

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085636.D
 Acq On : 21 Mar 2016 21:50
 Operator : UM/SJ
 Sample : H1841-10MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Quant Time: Mar 22 00:13:10 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121813	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	470165	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	202602	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	309708	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	243147	20.00	ng	-0.01
86) Perylene-d12	15.42	264	237547	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	814910	112.37	ng	-0.01
7) Phenol-d6	6.48	99	1103979	118.69	ng	-0.01
23) Nitrobenzene-d5	7.41	82	708823	87.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	249293	125.61	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1107545	96.52	ng	-0.01
78) Terphenyl-d14	12.95	244	779007	77.10	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.45	88	83559	23.70	ng	98
3) Pyridine	3.18	79	254565	29.41	ng	98
4) n-Nitrosodimethylamine	3.12	42	141594	39.18	ng	97
6) Aniline	6.50	93	452146	36.19	ng	# 87
8) 2-Chlorophenol	6.63	128	359088	42.80	ng	99
9) Benzaldehyde	6.39	77	54390	9.47	ng	95
10) Phenol	6.49	94	384123	36.26	ng	84
11) bis(2-Chloroethyl)ether	6.58	93	339766	42.54	ng	99
12) 1,3-Dichlorobenzene	7.02	146	324757	35.52	ng	99
13) 1,4-Dichlorobenzene	6.86	146	335932	36.02	ng	99
14) 1,2-Dichlorobenzene	7.02	146	324989	39.25	ng	97
15) Benzyl Alcohol	6.98	79	287719	45.16	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.12	45	425337	40.50	ng	98
17) 2-Methylphenol	7.11	107	309699	44.53	ng	99
18) Hexachloroethane	7.35	117	118704	35.25	ng	# 77
19) n-Nitroso-di-n-propylamine	7.27	70	240041	43.20	ng	95
20) 3+4-Methylphenols	7.26	107	325473	40.41	ng	96
22) Acetophenone	7.26	105	437182	39.18	ng	# 98
24) Nitrobenzene	7.43	77	360043	40.61	ng	98
25) Isophorone	7.67	82	682784	42.10	ng	99
26) 2-Nitrophenol	7.75	139	201882	46.07	ng	95
27) 2,4-Dimethylphenol	7.78	122	324059	41.82	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	439705	47.67	ng	99
29) 2,4-Dichlorophenol	7.99	162	288860	45.14	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	286299	39.94	ng	98
31) Naphthalene	8.15	128	923485	38.91	ng	100
32) Benzoic acid	7.90	122	117379	18.12	ng	87
33) 4-Chloroaniline	8.21	127	358570	36.86	ng	97
34) Hexachlorobutadiene	8.28	225	150149	39.31	ng	99
35) Caprolactam	8.57	113	98806	44.88	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	305902	40.93	ng	97
37) 2-Methylnaphthalene	8.85	142	679734	46.99	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	250369	40.74	ng	99
40) Hexachlorocyclopentadiene	9.00	237	110582	39.92	ng	99

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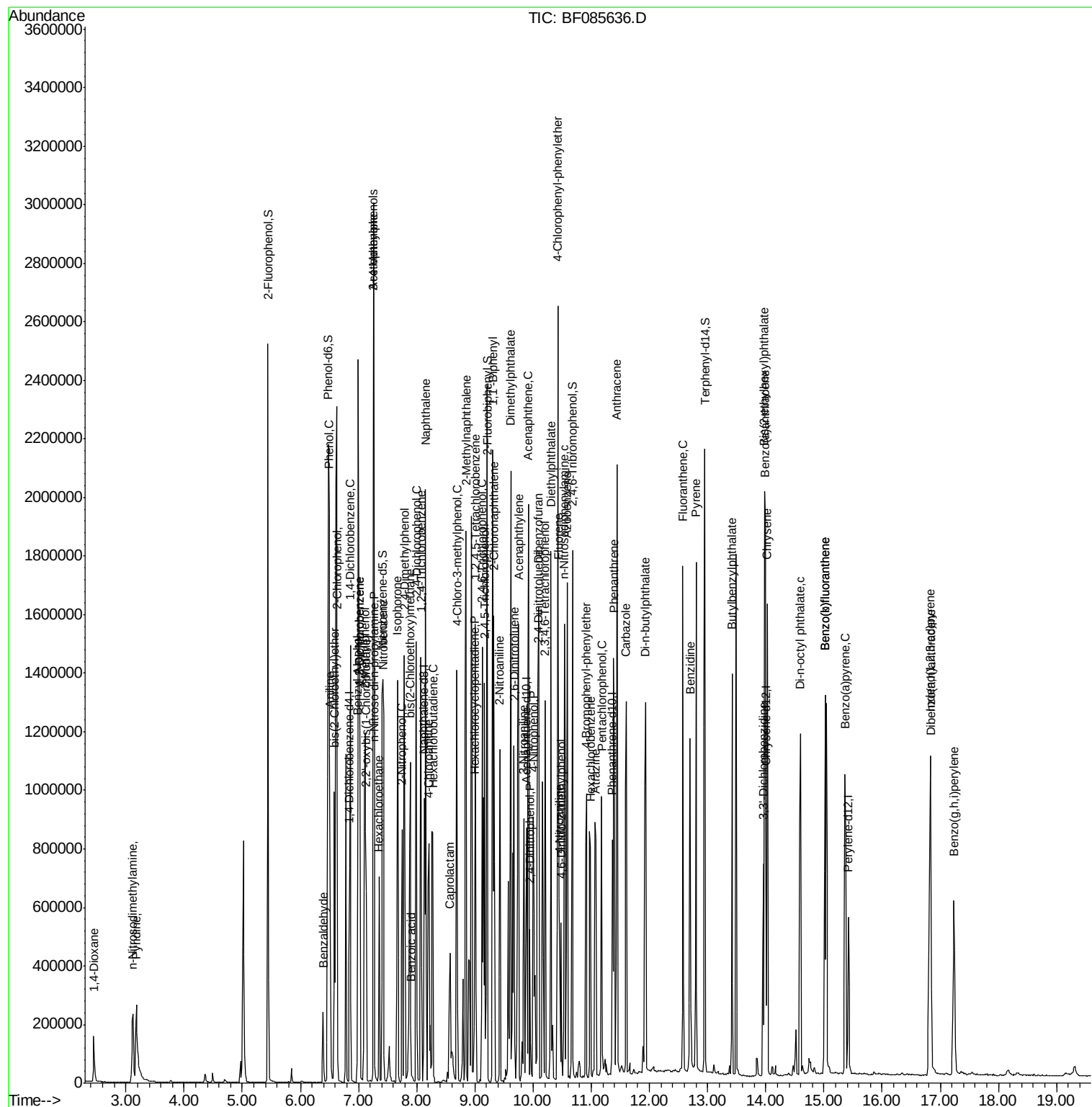
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	191342	45.48	ng	99
43) 2,4,5-Trichlorophenol	9.17	196	199718	46.65	ng	# 92
45) 1,1'-Biphenyl	9.30	154	687672	39.35	ng	98
46) 2-Chloronaphthalene	9.33	162	546455	42.80	ng	# 91
47) 2-Nitroaniline	9.43	65	195073	50.51	ng	96
48) Acenaphthylene	9.75	152	916678	44.37	ng	99
49) Dimethylphthalate	9.61	163	946925	61.94	ng	100
50) 2,6-Dinitrotoluene	9.67	165	139921	43.35	ng	95
51) Acenaphthene	9.92	154	590623	45.55	ng	99
52) 3-Nitroaniline	9.84	138	162886	40.29	ng	91
53) 2,4-Dinitrophenol	9.94	184	65769	33.26	ng	100
54) Dibenzofuran	10.09	168	789040	49.97	ng	97
55) 4-Nitrophenol	10.00	139	222675	71.27	ng	89
56) 2,4-Dinitrotoluene	10.08	165	188741	44.66	ng	96
57) Fluorene	10.44	166	569029	43.24	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	142600	46.26	ng	99
59) Diethylphthalate	10.31	149	720969	47.43	ng	99
60) 4-Chlorophenyl-phenylether	10.42	204	287915	44.81	ng	93
61) 4-Nitroaniline	10.45	138	144331	36.22	ng	87
62) Azobenzene	10.58	77	693662	47.56	ng	96
64) 4,6-Dinitro-2-methylphenol	10.48	198	58639	29.59	ng	91
65) n-Nitrosodiphenylamine	10.54	169	501704	52.00	ng	99
66) 4-Bromophenyl-phenylether	10.92	248	170464	55.10	ng	# 89
67) Hexachlorobenzene	10.98	284	166466	50.64	ng	# 89
68) Atrazine	11.08	200	168492	57.36	ng	96
69) Pentachlorophenol	11.18	266	169989	85.18	ng	98
70) Phenanthrene	11.38	178	763684	46.77	ng	99
71) Anthracene	11.44	178	767697	44.84	ng	99
72) Carbazole	11.60	167	716026	48.47	ng	97
73) Di-n-butylphthalate	11.93	149	930637	50.31	ng	98
74) Fluoranthene	12.57	202	657941	38.48	ng	97
76) Benzidine	12.70	184	460273	56.29	ng	98
77) Pyrene	12.80	202	680064	38.95	ng	99
79) Butylbenzylphthalate	13.42	149	315363	37.90	ng	# 76
80) Benzo(a)anthracene	13.99	228	618757	43.84	ng	99
81) 3,3'-Dichlorobenzidine	13.96	252	184964	35.76	ng	# 97
82) Chrysene	14.03	228	499959	36.82	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	420384	40.66	ng	# 99
84) Di-n-octyl phthalate	14.60	149	772925	45.88	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	630419	55.56	ng	99
87) Benzo(b)fluoranthene	15.02	252	1214595	78.36	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	1215232	95.16	ng	99
89) Benzo(a)pyrene	15.36	252	602037	45.82	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	541999	49.45	ng	98
91) Benzo(g,h,i)perylene	17.24	276	497891	46.93	ng	97

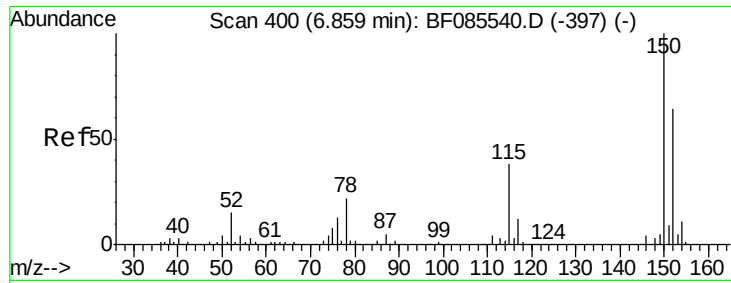
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

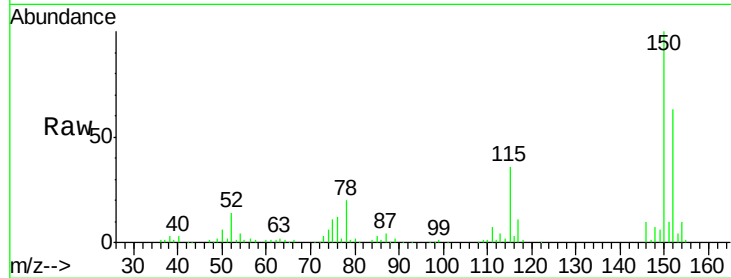
Tgt Ion:152 Resp: 121813

Ion Ratio Lower Upper

152 100

150 158.6 124.2 186.2

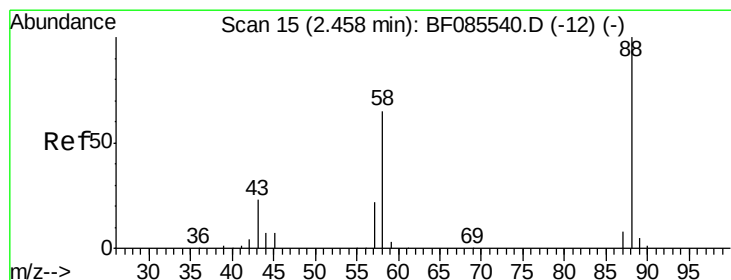
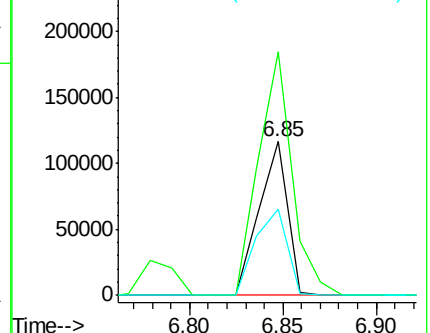
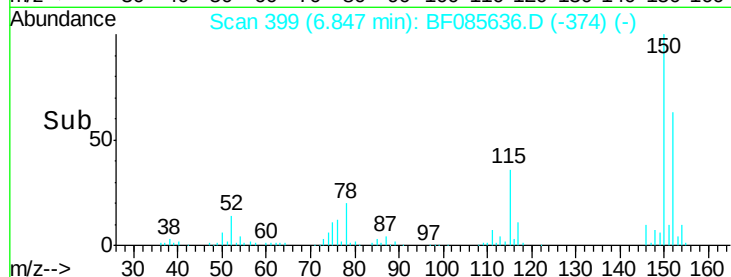
115 56.5 47.0 70.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 23.70 ng

RT: 2.45 min Scan# 14

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

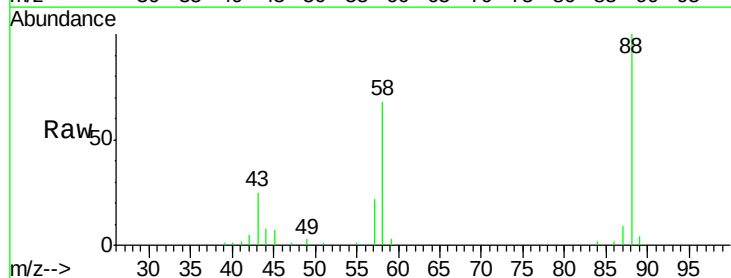
Tgt Ion: 88 Resp: 83559

Ion Ratio Lower Upper

88 100

58 68.3 54.2 81.2

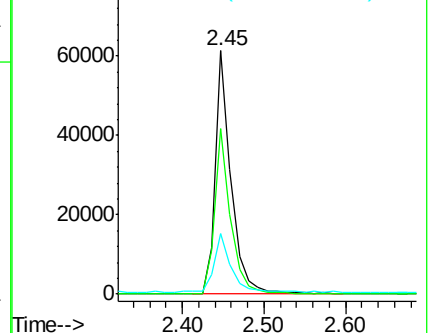
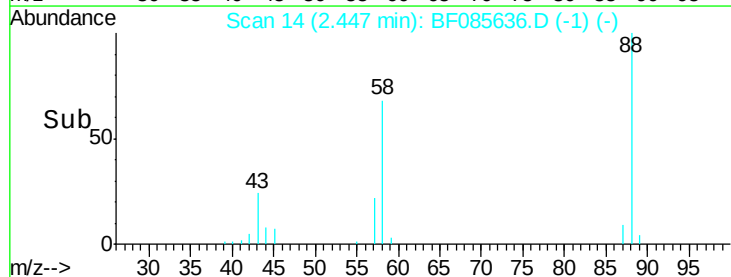
43 26.6 19.3 28.9

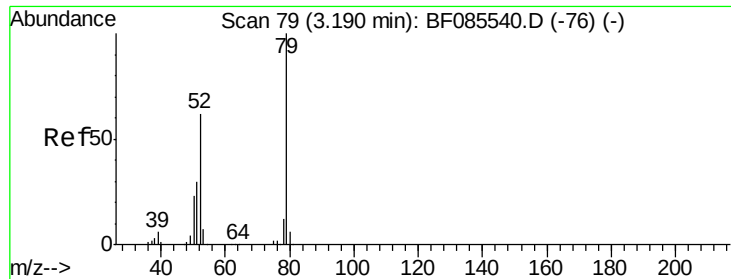


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 29.41 ng

RT: 3.18 min Scan# 78

Delta R.T. -0.01 min

Lab File: BF085636.D

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Instrument :

BNA_F

ClientSampleId :

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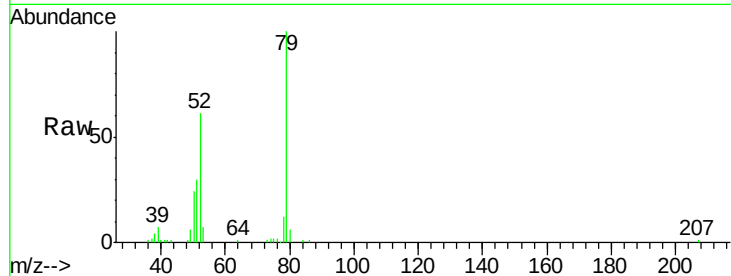
Tgt Ion: 79 Resp: 254565

Ion Ratio Lower Upper

79 100

52 61.0 49.8 74.6

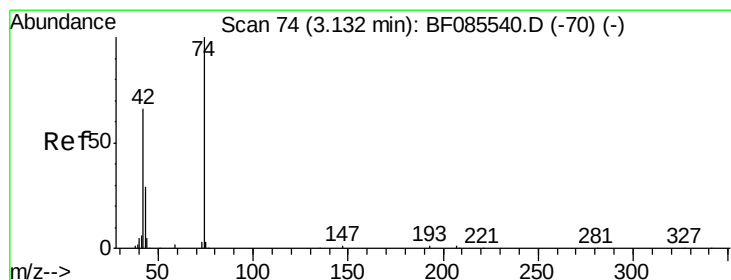
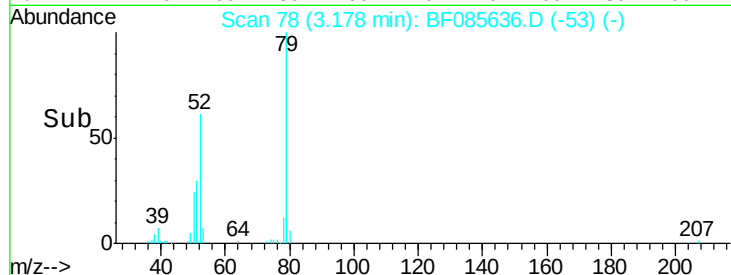
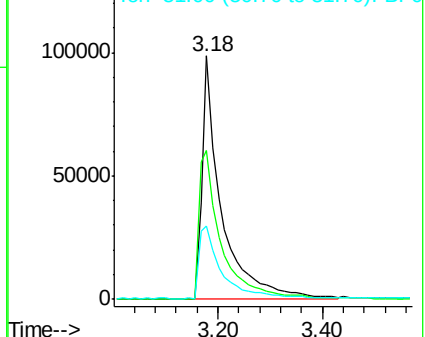
51 30.1 24.7 37.1



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: 39.18 ng

RT: 3.12 min Scan# 73

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

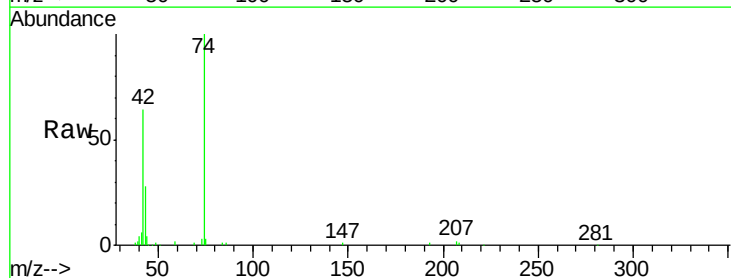
Tgt Ion: 42 Resp: 141594

Ion Ratio Lower Upper

42 100

74 155.9 121.4 182.2

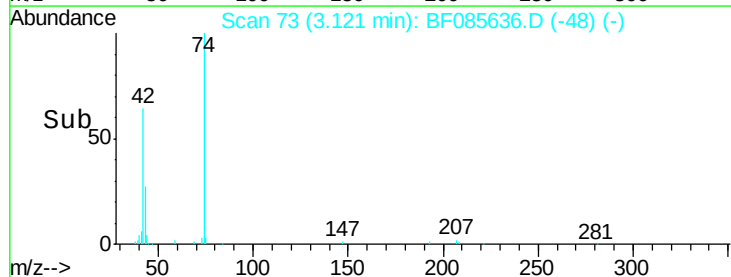
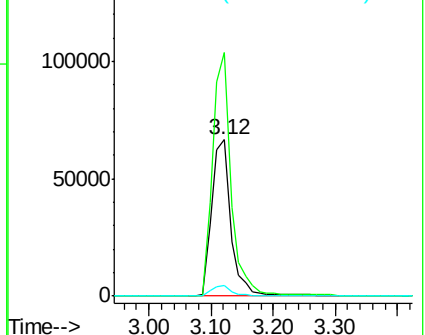
44 6.5 5.6 8.4

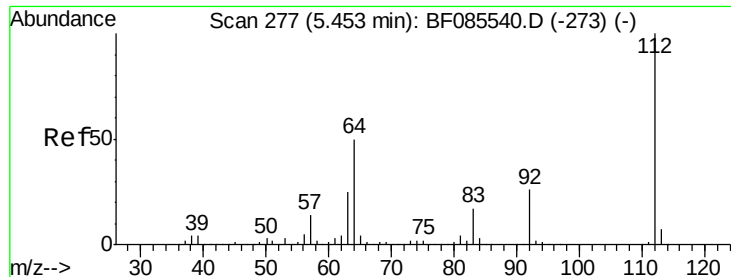


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 112.37 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

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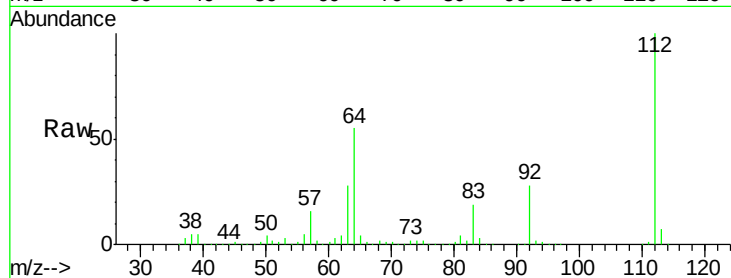
Tgt Ion: 112 Resp: 814910

Ion Ratio Lower Upper

112 100

64 55.0 39.9 59.9

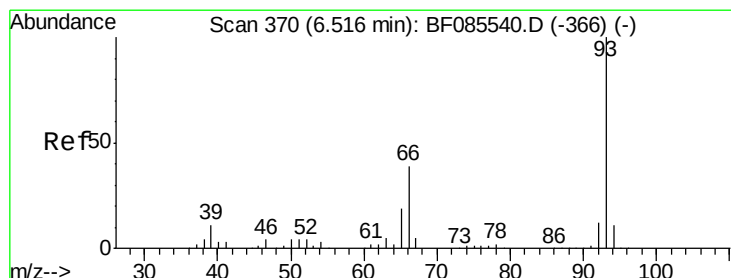
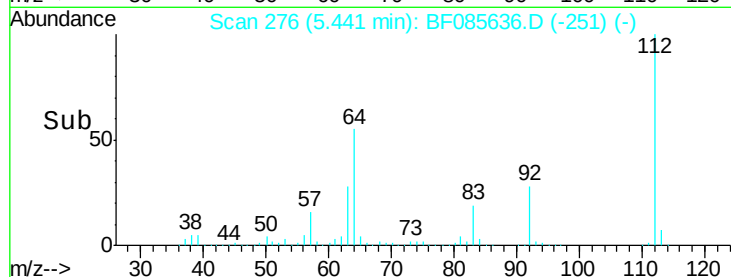
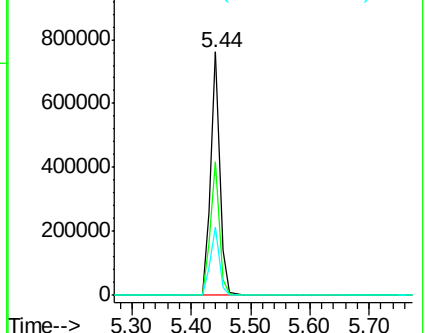
63 28.1 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 36.19 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.01 min

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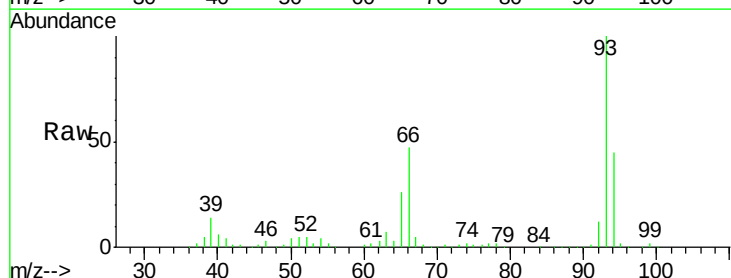
Tgt Ion: 93 Resp: 452146

Ion Ratio Lower Upper

93 100

66 47.0 31.4 47.2

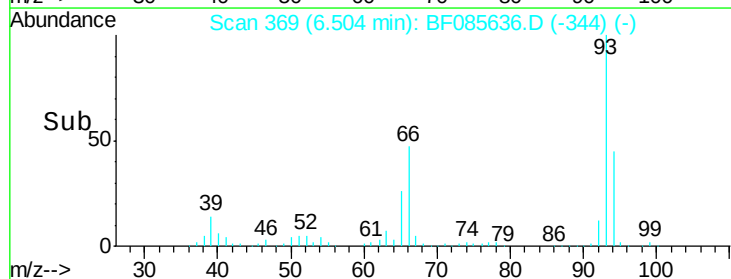
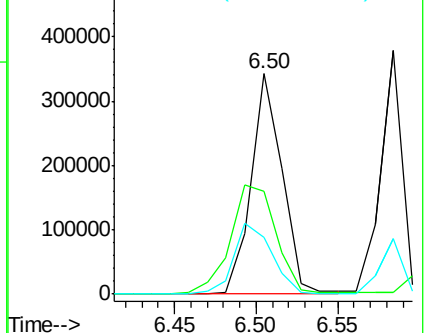
65 25.8 15.7 23.5#

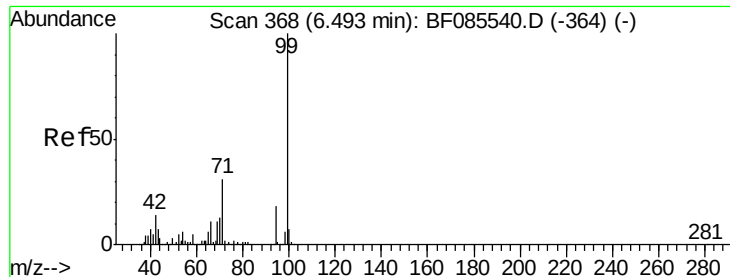


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.69 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

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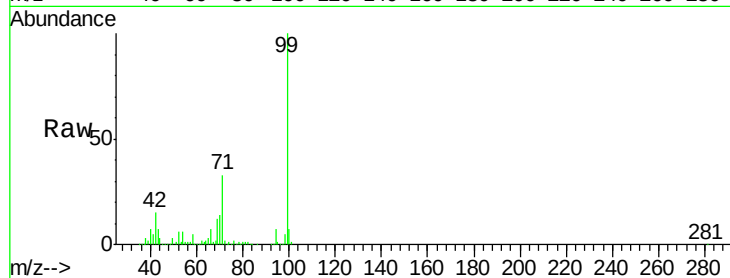
Tgt Ion: 99 Resp: 1103979

Ion Ratio Lower Upper

99 100

42 15.2 11.1 16.7

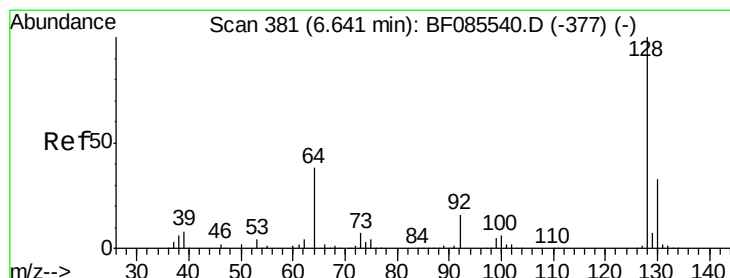
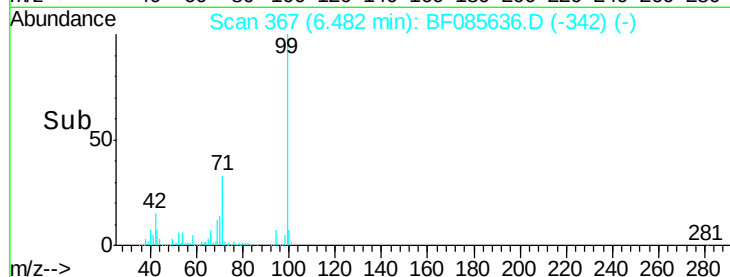
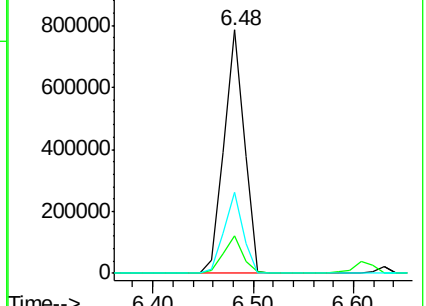
71 33.2 24.9 37.3



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: 42.80 ng

RT: 6.63 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

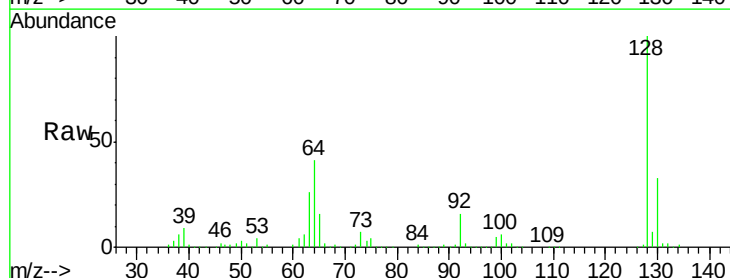
Tgt Ion: 128 Resp: 359088

Ion Ratio Lower Upper

128 100

130 33.0 12.9 52.9

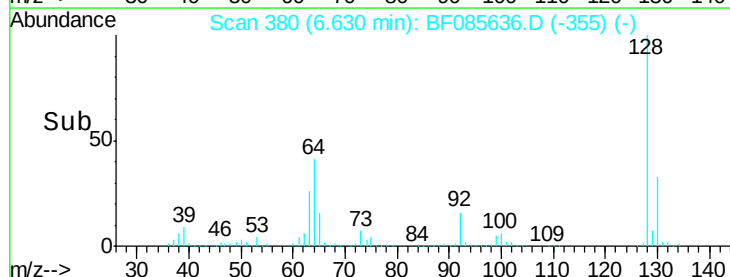
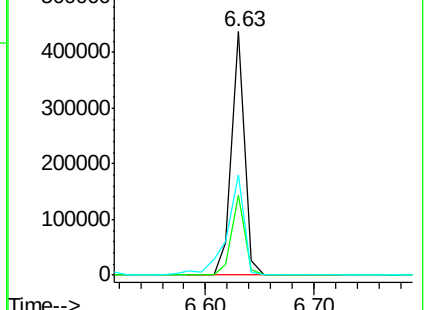
64 41.2 20.2 60.2

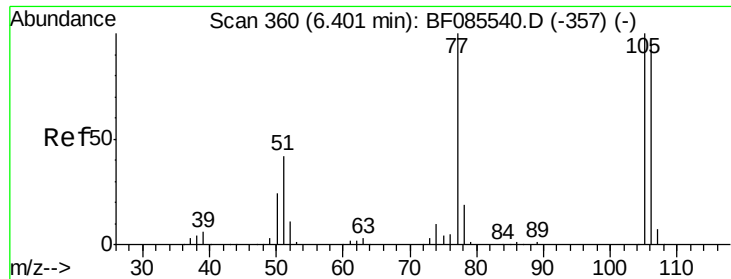


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 9.47 ng

RT: 6.39 min Scan# 359

Delta R.T. -0.01 min

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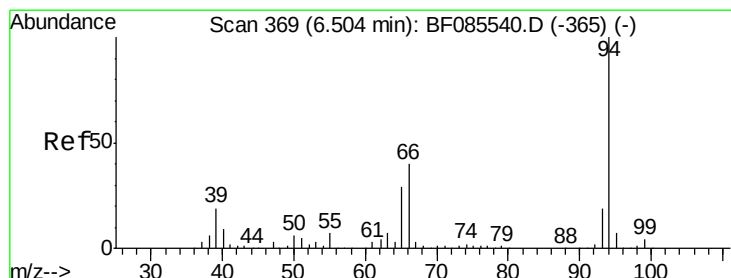
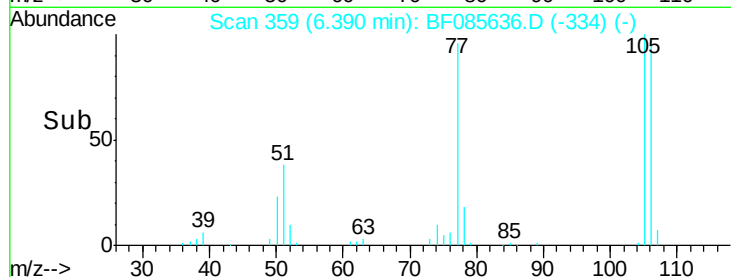
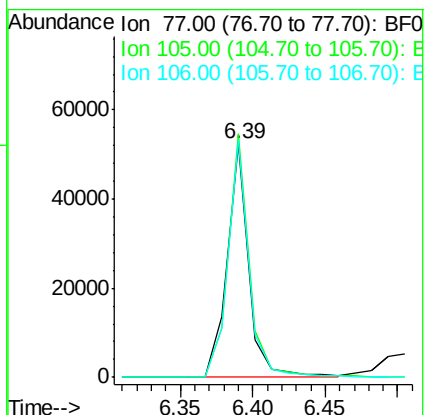
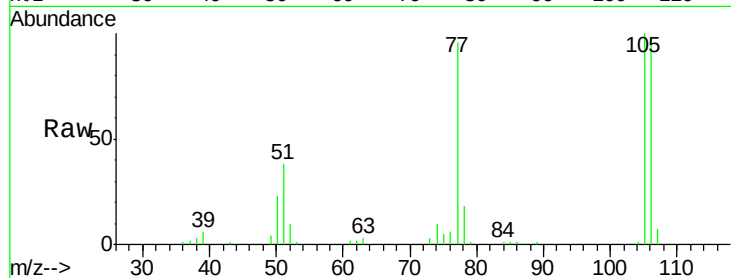
Tgt Ion: 77 Resp: 54390

Ion Ratio Lower Upper

77 100

105 104.1 80.1 120.1

106 101.6 75.0 115.0



#10

Phenol

Concen: 36.26 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

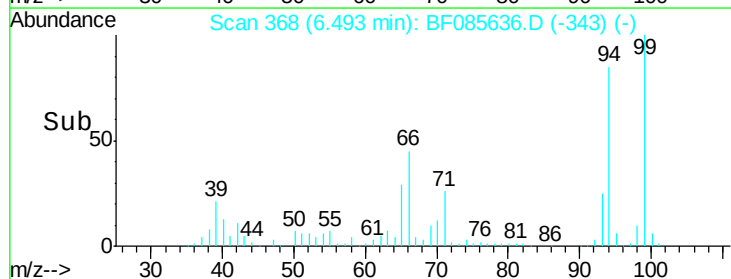
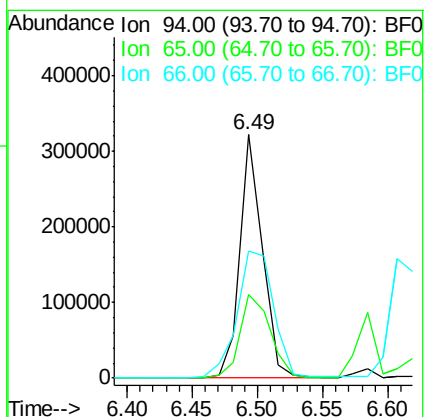
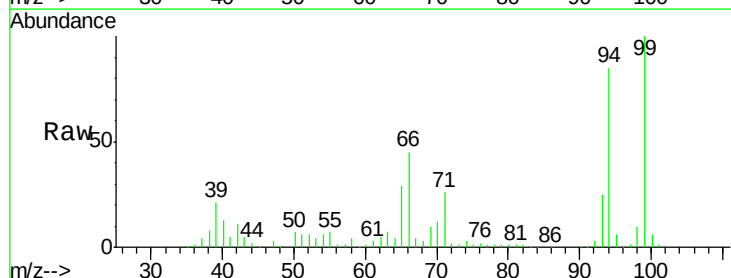
Tgt Ion: 94 Resp: 384123

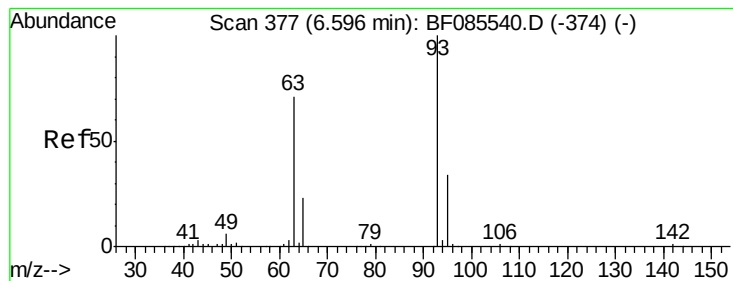
Ion Ratio Lower Upper

94 100

65 34.3 8.6 48.6

66 52.4 20.0 60.0

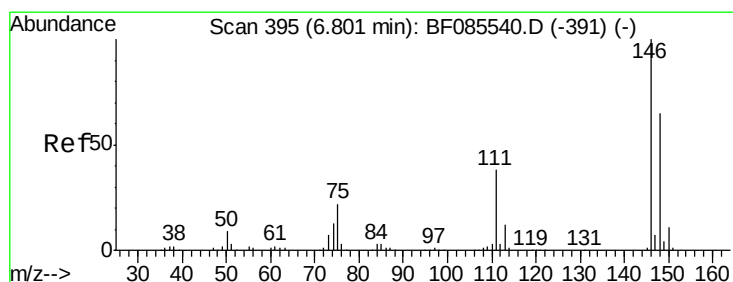
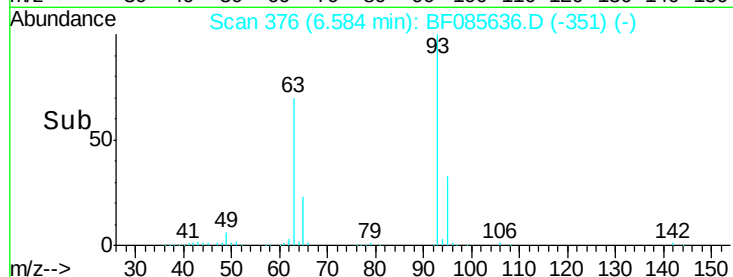
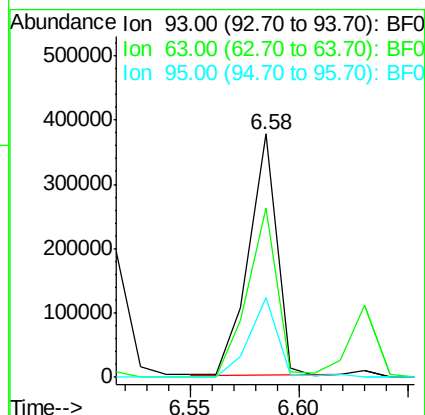
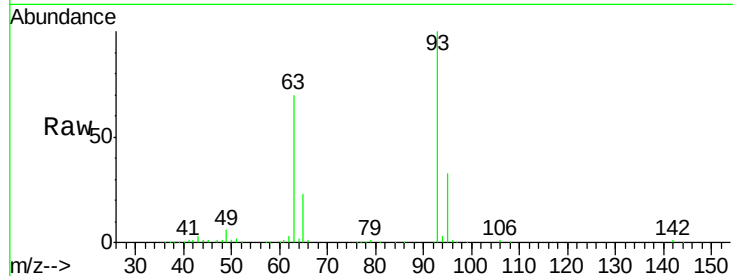




#11
bis(2-Chloroethyl)ether
Concen: 42.54 ng
RT: 6.58 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

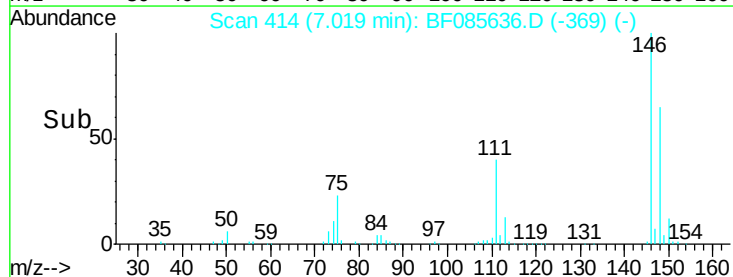
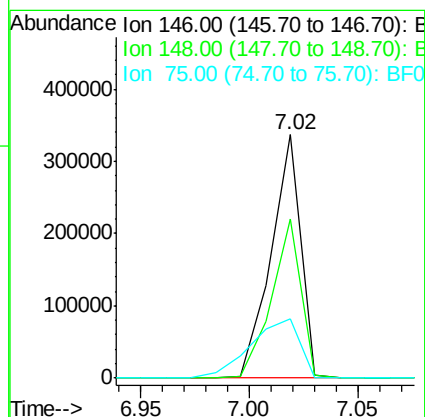
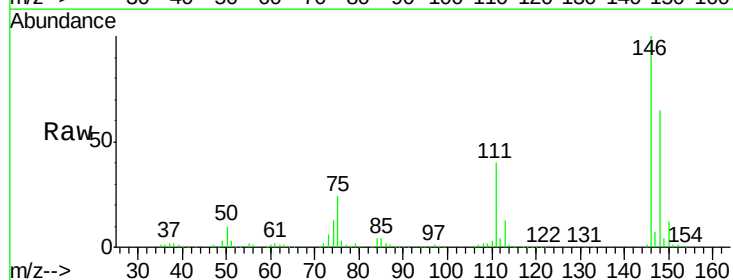
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

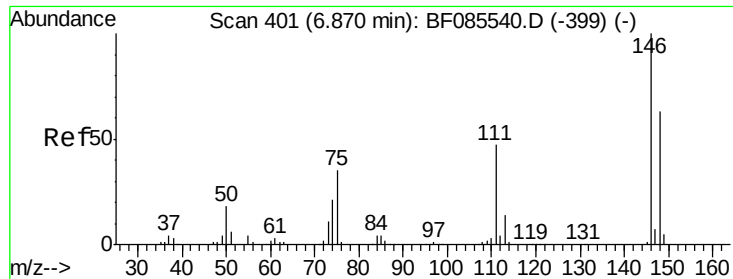
Tgt Ion: 93 Resp: 339766
Ion Ratio Lower Upper
93 100
63 69.7 50.9 90.9
95 32.7 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 35.52 ng
RT: 7.02 min Scan# 414
Delta R.T. 0.22 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion: 146 Resp: 324757
Ion Ratio Lower Upper
146 100
148 65.2 52.3 78.5
75 24.3 17.4 26.2

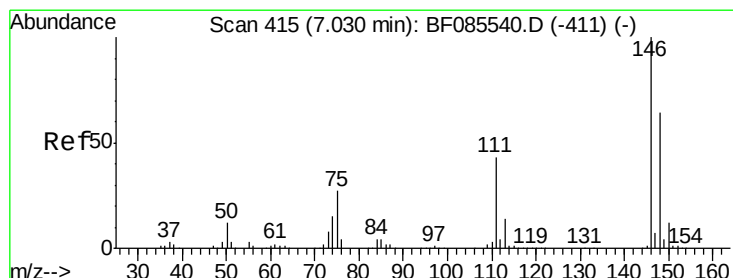
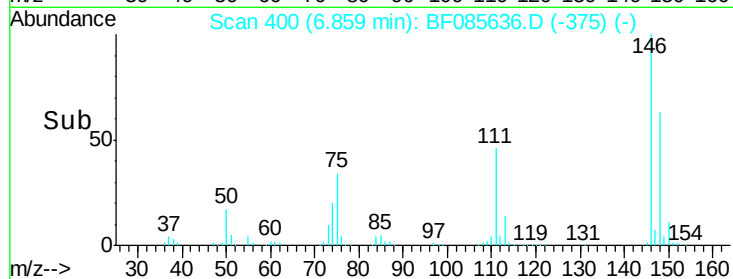
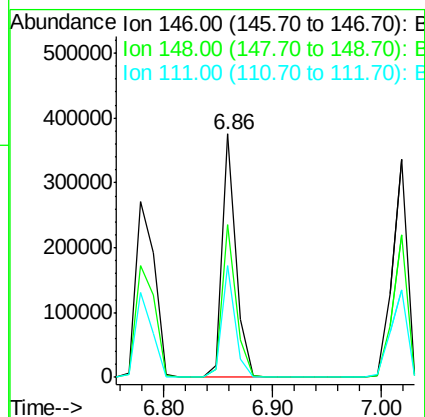
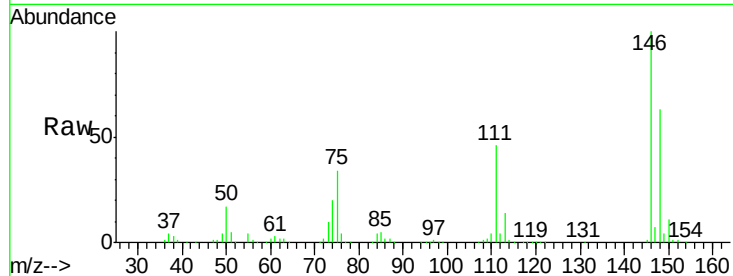




#13
 1,4-Dichlorobenzene
 Concen: 36.02 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

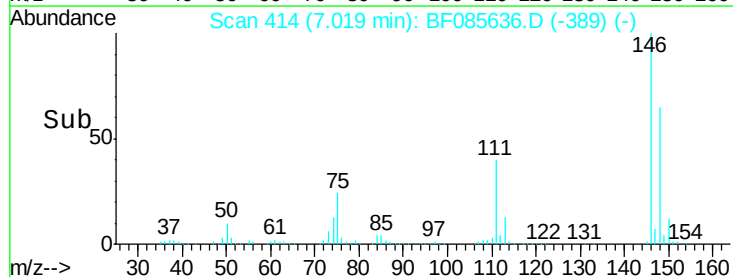
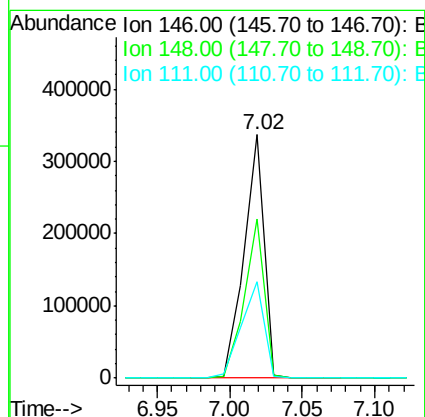
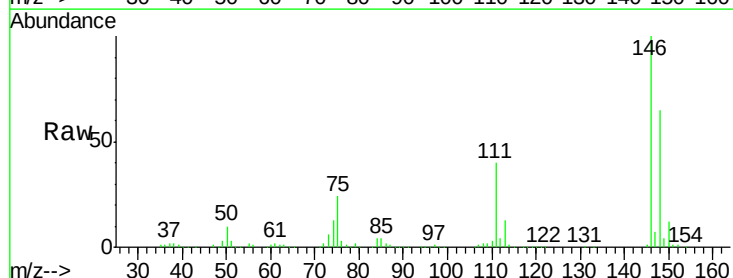
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

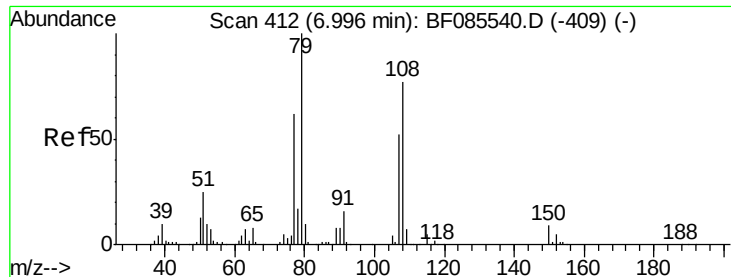
Tgt Ion:146 Resp: 335932
 Ion Ratio Lower Upper
 146 100
 148 62.7 50.6 76.0
 111 46.0 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 39.25 ng
 RT: 7.02 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:146 Resp: 324989
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.4 77.2
 111 39.8 34.6 52.0





#15

Benzyl Alcohol

Concen: 45.16 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

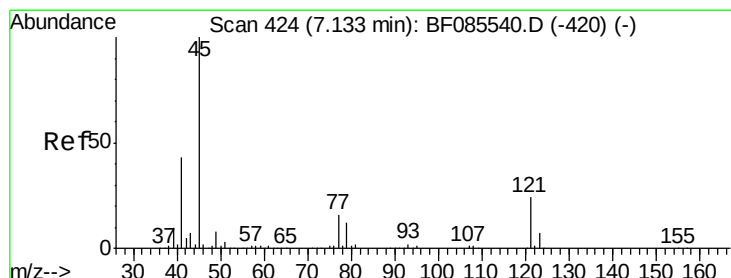
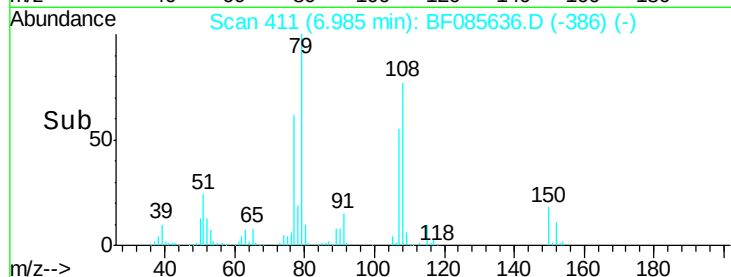
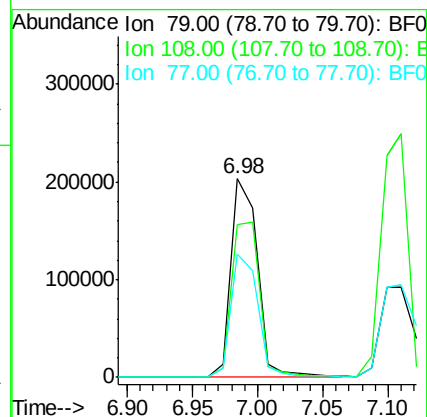
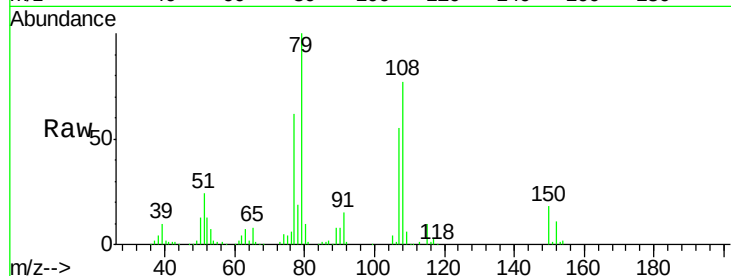
Tgt Ion: 79 Resp: 287719

Ion Ratio Lower Upper

79 100

108 76.9 61.8 92.6

77 62.0 49.6 74.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.50 ng

RT: 7.12 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

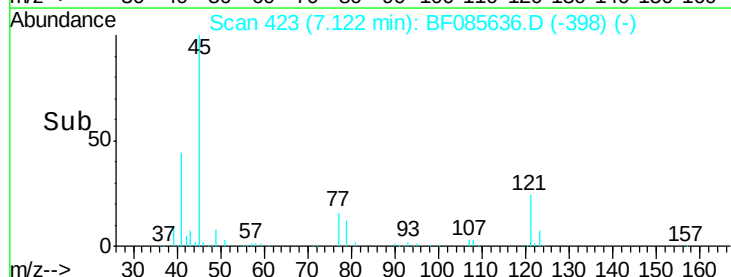
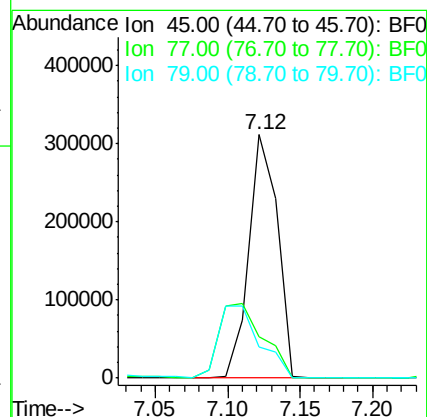
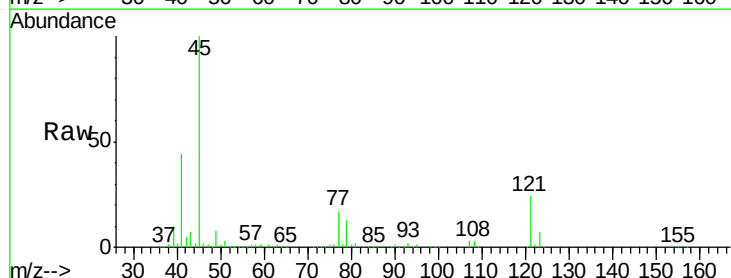
Tgt Ion: 45 Resp: 425337

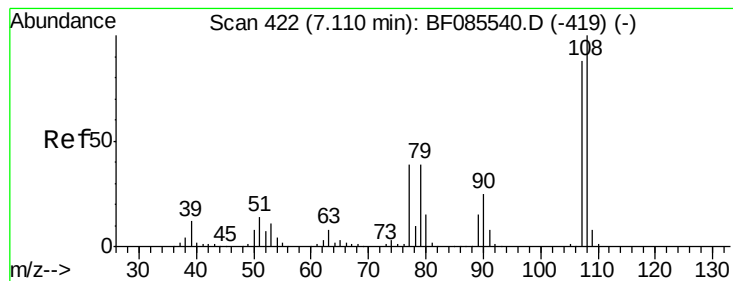
Ion Ratio Lower Upper

45 100

77 16.8 0.0 35.7

79 12.8 0.0 32.2





#17

2-Methylphenol

Concen: 44.53 ng

RT: 7.11 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:107 Resp: 309699

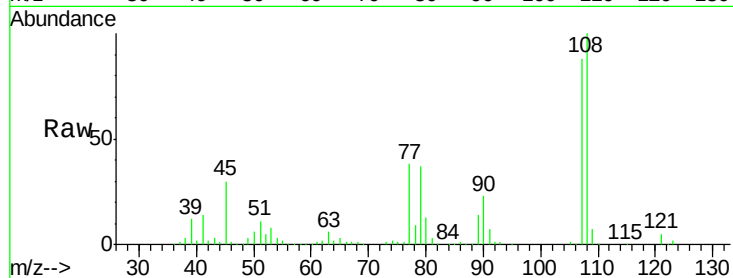
Ion Ratio Lower Upper

107 100

108 114.1 91.4 137.0

77 43.6 36.2 54.2

79 42.3 35.8 53.8

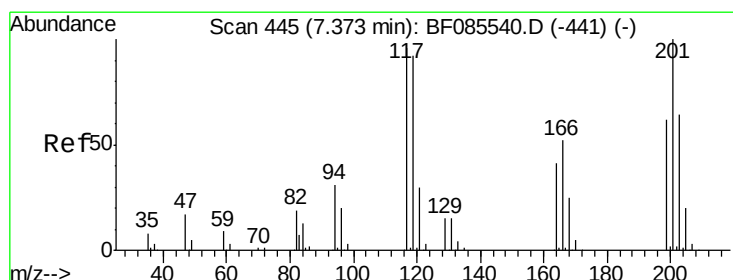
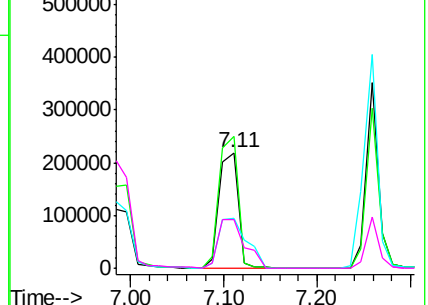
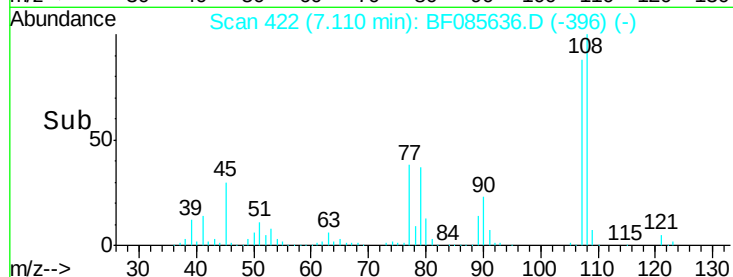


Abundance Ion 107.00 (106.70 to 107.70): E

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: 35.25 ng

RT: 7.35 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

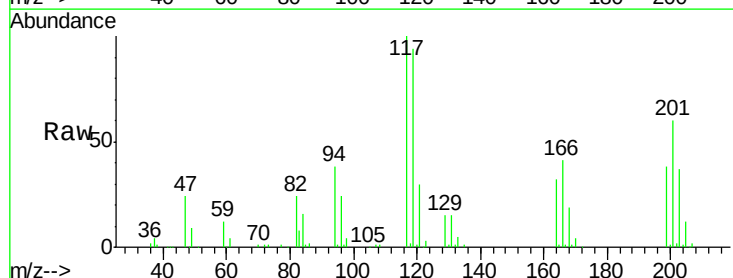
Tgt Ion:117 Resp: 118704

Ion Ratio Lower Upper

117 100

119 94.5 76.7 115.1

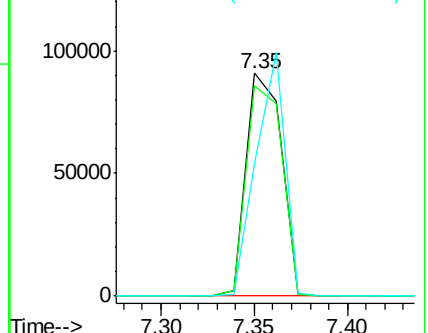
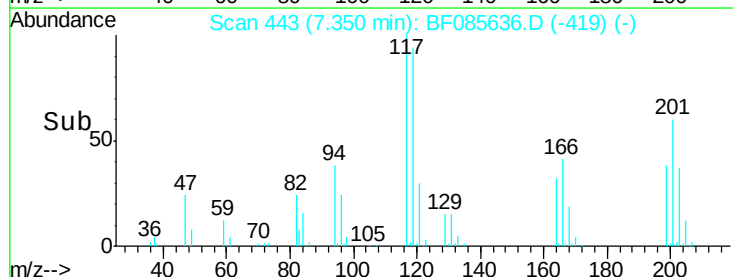
201 59.6 83.3 124.9#

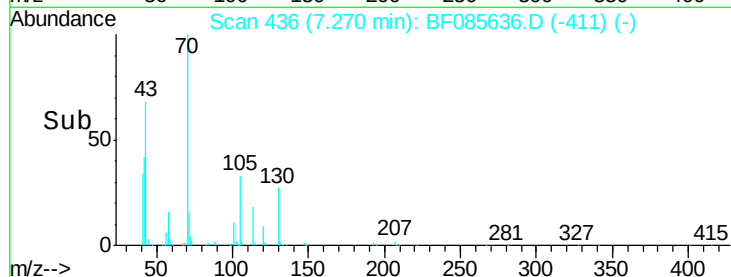
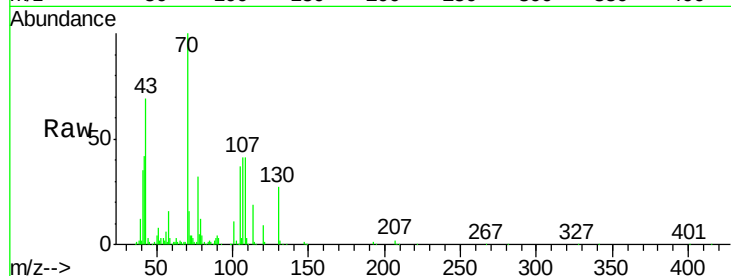
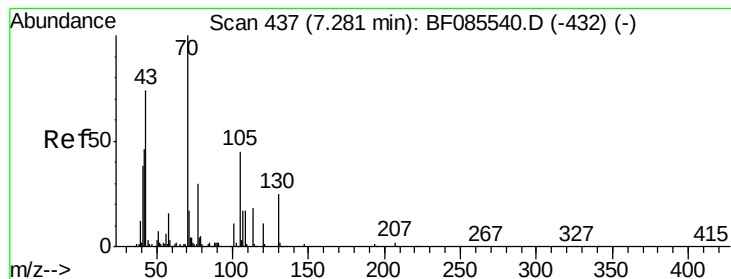


Abundance Ion 117.00 (116.70 to 117.70): E

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: 43.20 ng

RT: 7.27 min Scan# 436

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

Tgt Ion: 70 Resp: 240041

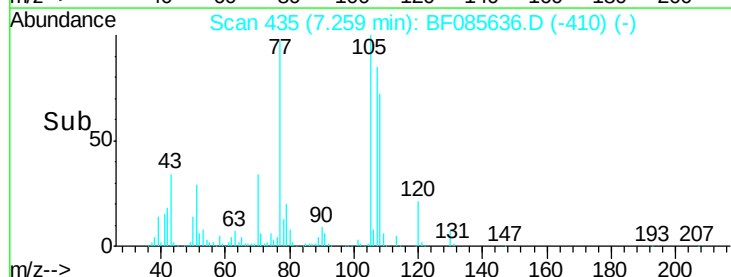
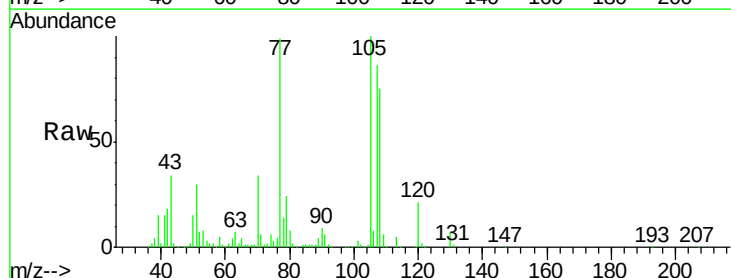
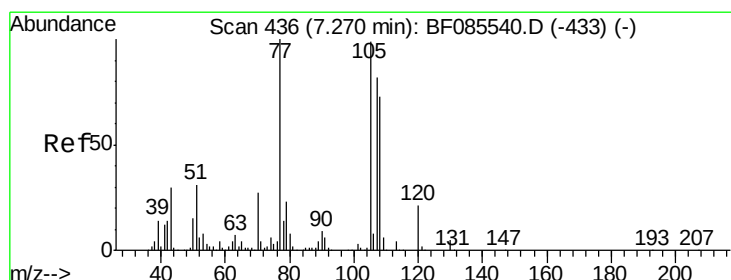
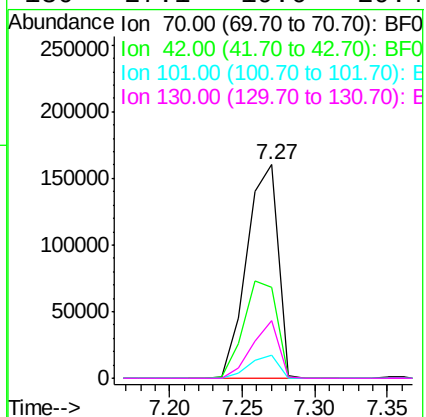
Ion Ratio Lower Upper

70 100

42 42.4 37.1 55.7

101 11.0 8.6 12.8

130 27.1 19.6 29.4



#20

3+4-Methylphenols

Concen: 40.41 ng

RT: 7.26 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion: 107 Resp: 325473

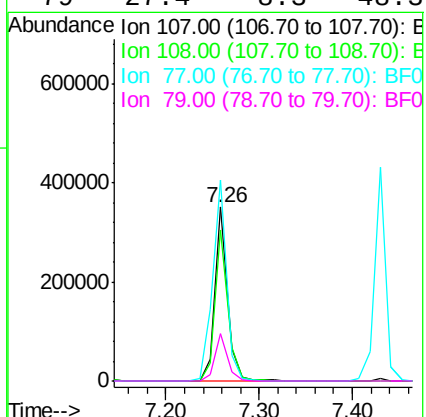
Ion Ratio Lower Upper

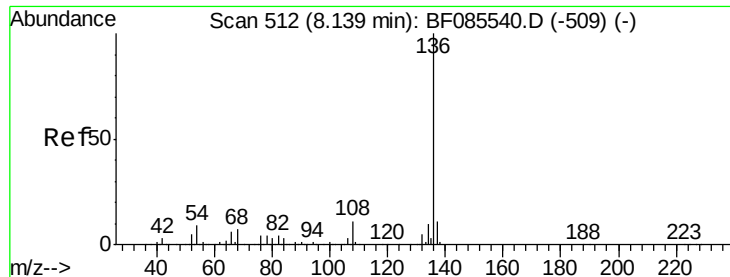
107 100

108 86.7 69.3 109.3

77 115.3 101.7 141.7

79 27.4 8.3 48.3

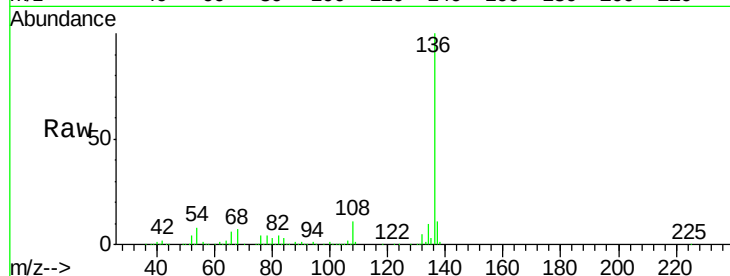




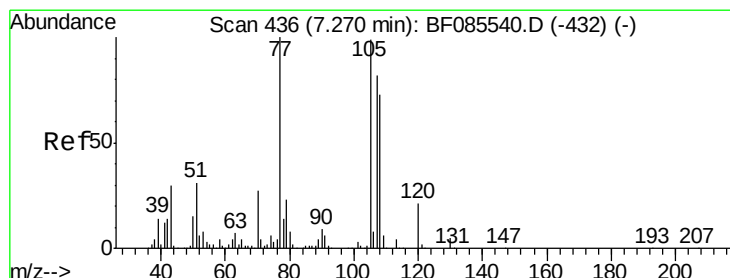
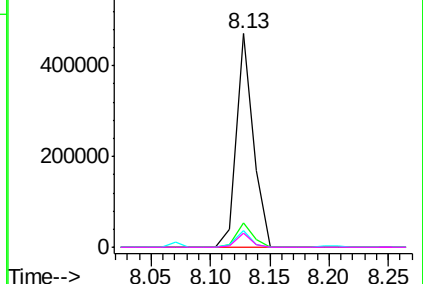
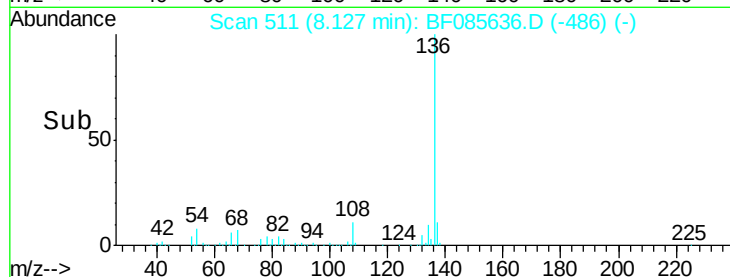
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion:	136	Resp:	470165
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.0	7.4	11.0
68	6.6	5.8	8.8

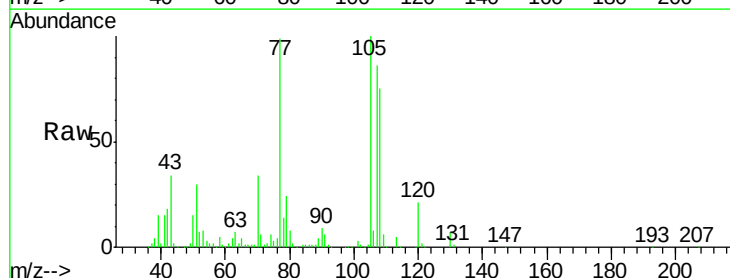


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

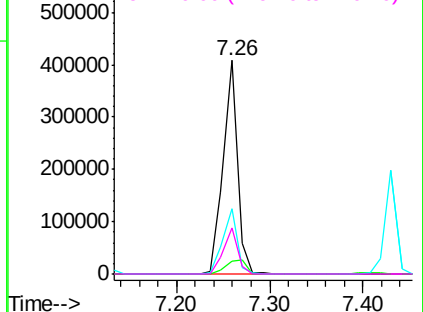
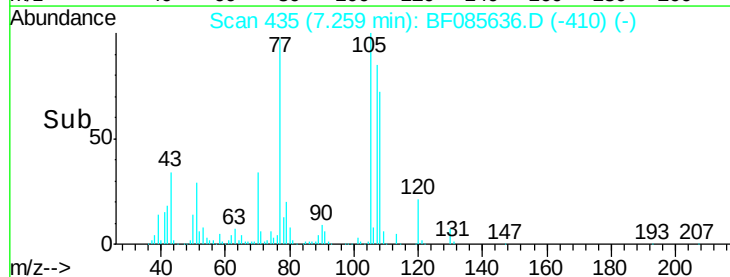


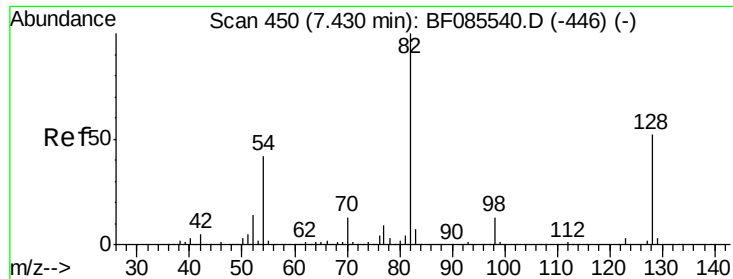
#22
Acetophenone
Concen: 39.18 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:	105	Resp:	437182
Ion	Ratio	Lower	Upper
105	100		
71	5.8	3.6	5.4#
51	30.5	25.4	38.0
120	21.3	16.9	25.3



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

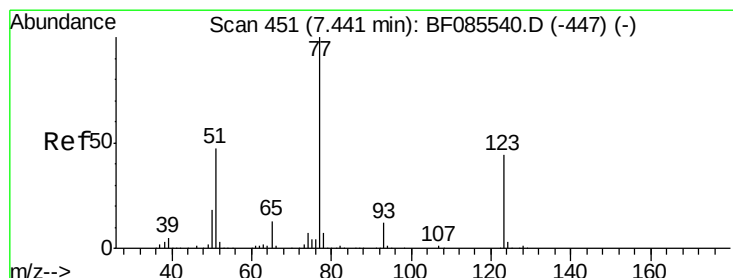
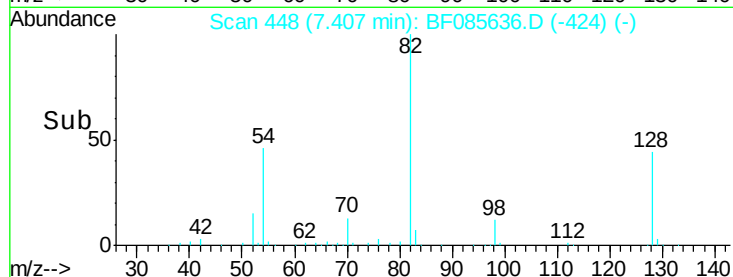
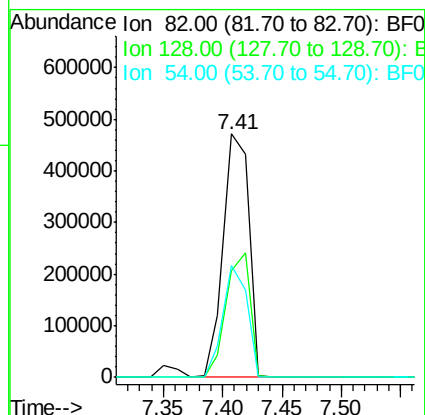
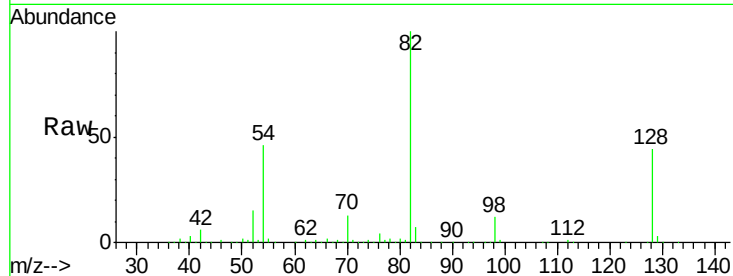




#23
 Nitrobenzene-d5
 Concen: 87.51 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

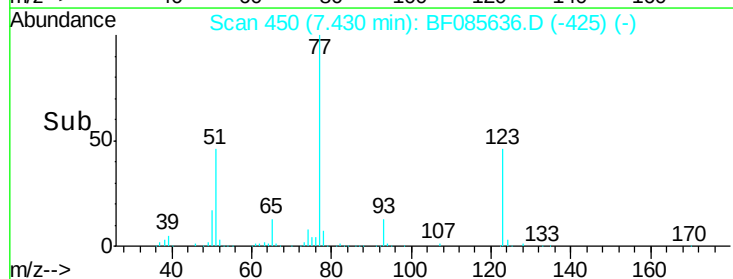
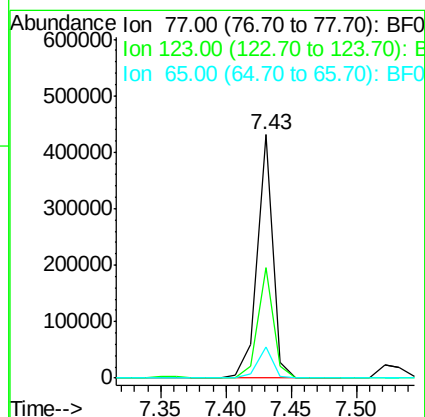
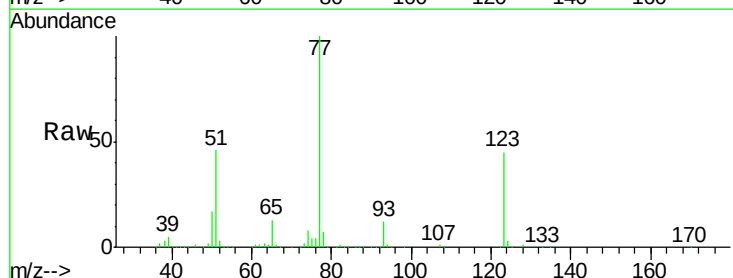
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

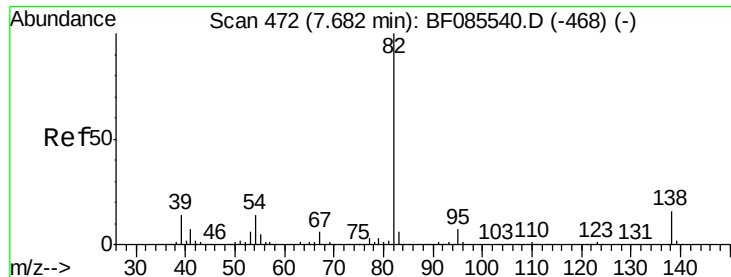
Tgt Ion: 82 Resp: 708823
 Ion Ratio Lower Upper
 82 100
 128 43.9 41.8 62.8
 54 46.2 33.4 50.0



#24
 Nitrobenzene
 Concen: 40.61 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion: 77 Resp: 360043
 Ion Ratio Lower Upper
 77 100
 123 45.5 35.0 52.4
 65 12.9 10.6 16.0





#25

Isophorone

Concen: 42.10 ng

RT: 7.67 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

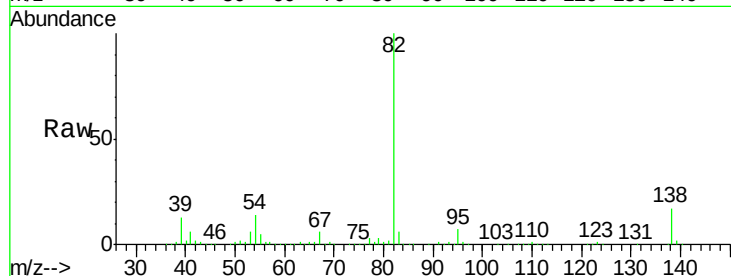
Tgt Ion: 82 Resp: 682784

Ion Ratio Lower Upper

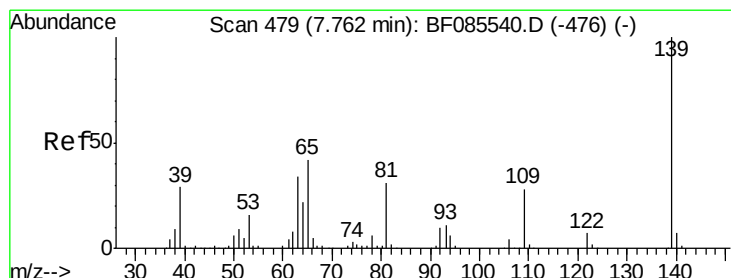
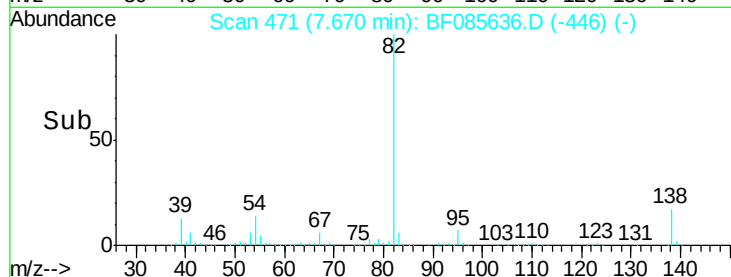
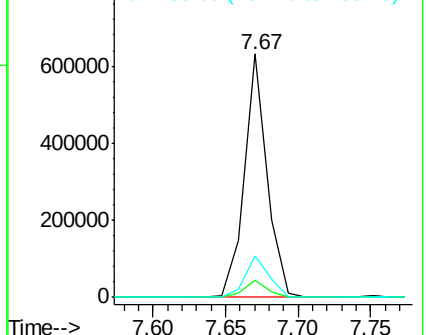
82 100

95 7.1 5.4 8.2

138 16.8 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 46.07 ng

RT: 7.75 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

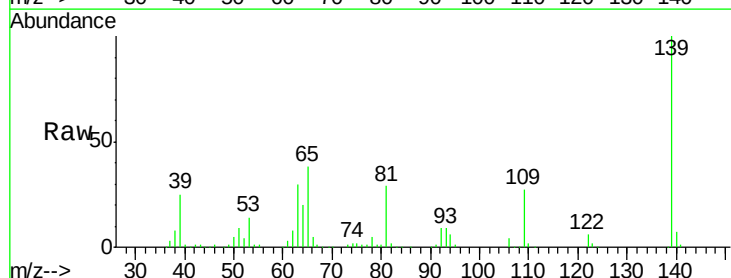
Tgt Ion: 139 Resp: 201882

Ion Ratio Lower Upper

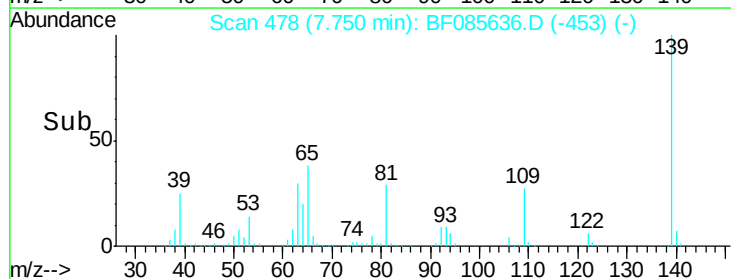
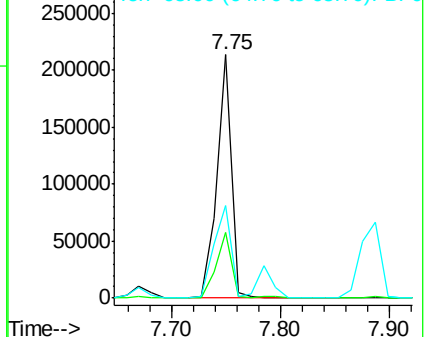
139 100

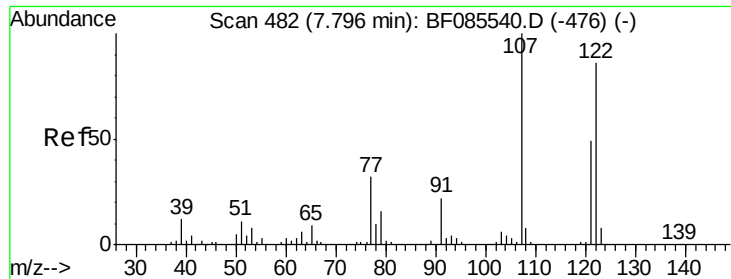
109 26.7 22.1 33.1

65 38.0 33.9 50.9



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

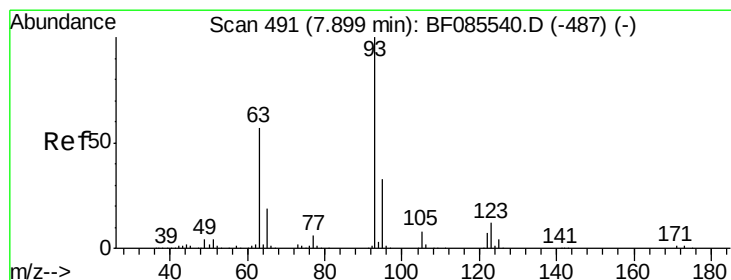
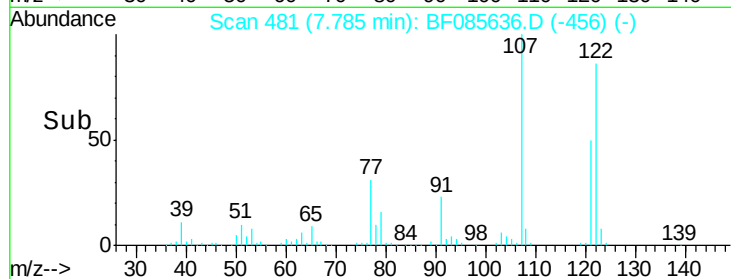
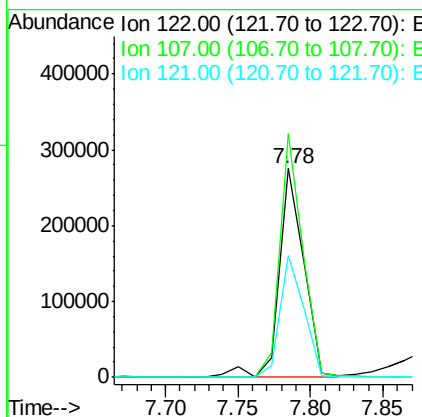
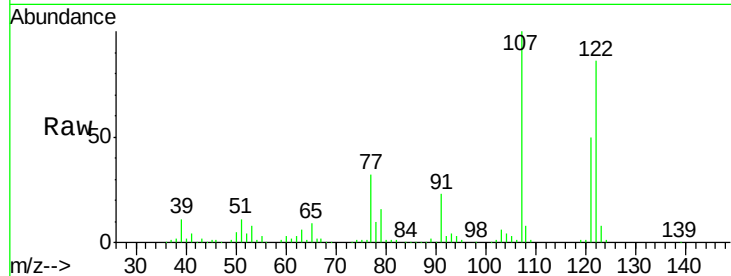




#27
2,4-Dimethylphenol
Concen: 41.82 ng
RT: 7.78 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

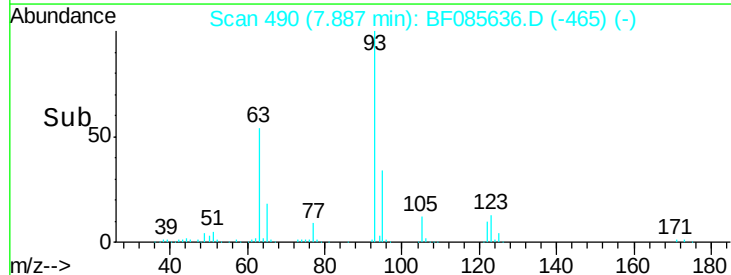
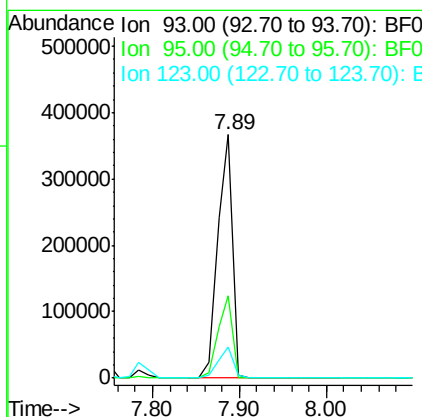
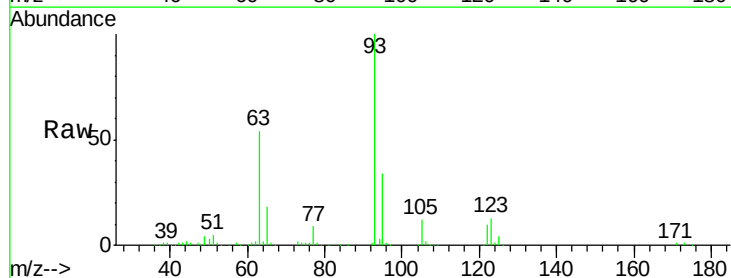
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

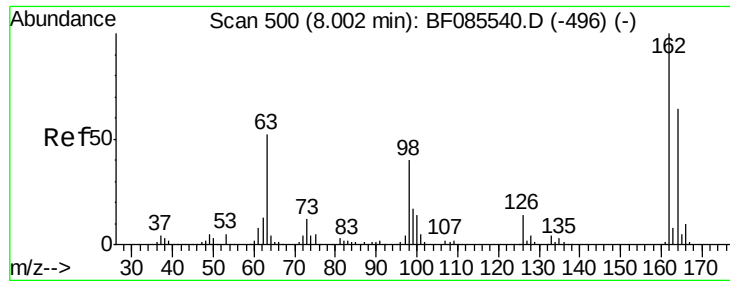
Tgt Ion:122 Resp: 324059
Ion Ratio Lower Upper
122 100
107 116.8 93.0 139.6
121 58.3 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 47.67 ng
RT: 7.89 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion: 93 Resp: 439705
Ion Ratio Lower Upper
93 100
95 33.6 26.4 39.6
123 12.8 9.8 14.6

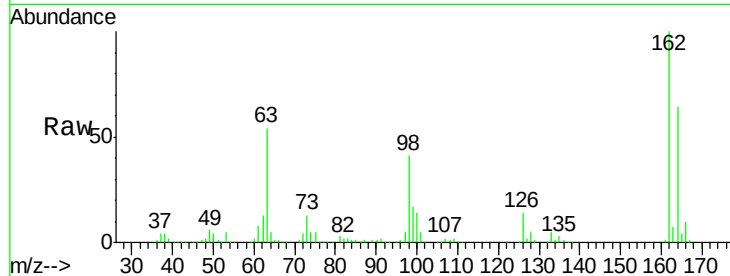




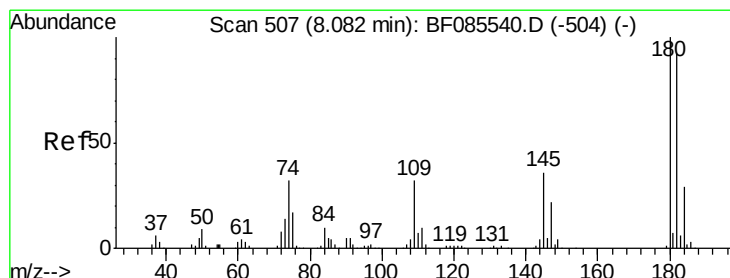
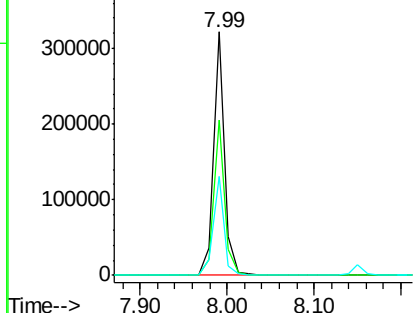
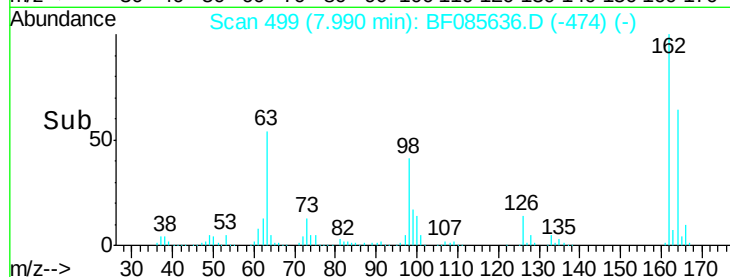
#29
 2,4-Dichlorophenol
 Concen: 45.14 ng
 RT: 7.99 min Scan# 499
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:162 Resp: 288860
 Ion Ratio Lower Upper
 162 100
 164 63.9 43.7 83.7
 98 40.8 20.4 60.4

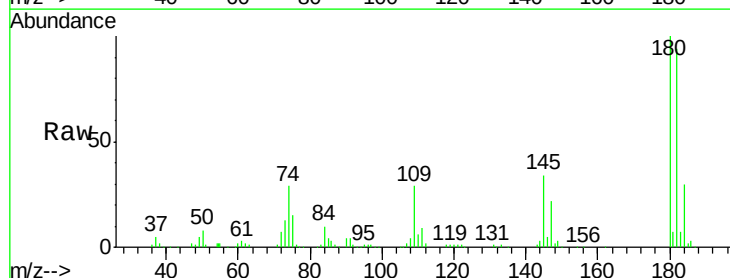


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

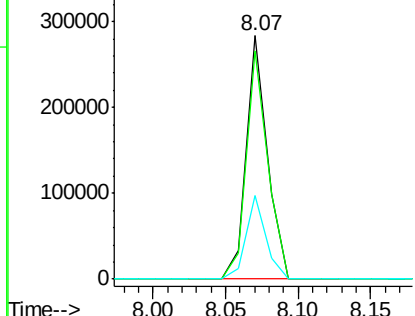
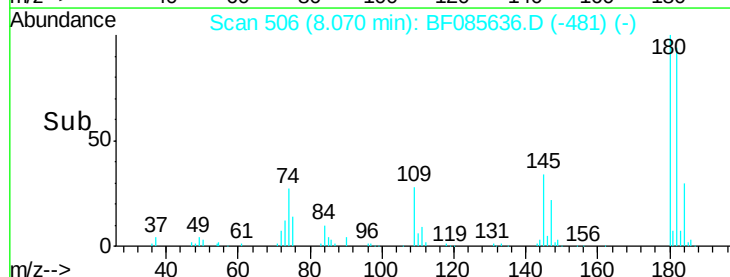


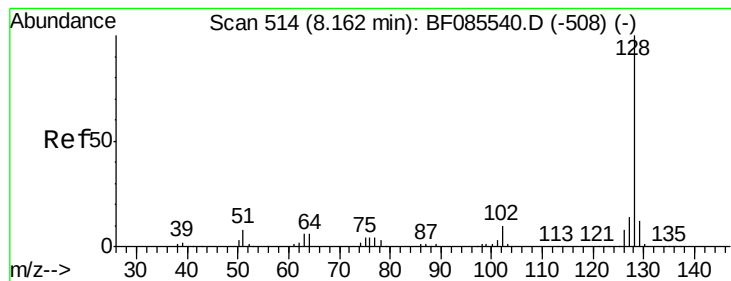
#30
 1,2,4-Trichlorobenzene
 Concen: 39.94 ng
 RT: 8.07 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:180 Resp: 286299
 Ion Ratio Lower Upper
 180 100
 182 93.8 73.8 110.8
 145 34.4 28.4 42.6



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: 38.91 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

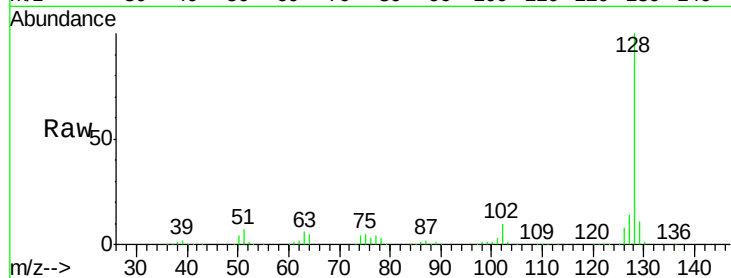
Tgt Ion:128 Resp: 923485

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

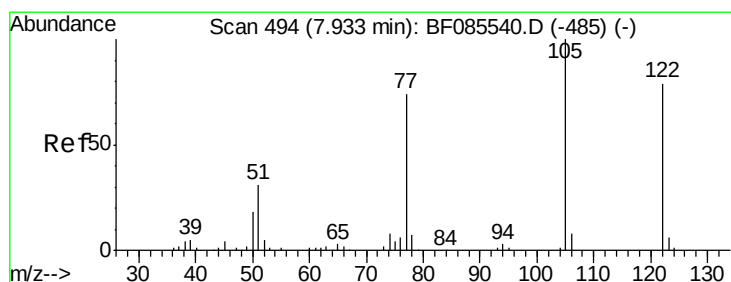
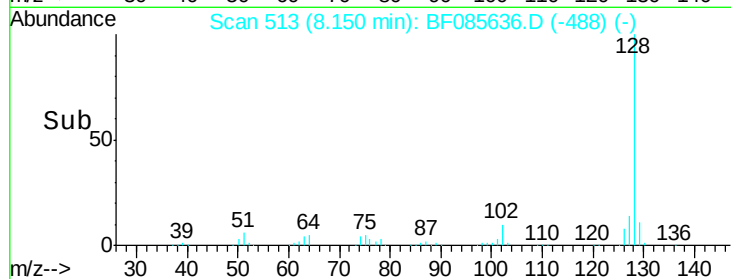
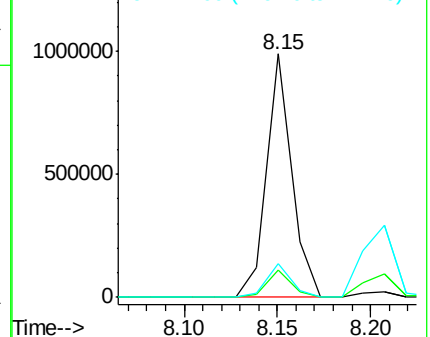
127 13.8 11.0 16.6



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: 18.12 ng

RT: 7.90 min Scan# 491

Delta R.T. -0.03 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

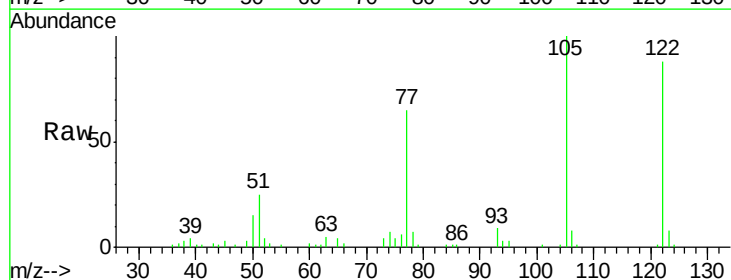
Tgt Ion:122 Resp: 117379

Ion Ratio Lower Upper

122 100

105 113.2 102.9 142.9

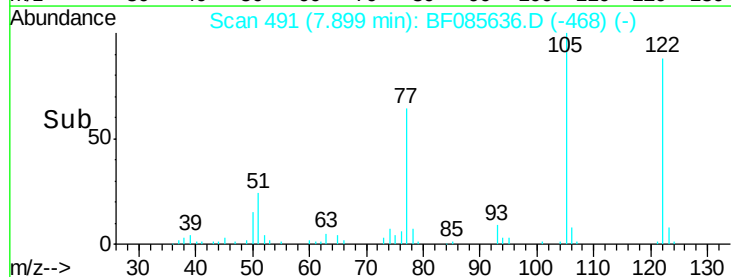
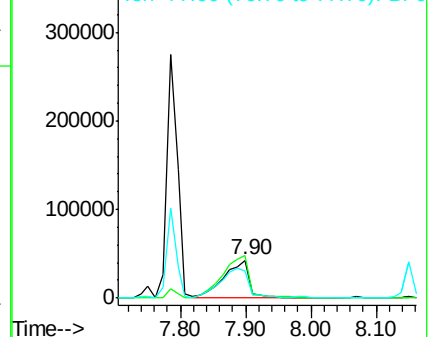
77 73.4 71.8 111.8

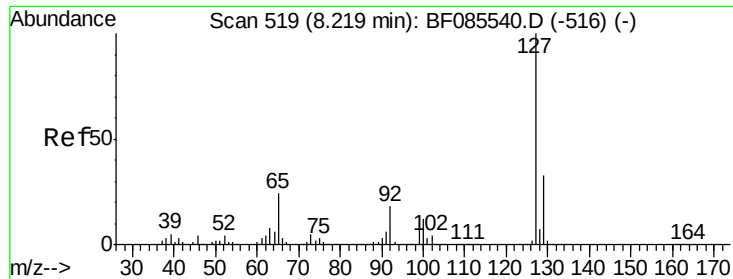


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

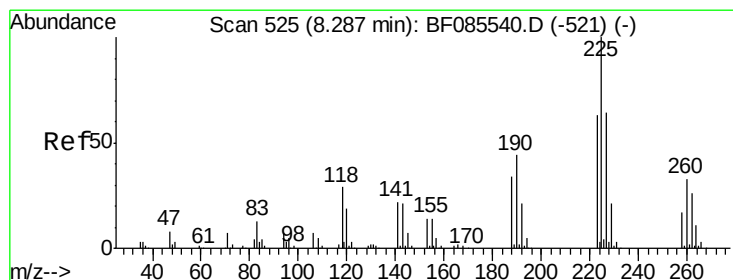
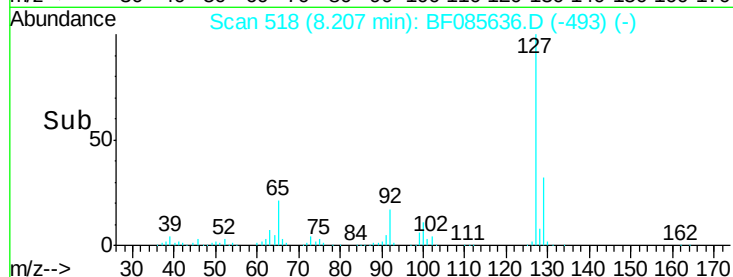
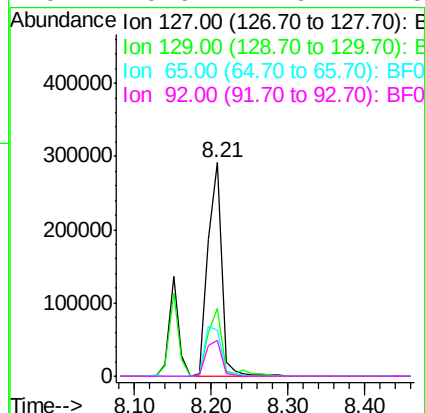
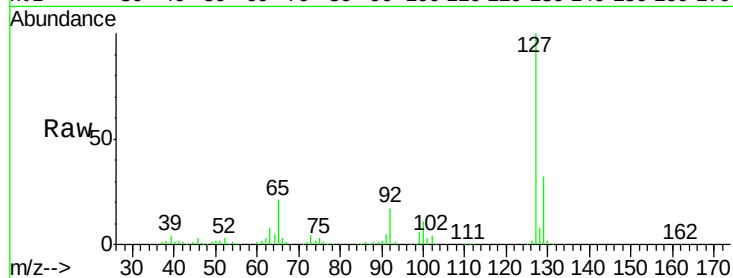




#33
4-Chloroaniline
Concen: 36.86 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

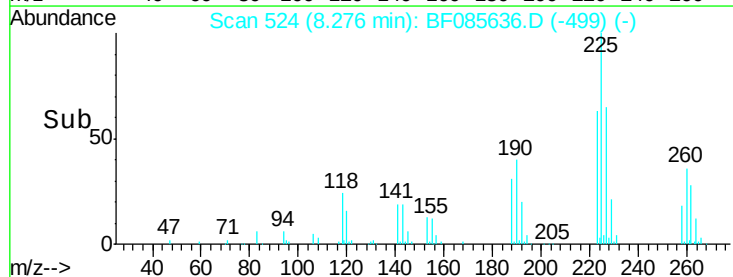
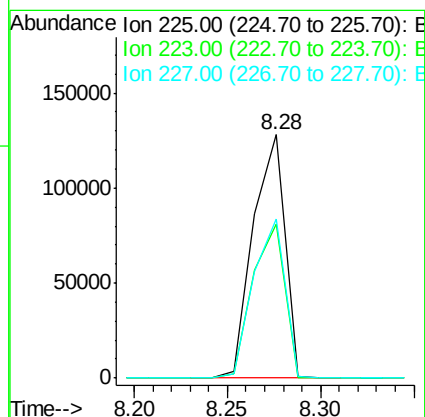
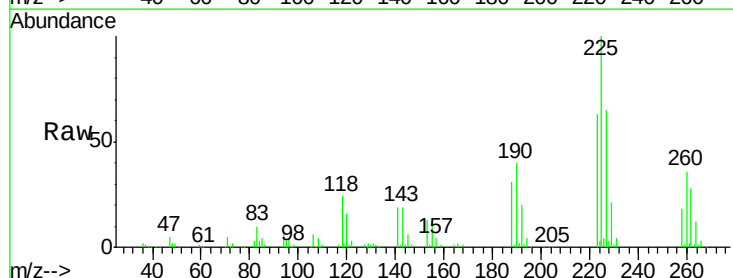
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

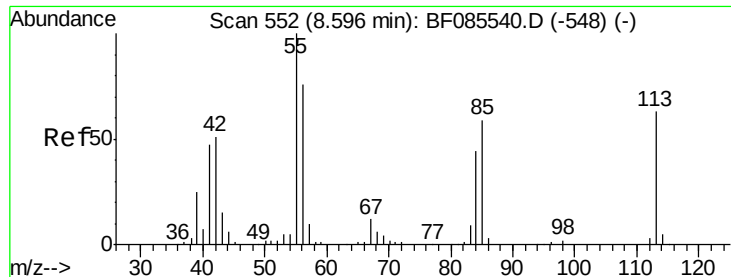
Tgt Ion:	127	Resp:	358570
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.1	39.1
65	21.4	19.5	29.3
92	16.6	14.6	22.0



#34
Hexachlorobutadiene
Concen: 39.31 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:	225	Resp:	150149
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.4	75.6
227	65.3	51.4	77.2

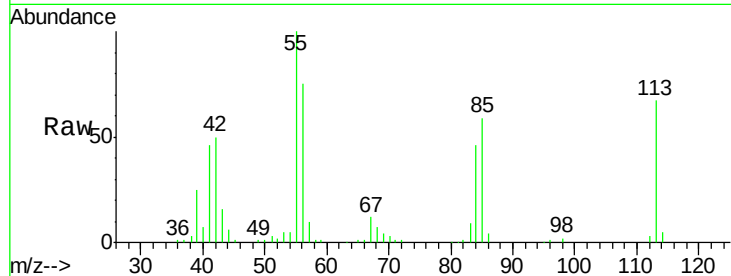




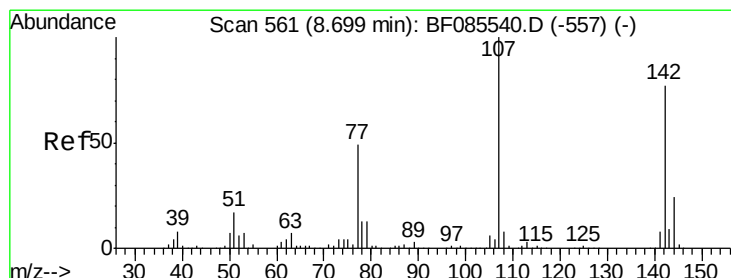
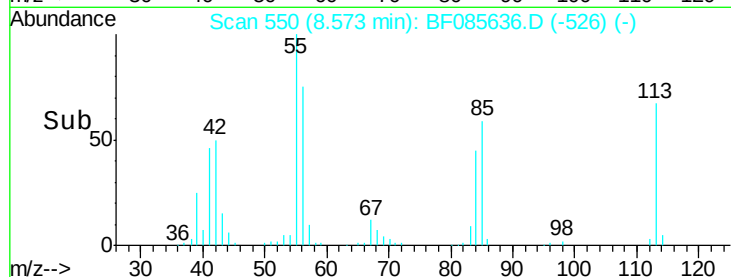
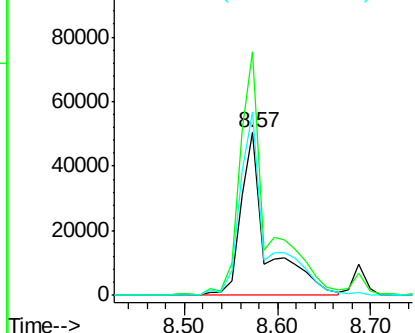
#35
 Caprolactam
 Concen: 44.88 ng
 RT: 8.57 min Scan# 550
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:113 Resp: 98806
 Ion Ratio Lower Upper
 113 100
 55 149.5 139.4 179.4
 56 112.8 100.4 140.4

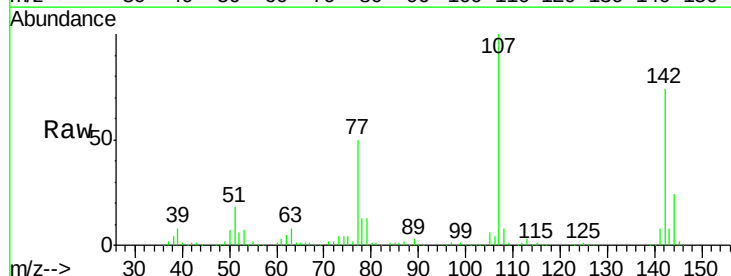


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

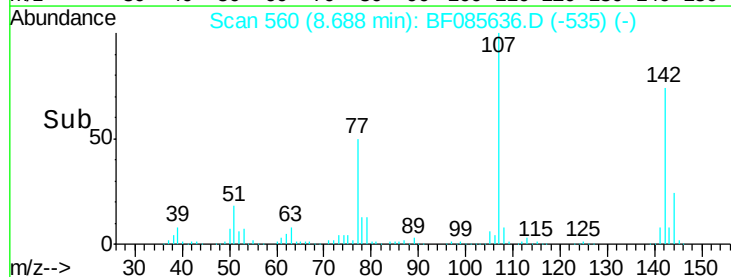
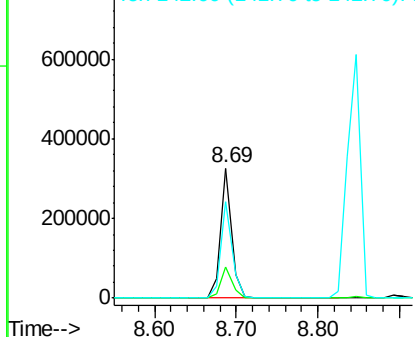


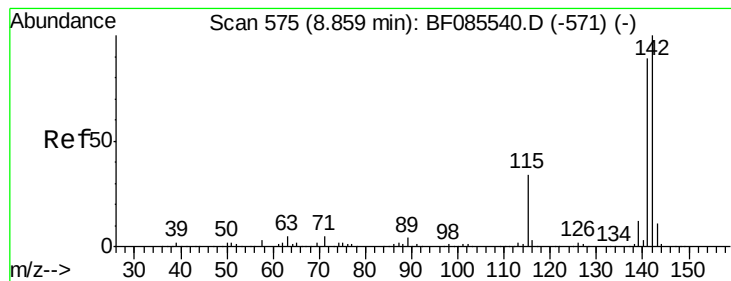
#36
 4-Chloro-3-methylphenol
 Concen: 40.93 ng
 RT: 8.69 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:107 Resp: 305902
 Ion Ratio Lower Upper
 107 100
 144 23.7 19.3 28.9
 142 73.9 61.4 92.0



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: 46.99 ng

RT: 8.85 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

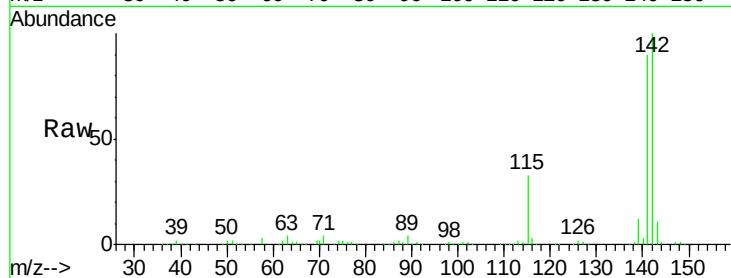
Tgt Ion:142 Resp: 679734

Ion Ratio Lower Upper

142 100

141 89.6 71.6 107.4

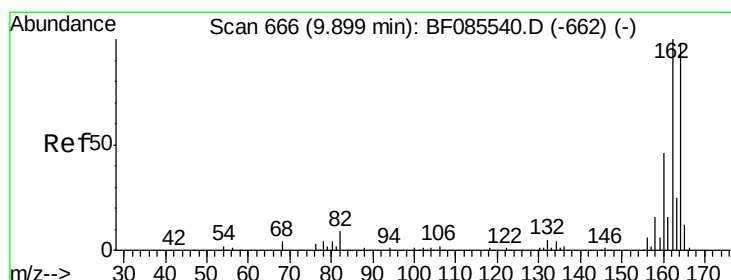
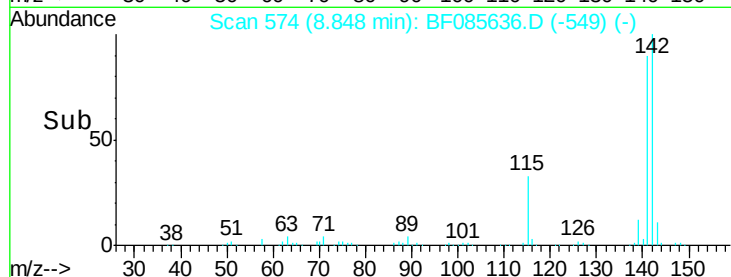
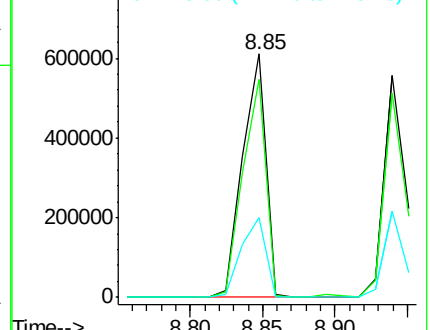
115 32.8 26.8 40.2



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: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

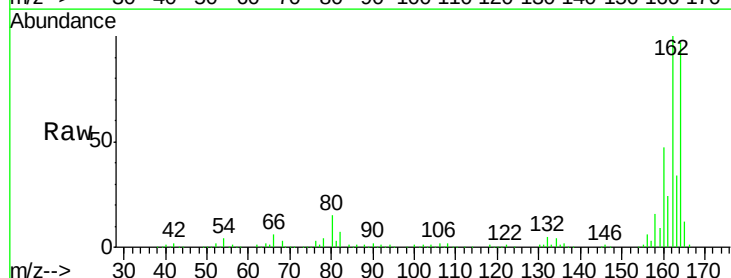
Tgt Ion:164 Resp: 202602

Ion Ratio Lower Upper

164 100

162 103.2 82.1 123.1

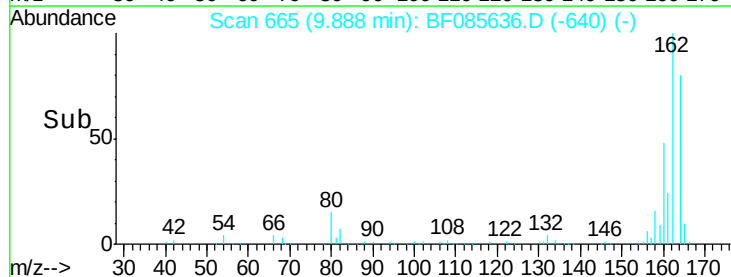
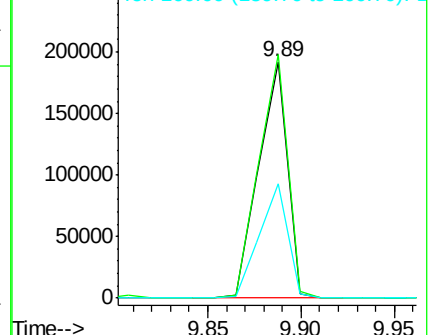
160 48.4 37.4 56.2

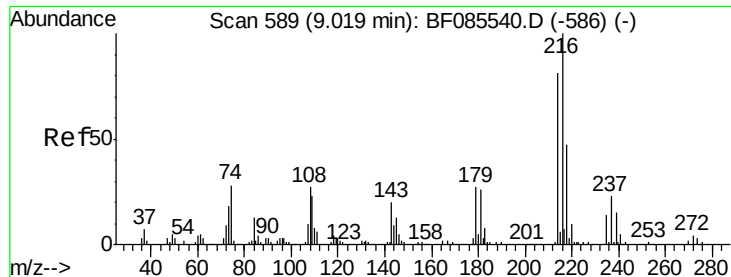


Abundance Ion 164.00 (163.70 to 164.70): E

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: 40.74 ng

RT: 9.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:216 Resp: 250369

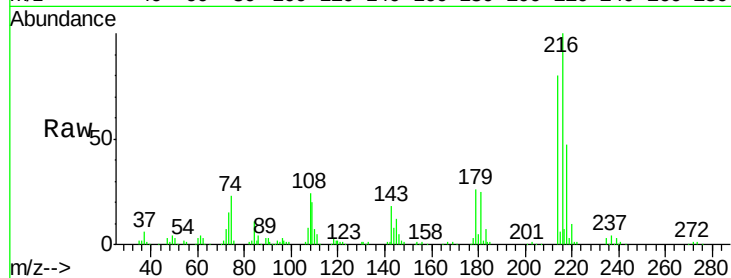
Ion Ratio Lower Upper

216 100

214 79.0 63.1 94.7

179 23.7 18.2 27.2

108 22.5 17.3 25.9

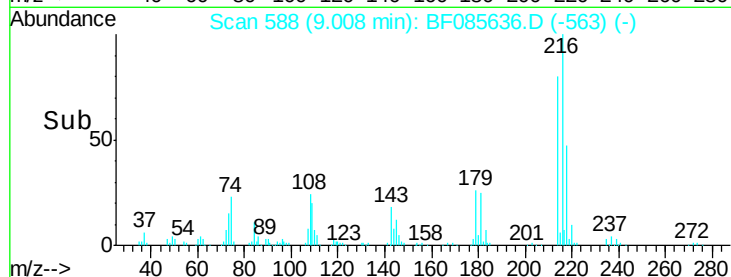


Abundance Ion 216.00 (215.70 to 216.70): E

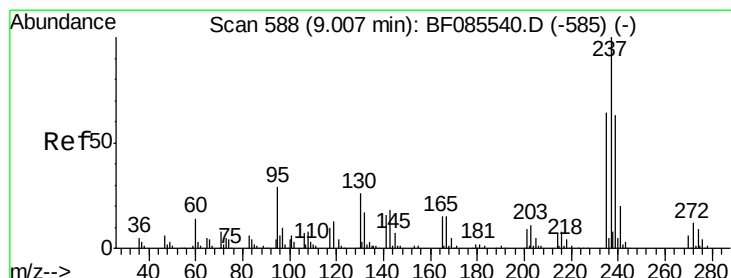
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 39.92 ng

RT: 9.00 min Scan# 587

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

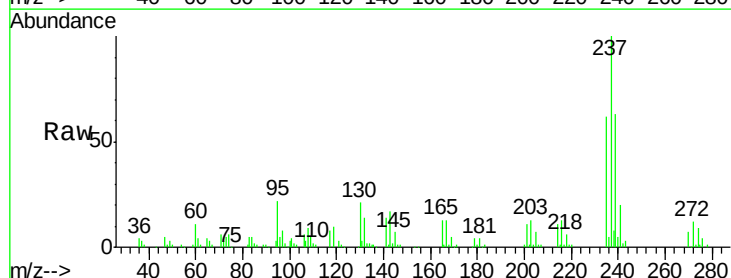
Tgt Ion:237 Resp: 110582

Ion Ratio Lower Upper

237 100

235 62.4 43.7 83.7

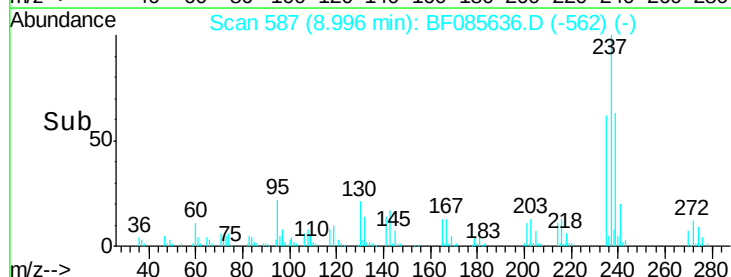
272 12.1 0.0 31.9



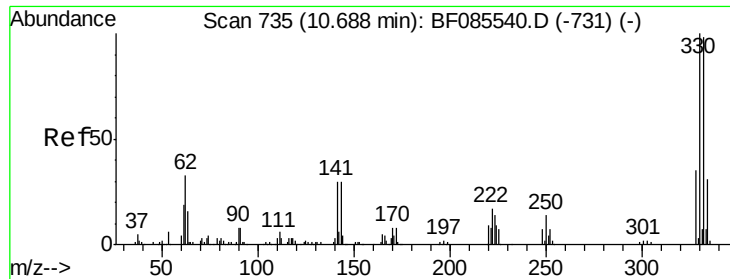
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



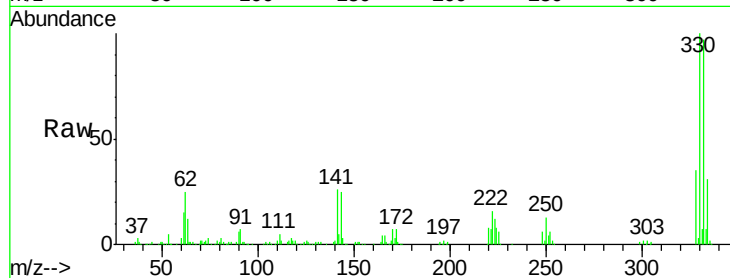
Time-->



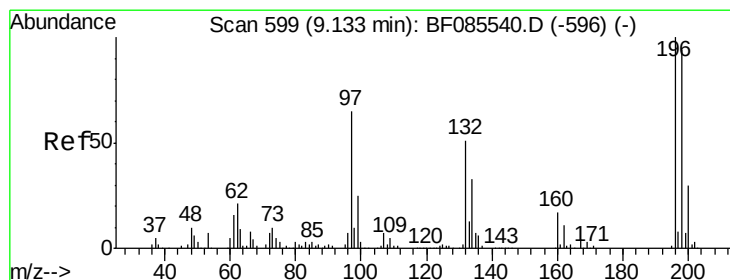
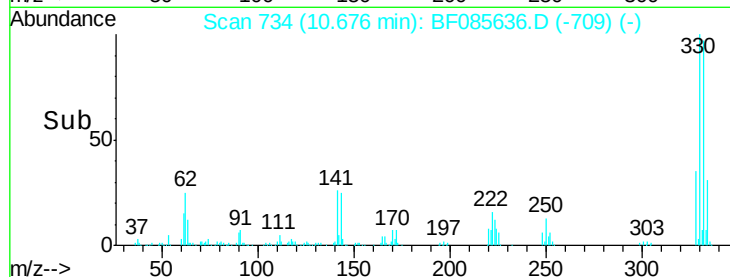
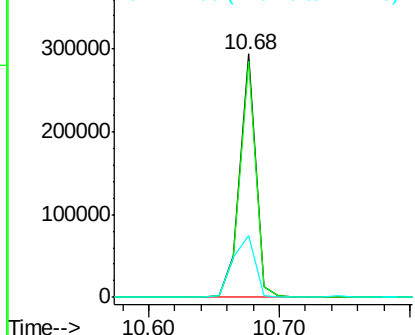
#41
 2,4,6-Tribromophenol
 Concen: 125.61 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.2	117.2
141	35.8	31.5	47.3

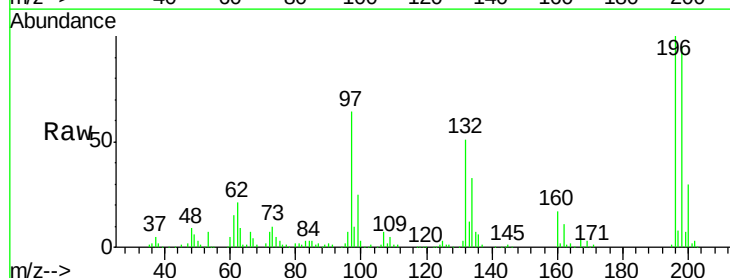


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

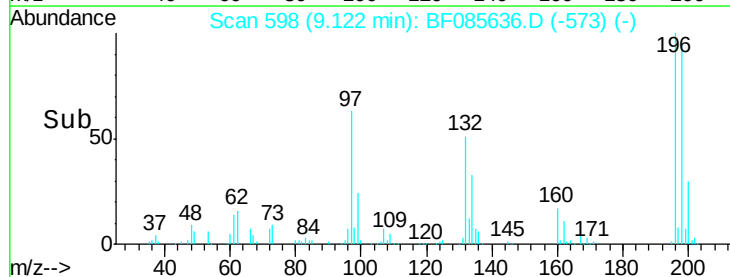
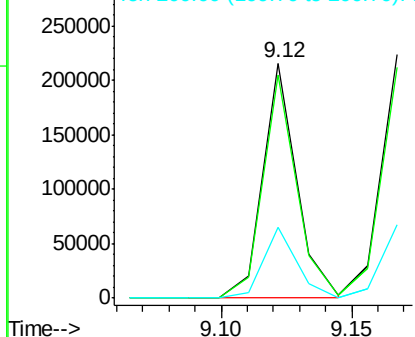


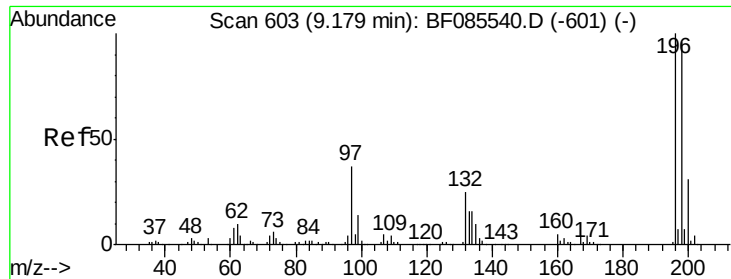
#42
 2,4,6-Trichlorophenol
 Concen: 45.48 ng
 RT: 9.12 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.3	112.9
200	30.0	23.7	35.5



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

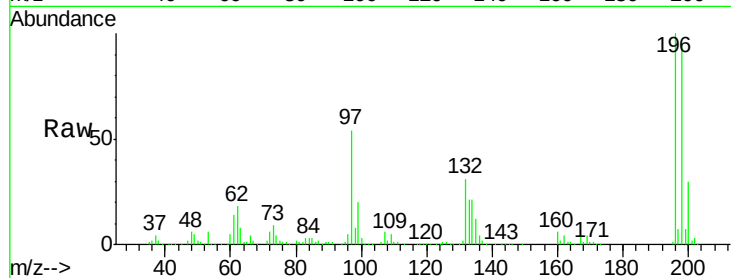




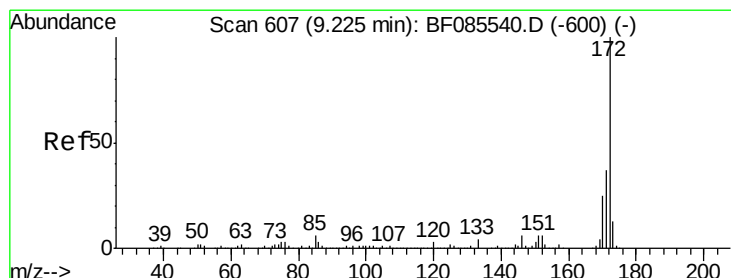
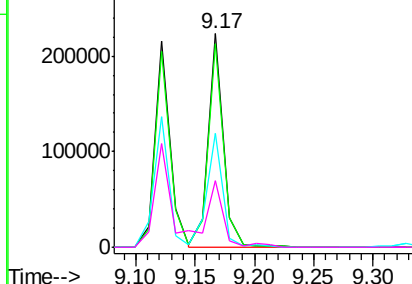
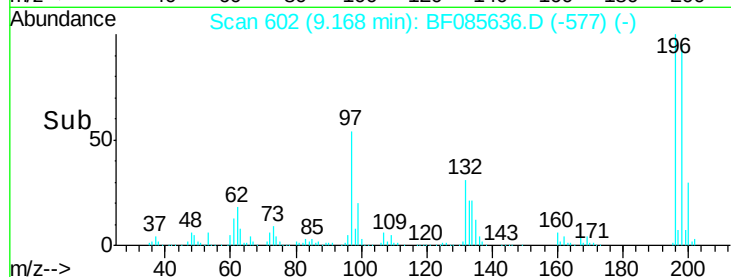
#43
 2,4,5-Trichlorophenol
 Concen: 46.65 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:196 Resp: 199718
 Ion Ratio Lower Upper
 196 100
 198 95.0 76.6 114.8
 97 53.5 30.5 45.7#
 132 31.3 20.2 30.2#

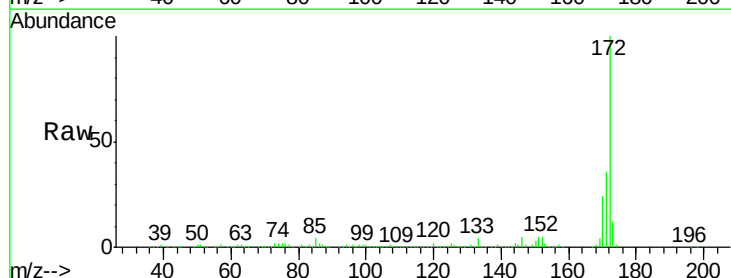


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

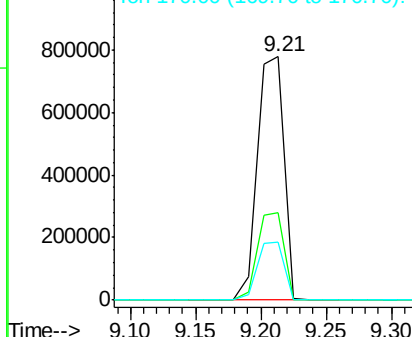
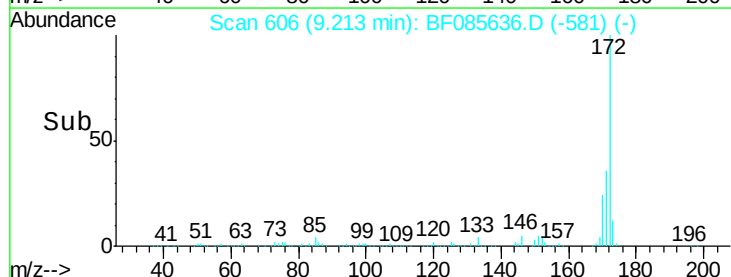


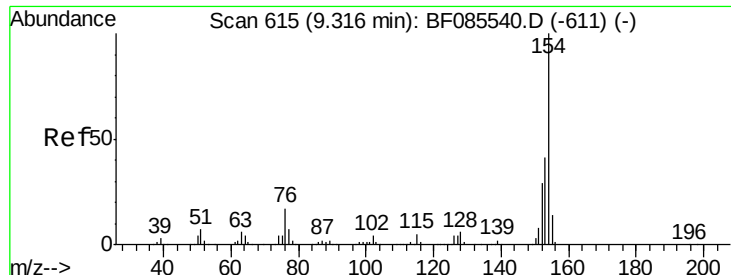
#44
 2-Fluorobiphenyl
 Concen: 96.52 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:172 Resp: 1107545
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.2
 170 23.8 19.8 29.6



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

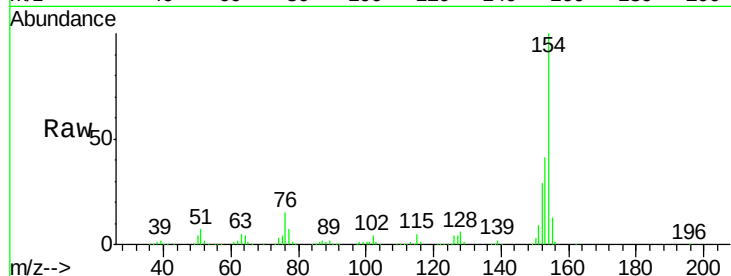




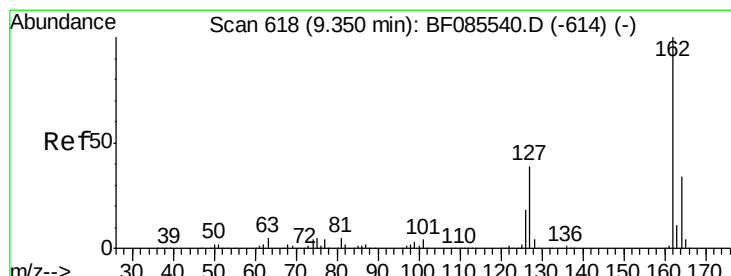
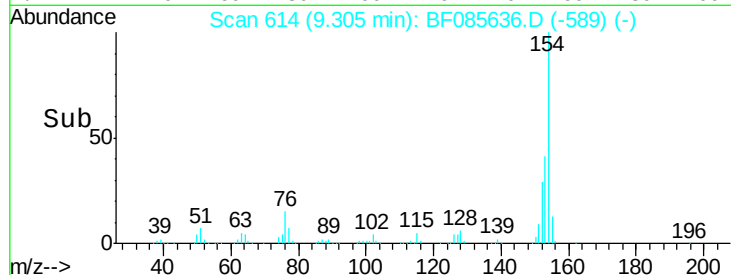
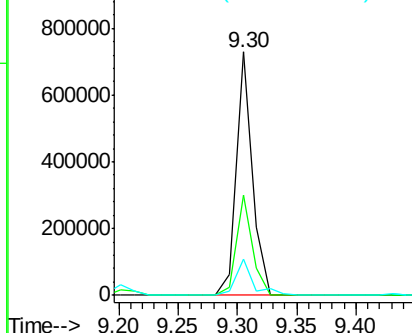
#45
 1,1'-Biphenyl
 Concen: 39.35 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:154 Resp: 687672
 Ion Ratio Lower Upper
 154 100
 153 41.2 20.8 60.8
 76 15.1 0.0 36.7

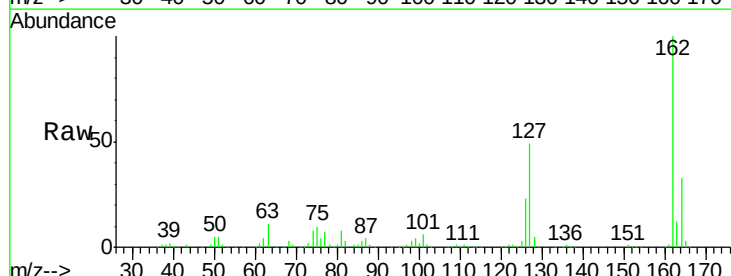


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

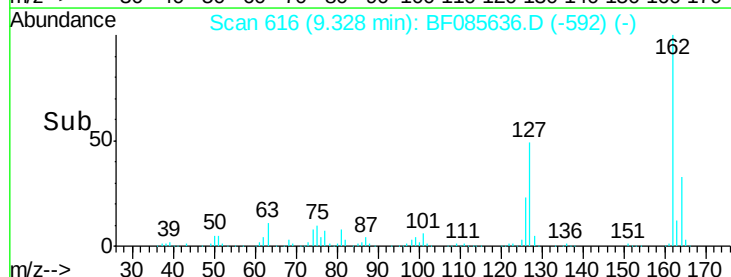
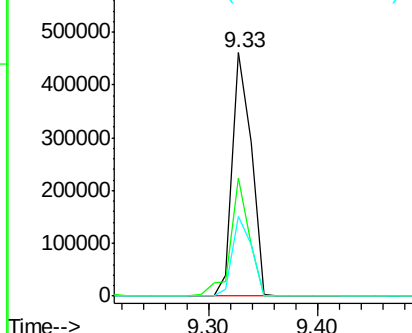


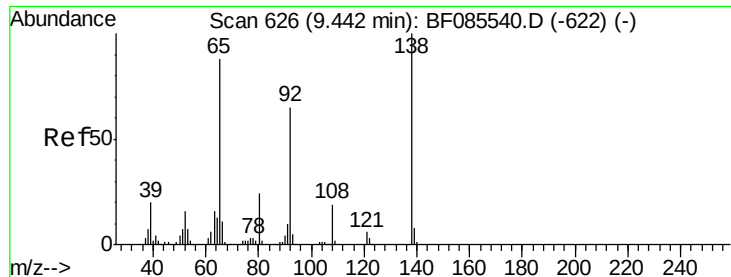
#46
 2-Chloronaphthalene
 Concen: 42.80 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:162 Resp: 546455
 Ion Ratio Lower Upper
 162 100
 127 48.6 31.7 47.5#
 164 32.5 27.3 40.9



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

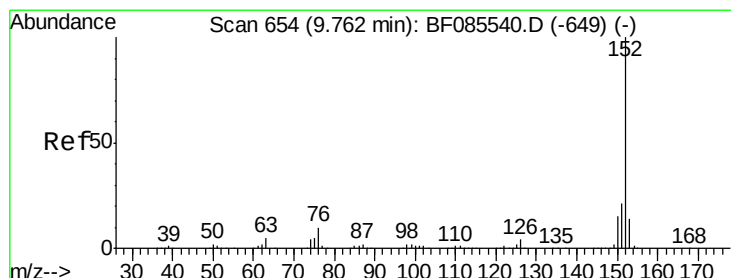
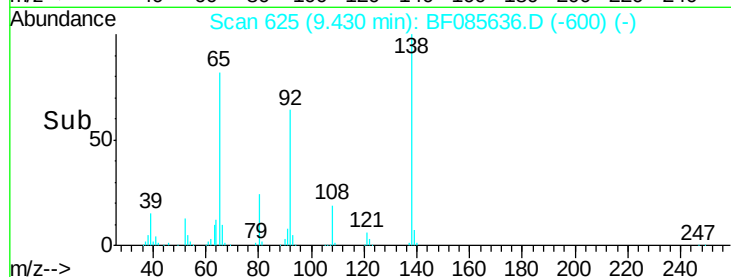
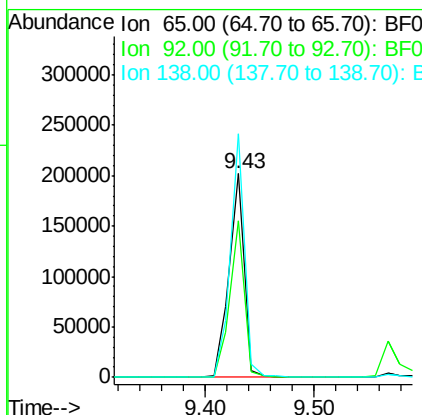
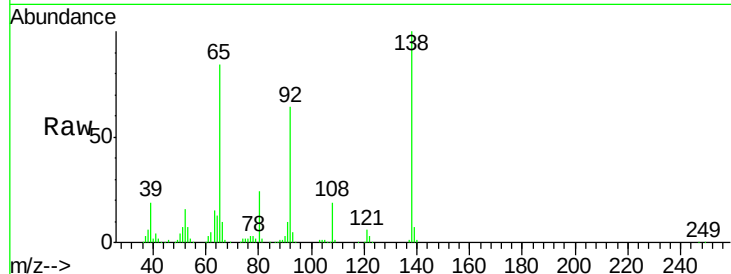




#47
2-Nitroaniline
Concen: 50.51 ng
RT: 9.43 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

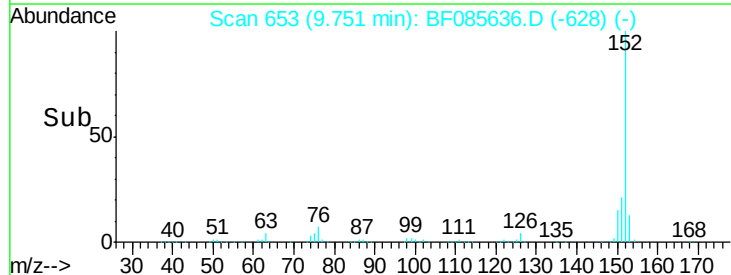
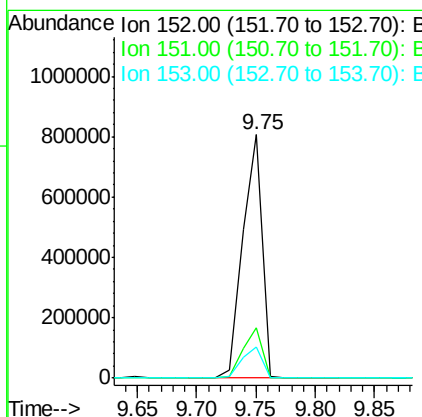
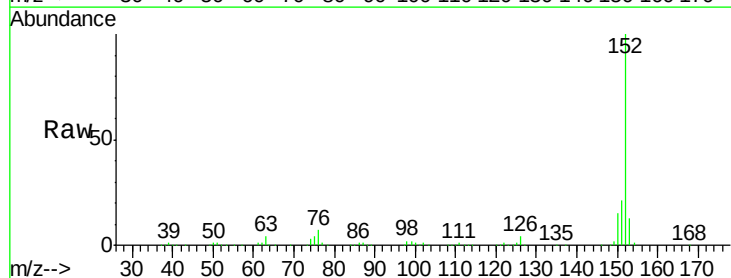
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

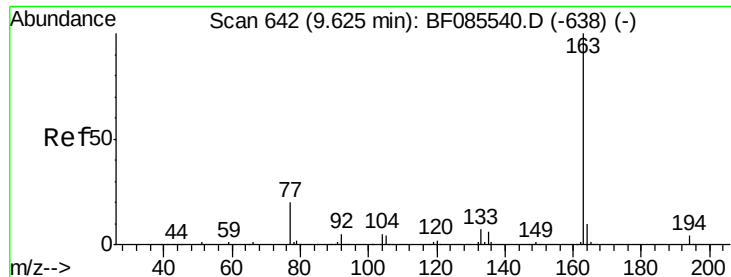
Tgt Ion: 65 Resp: 195073
Ion Ratio Lower Upper
65 100
92 77.1 59.7 89.5
138 119.6 91.4 137.0



#48
Acenaphthylene
Concen: 44.37 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion: 152 Resp: 916678
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2
153 12.7 10.9 16.3





#49

Dimethylphthalate

Concen: 61.94 ng

RT: 9.61 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

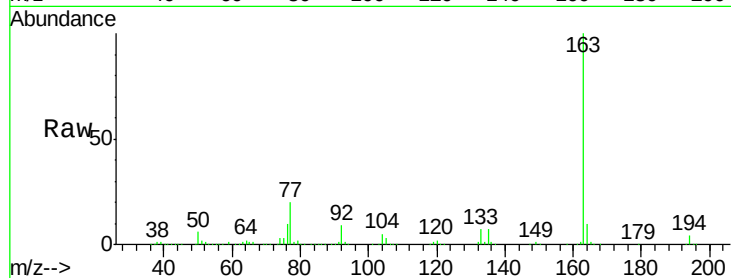
Tgt Ion:163 Resp: 946925

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

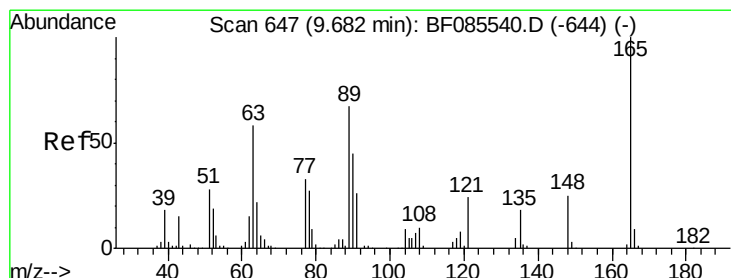
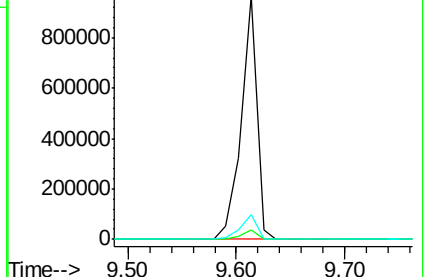
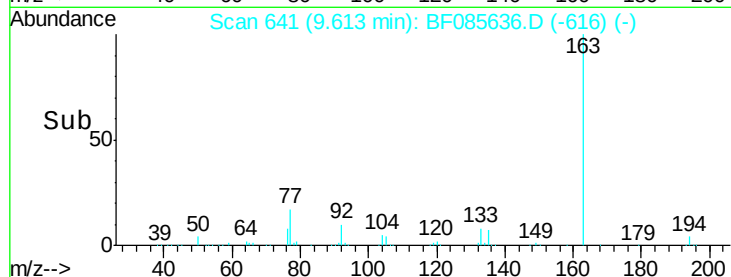
164 10.4 8.3 12.5



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: 43.35 ng

RT: 9.67 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

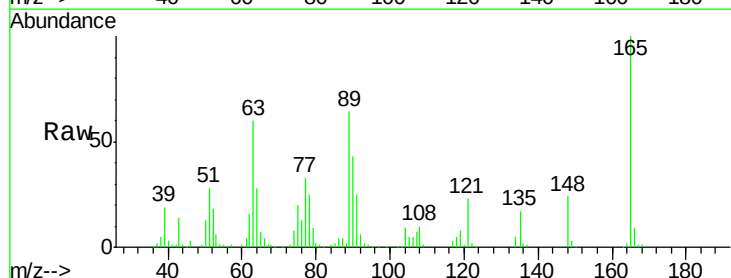
Tgt Ion:165 Resp: 139921

Ion Ratio Lower Upper

165 100

63 60.4 51.8 77.8

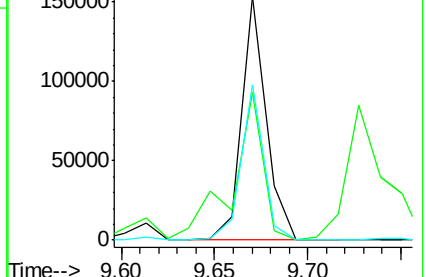
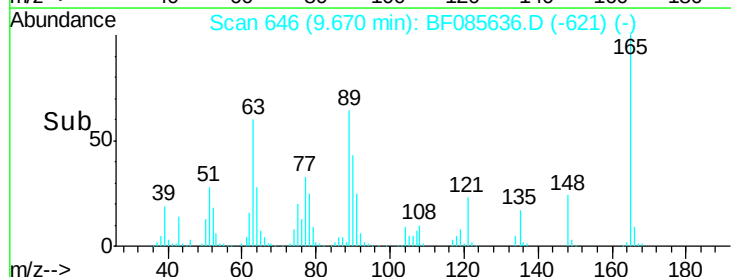
89 64.0 53.7 80.5

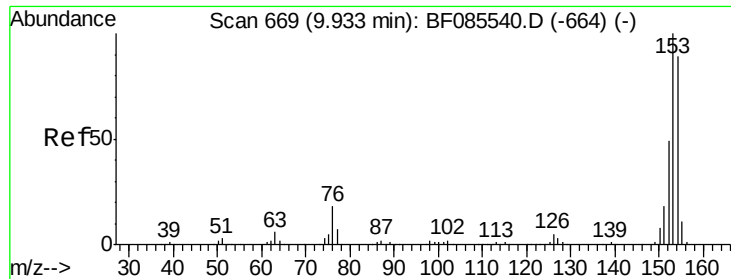


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.55 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

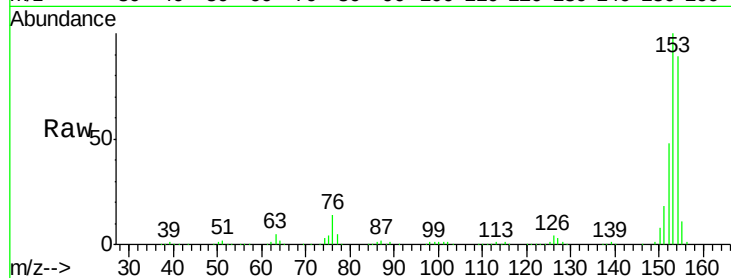
Tgt Ion:154 Resp: 590623

Ion Ratio Lower Upper

154 100

153 113.0 90.1 135.1

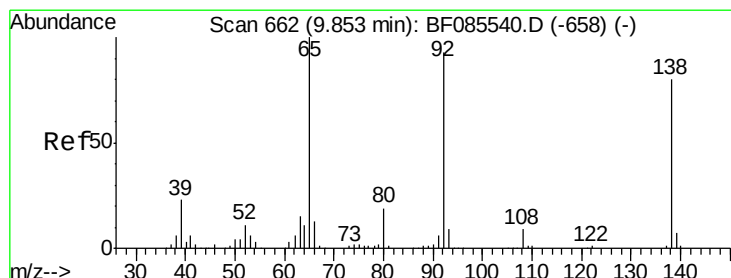
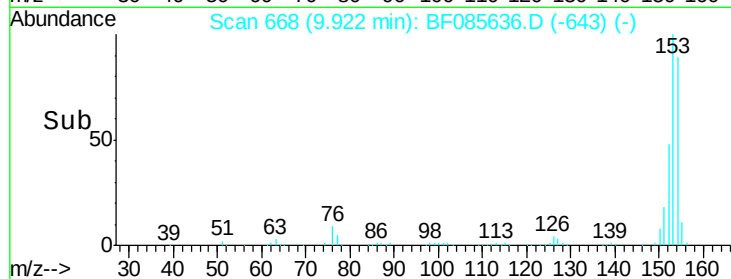
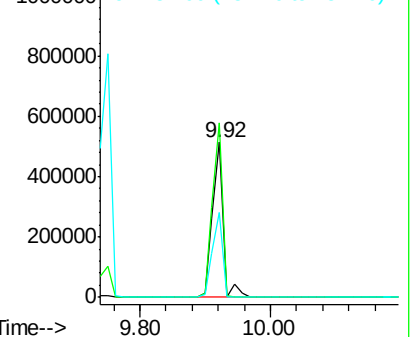
152 54.6 44.2 66.2



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: 40.29 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

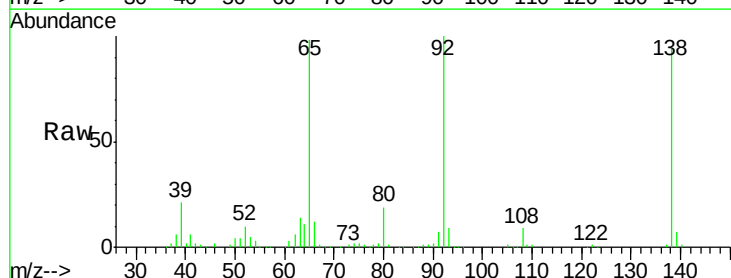
Tgt Ion:138 Resp: 162886

Ion Ratio Lower Upper

138 100

108 9.9 8.7 13.1

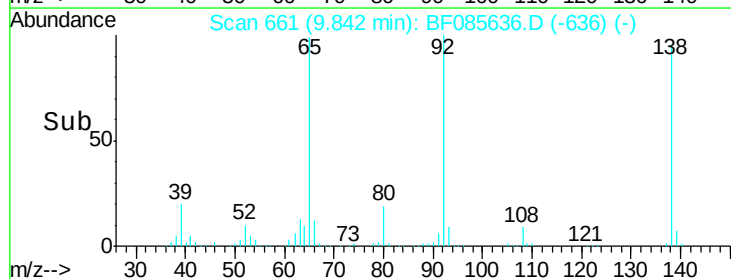
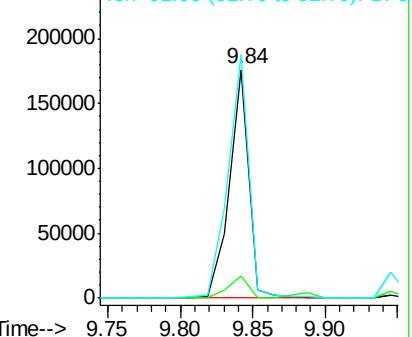
92 106.4 93.3 139.9

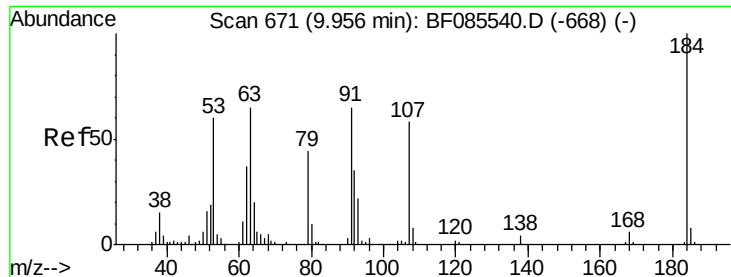


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

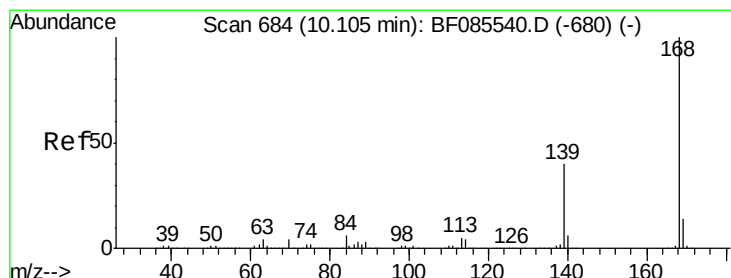
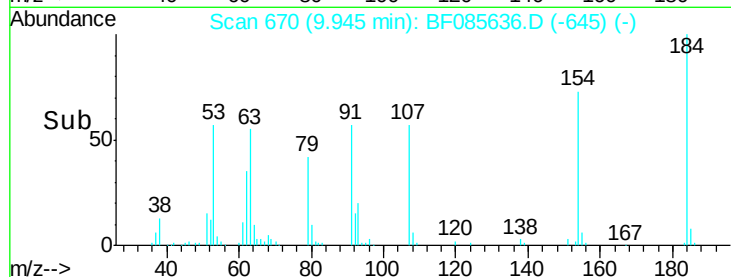
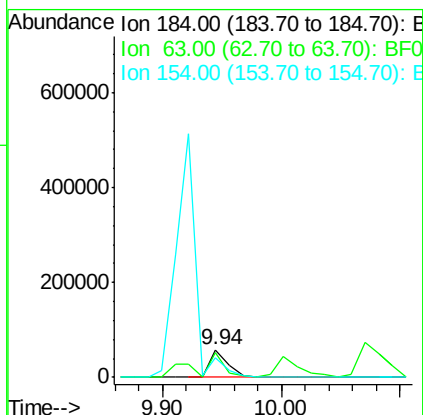
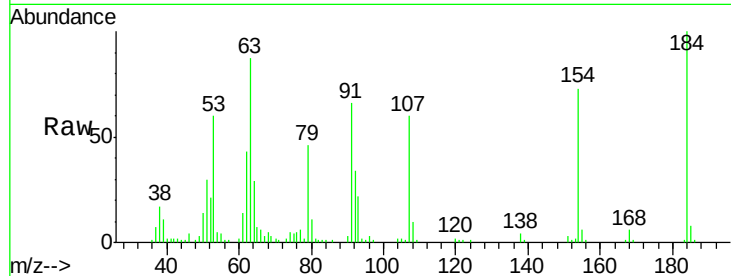




#53
 2,4-Dinitrophenol
 Concen: 33.26 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

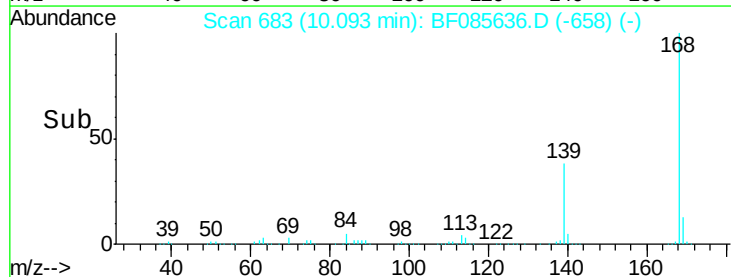
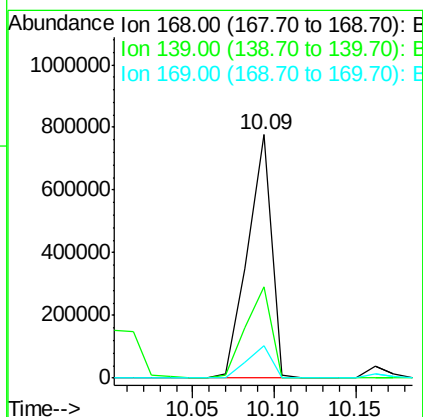
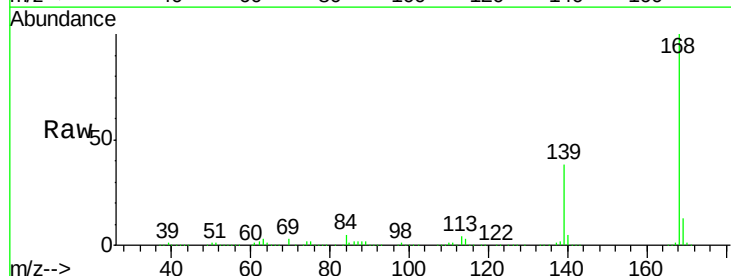
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

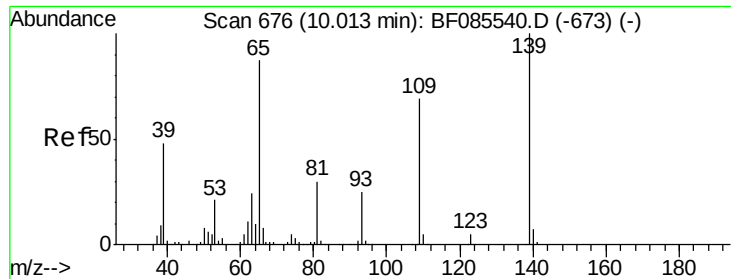
Tgt Ion:184 Resp: 65769
 Ion Ratio Lower Upper
 184 100
 63 87.1 69.5 104.3
 154 72.8 58.3 87.5



#54
 Dibenzofuran
 Concen: 49.97 ng
 RT: 10.09 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:168 Resp: 789040
 Ion Ratio Lower Upper
 168 100
 139 37.5 31.9 47.9
 169 13.2 11.0 16.6

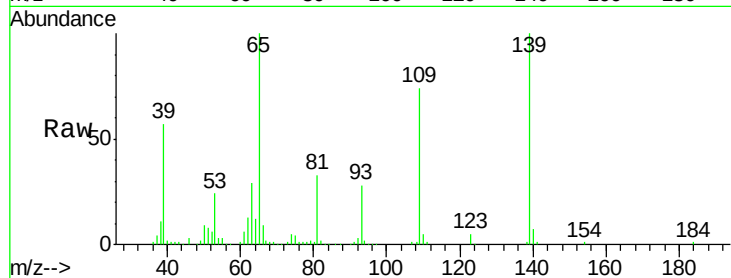




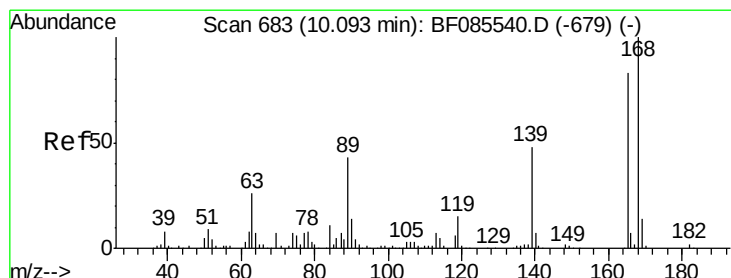
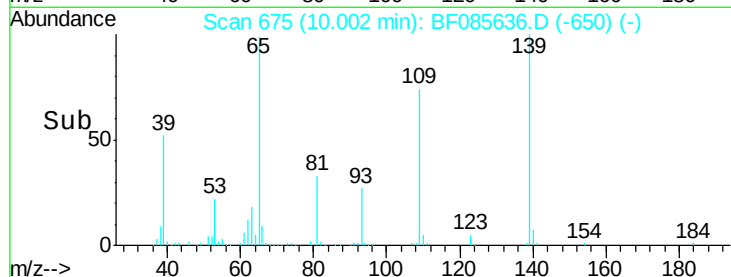
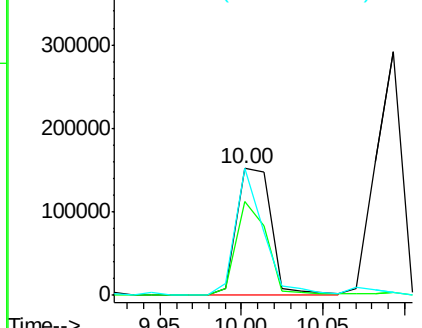
#55
4-Nitrophenol
Concen: 71.27 ng
RT: 10.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion:139 Resp: 222675
Ion Ratio Lower Upper
139 100
109 74.4 49.2 89.2
65 99.9 66.9 106.9

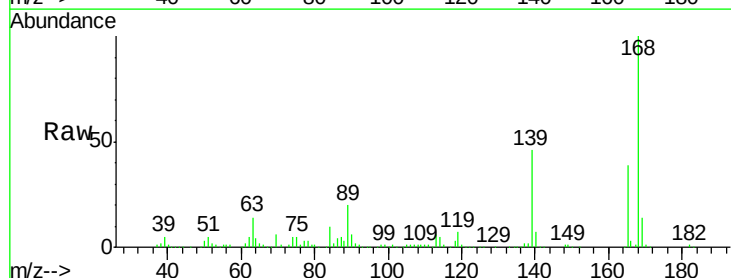


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

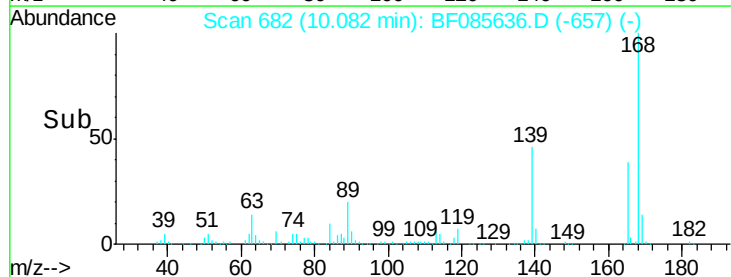
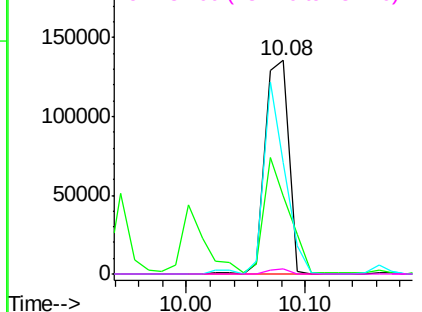


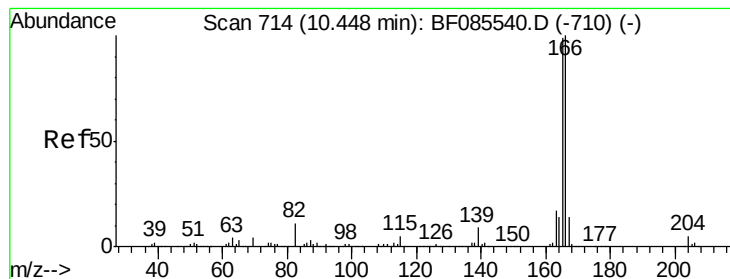
#56
2,4-Dinitrotoluene
Concen: 44.66 ng
RT: 10.08 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:165 Resp: 188741
Ion Ratio Lower Upper
165 100
63 36.8 24.9 37.3
89 52.0 41.0 61.6
182 2.7 2.1 3.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BFO
Ion 89.00 (88.70 to 89.70): BFO
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 43.24 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

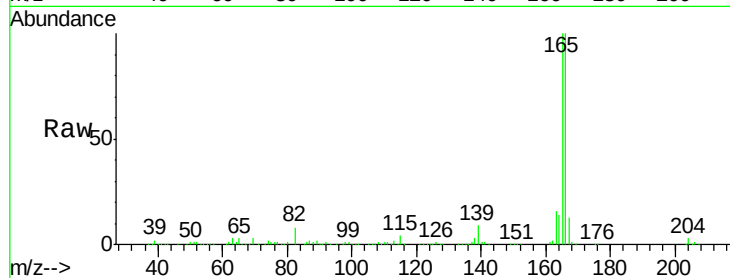
Tgt Ion:166 Resp: 569029

Ion Ratio Lower Upper

166 100

165 99.9 79.4 119.0

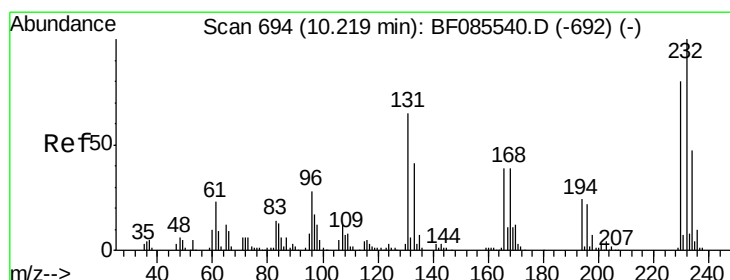
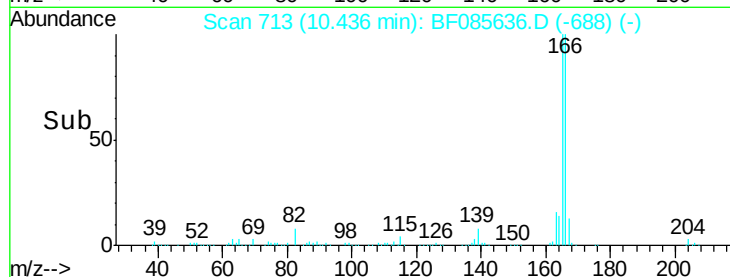
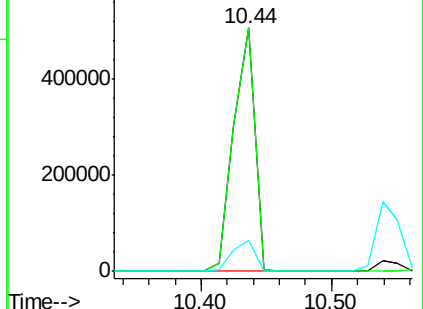
167 13.0 11.0 16.4



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: 46.26 ng

RT: 10.21 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:232 Resp: 142600

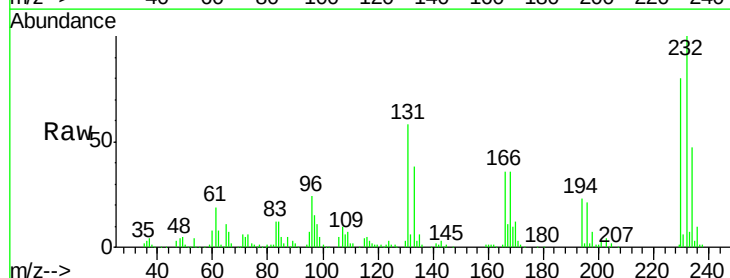
Ion Ratio Lower Upper

232 100

131 55.4 44.9 67.3

130 2.8 2.3 3.5

166 34.3 28.1 42.1

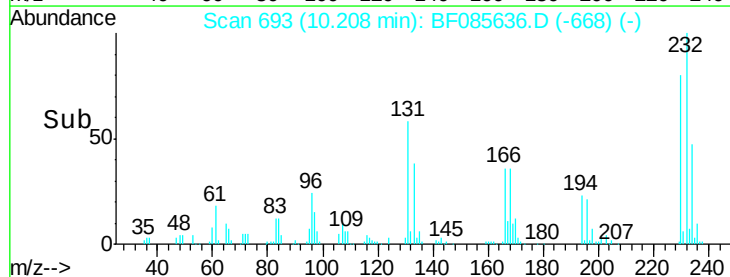
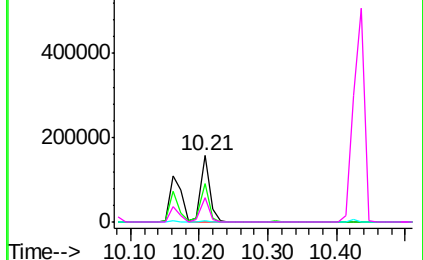


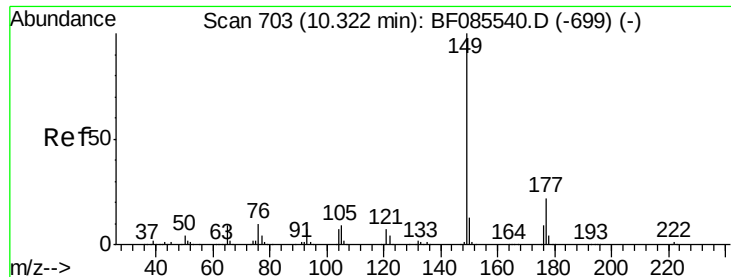
Abundance Ion 232.00 (231.70 to 232.70): E

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

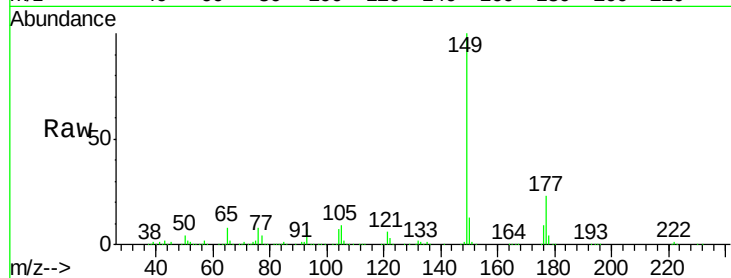




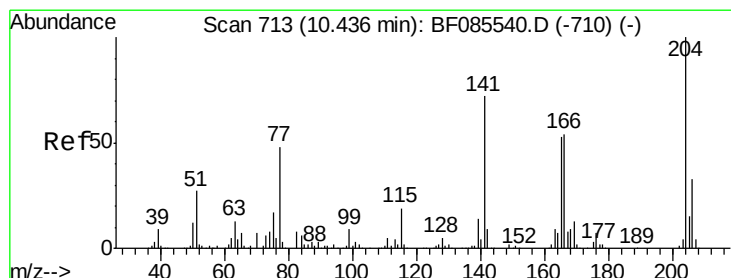
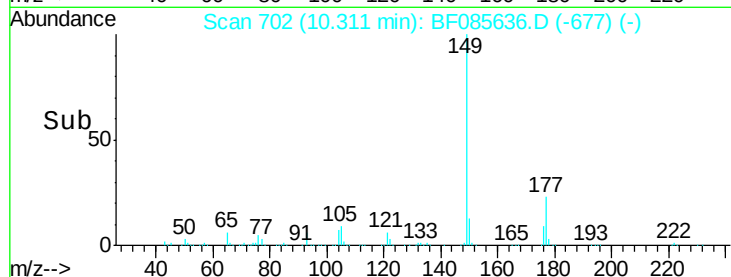
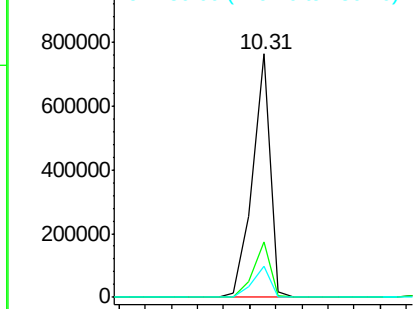
#59
Diethylphthalate
Concen: 47.43 ng
RT: 10.31 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion:149 Resp: 720969
Ion Ratio Lower Upper
149 100
177 22.7 17.9 26.9
150 12.6 10.2 15.2

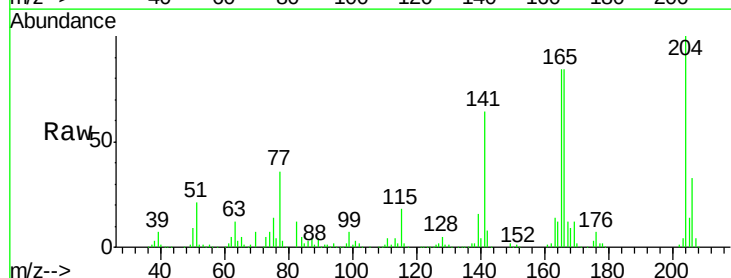


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

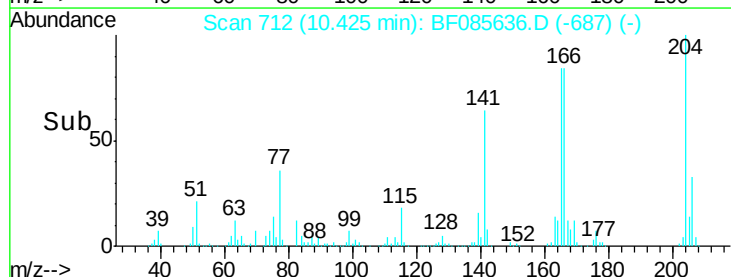
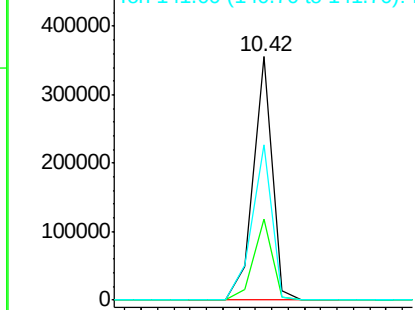


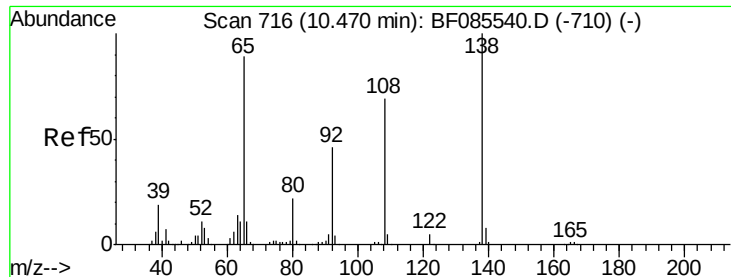
#60
4-Chlorophenyl-phenylether
Concen: 44.81 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:204 Resp: 287915
Ion Ratio Lower Upper
204 100
206 33.1 26.6 39.8
141 63.6 57.4 86.0



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: 36.22 ng

RT: 10.45 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

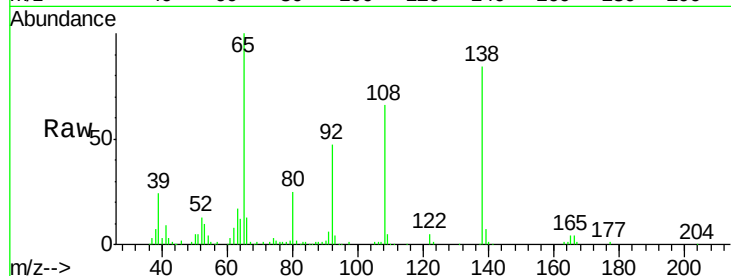
Tgt Ion:138 Resp: 144331

Ion Ratio Lower Upper

138 100

92 56.2 26.4 66.4

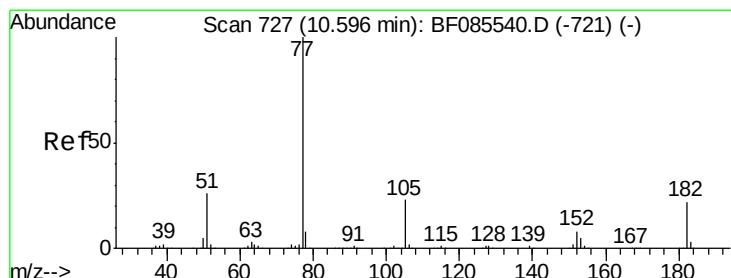
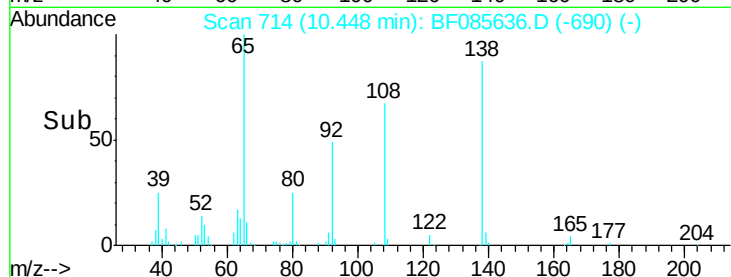
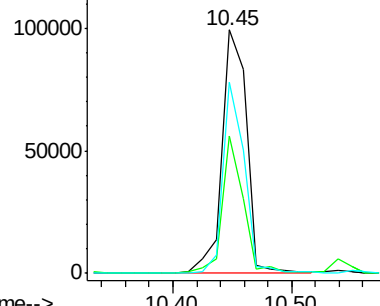
108 78.3 49.0 89.0



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: 47.56 ng

RT: 10.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion: 77 Resp: 693662

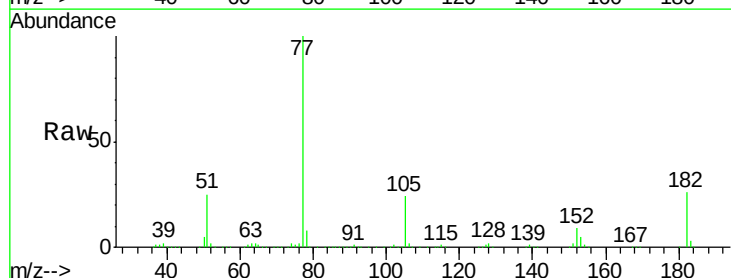
Ion Ratio Lower Upper

77 100

182 25.8 1.9 41.9

105 24.3 3.5 43.5

51 25.1 6.3 46.3

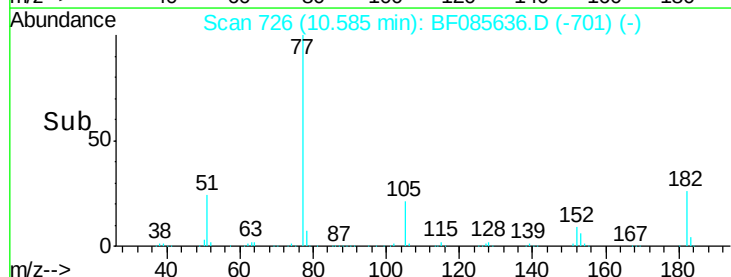
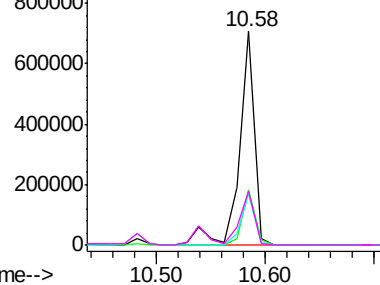


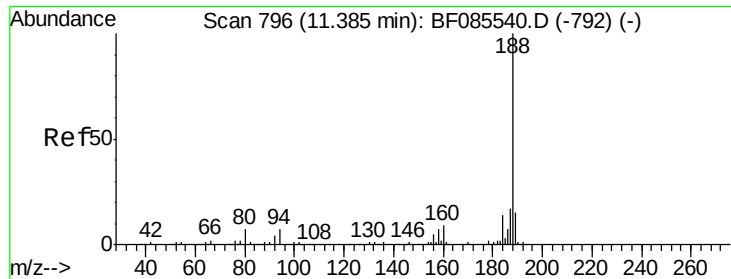
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

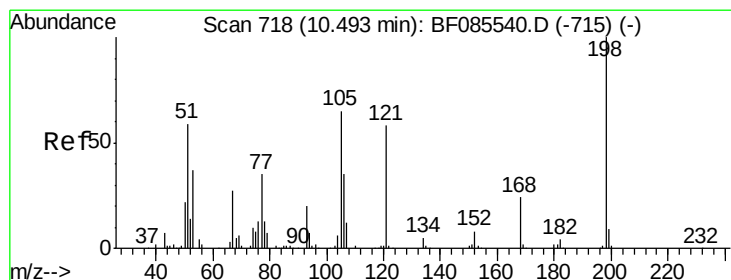
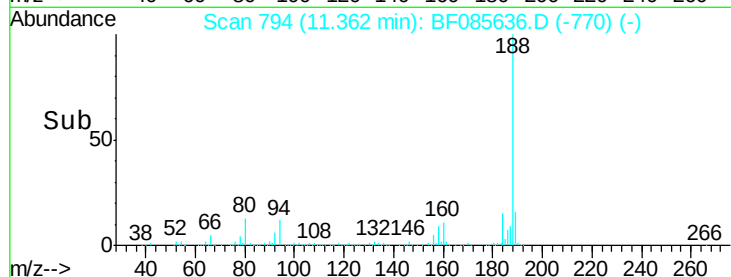
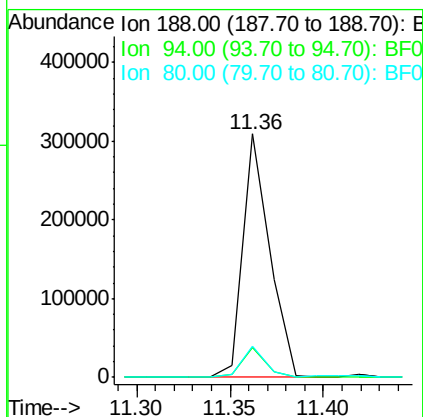
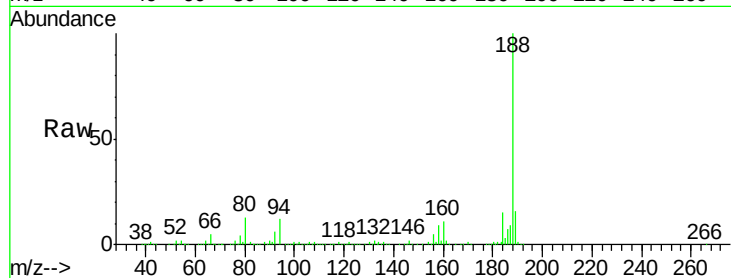




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

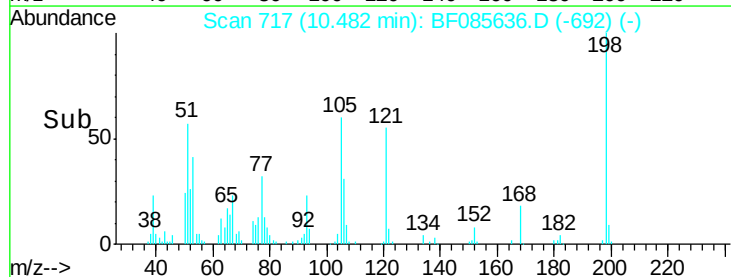
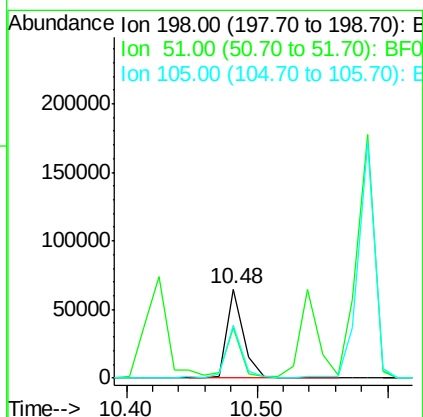
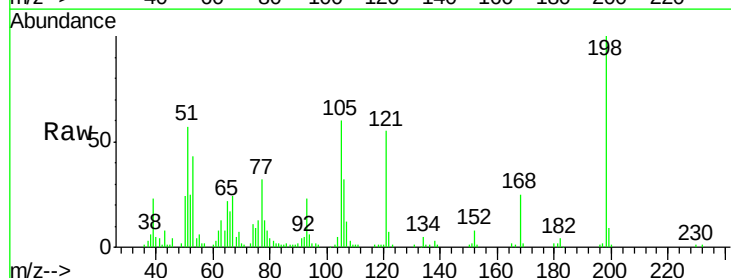
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

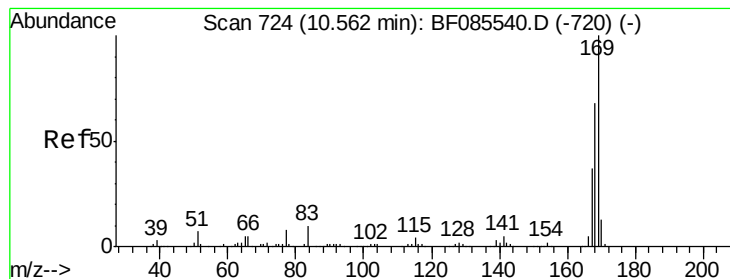
Tgt Ion:188 Resp: 309708
Ion Ratio Lower Upper
188 100
94 12.0 5.4 8.0#
80 12.9 5.5 8.3#



#64
4,6-Dinitro-2-methylphenol
Concen: 29.59 ng
RT: 10.48 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:198 Resp: 58639
Ion Ratio Lower Upper
198 100
51 56.6 45.4 85.4
105 59.7 45.9 85.9





#65

n-Nitrosodiphenylamine

Concen: 52.00 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

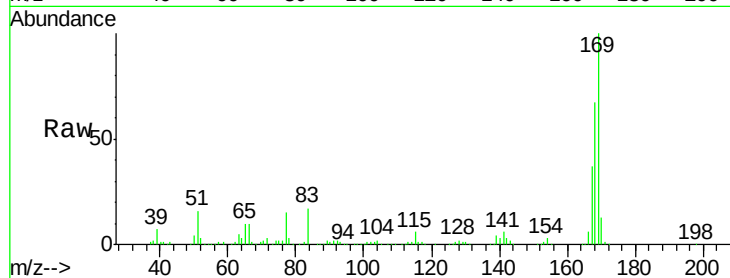
Tgt Ion:169 Resp: 501704

Ion Ratio Lower Upper

169 100

168 67.1 54.4 81.6

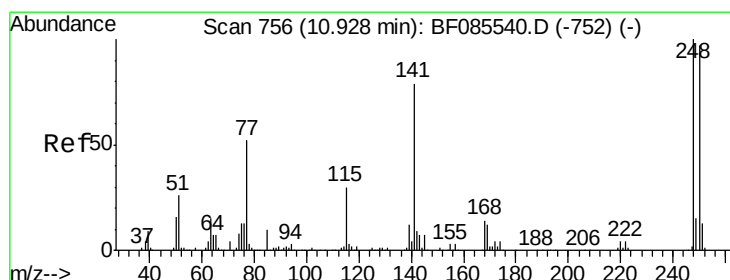
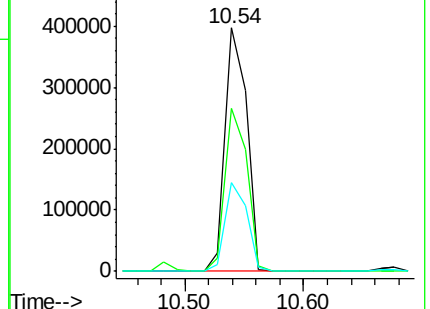
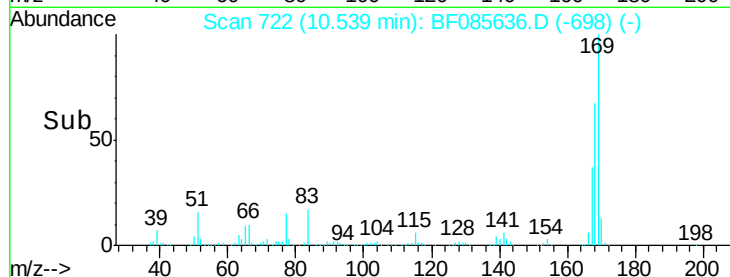
167 36.5 29.4 44.0



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: 55.10 ng

RT: 10.92 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

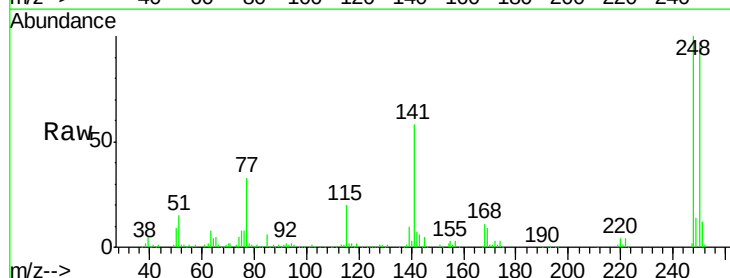
Tgt Ion:248 Resp: 170464

Ion Ratio Lower Upper

248 100

250 96.9 77.4 116.0

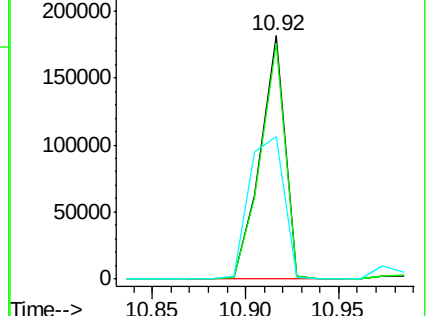
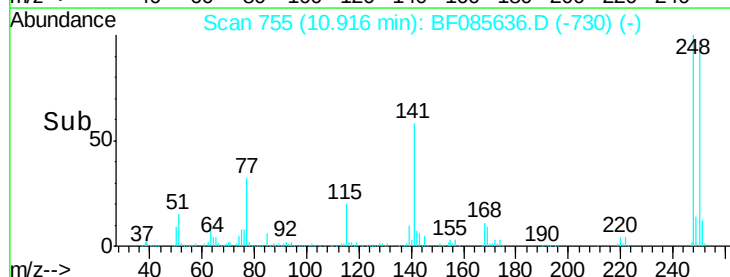
141 58.3 63.6 95.4#

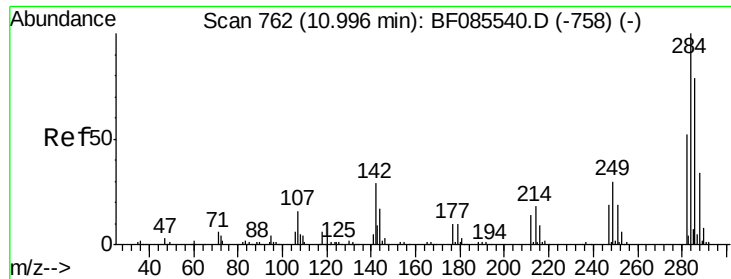


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.64 ng

RT: 10.98 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

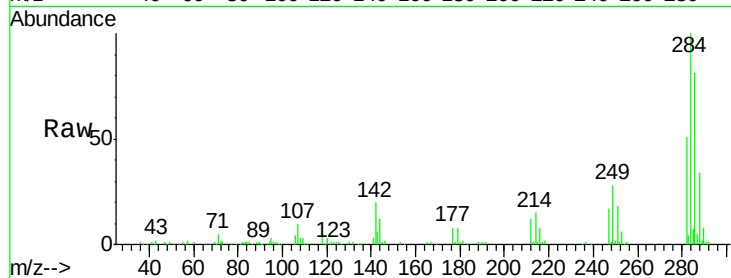
Tgt Ion:284 Resp: 166466

Ion Ratio Lower Upper

284 100

142 19.9 23.1 34.7#

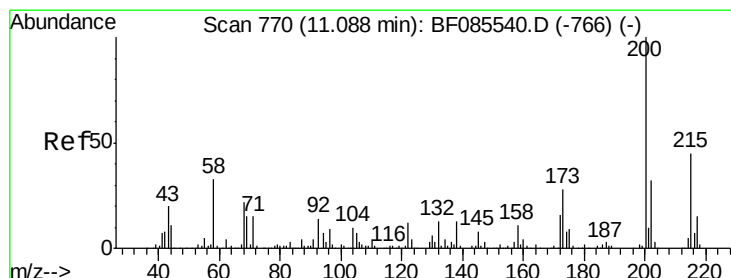
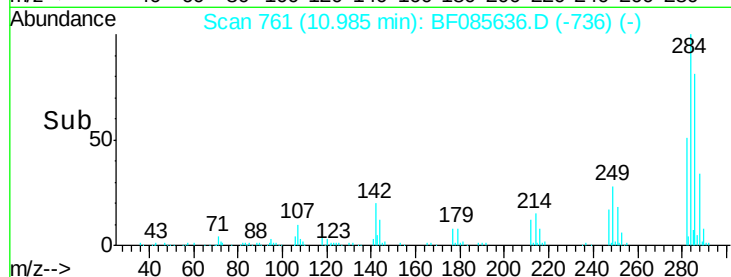
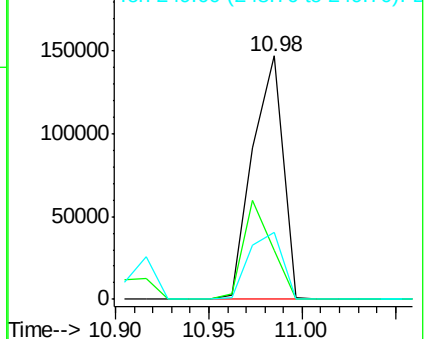
249 27.7 24.2 36.2



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: 57.36 ng

RT: 11.08 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

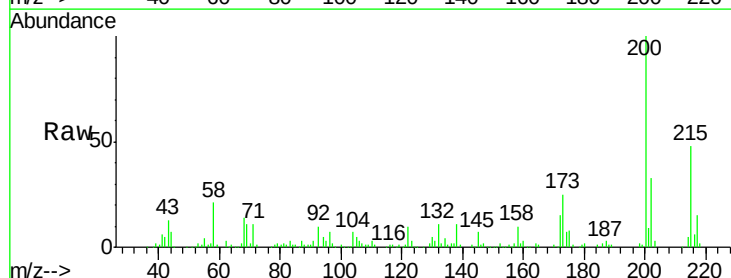
Tgt Ion:200 Resp: 168492

Ion Ratio Lower Upper

200 100

173 25.3 7.7 47.7

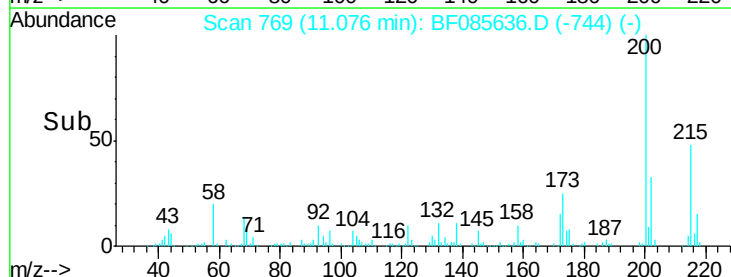
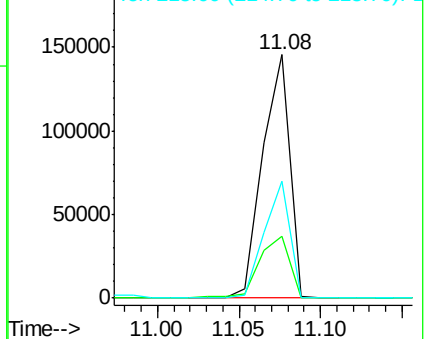
215 48.0 25.4 65.4

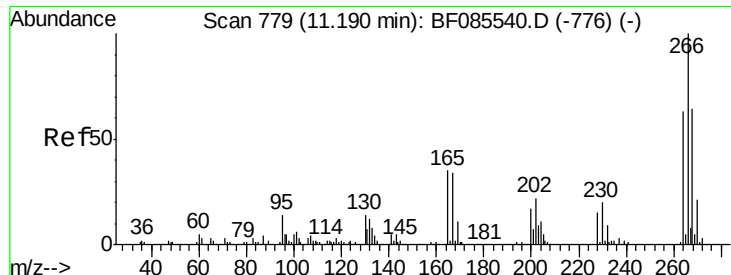


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

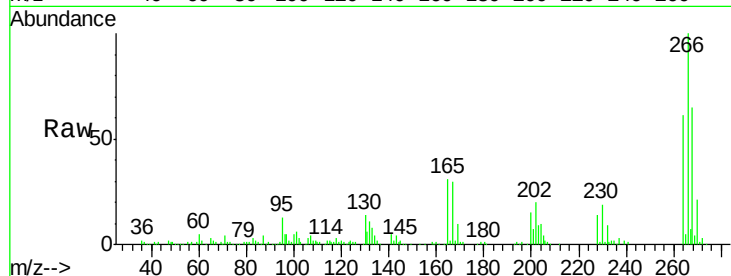




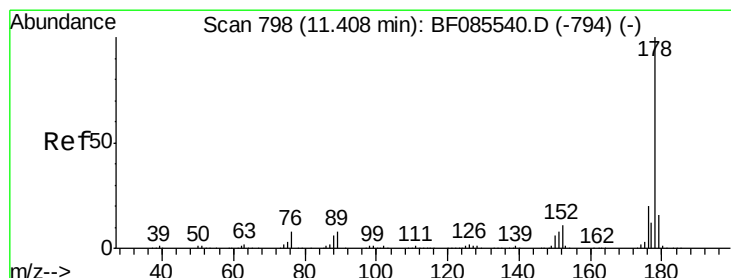
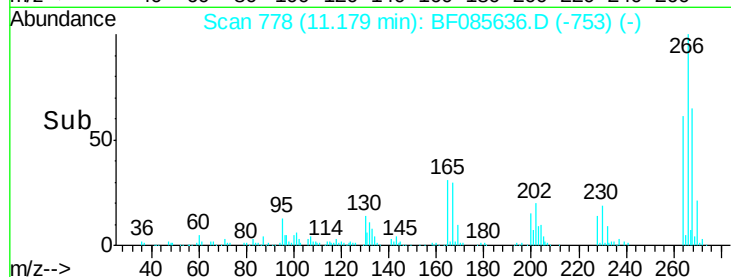
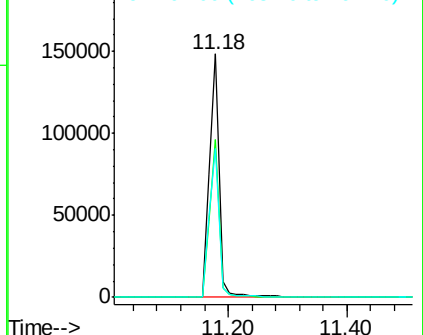
#69
 Pentachlorophenol
 Concen: 85.18 ng
 RT: 11.18 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:266 Resp: 169989
 Ion Ratio Lower Upper
 266 100
 268 64.6 51.5 77.3
 264 61.0 50.6 76.0

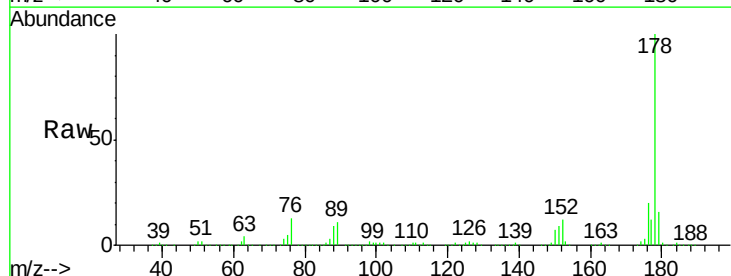


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

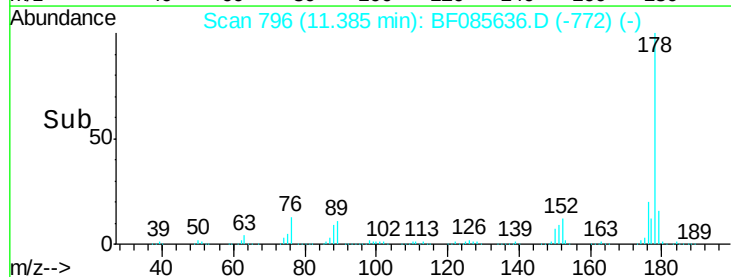
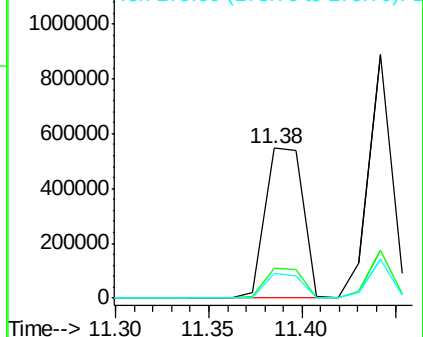


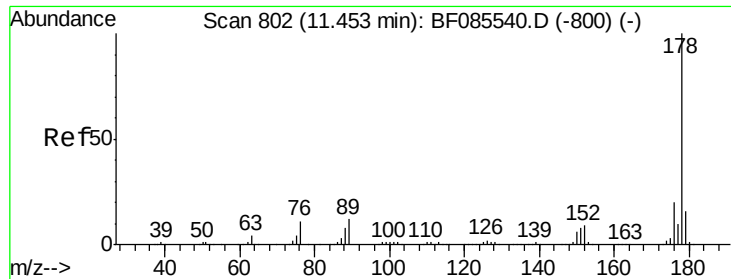
#70
 Phenanthrene
 Concen: 46.77 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:178 Resp: 763684
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.3 24.5
 179 16.1 12.6 18.8



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

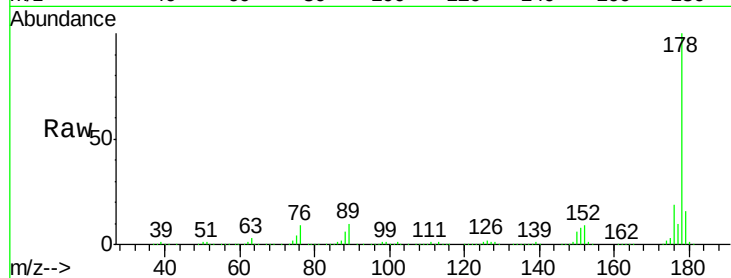




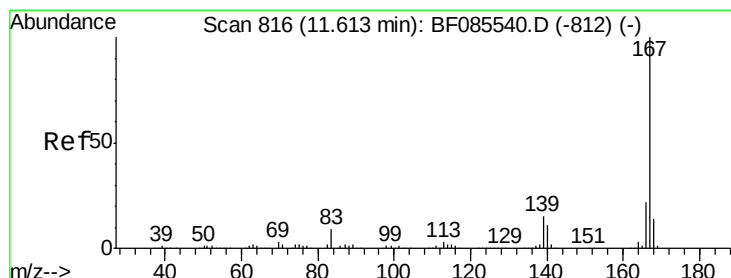
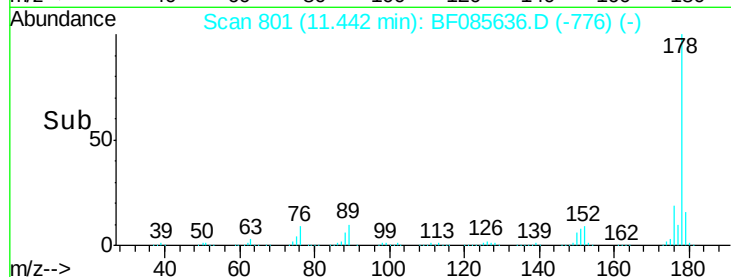
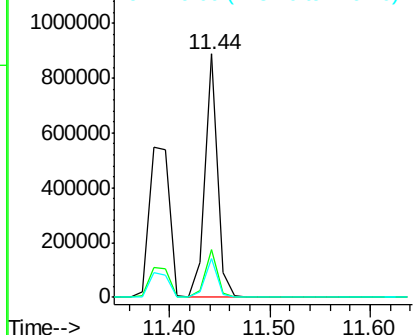
#71
 Anthracene
 Concen: 44.84 ng
 RT: 11.44 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion:178 Resp: 767697
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 16.0 13.0 19.4

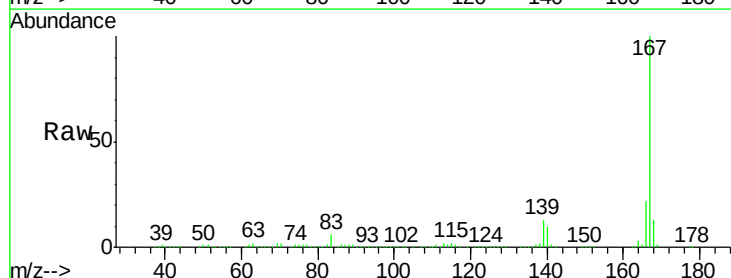


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

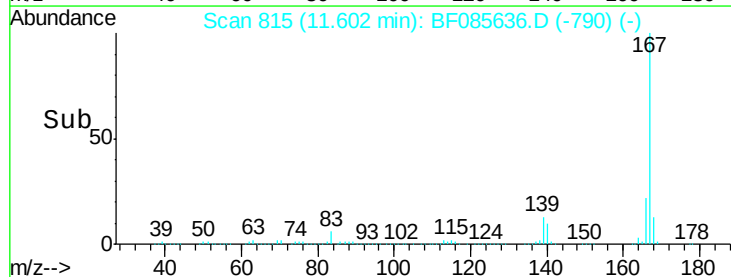
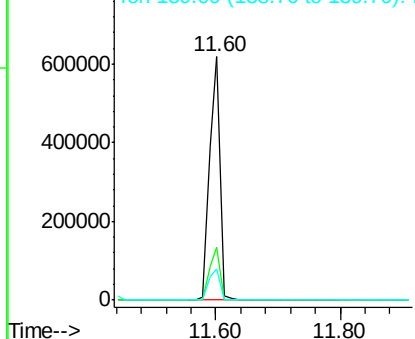


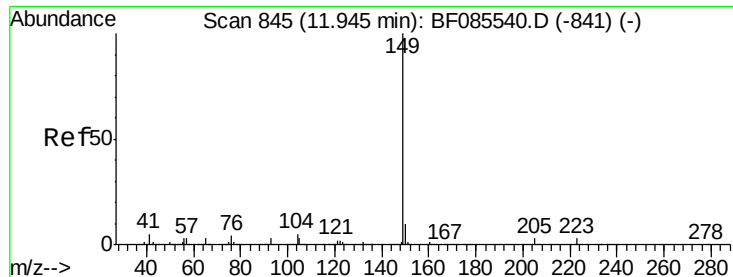
#72
 Carbazole
 Concen: 48.47 ng
 RT: 11.60 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:167 Resp: 716026
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.8 26.8
 139 12.9 11.6 17.4



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: 50.31 ng

RT: 11.93 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

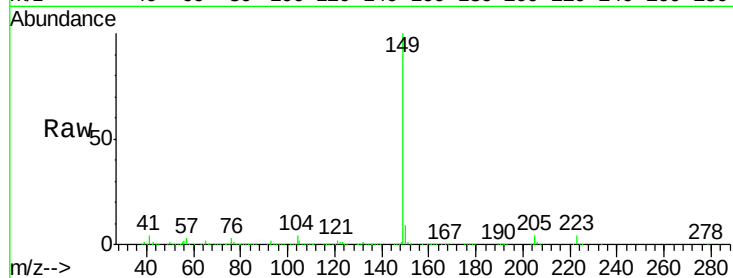
Tgt Ion:149 Resp: 930637

Ion Ratio Lower Upper

149 100

150 9.0 7.6 11.4

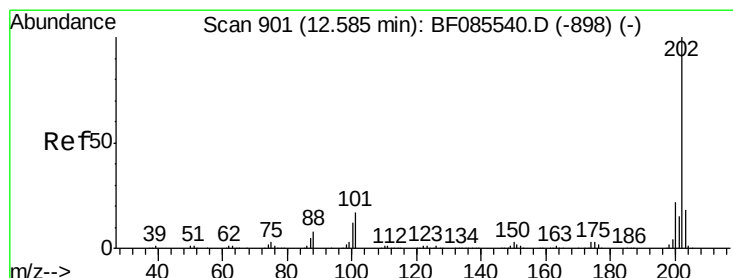
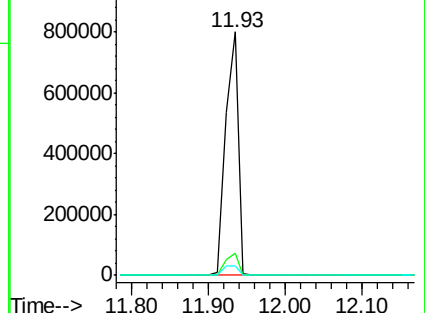
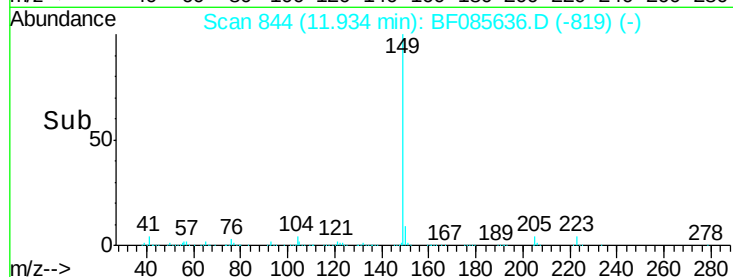
104 3.9 3.8 5.8



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: 38.48 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

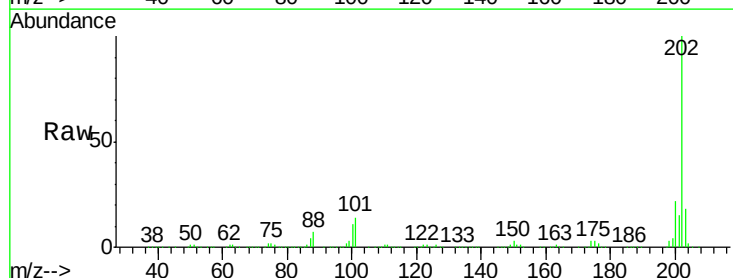
Tgt Ion:202 Resp: 657941

Ion Ratio Lower Upper

202 100

101 14.0 0.0 36.6

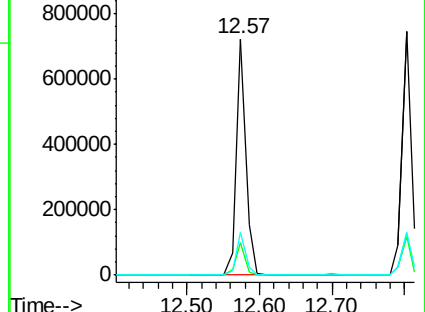
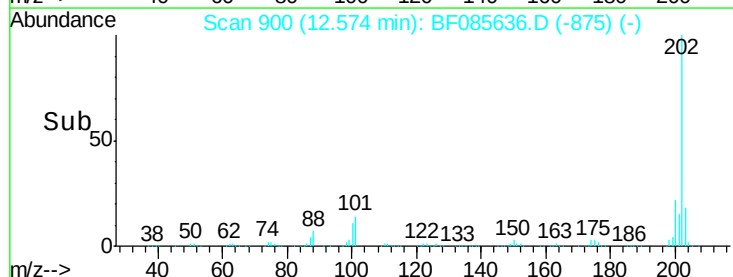
203 18.3 0.0 38.1

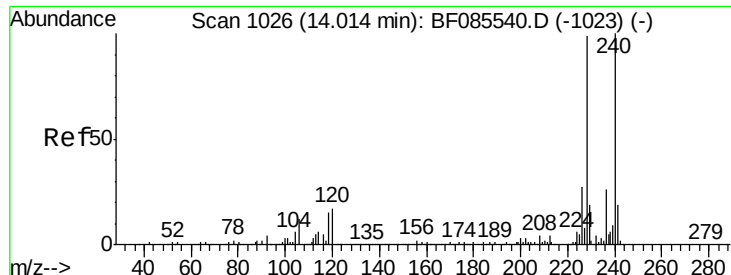


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

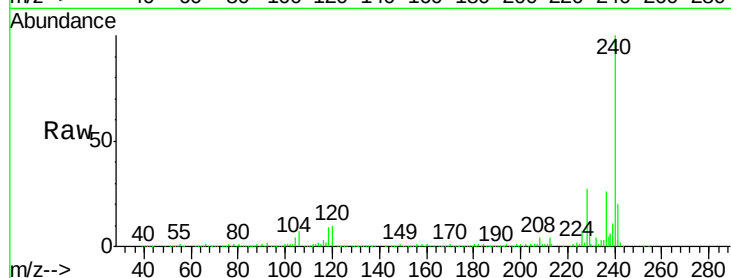
Tgt Ion:240 Resp: 243147

Ion Ratio Lower Upper

240 100

120 10.3 13.8 20.8#

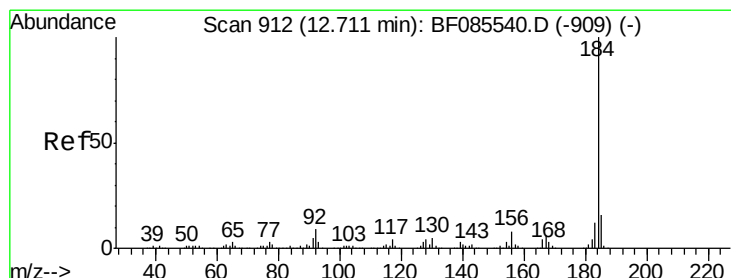
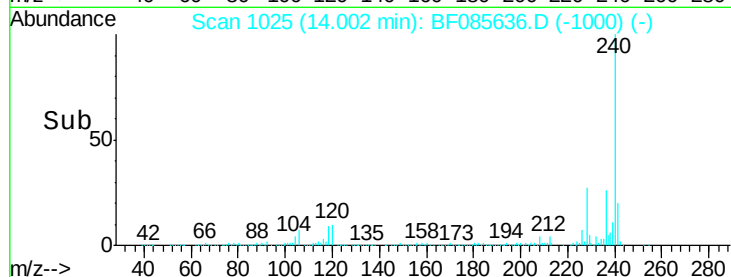
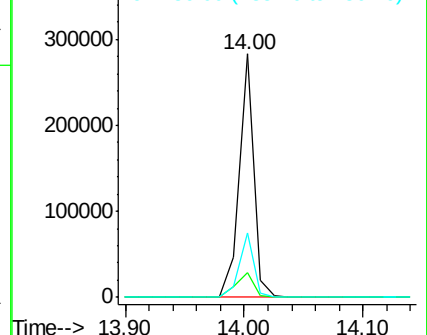
236 26.3 20.6 30.8



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: 56.29 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

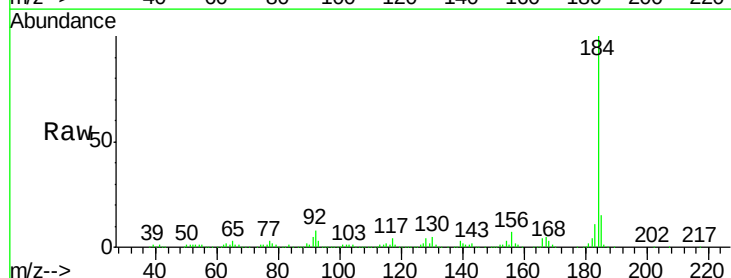
Tgt Ion:184 Resp: 460273

Ion Ratio Lower Upper

184 100

185 14.5 12.4 18.6

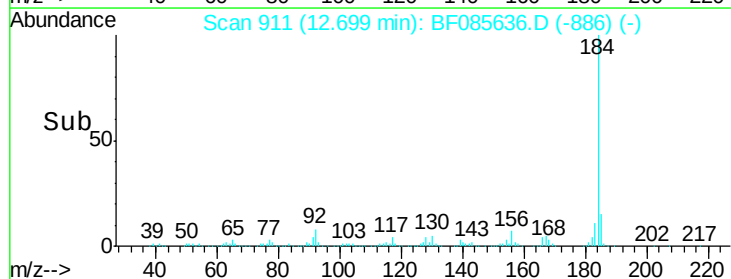
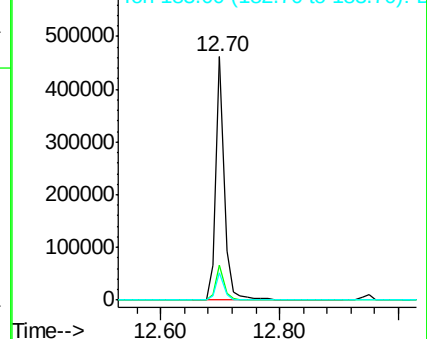
183 11.4 9.4 14.2

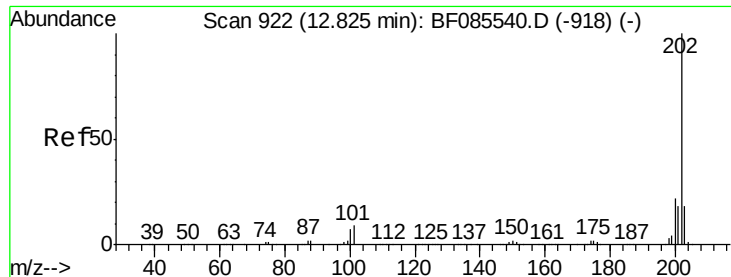


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

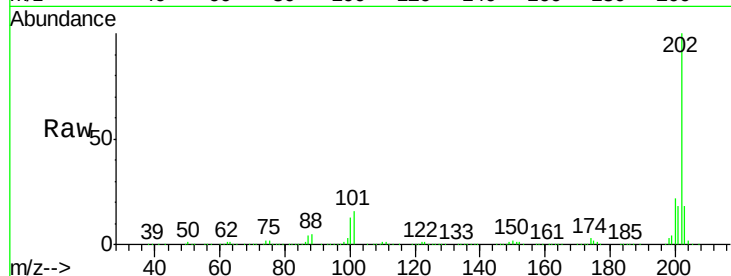




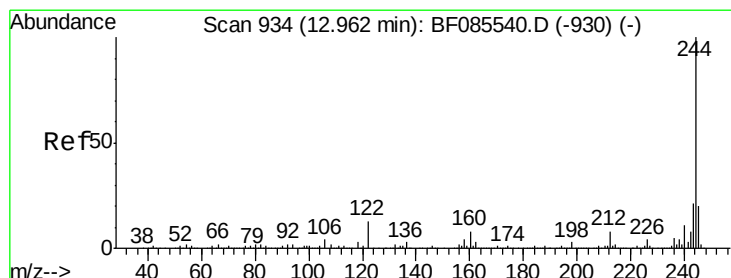
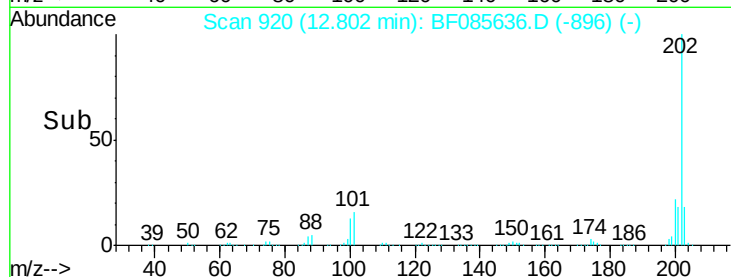
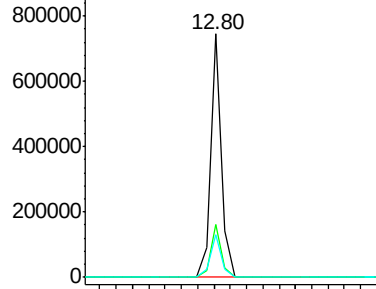
#77
 Pyrene
 Concen: 38.95 ng
 RT: 12.80 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.7	14.0	21.0

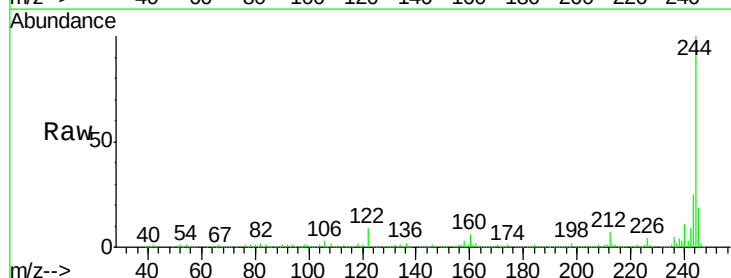


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

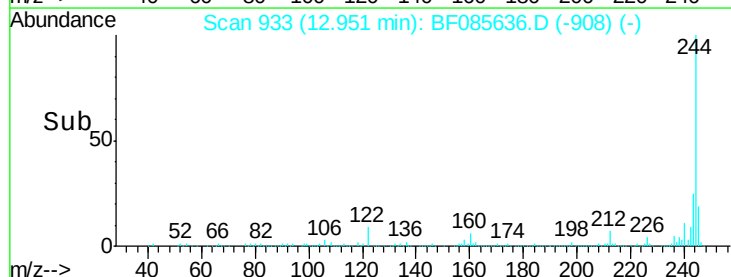
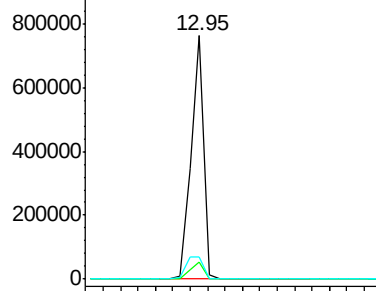


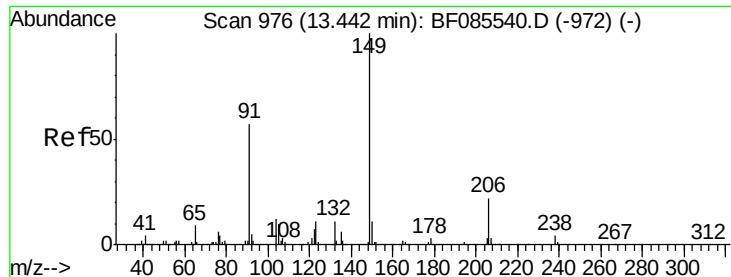
#78
 Terphenyl-d14
 Concen: 77.10 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	9.1	10.2	15.4



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

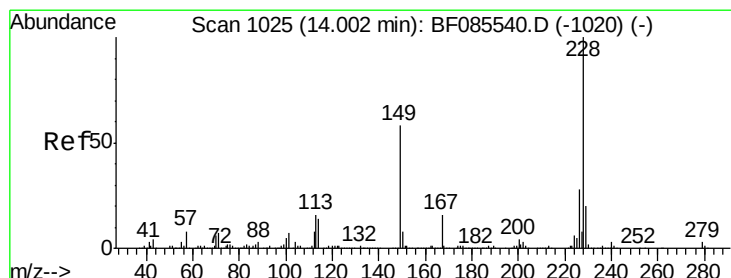
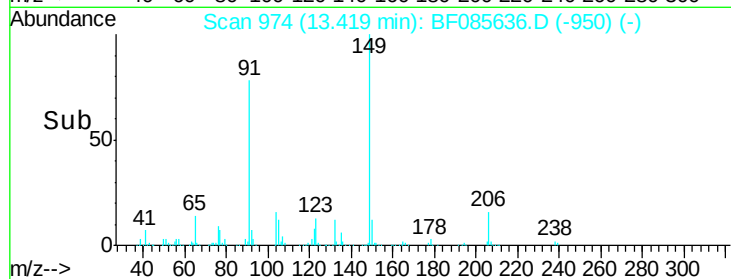
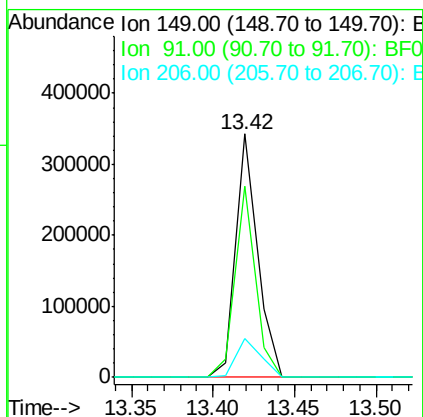
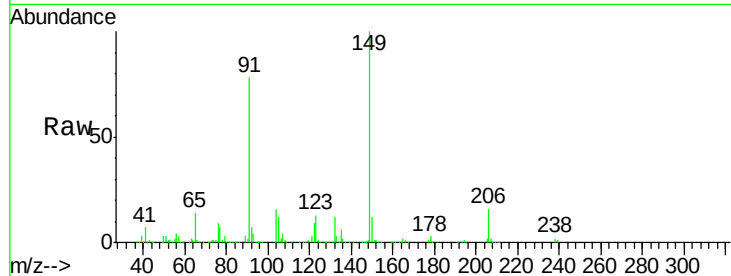




#79
Butylbenzylphthalate
Concen: 37.90 ng
RT: 13.42 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

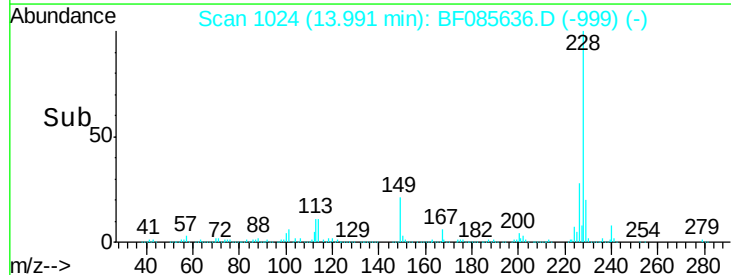
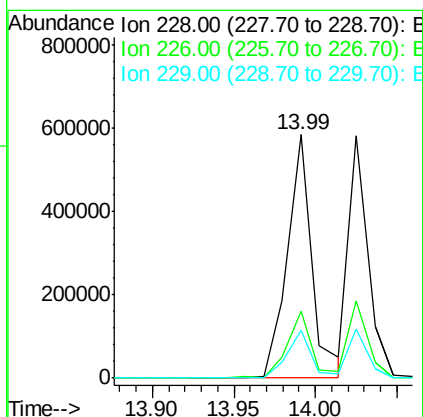
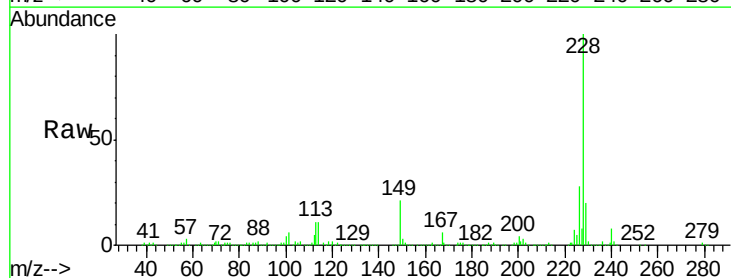
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

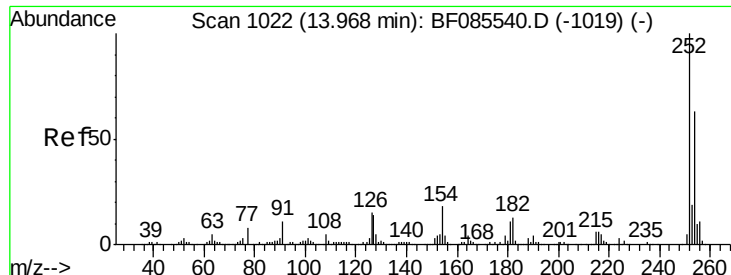
Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.4	45.8	68.8#
206	16.1	17.8	26.8#



#80
Benzo(a)anthracene
Concen: 43.84 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.6	16.2	24.4

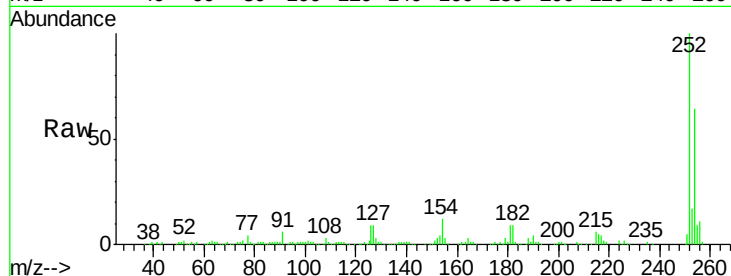




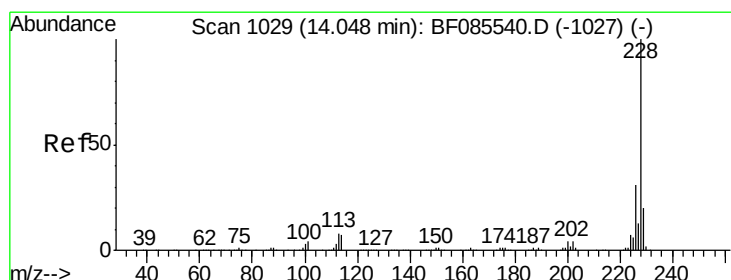
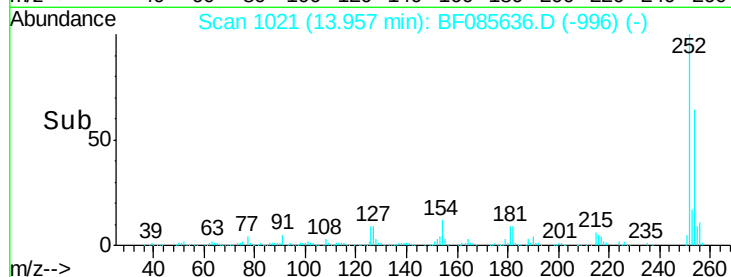
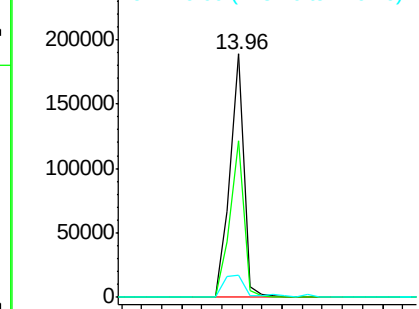
#81
 3,3'-Dichlorobenzidine
 Concen: 35.76 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion: 252 Resp: 184964
 Ion Ratio Lower Upper
 252 100
 254 64.2 50.7 76.1
 126 9.2 11.8 17.6#

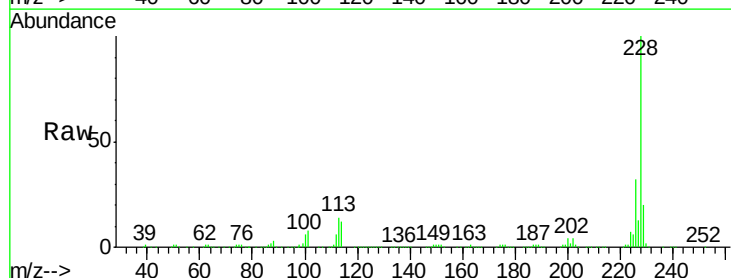


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

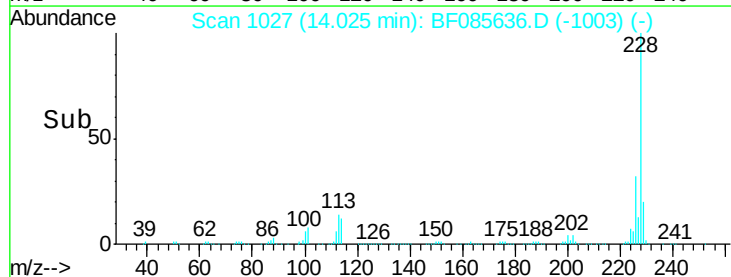
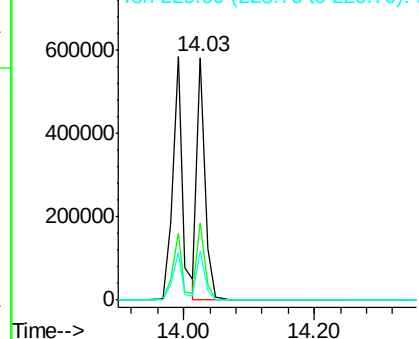


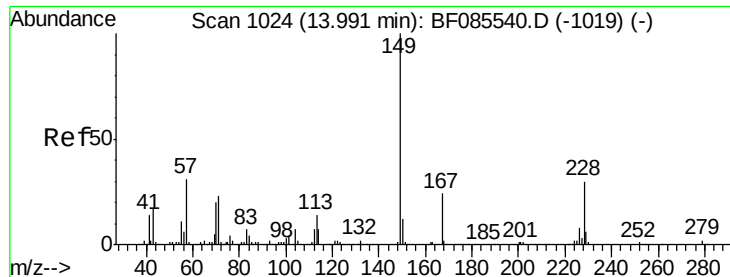
#82
 Chrysene
 Concen: 36.82 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion: 228 Resp: 499959
 Ion Ratio Lower Upper
 228 100
 226 31.8 25.0 37.6
 229 20.3 15.7 23.5



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

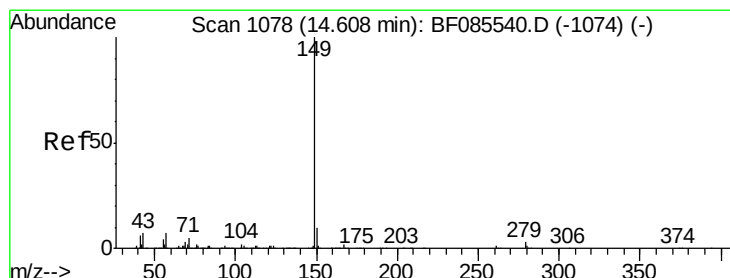
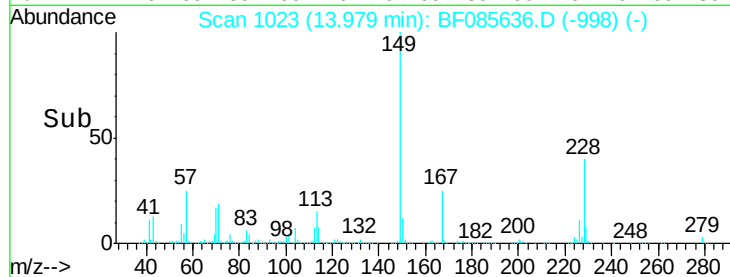
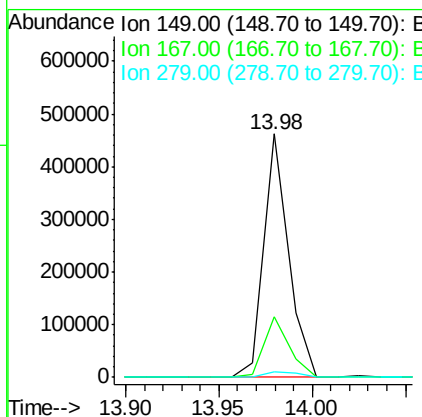
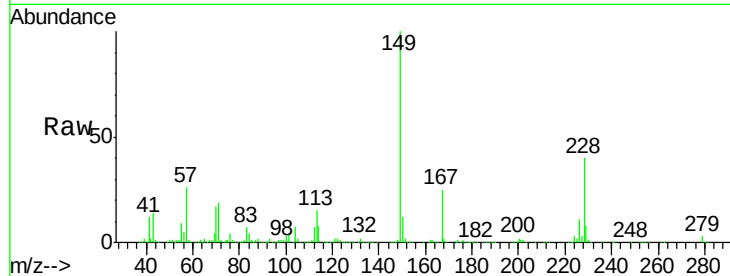




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.66 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

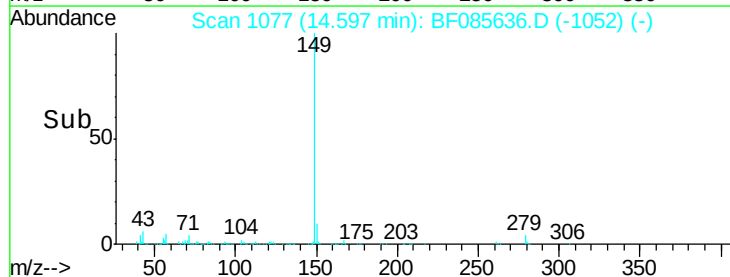
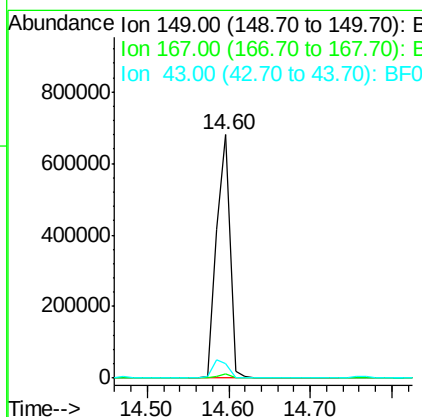
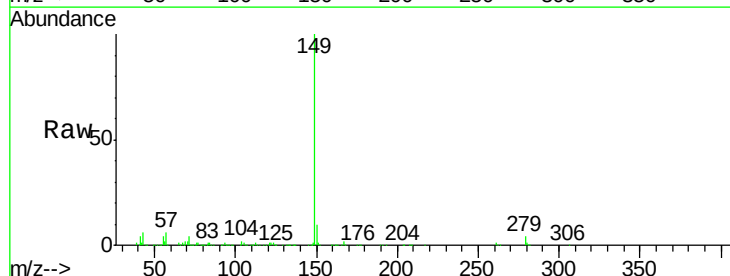
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

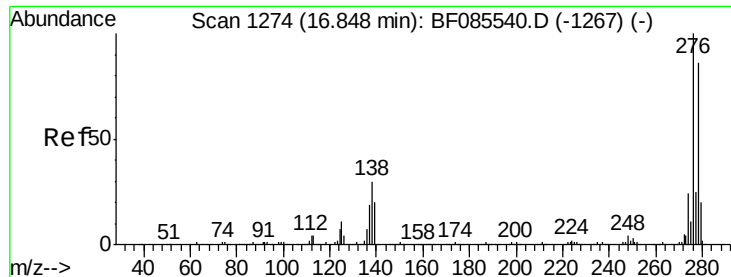
Tgt Ion:149 Resp: 420384
 Ion Ratio Lower Upper
 149 100
 167 25.0 19.4 29.2
 279 2.5 1.5 2.3#



#84
 Di-n-octyl phthalate
 Concen: 45.88 ng
 RT: 14.60 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion:149 Resp: 772925
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 8.2 7.1 10.7

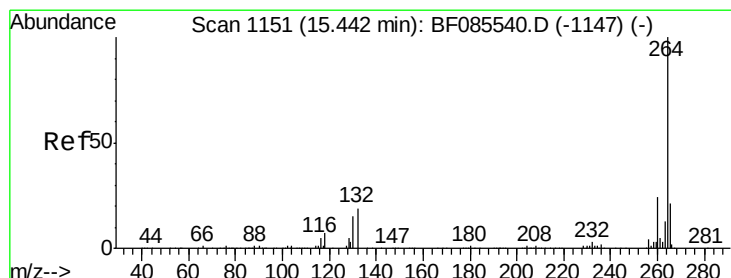
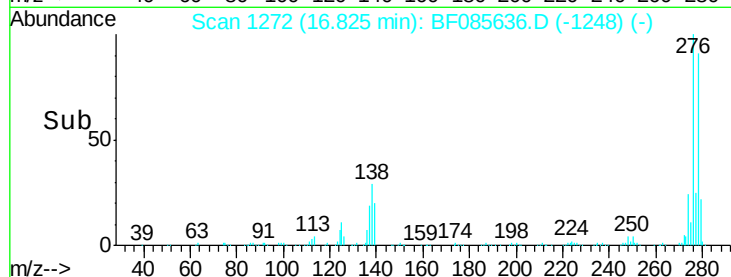
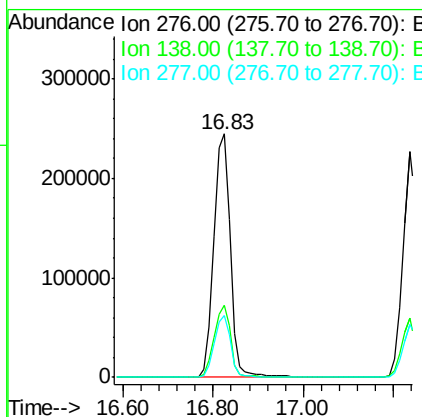
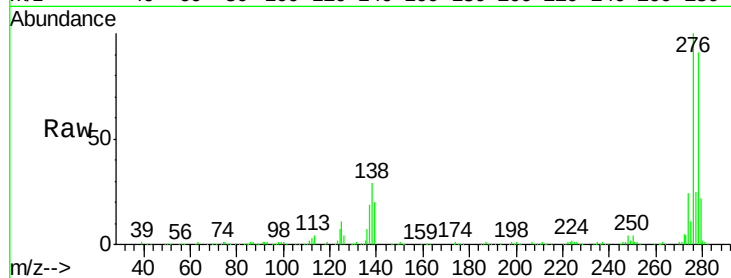




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 55.56 ng
 RT: 16.83 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

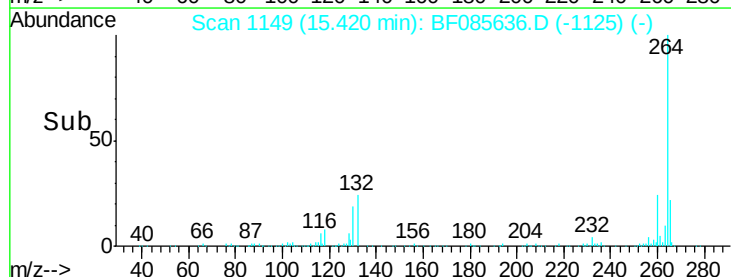
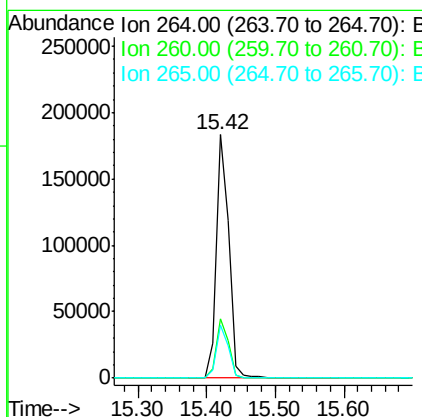
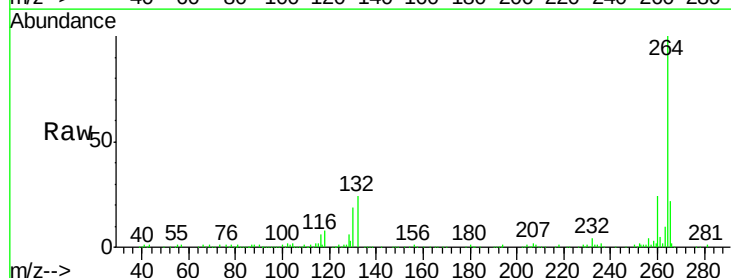
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

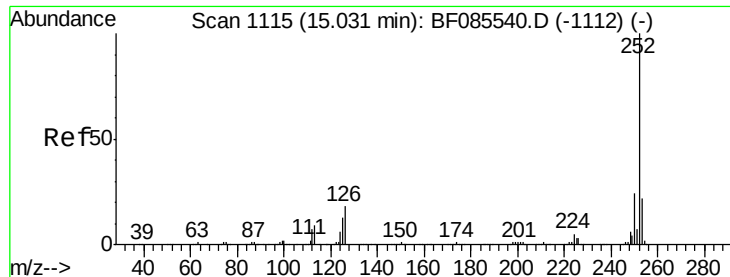
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	24.2	36.4
277	25.1	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	17.2	25.8

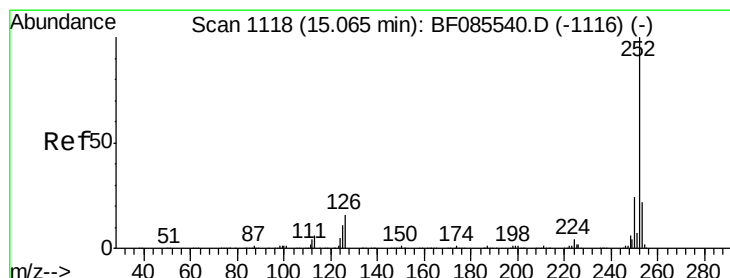
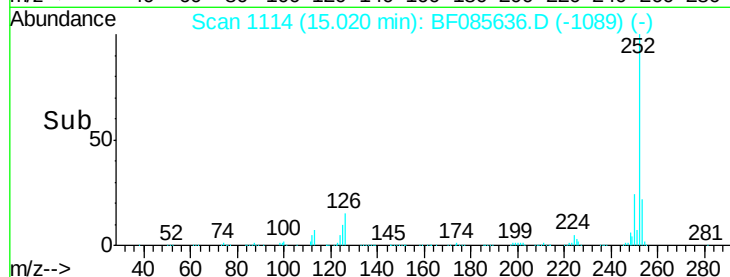
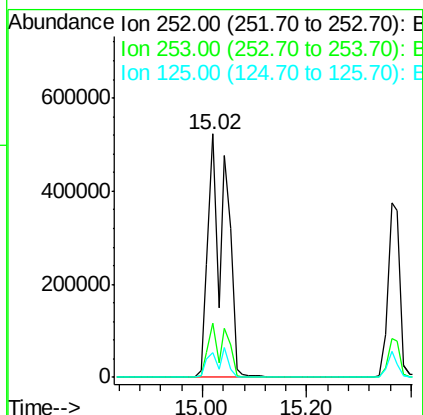
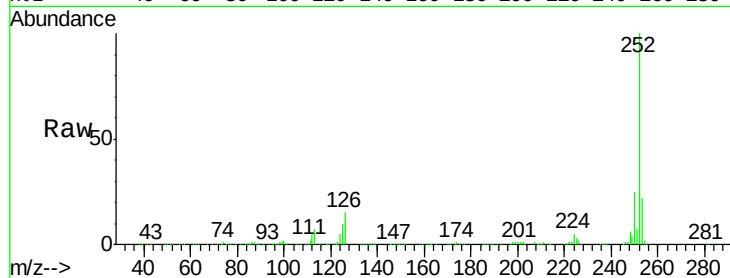




#87
Benzo(b)fluoranthene
Concen: 78.36 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

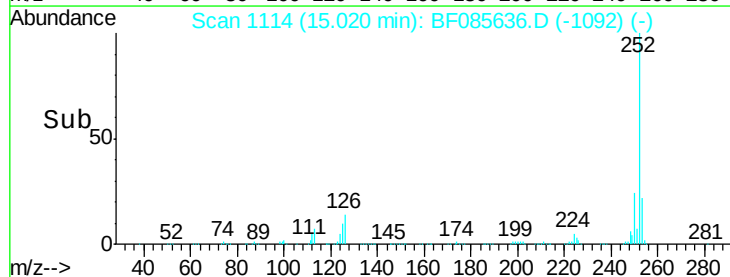
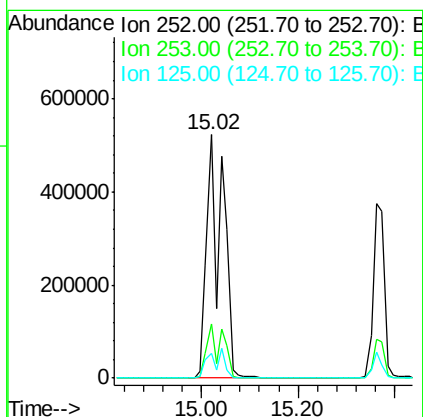
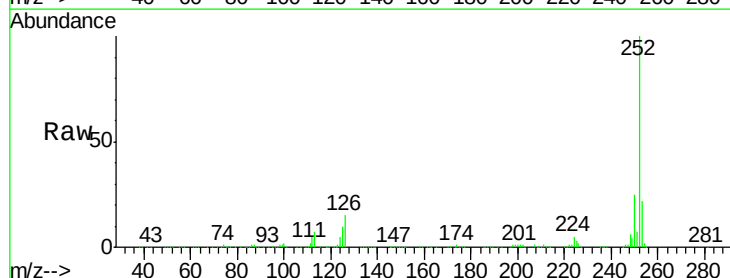
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

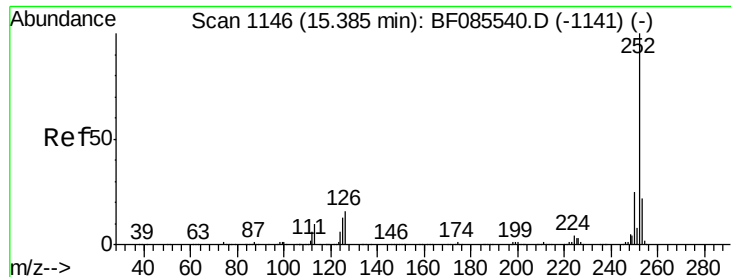
Tgt Ion:252 Resp: 1214595
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 10.2 10.3 15.5#



#88
Benzo(k)fluoranthene
Concen: 95.16 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.05 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:252 Resp: 1215232
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.2 7.7 11.5





#89

Benzo(a)pyrene

Concen: 45.82 ng

RT: 15.36 min Scan# 1144

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

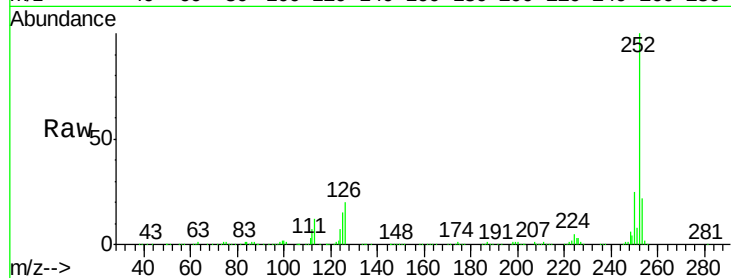
Tgt Ion:252 Resp: 602037

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

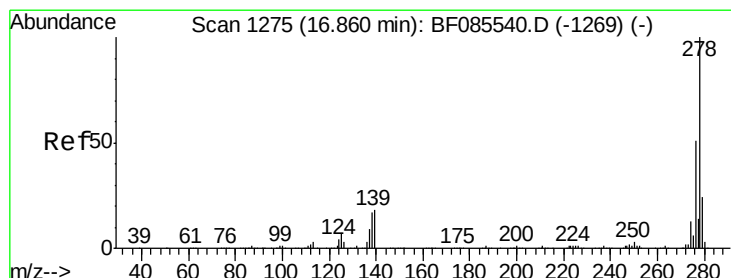
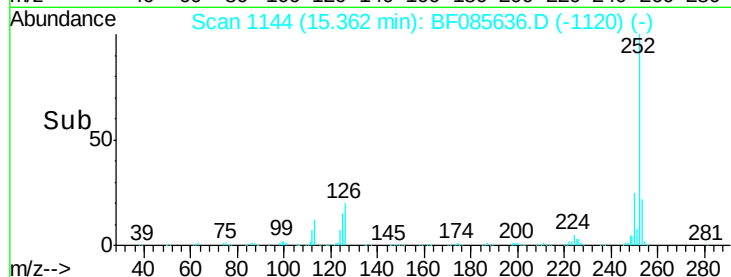
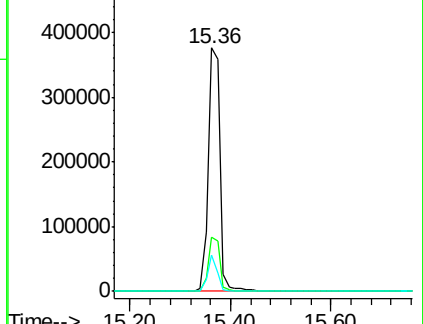
125 14.8 10.3 15.5



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: 49.45 ng

RT: 16.84 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

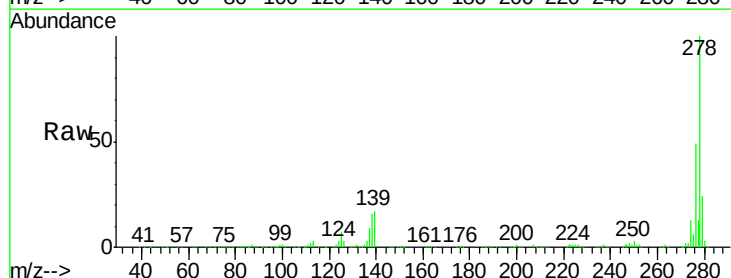
Tgt Ion:278 Resp: 541999

Ion Ratio Lower Upper

278 100

139 16.6 14.4 21.6

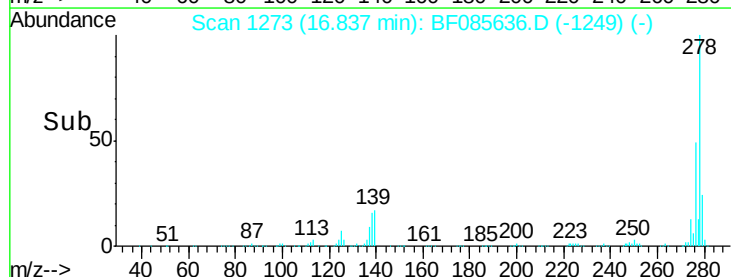
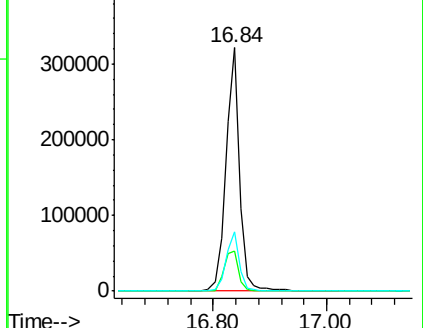
279 24.3 19.1 28.7

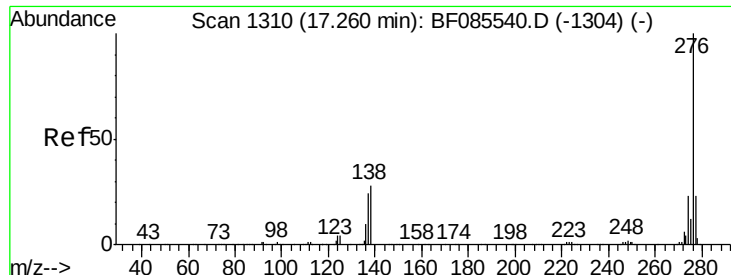


Abundance Ion 278.00 (277.70 to 278.70): E

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: 46.93 ng

RT: 17.24 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF085636.D

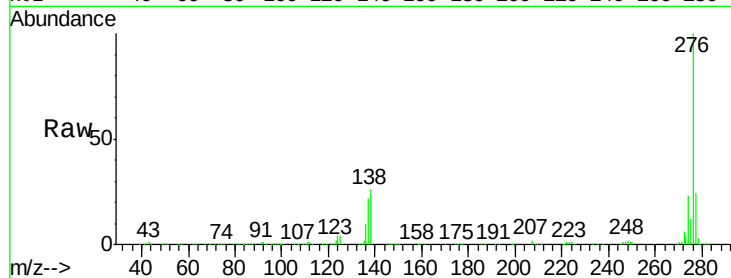
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD



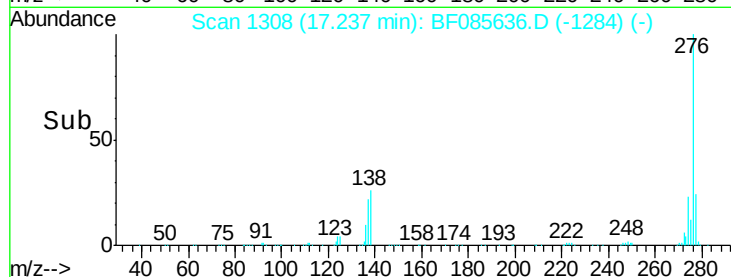
Tgt Ion: 276 Resp: 497891

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 26.0 22.6 34.0



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

