

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082599.D
 Acq On : 31 Oct 2015 4:26
 Operator : UM/IZ
 Sample : PB86309BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Quant Time: Oct 31 05:39:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	180480	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	692647	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	370450	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	694546	20.00	ng	0.00
75) Chrysene-d12	14.08	240	547395	20.00	ng	0.00
86) Perylene-d12	15.52	264	389453	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1304339	108.85	ng	0.01
7) Phenol-d6	6.53	99	1744998	109.61	ng	0.00
23) Nitrobenzene-d5	7.47	82	1392091	82.07	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	431134	106.34	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2083045	79.84	ng	0.00
78) Terphenyl-d14	13.03	244	1965237	78.57	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	178831	32.28	ng	93
3) Pyridine	3.34	79	488117	30.05	ng	95
4) n-Nitrosodimethylamine	3.29	42	310629	33.98	ng	97
6) Aniline	6.57	93	458048	20.67	ng	96
8) 2-Chlorophenol	6.69	128	474487	36.60	ng	99
9) Benzaldehyde	6.44	77	210278	19.35	ng	95
10) Phenol	6.54	94	570983	31.65	ng	95
11) bis(2-Chloroethyl)ether	6.64	93	442543	33.26	ng	99
12) 1,3-Dichlorobenzene	6.84	146	498372	33.71	ng	98
13) 1,4-Dichlorobenzene	6.92	146	549358	37.47	ng	97
14) 1,2-Dichlorobenzene	7.08	146	482870	35.48	ng	96
15) Benzyl Alcohol	7.05	79	579078	39.01	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.18	45	762470	36.05	ng	97
17) 2-Methylphenol	7.16	107	444254	40.30	ng	99
18) Hexachloroethane	7.42	117	211347	36.93	ng	92
19) n-Nitroso-di-n-propylamine	7.32	70	400946	33.23	ng	96
20) 3+4-Methylphenols	7.31	107	490844	34.26	ng	93
22) Acetophenone	7.31	105	721174	35.37	ng	# 77
24) Nitrobenzene	7.48	77	571186	33.31	ng	# 85
25) Isophorone	7.73	82	1110860	35.60	ng	98
26) 2-Nitrophenol	7.80	139	222190	35.48	ng	95
27) 2,4-Dimethylphenol	7.85	122	485139	39.68	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	571785	33.50	ng	98
29) 2,4-Dichlorophenol	8.05	162	410278	36.82	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	425764	34.43	ng	96
31) Naphthalene	8.21	128	1276300	34.05	ng	100
32) Benzoic acid	7.96	122	316762	35.71	ng	98
33) 4-Chloroaniline	8.26	127	155852	9.74	ng	# 88
34) Hexachlorobutadiene	8.34	225	281694	35.81	ng	99
35) Caprolactam	8.62	113	128801	37.67	ng	94
36) 4-Chloro-3-methylphenol	8.74	107	500802	38.16	ng	99
37) 2-Methylnaphthalene	8.91	142	962953	39.64	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.08	216	436559	35.32	ng	97
40) Hexachlorocyclopentadiene	9.07	237	617815	79.50	ng	98

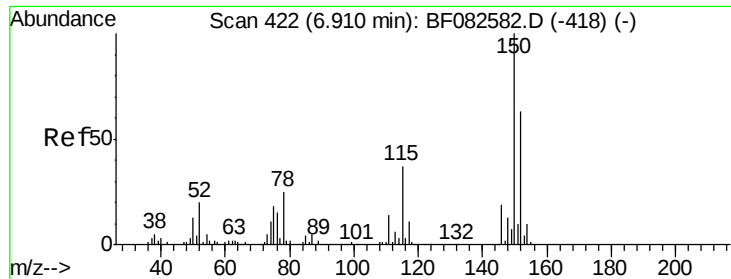
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	327793	36.72	ng	100
43) 2,4,5-Trichlorophenol	9.22	196	303300	34.10	ng	96
45) 1,1'-Biphenyl	9.38	154	1067746	34.12	ng	96
46) 2-Chloronaphthalene	9.40	162	880735	36.05	ng	96
47) 2-Nitroaniline	9.48	65	308440	32.47	ng	97
48) Acenaphthylene	9.81	152	1441456	36.88	ng	100
49) Dimethylphthalate	9.68	163	1120583	37.04	ng	99
50) 2,6-Dinitrotoluene	9.73	165	256907	40.97	ng	# 80
51) Acenaphthene	9.98	154	1009719	40.70	ng	99
52) 3-Nitroaniline	9.89	138	127449	18.27	ng	82
53) 2,4-Dinitrophenol	10.00	184	234814	71.10	ng	# 52
54) Dibenzofuran	10.16	168	1193186	35.44	ng	99
55) 4-Nitrophenol	10.05	139	339717	64.72	ng	# 67
56) 2,4-Dinitrotoluene	10.13	165	338613	39.93	ng	96
57) Fluorene	10.50	166	1033194	38.05	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.27	232	273537	36.39	ng	99
59) Diethylphthalate	10.38	149	1131993	36.75	ng	97
60) 4-Chlorophenyl-phenylether	10.49	204	465529	35.27	ng	# 72
61) 4-Nitroaniline	10.51	138	222700	33.45	ng	97
62) Azobenzene	10.65	77	1309592	37.70	ng	84
64) 4,6-Dinitro-2-methylphenol	10.54	198	173043	41.31	ng	83
65) n-Nitrosodiphenylamine	10.61	169	926385	38.80	ng	99
66) 4-Bromophenyl-phenylether	10.98	248	278520	35.39	ng	# 64
67) Hexachlorobenzene	11.05	284	307346	35.22	ng	90
68) Atrazine	11.14	200	306989	39.30	ng	98
69) Pentachlorophenol	11.24	266	465482	80.89	ng	99
70) Phenanthrene	11.46	178	1448602	36.98	ng	99
71) Anthracene	11.52	178	1541307	39.08	ng	98
72) Carbazole	11.66	167	1418965	41.30	ng	99
73) Di-n-butylphthalate	12.01	149	1778073	40.66	ng	97
74) Fluoranthene	12.65	202	1560582	38.97	ng	98
76) Benzidine	12.76	184	415968	16.85	ng	100
77) Pyrene	12.88	202	1588136	39.18	ng	99
79) Butylbenzylphthalate	13.51	149	725098	40.84	ng	87
80) Benzo(a)anthracene	14.07	228	1249464	35.93	ng	99
81) 3,3'-Dichlorobenzidine	14.03	252	189994	15.86	ng	# 93
82) Chrysene	14.10	228	986952	31.32	ng	100
83) Bis(2-ethylhexyl)phthalate	14.07	149	859146	37.33	ng	# 95
84) Di-n-octyl phthalate	14.68	149	1350594	37.62	ng	100
85) Indeno(1,2,3-cd)pyrene	16.96	276	983303	37.81	ng	99
87) Benzo(b)fluoranthene	15.11	252	933676	34.77	ng	100
88) Benzo(k)fluoranthene	15.11	252	933676	45.64	ng	# 99
89) Benzo(a)pyrene	15.46	252	850077	40.19	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	831516	42.14	ng	99
91) Benzo(g,h,i)perylene	17.38	276	822782	43.02	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

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ClientSampleId :

PB86309BS

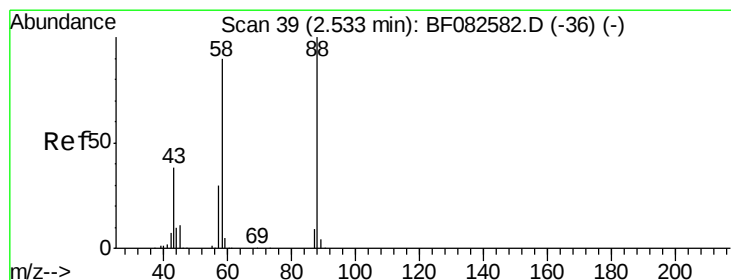
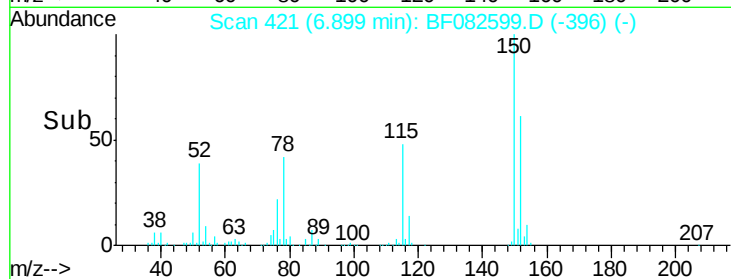
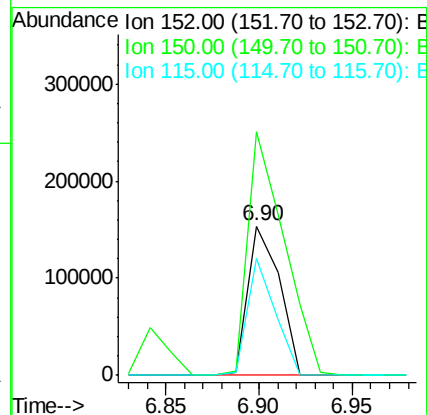
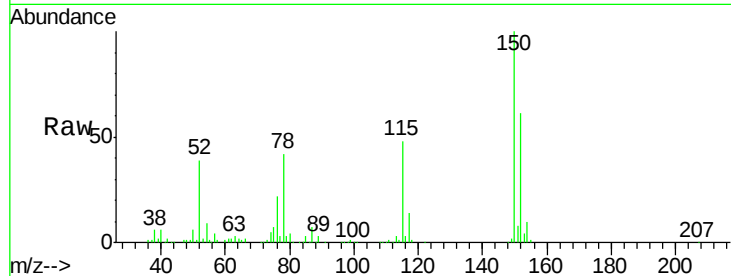
Tgt Ion:152 Resp: 180480

Ion Ratio Lower Upper

152 100

150 163.1 127.0 190.4

115 78.2 47.0 70.6#



#2

1,4-Dioxane

Concen: 32.28 ng

RT: 2.61 min Scan# 46

Delta R.T. 0.08 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

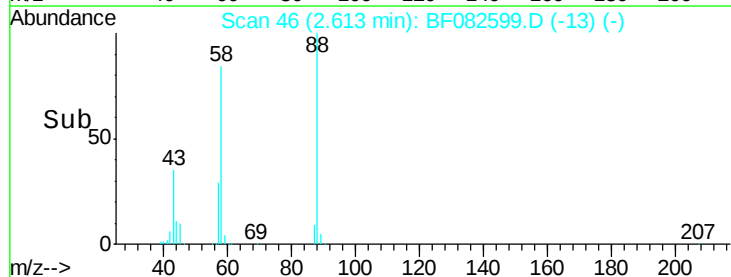
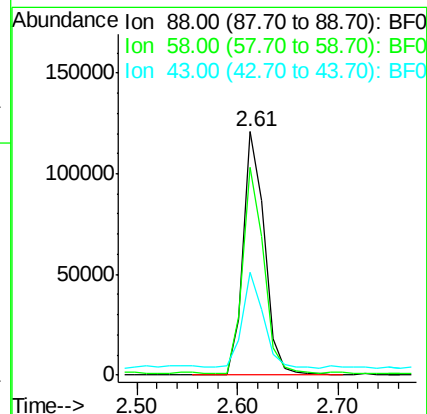
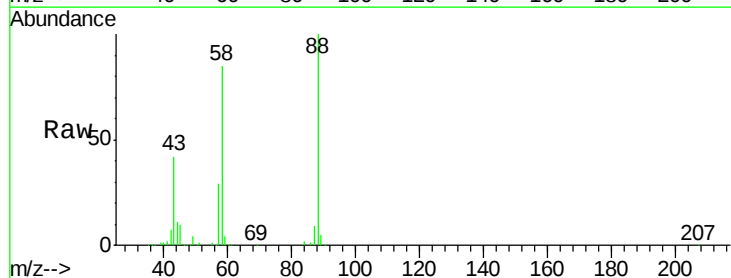
Tgt Ion: 88 Resp: 178831

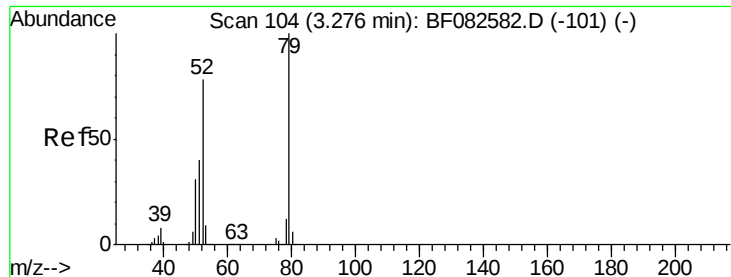
Ion Ratio Lower Upper

88 100

58 82.9 62.0 93.0

43 38.7 26.6 40.0





#3

Pyridine

Concen: 30.05 ng

RT: 3.34 min Scan# 110

Delta R.T. 0.07 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

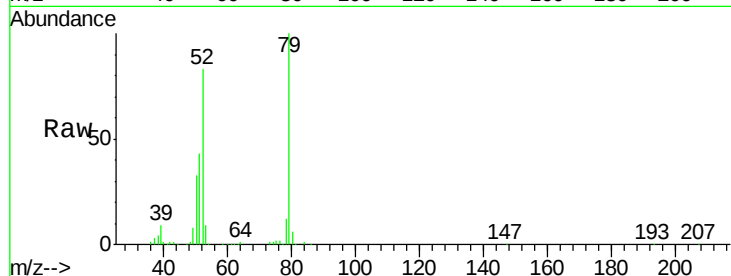
Tgt Ion: 79 Resp: 488117

Ion Ratio Lower Upper

79 100

52 83.0 62.8 94.2

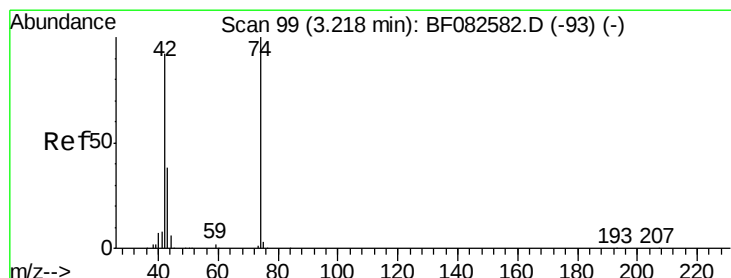
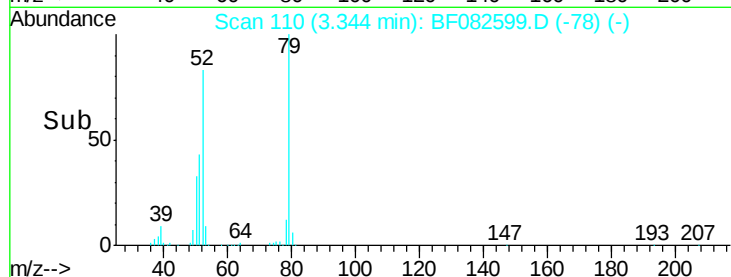
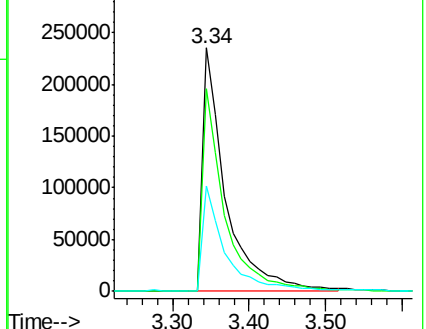
51 43.4 32.0 48.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 33.98 ng

RT: 3.29 min Scan# 105

Delta R.T. 0.07 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

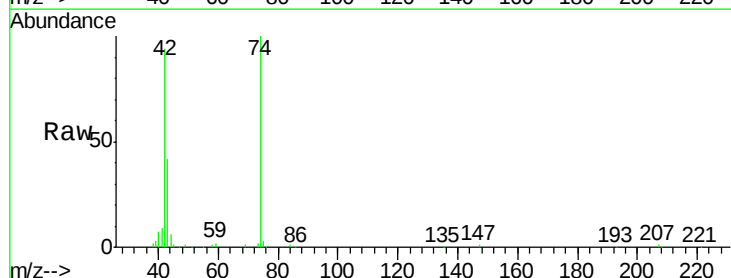
Tgt Ion: 42 Resp: 310629

Ion Ratio Lower Upper

42 100

74 105.8 87.0 130.4

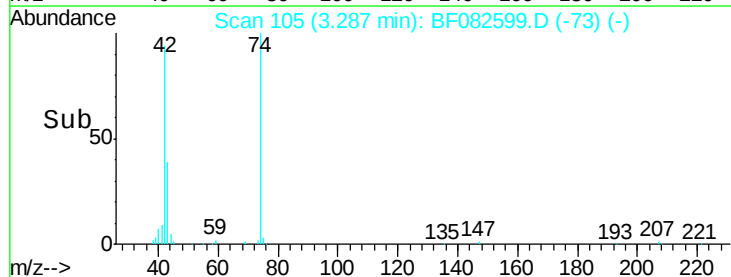
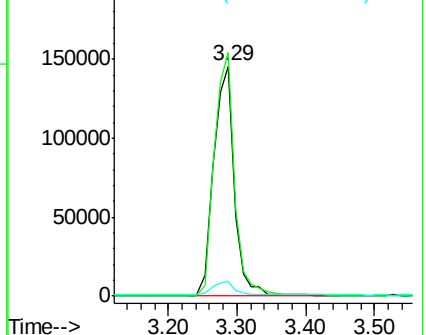
44 6.0 5.8 8.8

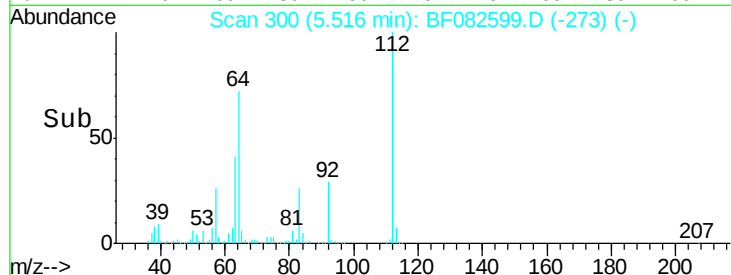
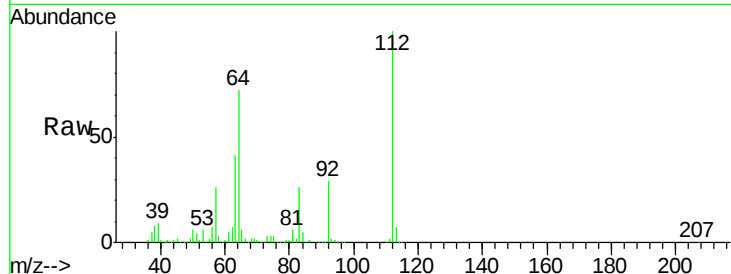
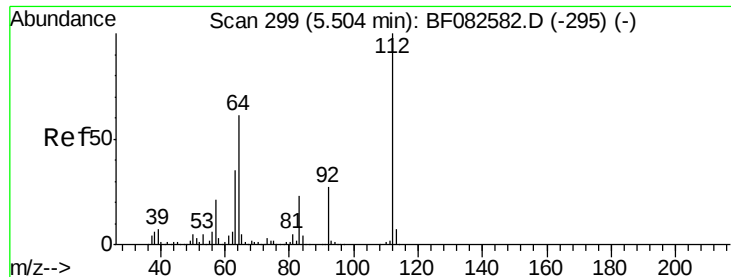


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 108.85 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

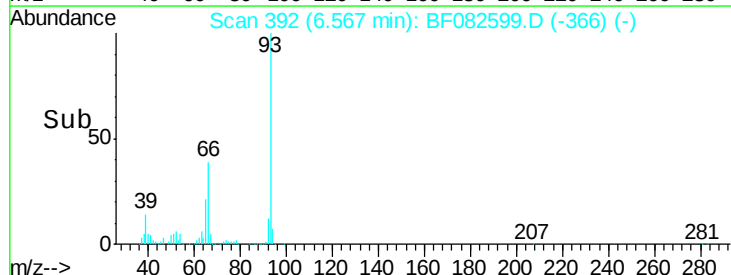
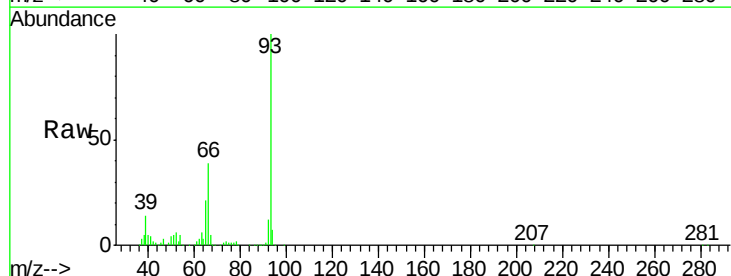
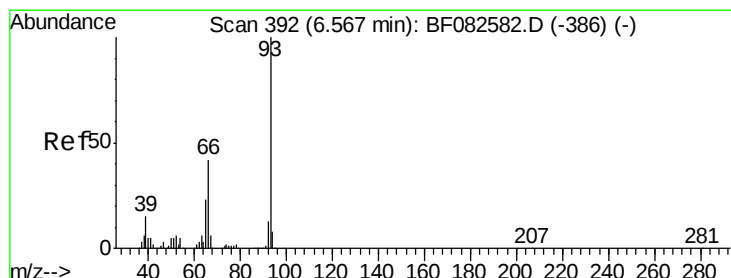
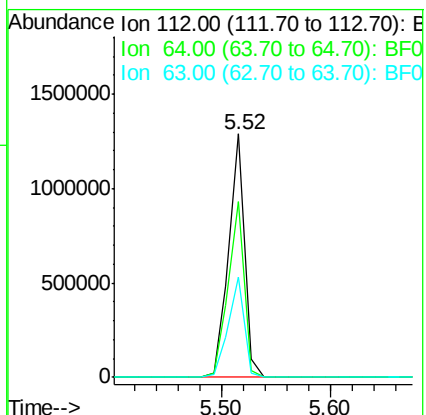
Tgt Ion:112 Resp: 1304339

Ion Ratio Lower Upper

112 100

64 72.4 48.9 73.3

63 41.1 28.1 42.1



#6

Aniline

Concen: 20.67 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

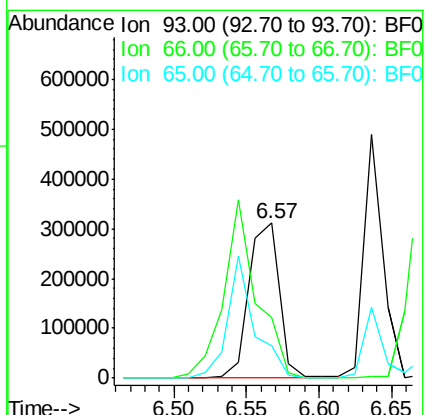
Tgt Ion: 93 Resp: 458048

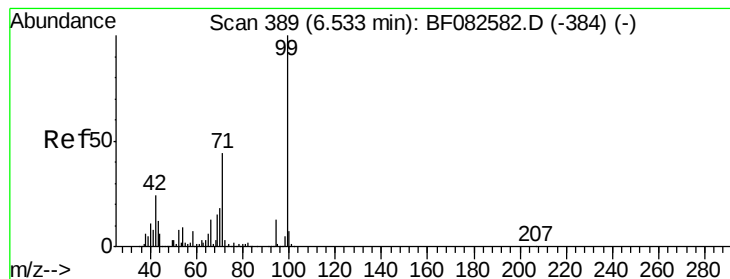
Ion Ratio Lower Upper

93 100

66 39.0 33.6 50.4

65 20.9 18.1 27.1





#7

Phenol-d6

Concen: 109.61 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

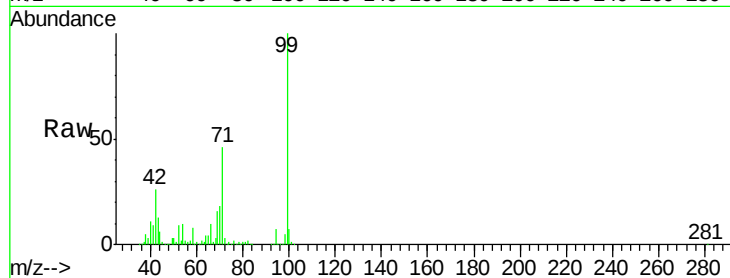
Tgt Ion: 99 Resp: 1744998

Ion Ratio Lower Upper

99 100

42 25.8 19.2 28.8

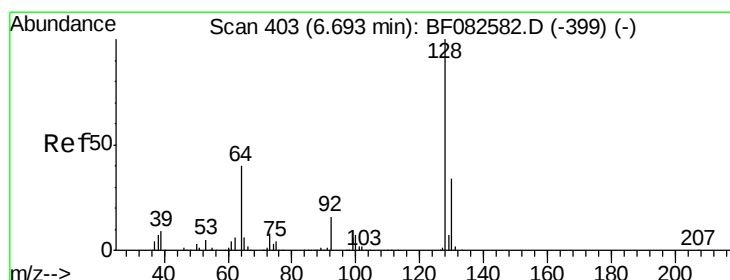
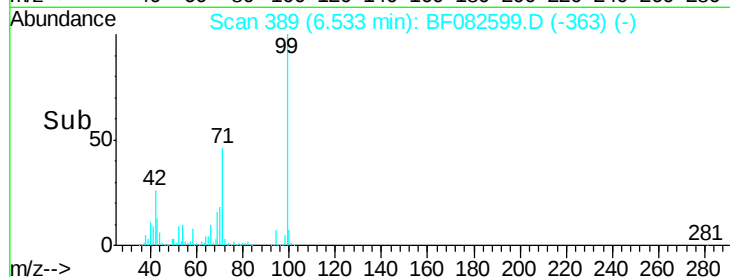
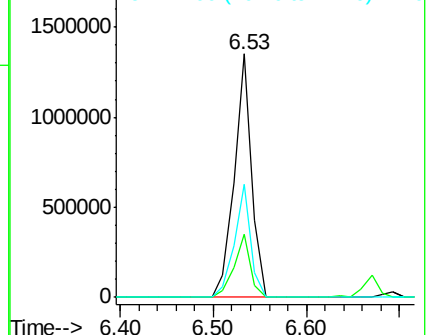
71 46.5 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 36.60 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

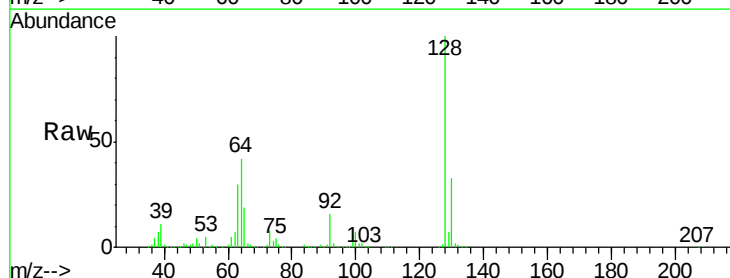
Tgt Ion: 128 Resp: 474487

Ion Ratio Lower Upper

128 100

130 33.3 13.5 53.5

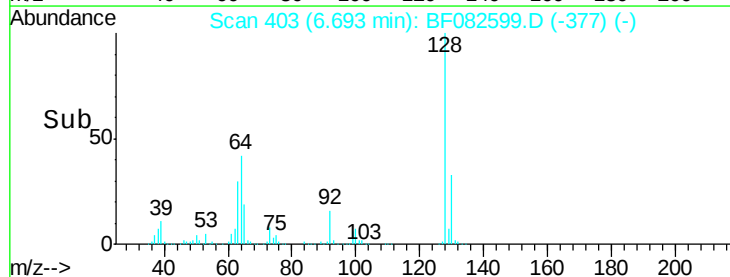
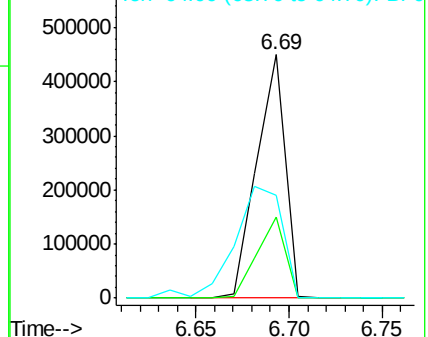
64 42.3 21.1 61.1

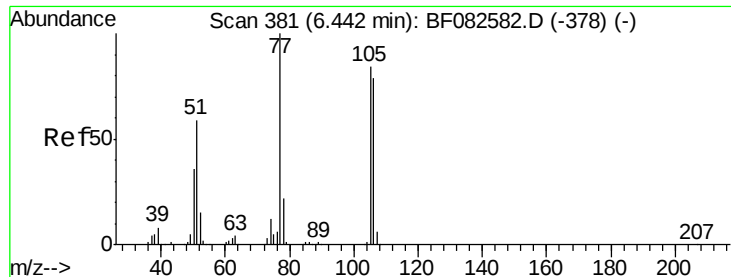


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 19.35 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

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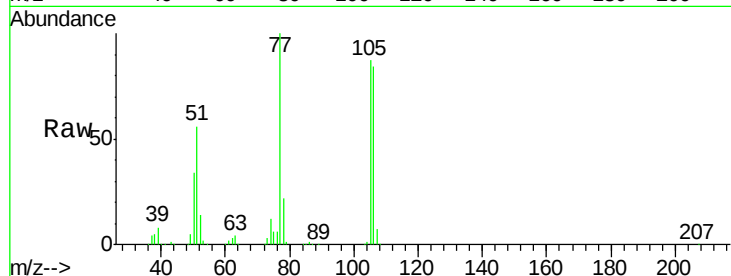
Tgt Ion: 77 Resp: 210278

Ion Ratio Lower Upper

77 100

105 87.3 63.5 103.5

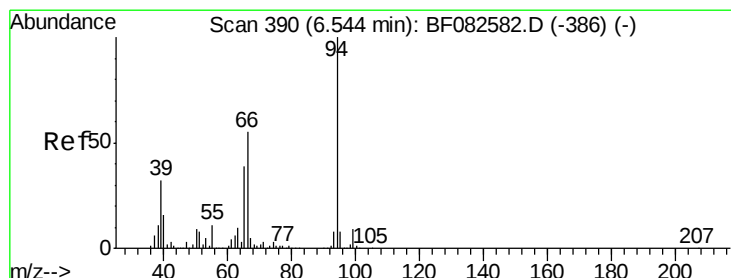
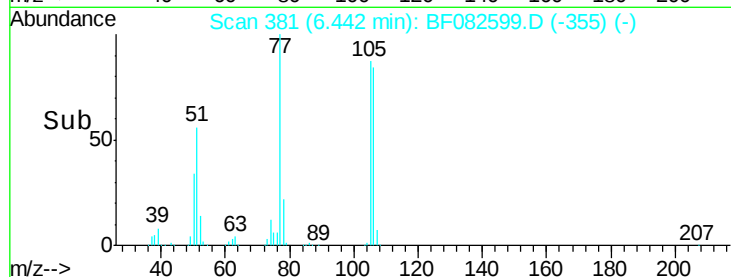
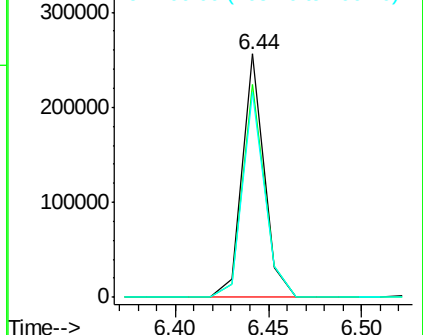
106 84.5 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 31.65 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

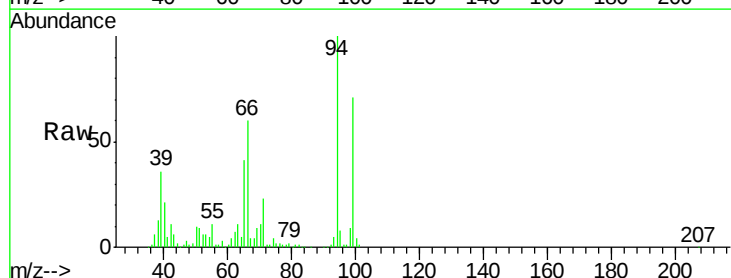
Tgt Ion: 94 Resp: 570983

Ion Ratio Lower Upper

94 100

65 40.9 18.9 58.9

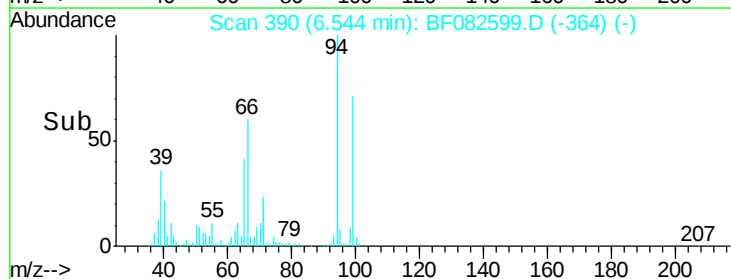
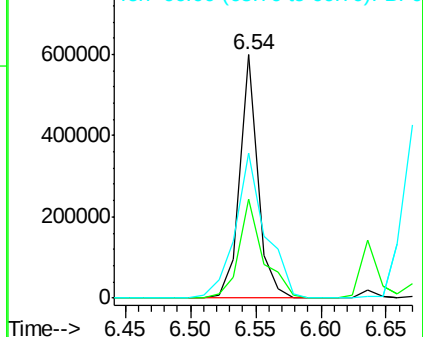
66 59.6 34.9 74.9

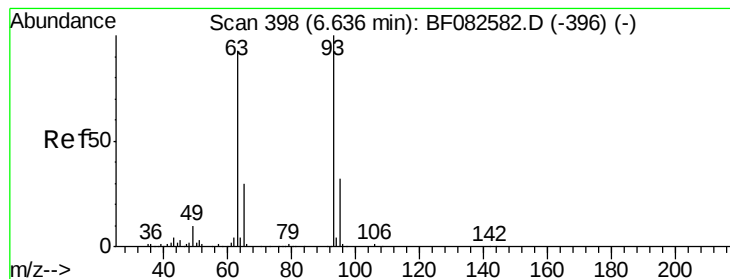


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 33.26 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

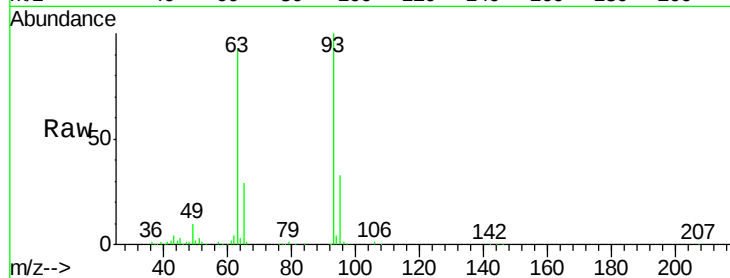
Tgt Ion: 93 Resp: 442543

Ion Ratio Lower Upper

93 100

63 92.2 72.7 112.7

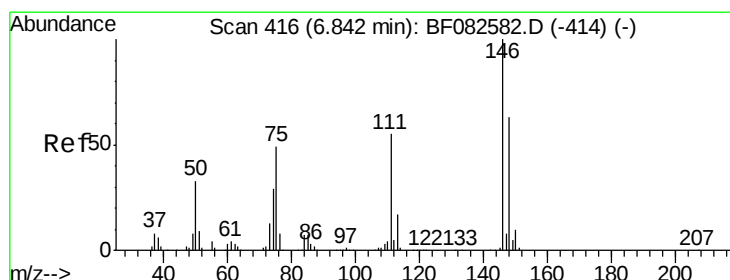
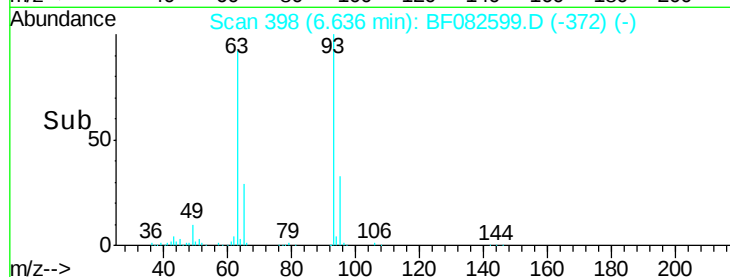
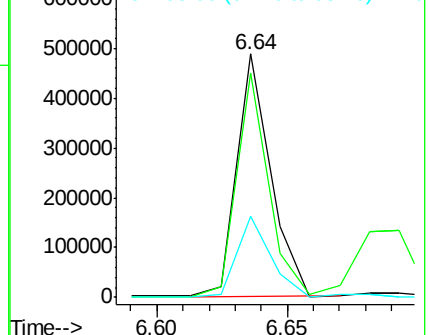
95 33.3 12.0 52.0



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 33.71 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

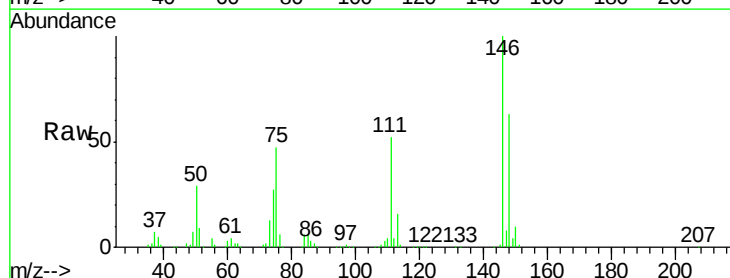
Tgt Ion: 146 Resp: 498372

Ion Ratio Lower Upper

146 100

148 62.8 50.5 75.7

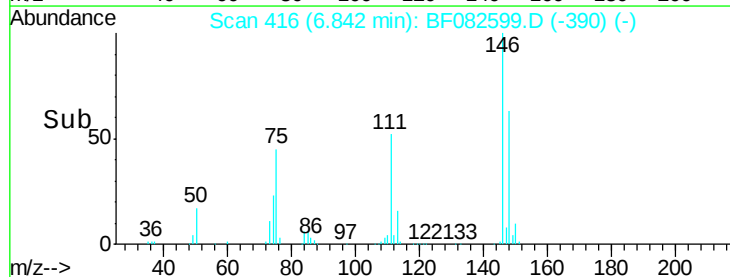
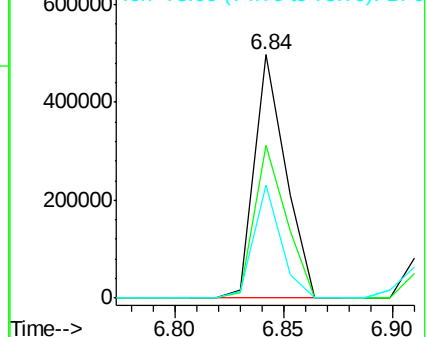
75 46.7 39.5 59.3

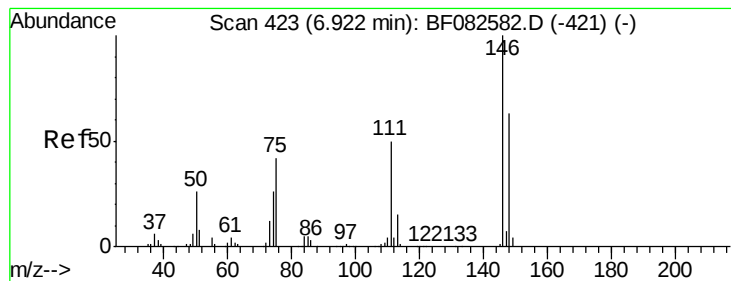


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 37.47 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

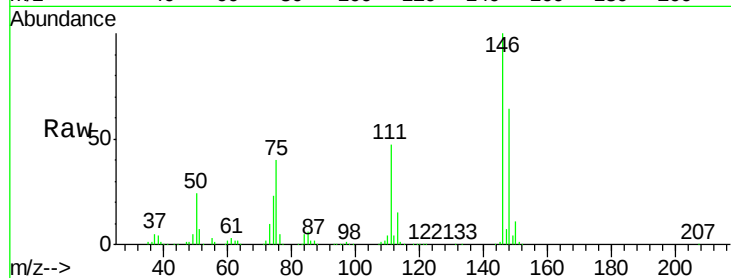
Tgt Ion:146 Resp: 549358

Ion Ratio Lower Upper

146 100

148 64.3 50.8 76.2

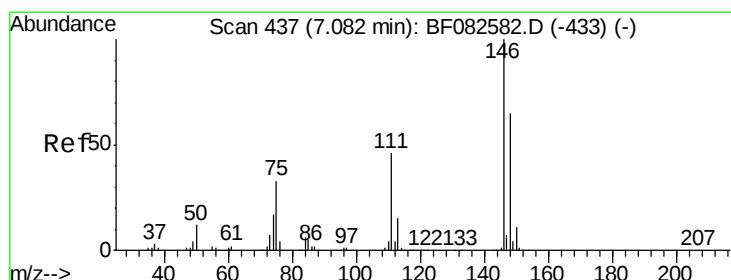
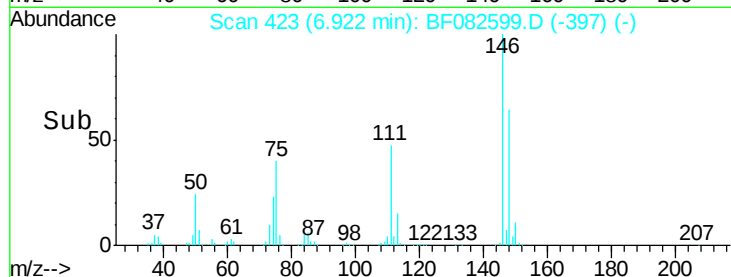
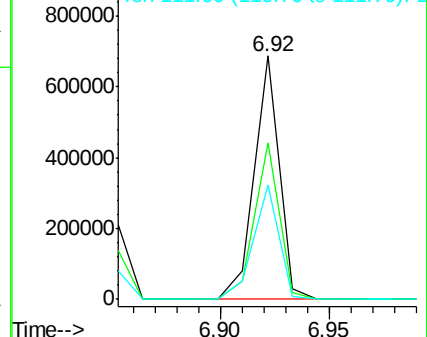
111 46.9 40.6 60.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 35.48 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

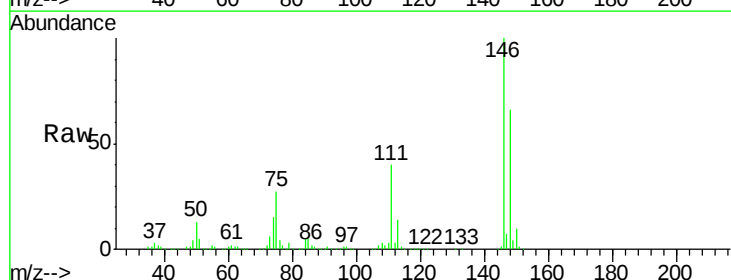
Tgt Ion:146 Resp: 482870

Ion Ratio Lower Upper

146 100

148 66.4 52.2 78.4

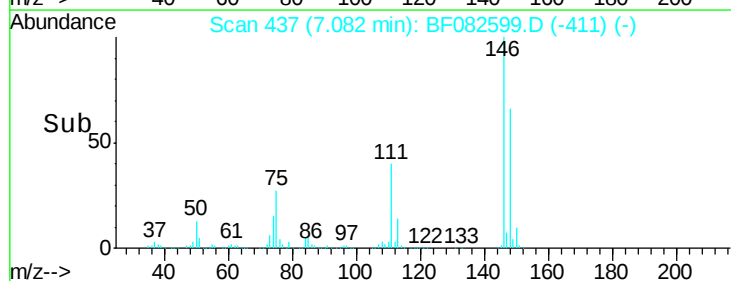
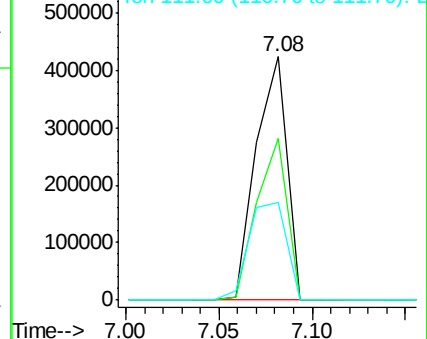
111 40.1 36.6 55.0

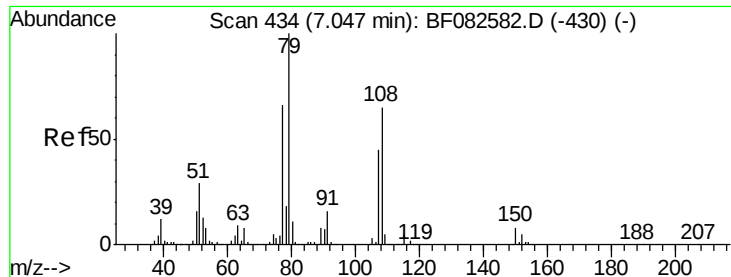


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.01 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

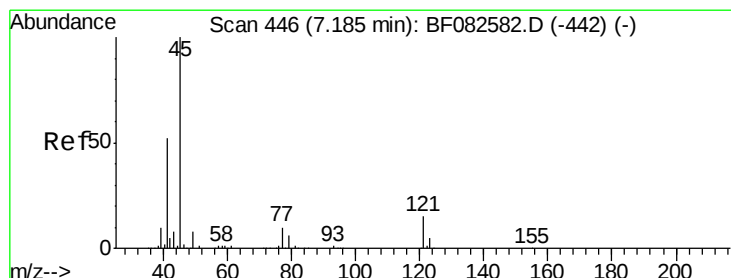
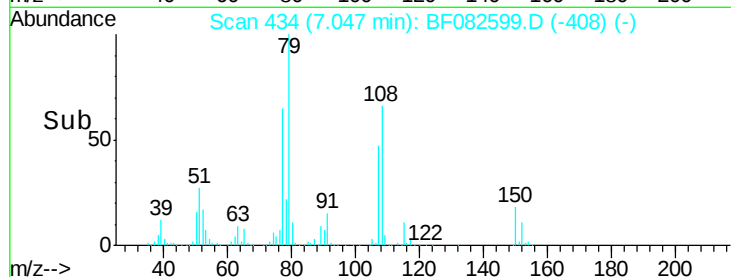
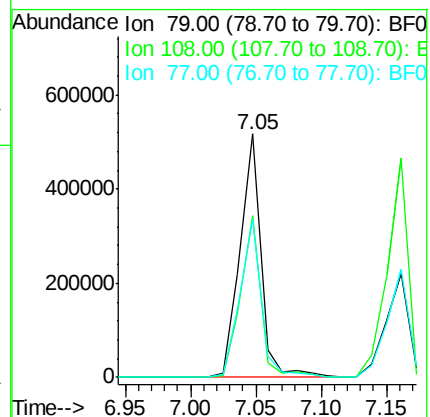
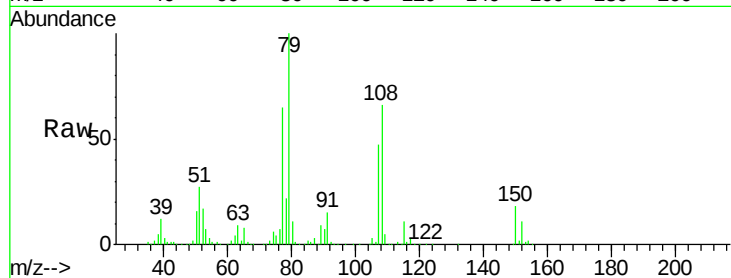
Tgt Ion: 79 Resp: 579078

Ion Ratio Lower Upper

79 100

108 66.2 52.2 78.4

77 64.9 52.7 79.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.05 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

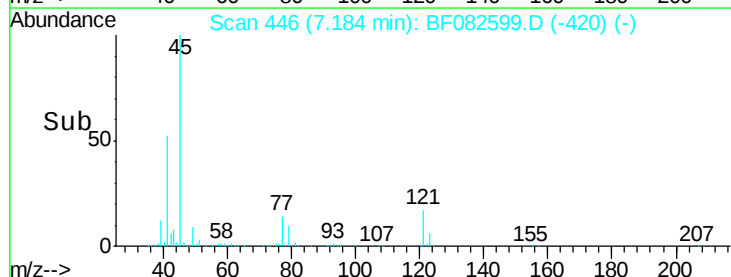
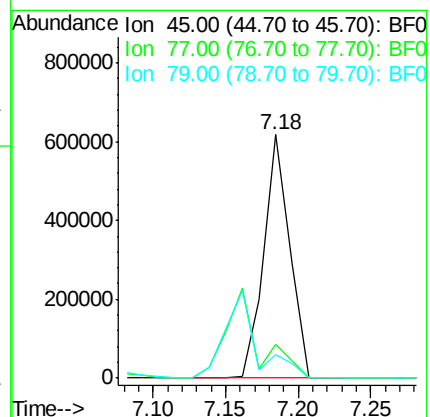
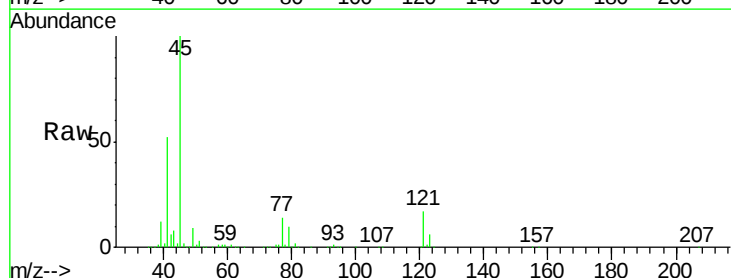
Tgt Ion: 45 Resp: 762470

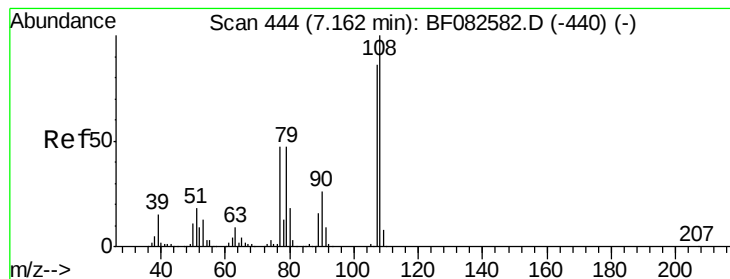
Ion Ratio Lower Upper

45 100

77 13.9 0.0 32.6

79 9.8 0.0 29.2





#17

2-Methylphenol

Concen: 40.30 ng

RT: 7.16 min Scan# 444

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

Tgt Ion:107 Resp: 444254

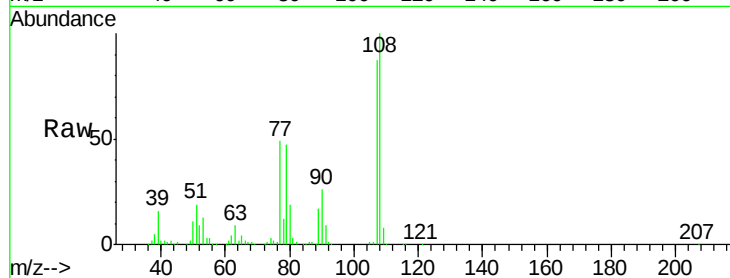
Ion Ratio Lower Upper

107 100

108 114.4 93.0 139.4

77 56.0 44.1 66.1

79 54.1 43.6 65.4

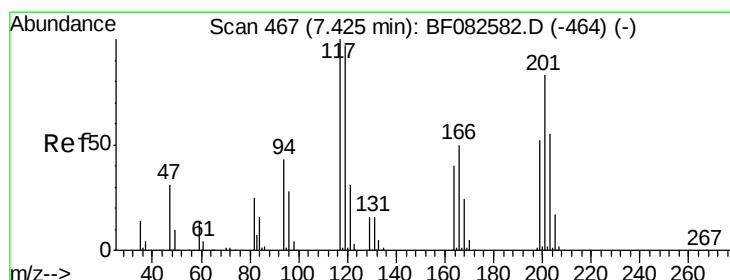
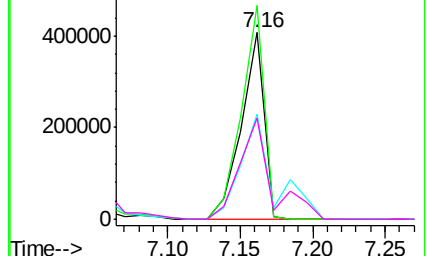
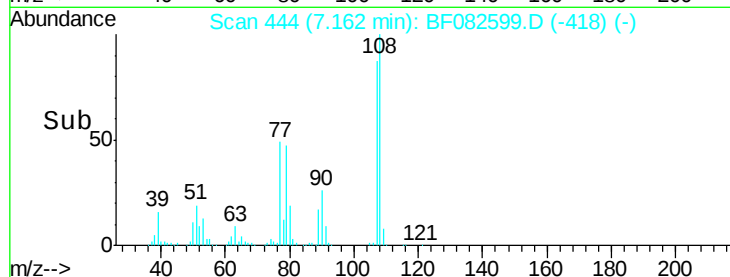


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.93 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

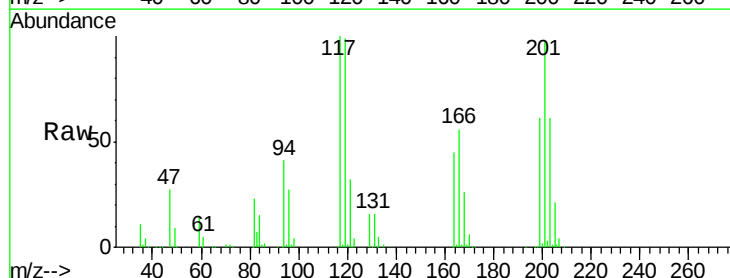
Tgt Ion:117 Resp: 211347

Ion Ratio Lower Upper

117 100

119 98.7 77.7 116.5

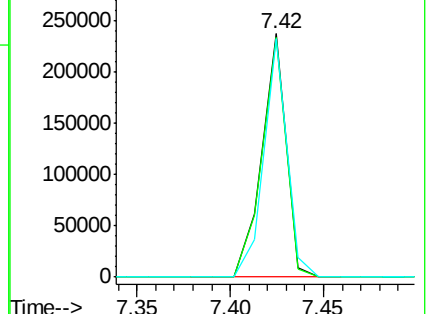
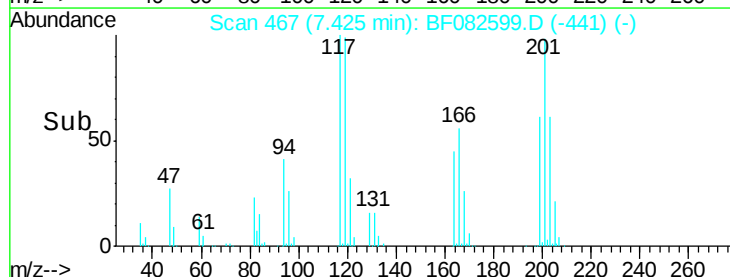
201 98.0 66.7 100.1

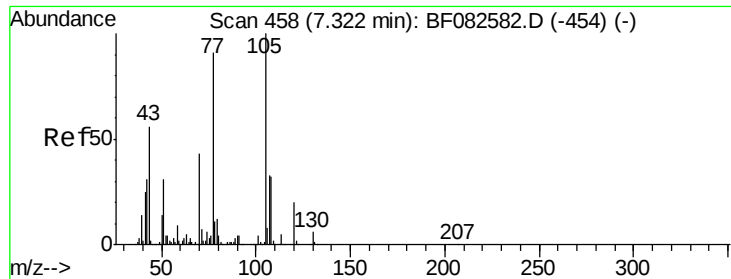


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

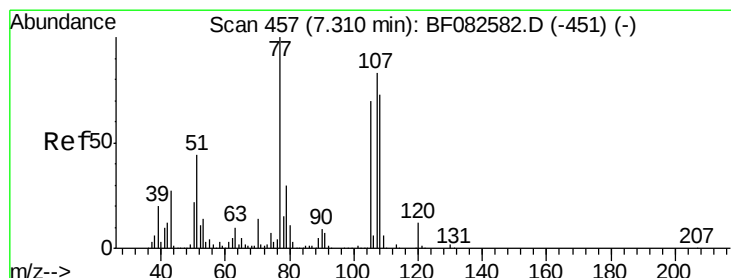
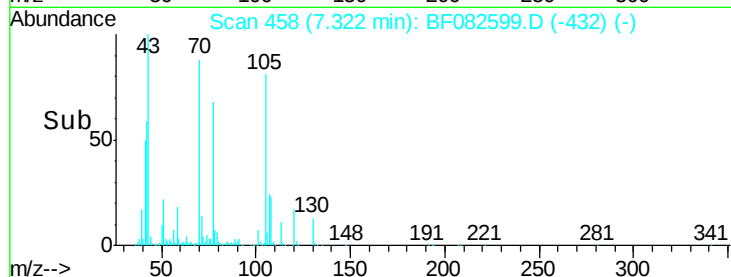
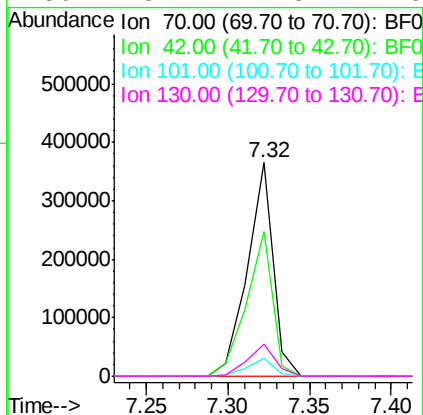
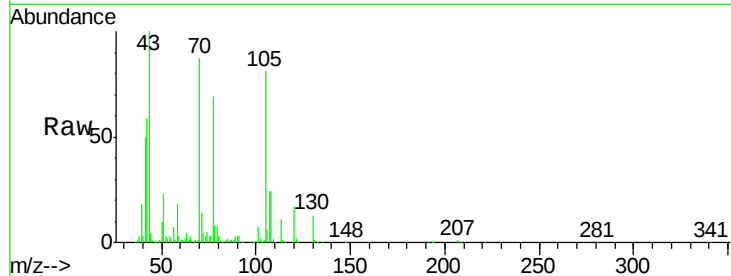




#19
 n-Nitroso-di-n-propylamine
 Concen: 33.23 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

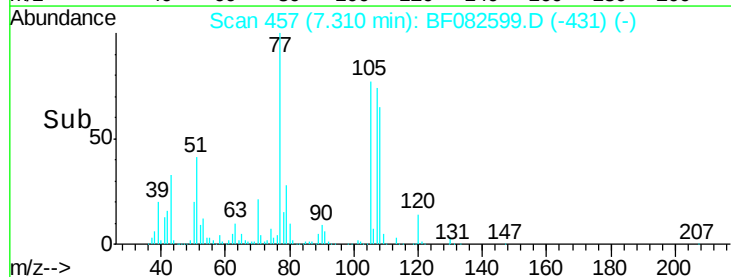
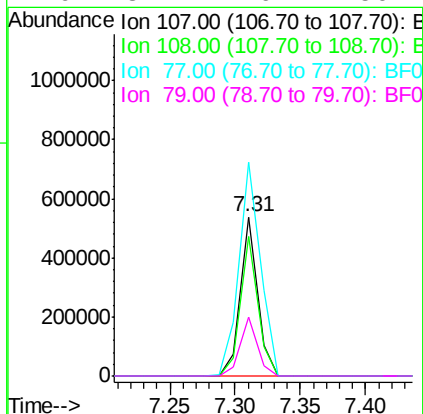
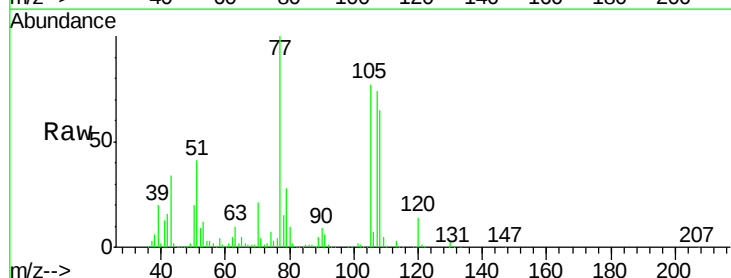
Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

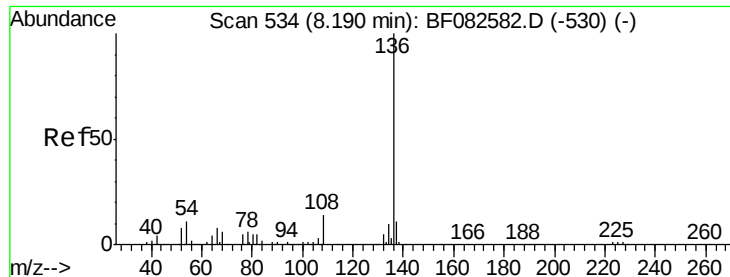
Tgt Ion:	70	Resp:	400946
Ion	Ratio	Lower	Upper
70	100		
42	67.7	57.7	86.5
101	8.3	7.0	10.6
130	15.1	11.8	17.6



#20
 3+4-Methylphenols
 Concen: 34.26 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:	107	Resp:	490844
Ion	Ratio	Lower	Upper
107	100		
108	87.4	67.3	107.3
77	134.3	100.3	140.3
79	37.4	16.2	56.2

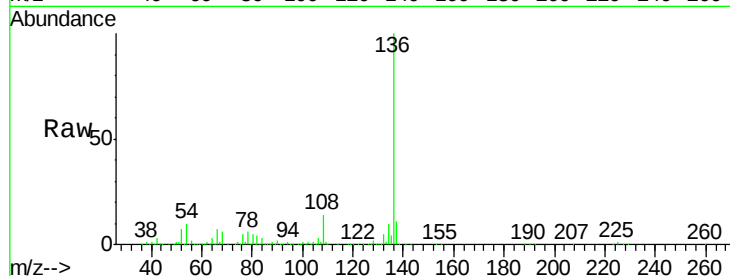




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Instrument :
BNA_F
ClientSampled :
PB86309BS

Tgt Ion:	136	Resp:	692647
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.4	9.1	13.7
68	5.6	4.8	7.2



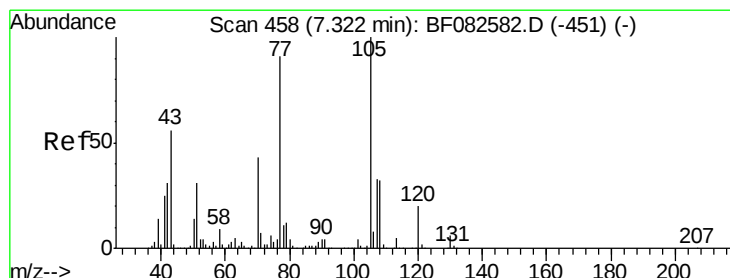
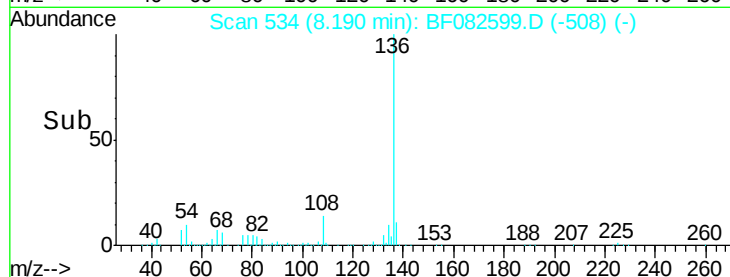
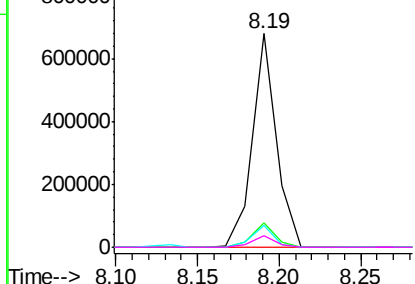
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

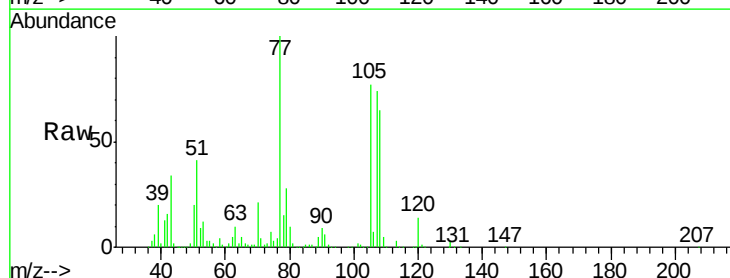
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 35.37 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion:	105	Resp:	721174
Ion	Ratio	Lower	Upper
105	100		
71	4.7	5.6	8.4#
51	53.2	24.9	37.3#
120	18.2	15.8	23.8



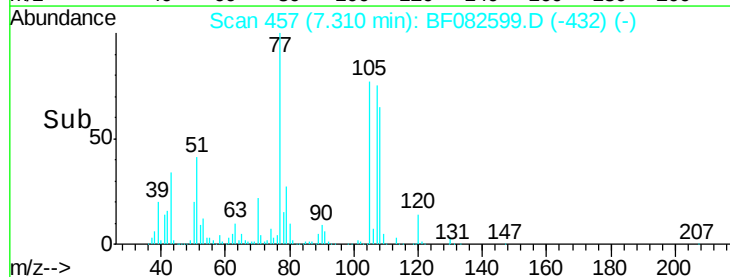
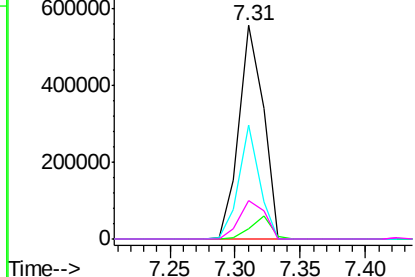
Abundance

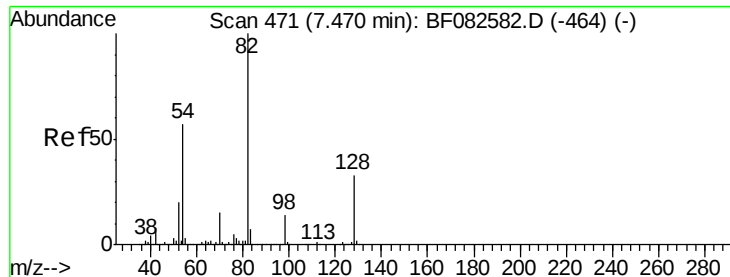
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 82.07 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

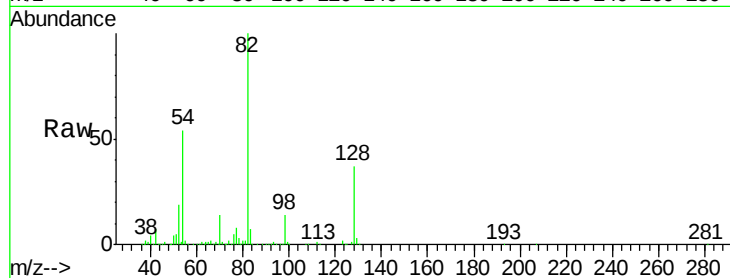
Tgt Ion: 82 Resp: 1392091

Ion Ratio Lower Upper

82 100

128 36.8 26.8 40.2

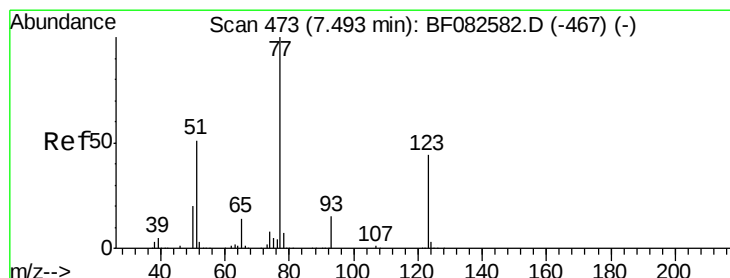
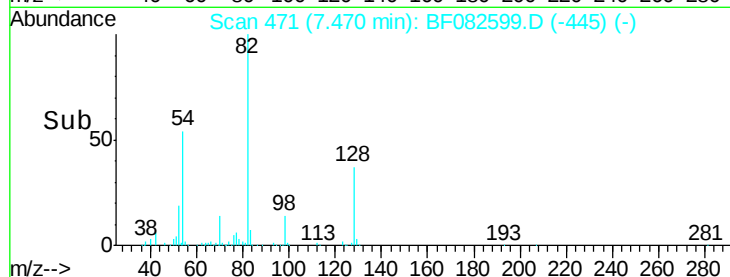
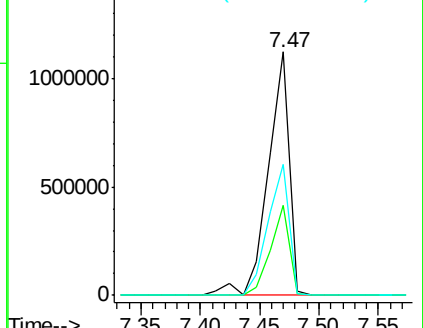
54 54.0 45.7 68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 33.31 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.01 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

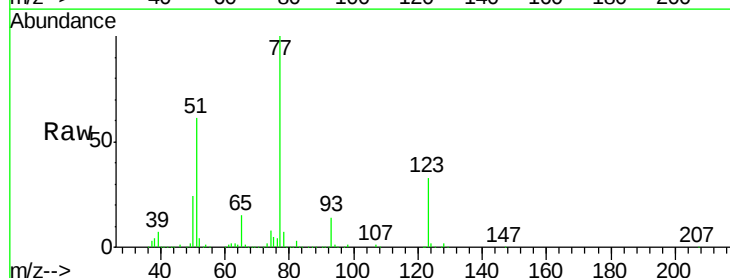
Tgt Ion: 77 Resp: 571186

Ion Ratio Lower Upper

77 100

123 32.8 36.4 54.6#

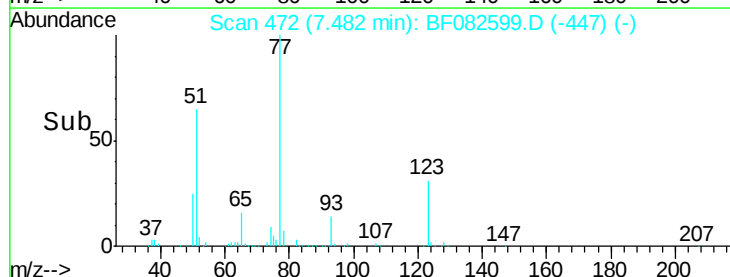
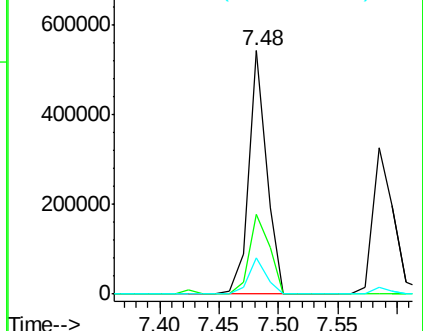
65 15.0 11.5 17.3

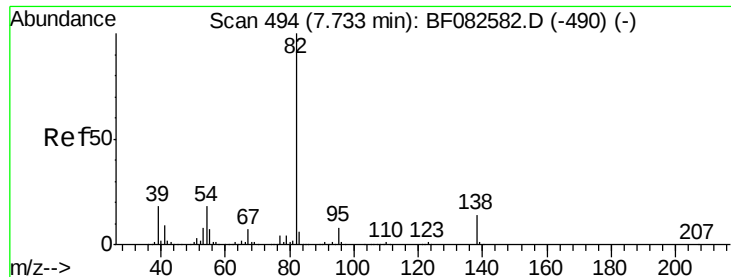


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

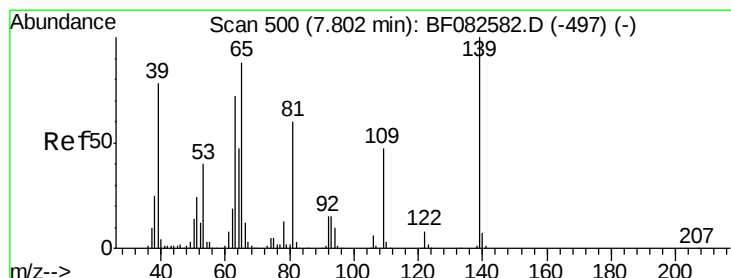
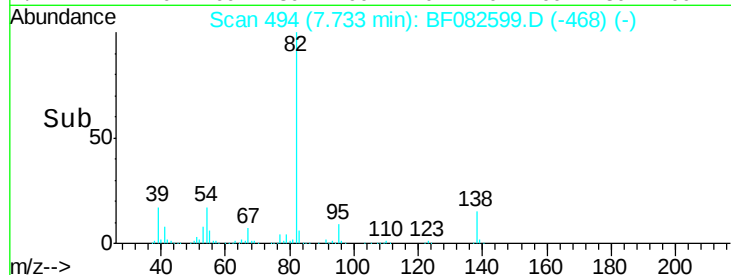
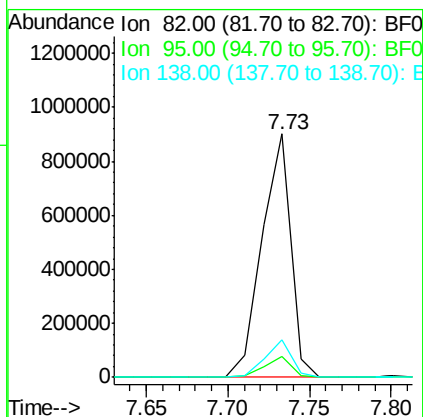
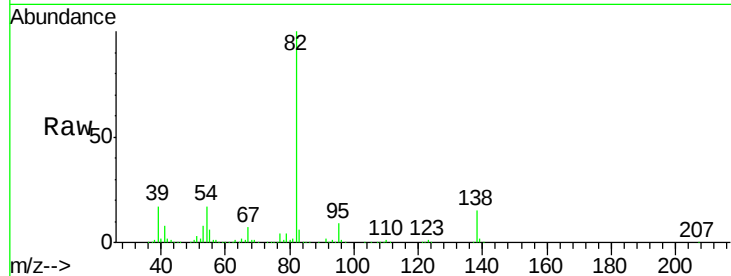




#25
Isophorone
Concen: 35.60 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

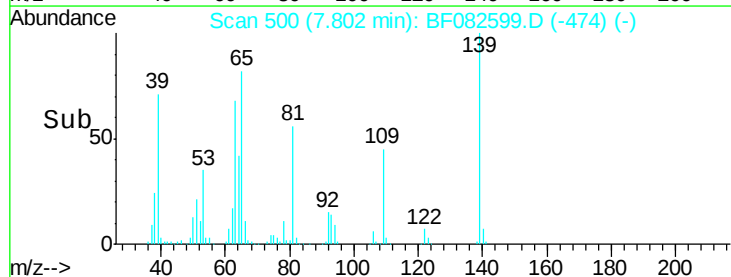
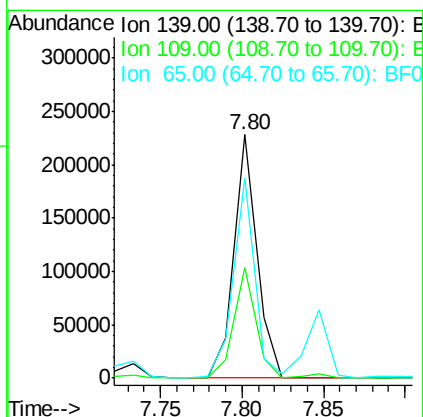
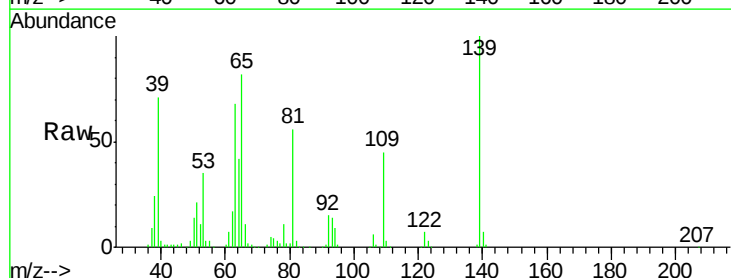
Instrument :
BNA_F
ClientSampleId :
PB86309BS

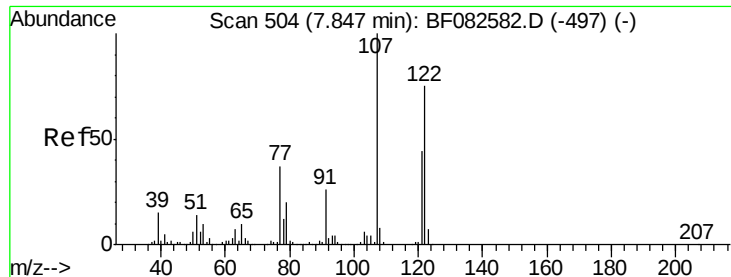
Tgt Ion: 82 Resp: 1110860
Ion Ratio Lower Upper
82 100
95 8.6 6.6 9.8
138 15.3 11.4 17.0



#26
2-Nitrophenol
Concen: 35.48 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion: 139 Resp: 222190
Ion Ratio Lower Upper
139 100
109 45.3 37.6 56.4
65 82.3 70.6 105.8

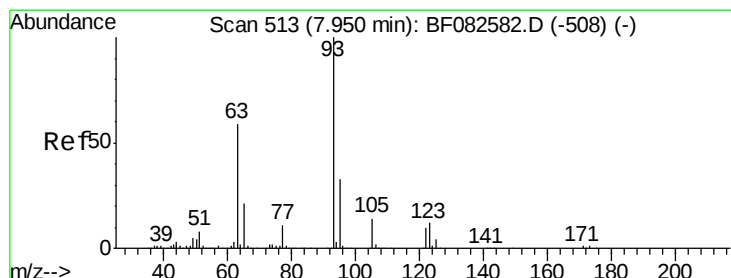
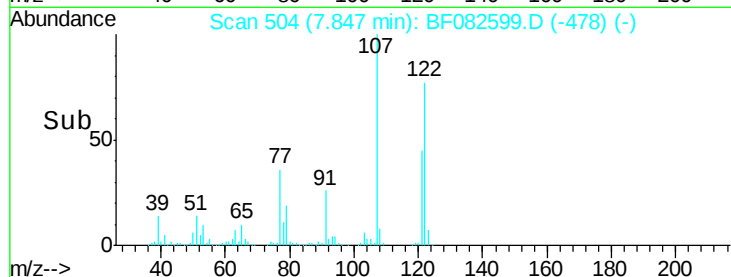
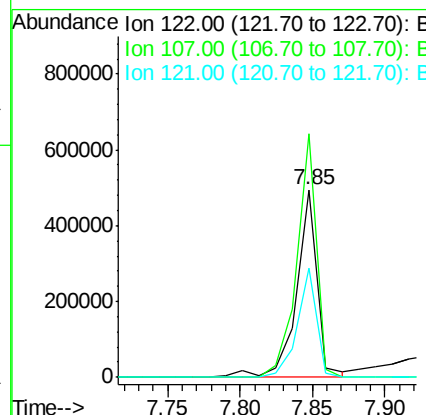
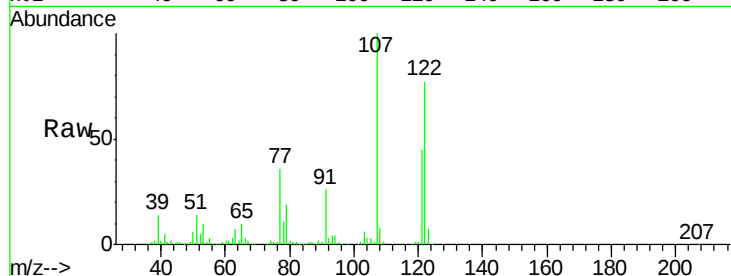




#27
 2,4-Dimethylphenol
 Concen: 39.68 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

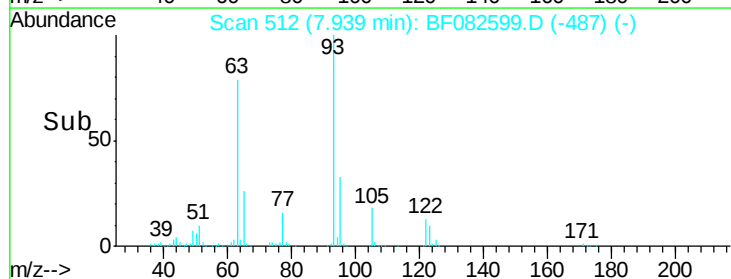
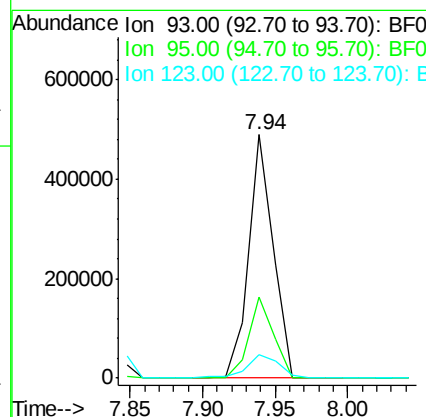
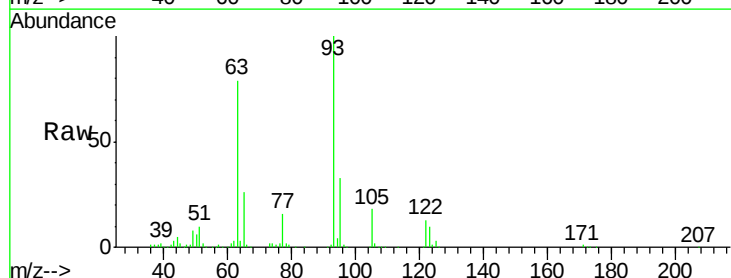
Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

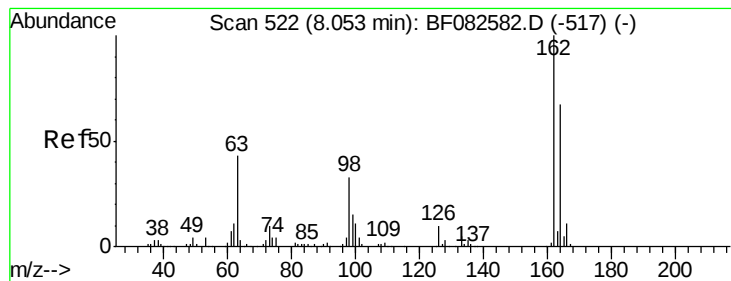
Tgt Ion:122 Resp: 485139
 Ion Ratio Lower Upper
 122 100
 107 129.8 106.0 159.0
 121 58.0 46.7 70.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 33.50 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion: 93 Resp: 571785
 Ion Ratio Lower Upper
 93 100
 95 33.2 26.6 40.0
 123 9.8 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 36.82 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

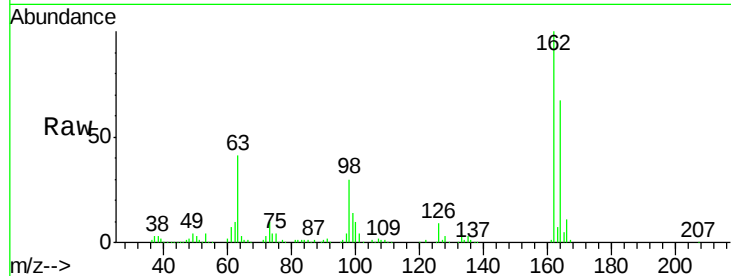
Tgt Ion:162 Resp: 410278

Ion Ratio Lower Upper

162 100

164 67.1 46.8 86.8

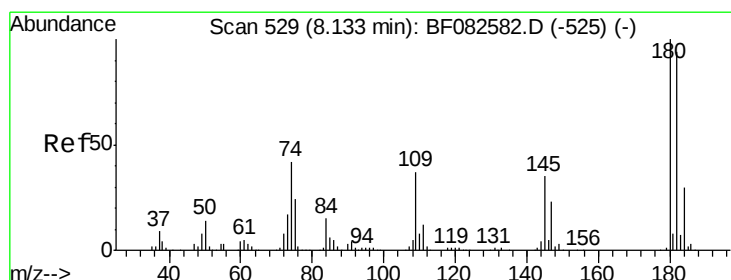
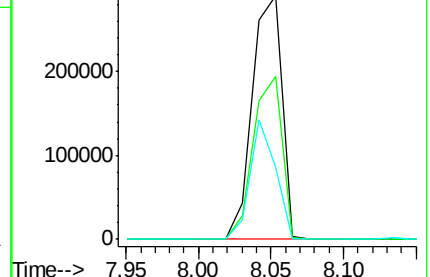
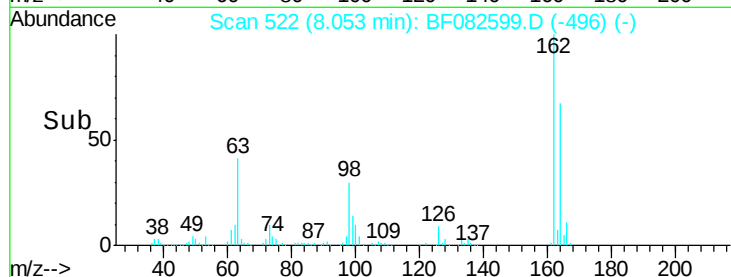
98 29.8 12.5 52.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 34.43 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

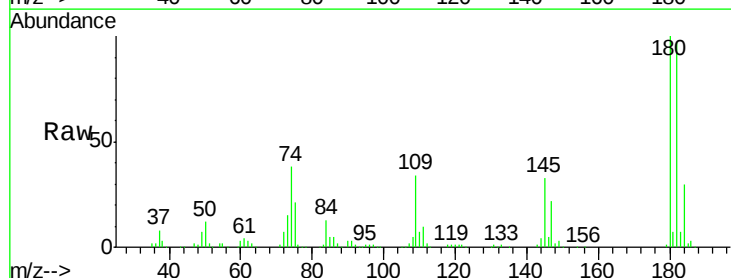
Tgt Ion:180 Resp: 425764

Ion Ratio Lower Upper

180 100

182 97.5 74.9 112.3

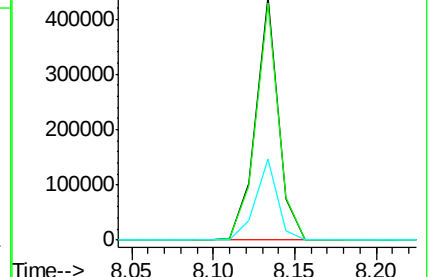
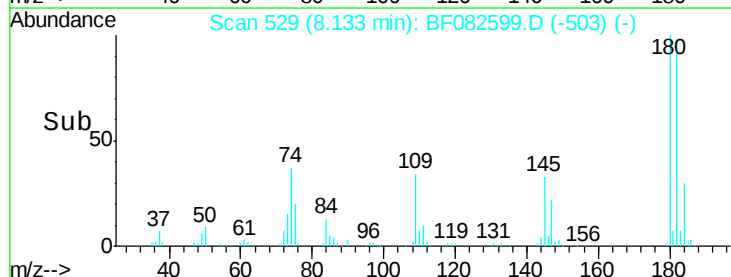
145 33.3 27.8 41.8

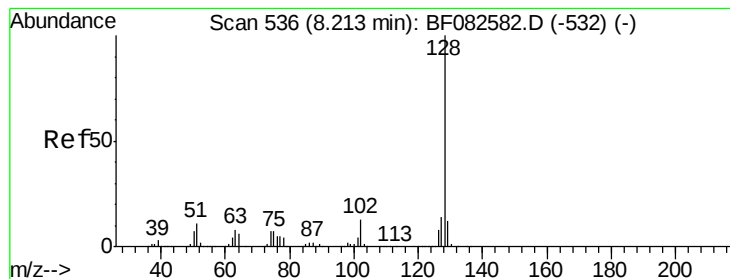


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 34.05 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

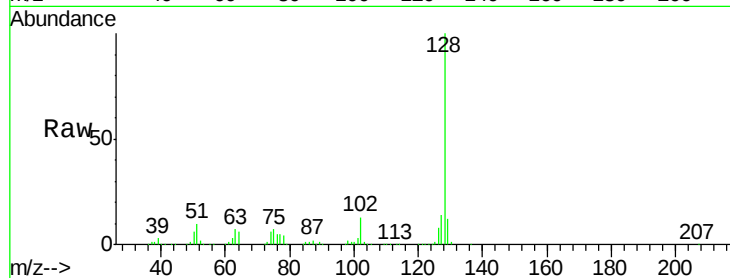
Tgt Ion:128 Resp: 1276300

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

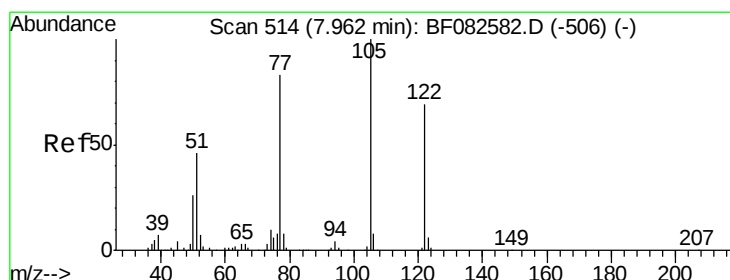
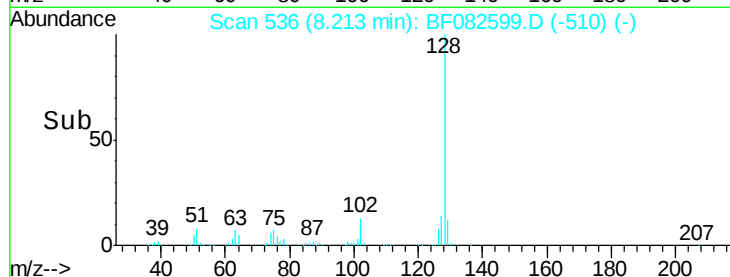
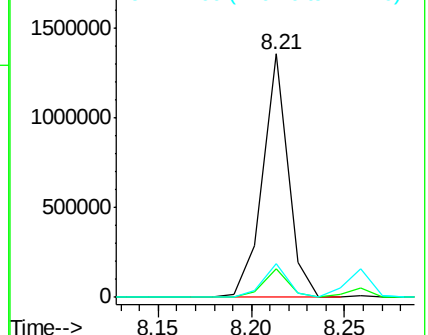
127 14.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.71 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

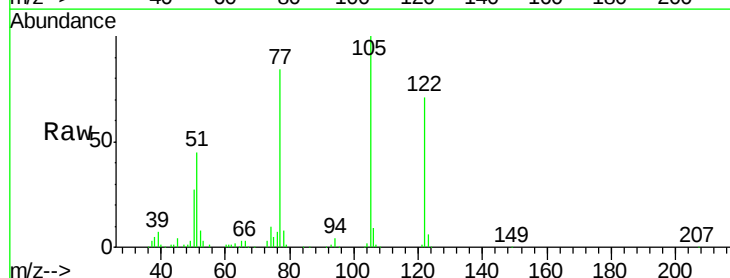
Tgt Ion:122 Resp: 316762

Ion Ratio Lower Upper

122 100

105 140.6 122.6 162.6

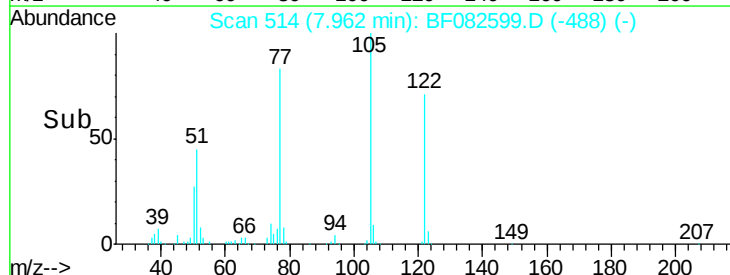
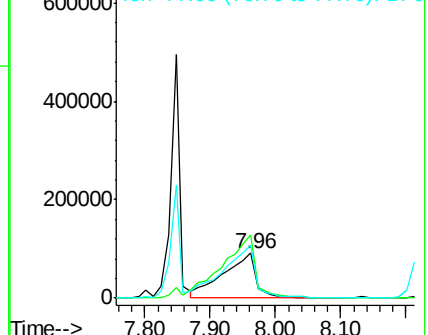
77 118.7 100.9 140.9

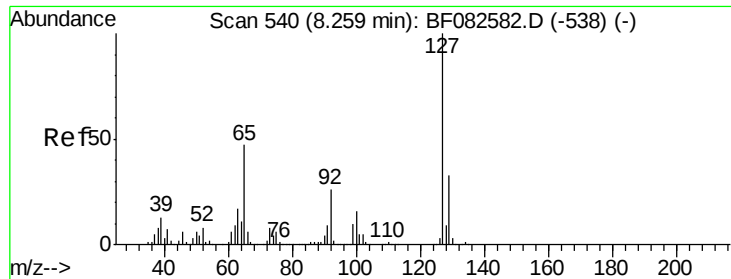


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

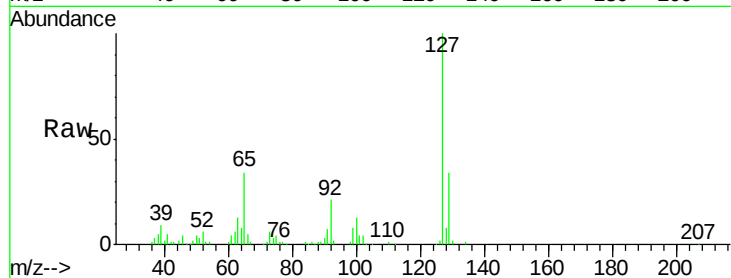




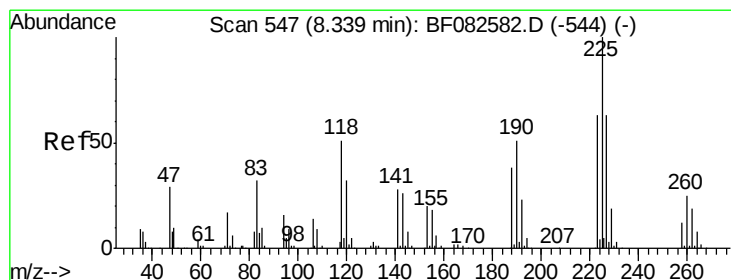
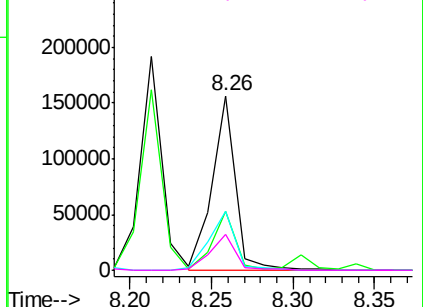
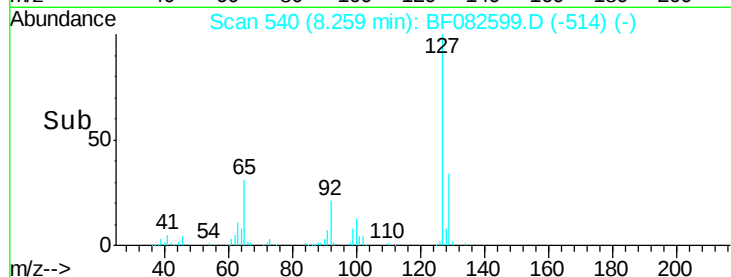
#33
4-Chloroaniline
Concen: 9.74 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
PB86309BS

Tgt Ion:	127	Resp:	155852
Ion	Ratio	Lower	Upper
127	100		
129	33.7	26.3	39.5
65	33.7	37.8	56.8#
92	20.6	20.6	31.0#

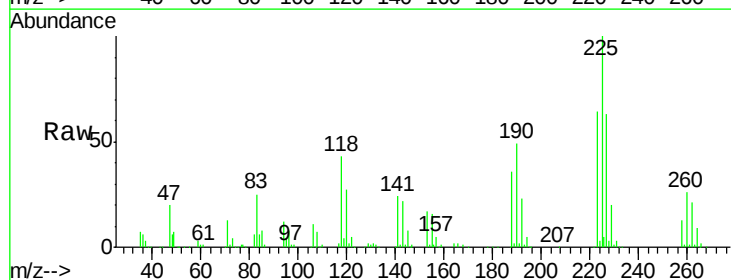


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

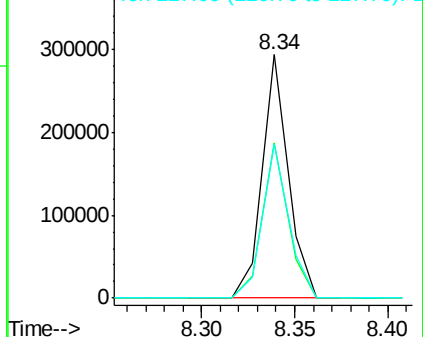
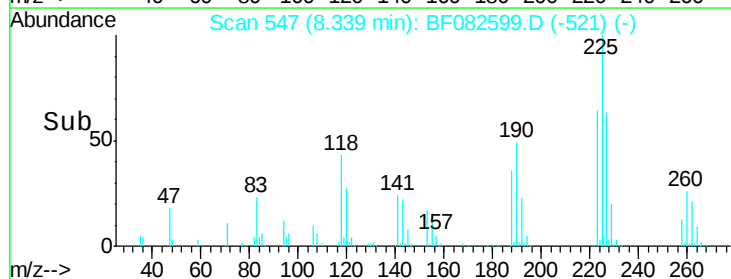


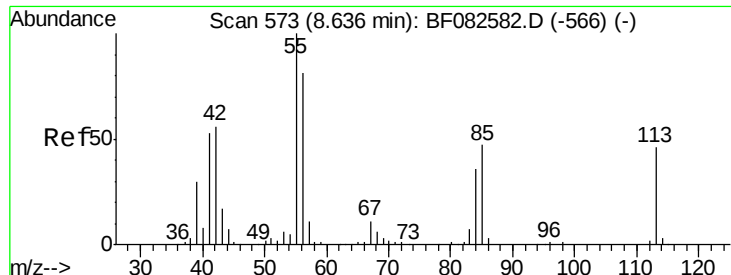
#34
Hexachlorobutadiene
Concen: 35.81 ng
RT: 8.34 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion:	225	Resp:	281694
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.5	75.7
227	63.2	50.2	75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

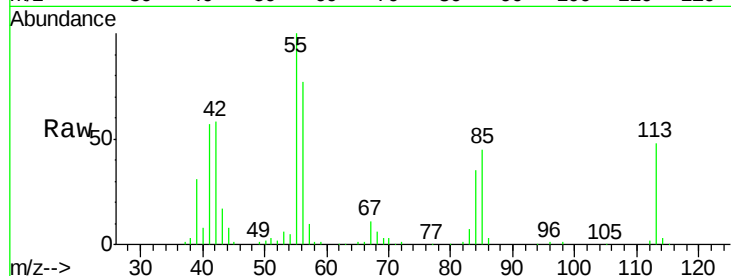




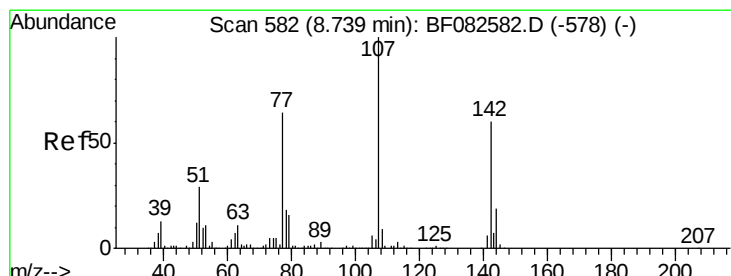
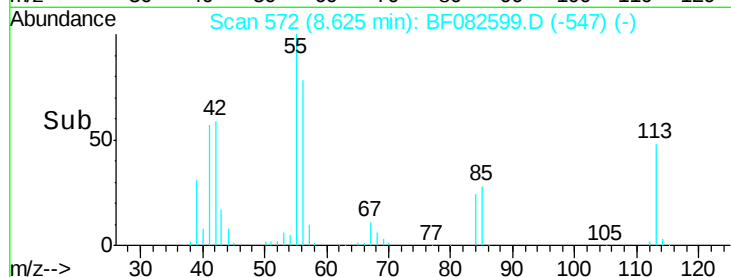
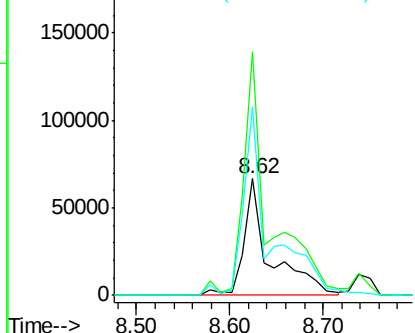
#35
 Caprolactam
 Concen: 37.67 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:113 Resp: 128801
 Ion Ratio Lower Upper
 113 100
 55 209.0 195.5 235.5
 56 161.8 153.5 193.5

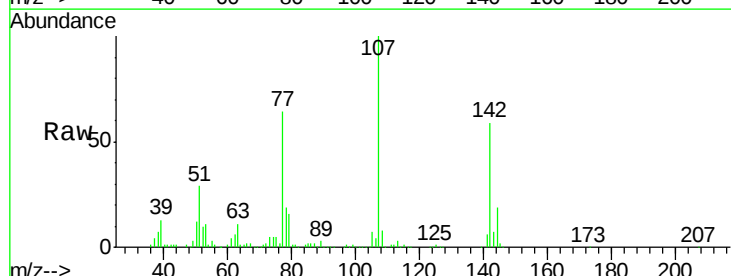


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

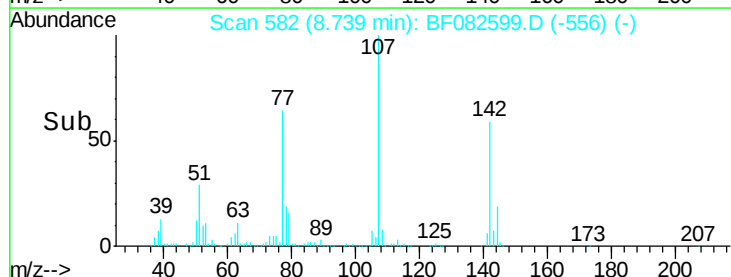
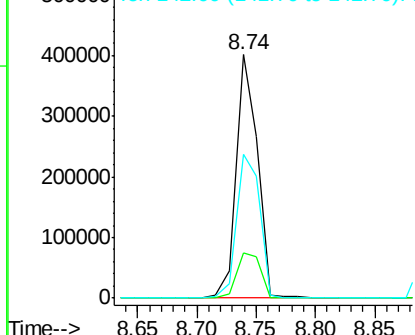


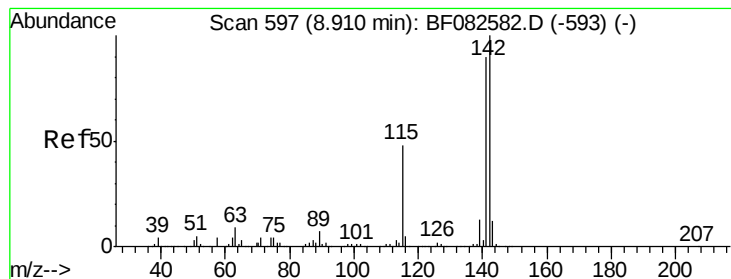
#36
 4-Chloro-3-methylphenol
 Concen: 38.16 ng
 RT: 8.74 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:107 Resp: 500802
 Ion Ratio Lower Upper
 107 100
 144 18.6 15.4 23.0
 142 59.2 47.8 71.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

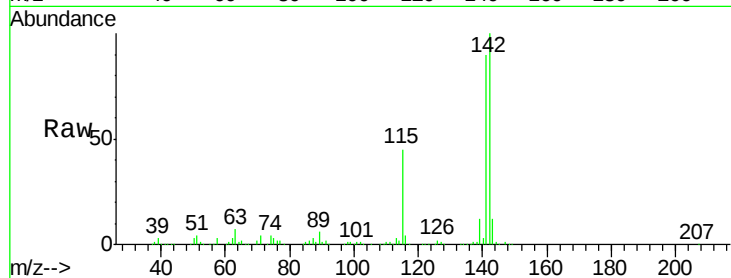




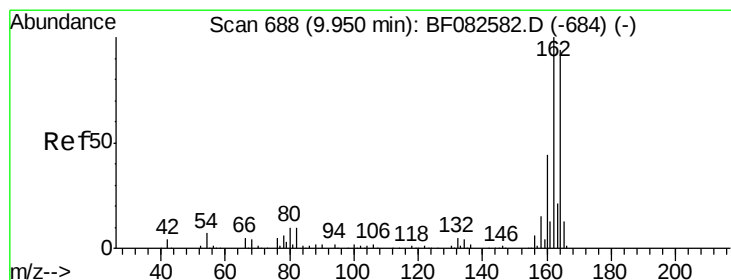
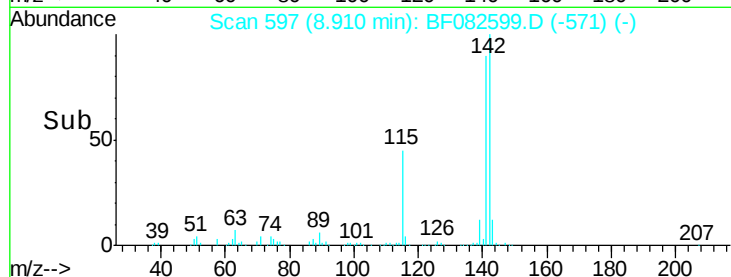
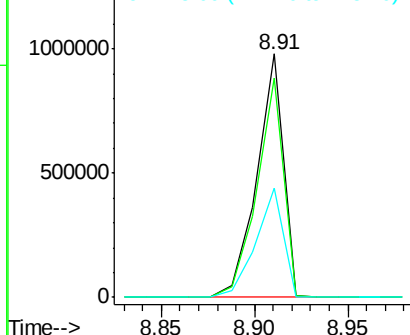
#37
 2-Methylnaphthalene
 Concen: 39.64 ng
 RT: 8.91 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleID :
 PB86309BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.3	108.5
115	44.8	38.1	57.1

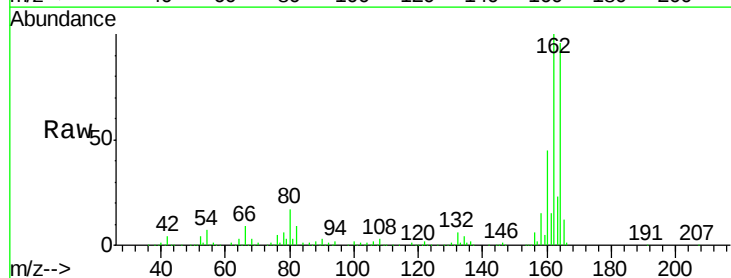


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

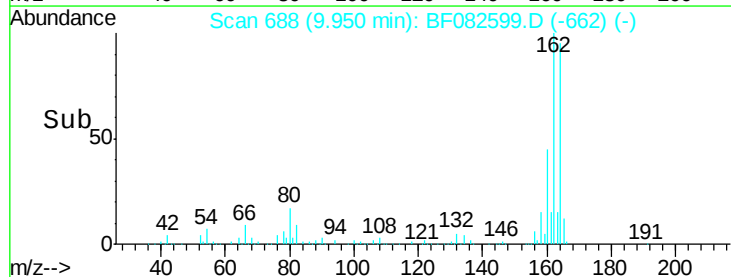
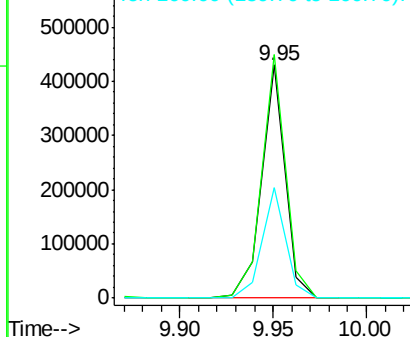


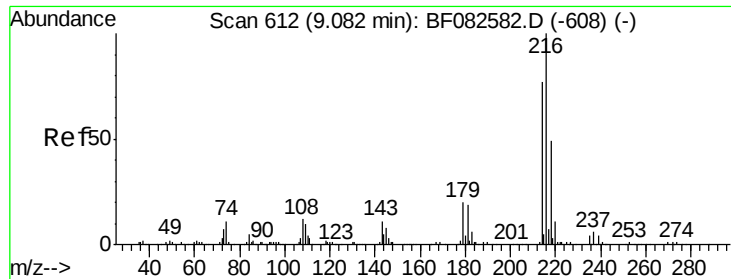
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	84.9	127.3
160	47.2	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

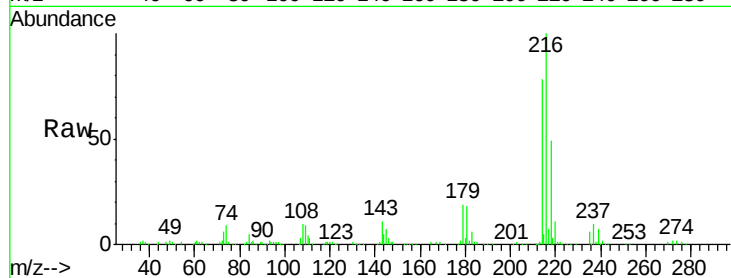




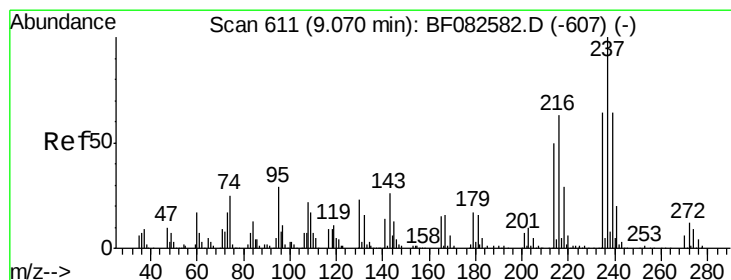
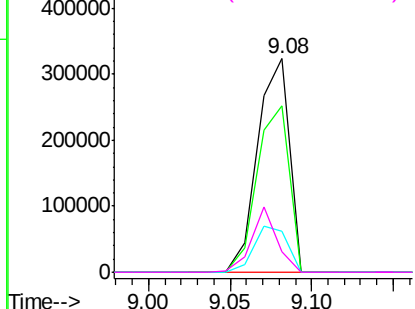
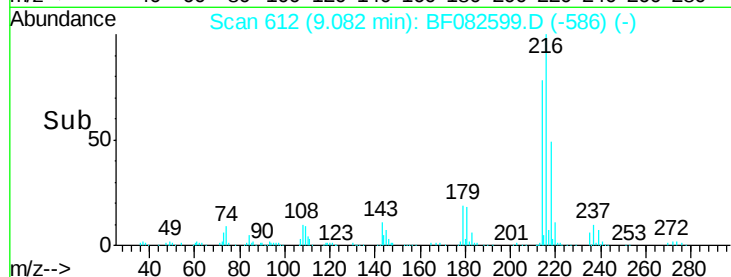
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.32 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleID :
 PB86309BS

Tgt Ion:	216	Resp:	436559
Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.2	93.2
179	22.5	18.1	27.1
108	24.5	16.6	25.0

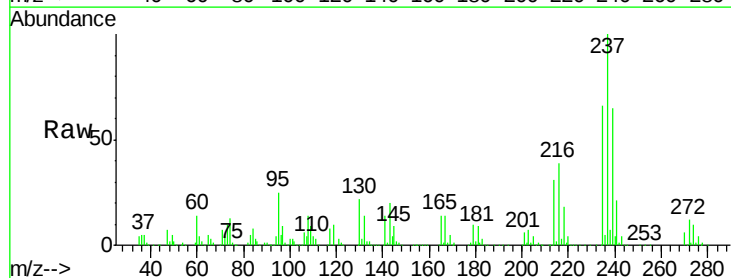


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

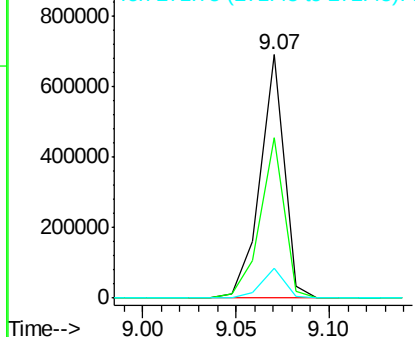
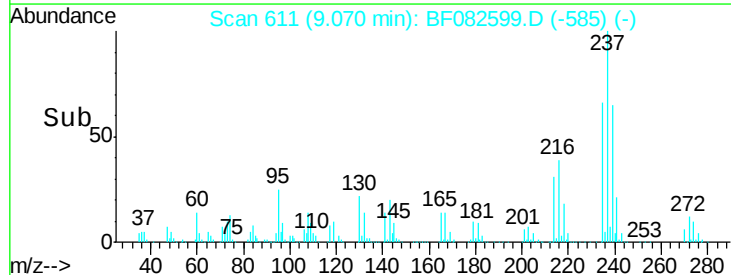


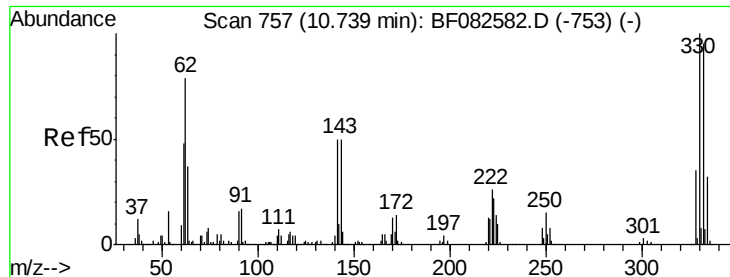
#40
 Hexachlorocyclopentadiene
 Concen: 79.50 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:	237	Resp:	617815
Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.3	84.3
272	12.3	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

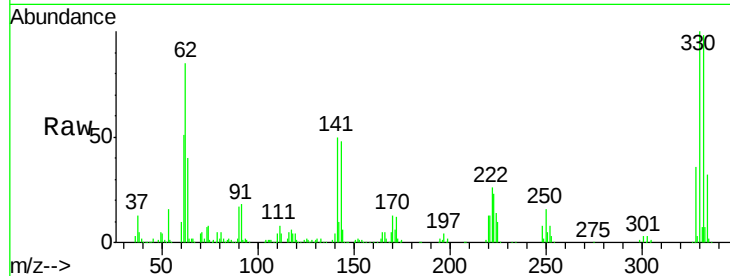




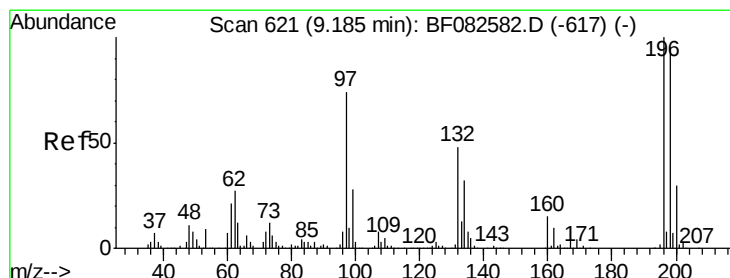
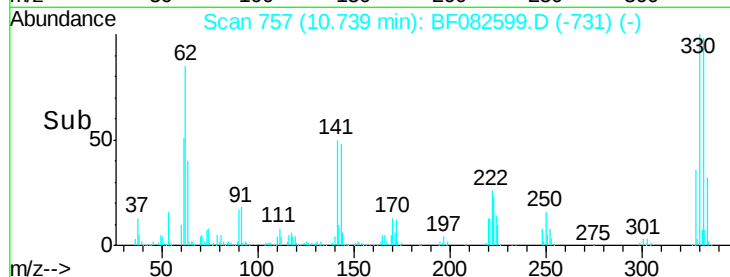
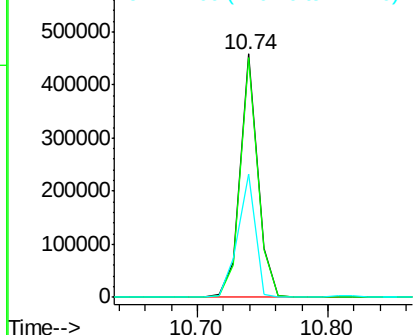
#41
 2,4,6-Tribromophenol
 Concen: 106.34 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:330 Resp: 431134
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 114.8
 141 50.3 41.2 61.8

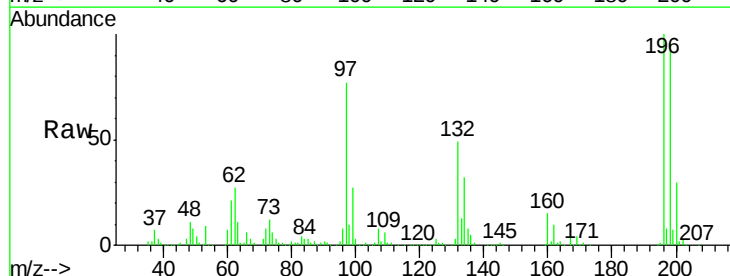


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

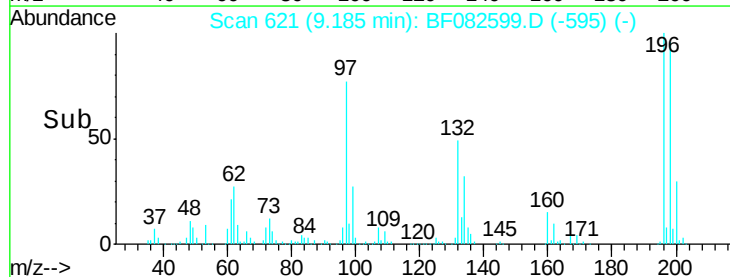
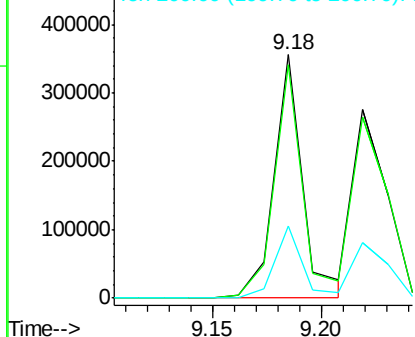


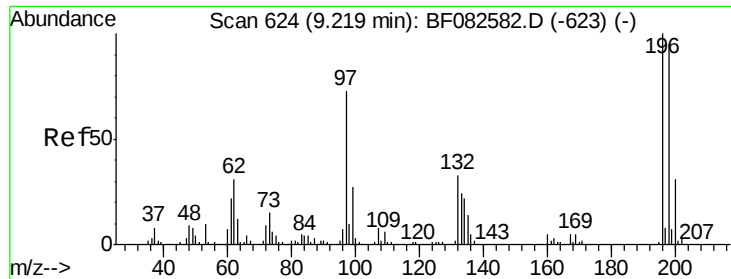
#42
 2,4,6-Trichlorophenol
 Concen: 36.72 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:196 Resp: 327793
 Ion Ratio Lower Upper
 196 100
 198 95.8 76.3 114.5
 200 29.7 23.9 35.9



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

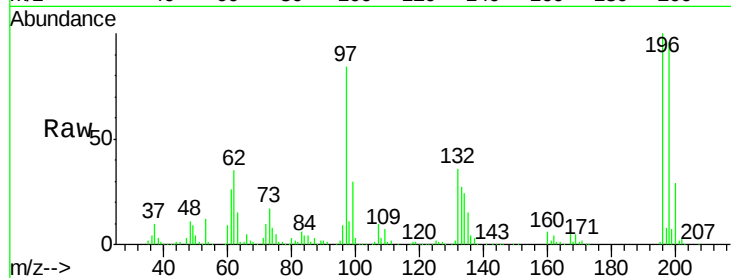




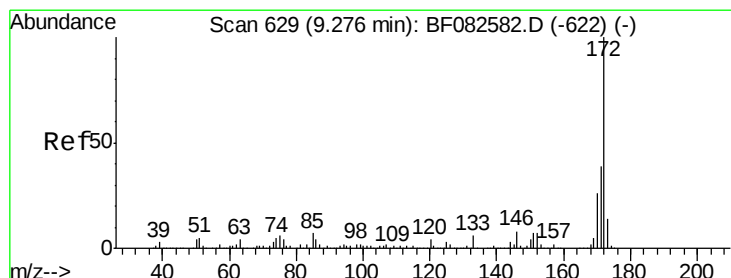
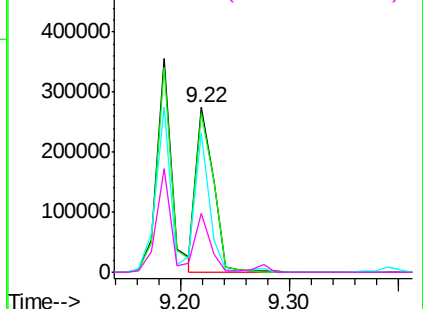
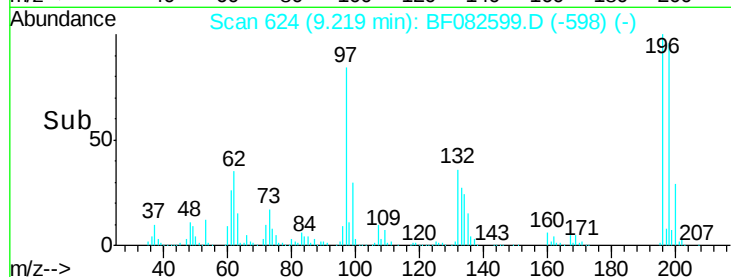
#43
 2,4,5-Trichlorophenol
 Concen: 34.10 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:196 Resp: 303300
 Ion Ratio Lower Upper
 196 100
 198 96.4 75.8 113.8
 97 84.2 62.3 93.5
 132 36.0 27.4 41.2

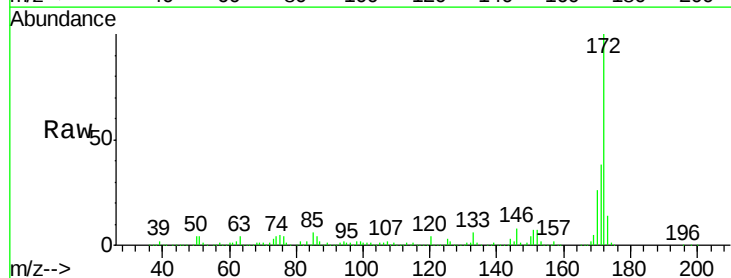


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

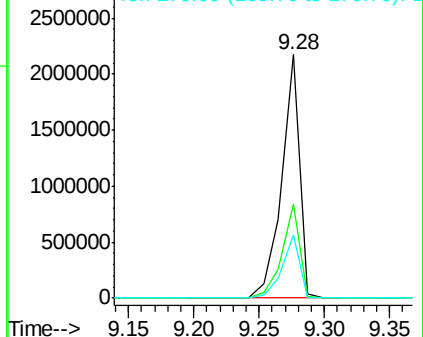
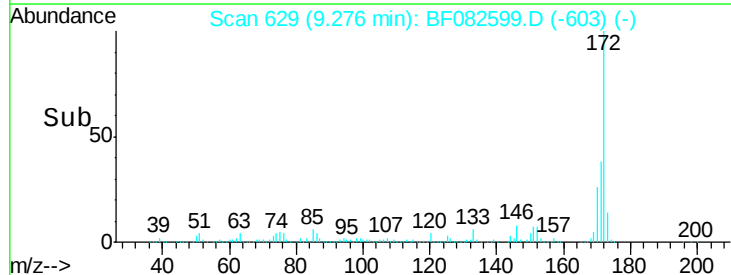


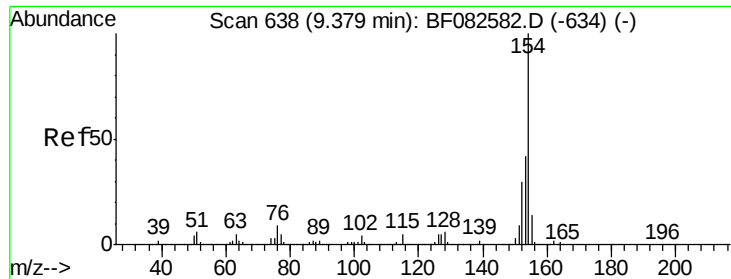
#44
 2-Fluorobiphenyl
 Concen: 79.84 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:172 Resp: 2083045
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.8 46.2
 170 26.0 21.2 31.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

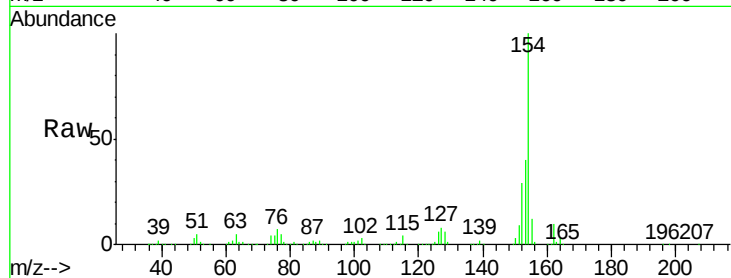




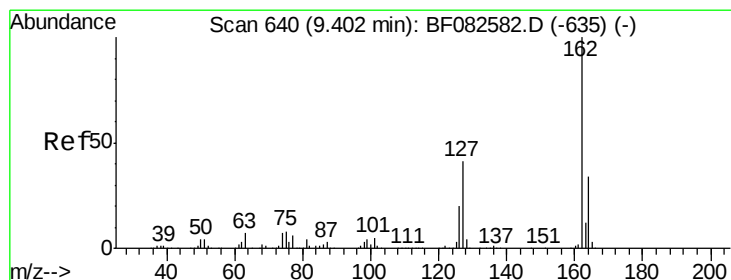
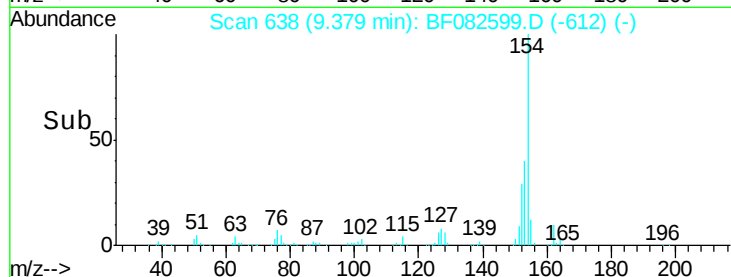
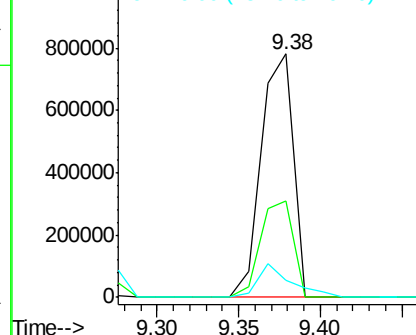
#45
 1,1'-Biphenyl
 Concen: 34.12 ng
 RT: 9.38 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:154 Resp: 1067746
 Ion Ratio Lower Upper
 154 100
 153 39.5 22.0 62.0
 76 7.2 0.0 29.0

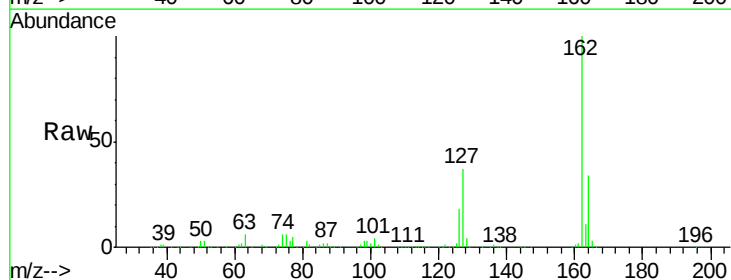


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

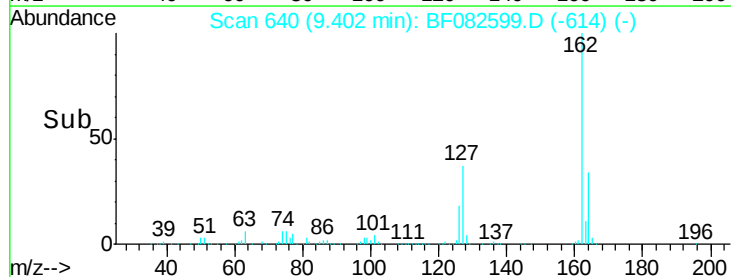
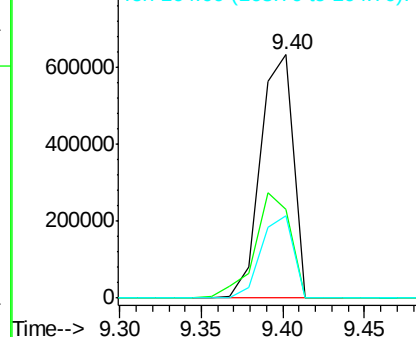


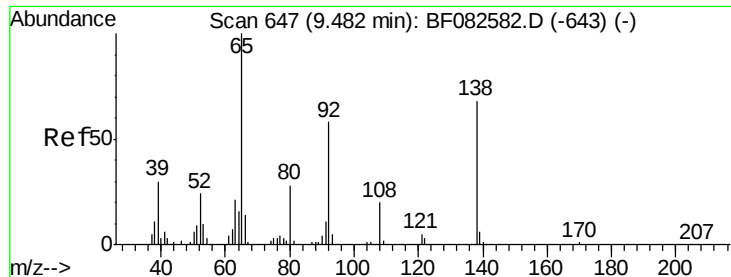
#46
 2-Chloronaphthalene
 Concen: 36.05 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:162 Resp: 880735
 Ion Ratio Lower Upper
 162 100
 127 36.5 32.7 49.1
 164 34.1 27.4 41.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

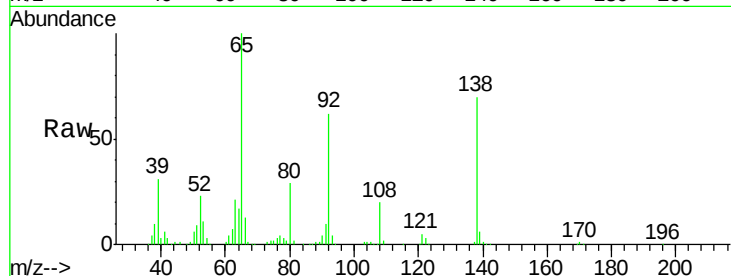




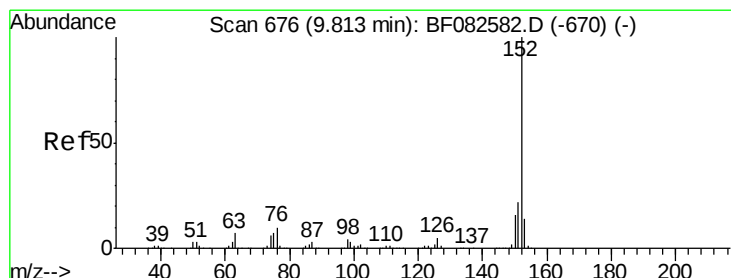
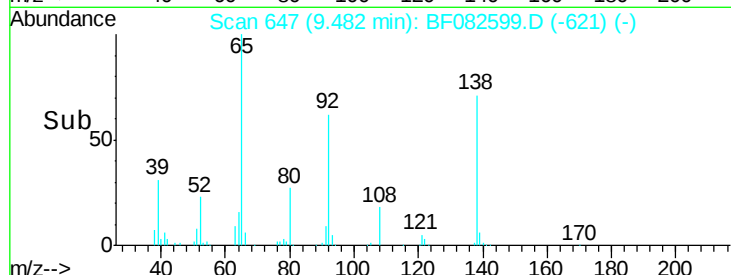
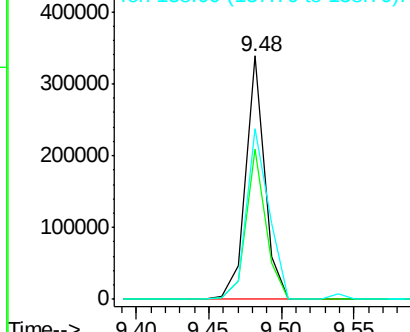
#47
2-Nitroaniline
Concen: 32.47 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
PB86309BS

Tgt Ion: 65 Resp: 308440
Ion Ratio Lower Upper
65 100
92 61.5 46.6 70.0
138 70.2 54.6 81.8

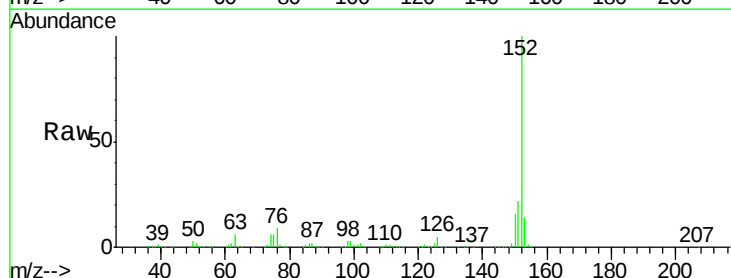


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

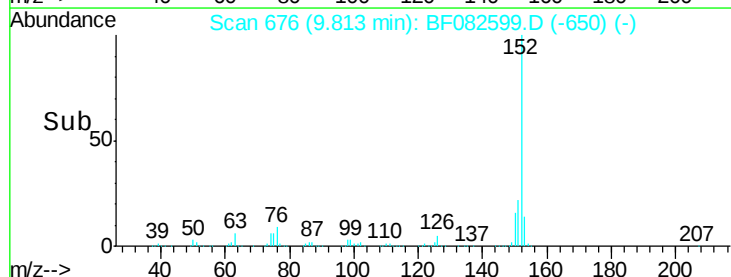
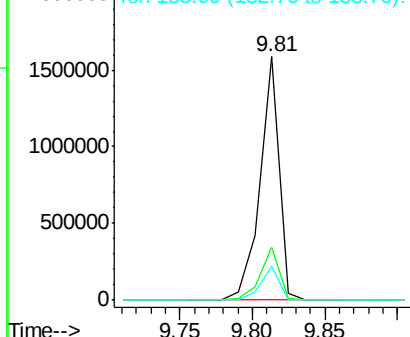


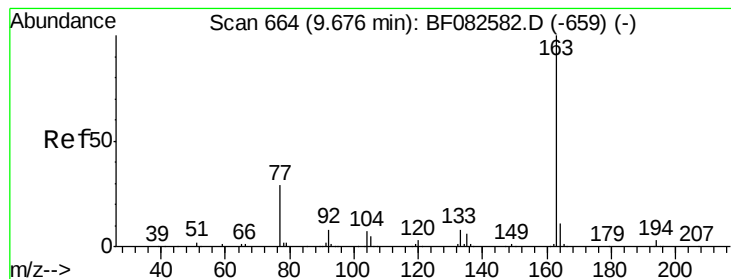
#48
Acenaphthylene
Concen: 36.88 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion: 152 Resp: 1441456
Ion Ratio Lower Upper
152 100
151 21.6 17.3 25.9
153 14.0 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): BF0
Ion 151.00 (150.70 to 151.70): BF0
Ion 153.00 (152.70 to 153.70): BF0





#49

Dimethylphthalate

Concen: 37.04 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

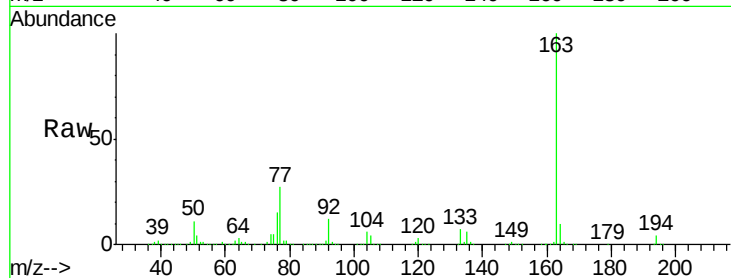
Tgt Ion:163 Resp: 1120583

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

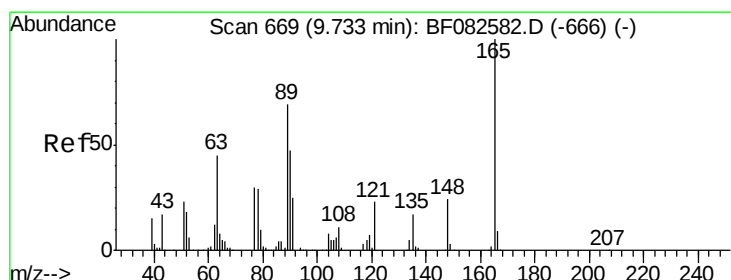
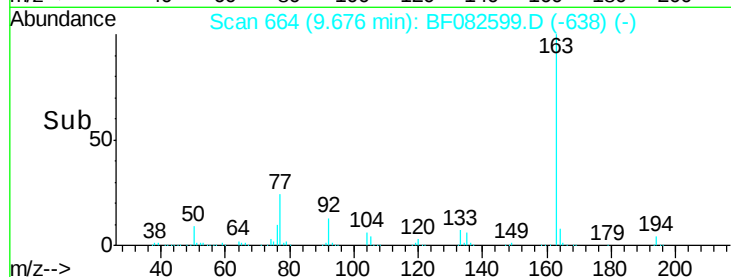
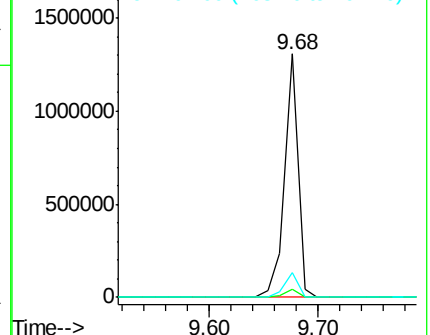
164 10.4 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 40.97 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

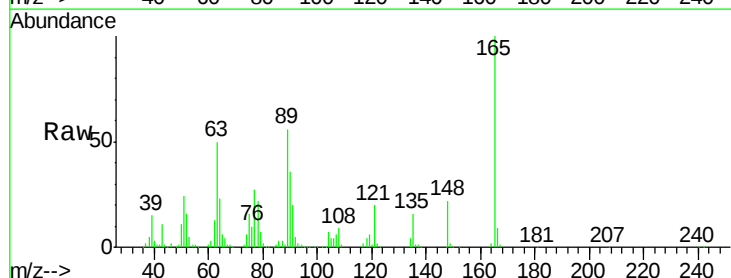
Tgt Ion:165 Resp: 256907

Ion Ratio Lower Upper

165 100

63 50.5 55.5 83.3#

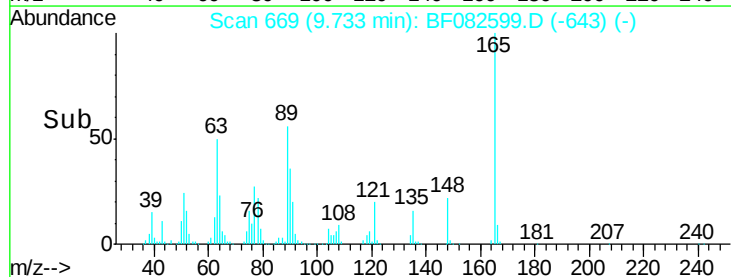
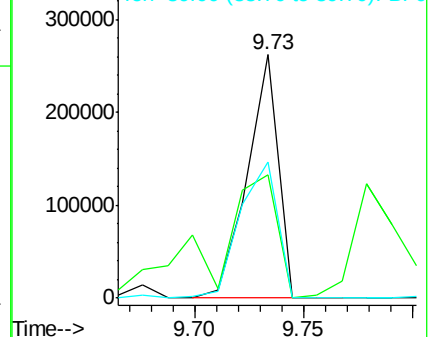
89 55.7 55.0 82.6

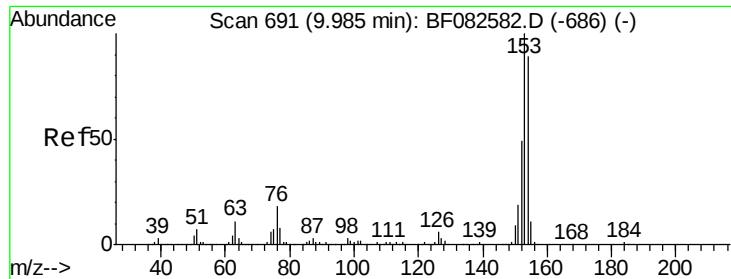


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.70 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

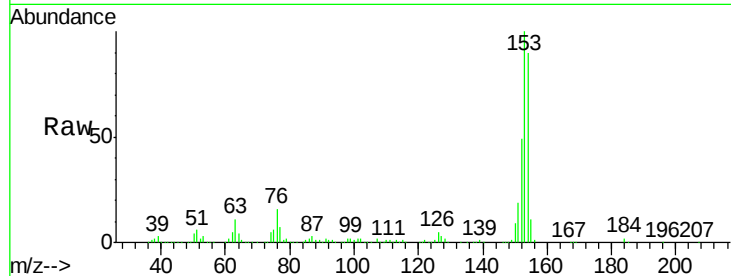
Tgt Ion:154 Resp: 1009719

Ion Ratio Lower Upper

154 100

153 111.3 90.1 135.1

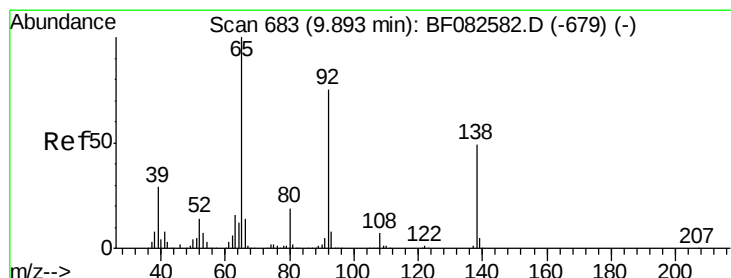
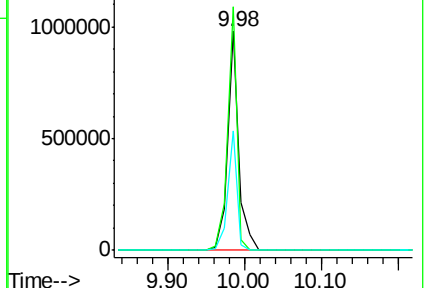
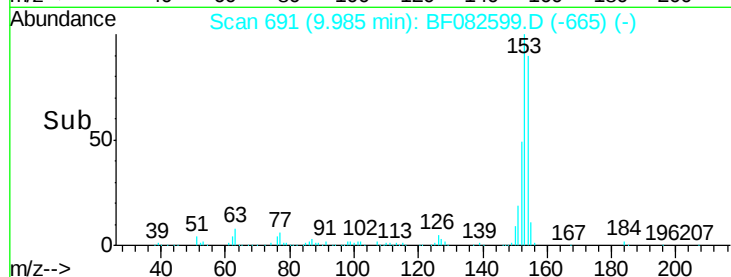
152 54.5 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.27 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

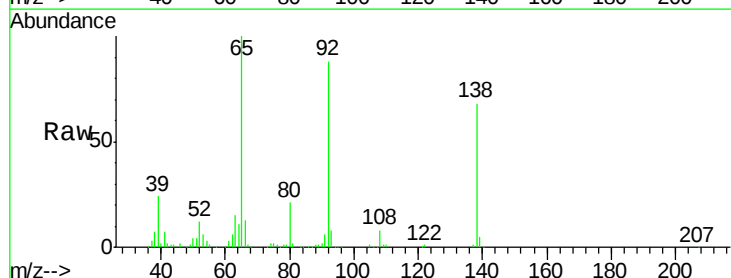
Tgt Ion:138 Resp: 127449

Ion Ratio Lower Upper

138 100

108 11.8 11.3 16.9

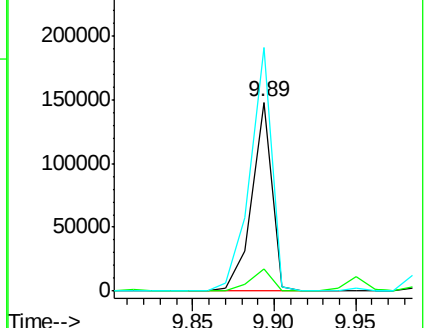
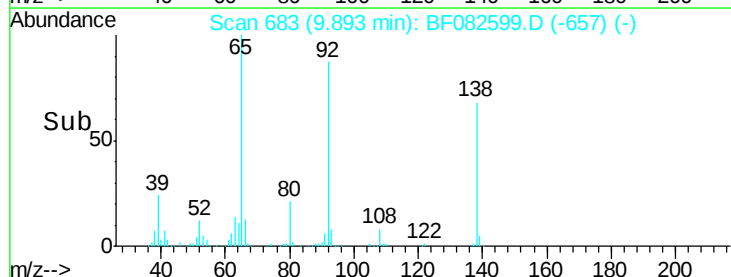
92 129.0 122.4 183.6

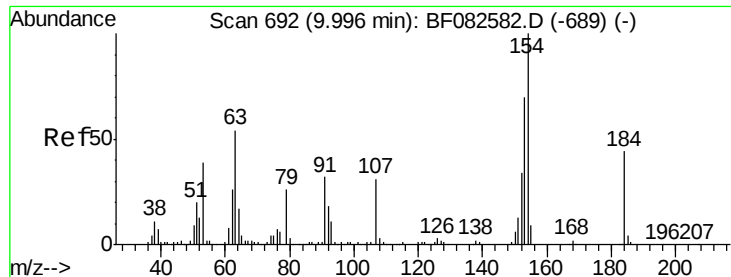


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

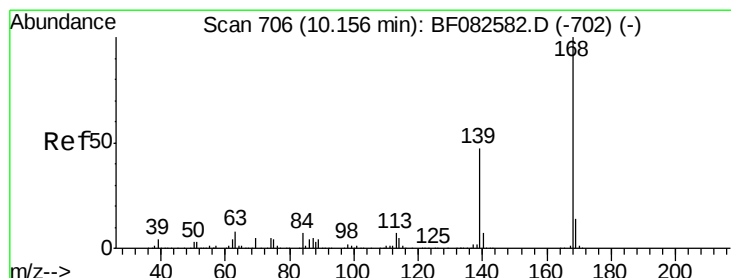
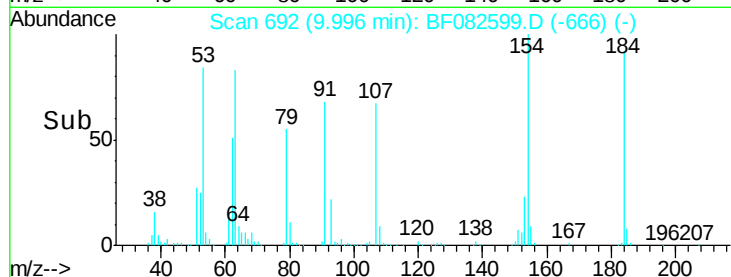
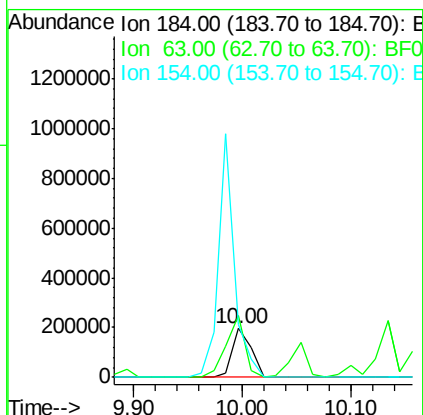
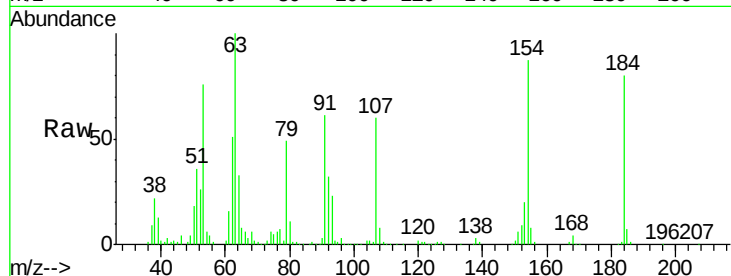




#53
2,4-Dinitrophenol
Concen: 71.10 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

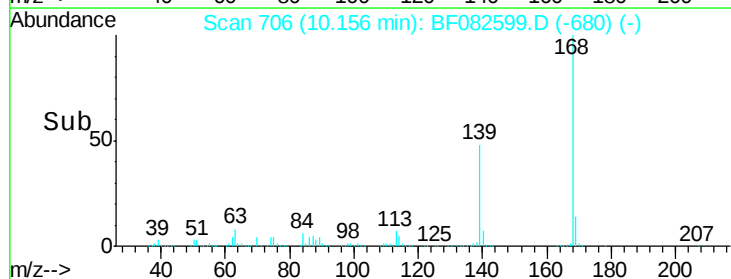
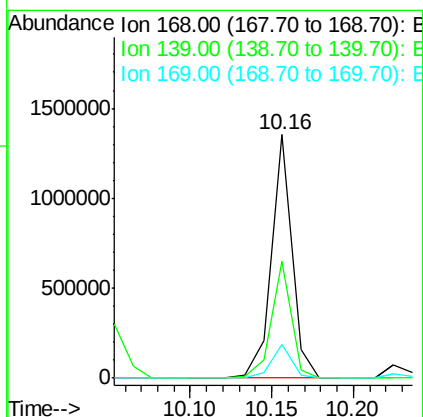
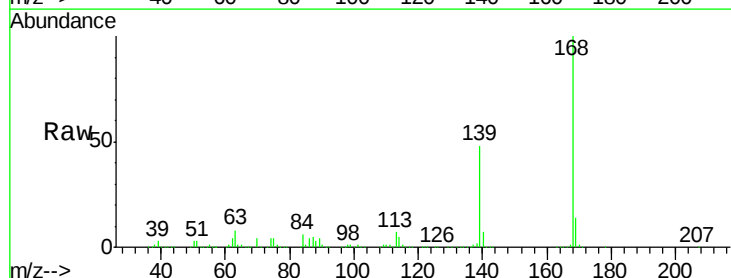
Instrument :
BNA_F
ClientSampleId :
PB86309BS

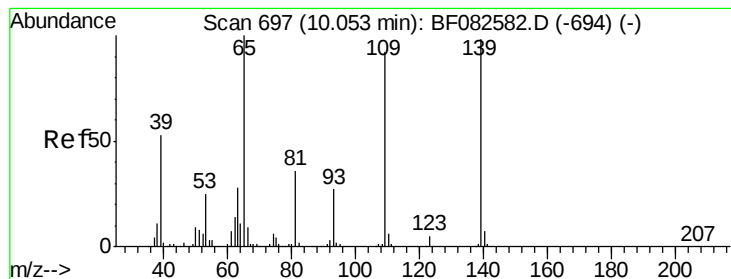
Tgt Ion:184 Resp: 234814
Ion Ratio Lower Upper
184 100
63 125.5 98.6 148.0
154 109.2 183.9 275.9#



#54
Dibenzofuran
Concen: 35.44 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion:168 Resp: 1193186
Ion Ratio Lower Upper
168 100
139 48.0 37.8 56.6
169 14.1 11.3 16.9





#55

4-Nitrophenol

Concen: 64.72 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

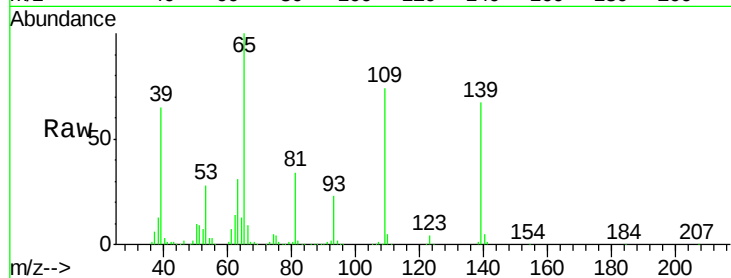
Tgt Ion:139 Resp: 339717

Ion Ratio Lower Upper

139 100

109 110.9 73.7 113.7

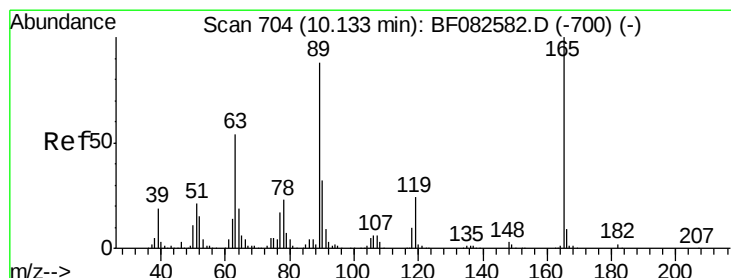
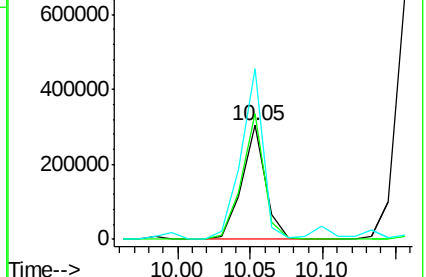
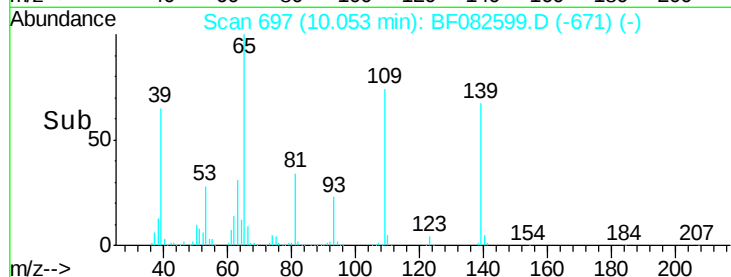
65 149.7 82.9 122.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 39.93 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Tgt Ion:165 Resp: 338613

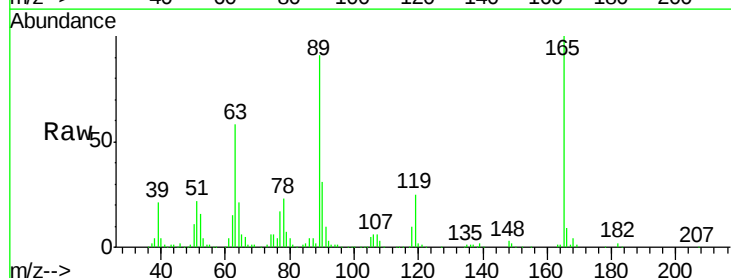
Ion Ratio Lower Upper

165 100

63 58.0 43.4 65.0

89 91.5 70.6 106.0

182 2.0 1.5 2.3

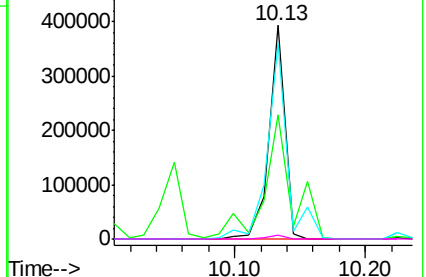
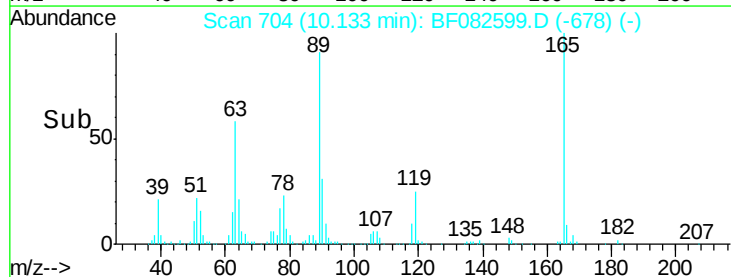


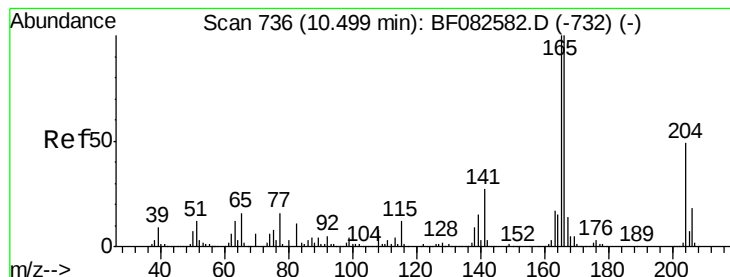
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 38.05 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

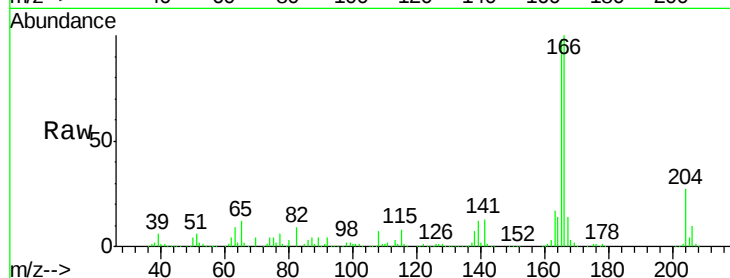
Tgt Ion:166 Resp: 1033194

Ion Ratio Lower Upper

166 100

165 98.3 80.2 120.4

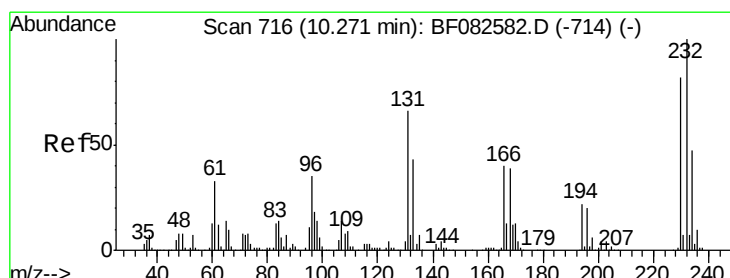
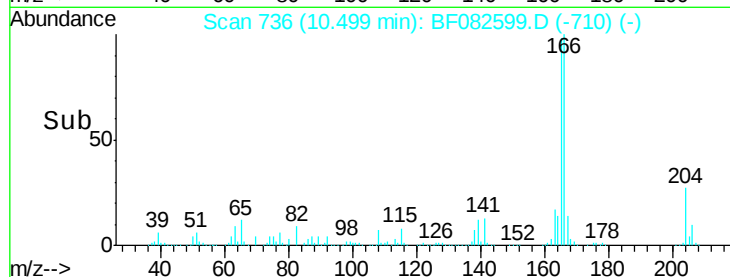
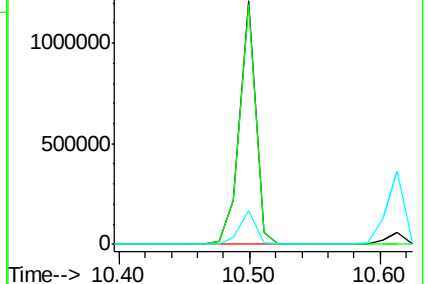
167 13.7 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 36.39 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Tgt Ion:232 Resp: 273537

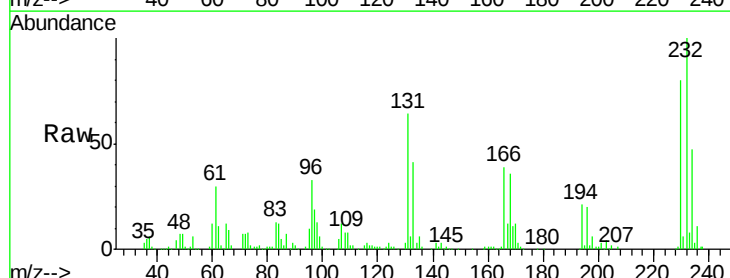
Ion Ratio Lower Upper

232 100

131 58.6 46.2 69.2

130 2.8 2.4 3.6

166 35.4 28.2 42.2

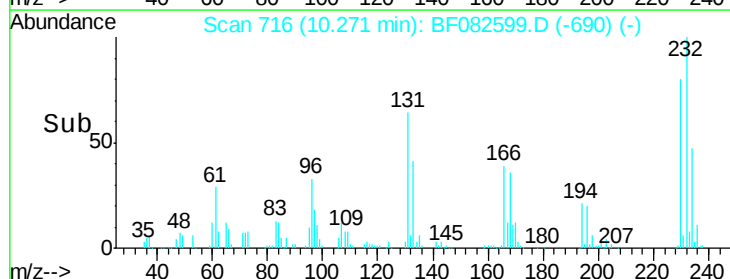
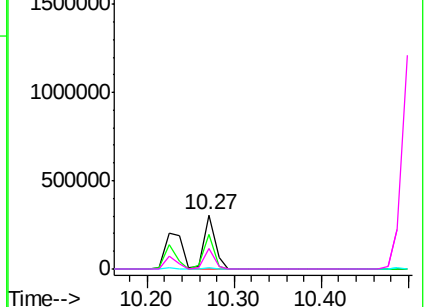


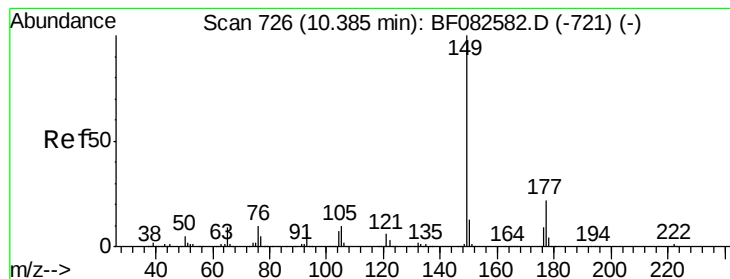
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 36.75 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

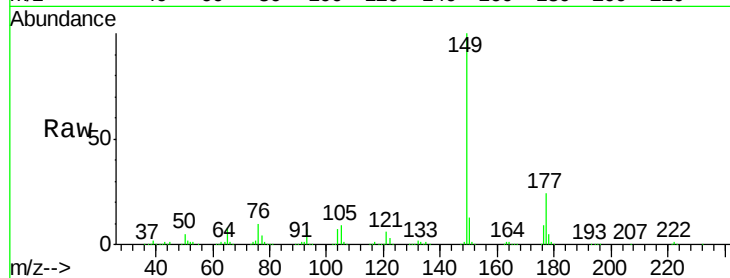
Tgt Ion:149 Resp: 1131993

Ion Ratio Lower Upper

149 100

177 24.3 17.9 26.9

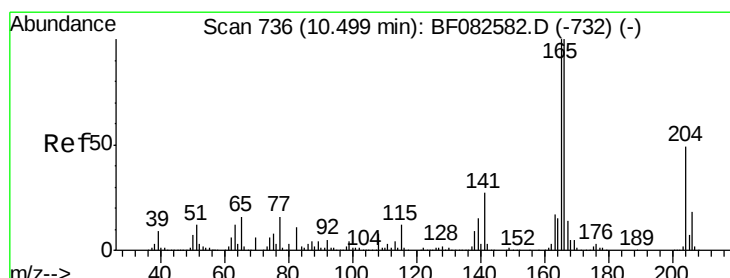
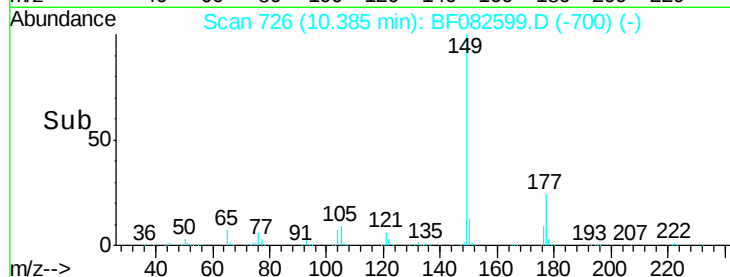
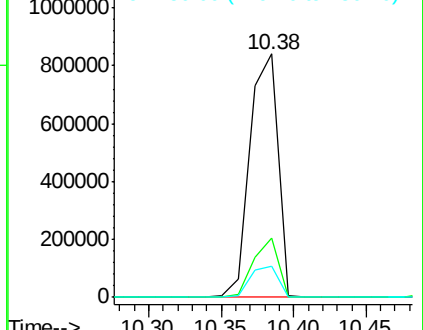
150 12.7 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 35.27 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

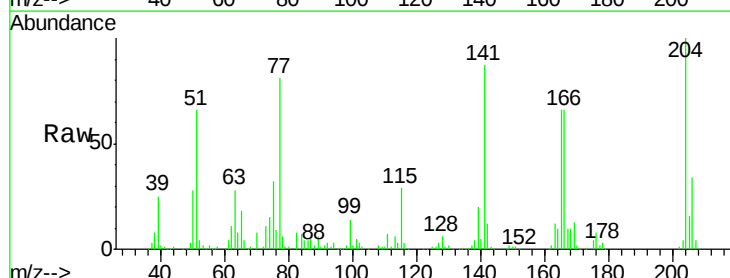
Tgt Ion:204 Resp: 465529

Ion Ratio Lower Upper

204 100

206 34.0 28.5 42.7

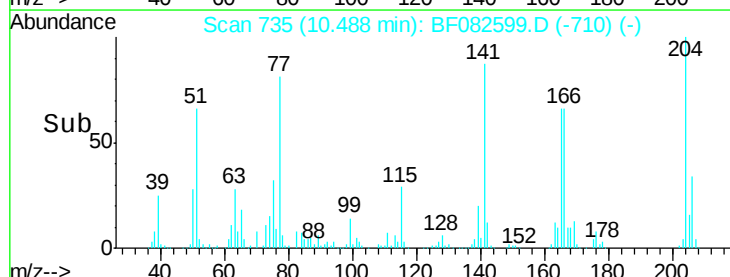
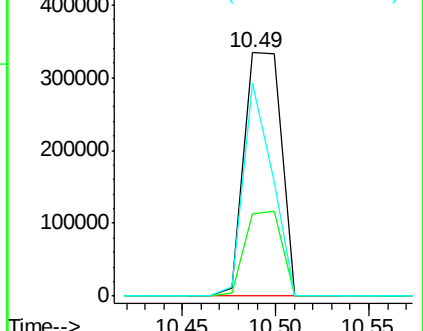
141 87.3 44.6 66.8#

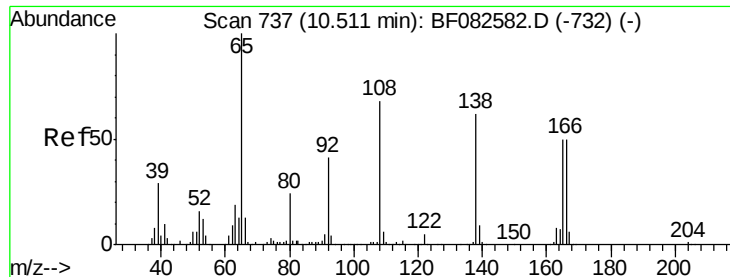


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

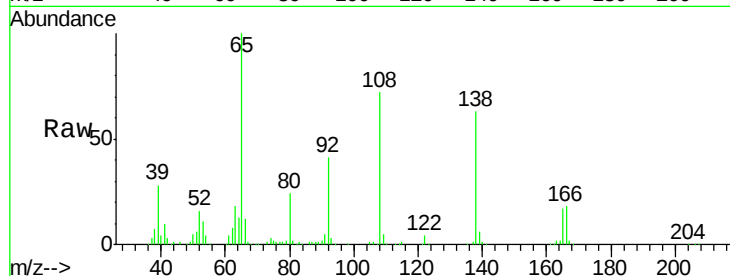




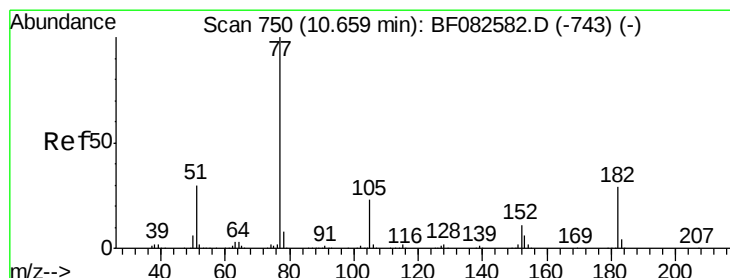
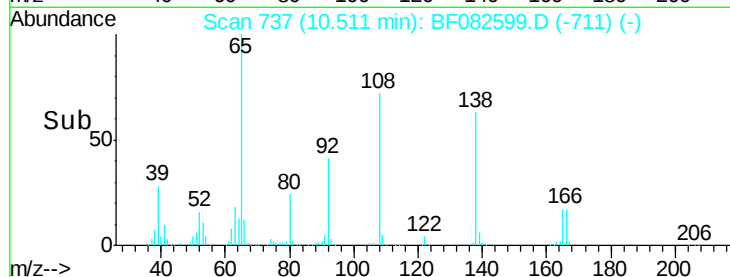
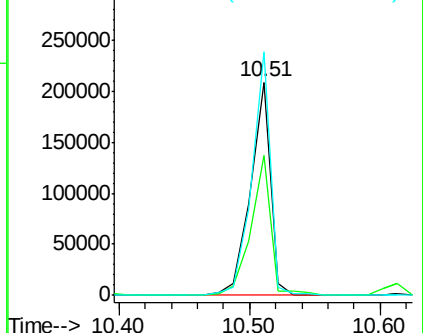
#61
4-Nitroaniline
Concen: 33.45 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
PB86309BS

Tgt Ion: 138 Resp: 222700
Ion Ratio Lower Upper
138 100
92 65.5 45.8 85.8
108 114.3 89.4 129.4

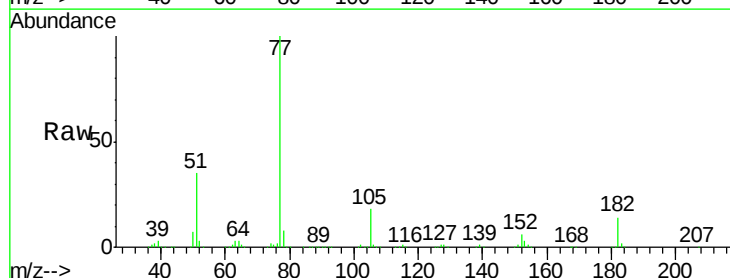


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

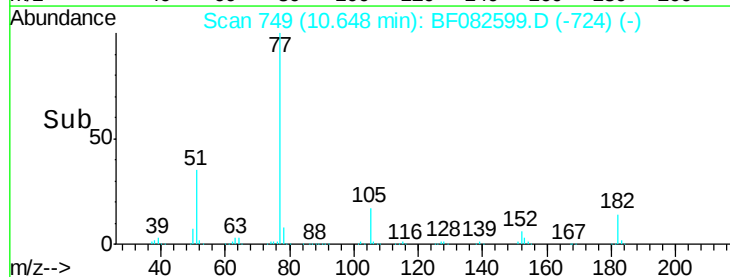
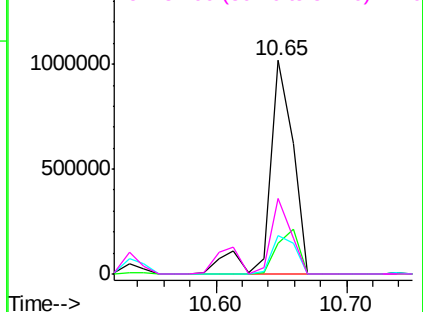


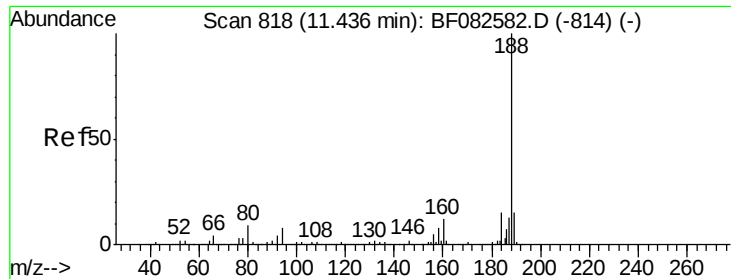
#62
Azobenzene
Concen: 37.70 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion: 77 Resp: 1309592
Ion Ratio Lower Upper
77 100
182 14.4 9.3 49.3
105 17.7 2.6 42.6
51 35.4 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

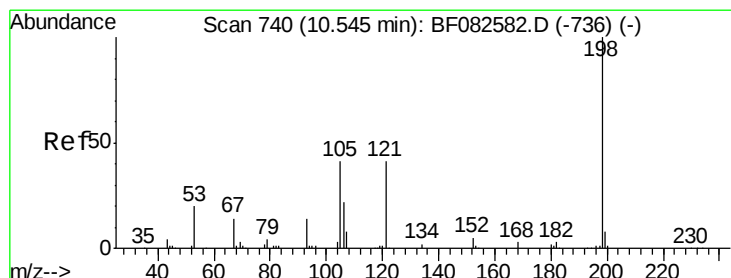
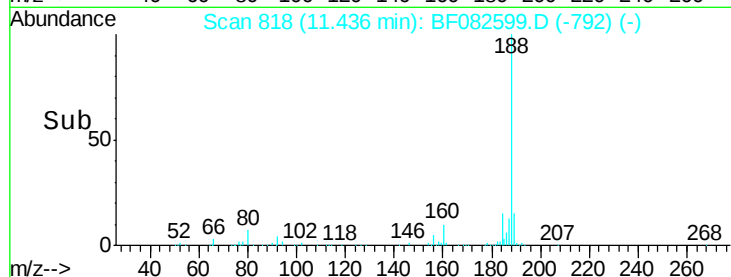
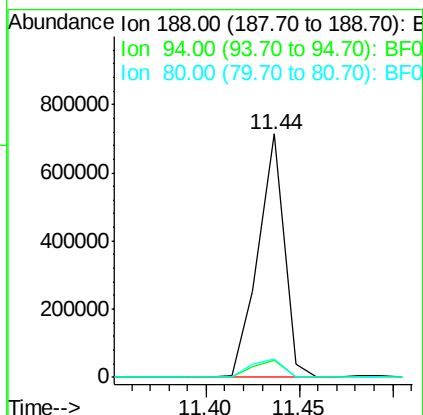
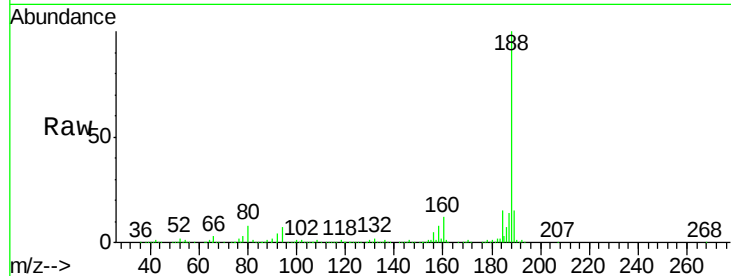




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

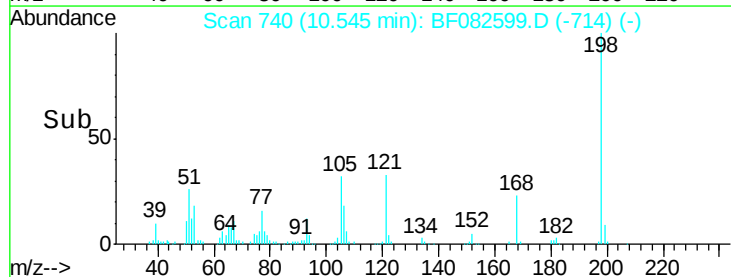
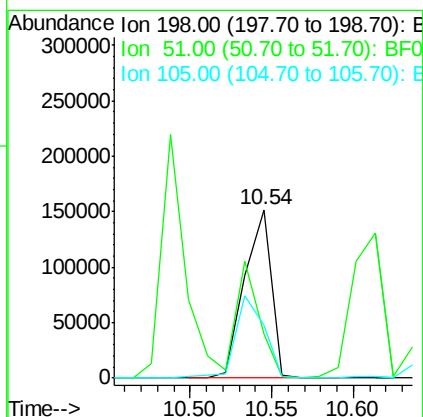
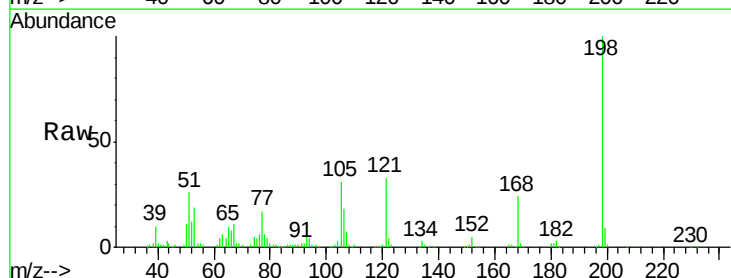
Instrument :
BNA_F
ClientSampleId :
PB86309BS

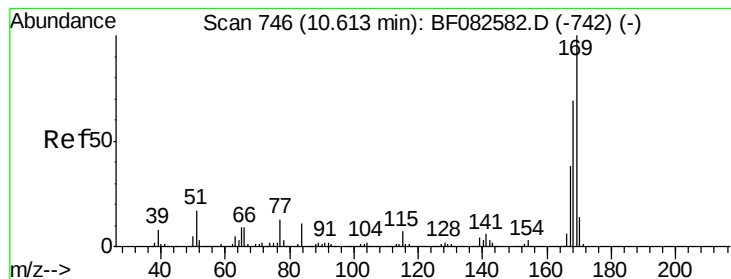
Tgt Ion:188 Resp: 694546
Ion Ratio Lower Upper
188 100
94 7.0 6.1 9.1
80 7.7 7.0 10.6



#64
4,6-Dinitro-2-methylphenol
Concen: 41.31 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion:198 Resp: 173043
Ion Ratio Lower Upper
198 100
51 26.1 17.3 57.3
105 31.4 21.7 61.7

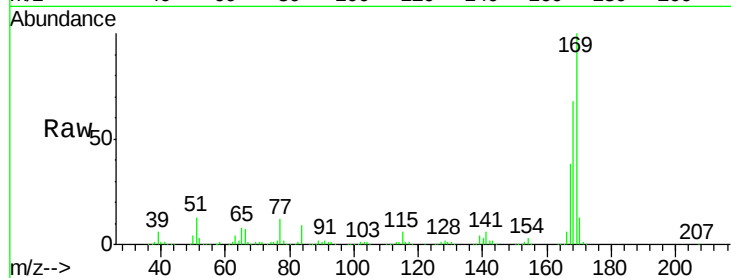




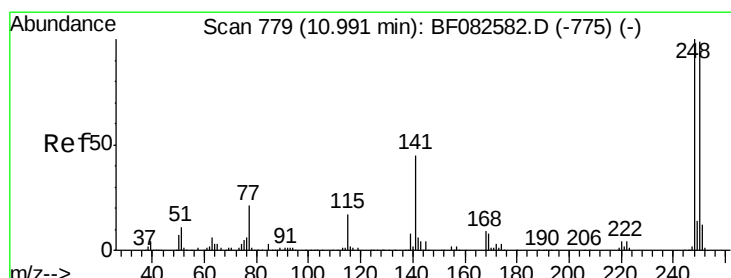
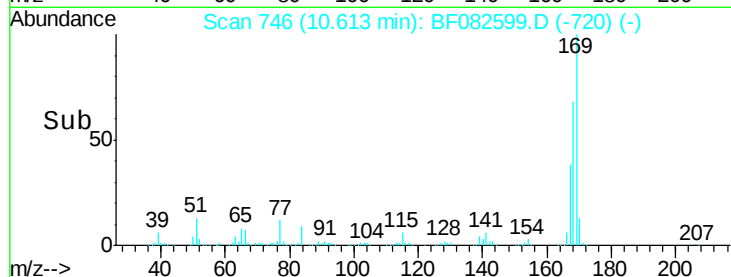
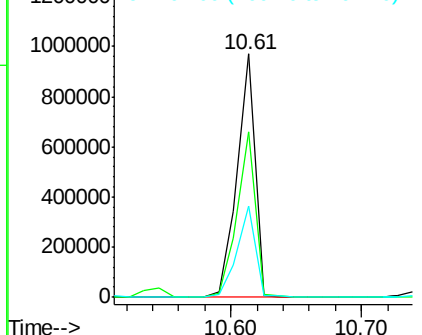
#65
 n-Nitrosodiphenylamine
 Concen: 38.80 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:169 Resp: 926385
 Ion Ratio Lower Upper
 169 100
 168 68.0 55.0 82.6
 167 37.6 30.5 45.7

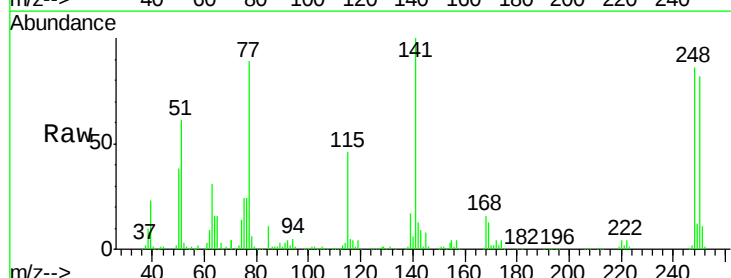


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

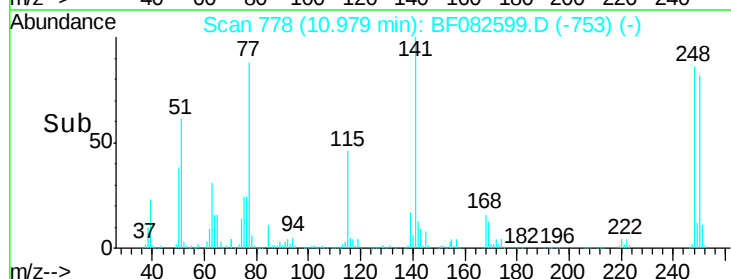
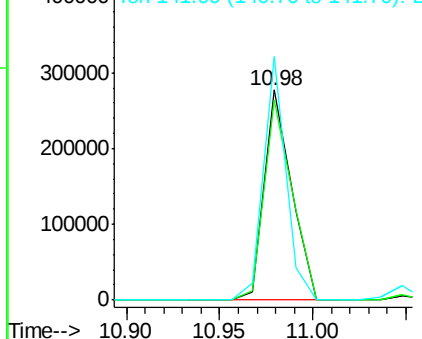


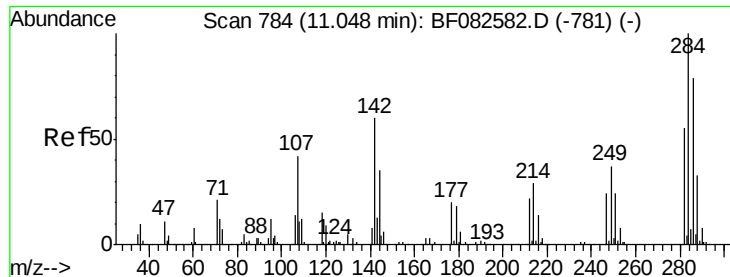
#66
 4-Bromophenyl-phenylether
 Concen: 35.39 ng
 RT: 10.98 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:248 Resp: 278520
 Ion Ratio Lower Upper
 248 100
 250 95.4 79.4 119.2
 141 115.9 36.3 54.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

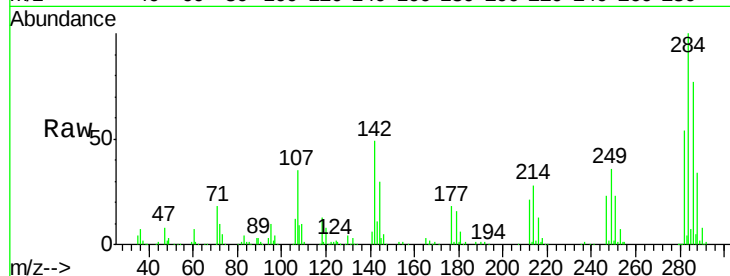




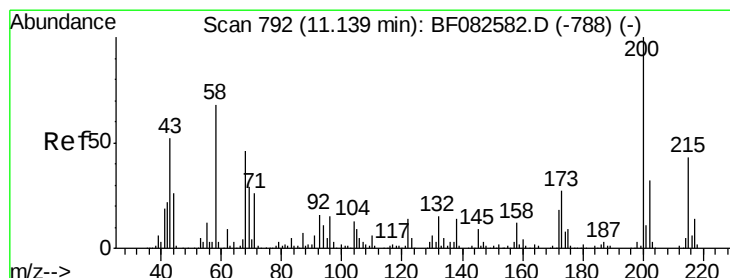
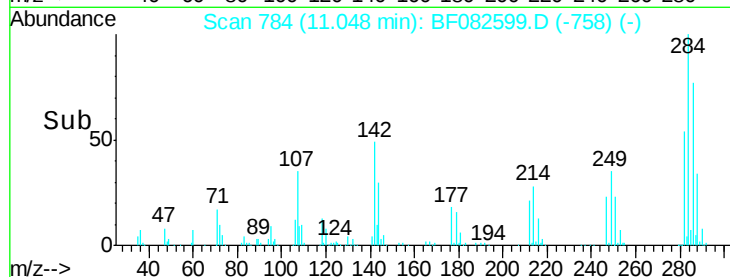
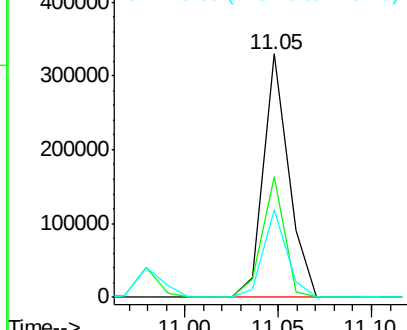
#67
Hexachlorobenzene
Concen: 35.22 ng
RT: 11.05 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
PB86309BS

Tgt Ion: 284 Resp: 307346
Ion Ratio Lower Upper
284 100
142 49.4 47.9 71.9
249 35.7 29.7 44.5

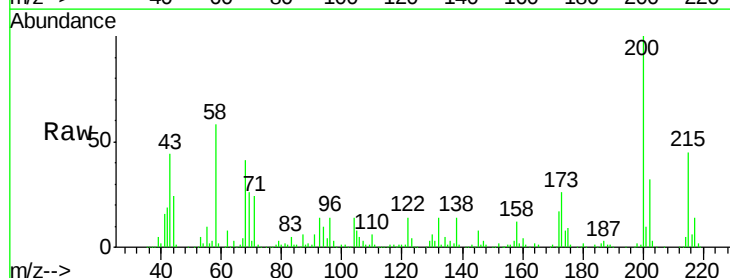


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

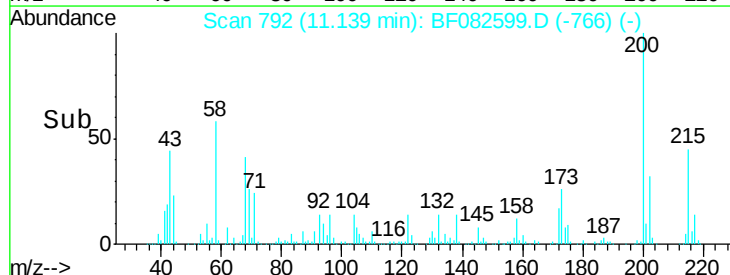
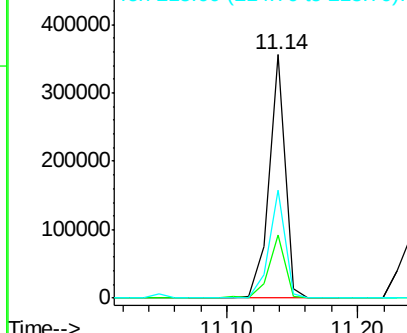


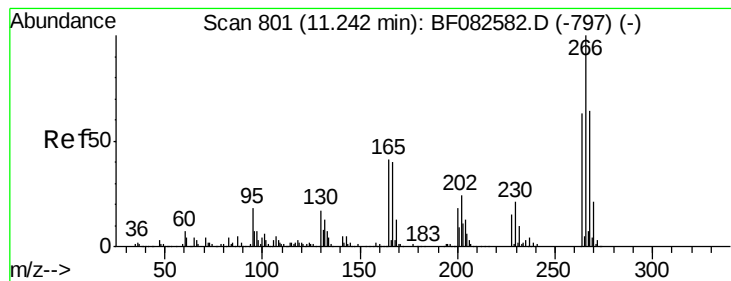
#68
Atrazine
Concen: 39.30 ng
RT: 11.14 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion: 200 Resp: 306989
Ion Ratio Lower Upper
200 100
173 26.1 6.9 46.9
215 44.5 22.9 62.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 80.89 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

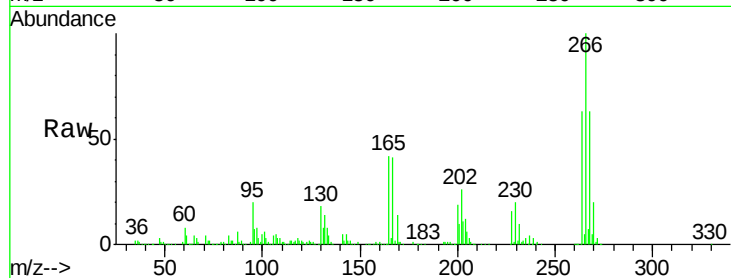
Tgt Ion:266 Resp: 465482

Ion Ratio Lower Upper

266 100

268 63.0 51.0 76.6

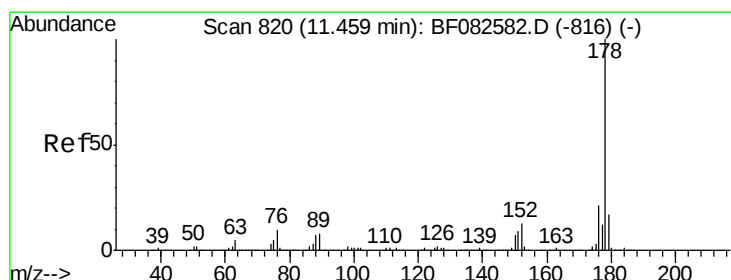
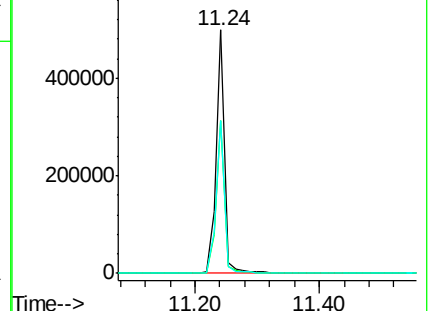
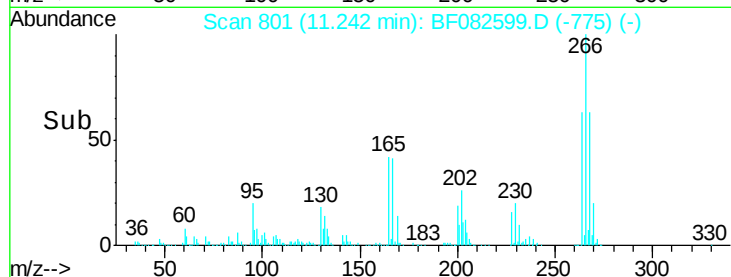
264 62.5 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 36.98 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

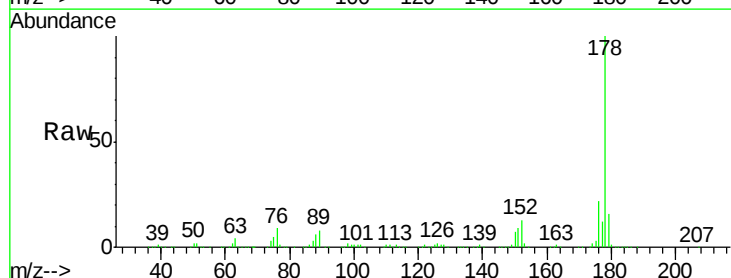
Tgt Ion:178 Resp: 1448602

Ion Ratio Lower Upper

178 100

176 21.6 17.0 25.4

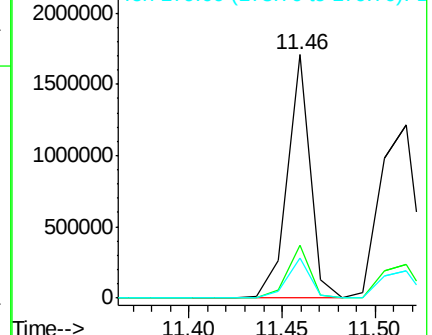
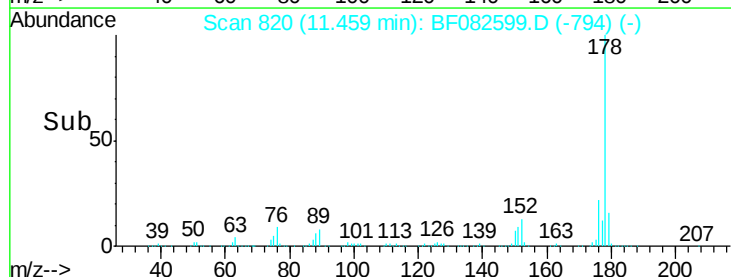
179 16.4 13.4 20.0

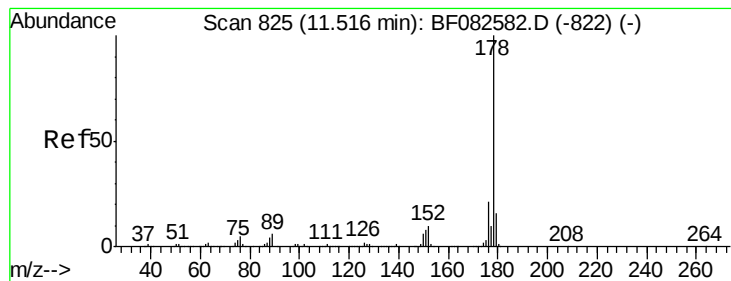


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 39.08 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

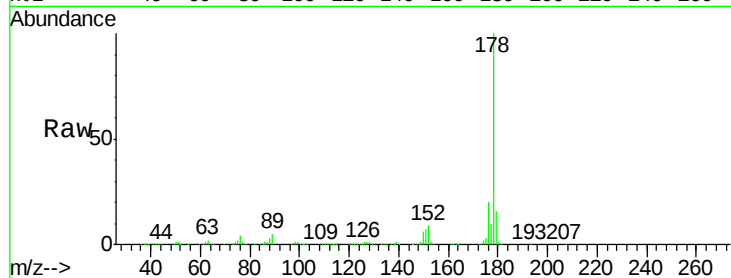
Tgt Ion:178 Resp: 1541307

Ion Ratio Lower Upper

178 100

176 19.6 16.5 24.7

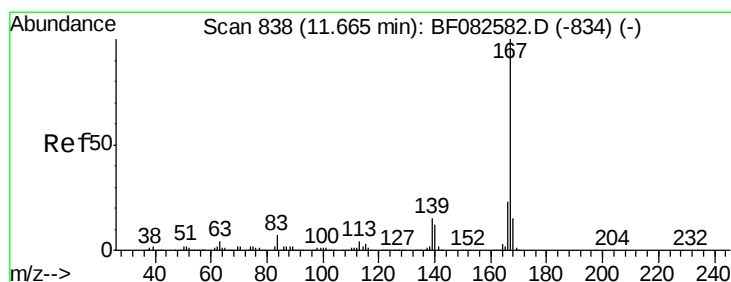
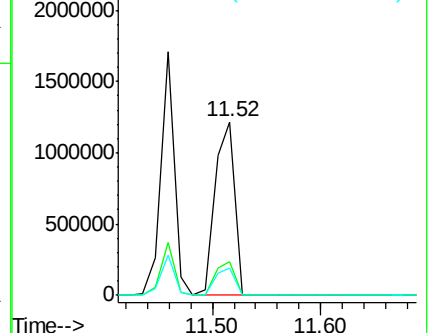
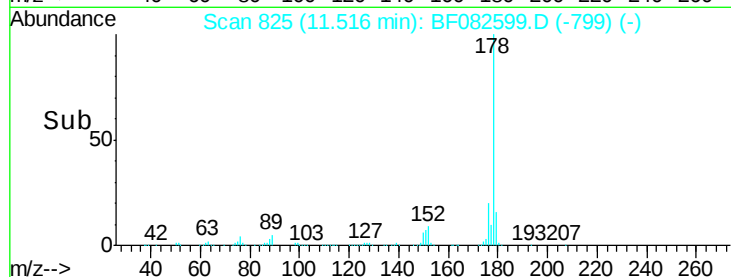
179 15.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 41.30 ng

RT: 11.66 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

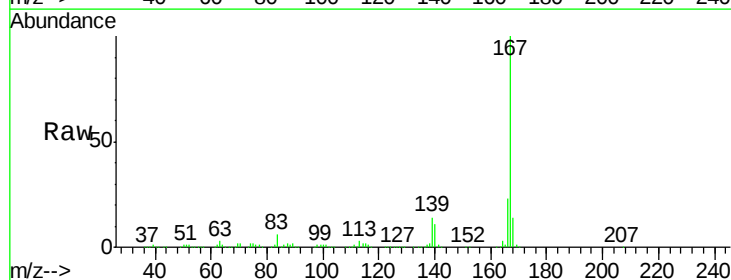
Tgt Ion:167 Resp: 1418965

Ion Ratio Lower Upper

167 100

166 23.2 18.7 28.1

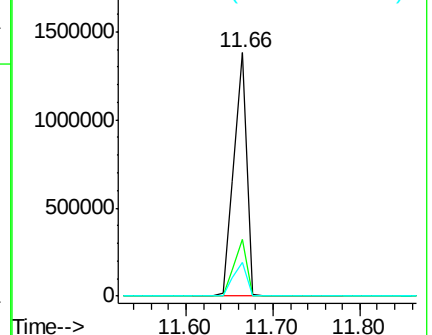
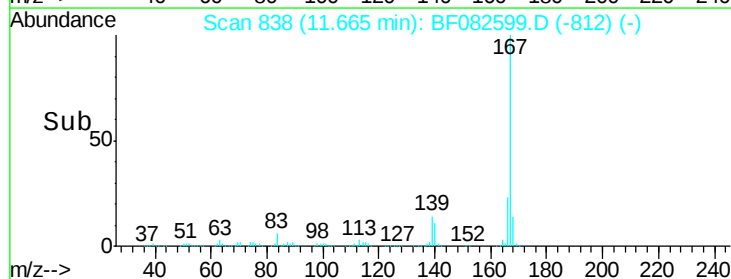
139 13.6 11.8 17.6

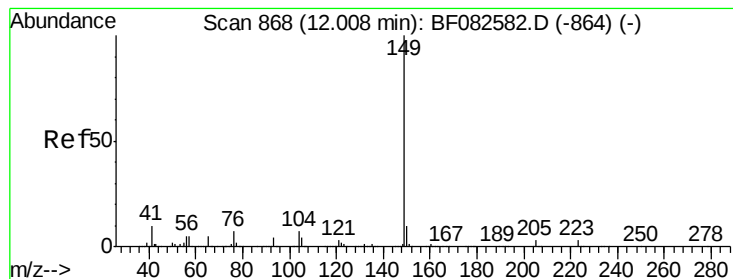


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.66 ng

RT: 12.01 min Scan# 868

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

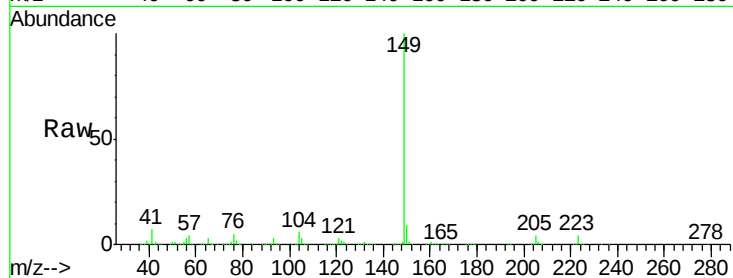
Tgt Ion:149 Resp: 1778073

Ion Ratio Lower Upper

149 100

150 9.1 8.1 12.1

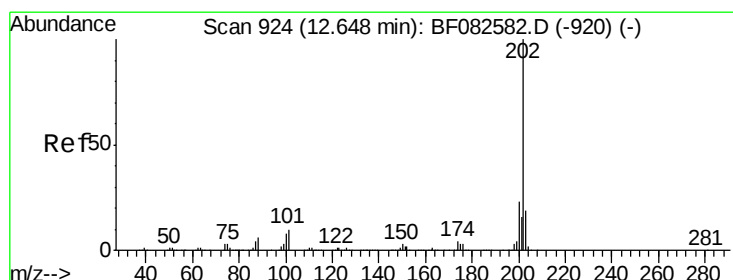
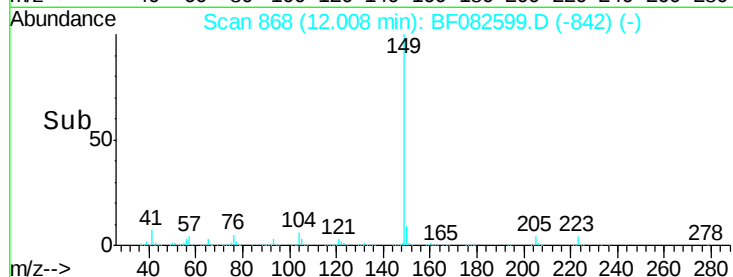
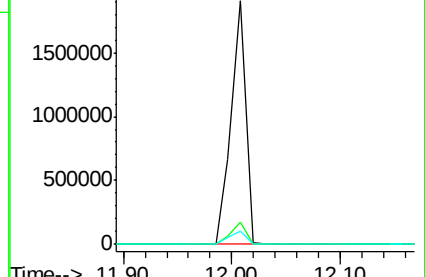
104 5.7 5.2 7.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.97 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

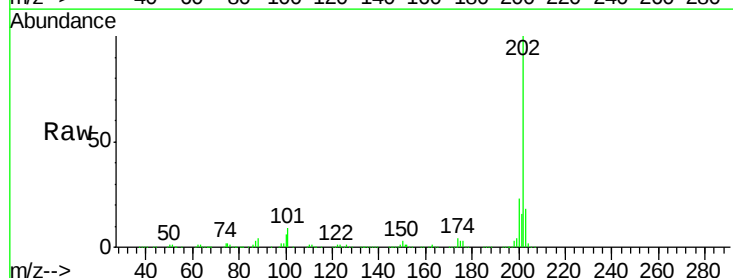
Tgt Ion:202 Resp: 1560582

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.5

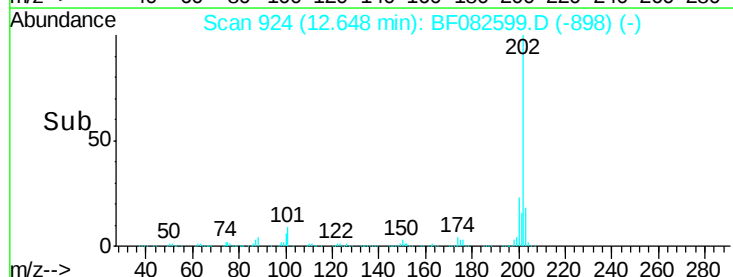
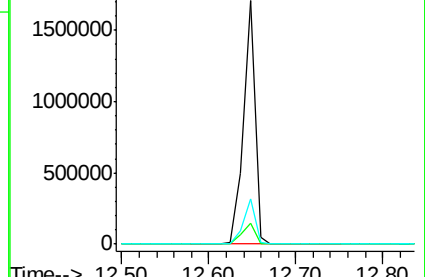
203 18.4 0.0 38.5

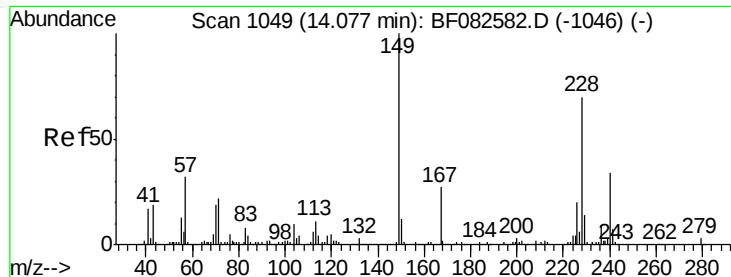


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

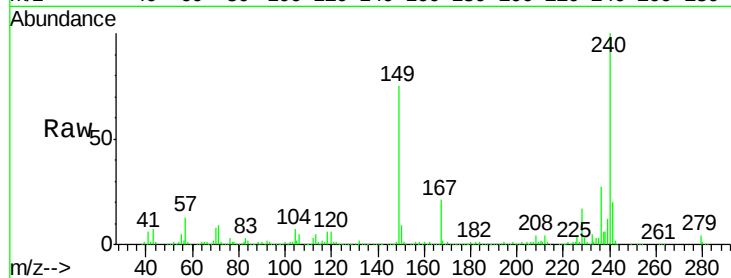
Tgt Ion:240 Resp: 547395

Ion Ratio Lower Upper

240 100

120 6.0 10.9 16.3#

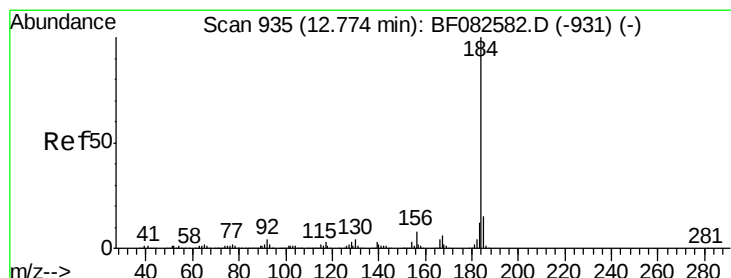
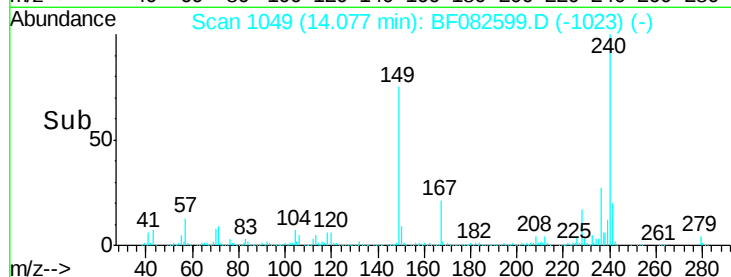
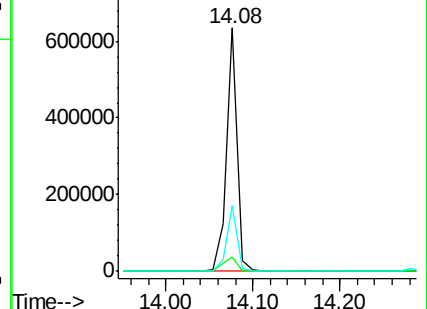
236 27.2 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.85 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

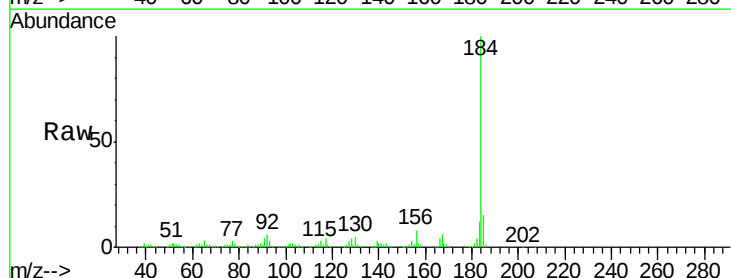
Tgt Ion:184 Resp: 415968

Ion Ratio Lower Upper

184 100

185 15.0 12.0 18.0

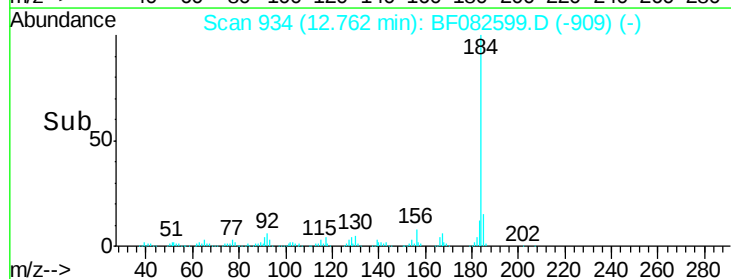
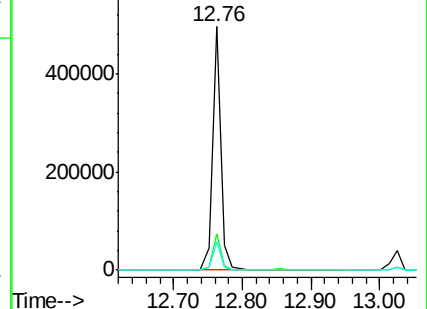
183 11.7 9.6 14.4

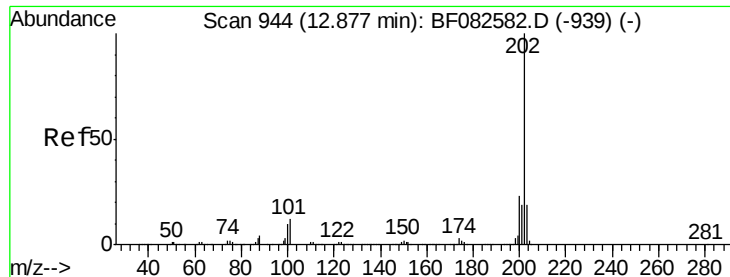


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 39.18 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

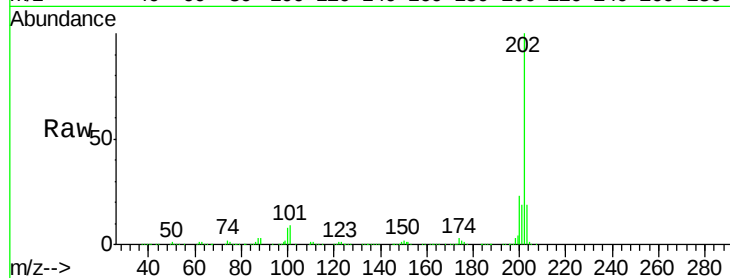
Tgt Ion:202 Resp: 1588136

Ion Ratio Lower Upper

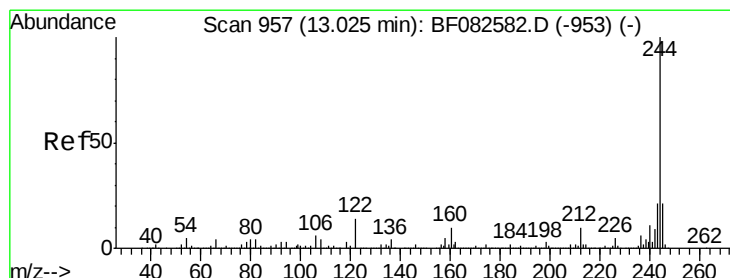
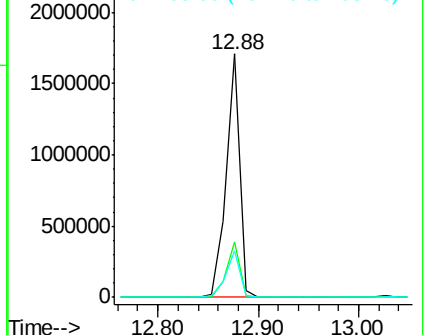
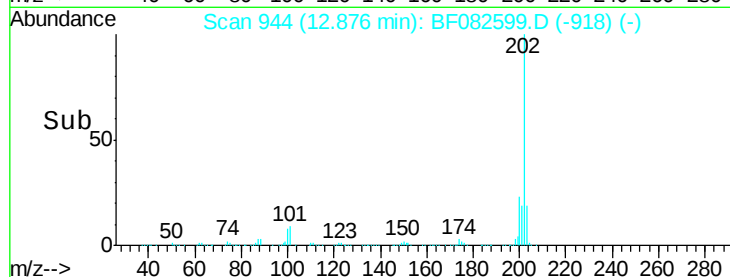
202 100

200 23.0 18.7 28.1

203 18.9 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 78.57 ng

RT: 13.03 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

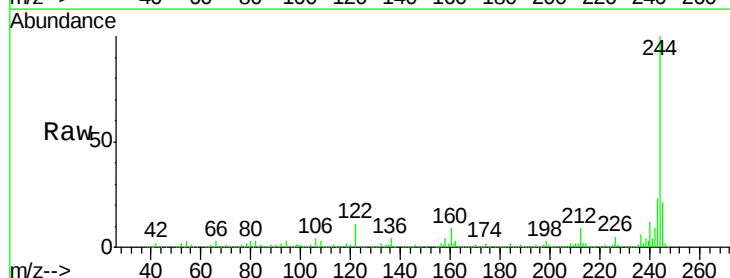
Tgt Ion:244 Resp: 1965237

Ion Ratio Lower Upper

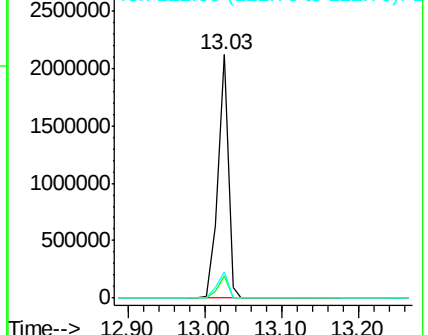
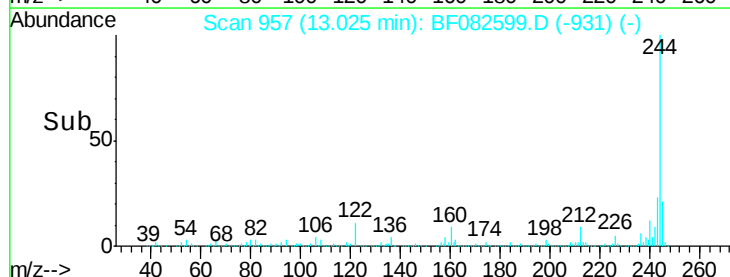
244 100

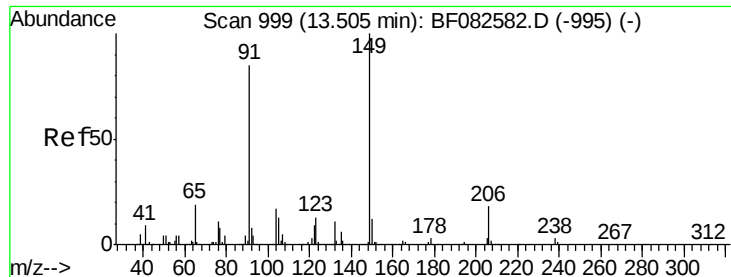
212 9.2 7.6 11.4

122 11.0 11.3 16.9#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

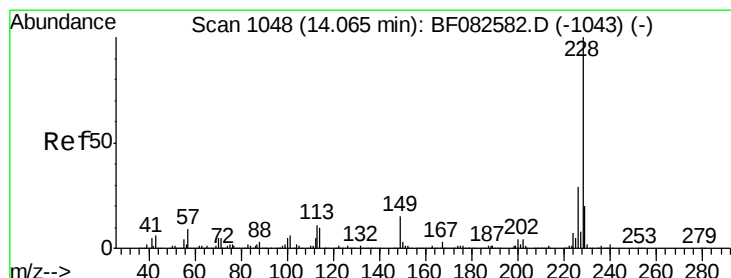
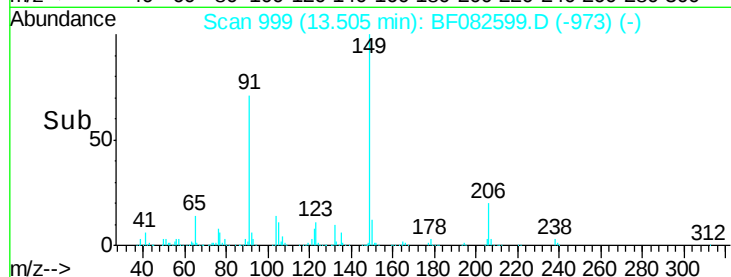
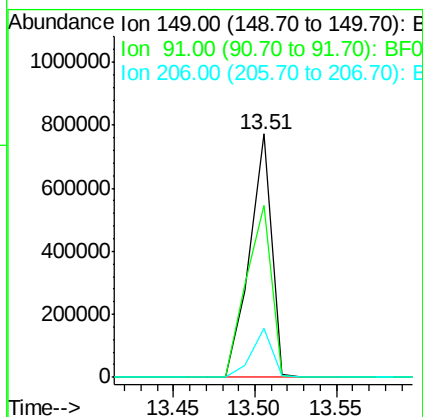
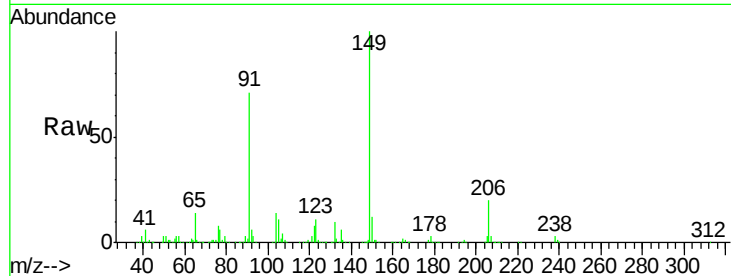




#79
Butylbenzylphthalate
Concen: 40.84 ng
RT: 13.51 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

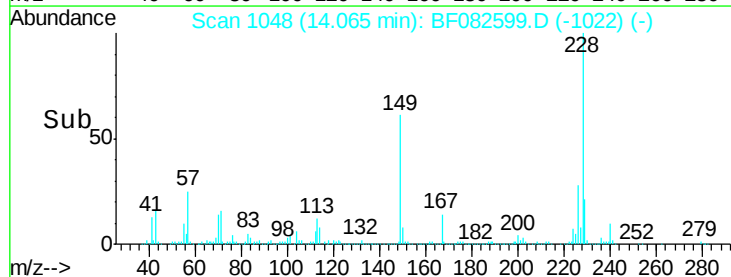
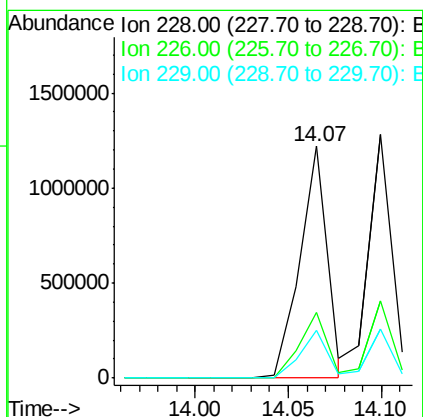
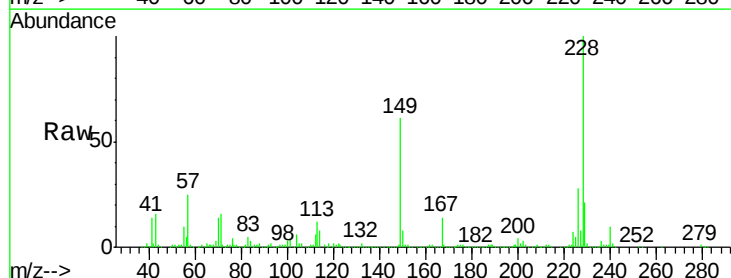
Instrument :
BNA_F
ClientSampleId :
PB86309BS

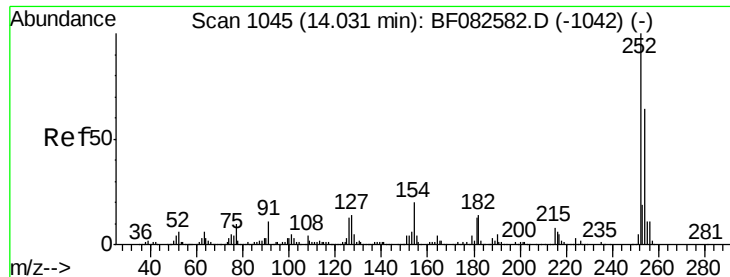
Tgt Ion:149 Resp: 725098
Ion Ratio Lower Upper
149 100
91 70.6 67.7 101.5
206 20.4 14.6 22.0



#80
Benzo(a)anthracene
Concen: 35.93 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion:228 Resp: 1249464
Ion Ratio Lower Upper
228 100
226 28.2 23.4 35.2
229 20.5 16.3 24.5

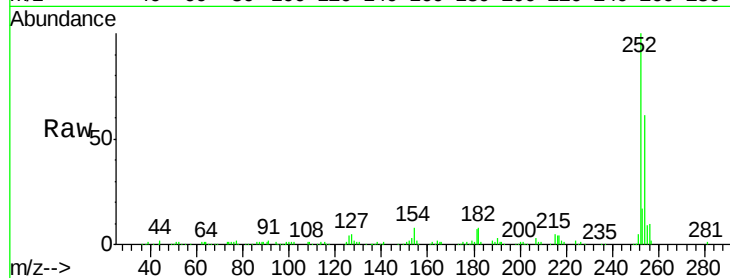




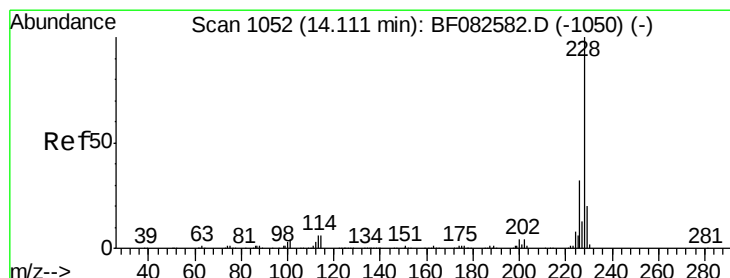
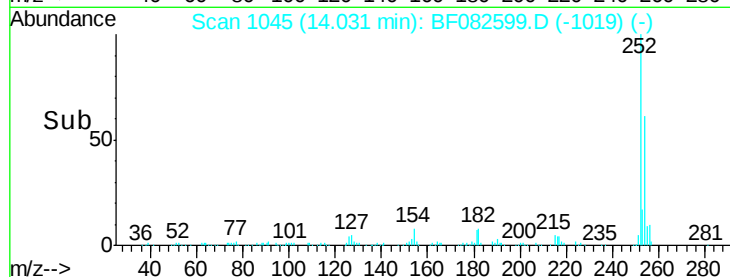
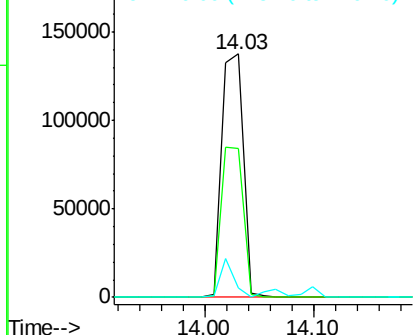
#81
 3,3'-Dichlorobenzidine
 Concen: 15.86 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.4	51.4	77.0
126	4.0	10.7	16.1#

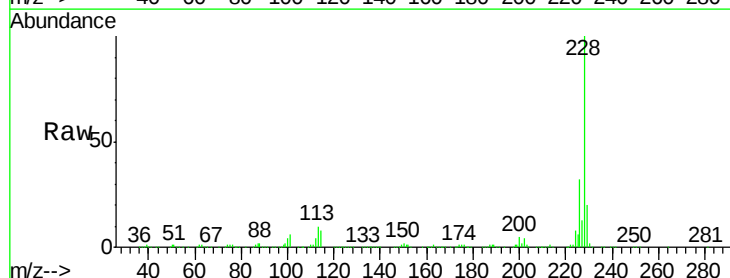


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

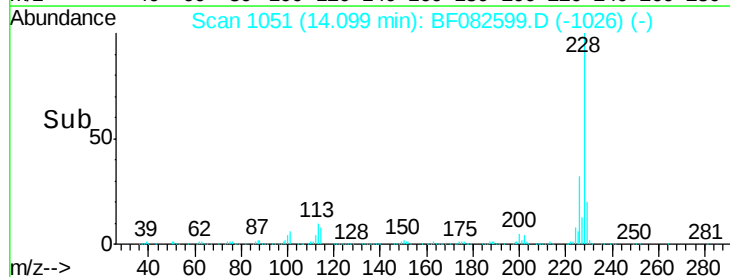
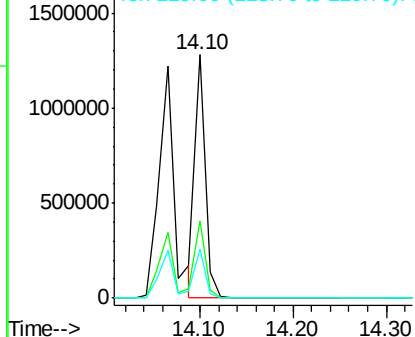


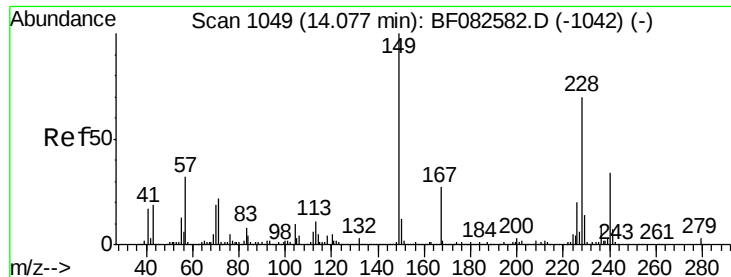
#82
 Chrysene
 Concen: 31.32 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.5	38.3
229	20.3	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

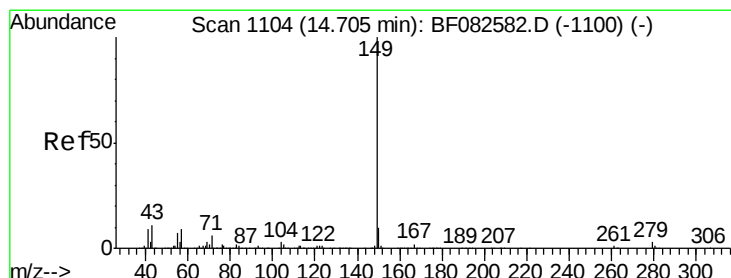
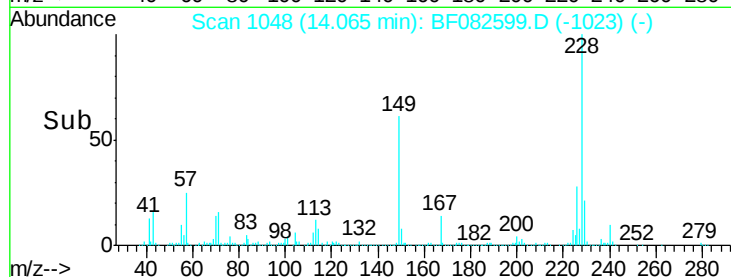
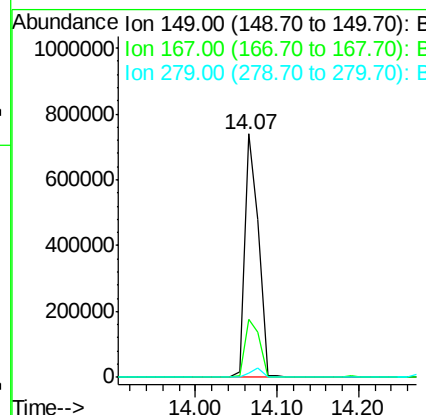
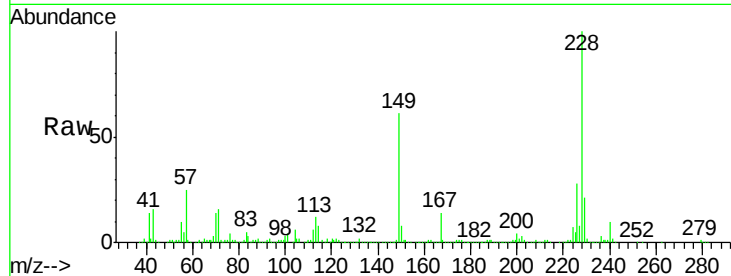




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.33 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

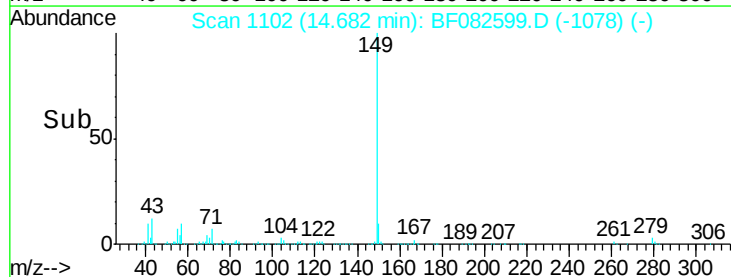
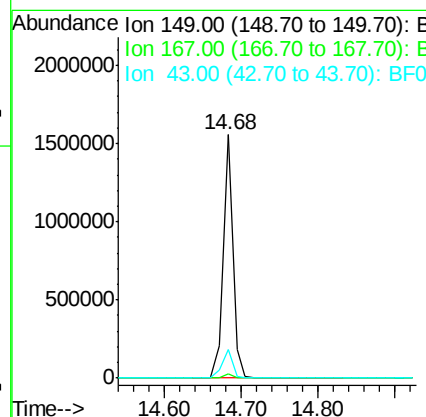
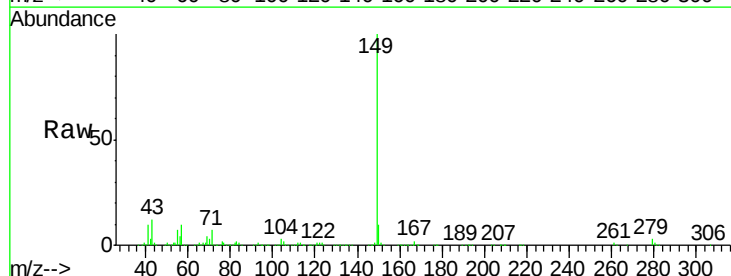
Instrument :
 BNA_F
 ClientSampleId :
 PB86309BS

Tgt Ion:149 Resp: 859146
 Ion Ratio Lower Upper
 149 100
 167 23.8 21.2 31.8
 279 1.8 2.2 3.2#



#84
 Di-n-octyl phthalate
 Concen: 37.62 ng
 RT: 14.68 min Scan# 1102
 Delta R.T. -0.02 min
 Lab File: BF082599.D
 Acq: 31 Oct 2015 4:26

Tgt Ion:149 Resp: 1350594
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 12.4 10.1 15.1

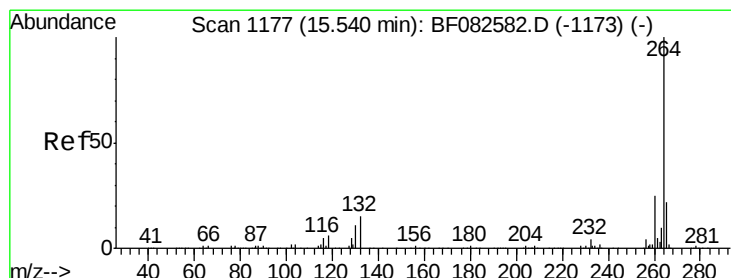
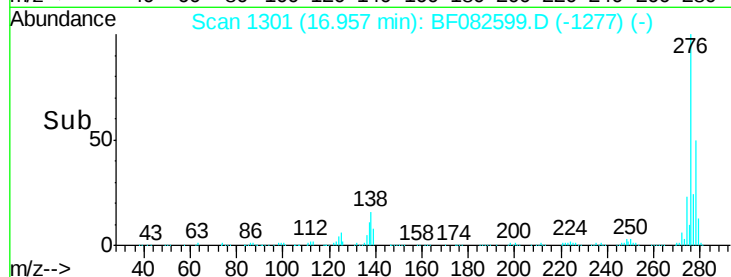
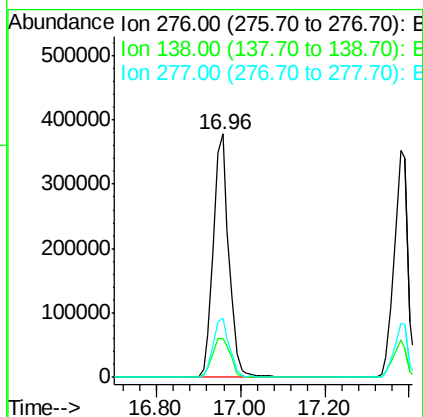
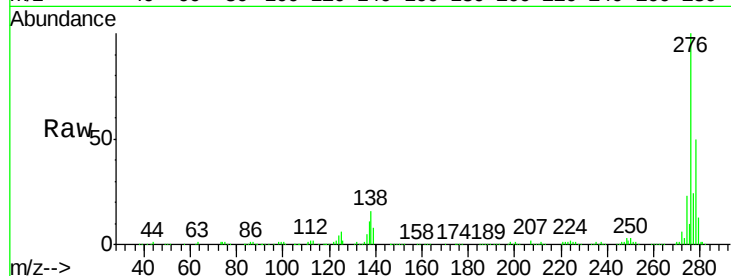




#85
Indeno(1,2,3-cd)pyrene
Concen: 37.81 ng
RT: 16.96 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

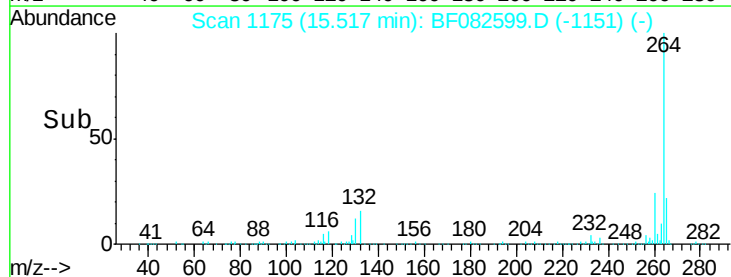
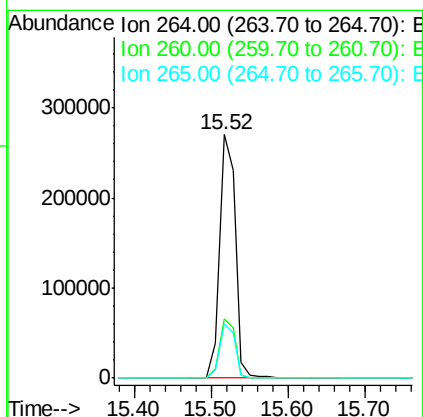
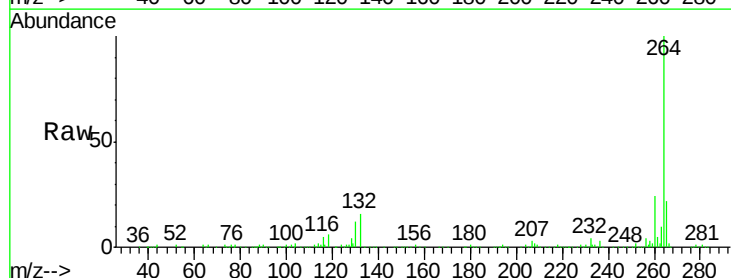
Instrument :
BNA_F
ClientSampleId :
PB86309BS

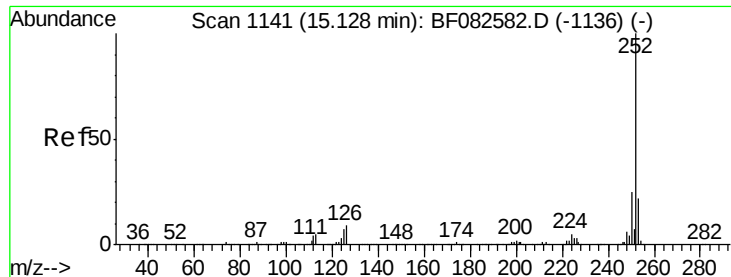
Tgt Ion: 276 Resp: 983303
Ion Ratio Lower Upper
276 100
138 18.4 15.3 22.9
277 25.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF082599.D
Acq: 31 Oct 2015 4:26

Tgt Ion: 264 Resp: 389453
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.6
265 22.4 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 34.77 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampled :

PB86309BS

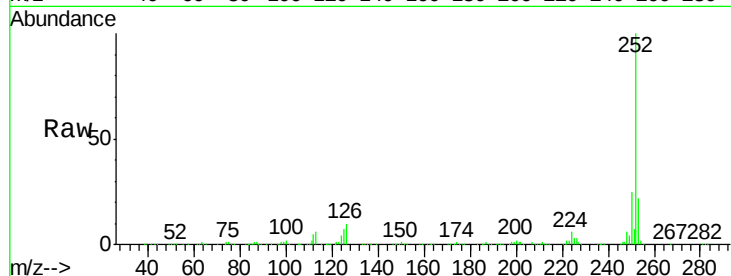
Tgt Ion:252 Resp: 933676

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

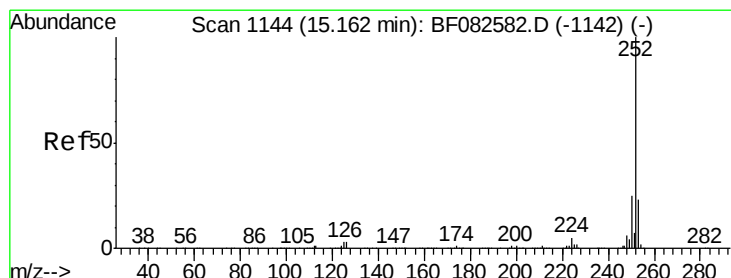
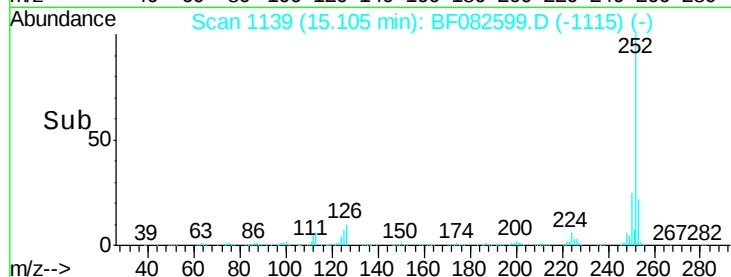
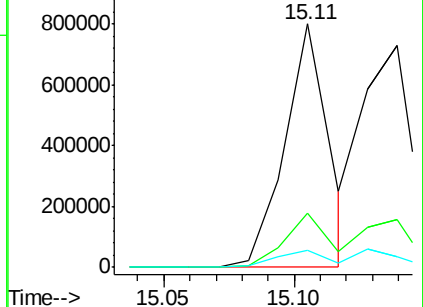
125 7.2 5.4 8.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 45.64 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

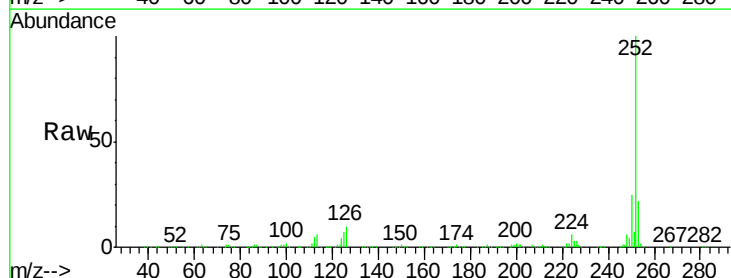
Tgt Ion:252 Resp: 933676

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

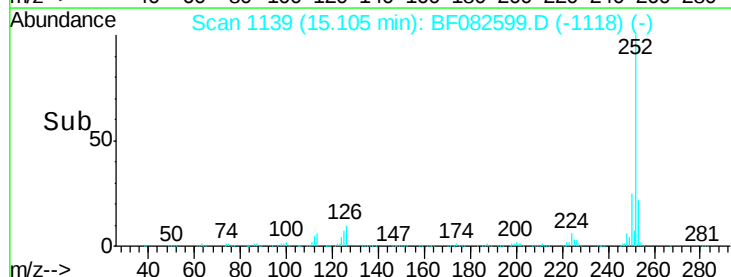
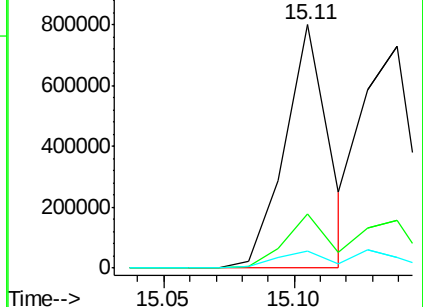
125 7.2 3.5 5.3#

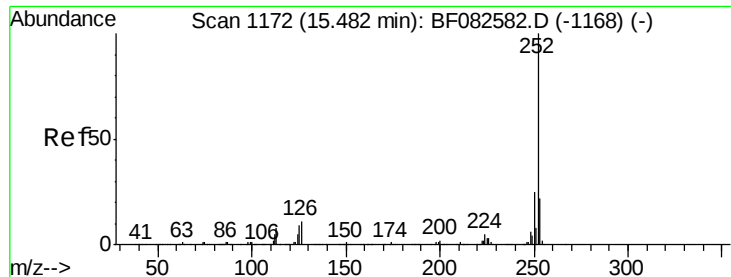


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.19 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

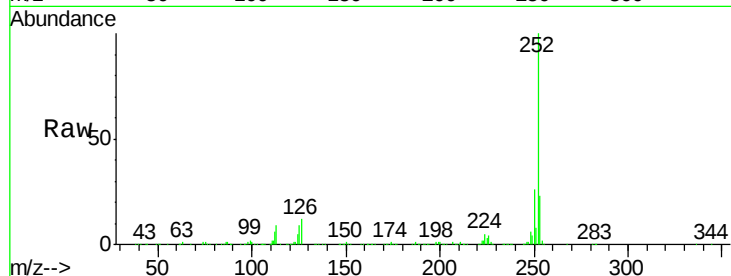
Tgt Ion:252 Resp: 850077

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

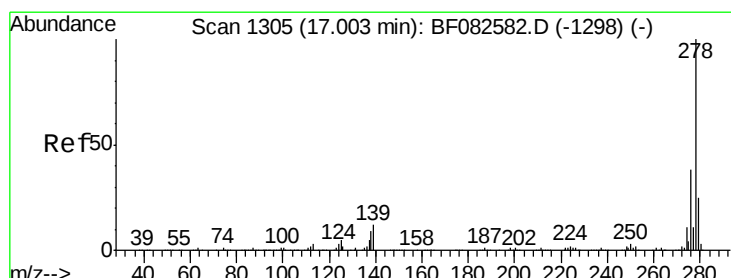
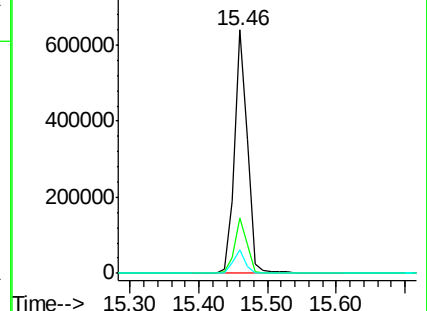
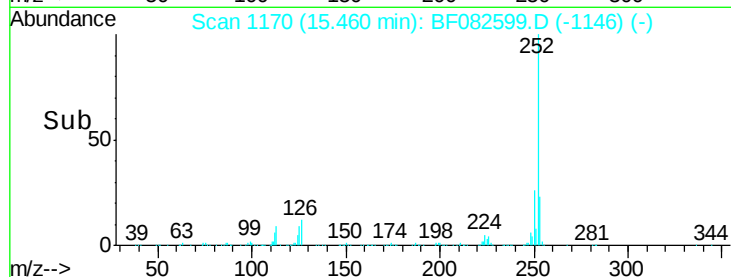
125 9.4 7.1 10.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 42.14 ng

RT: 16.97 min Scan# 1302

Delta R.T. -0.03 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

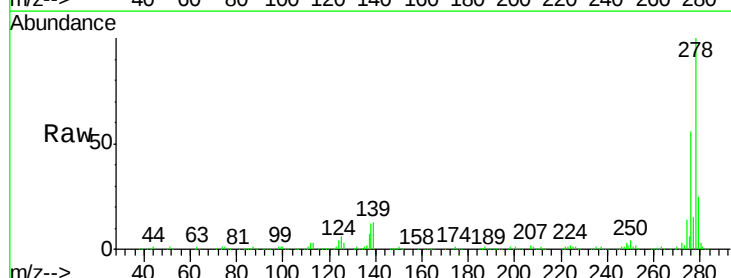
Tgt Ion:278 Resp: 831516

Ion Ratio Lower Upper

278 100

139 13.1 9.9 14.9

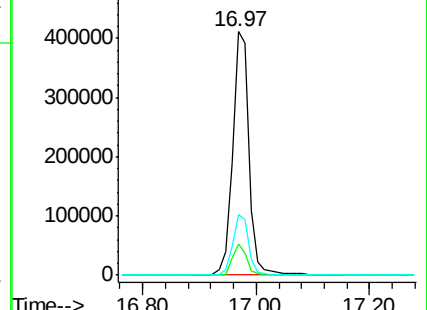
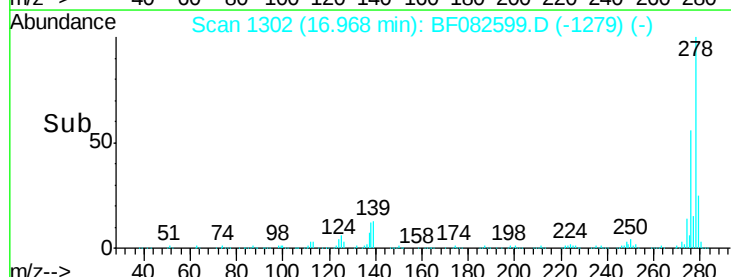
279 24.7 19.6 29.4

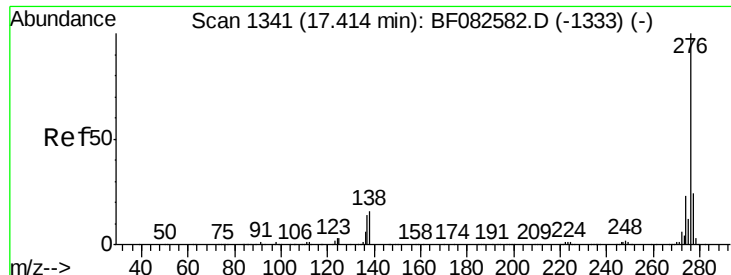


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 43.02 ng

RT: 17.38 min Scan# 1338

Delta R.T. -0.03 min

Lab File: BF082599.D

Acq: 31 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

PB86309BS

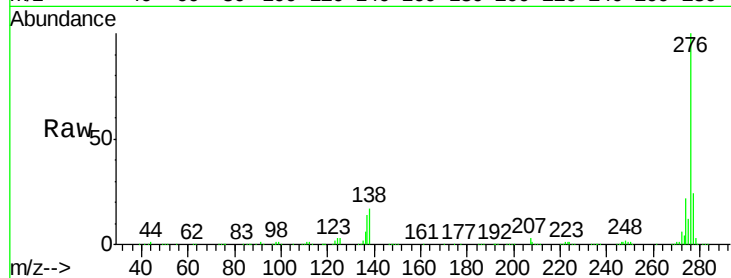
Tgt Ion: 276 Resp: 822782

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 16.6 13.1 19.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

