

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040416\
 Data File : BF086038.D
 Acq On : 4 Apr 2016 15:03
 Operator : UM/SJ
 Sample : PB89407BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Quant Time: Apr 05 00:54:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	119327	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	474053	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	229342	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	439484	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	343917	20.00	ng	-0.01
86) Perylene-d12	15.32	264	310693	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	790208	113.19	ng	0.00
7) Phenol-d6	6.41	99	1018536	114.86	ng	-0.01
23) Nitrobenzene-d5	7.33	82	619577	77.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	254105	118.05	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1166426	84.56	ng	-0.01
78) Terphenyl-d14	12.86	244	1080352	73.84	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.37	88	101714	30.73	ng	99
3) Pyridine	3.07	79	277916	37.51	ng	98
4) n-Nitrosodimethylamine	3.02	42	123591	37.93	ng	99
6) Aniline	6.43	93	210034	18.05	ng	# 67
8) 2-Chlorophenol	6.54	128	304628	36.59	ng	89
9) Benzaldehyde	6.32	77	130930	27.44	ng	90
10) Phenol	6.42	94	328307	32.46	ng	92
11) bis(2-Chloroethyl)ether	6.50	93	278154	34.73	ng	93
12) 1,3-Dichlorobenzene	6.70	146	322502	36.55	ng	98
13) 1,4-Dichlorobenzene	6.77	146	323861	35.63	ng	98
14) 1,2-Dichlorobenzene	6.93	146	307896	36.80	ng	100
15) Benzyl Alcohol	6.92	79	230497	40.18	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.05	45	344940	35.25	ng	88
17) 2-Methylphenol	7.04	107	261570	39.85	ng	97
18) Hexachloroethane	7.26	117	121397	36.31	ng	# 80
19) n-Nitroso-di-n-propylamine	7.18	70	203911	37.10	ng	97
20) 3+4-Methylphenols	7.18	107	326987	40.96	ng	97
22) Acetophenone	7.18	105	413744	37.13	ng	# 94
24) Nitrobenzene	7.36	77	330278	37.56	ng	# 86
25) Isophorone	7.60	82	605424	38.15	ng	# 94
26) 2-Nitrophenol	7.66	139	162930	38.72	ng	# 80
27) 2,4-Dimethylphenol	7.71	122	274590	36.33	ng	99
28) bis(2-Chloroethoxy)methane	7.80	93	360606	38.73	ng	98
29) 2,4-Dichlorophenol	7.92	162	254540	39.84	ng	98
30) 1,2,4-Trichlorobenzene	8.00	180	273079	38.08	ng	95
31) Naphthalene	8.06	128	869497	36.46	ng	99
32) Benzoic acid	7.86	122	168635	30.42	ng	99
33) 4-Chloroaniline	8.13	127	83300	8.65	ng	97
34) Hexachlorobutadiene	8.19	225	143281	37.16	ng	99
35) Caprolactam	8.50	113	48141	23.75	ng	97
36) 4-Chloro-3-methylphenol	8.62	107	308583	42.97	ng	96
37) 2-Methylnaphthalene	8.76	142	599716	38.50	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	246905	35.82	ng	99
40) Hexachlorocyclopentadiene	8.91	237	186170	76.12	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	172537	38.98	ng	99
43) 2,4,5-Trichlorophenol	9.09	196	174414	38.81	ng	96
45) 1,1'-Biphenyl	9.22	154	697456	35.27	ng	99
46) 2-Chloronaphthalene	9.25	162	547684	38.21	ng	98
47) 2-Nitroaniline	9.36	65	176856	42.17	ng	86
48) Acenaphthylene	9.66	152	883190	38.46	ng	99
49) Dimethylphthalate	9.53	163	662671	38.98	ng	99
50) 2,6-Dinitrotoluene	9.60	165	148122	41.19	ng	89
51) Acenaphthene	9.84	154	528353	38.69	ng	98
52) 3-Nitroaniline	9.77	138	76247	17.59	ng	91
53) 2,4-Dinitrophenol	9.88	184	135235	62.01	ng	# 84
54) Dibenzofuran	10.01	168	724776	40.19	ng	99
55) 4-Nitrophenol	9.95	139	218330	85.44	ng	83
56) 2,4-Dinitrotoluene	10.01	165	191579	42.16	ng	# 73
57) Fluorene	10.35	166	610686	39.64	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.13	232	147248	44.01	ng	95
59) Diethylphthalate	10.22	149	644176	37.55	ng	97
60) 4-Chlorophenyl-phenylether	10.34	204	269845	37.60	ng	99
61) 4-Nitroaniline	10.38	138	170388	39.92	ng	96
62) Azobenzene	10.50	77	688550	41.90	ng	98
64) 4,6-Dinitro-2-methylphenol	10.42	198	101255	38.02	ng	# 58
65) n-Nitrosodiphenylamine	10.46	169	540975	39.36	ng	99
66) 4-Bromophenyl-phenylether	10.83	248	177917	39.65	ng	98
67) Hexachlorobenzene	10.90	284	189191	40.77	ng	98
68) Atrazine	10.99	200	164884	37.13	ng	96
69) Pentachlorophenol	11.09	266	168220	77.36	ng	98
70) Phenanthrene	11.31	178	933204	38.92	ng	100
71) Anthracene	11.36	178	894981	35.63	ng	99
72) Carbazole	11.52	167	789893	36.59	ng	99
73) Di-n-butylphthalate	11.85	149	1052894	39.36	ng	100
74) Fluoranthene	12.50	202	958010	38.42	ng	89
76) Benzidine	12.61	184	315185	25.98	ng	99
77) Pyrene	12.72	202	944677	38.98	ng	99
79) Butylbenzylphthalate	13.34	149	449977	41.23	ng	97
80) Benzo(a)anthracene	13.91	228	792138	39.07	ng	100
81) 3,3'-Dichlorobenzidine	13.87	252	102732	6.94	ng	98
82) Chrysene	13.95	228	768129	39.34	ng	100
83) Bis(2-ethylhexyl)phthalate	13.89	149	565118	39.02	ng	99
84) Di-n-octyl phthalate	14.51	149	1032868	44.66	ng	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	599957	37.87	ng	99
87) Benzo(b)fluoranthene	14.96	252	1473984	75.42	ng	# 96
88) Benzo(k)fluoranthene	14.96	252	1474624	85.20	ng	100
89) Benzo(a)pyrene	15.27	252	687344	39.69	ng	99
90) Dibenzo(a,h)anthracene	16.68	278	509285	36.55	ng	99
91) Benzo(g,h,i)perylene	17.08	276	474278	35.18	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

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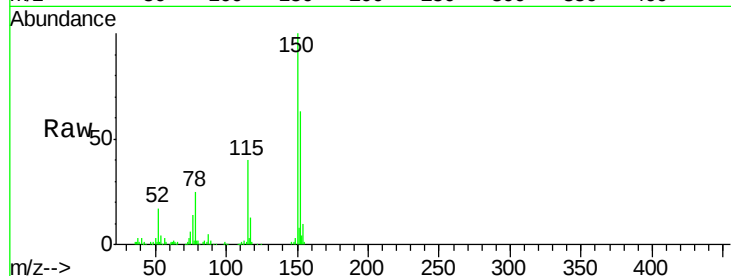
Tgt Ion:152 Resp: 119327

Ion Ratio Lower Upper

152 100

150 158.3 124.2 186.2

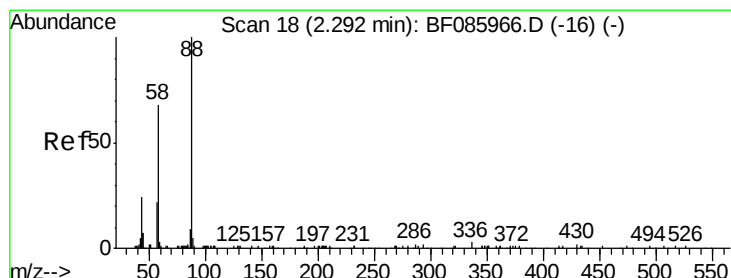
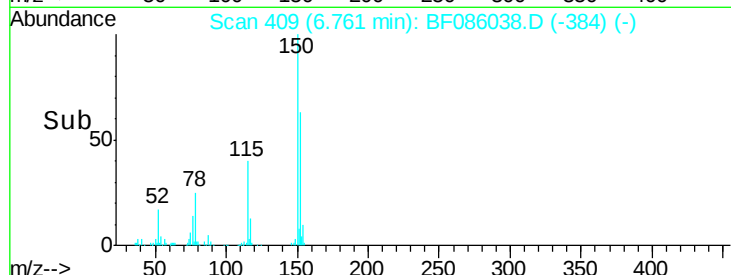
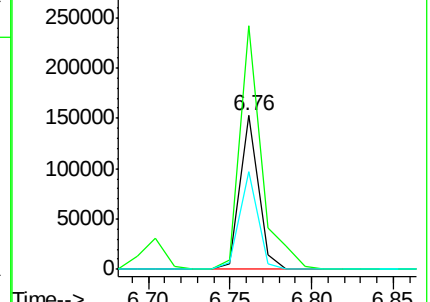
115 63.3 47.0 70.6



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: 30.73 ng

RT: 2.37 min Scan# 25

Delta R.T. 0.08 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

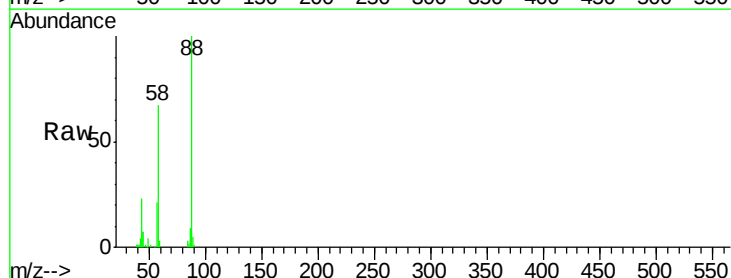
Tgt Ion: 88 Resp: 101714

Ion Ratio Lower Upper

88 100

58 67.4 54.2 81.2

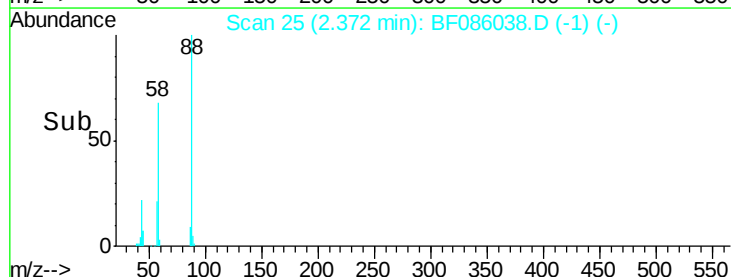
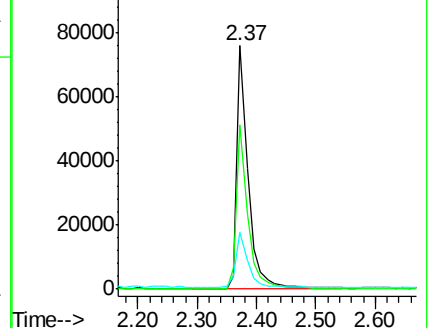
43 23.7 19.3 28.9

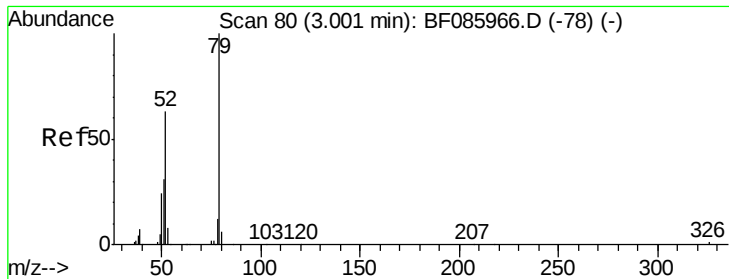


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.51 ng

RT: 3.07 min Scan# 86

Delta R.T. 0.07 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

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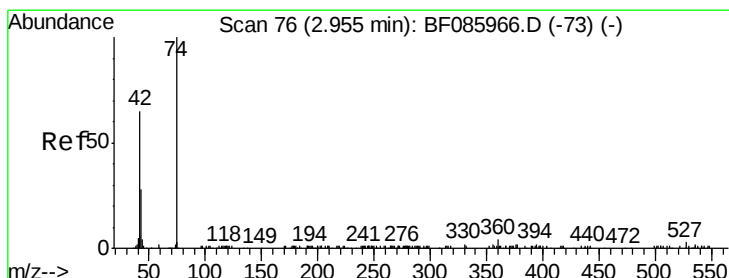
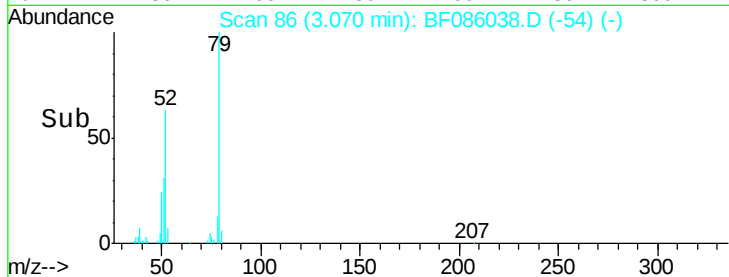
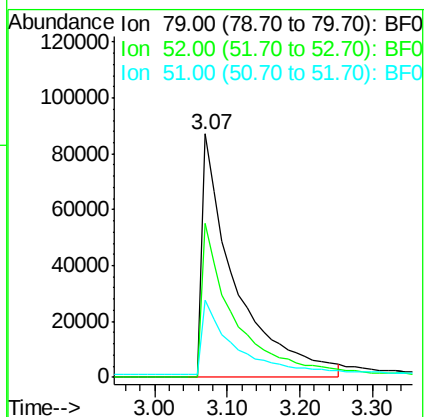
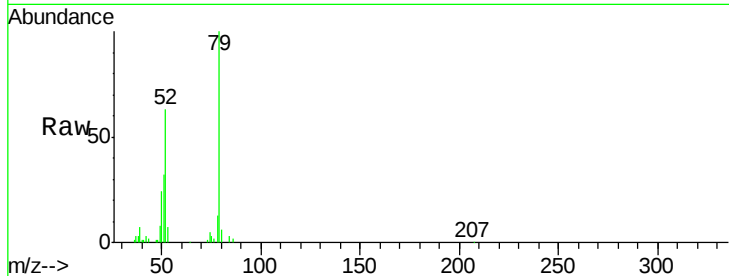
Tgt Ion: 79 Resp: 277916

Ion Ratio Lower Upper

79 100

52 63.5 49.8 74.6

51 31.9 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 37.93 ng

RT: 3.02 min Scan# 82

Delta R.T. 0.07 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

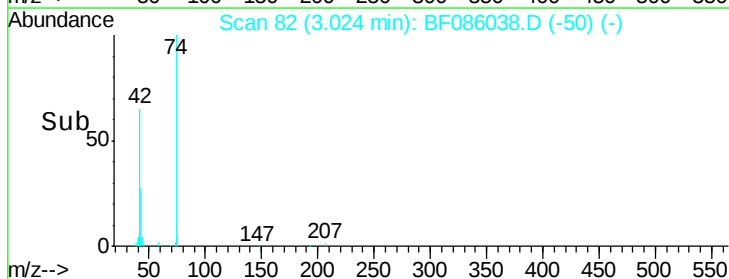
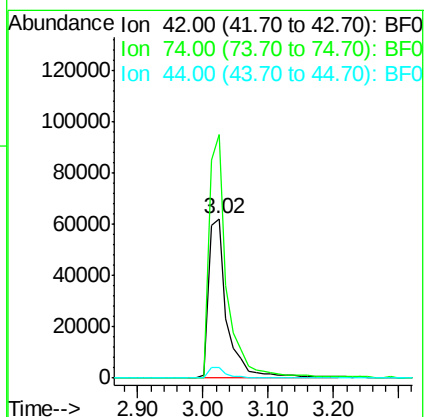
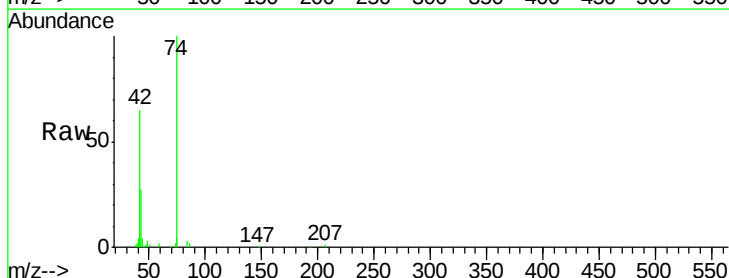
Tgt Ion: 42 Resp: 123591

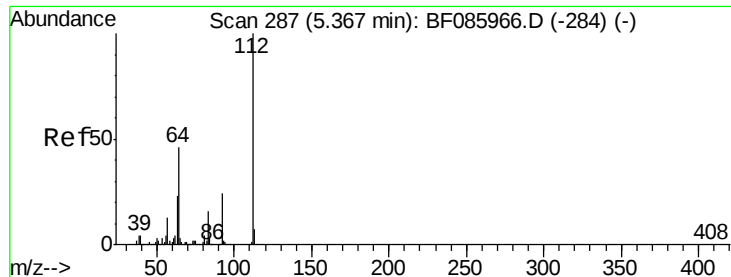
Ion Ratio Lower Upper

42 100

74 152.9 121.4 182.2

44 6.8 5.6 8.4





#5

2-Fluorophenol

Concen: 113.19 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

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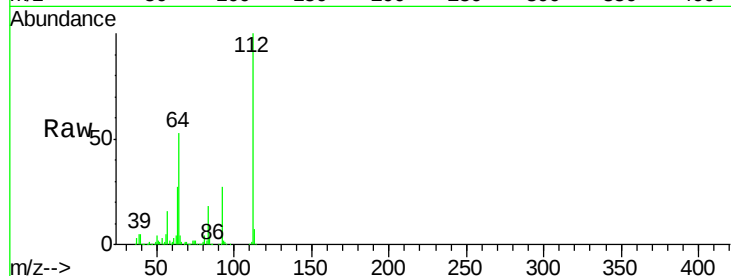
Tgt Ion: 112 Resp: 790208

Ion Ratio Lower Upper

112 100

64 53.5 39.9 59.9

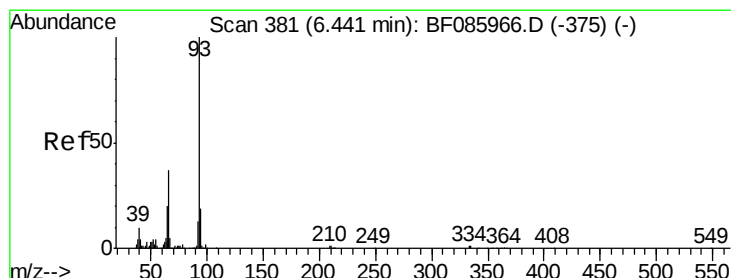
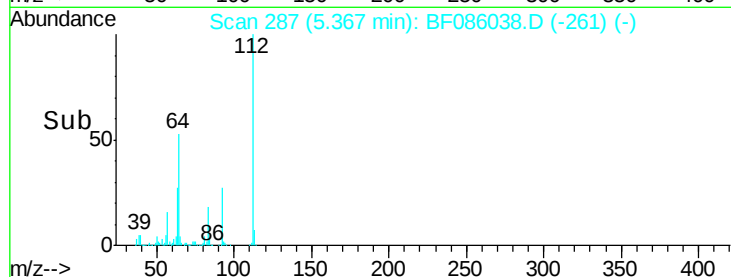
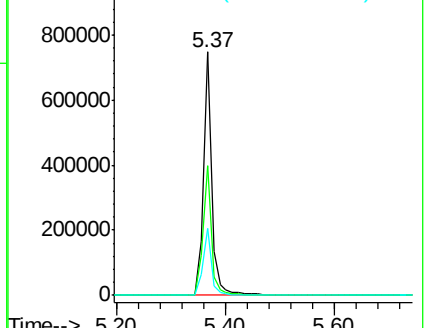
63 27.5 20.2 30.2



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: 18.05 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

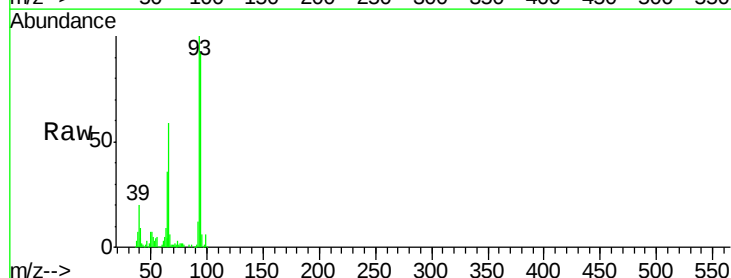
Tgt Ion: 93 Resp: 210034

Ion Ratio Lower Upper

93 100

66 59.1 31.4 47.2#

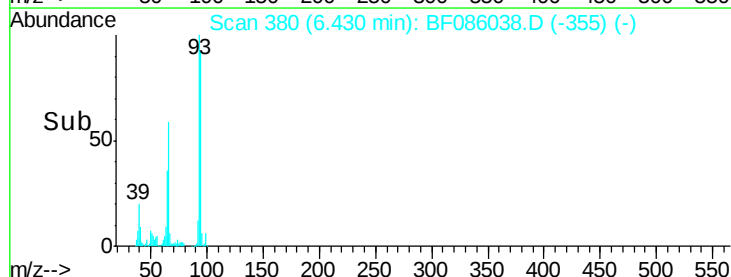
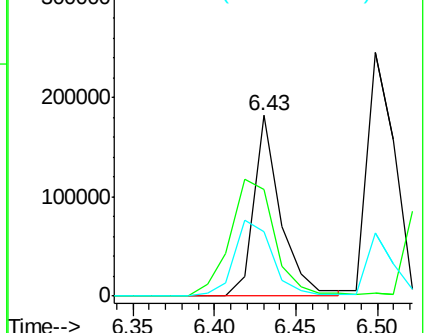
65 35.8 15.7 23.5#

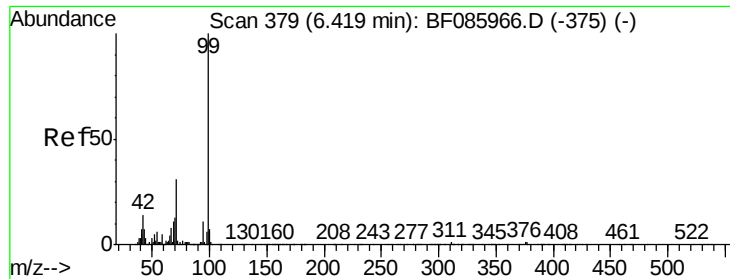


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.86 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

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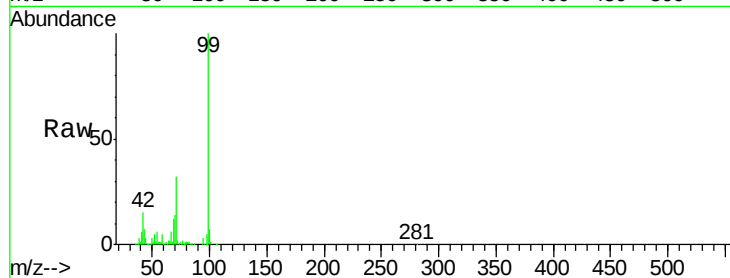
Tgt Ion: 99 Resp: 1018536

Ion Ratio Lower Upper

99 100

42 15.4 11.1 16.7

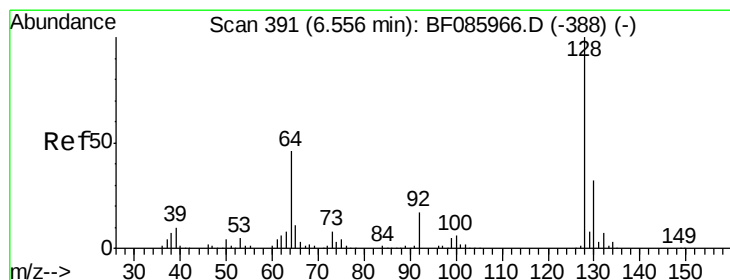
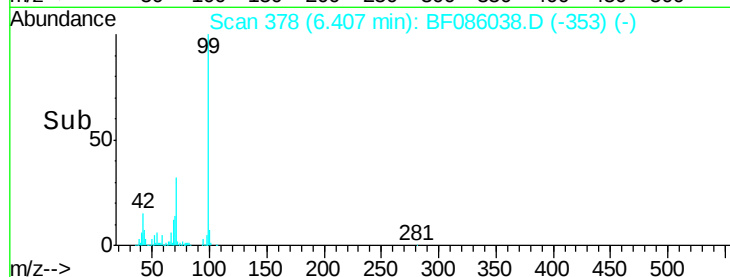
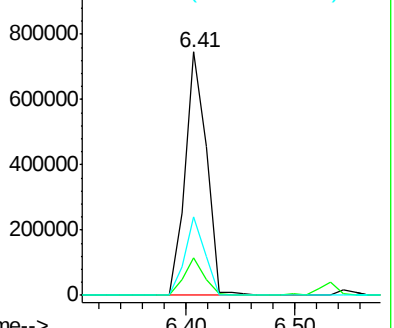
71 32.5 24.9 37.3



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: 36.59 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

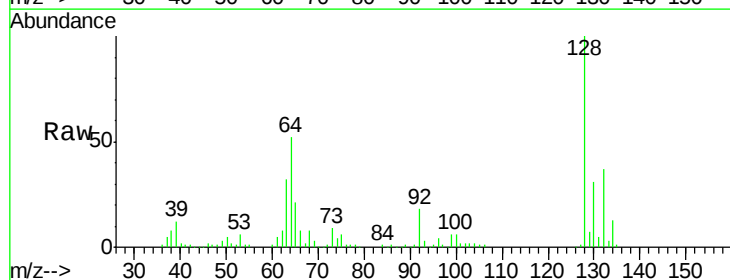
Tgt Ion: 128 Resp: 304628

Ion Ratio Lower Upper

128 100

130 31.4 12.9 52.9

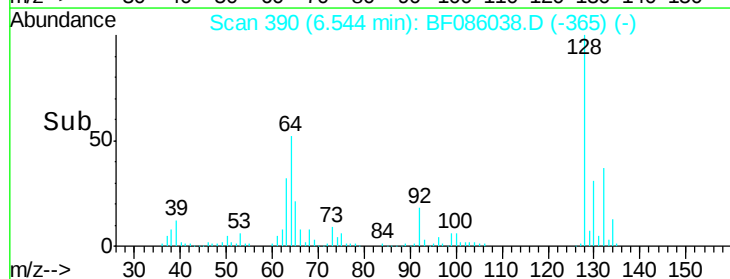
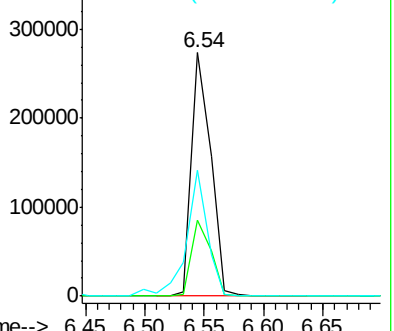
64 51.5 20.2 60.2

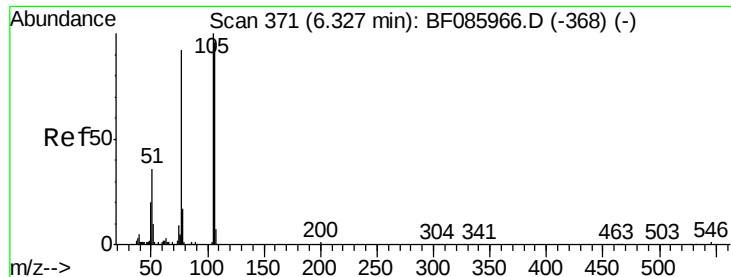


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 27.44 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

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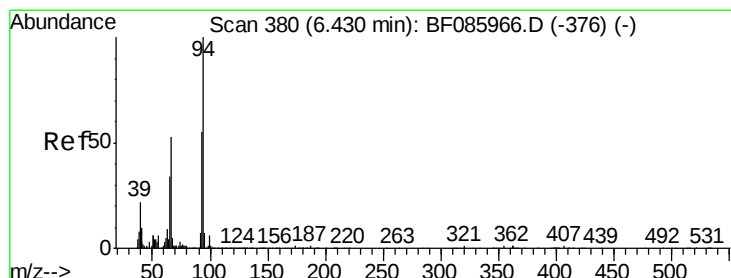
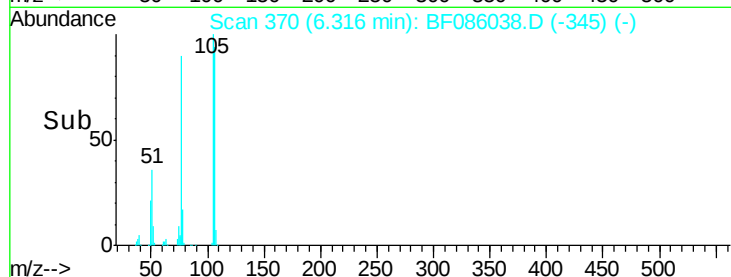
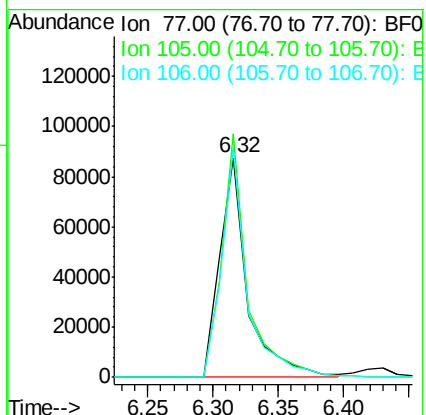
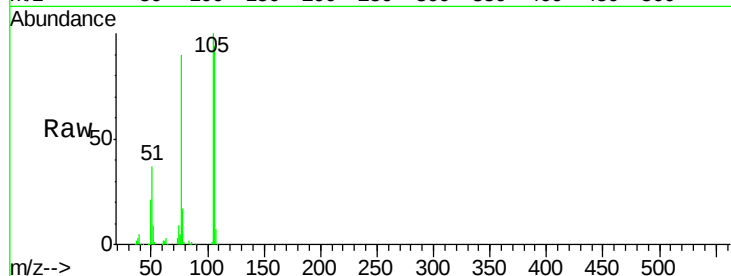
Tgt Ion: 77 Resp: 130930

Ion Ratio Lower Upper

77 100

105 110.9 80.1 120.1

106 104.5 75.0 115.0



#10

Phenol

Concen: 32.46 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

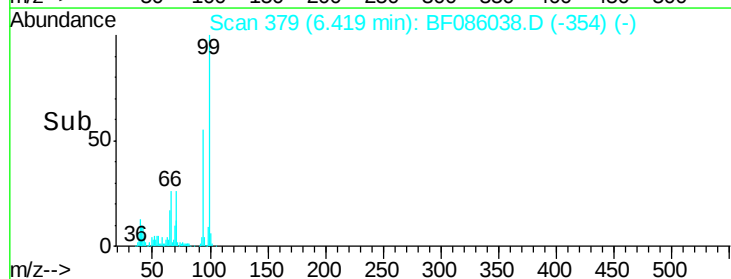
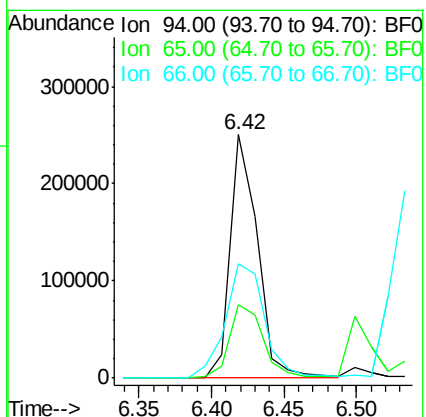
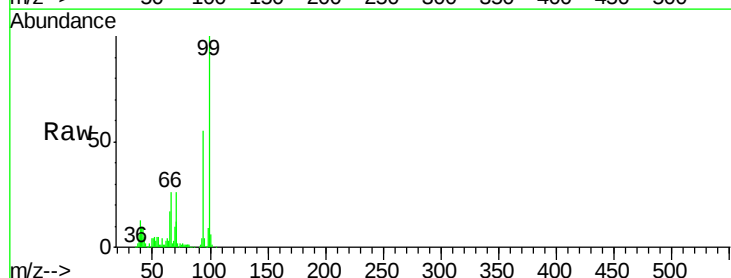
Tgt Ion: 94 Resp: 328307

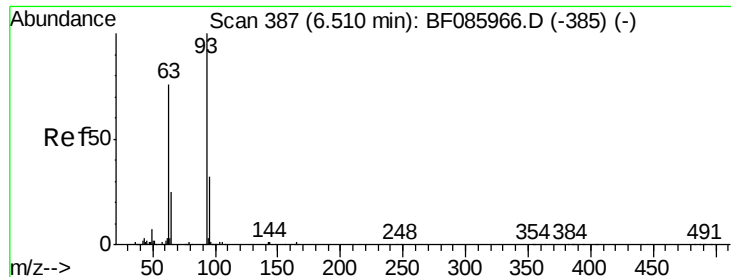
Ion Ratio Lower Upper

94 100

65 30.3 8.6 48.6

66 46.8 20.0 60.0

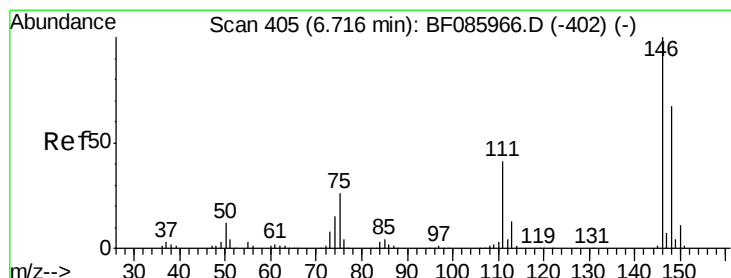
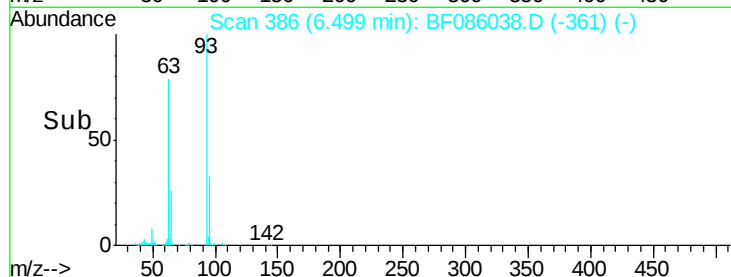
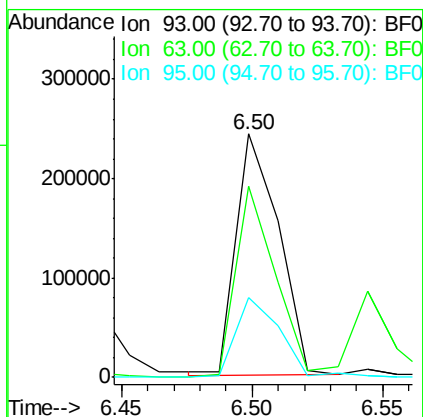
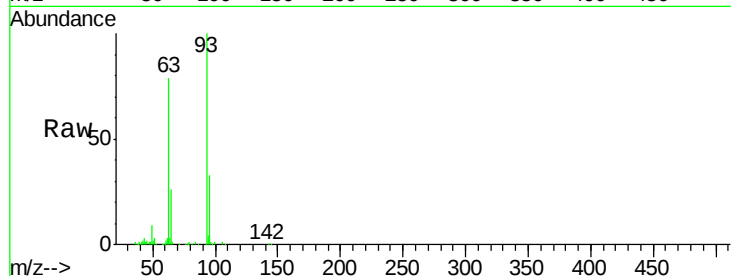




#11
bis(2-Chloroethyl)ether
Concen: 34.73 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

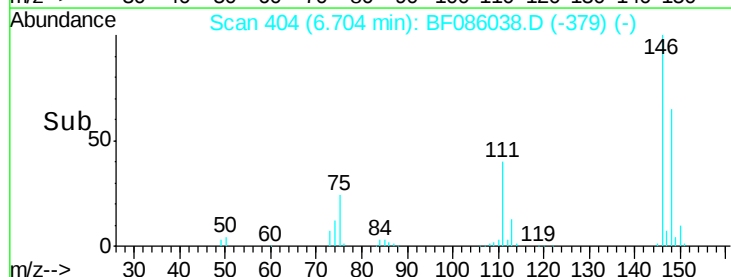
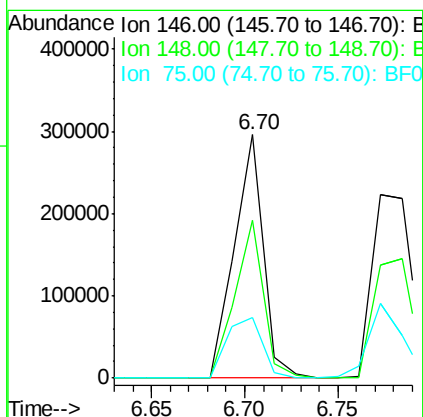
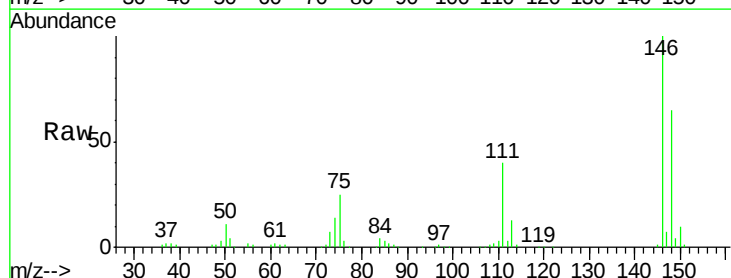
Instrument :
BNA_F
ClientSampleId :
PB89407BS

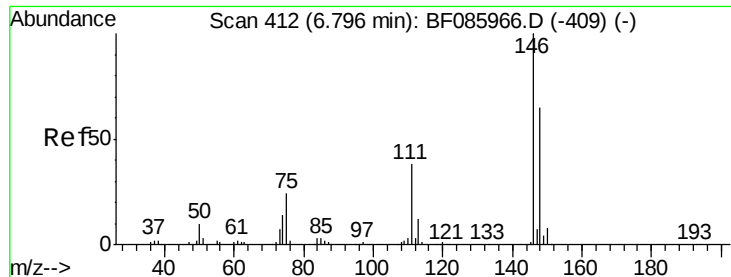
Tgt Ion: 93 Resp: 278154
Ion Ratio Lower Upper
93 100
63 78.6 50.9 90.9
95 32.5 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 36.55 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion: 146 Resp: 322502
Ion Ratio Lower Upper
146 100
148 64.6 52.3 78.5
75 24.9 17.4 26.2





#13

1,4-Dichlorobenzene

Concen: 35.63 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

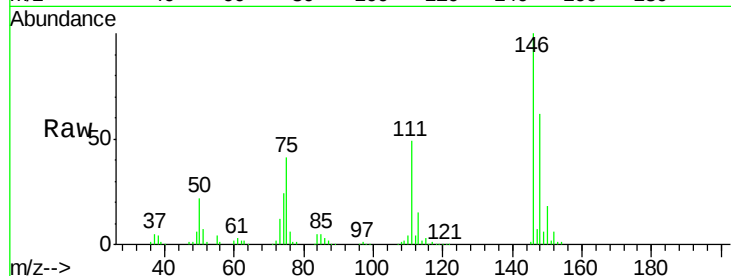
Tgt Ion:146 Resp: 323861

Ion Ratio Lower Upper

146 100

148 61.8 50.6 76.0

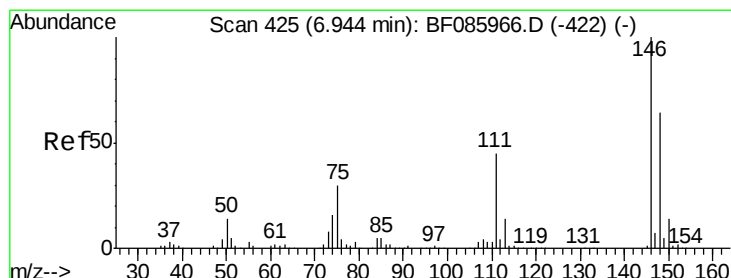
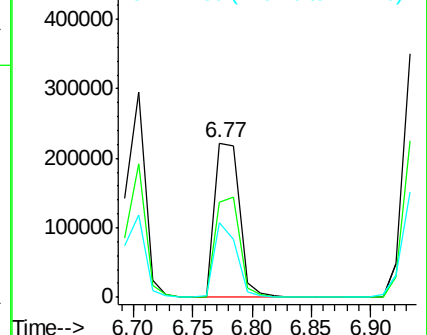
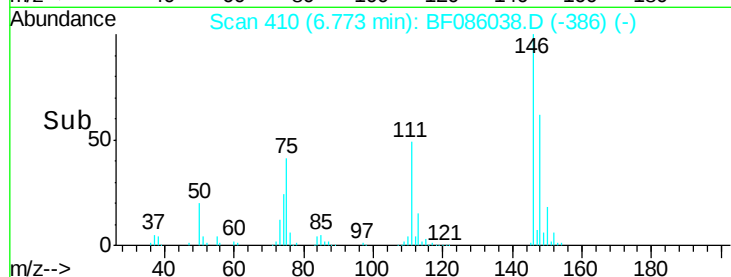
111 48.7 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.80 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

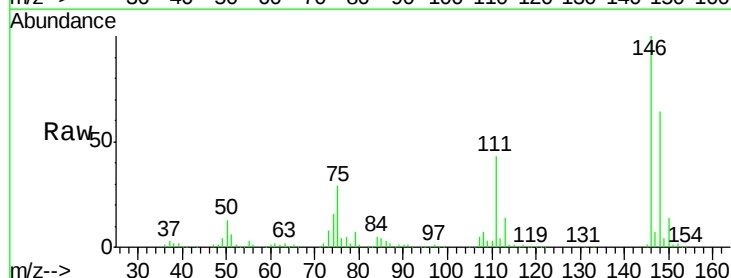
Tgt Ion:146 Resp: 307896

Ion Ratio Lower Upper

146 100

148 64.2 51.4 77.2

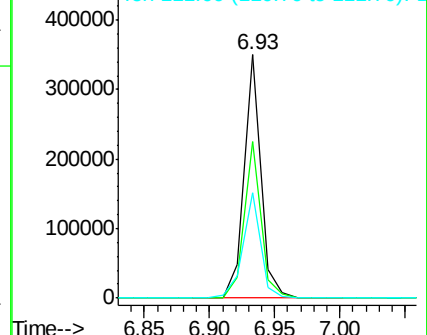
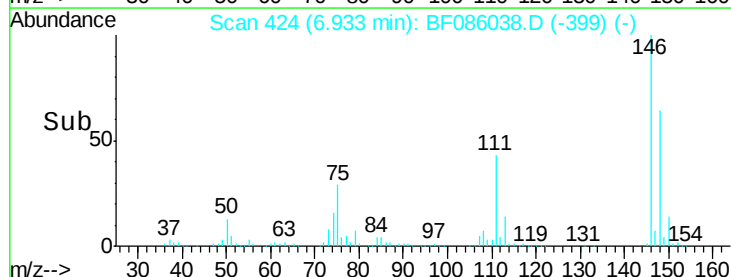
111 43.1 34.6 52.0

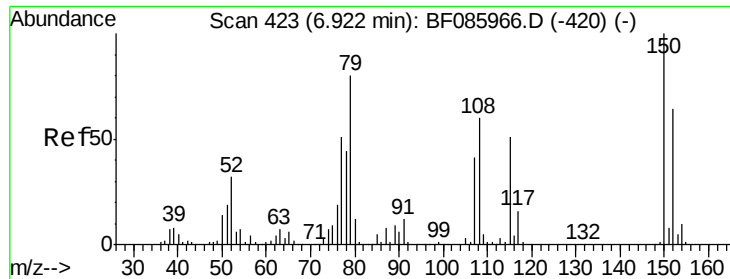


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

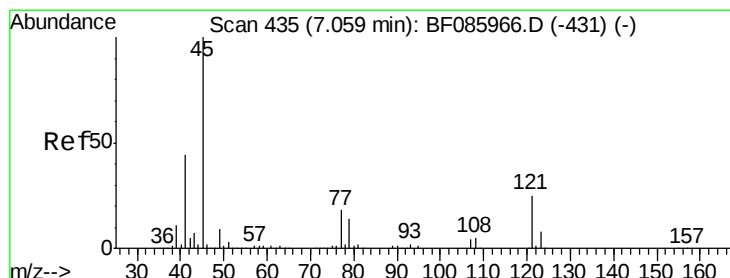
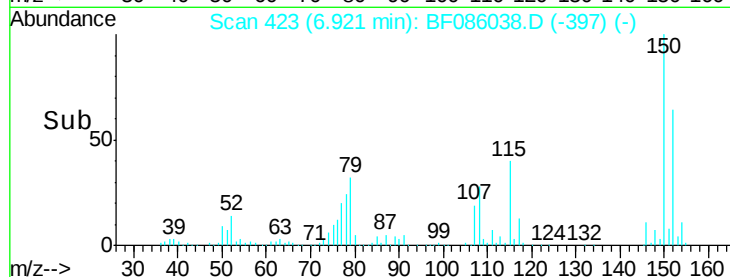
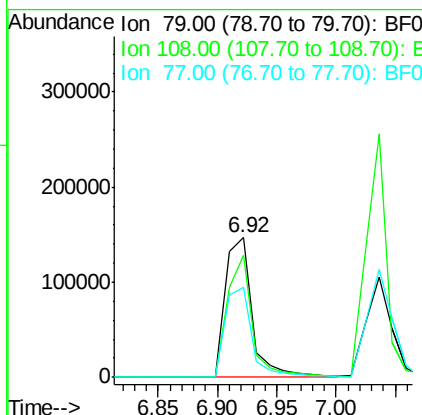
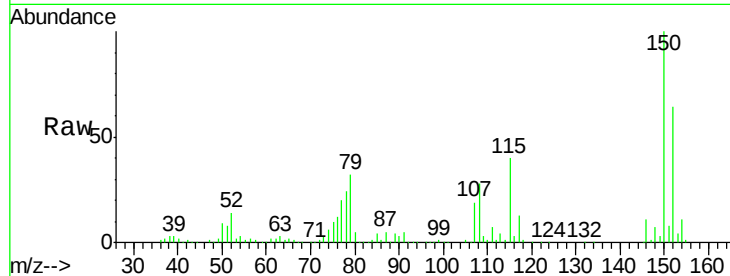




#15
Benzyl Alcohol
Concen: 40.18 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

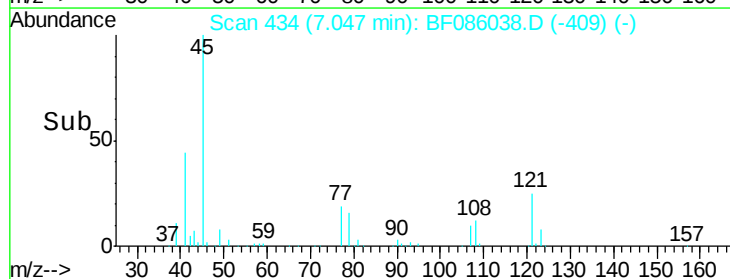
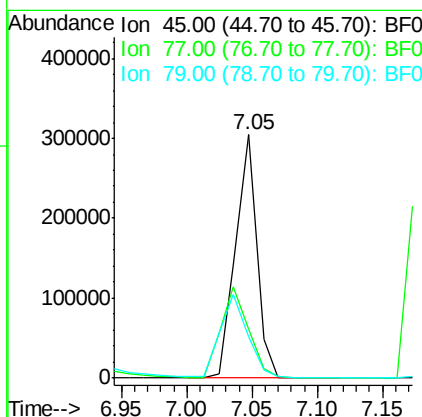
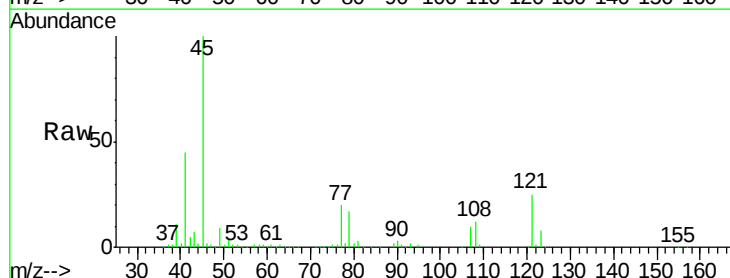
Instrument :
BNA_F
ClientSampleId :
PB89407BS

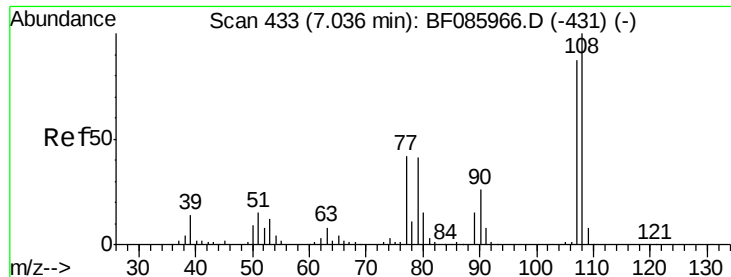
Tgt Ion: 79 Resp: 230497
Ion Ratio Lower Upper
79 100
108 87.9 61.8 92.6
77 64.7 49.6 74.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.25 ng
RT: 7.05 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion: 45 Resp: 344940
Ion Ratio Lower Upper
45 100
77 20.4 0.0 35.7
79 17.0 0.0 32.2

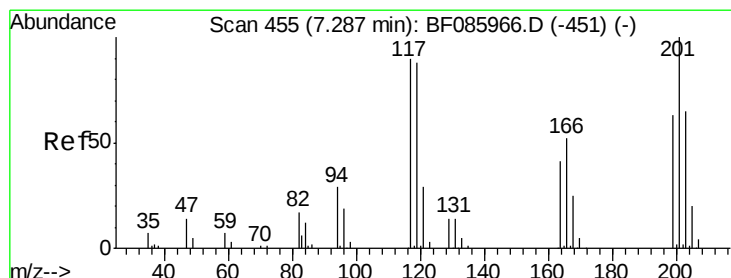
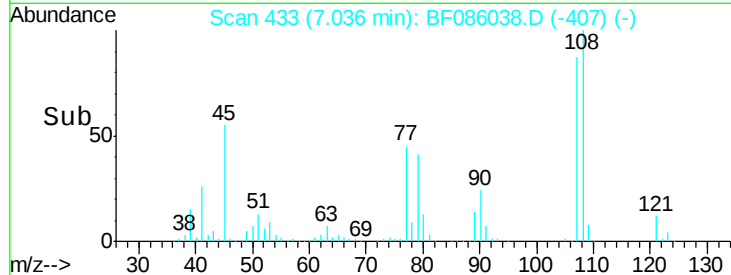
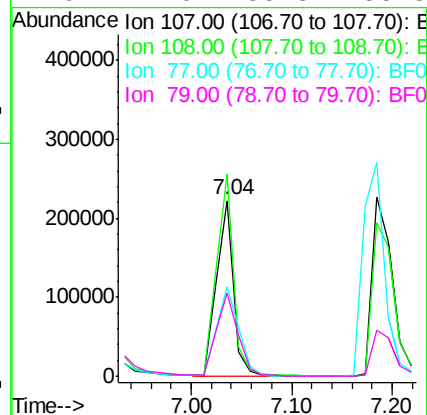
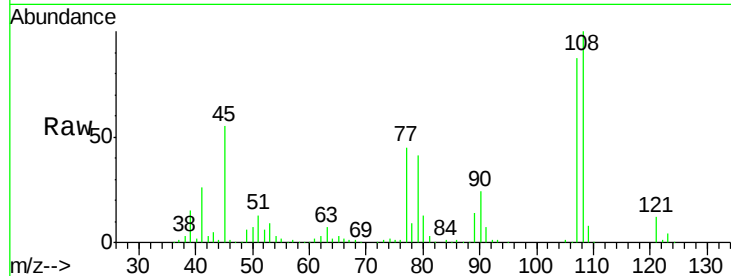




#17
2-Methylphenol
Concen: 39.85 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

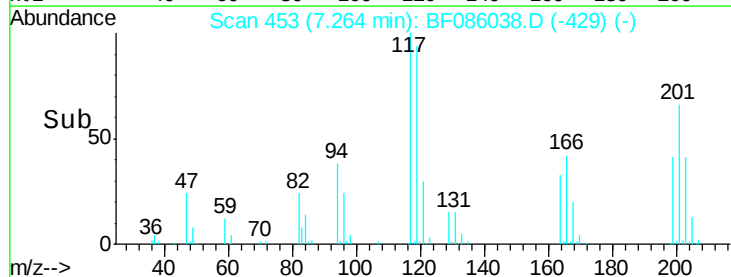
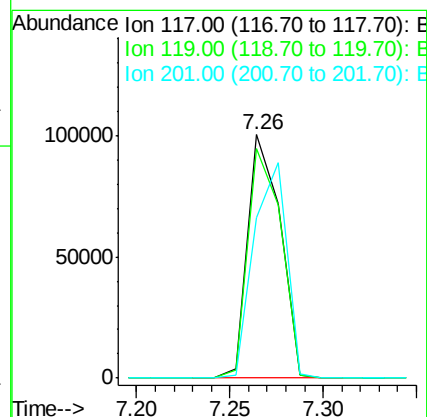
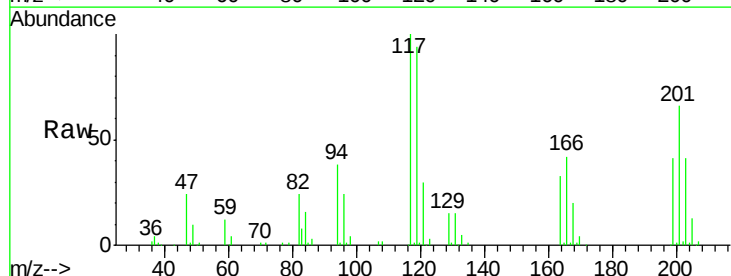
Instrument :
BNA_F
ClientSampleId :
PB89407BS

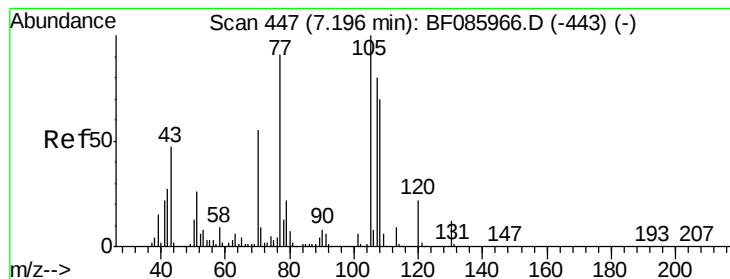
Tgt Ion:	107	Resp:	261570
Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.4	137.0
77	51.2	36.2	54.2
79	47.0	35.8	53.8



#18
Hexachloroethane
Concen: 36.31 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion:	117	Resp:	121397
Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
201	66.0	83.3	124.9#





#19

n-Nitroso-di-n-propylamine

Concen: 37.10 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

Tgt Ion: 70 Resp: 203911

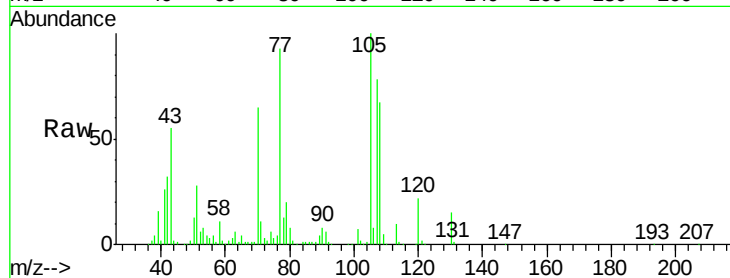
Ion Ratio Lower Upper

70 100

42 48.2 37.1 55.7

101 10.0 8.6 12.8

130 22.3 19.6 29.4



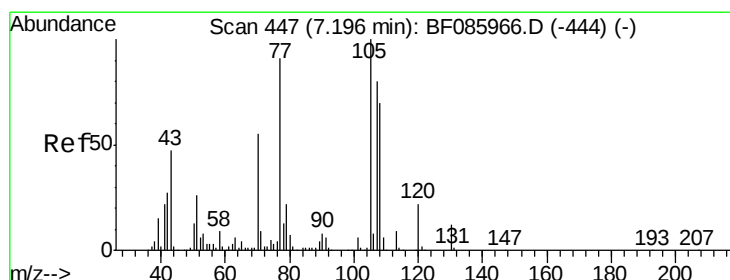
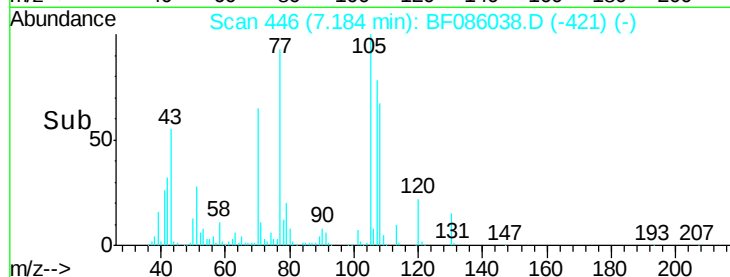
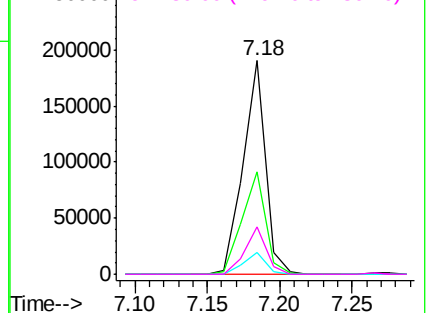
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 40.96 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Tgt Ion: 107 Resp: 326987

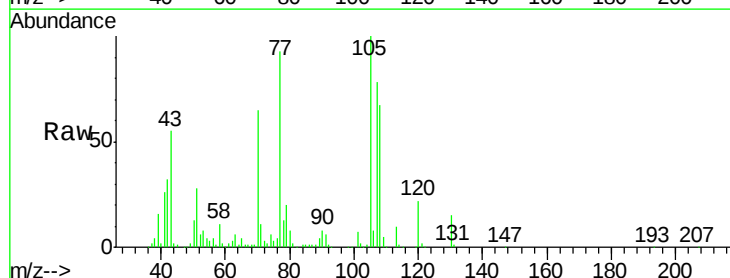
Ion Ratio Lower Upper

107 100

108 85.4 69.3 109.3

77 119.0 101.7 141.7

79 26.0 8.3 48.3



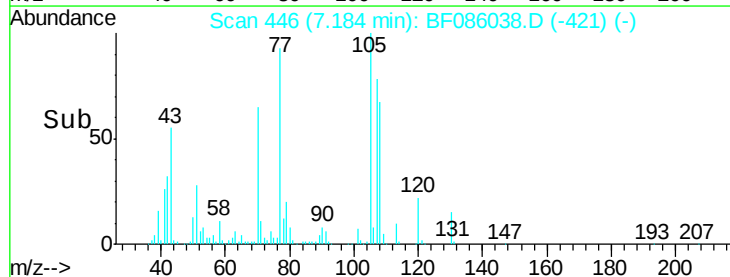
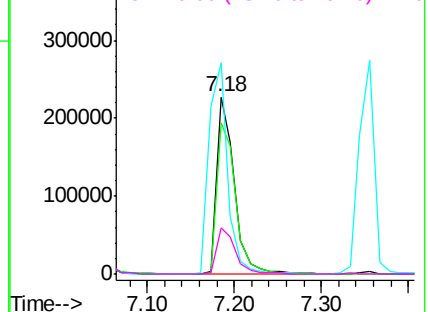
Abundance

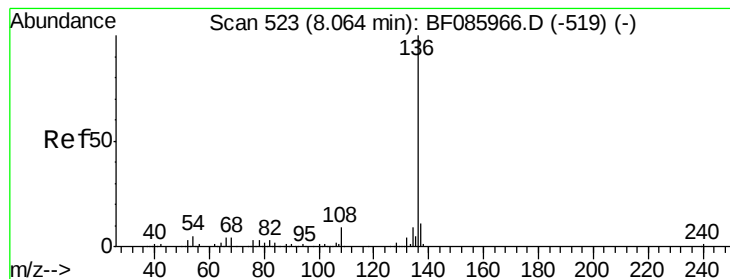
Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

Tgt Ion:136 Resp: 474053

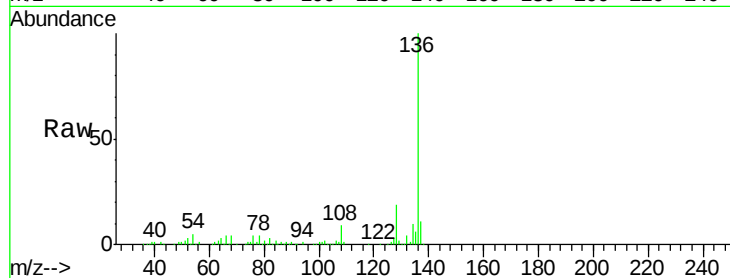
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 4.8 7.4 11.0#

68 4.2 5.8 8.8#

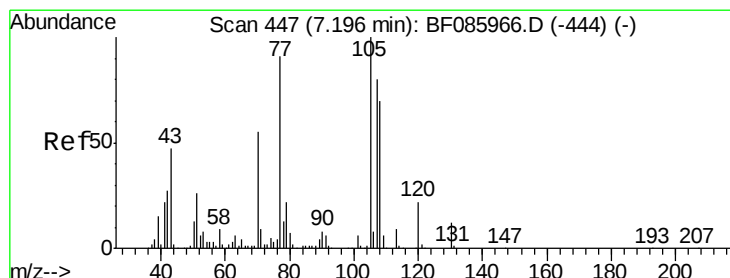
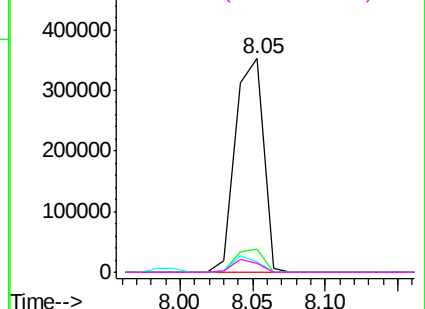
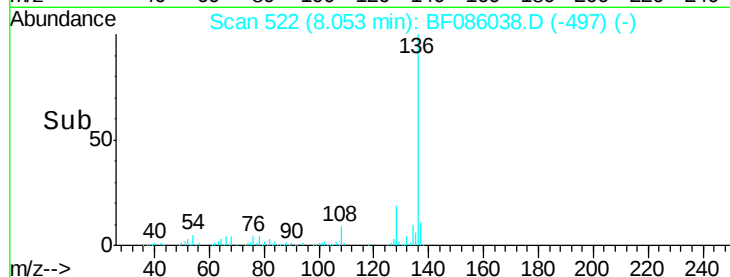


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.13 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Tgt Ion:105 Resp: 413744

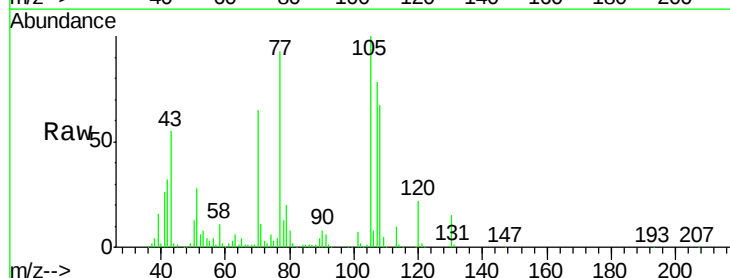
Ion Ratio Lower Upper

105 100

71 10.8 3.6 5.4#

51 28.3 25.4 38.0

120 22.2 16.9 25.3

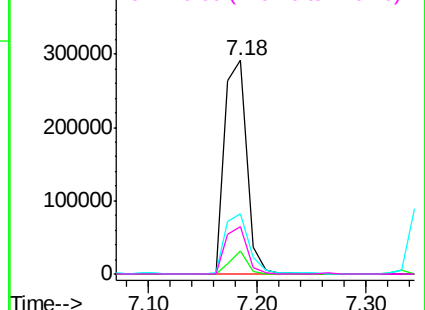
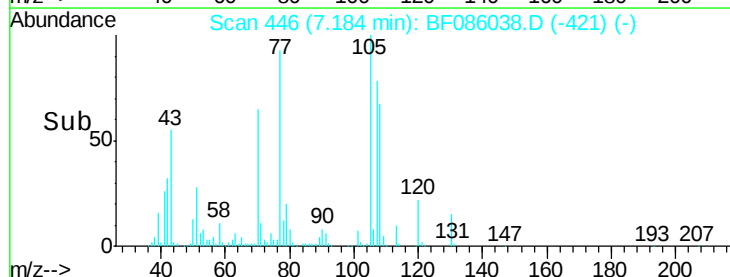


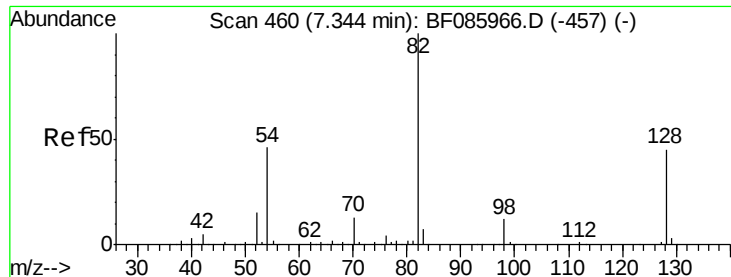
Abundance Ion 105.00 (104.70 to 105.70): E

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

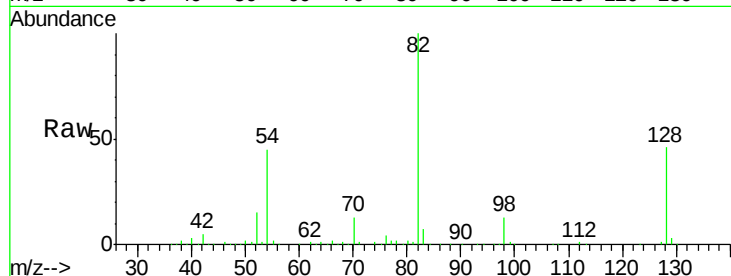




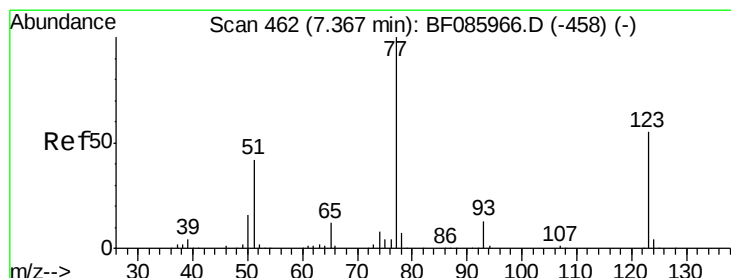
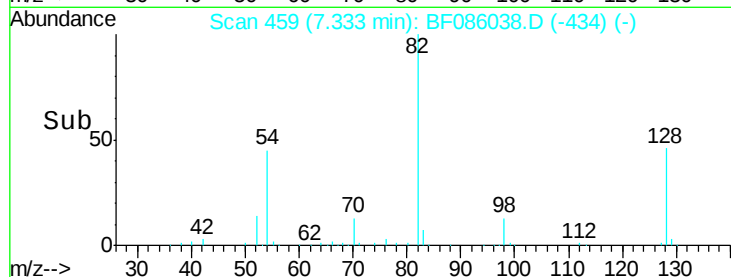
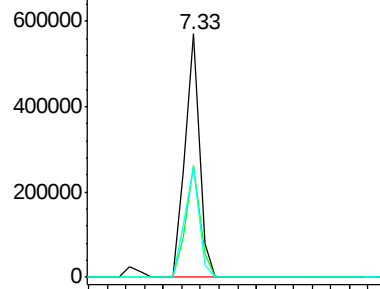
#23
 Nitrobenzene-d5
 Concen: 77.08 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion: 82 Resp: 619577
 Ion Ratio Lower Upper
 82 100
 128 45.7 41.8 62.8
 54 45.1 33.4 50.0

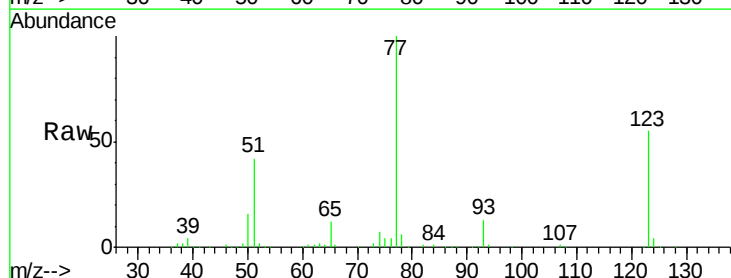


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

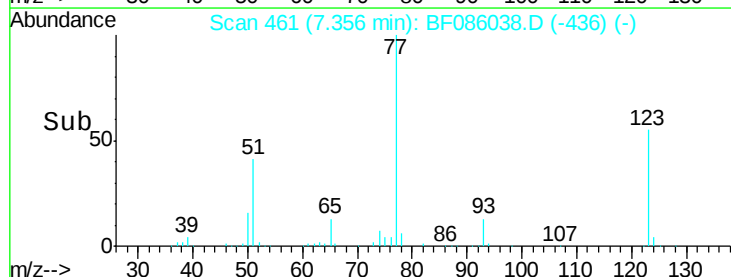
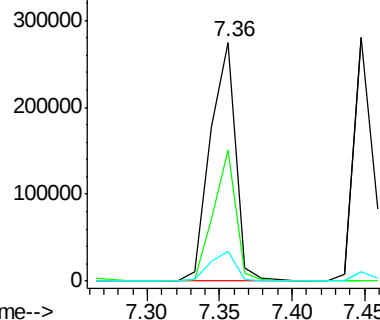


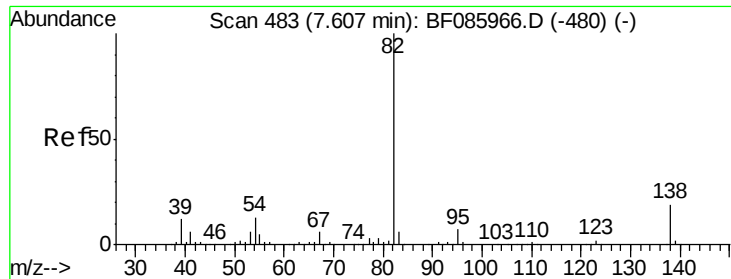
#24
 Nitrobenzene
 Concen: 37.56 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion: 77 Resp: 330278
 Ion Ratio Lower Upper
 77 100
 123 54.7 35.0 52.4#
 65 12.4 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0

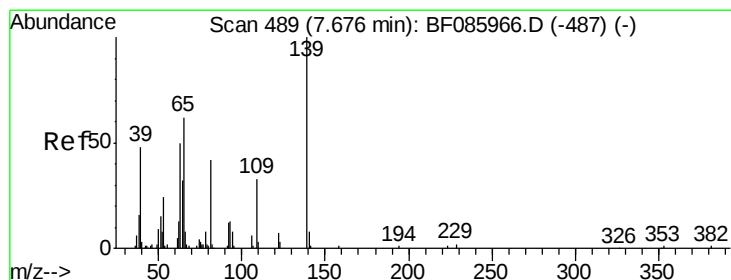
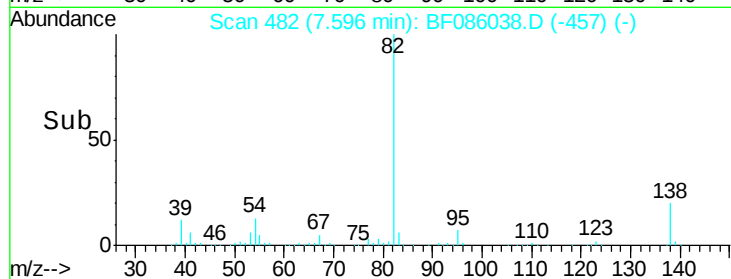
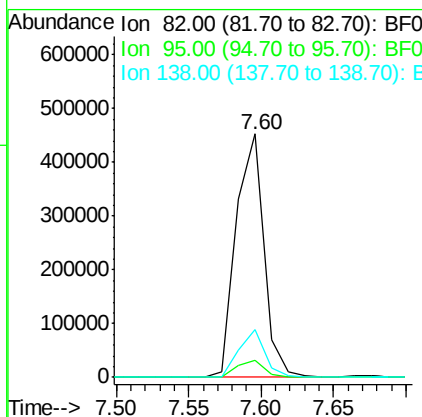
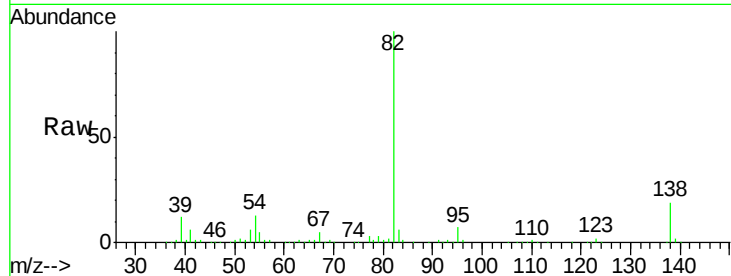




#25
Isophorone
Concen: 38.15 ng
RT: 7.60 min Scan# 482
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

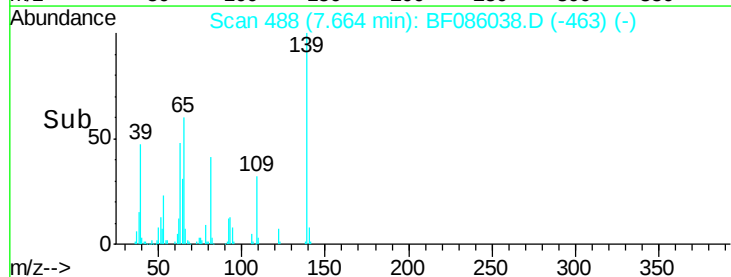
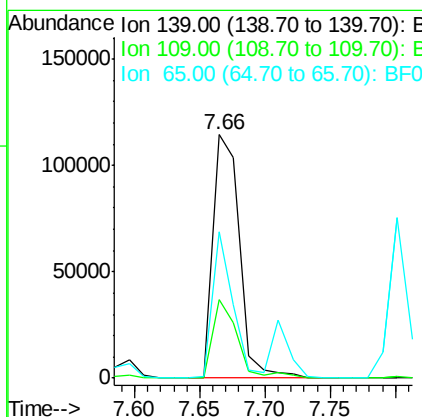
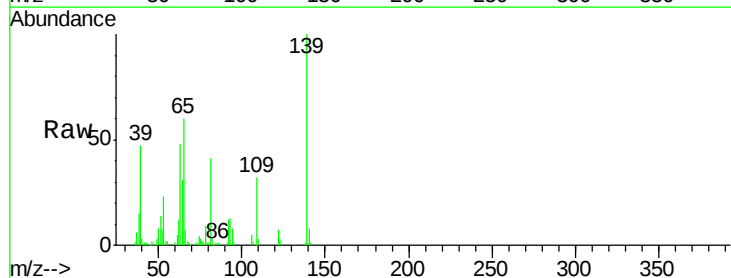
Instrument :
BNA_F
ClientSampleId :
PB89407BS

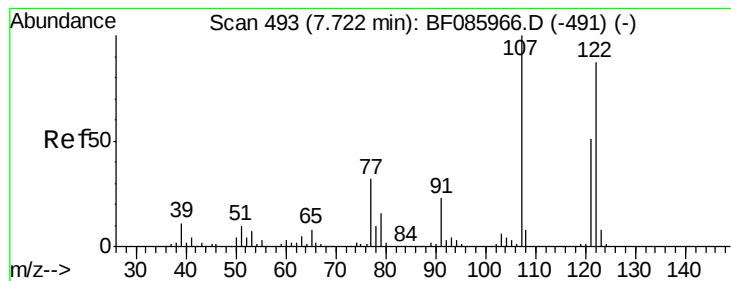
Tgt Ion: 82 Resp: 605424
Ion Ratio Lower Upper
82 100
95 7.3 5.4 8.2
138 19.5 12.9 19.3#



#26
2-Nitrophenol
Concen: 38.72 ng
RT: 7.66 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion: 139 Resp: 162930
Ion Ratio Lower Upper
139 100
109 32.3 22.1 33.1
65 60.1 33.9 50.9#





#27

2,4-Dimethylphenol

Concen: 36.33 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

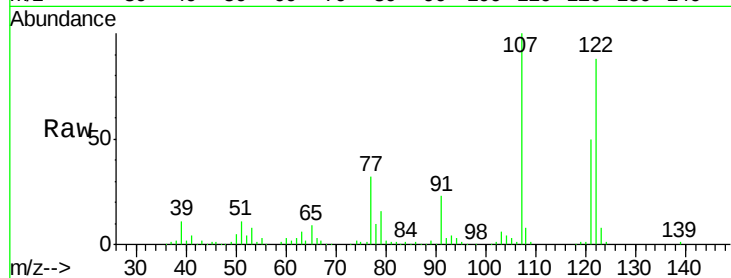
Tgt Ion:122 Resp: 274590

Ion Ratio Lower Upper

122 100

107 114.3 93.0 139.6

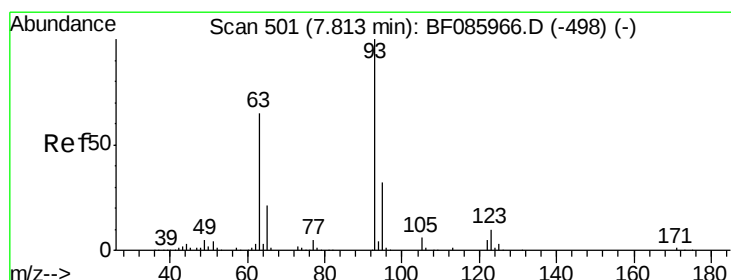
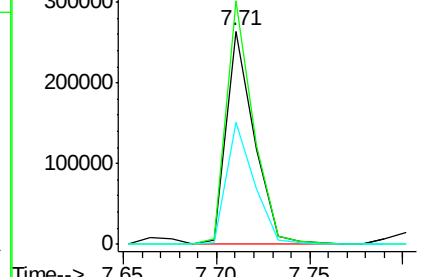
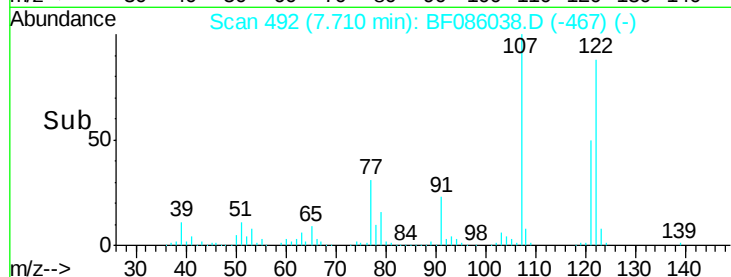
121 57.1 45.9 68.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 38.73 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

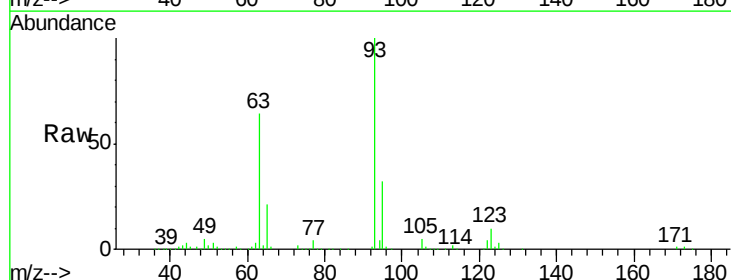
Tgt Ion: 93 Resp: 360606

Ion Ratio Lower Upper

93 100

95 32.4 26.4 39.6

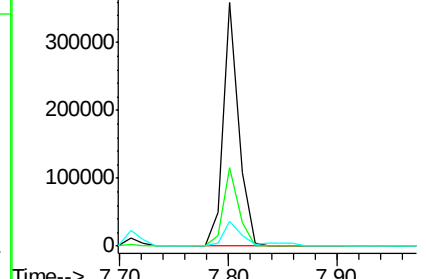
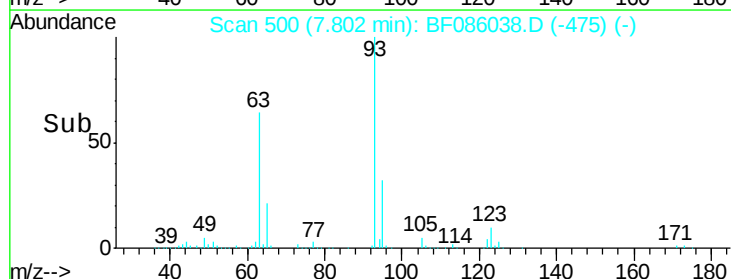
123 10.4 9.8 14.6

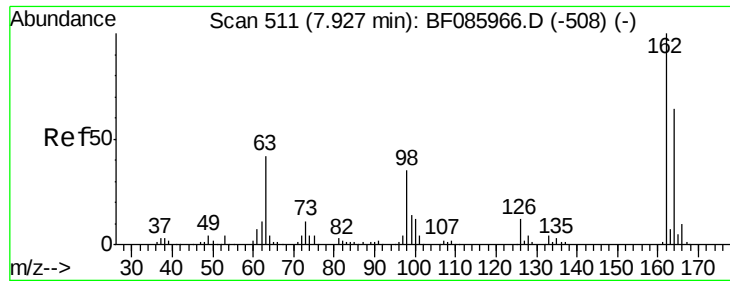


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

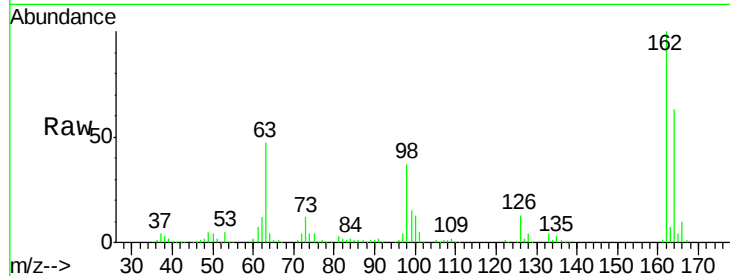




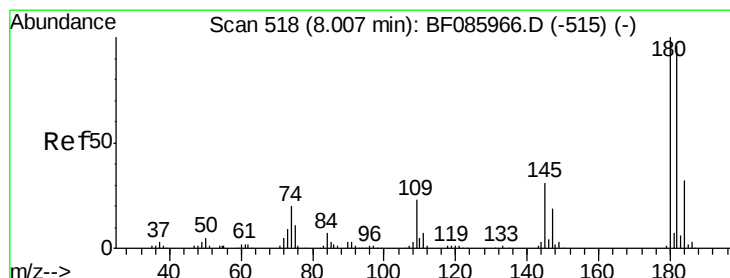
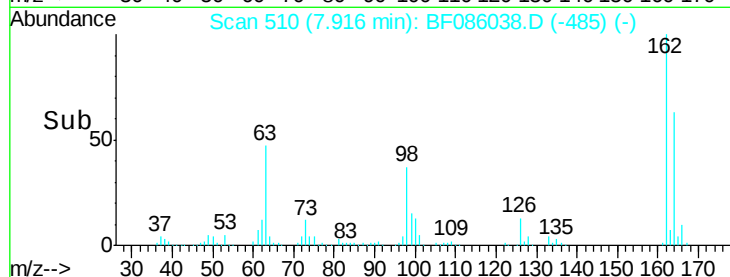
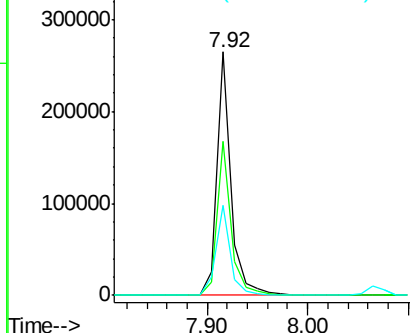
#29
 2,4-Dichlorophenol
 Concen: 39.84 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.7	83.7
98	37.1	20.4	60.4

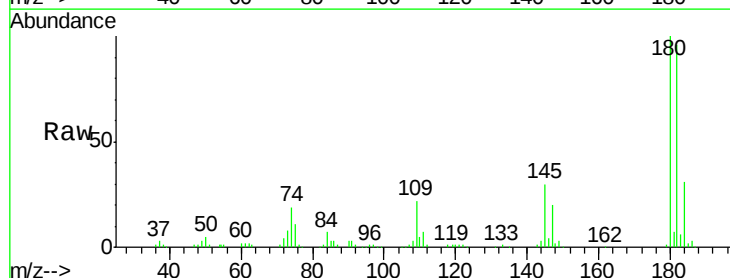


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

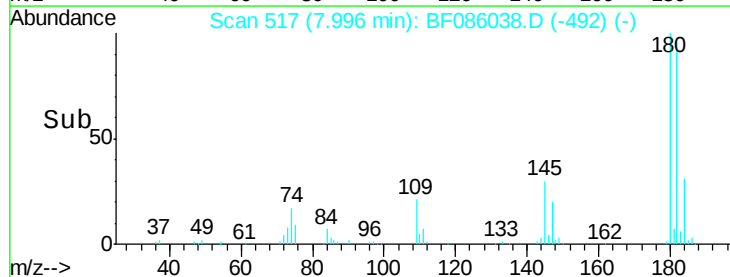
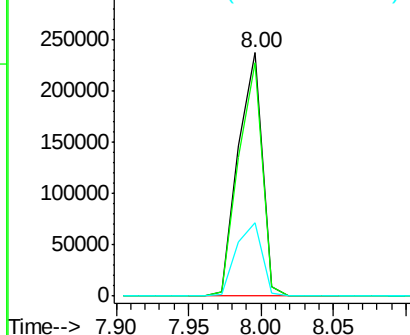


#30
 1,2,4-Trichlorobenzene
 Concen: 38.08 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	73.8	110.8
145	30.3	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: 36.46 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

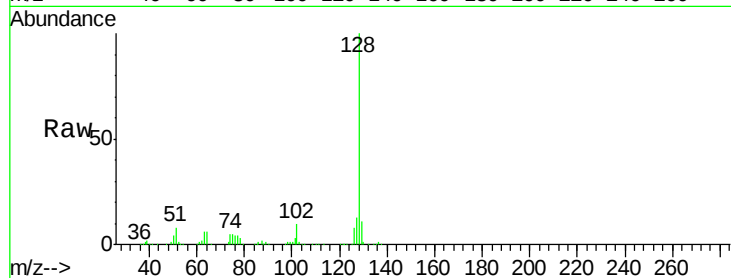
Tgt Ion:128 Resp: 869497

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

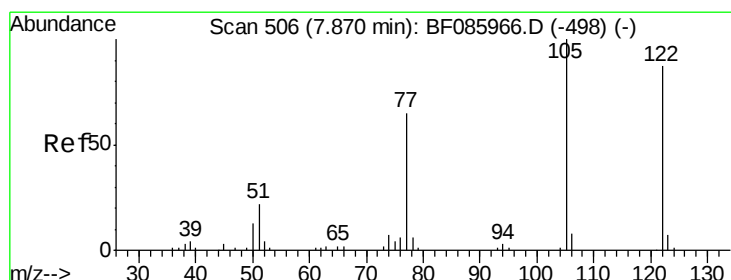
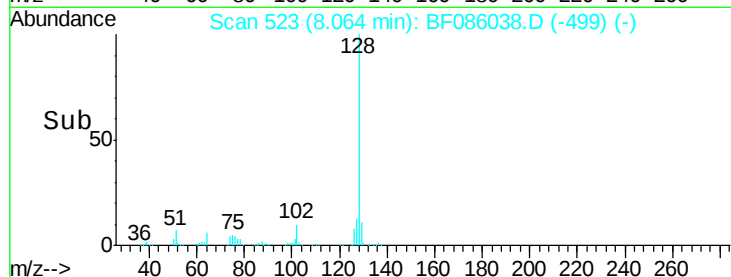
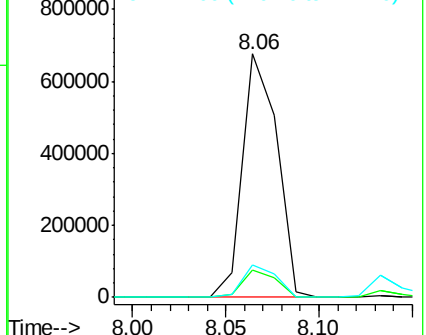
127 13.4 11.0 16.6



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: 30.42 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

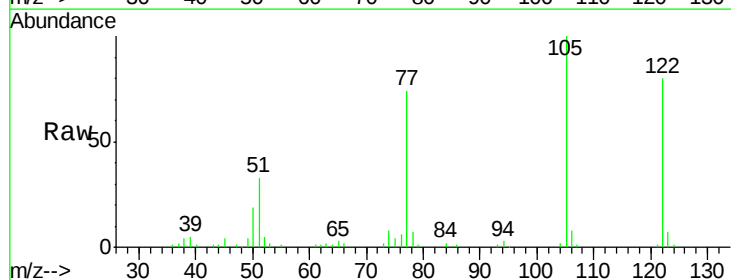
Tgt Ion:122 Resp: 168635

Ion Ratio Lower Upper

122 100

105 124.3 102.9 142.9

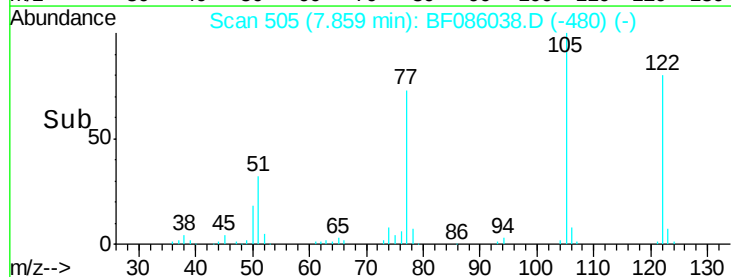
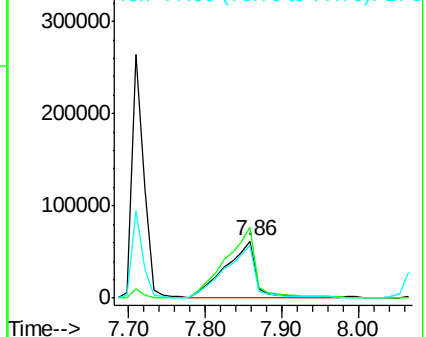
77 92.2 71.8 111.8

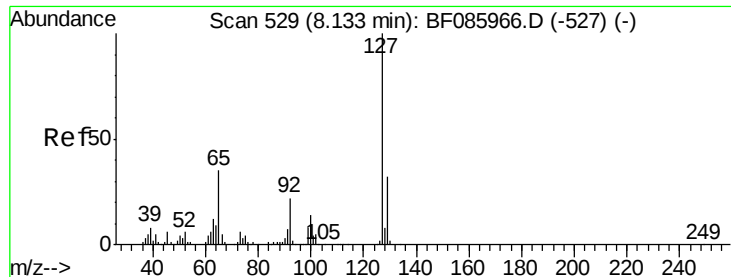


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

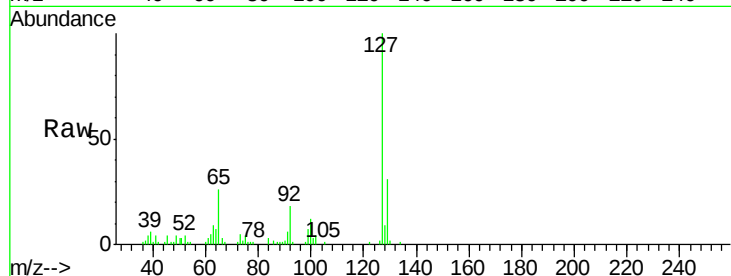




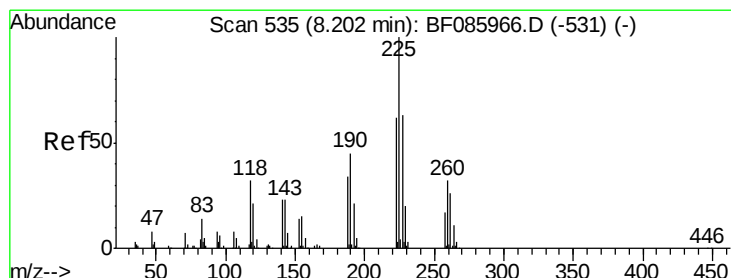
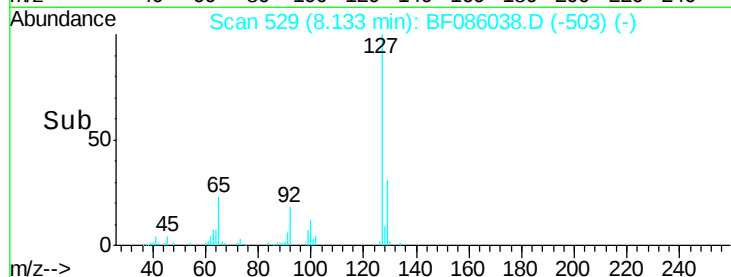
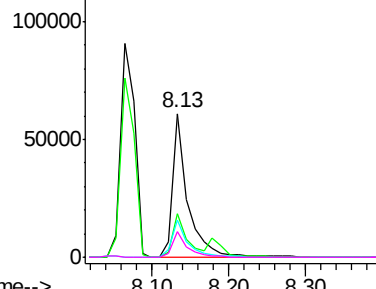
#33
4-Chloroaniline
Concen: 8.65 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Instrument :
BNA_F
ClientSampleId :
PB89407BS

Tgt Ion:	127	Resp:	83300
Ion	Ratio	Lower	Upper
127	100		
129	30.6	26.1	39.1
65	26.0	19.5	29.3
92	18.0	14.6	22.0

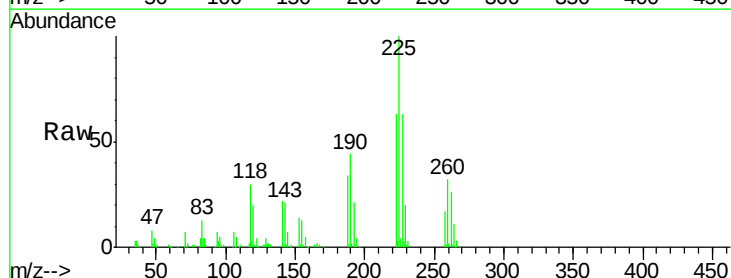


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

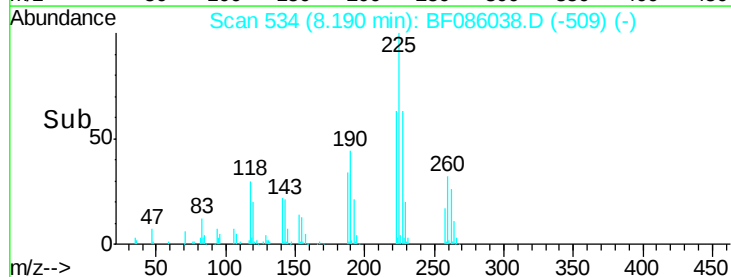
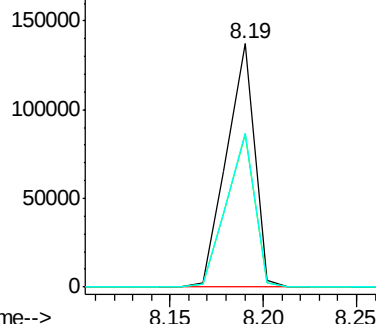


#34
Hexachlorobutadiene
Concen: 37.16 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion:	225	Resp:	143281
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	63.5	51.4	77.2



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

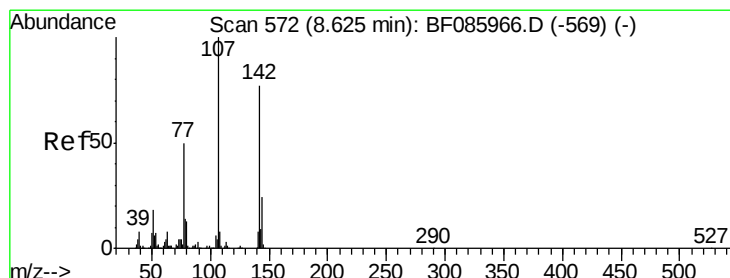
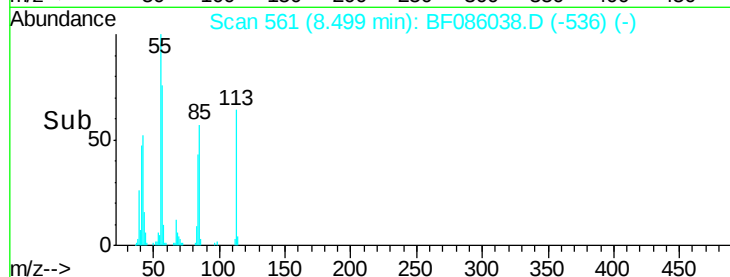
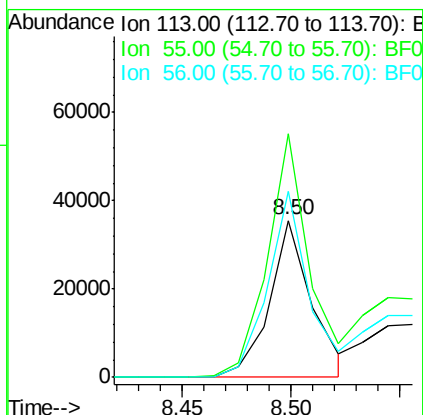
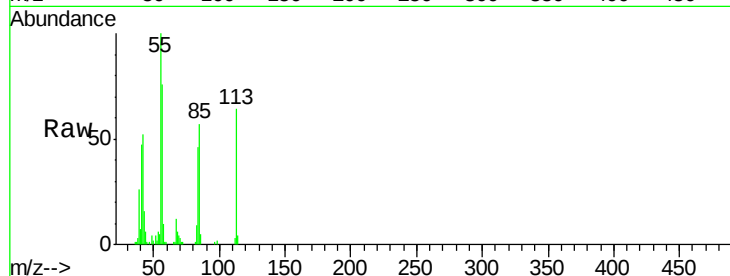




#35
 Caprolactam
 Concen: 23.75 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

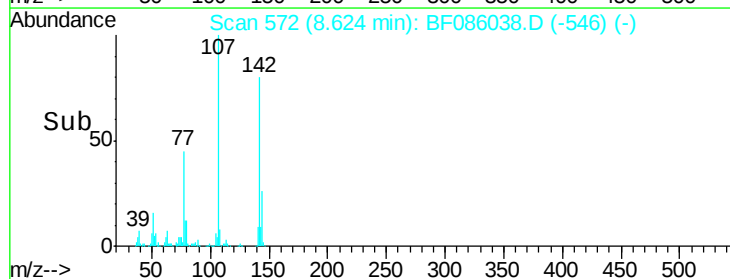
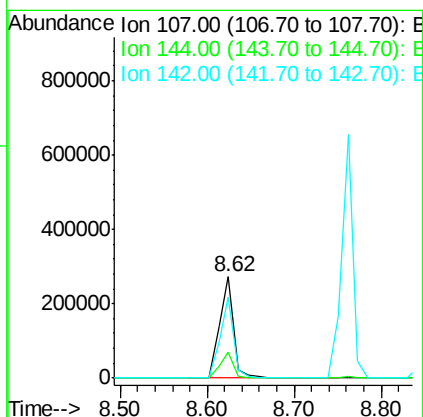
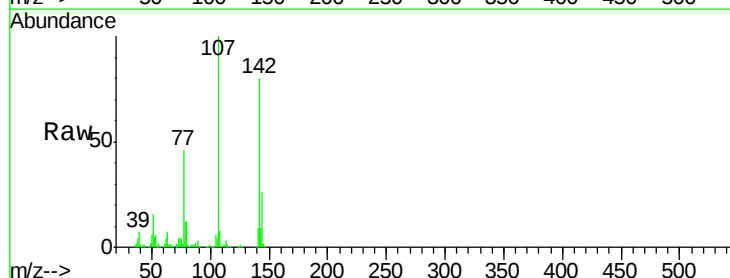
Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

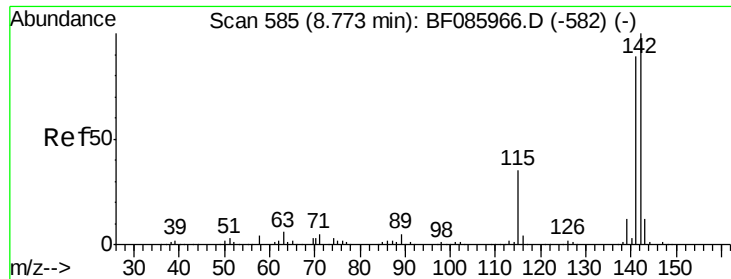
Tgt Ion:113 Resp: 48141
 Ion Ratio Lower Upper
 113 100
 55 155.1 139.4 179.4
 56 118.1 100.4 140.4



#36
 4-Chloro-3-methylphenol
 Concen: 42.97 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion:107 Resp: 308583
 Ion Ratio Lower Upper
 107 100
 144 26.3 19.3 28.9
 142 80.2 61.4 92.0

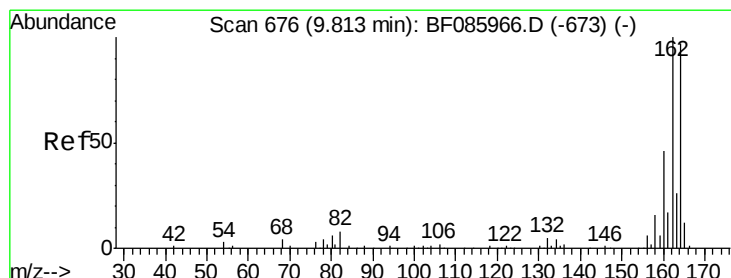
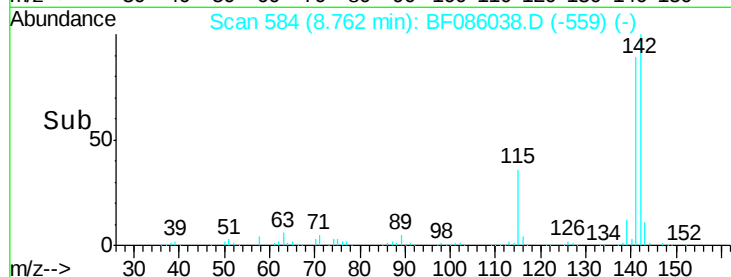
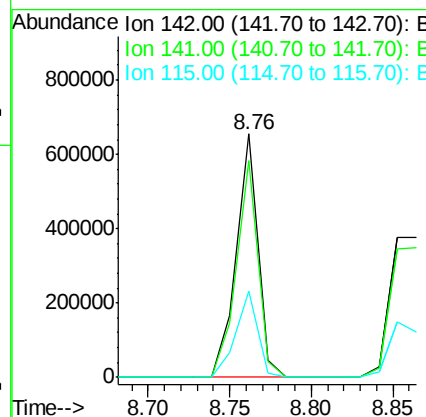
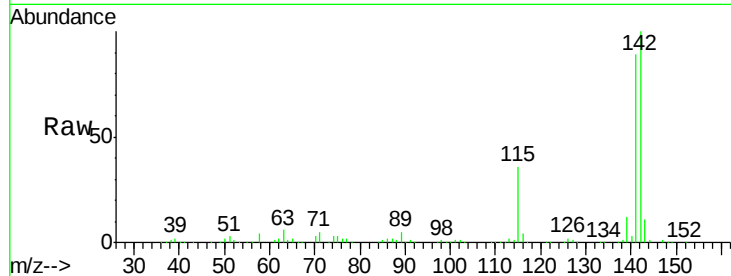




#37
 2-Methylnaphthalene
 Concen: 38.50 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

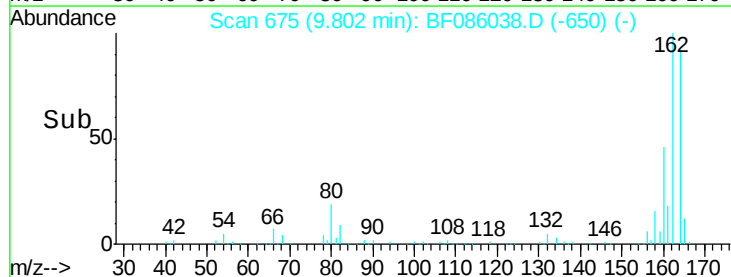
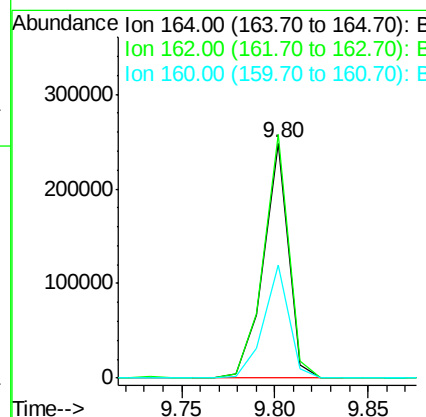
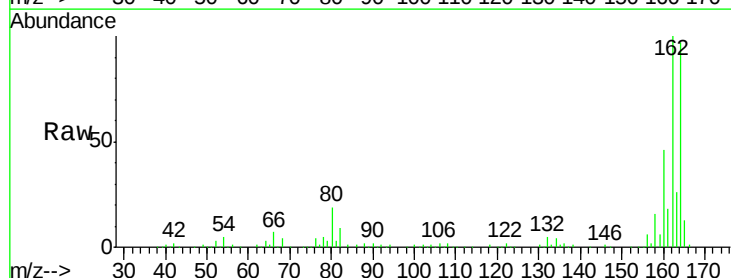
Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

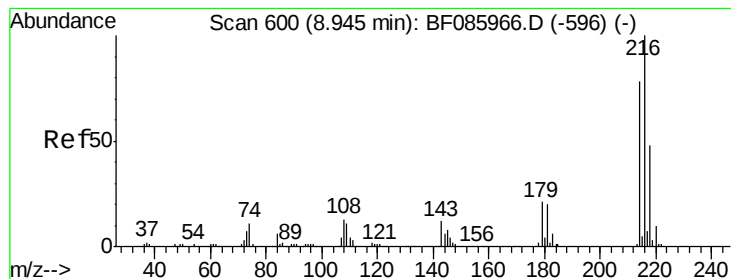
Tgt Ion:142 Resp: 599716
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.6 107.4
 115 35.6 26.8 40.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion:164 Resp: 229342
 Ion Ratio Lower Upper
 164 100
 162 103.6 82.1 123.1
 160 48.0 37.4 56.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.82 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

Tgt Ion:216 Resp: 246905

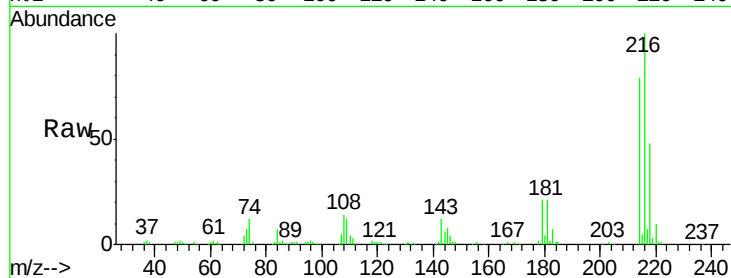
Ion Ratio Lower Upper

216 100

214 79.6 63.1 94.7

179 23.1 18.2 27.2

108 23.1 17.3 25.9

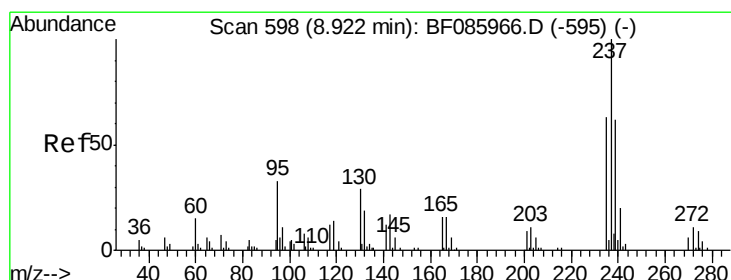
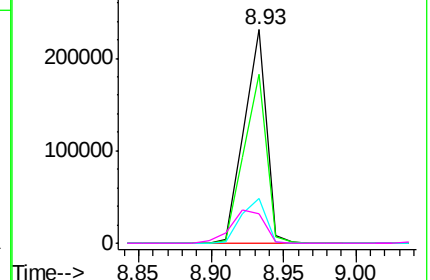
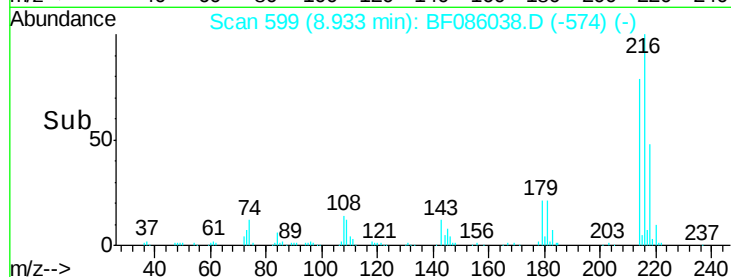


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 76.12 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

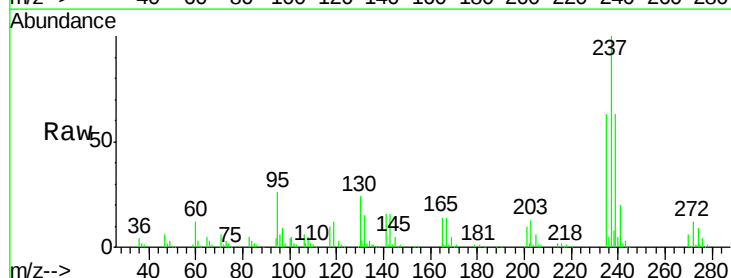
Tgt Ion:237 Resp: 186170

Ion Ratio Lower Upper

237 100

235 63.4 43.7 83.7

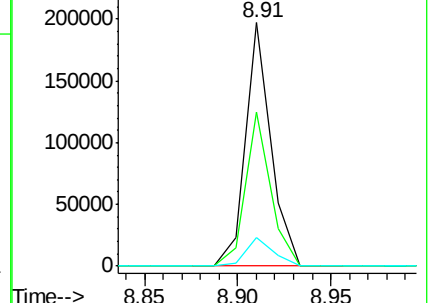
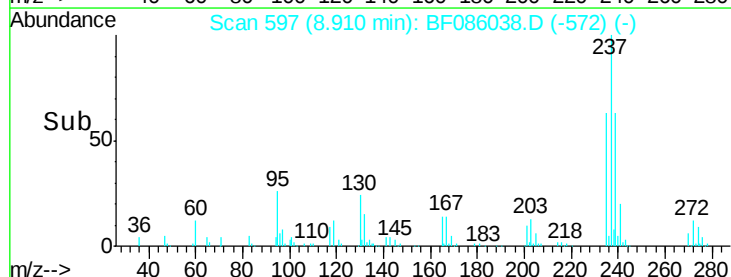
272 11.8 0.0 31.9

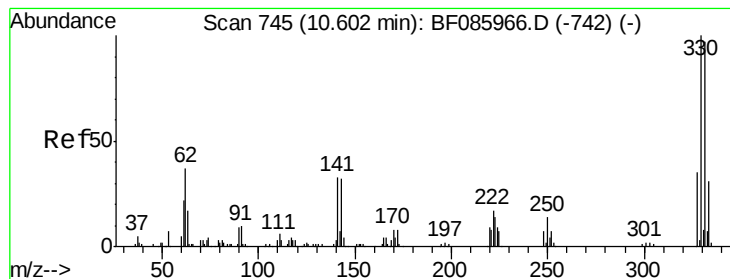


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

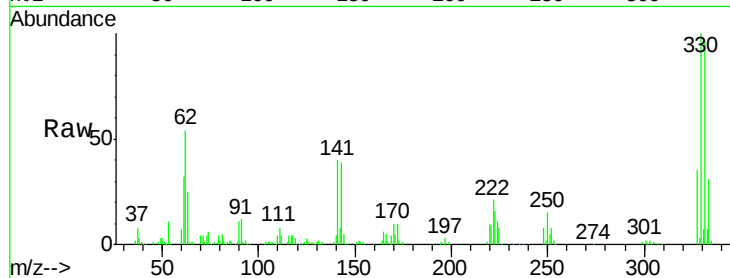




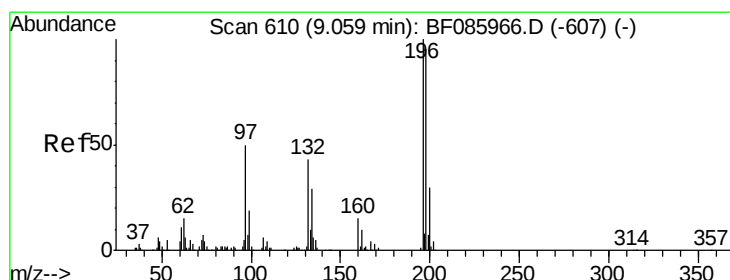
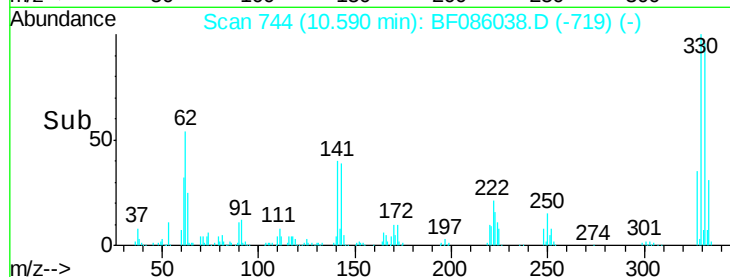
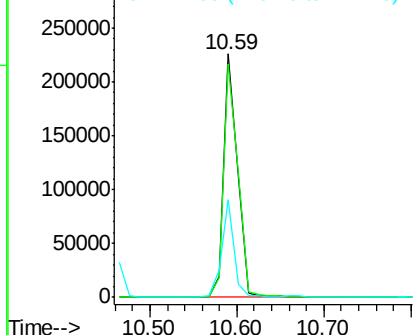
#41
 2,4,6-Tribromophenol
 Concen: 118.05 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion:330 Resp: 254105
 Ion Ratio Lower Upper
 330 100
 332 98.5 78.2 117.2
 141 35.9 31.5 47.3

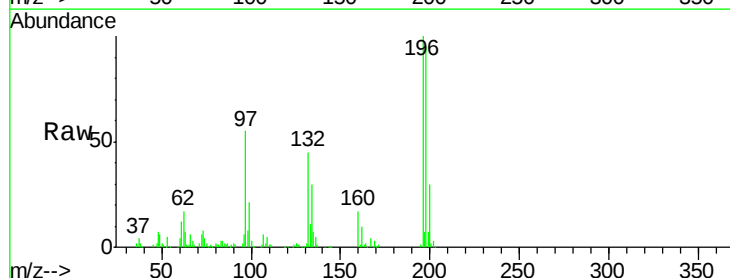


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

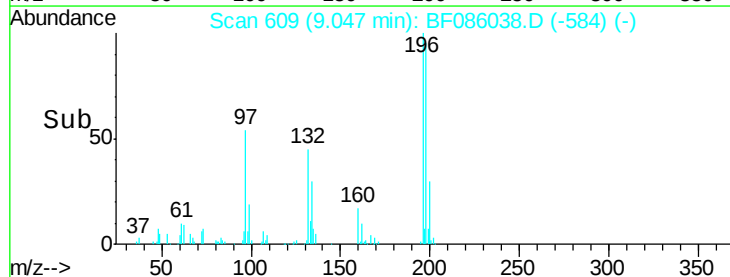
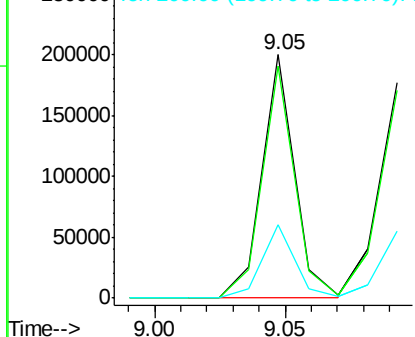


#42
 2,4,6-Trichlorophenol
 Concen: 38.98 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion:196 Resp: 172537
 Ion Ratio Lower Upper
 196 100
 198 95.4 75.3 112.9
 200 29.9 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

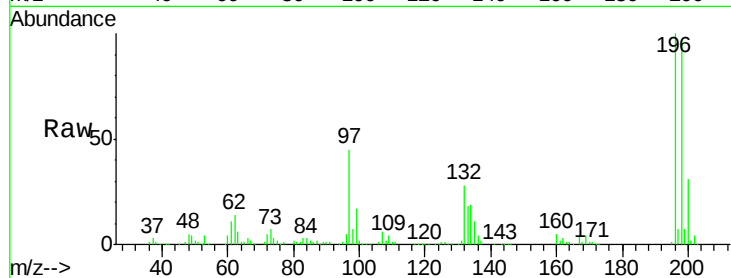




#43
 2,4,5-Trichlorophenol
 Concen: 38.81 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.6	114.8
97	44.8	30.5	45.7
132	27.9	20.2	30.2



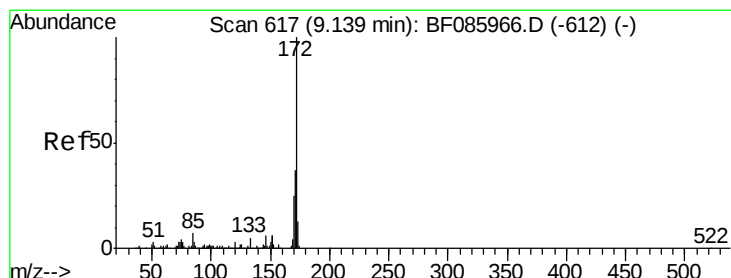
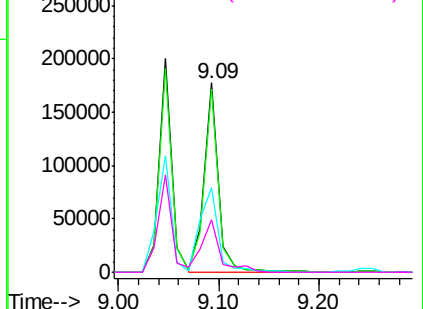
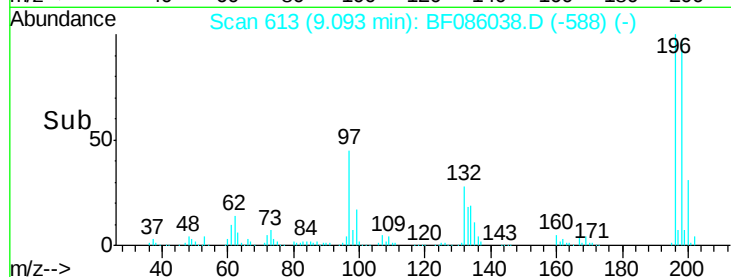
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

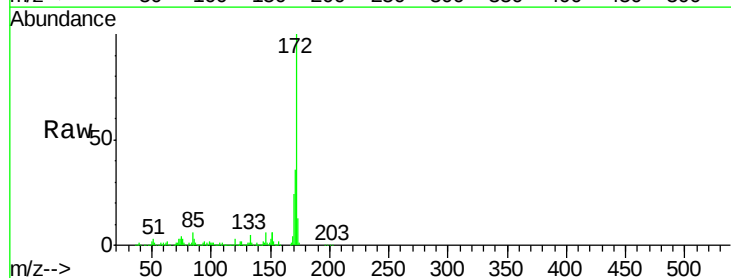
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 84.56 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.5	19.8	29.6

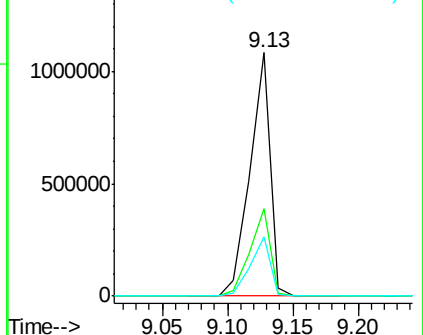
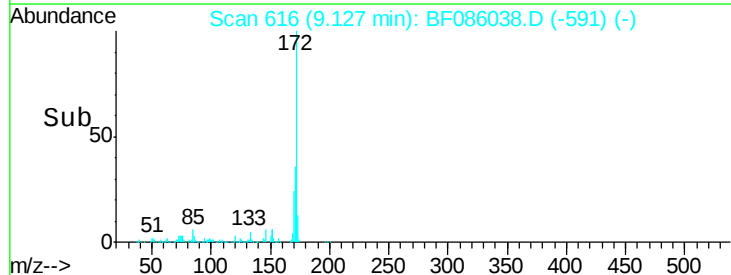


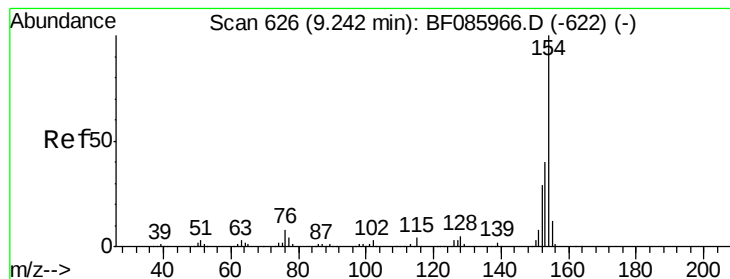
Abundance

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: 35.27 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.02 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

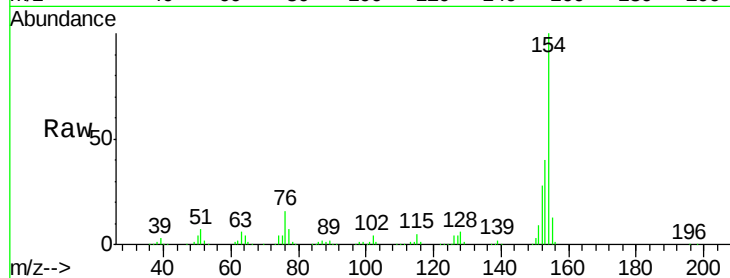
Tgt Ion:154 Resp: 697456

Ion Ratio Lower Upper

154 100

153 40.1 20.8 60.8

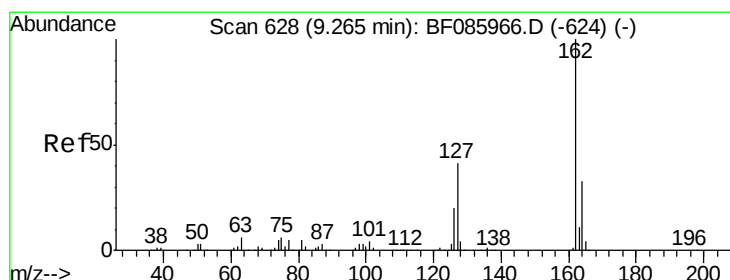
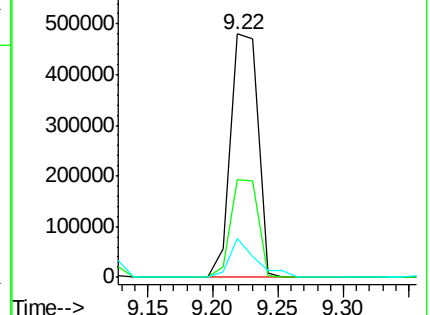
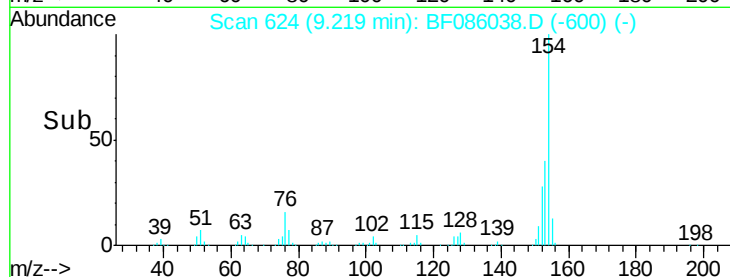
76 15.9 0.0 36.7



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: 38.21 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

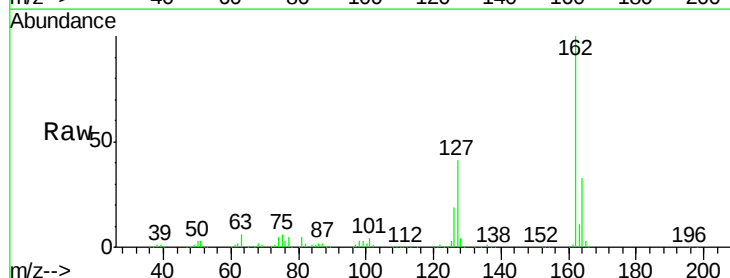
Tgt Ion:162 Resp: 547684

Ion Ratio Lower Upper

162 100

127 40.6 31.7 47.5

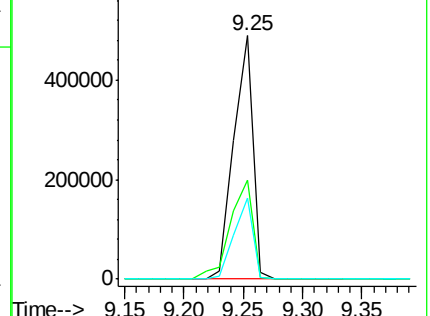
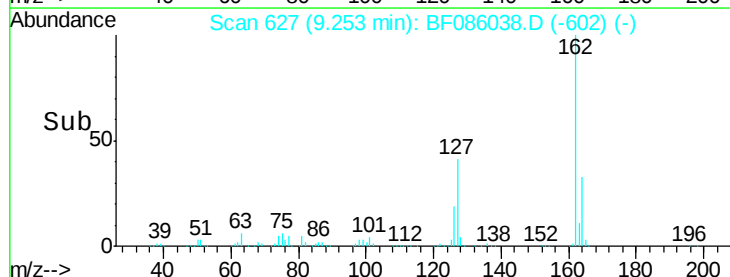
164 33.3 27.3 40.9

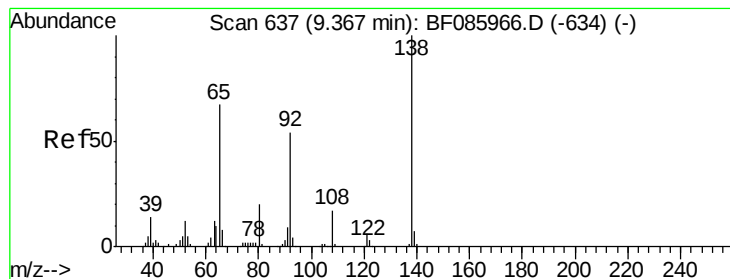


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.17 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

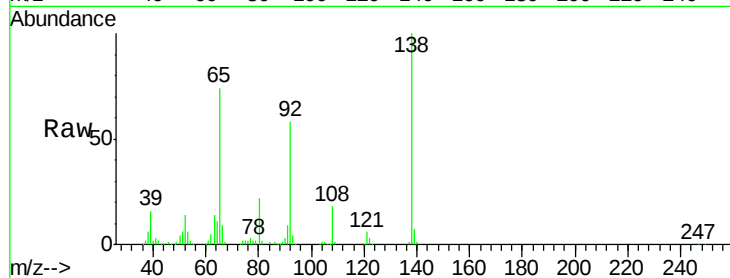
Tgt Ion: 65 Resp: 176856

Ion Ratio Lower Upper

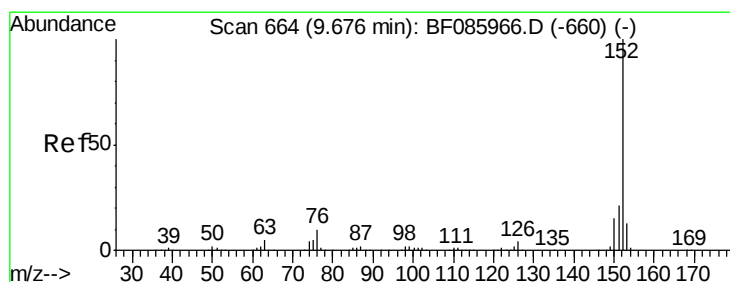
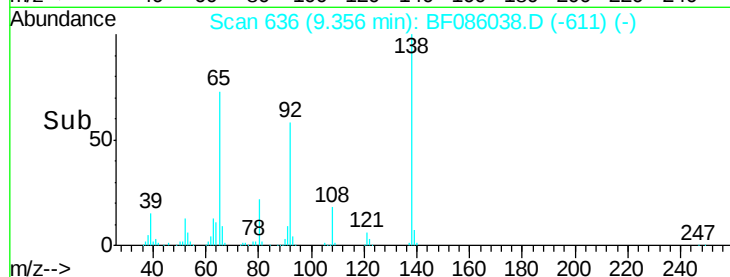
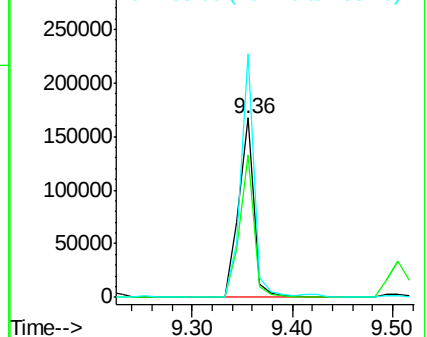
65 100

92 79.1 59.7 89.5

138 135.6 91.4 137.0



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



#48

Acenaphthylene

Concen: 38.46 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

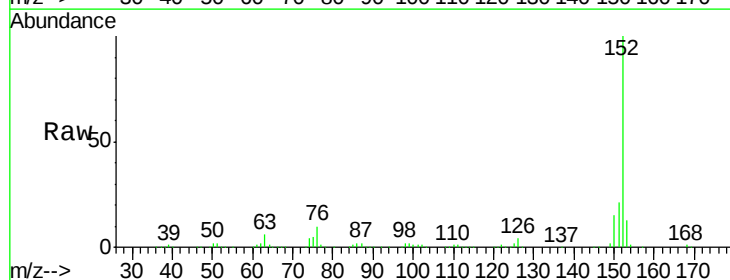
Tgt Ion: 152 Resp: 883190

Ion Ratio Lower Upper

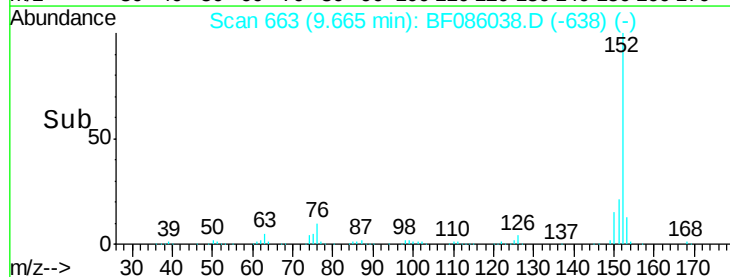
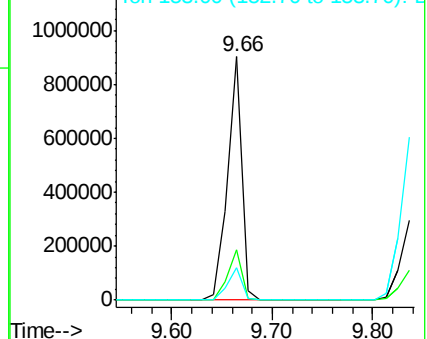
152 100

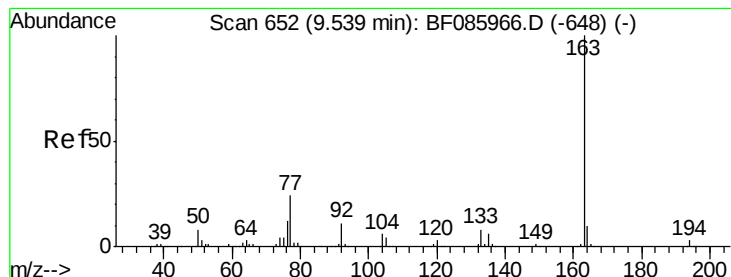
151 20.8 16.8 25.2

153 13.1 10.9 16.3



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





#49

Dimethylphthalate

Concen: 38.98 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

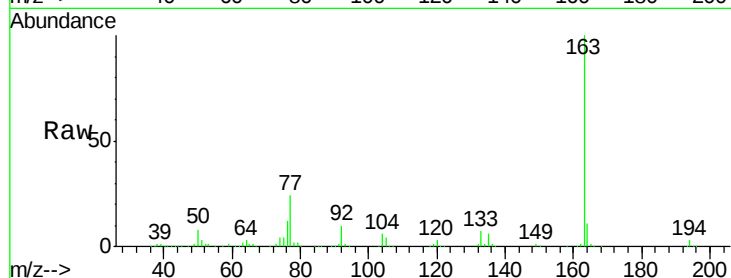
Tgt Ion:163 Resp: 662671

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

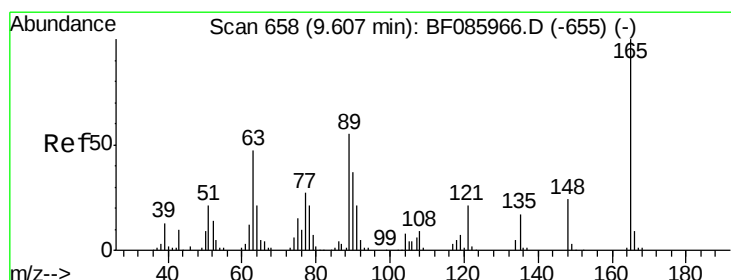
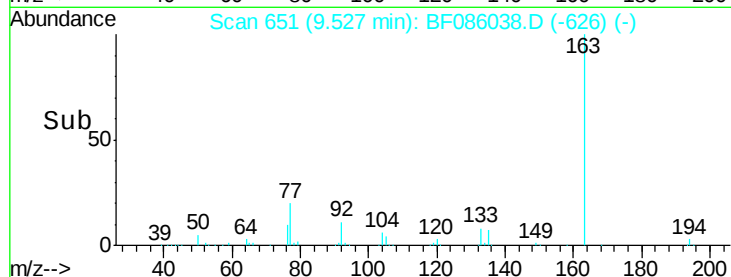
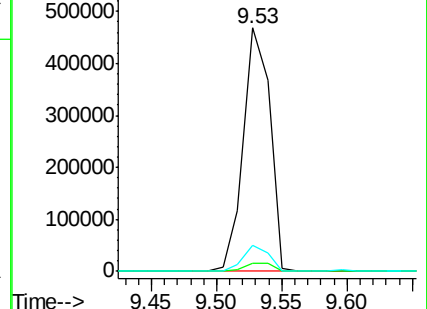
164 10.6 8.3 12.5



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: 41.19 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

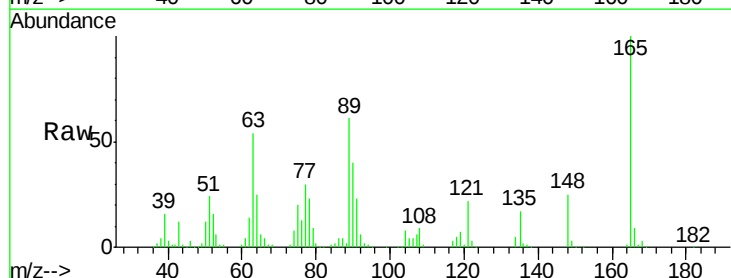
Tgt Ion:165 Resp: 148122

Ion Ratio Lower Upper

165 100

63 54.0 51.8 77.8

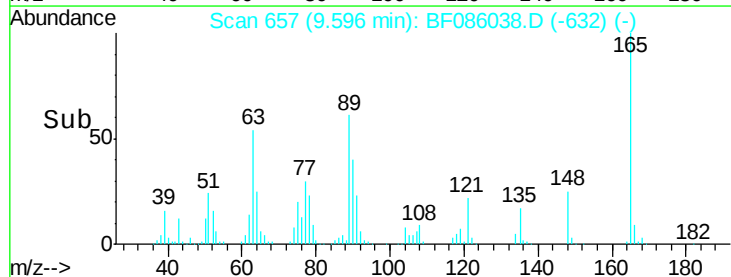
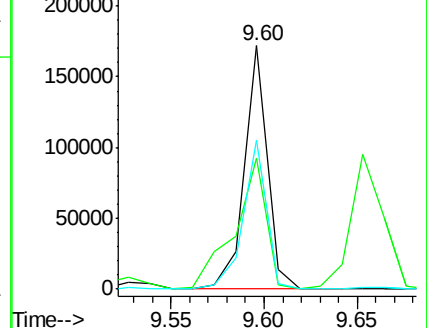
89 61.0 53.7 80.5

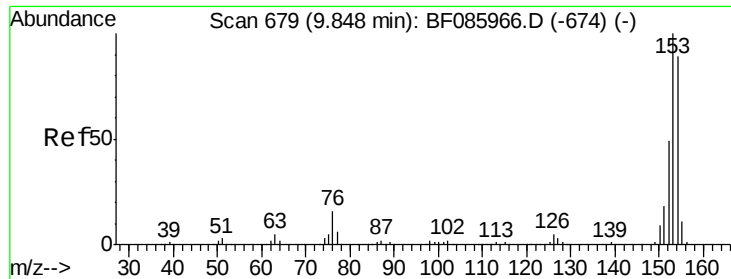


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

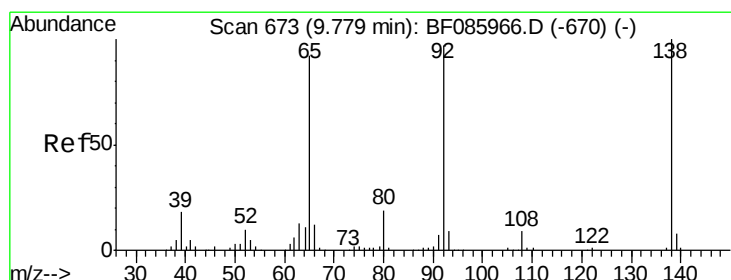
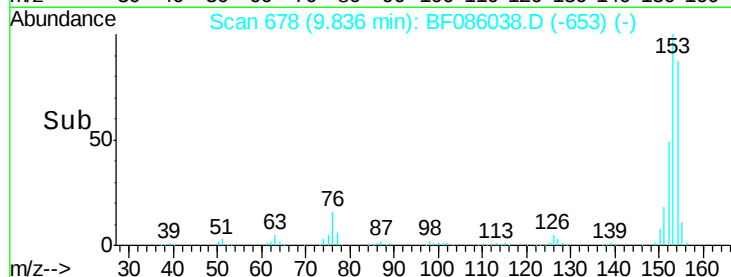
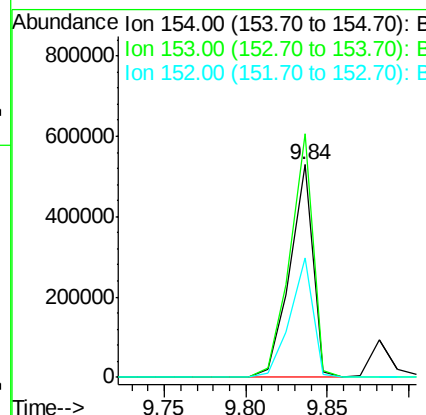
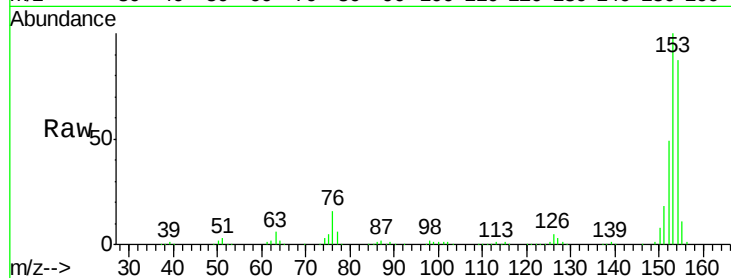




#51
Acenaphthene
Concen: 38.69 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

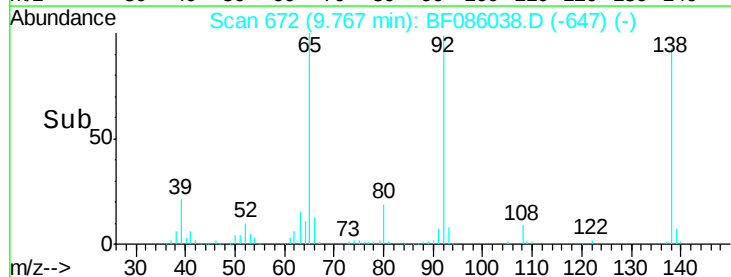
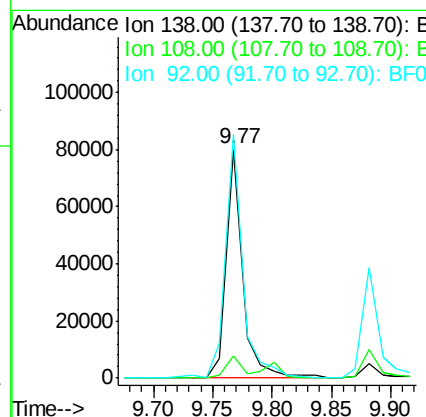
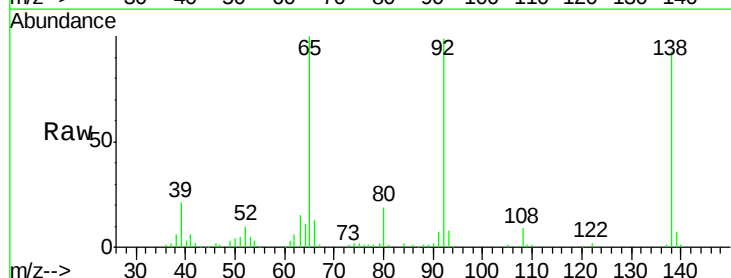
Instrument :
BNA_F
ClientSampleId :
PB89407BS

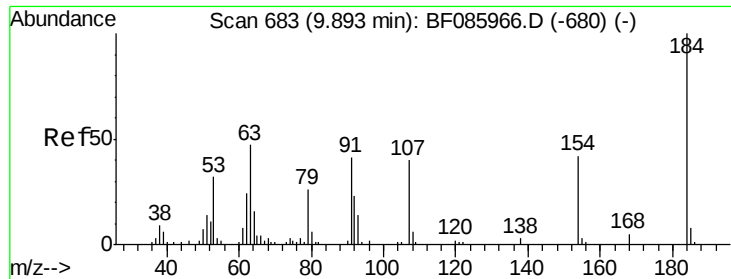
Tgt Ion:154 Resp: 528353
Ion Ratio Lower Upper
154 100
153 114.6 90.1 135.1
152 56.0 44.2 66.2



#52
3-Nitroaniline
Concen: 17.59 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion:138 Resp: 76247
Ion Ratio Lower Upper
138 100
108 9.5 8.7 13.1
92 106.5 93.3 139.9

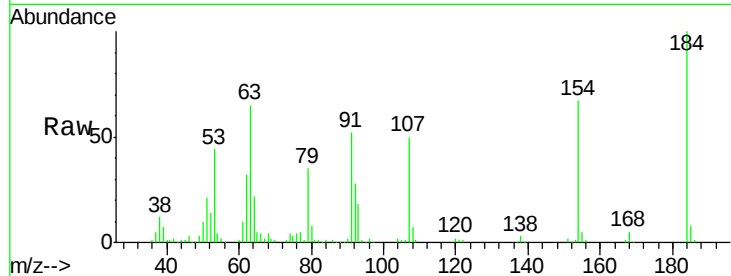




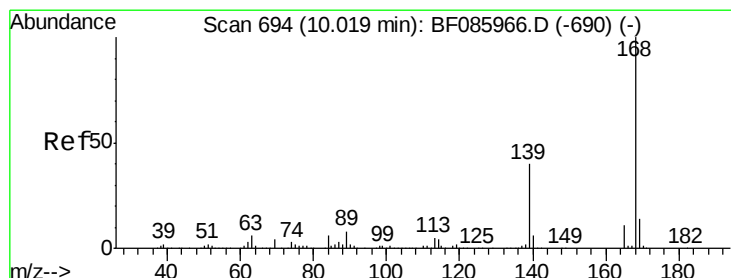
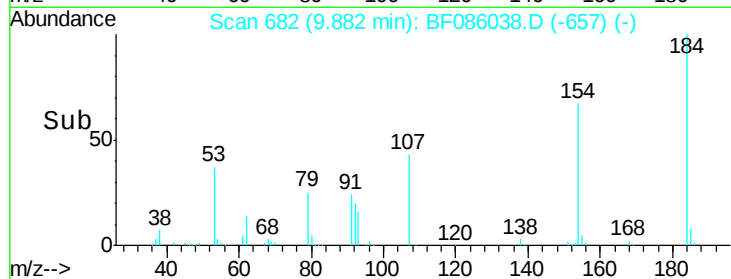
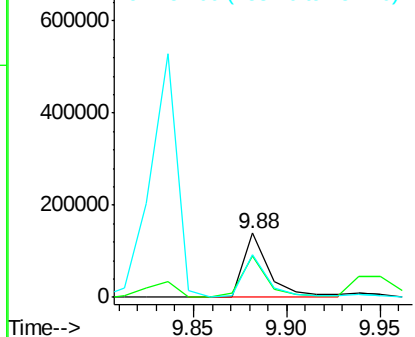
#53
 2,4-Dinitrophenol
 Concen: 62.01 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion:184 Resp: 135235
 Ion Ratio Lower Upper
 184 100
 63 65.2 69.5 104.3#
 154 67.1 58.3 87.5

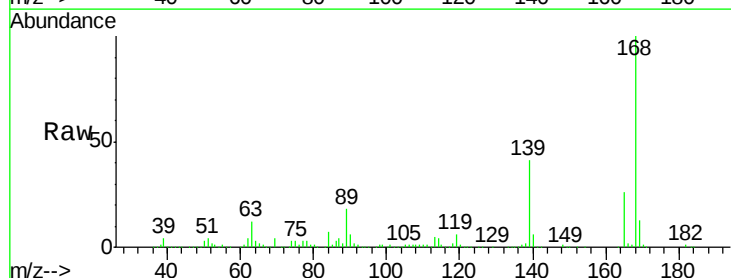


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

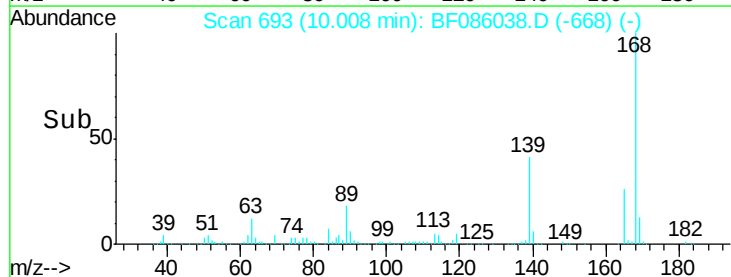
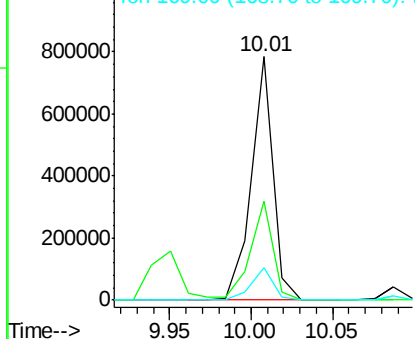


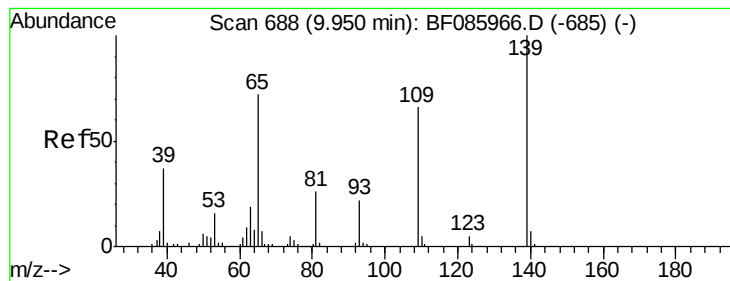
#54
 Dibenzofuran
 Concen: 40.19 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion:168 Resp: 724776
 Ion Ratio Lower Upper
 168 100
 139 40.9 31.9 47.9
 169 13.5 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 85.44 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

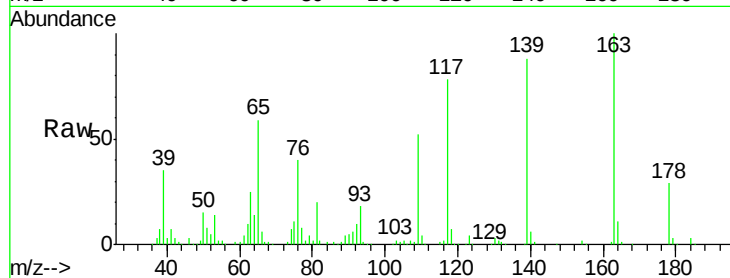
Tgt Ion:139 Resp: 218330

Ion Ratio Lower Upper

139 100

109 59.6 49.2 89.2

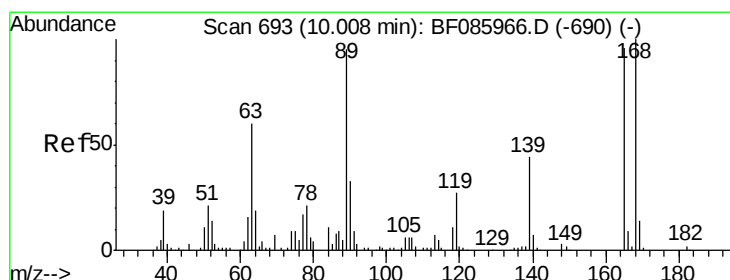
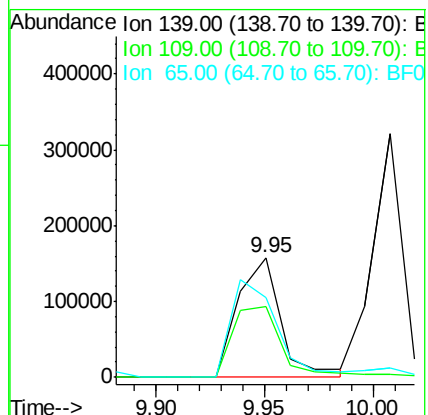
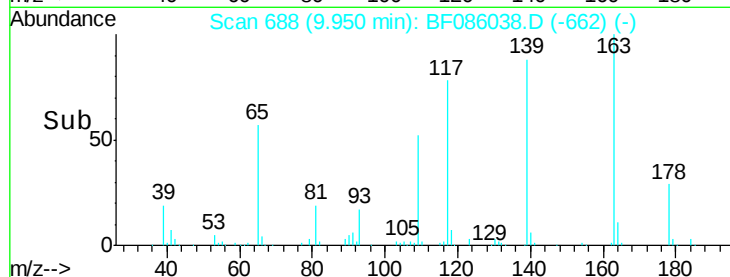
65 67.1 66.9 106.9



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): BF0



#56

2,4-Dinitrotoluene

Concen: 42.16 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Tgt Ion:165 Resp: 191579

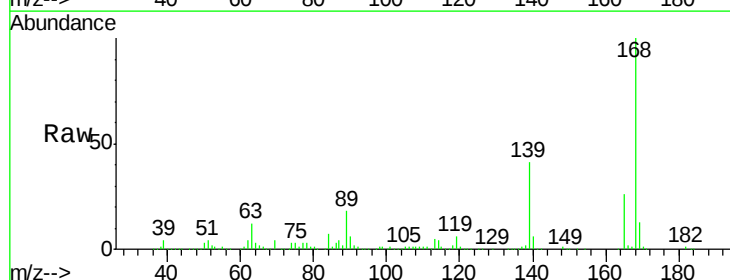
Ion Ratio Lower Upper

165 100

63 46.7 24.9 37.3#

89 70.9 41.0 61.6#

182 2.8 2.1 3.1

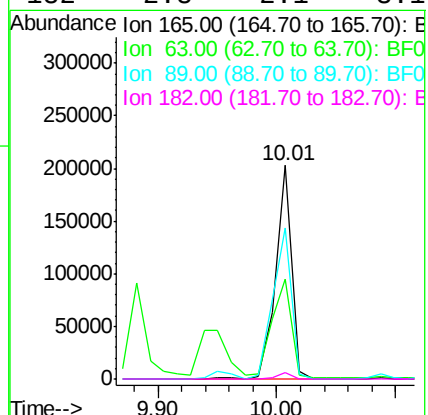
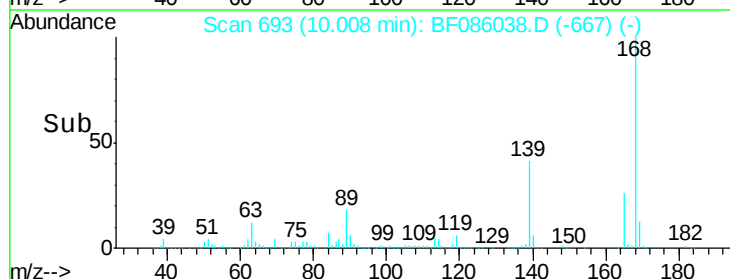


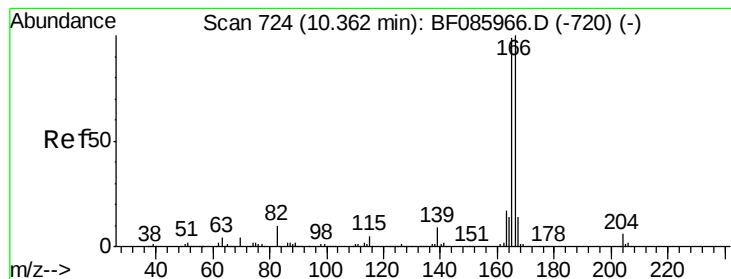
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 39.64 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

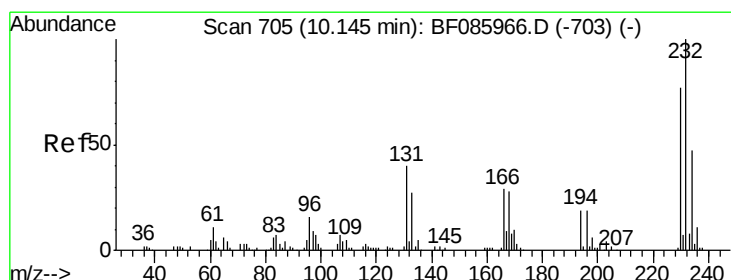
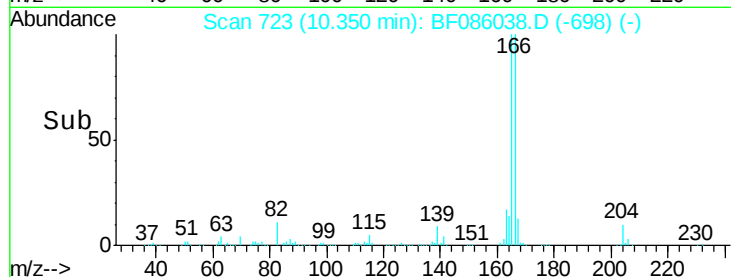
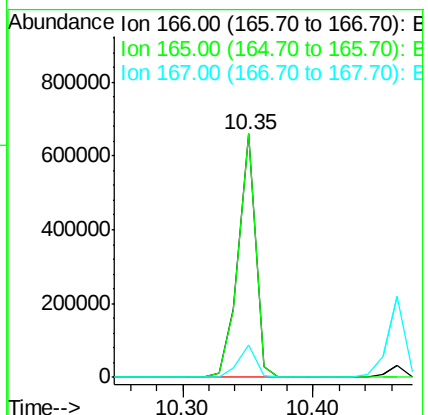
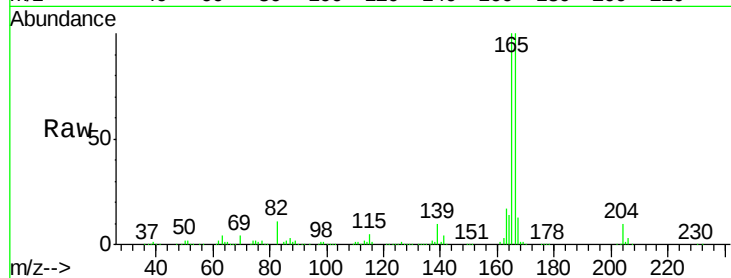
Tgt Ion:166 Resp: 610686

Ion Ratio Lower Upper

166 100

165 99.8 79.4 119.0

167 13.4 11.0 16.4



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.01 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Tgt Ion:232 Resp: 147248

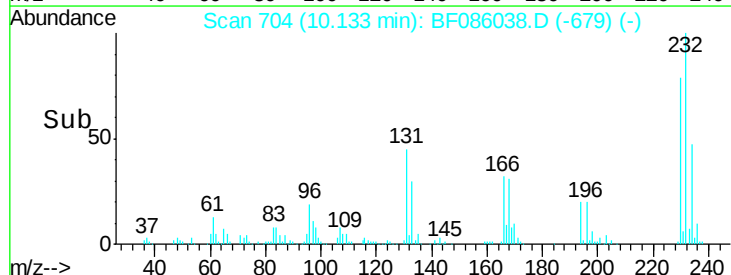
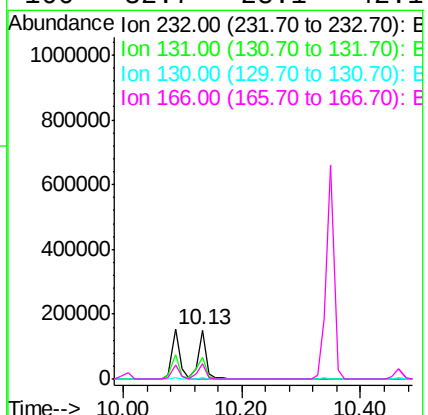
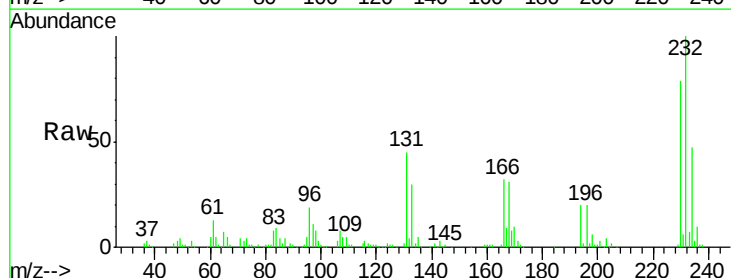
Ion Ratio Lower Upper

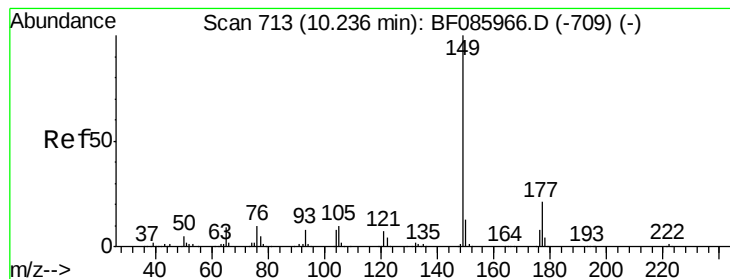
232 100

131 52.3 44.9 67.3

130 2.7 2.3 3.5

166 32.7 28.1 42.1





#59

Diethylphthalate

Concen: 37.55 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

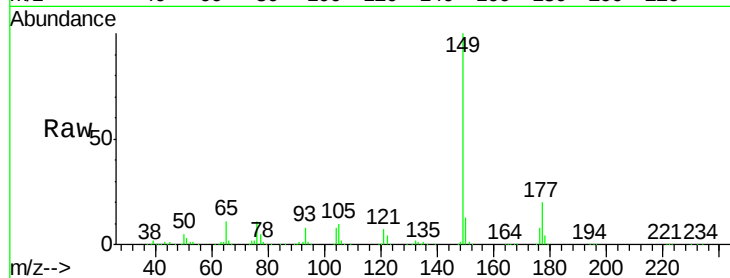
Tgt Ion:149 Resp: 644176

Ion Ratio Lower Upper

149 100

177 20.3 17.9 26.9

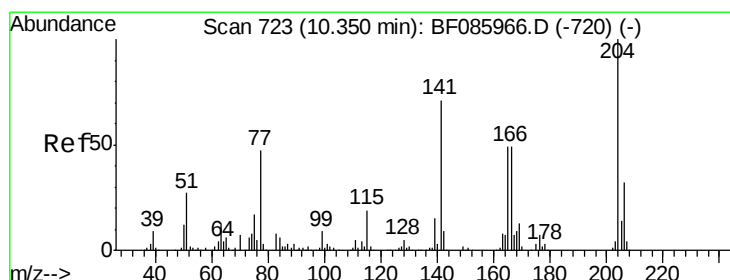
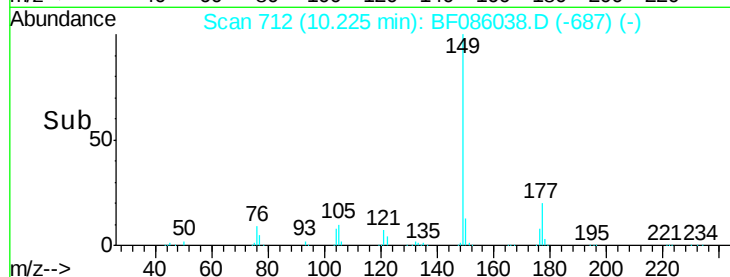
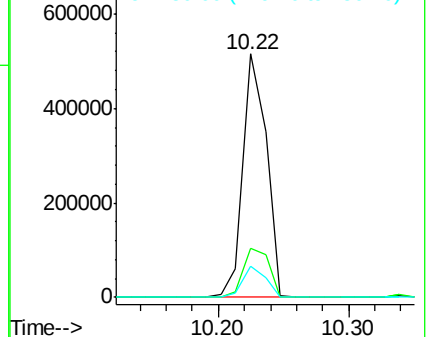
150 13.0 10.2 15.2



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: 37.60 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

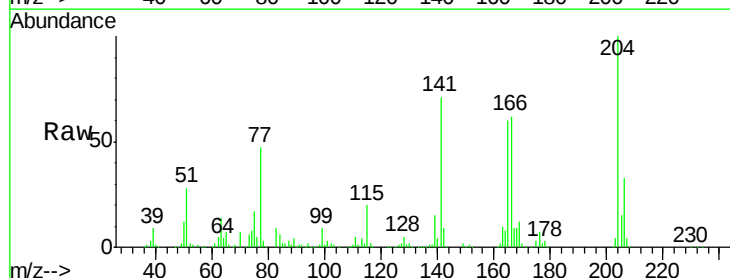
Tgt Ion:204 Resp: 269845

Ion Ratio Lower Upper

204 100

206 32.9 26.6 39.8

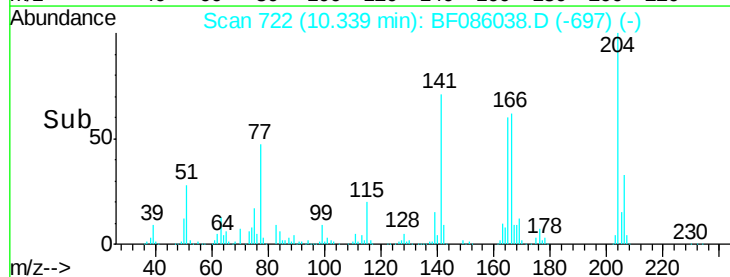
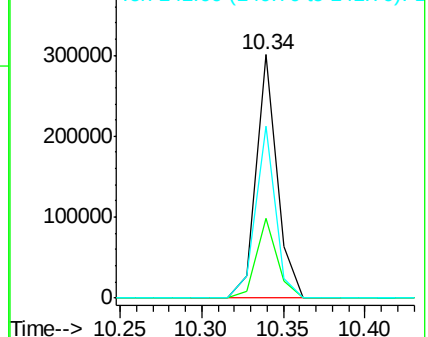
141 70.5 57.4 86.0

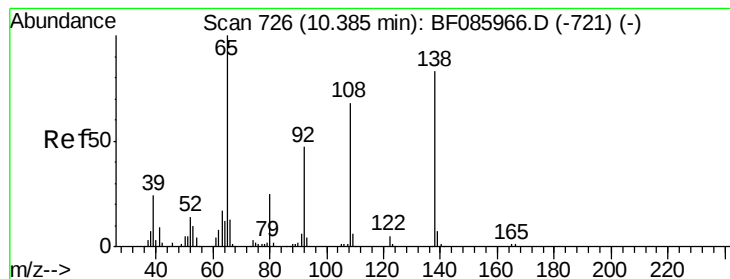


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 39.92 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

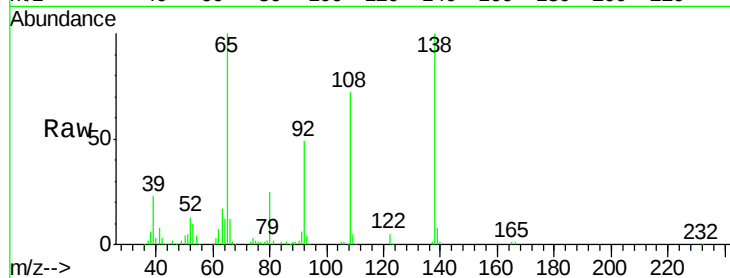
Tgt Ion:138 Resp: 170388

Ion Ratio Lower Upper

138 100

92 49.4 26.4 66.4

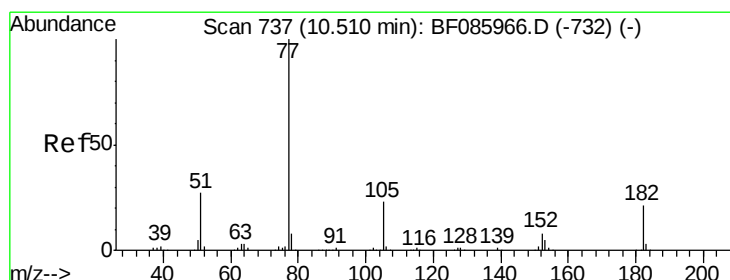
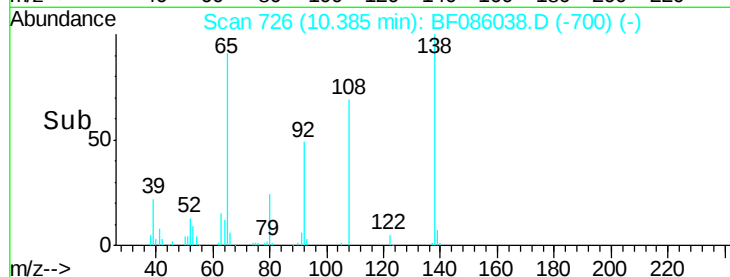
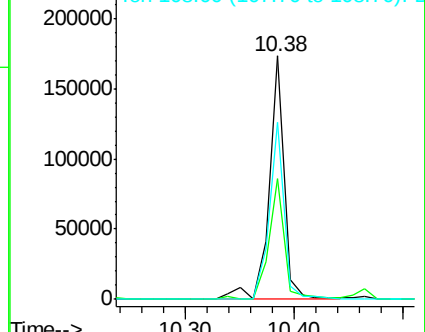
108 72.5 49.0 89.0



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: 41.90 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Tgt Ion: 77 Resp: 688550

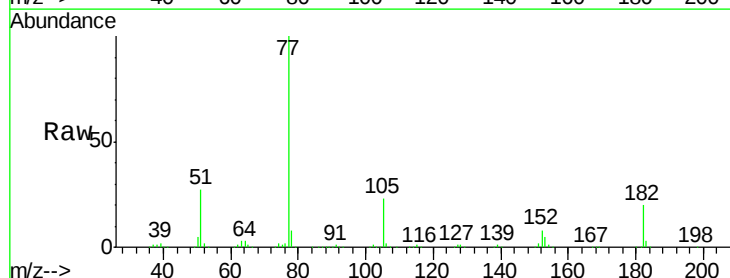
Ion Ratio Lower Upper

77 100

182 20.3 1.9 41.9

105 22.8 3.5 43.5

51 26.7 6.3 46.3

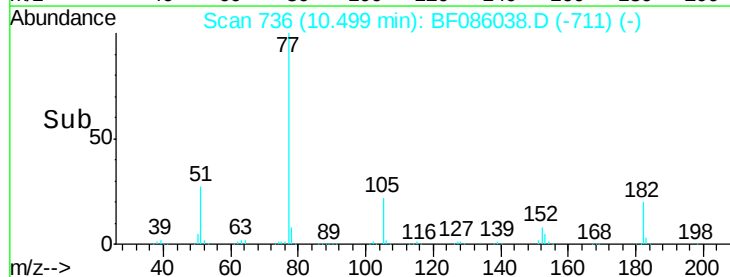
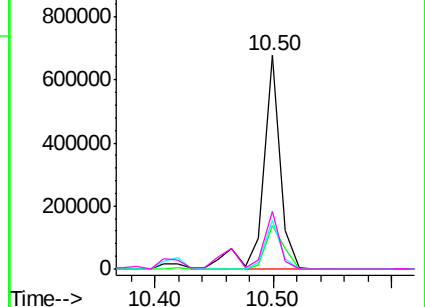


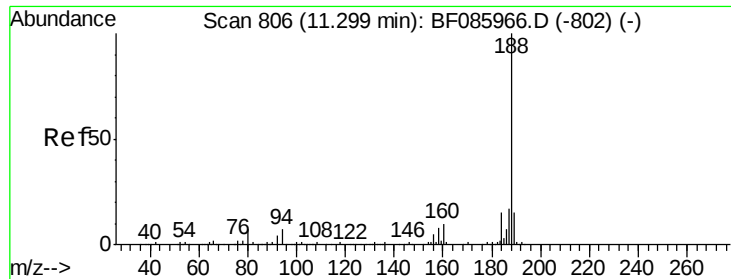
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

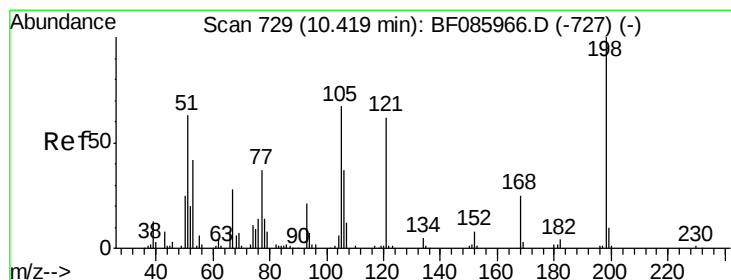
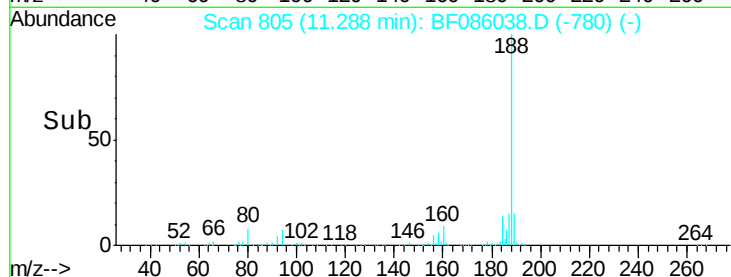
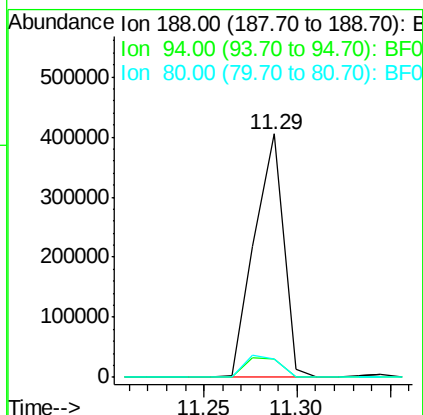
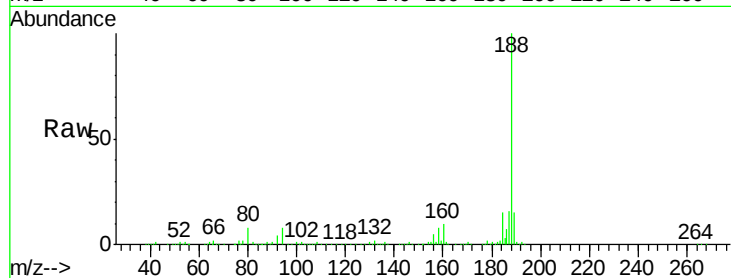




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

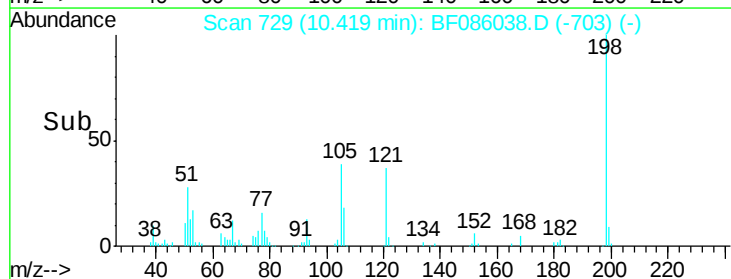
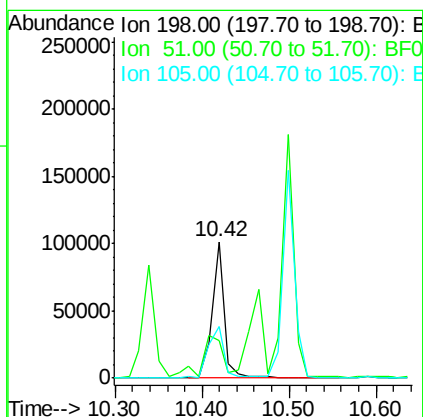
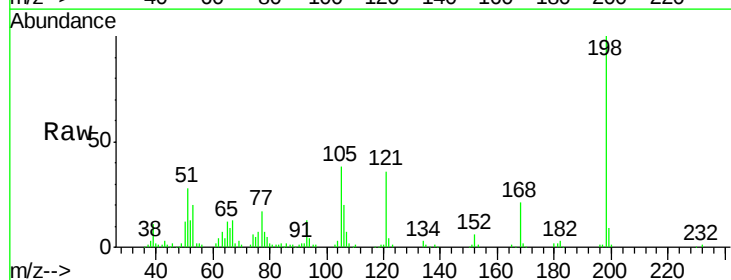
Instrument :
BNA_F
ClientSampleId :
PB89407BS

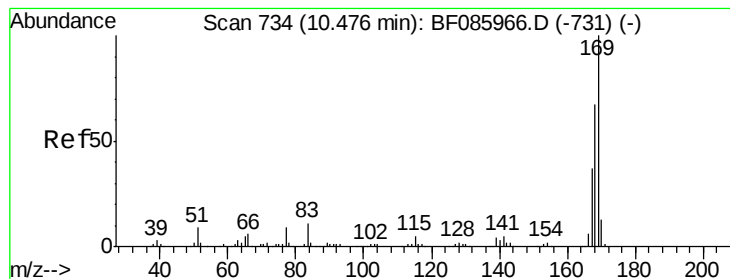
Tgt Ion:188 Resp: 439484
Ion Ratio Lower Upper
188 100
94 7.6 5.4 8.0
80 7.7 5.5 8.3



#64
4,6-Dinitro-2-methylphenol
Concen: 38.02 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion:198 Resp: 101255
Ion Ratio Lower Upper
198 100
51 27.7 45.4 85.4#
105 37.5 45.9 85.9#





#65

n-Nitrosodiphenylamine

Concen: 39.36 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

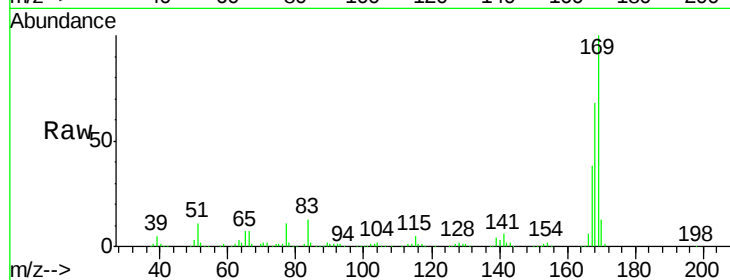
Tgt Ion:169 Resp: 540975

Ion Ratio Lower Upper

169 100

168 67.7 54.4 81.6

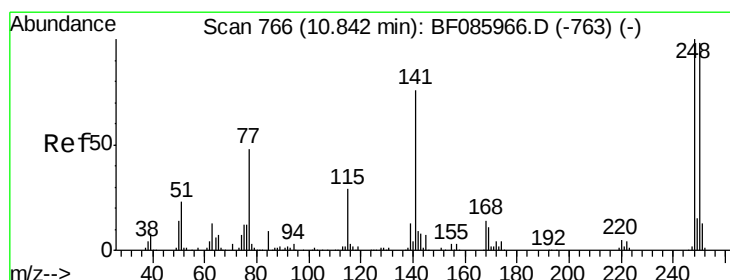
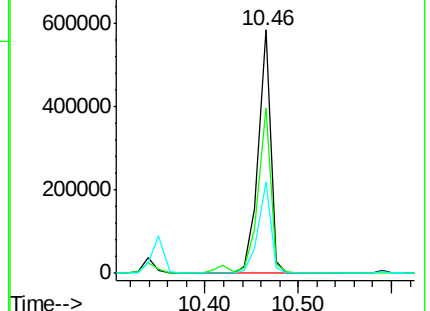
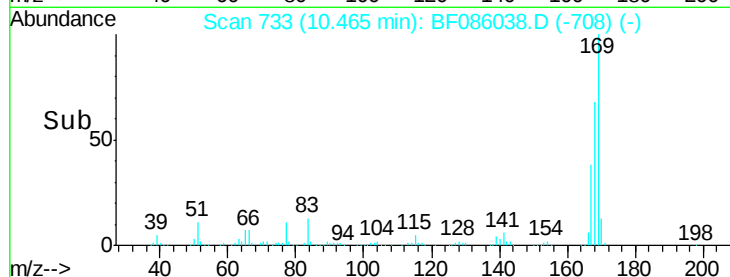
167 37.6 29.4 44.0



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: 39.65 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

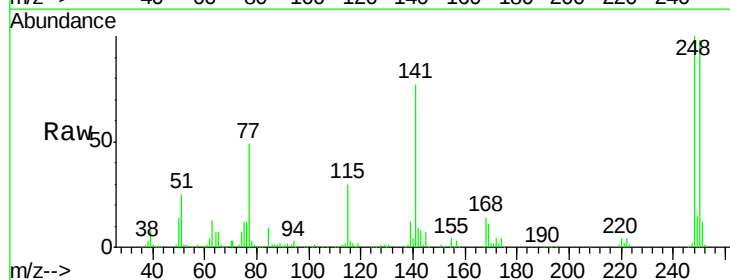
Tgt Ion:248 Resp: 177917

Ion Ratio Lower Upper

248 100

250 97.9 77.4 116.0

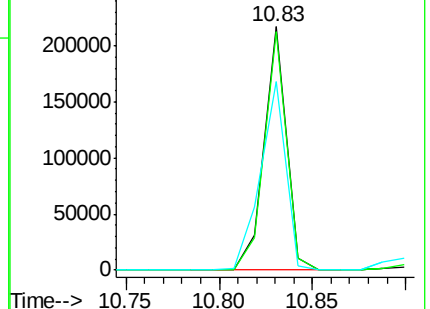
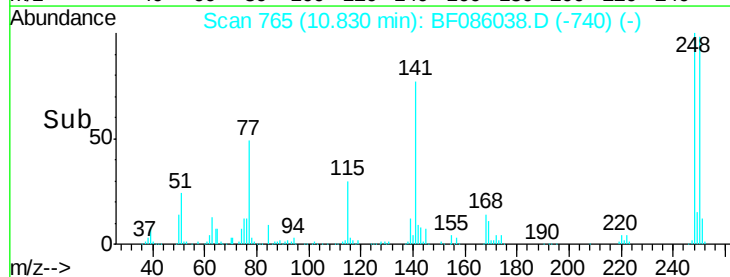
141 77.4 63.6 95.4

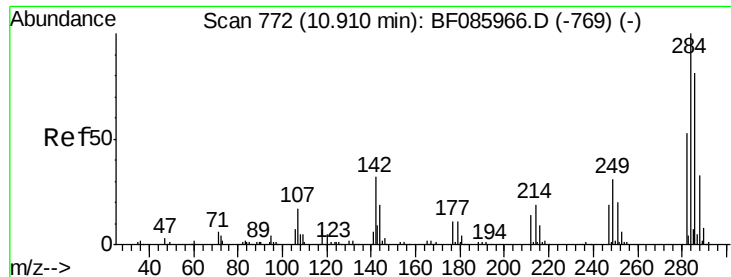


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

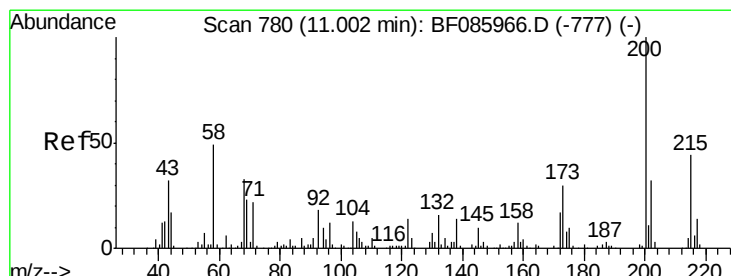
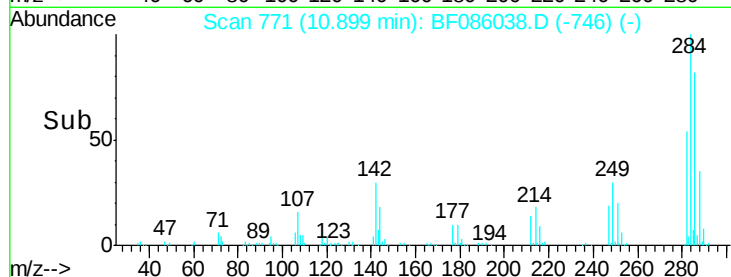
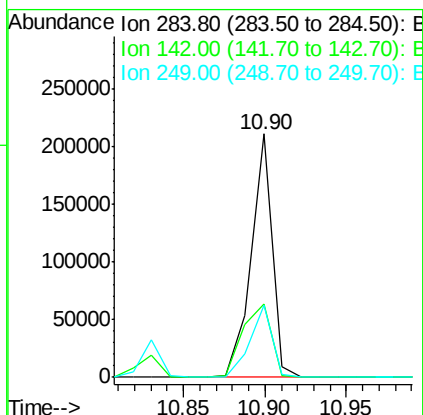
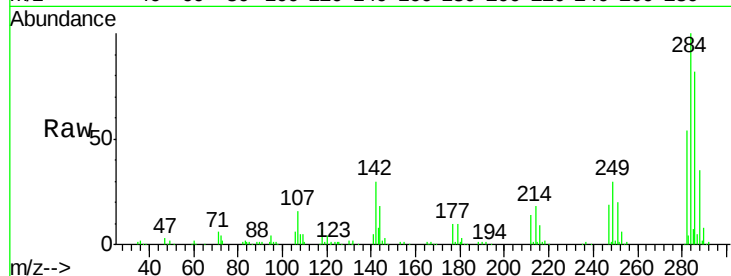




#67
Hexachlorobenzene
Concen: 40.77 ng
RT: 10.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

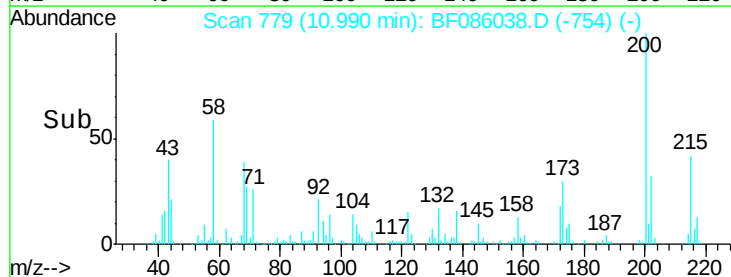
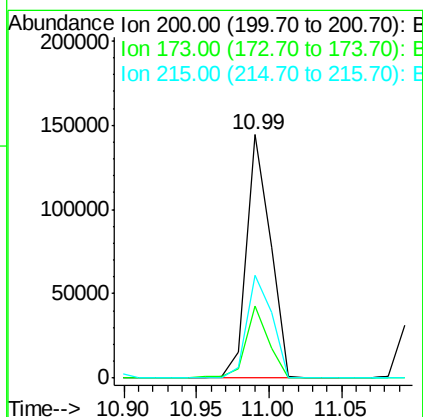
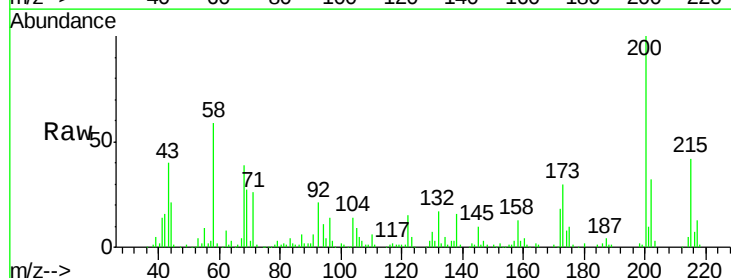
Instrument :
BNA_F
ClientSampled :
PB89407BS

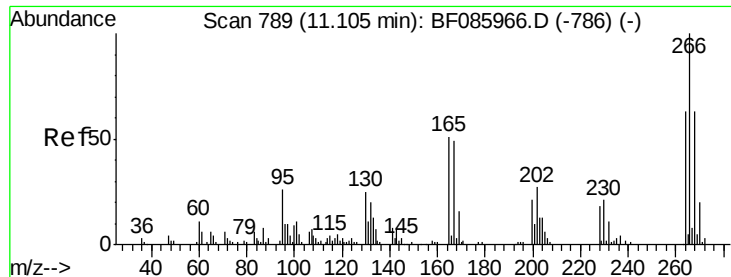
Tgt Ion:284 Resp: 189191
Ion Ratio Lower Upper
284 100
142 30.3 23.1 34.7
249 29.6 24.2 36.2



#68
Atrazine
Concen: 37.13 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF086038.D
Acq: 4 Apr 2016 15:03

Tgt Ion:200 Resp: 164884
Ion Ratio Lower Upper
200 100
173 29.7 7.7 47.7
215 42.2 25.4 65.4

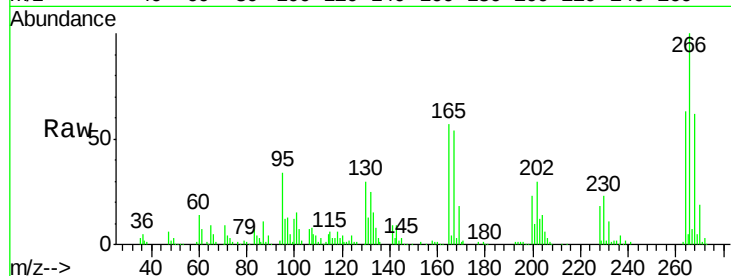




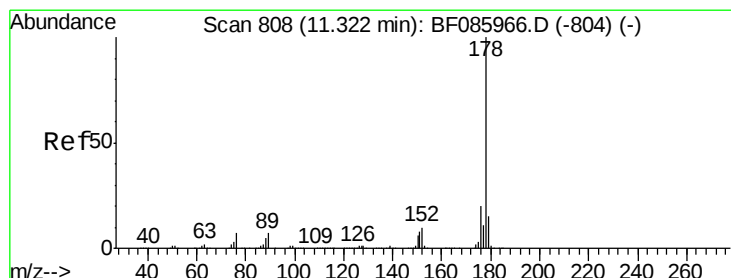
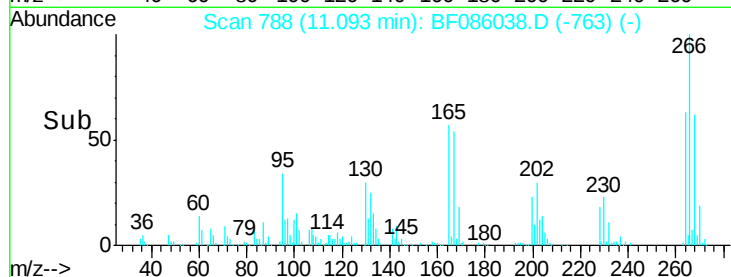
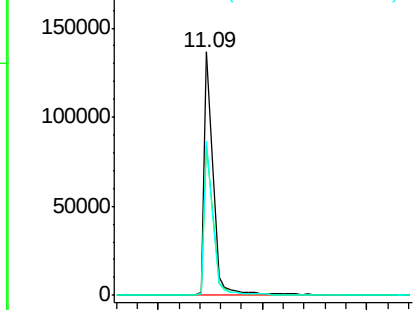
#69
 Pentachlorophenol
 Concen: 77.36 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion:266 Resp: 168220
 Ion Ratio Lower Upper
 266 100
 268 61.7 51.5 77.3
 264 63.1 50.6 76.0

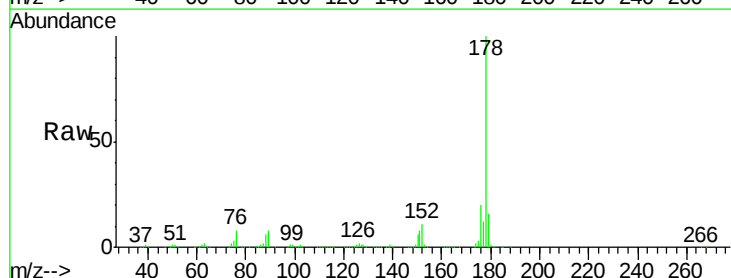


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

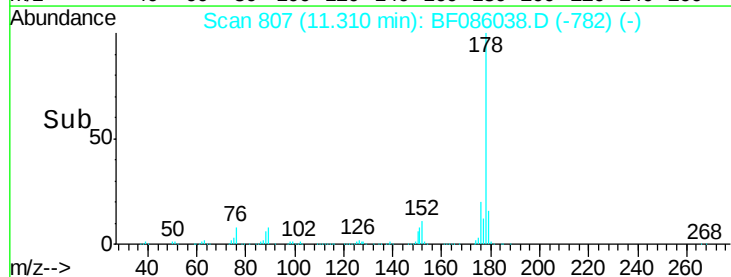
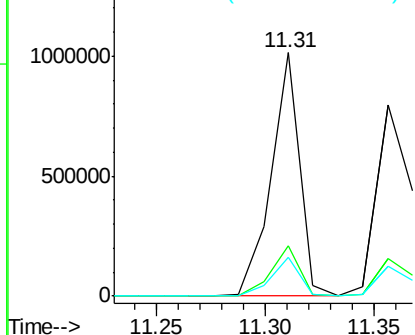


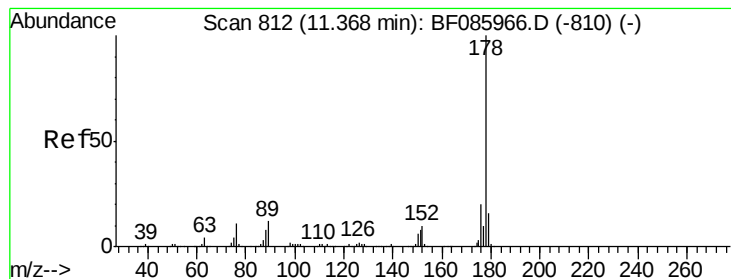
#70
 Phenanthrene
 Concen: 38.92 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion:178 Resp: 933204
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.3 24.5
 179 15.7 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: 35.63 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

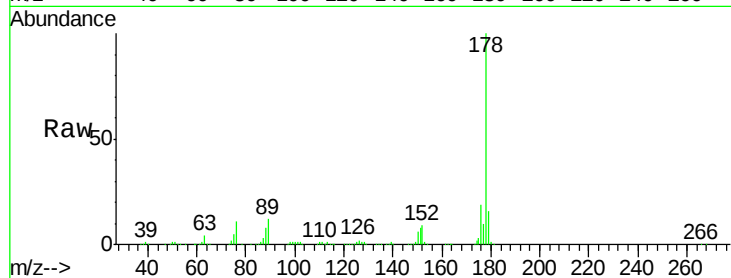
Tgt Ion:178 Resp: 894981

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

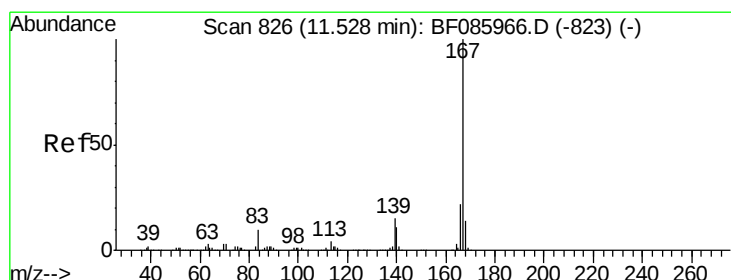
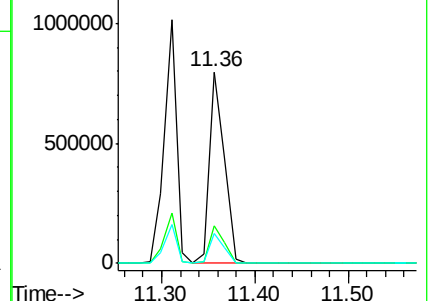
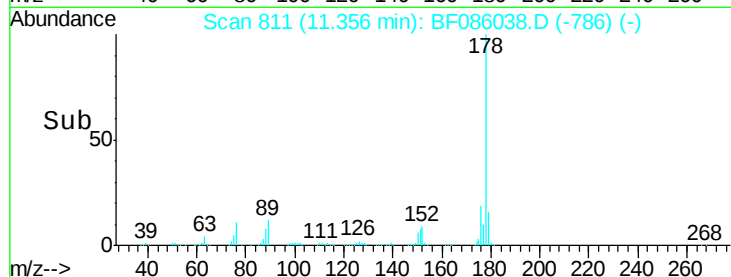
179 15.8 13.0 19.4



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: 36.59 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

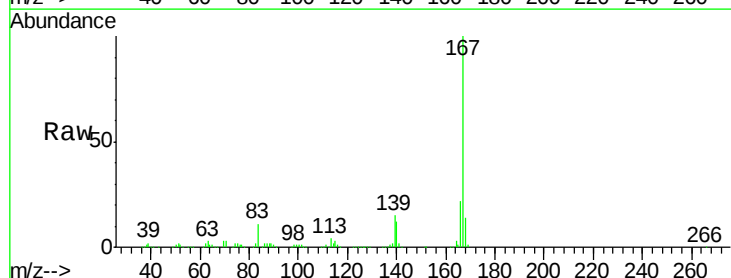
Tgt Ion:167 Resp: 789893

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.8

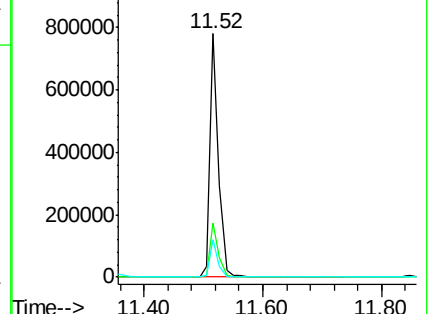
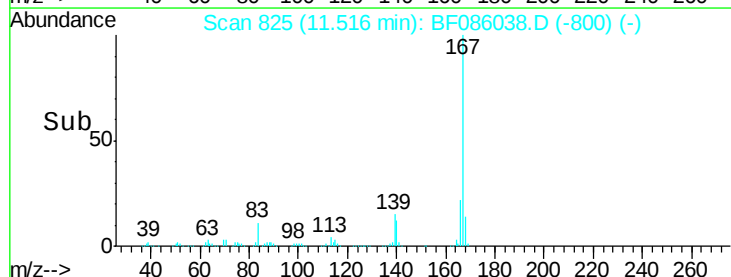
139 15.2 11.6 17.4

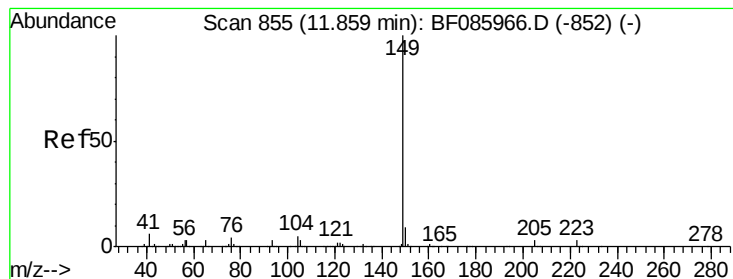


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.36 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

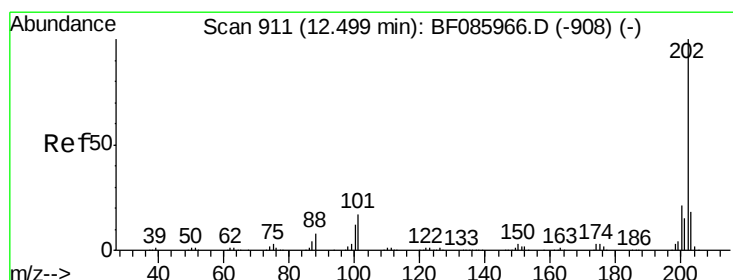
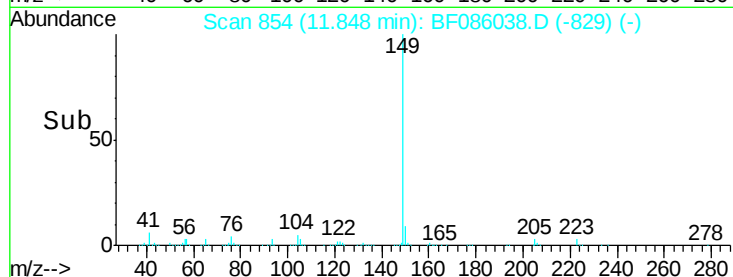
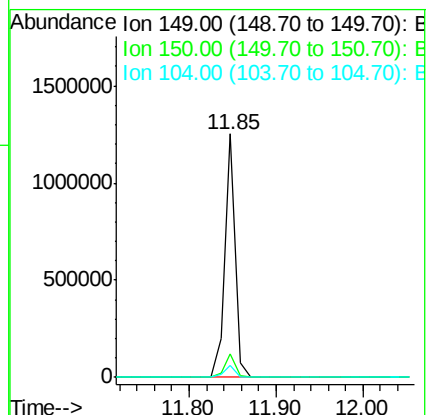
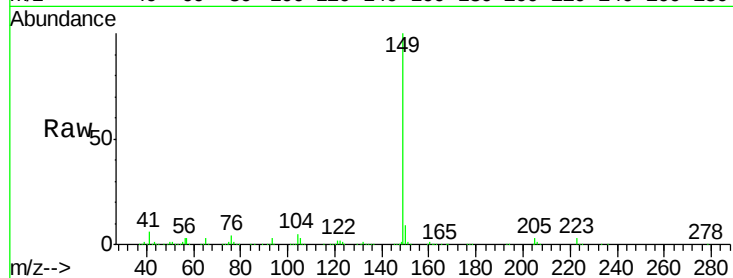
Tgt Ion:149 Resp: 1052894

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

104 4.9 3.8 5.8



#74

Fluoranthene

Concen: 38.42 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

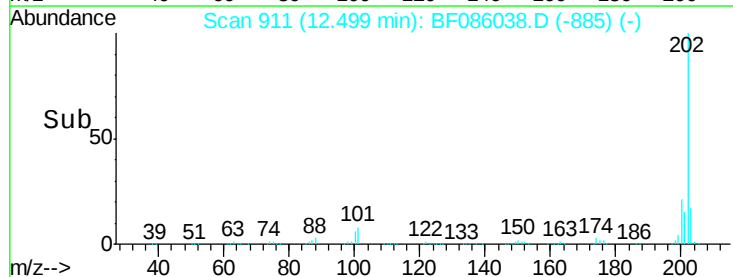
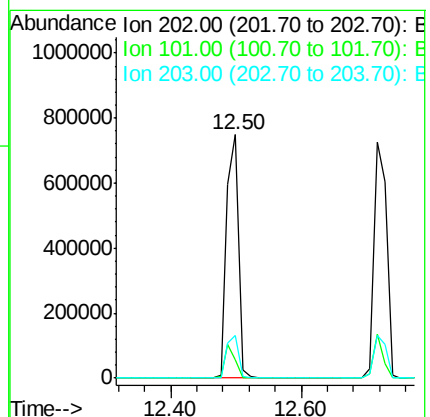
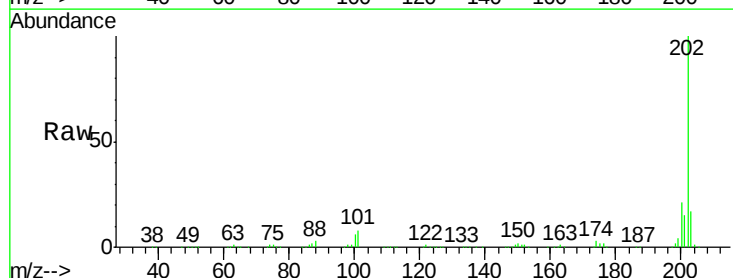
Tgt Ion:202 Resp: 958010

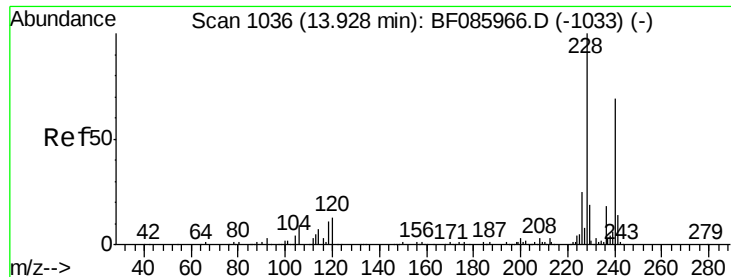
Ion Ratio Lower Upper

202 100

101 7.7 0.0 36.6

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

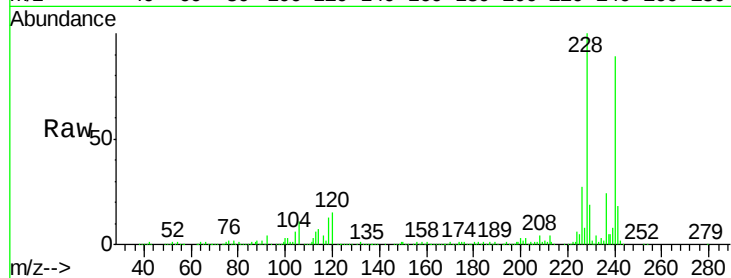
Tgt Ion:240 Resp: 343917

Ion Ratio Lower Upper

240 100

120 17.3 13.8 20.8

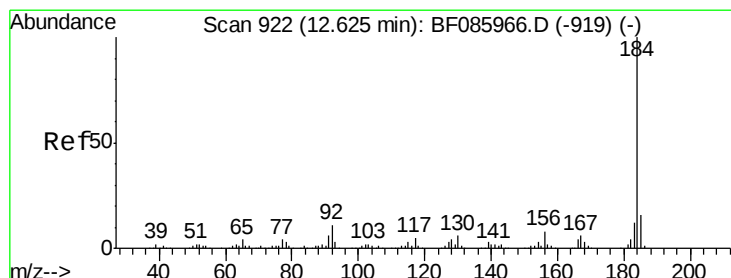
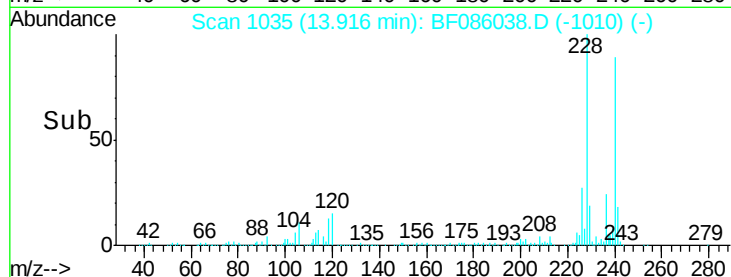
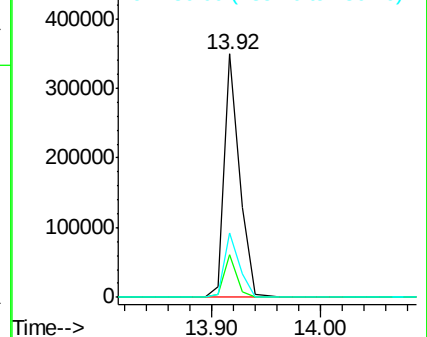
236 26.7 20.6 30.8



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: 25.98 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

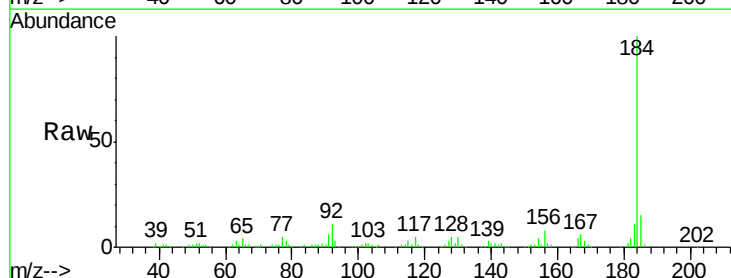
Tgt Ion:184 Resp: 315185

Ion Ratio Lower Upper

184 100

185 15.1 12.4 18.6

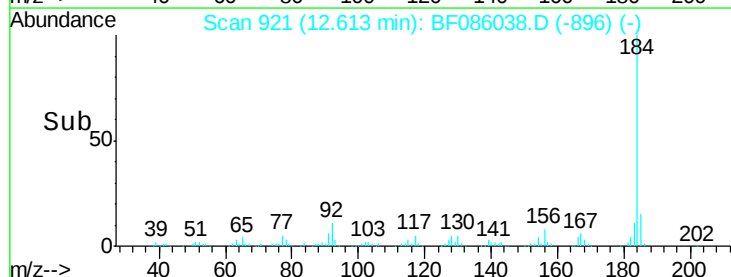
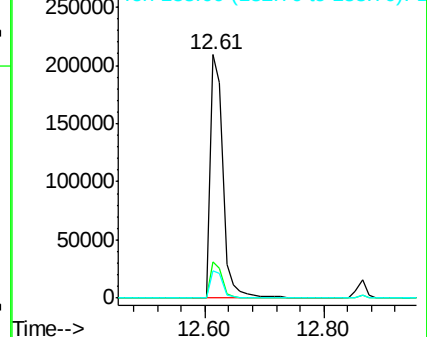
183 11.3 9.4 14.2

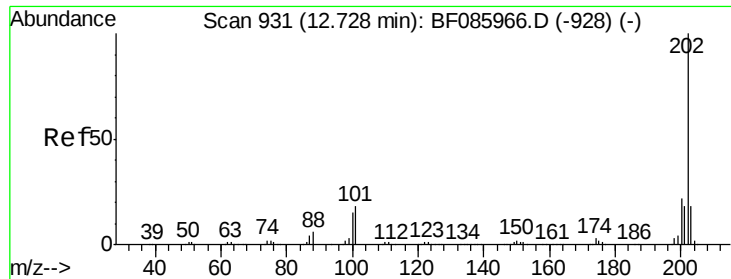


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

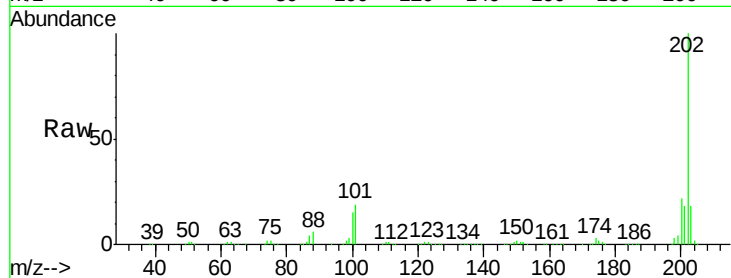




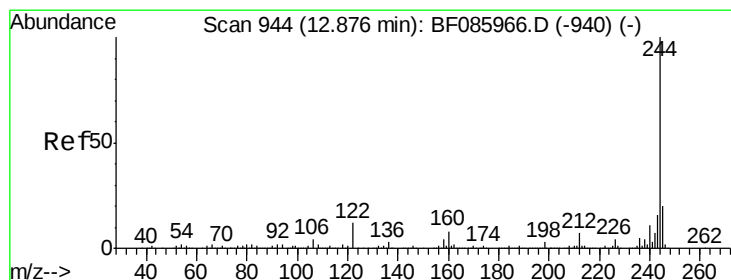
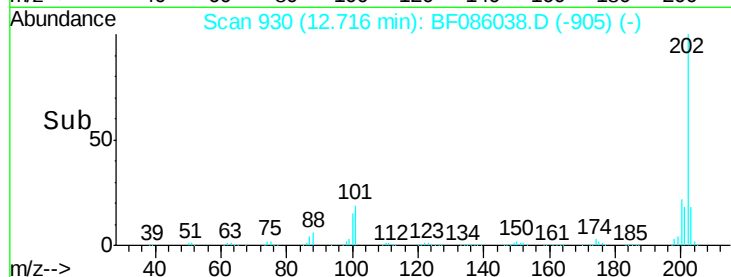
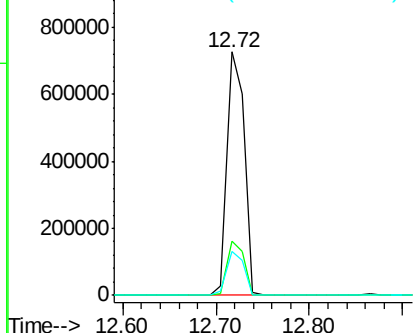
#77
 Pyrene
 Concen: 38.98 ng
 RT: 12.72 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

Tgt Ion: 202 Resp: 944677
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.6 26.4
 203 18.1 14.0 21.0

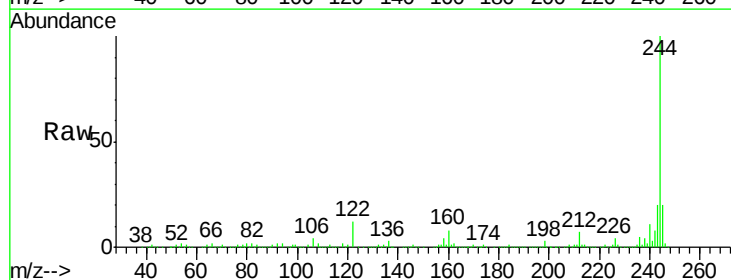


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

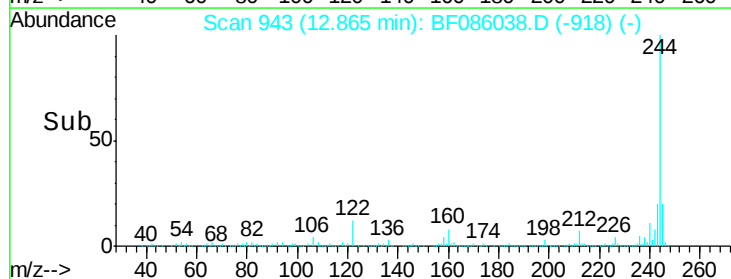
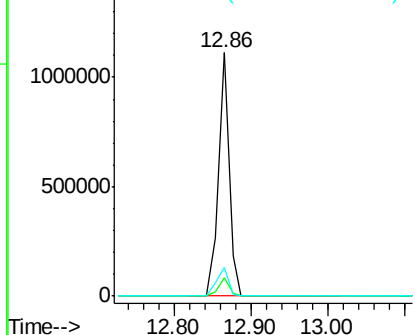


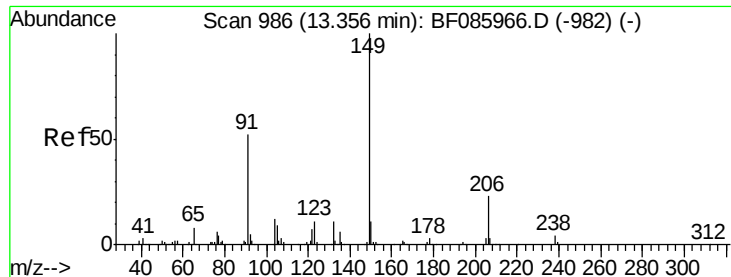
#78
 Terphenyl-d14
 Concen: 73.84 ng
 RT: 12.86 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion: 244 Resp: 1080352
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 12.0 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: 41.23 ng

RT: 13.34 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

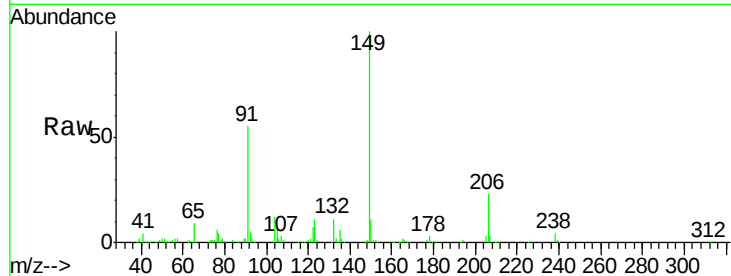
Tgt Ion:149 Resp: 449977

Ion Ratio Lower Upper

149 100

91 54.7 45.8 68.8

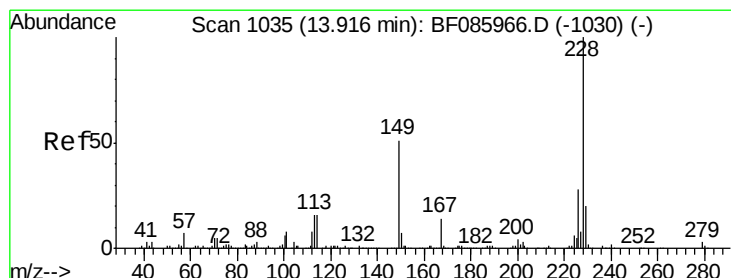
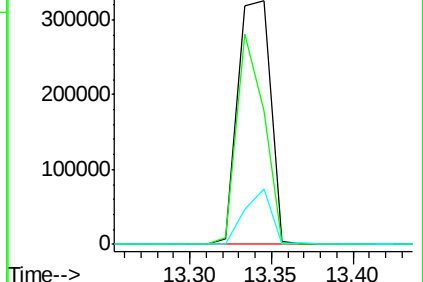
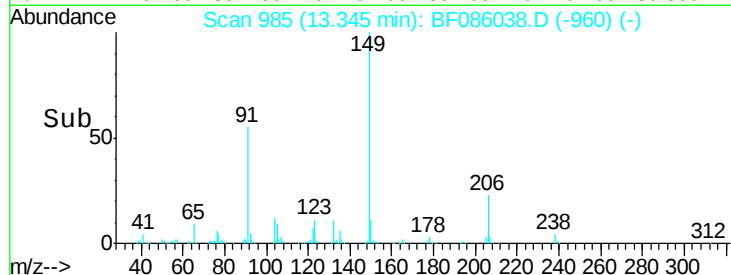
206 22.6 17.8 26.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 39.07 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

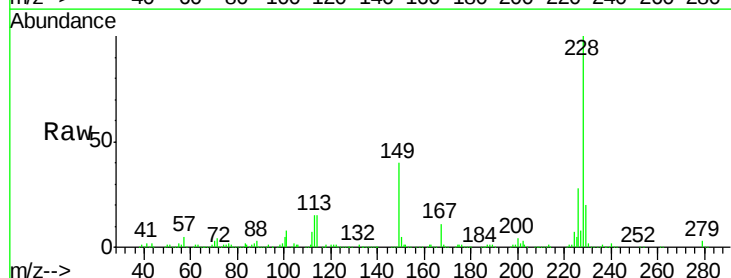
Tgt Ion:228 Resp: 792138

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

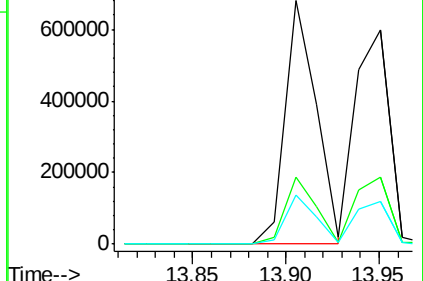
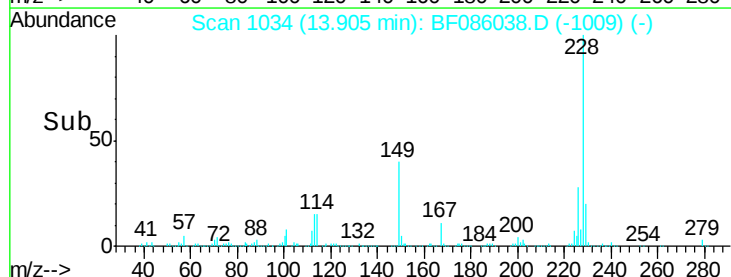
229 20.4 16.2 24.4



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

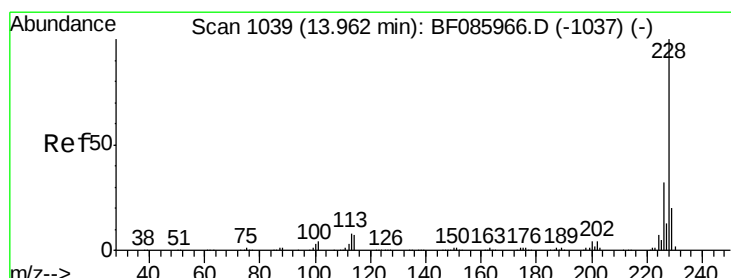
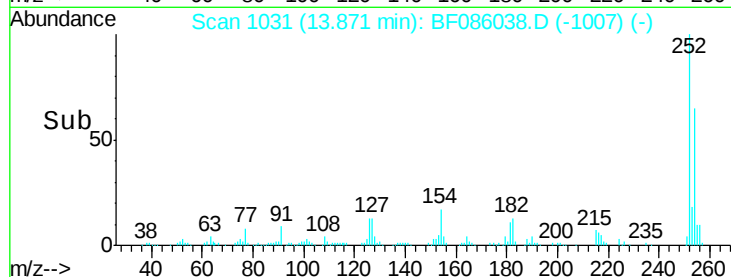
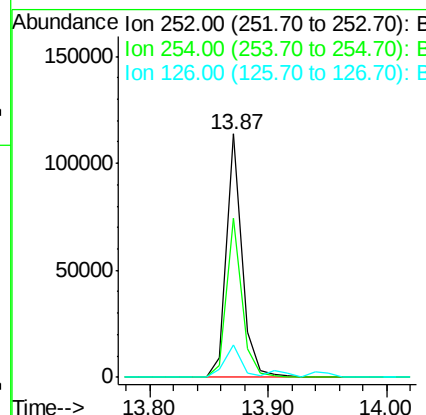
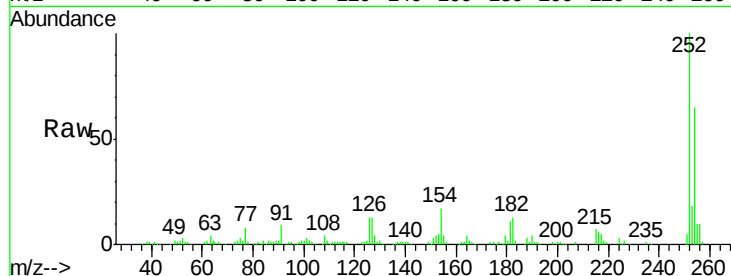




#81
 3,3'-Dichlorobenzidine
 Concen: 6.94 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

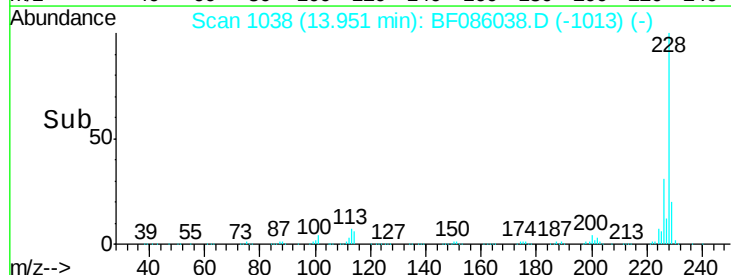
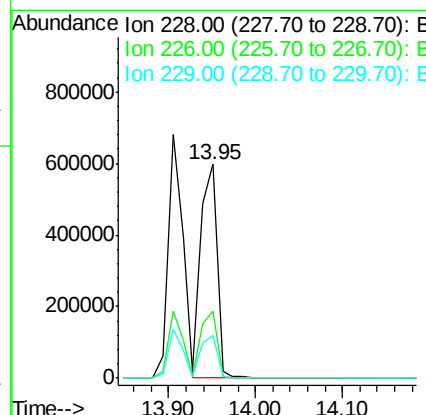
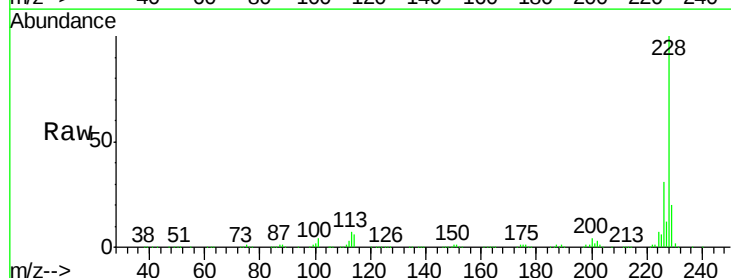
Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

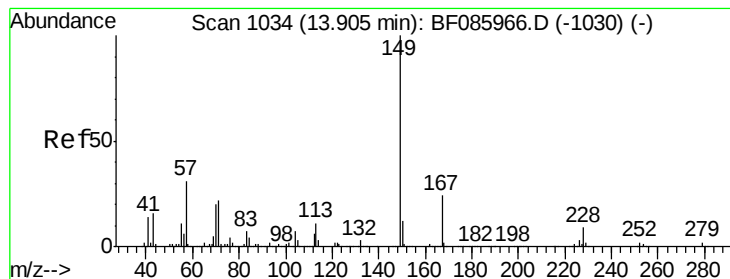
Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.2	50.7	76.1
126	13.4	11.8	17.6



#82
 Chrysene
 Concen: 39.34 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	19.9	15.7	23.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.02 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

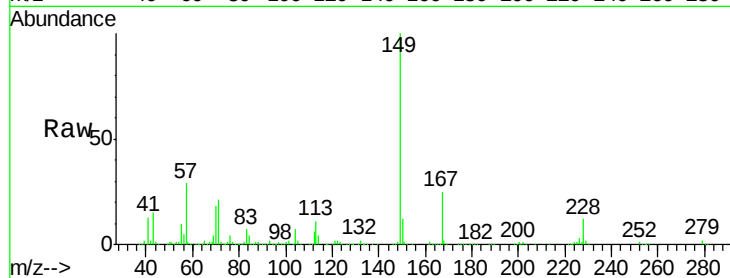
Tgt Ion:149 Resp: 565118

Ion Ratio Lower Upper

149 100

167 24.7 19.4 29.2

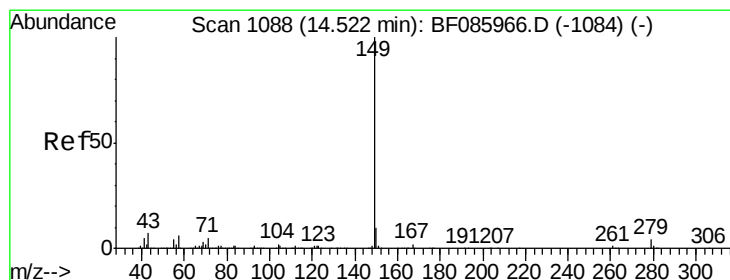
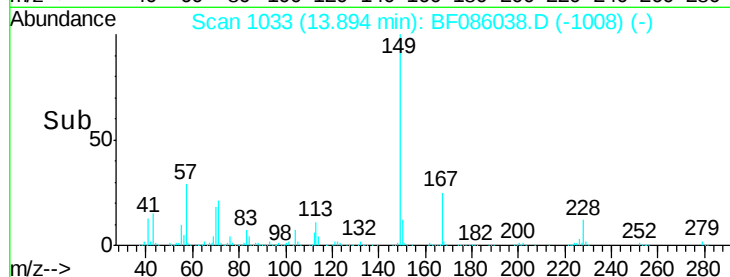
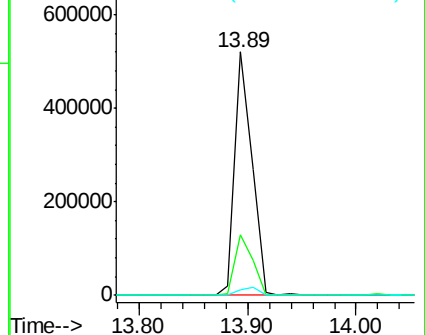
279 2.0 1.5 2.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44.66 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

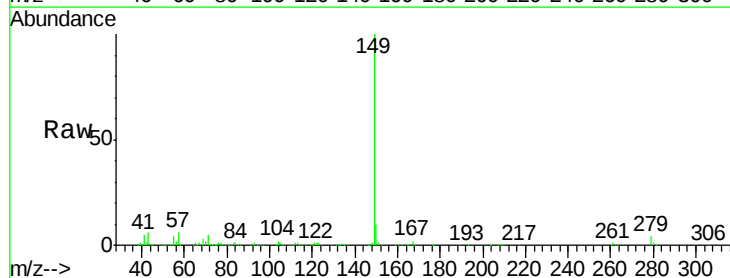
Tgt Ion:149 Resp: 1032868

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

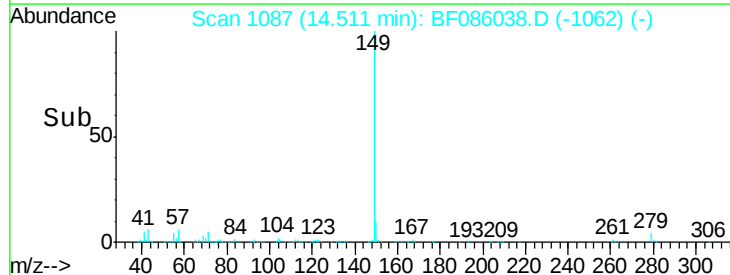
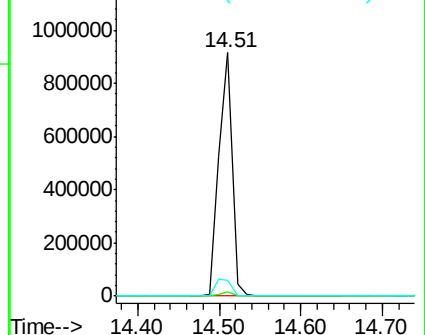
43 8.3 7.1 10.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

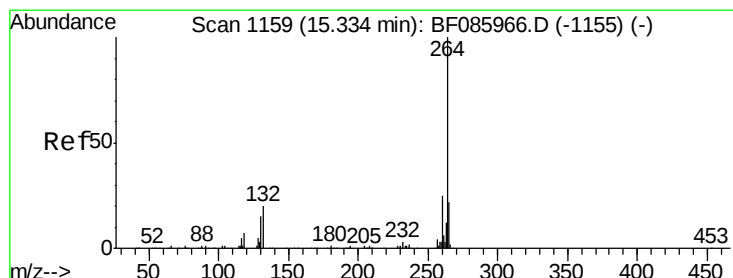
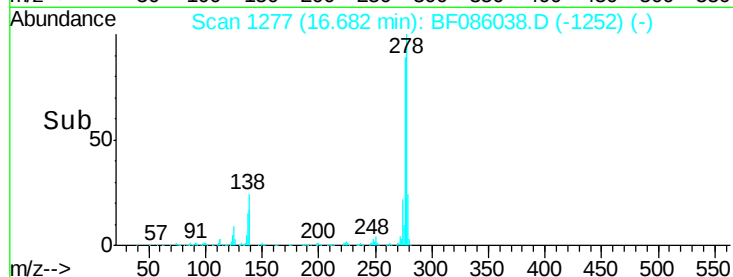
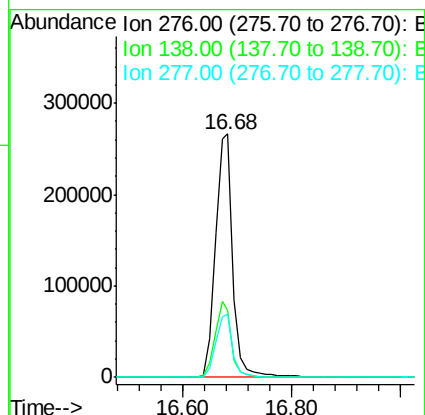
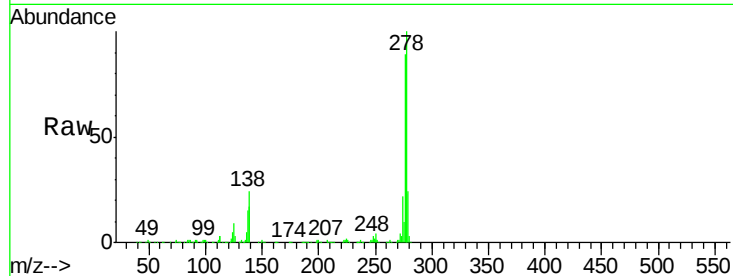




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.87 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

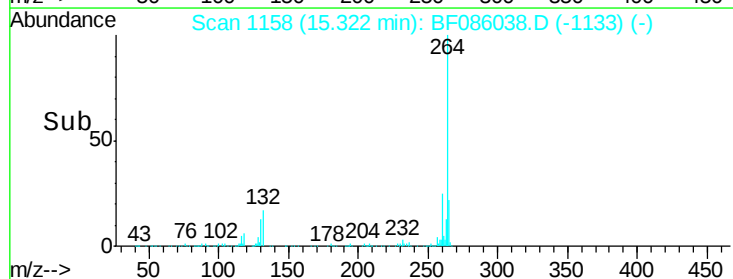
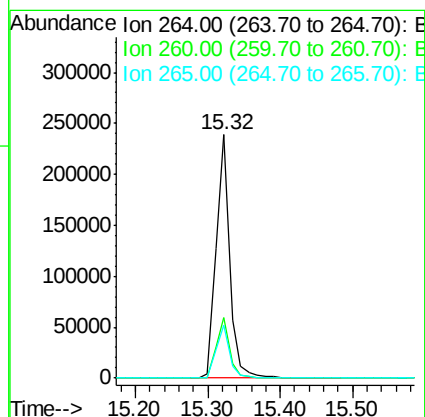
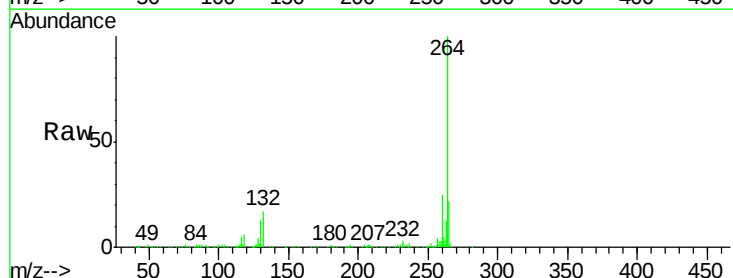
Instrument :
 BNA_F
 ClientSampleId :
 PB89407BS

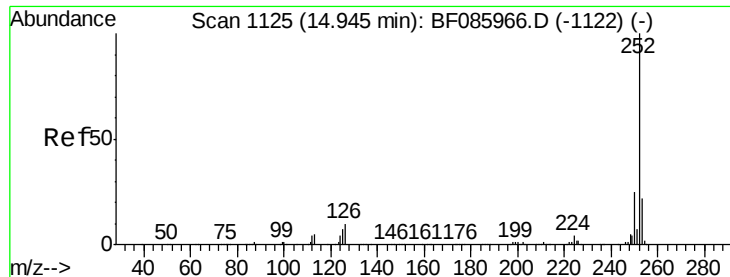
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	24.2	36.4
277	25.3	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF086038.D
 Acq: 4 Apr 2016 15:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 75.42 ng

RT: 14.96 min Scan# 1126

Delta R.T. 0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

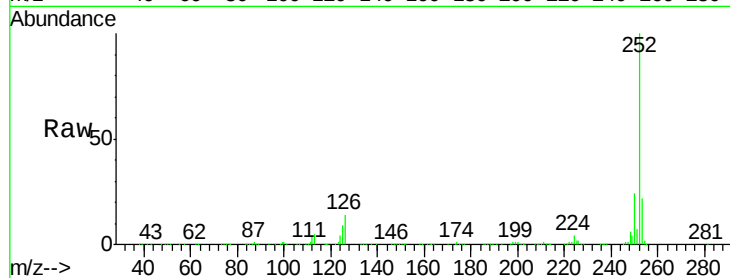
Tgt Ion:252 Resp: 1473984

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

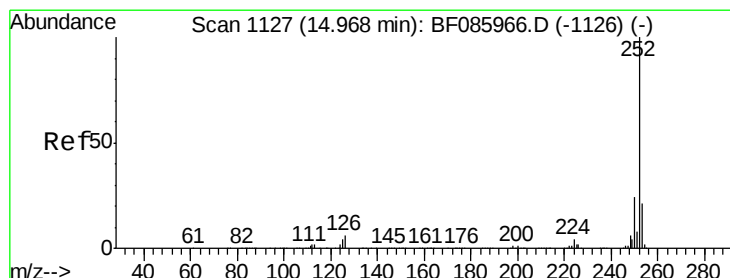
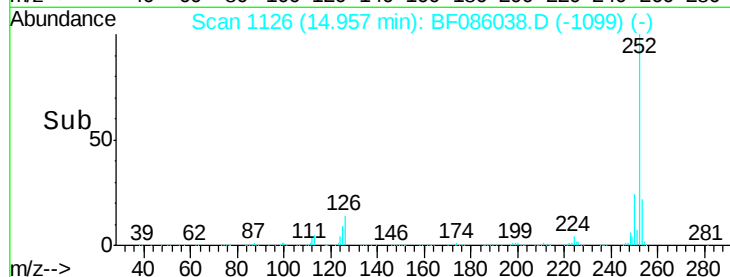
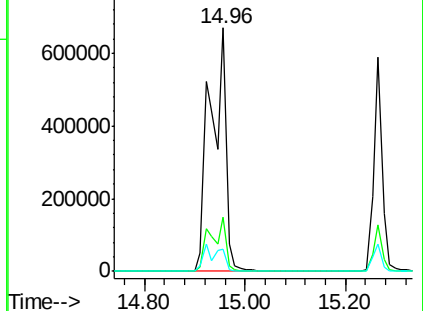
125 9.2 10.3 15.5#



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



#88

Benzo(k)fluoranthene

Concen: 85.20 ng

RT: 14.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

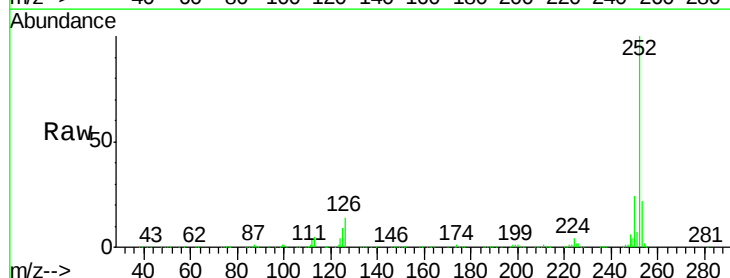
Tgt Ion:252 Resp: 1474624

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

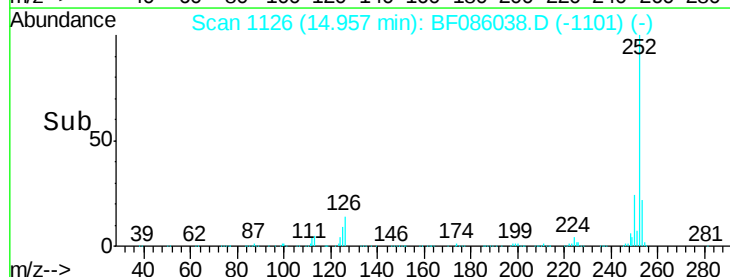
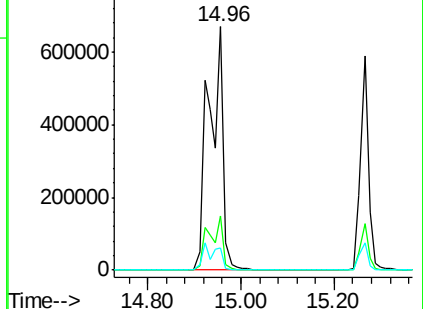
125 9.2 7.7 11.5

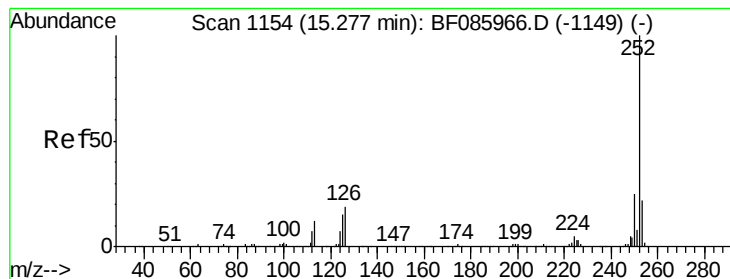


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.69 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

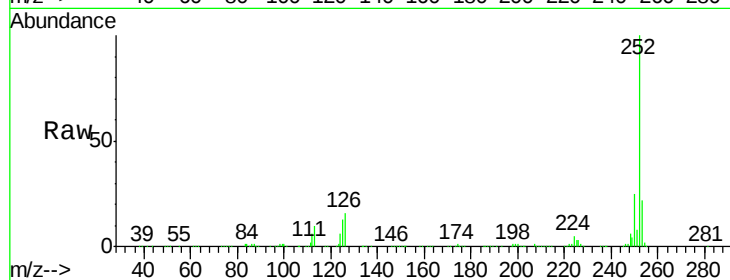
Tgt Ion: 252 Resp: 687344

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

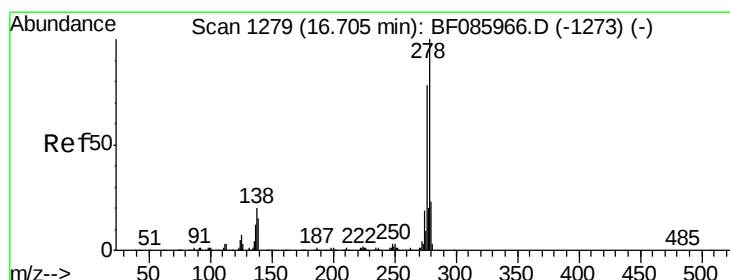
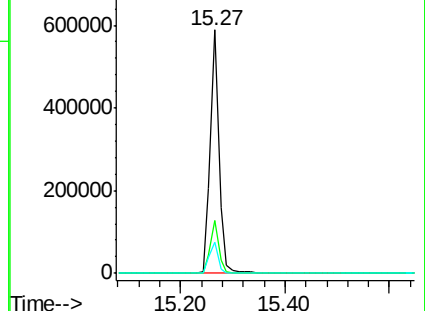
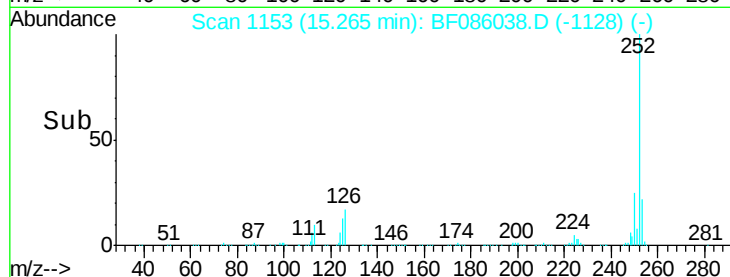
125 12.6 10.3 15.5



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: 36.55 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

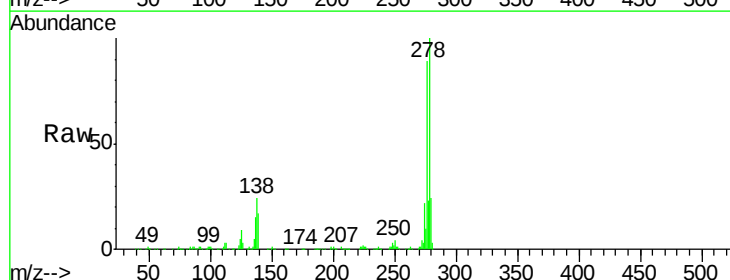
Tgt Ion: 278 Resp: 509285

Ion Ratio Lower Upper

278 100

139 17.3 14.4 21.6

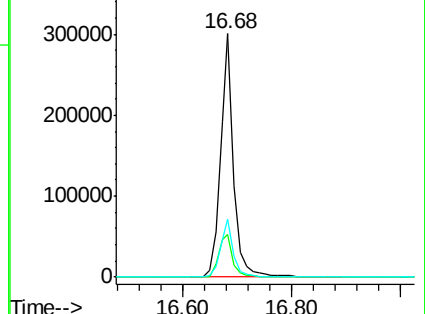
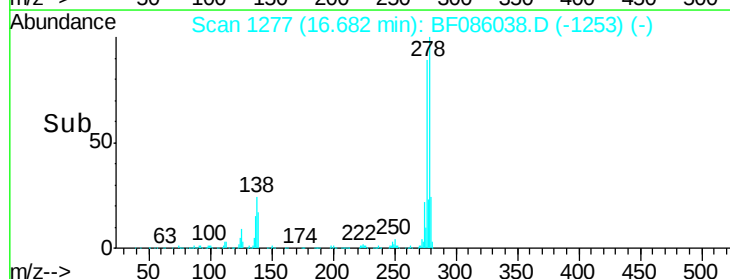
279 23.6 19.1 28.7

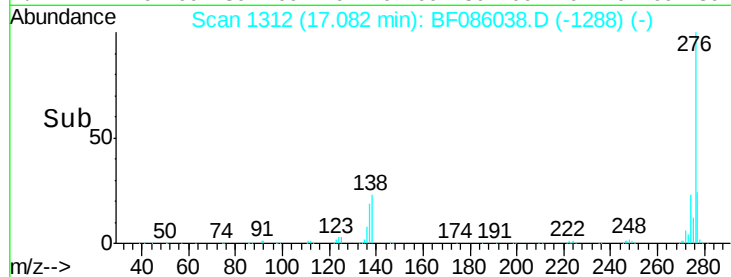
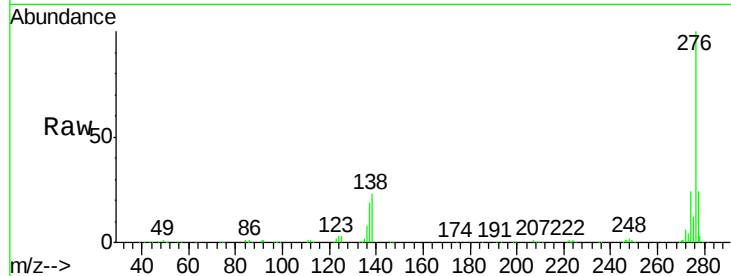
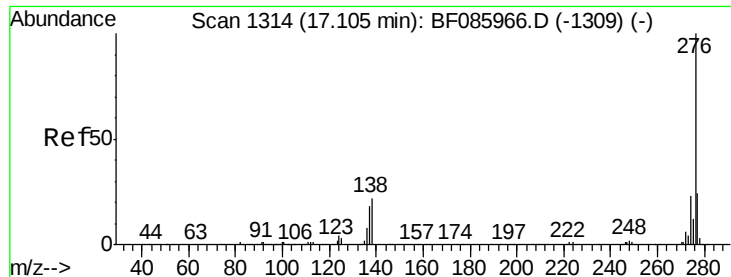


Abundance Ion 278.00 (277.70 to 278.70): E

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: 35.18 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF086038.D

Acq: 4 Apr 2016 15:03

Instrument :

BNA_F

ClientSampleId :

PB89407BS

Tgt Ion: 276 Resp: 474278

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 22.7 22.6 34.0

