

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086229.D
 Acq On : 15 Apr 2016 21:13
 Operator : UM/SJ
 Sample : H2402-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Quant Time: Apr 16 00:28:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	298325	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1177860	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	535314	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	933251	20.00	ng	0.01
75) Chrysene-d12	14.05	240	474675	20.00	ng	0.00
86) Perylene-d12	15.48	264	479697	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1236322	67.90	ng	0.01
7) Phenol-d6	6.51	99	985219	43.26	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1975721	96.75	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	480506	111.78	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2607514	89.88	ng	0.00
78) Terphenyl-d14	13.00	244	1754586	92.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	173875	17.32	ng	97
3) Pyridine	3.30	79	430170	16.43	ng	96
4) n-Nitrosodimethylamine	3.22	42	192312	20.33	ng	# 68
6) Aniline	6.56	93	944396	28.77	ng	97
8) 2-Chlorophenol	6.68	128	775845	37.67	ng	# 79
9) Benzaldehyde	6.44	77	312377	19.33	ng	94
10) Phenol	6.53	94	419245	15.46	ng	85
11) bis(2-Chloroethyl)ether	6.62	93	897029	43.96	ng	# 82
12) 1,3-Dichlorobenzene	6.83	146	920774	42.13	ng	99
13) 1,4-Dichlorobenzene	6.91	146	874189	41.99	ng	99
14) 1,2-Dichlorobenzene	7.07	146	839131	45.41	ng	98
15) Benzyl Alcohol	7.04	79	580375	35.92	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1514470	47.64	ng	99
17) 2-Methylphenol	7.15	107	613570	35.75	ng	93
18) Hexachloroethane	7.41	117	345218	43.96	ng	96
19) n-Nitroso-di-n-propylamine	7.31	70	660165	45.29	ng	# 82
20) 3+4-Methylphenols	7.30	107	504504	26.24	ng	# 82
22) Acetophenone	7.31	105	1209330	58.74	ng	# 99
24) Nitrobenzene	7.48	77	1105023	49.49	ng	98
25) Isophorone	7.72	82	1946405	48.03	ng	99
26) 2-Nitrophenol	7.80	139	515353	52.94	ng	# 67
27) 2,4-Dimethylphenol	7.84	122	873239	44.42	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	1255887	52.72	ng	98
29) 2,4-Dichlorophenol	8.03	162	713270	47.72	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	705173	45.08	ng	99
31) Naphthalene	8.20	128	2384397	45.33	ng	99
32) Benzoic acid	7.92	122	222185	17.68	ng	94
33) 4-Chloroaniline	8.25	127	780143	33.18	ng	99
34) Hexachlorobutadiene	8.33	225	355690	45.38	ng	98
35) Caprolactam	8.67	113	42103	7.78	ng	# 80
36) 4-Chloro-3-methylphenol	8.73	107	798905	46.12	ng	95
37) 2-Methylnaphthalene	8.90	142	1700039	49.99	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	507234	44.84	ng	98
40) Hexachlorocyclopentadiene	9.05	237	584100	92.56	ng	99

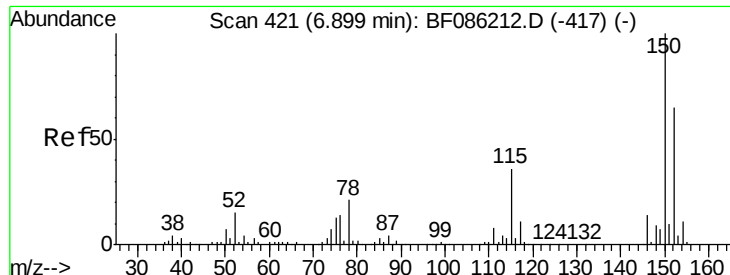
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	506269	48.01	ng	99
43) 2,4,5-Trichlorophenol	9.21	196	474895	46.62	ng #	94
45) 1,1'-Biphenyl	9.36	154	1850896	48.03	ng	99
46) 2-Chloronaphthalene	9.39	162	1553621	49.38	ng	93
47) 2-Nitroaniline	9.47	65	572332	56.15	ng	97
48) Acenaphthylene	9.80	152	2384216	47.63	ng	99
49) Dimethylphthalate	9.66	163	1693432	43.51	ng	98
50) 2,6-Dinitrotoluene	9.72	165	421570	48.95	ng #	77
51) Acenaphthene	9.97	154	1620894	54.20	ng	100
52) 3-Nitroaniline	9.88	138	311078	29.72	ng	99
53) 2,4-Dinitrophenol	10.00	184	435642	133.58	ng #	72
54) Dibenzofuran	10.14	168	1951432	49.41	ng	93
55) 4-Nitrophenol	10.04	139	314894	38.46	ng #	61
56) 2,4-Dinitrotoluene	10.12	165	541971	49.16	ng #	72
57) Fluorene	10.49	166	1374819	51.48	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	379257	51.26	ng	97
59) Diethylphthalate	10.36	149	1822788	45.37	ng	98
60) 4-Chlorophenyl-phenylether	10.48	204	549594	50.12	ng	95
61) 4-Nitroaniline	10.50	138	394796	43.65	ng	92
62) Azobenzene	10.64	77	2002197	50.94	ng	96
64) 4,6-Dinitro-2-methylphenol	10.53	198	286527	64.51	ng #	45
65) n-Nitrosodiphenylamine	10.60	169	1433546	50.16	ng	100
66) 4-Bromophenyl-phenylether	10.97	248	393274	45.22	ng #	86
67) Hexachlorobenzene	11.04	284	463454	50.85	ng #	74
68) Atrazine	11.13	200	372875	42.57	ng	99
69) Pentachlorophenol	11.22	266	483770	87.53	ng	97
70) Phenanthrene	11.45	178	2204061	49.45	ng	99
71) Anthracene	11.49	178	2107867	56.14	ng	100
72) Carbazole	11.65	167	2197401	51.84	ng	98
73) Di-n-butylphthalate	11.98	149	2417133	42.17	ng	99
74) Fluoranthene	12.62	202	2028604	54.00	ng	98
76) Benzidine	12.75	184	84539	4.59	ng	99
77) Pyrene	12.85	202	1961830	53.87	ng	99
79) Butylbenzylphthalate	13.48	149	982560	58.41	ng #	84
80) Benzo(a)anthracene	14.04	228	1278631	49.07	ng	100
81) 3,3'-Dichlorobenzidine	14.01	252	249984	16.55	ng #	98
82) Chrysene	14.08	228	1246557	44.87	ng	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	919139	50.60	ng #	98
84) Di-n-octyl phthalate	14.66	149	1984111	56.67	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	1700229	74.45	ng	96
87) Benzo(b)fluoranthene	15.11	252	2605768	88.05	ng	99
88) Benzo(k)fluoranthene	15.11	252	2606632	96.60	ng #	96
89) Benzo(a)pyrene	15.43	252	1317528	51.39	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	1379055	60.87	ng #	95
91) Benzo(g,h,i)perylene	17.33	276	1521077	63.14	ng #	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

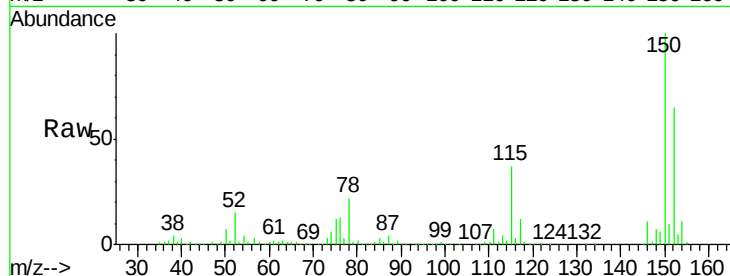
Tgt Ion: 152 Resp: 298325

Ion Ratio Lower Upper

152 100

150 154.5 124.1 186.1

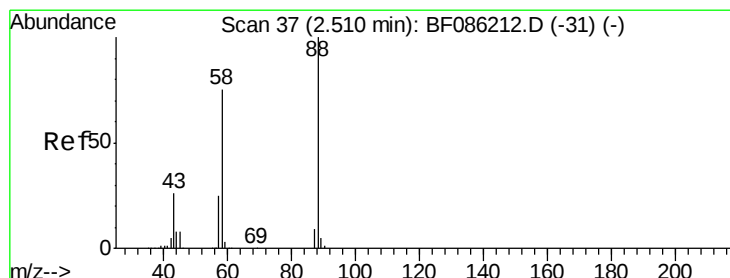
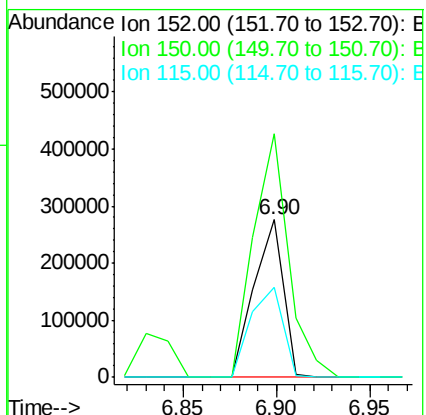
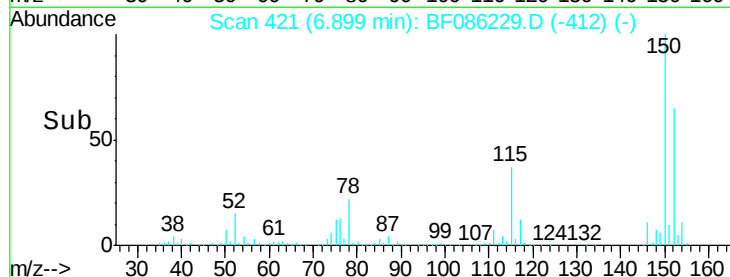
115 57.2 43.9 65.9



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: 17.32 ng

RT: 2.56 min Scan# 41

Delta R.T. 0.05 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

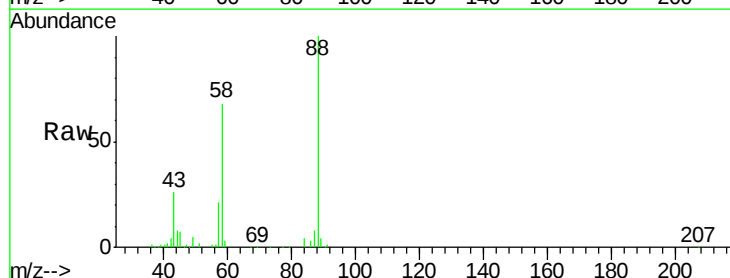
Tgt Ion: 88 Resp: 173875

Ion Ratio Lower Upper

88 100

58 71.3 58.4 87.6

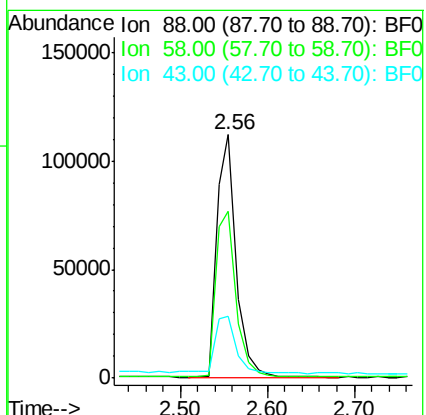
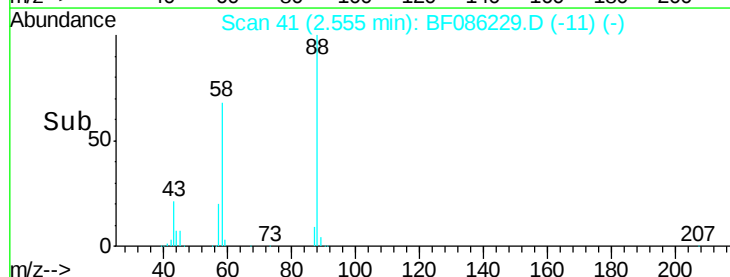
43 25.8 23.3 34.9

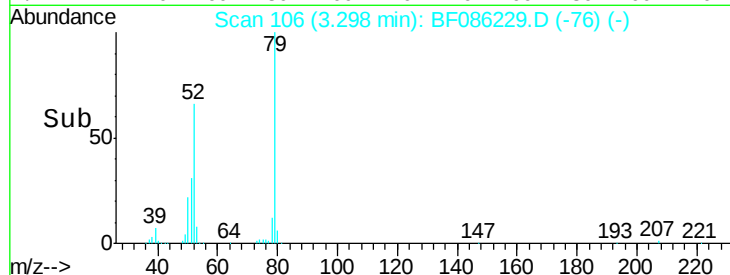
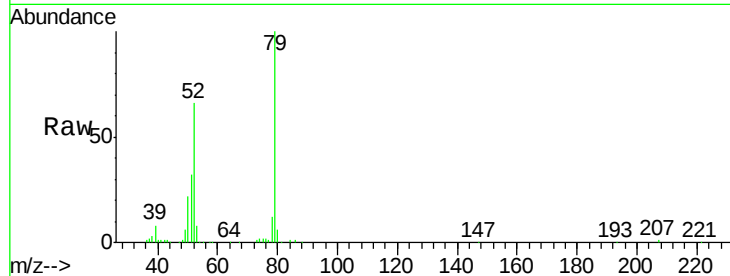
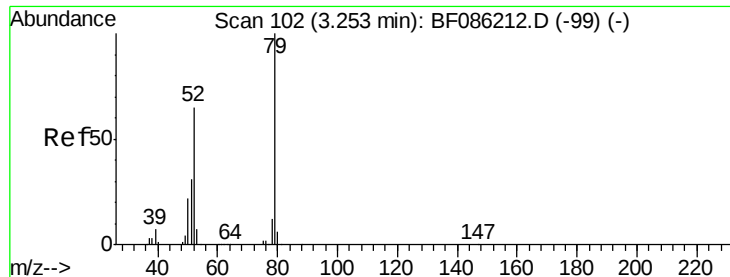


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

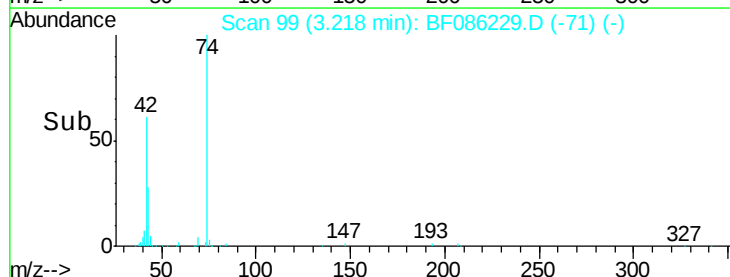
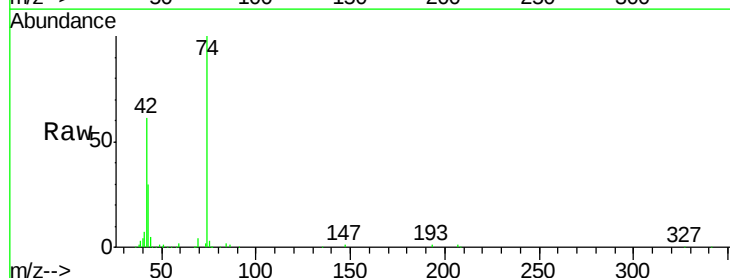
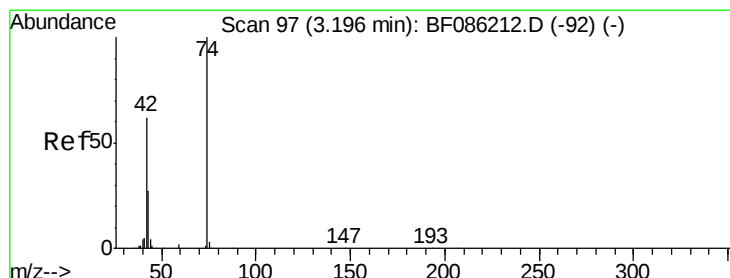
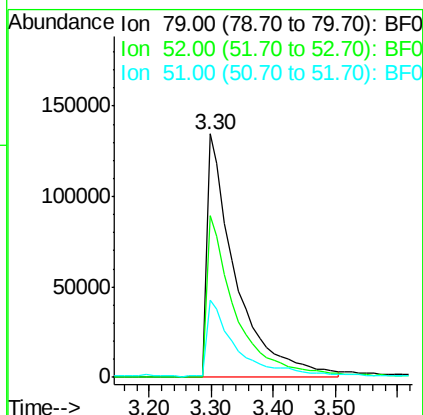




#3
 Pyridine
 Concen: 16.43 ng
 RT: 3.30 min Scan# 106
 Delta R.T. 0.05 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

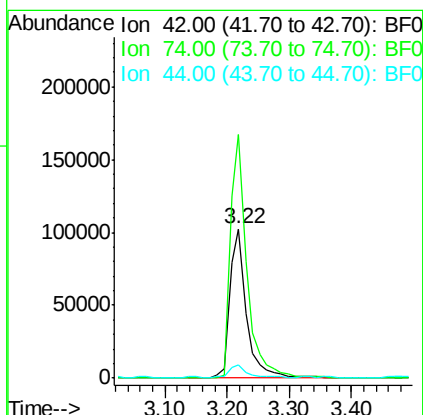
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

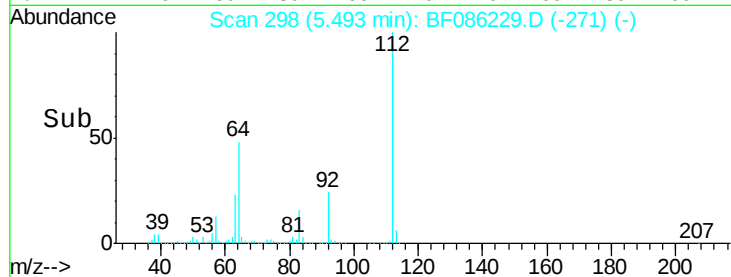
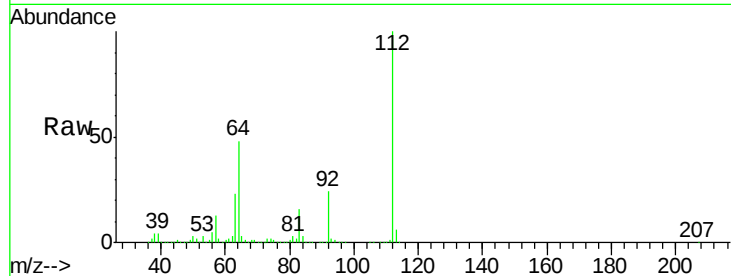
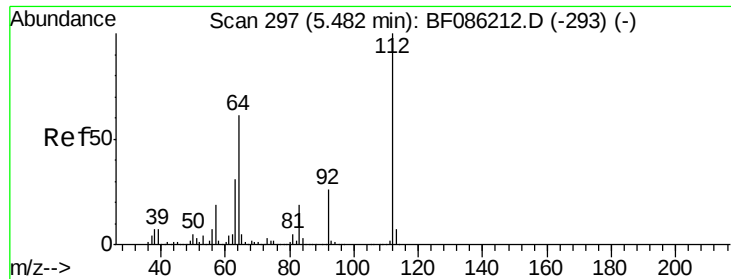
Tgt Ion: 79 Resp: 430170
 Ion Ratio Lower Upper
 79 100
 52 66.3 55.4 83.2
 51 31.6 28.1 42.1



#4
 n-Nitrosodimethylamine
 Concen: 20.33 ng
 RT: 3.22 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion: 42 Resp: 192312
 Ion Ratio Lower Upper
 42 100
 74 163.3 100.5 150.7#
 44 8.5 5.4 8.0#





#5

2-Fluorophenol

Concen: 67.90 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

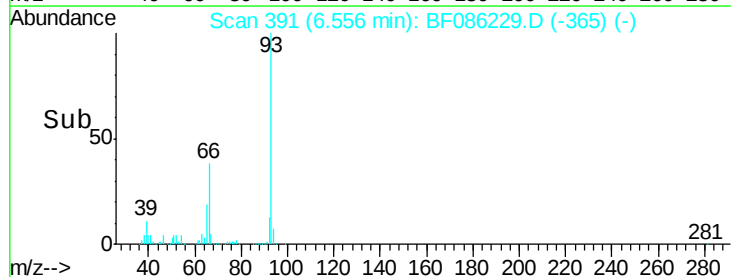
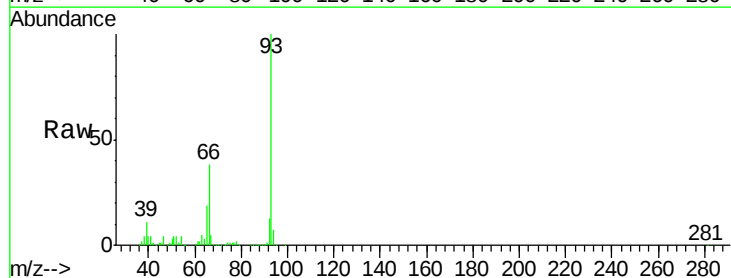
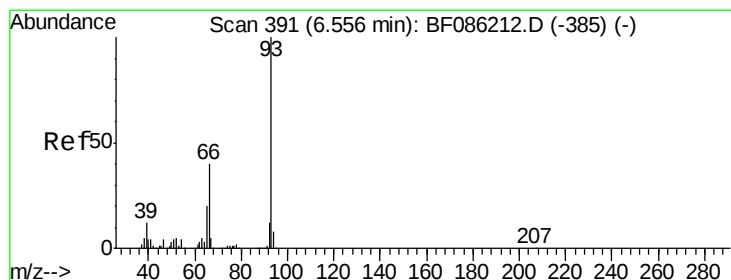
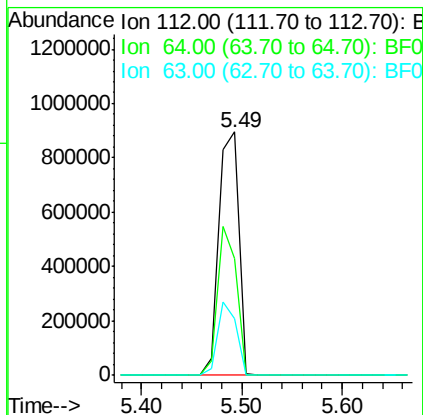
Tgt Ion: 112 Resp: 1236322

Ion Ratio Lower Upper

112 100

64 47.9 48.1 72.1#

63 23.2 25.5 38.3#



#6

Aniline

Concen: 28.77 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

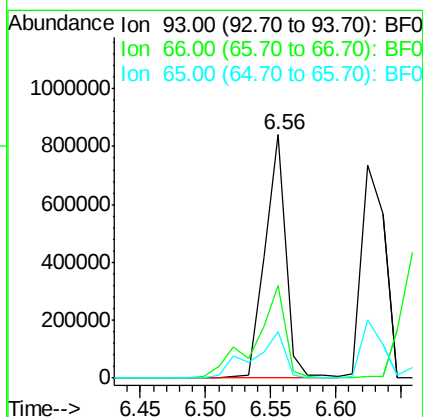
Tgt Ion: 93 Resp: 944396

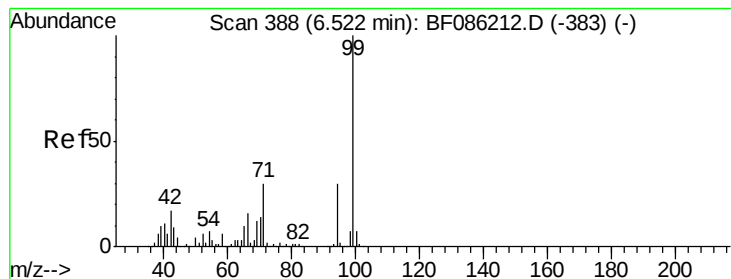
Ion Ratio Lower Upper

93 100

66 38.0 32.2 48.2

65 19.1 16.4 24.6





#7

Phenol-d6

Concen: 43.26 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

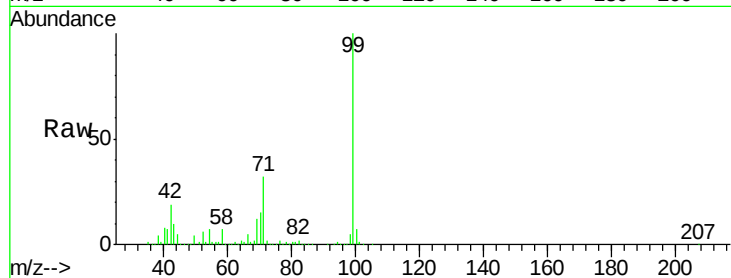
Tgt Ion: 99 Resp: 985219

Ion Ratio Lower Upper

99 100

42 19.4 15.4 23.2

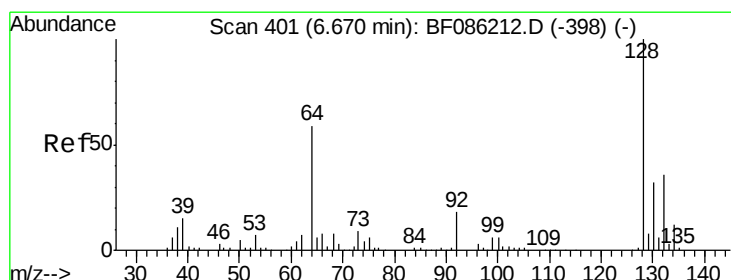
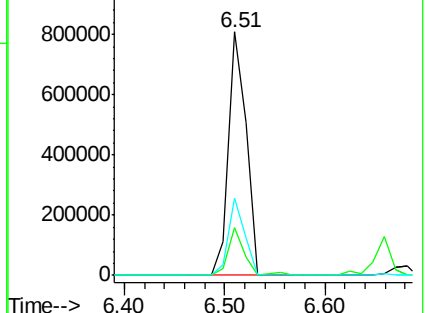
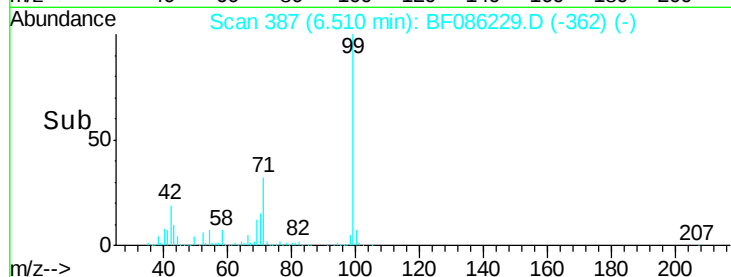
71 31.8 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 37.67 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

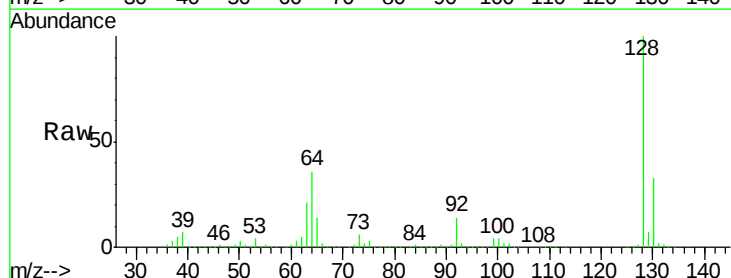
Tgt Ion: 128 Resp: 775845

Ion Ratio Lower Upper

128 100

130 33.2 11.8 51.8

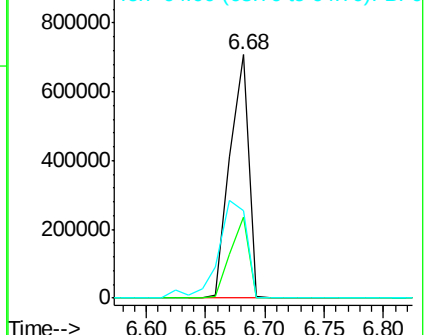
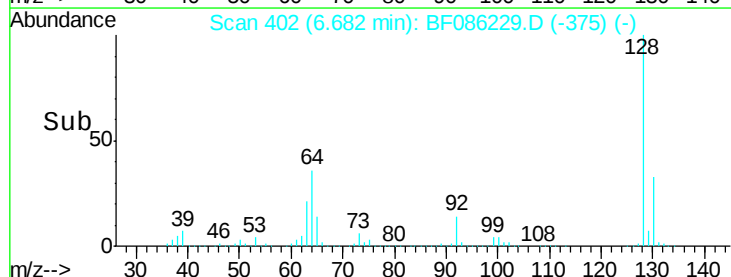
64 35.7 39.5 79.5#

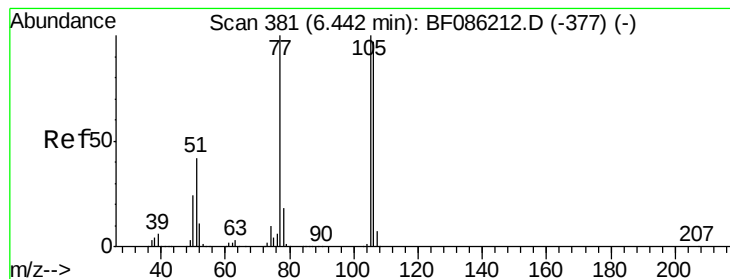


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 19.33 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

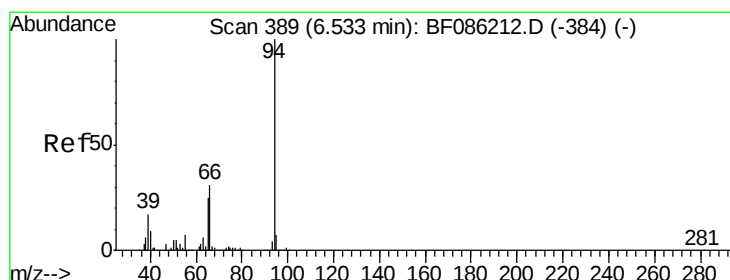
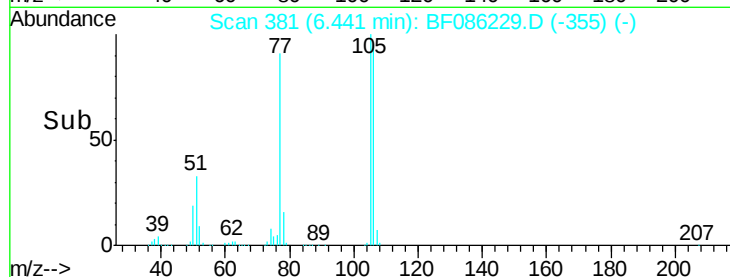
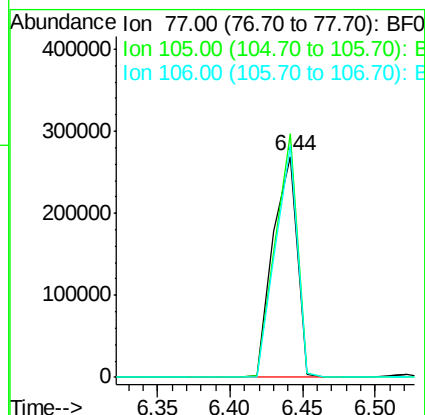
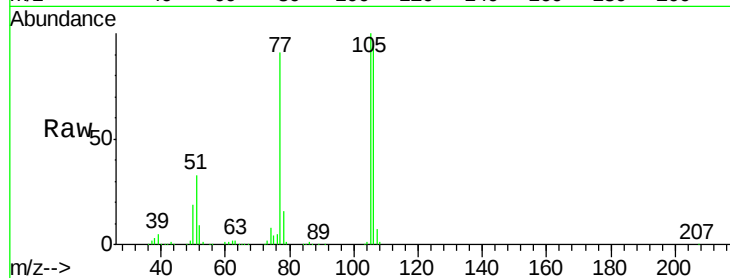
Tgt Ion: 77 Resp: 312377

Ion Ratio Lower Upper

77 100

105 110.2 84.6 124.6

106 104.9 78.6 118.6



#10

Phenol

Concen: 15.46 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

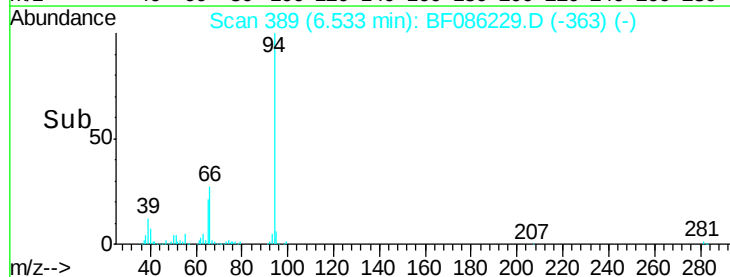
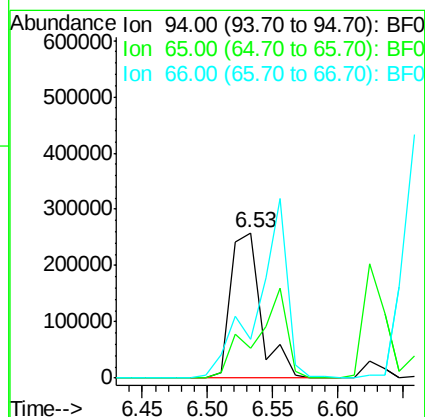
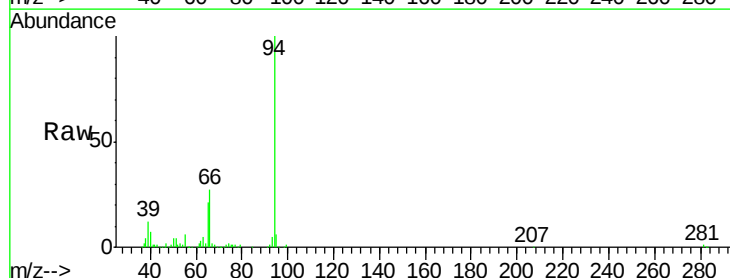
Tgt Ion: 94 Resp: 419245

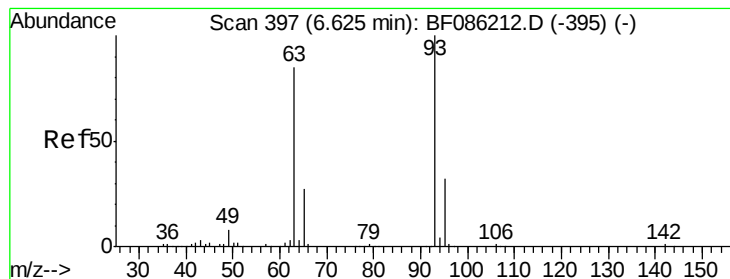
Ion Ratio Lower Upper

94 100

65 20.6 7.9 47.9

66 26.6 16.5 56.5





#11

bis(2-Chloroethyl)ether

Concen: 43.96 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

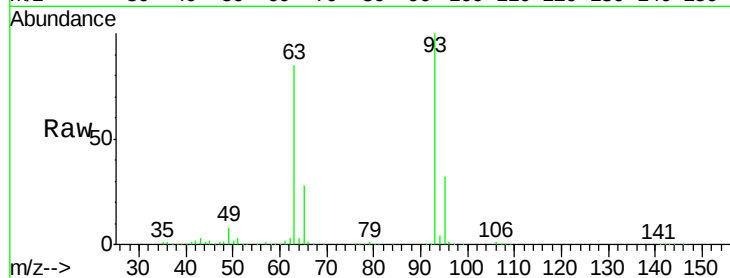
Tgt Ion: 93 Resp: 897029

Ion Ratio Lower Upper

93 100

63 84.8 44.4 84.4#

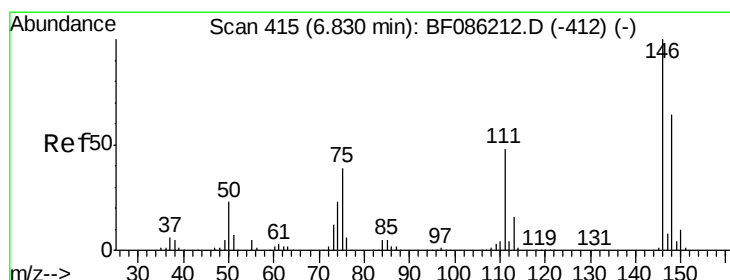
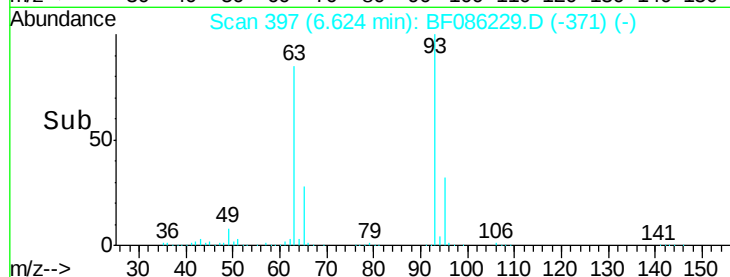
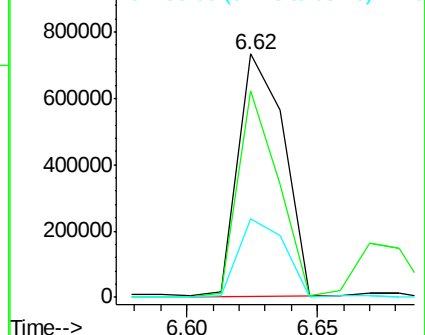
95 32.1 13.1 53.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 42.13 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

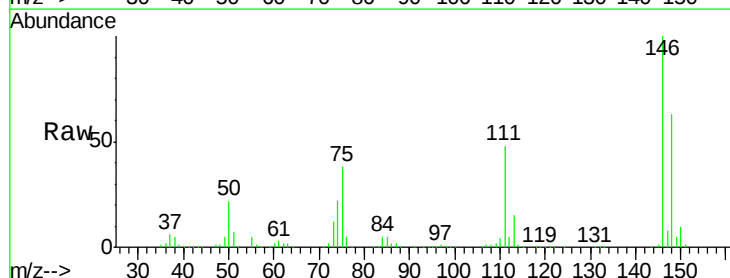
Tgt Ion: 146 Resp: 920774

Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.4

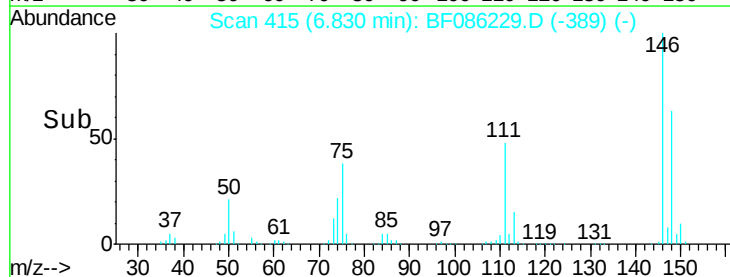
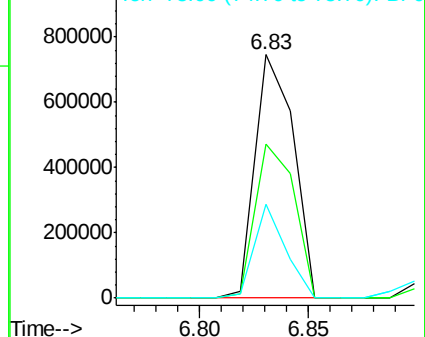
75 38.3 29.9 44.9

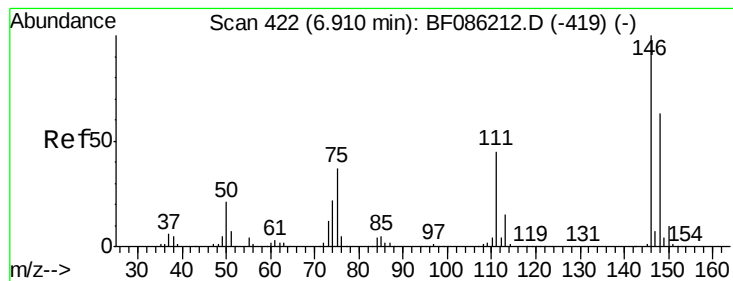


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 41.99 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

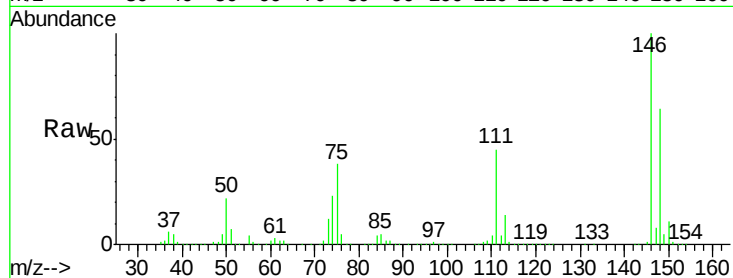
Tgt Ion:146 Resp: 874189

Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.6

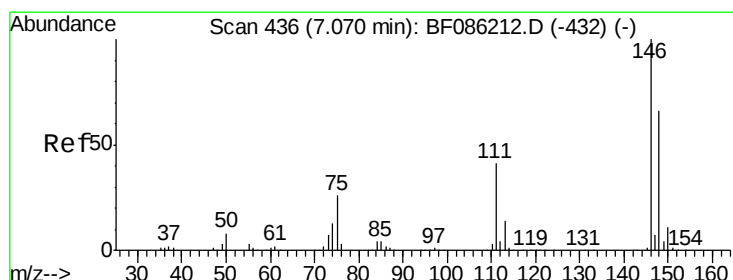
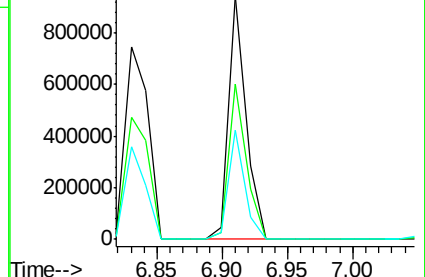
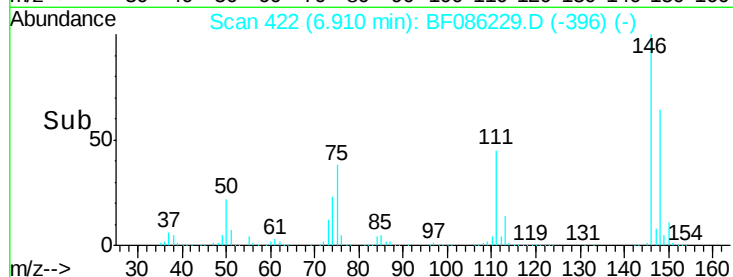
111 45.0 34.9 52.3



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: 45.41 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

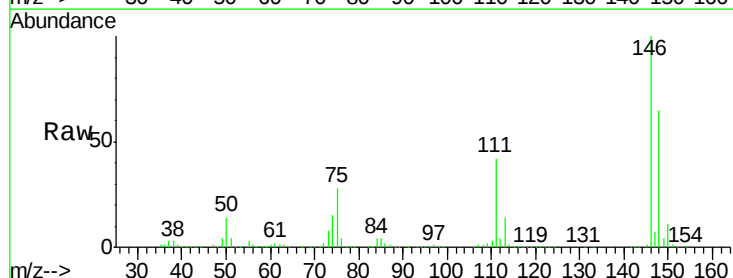
Tgt Ion:146 Resp: 839131

Ion Ratio Lower Upper

146 100

148 64.7 52.2 78.2

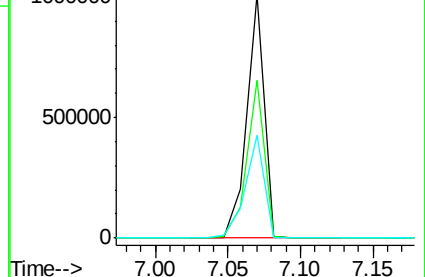
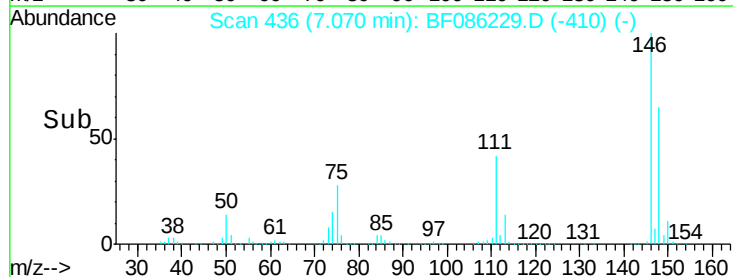
111 42.1 31.0 46.4

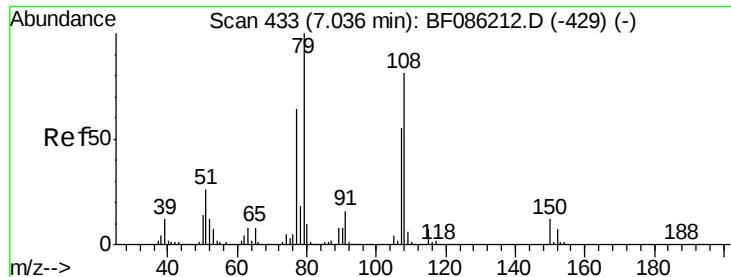


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 35.92 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

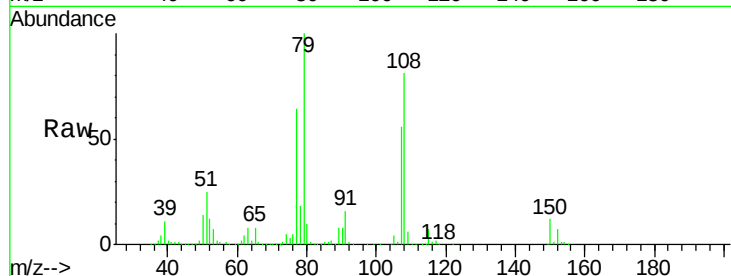
Tgt Ion: 79 Resp: 580375

Ion Ratio Lower Upper

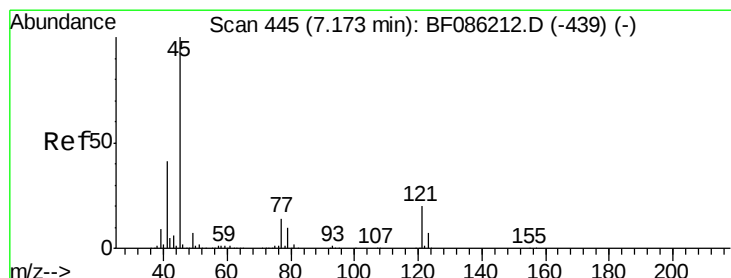
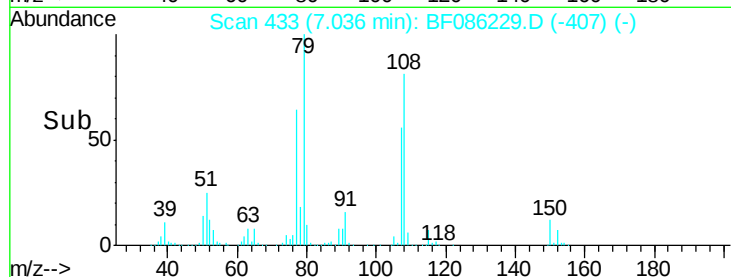
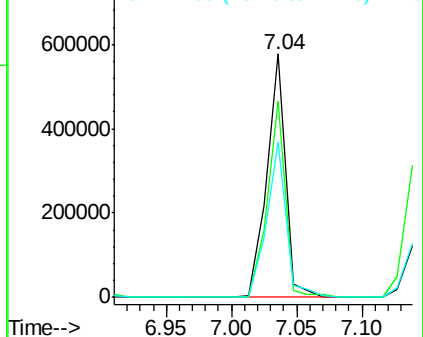
79 100

108 80.7 64.8 97.2

77 63.6 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.64 ng

RT: 7.17 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

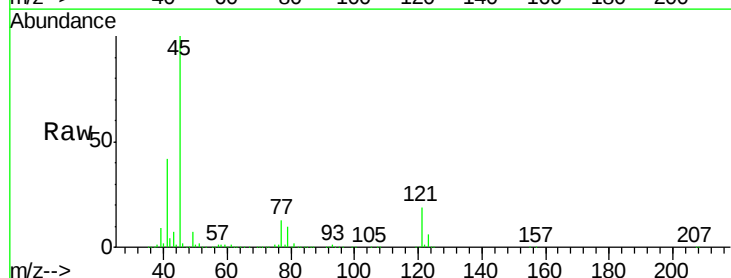
Tgt Ion: 45 Resp: 1514470

Ion Ratio Lower Upper

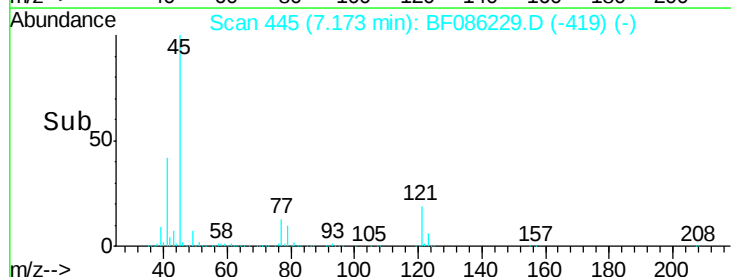
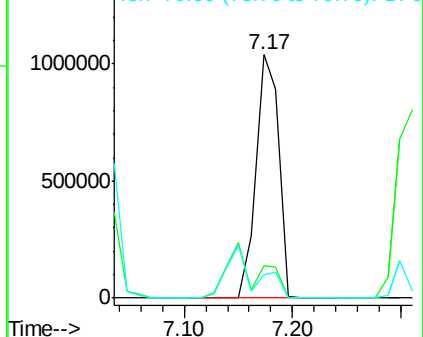
45 100

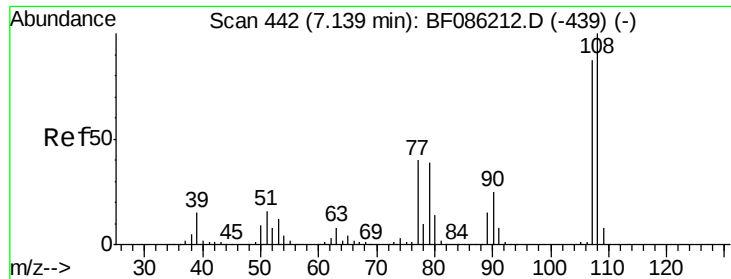
77 13.4 0.0 33.7

79 9.9 0.0 30.1



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

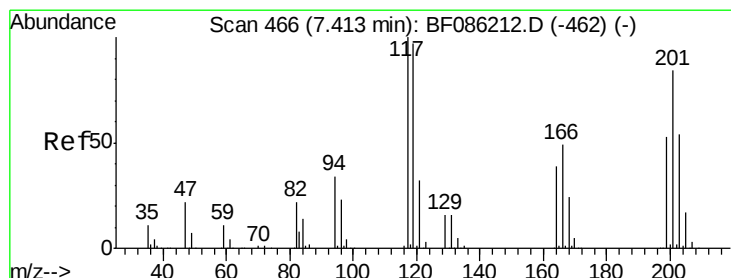
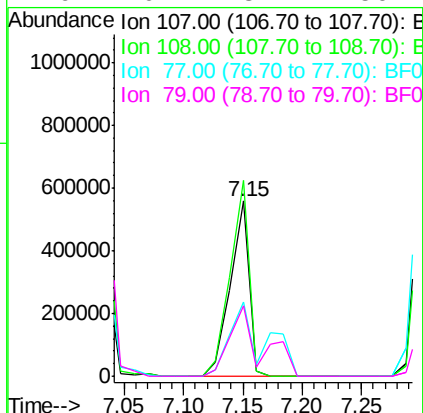
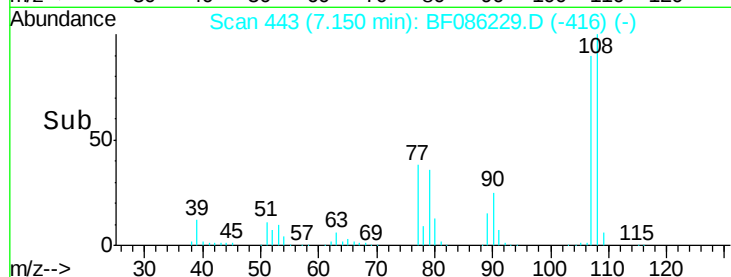
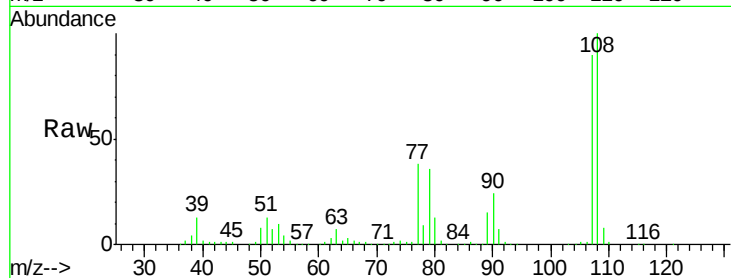




#17
2-Methylphenol
Concen: 35.75 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

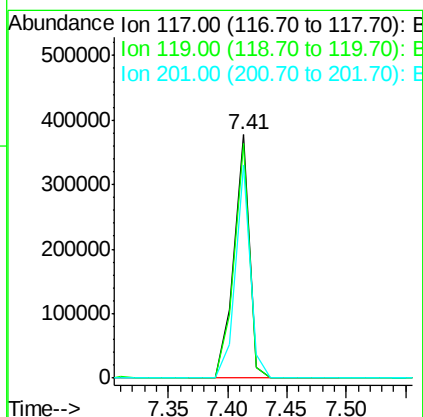
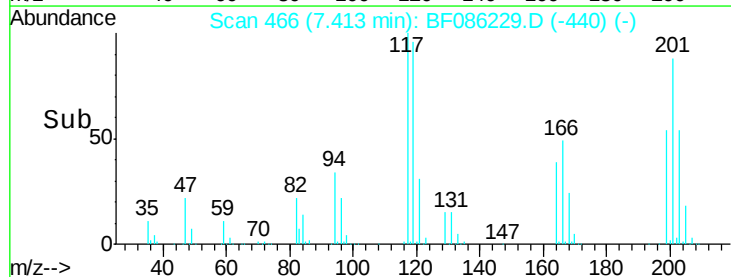
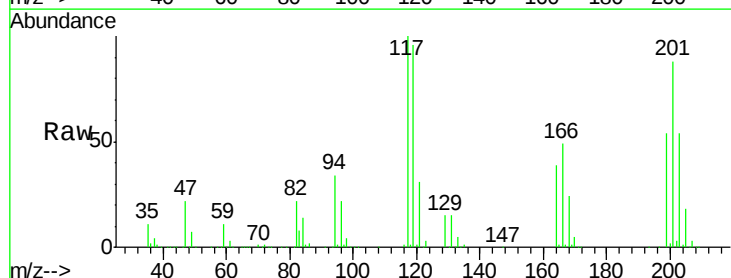
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

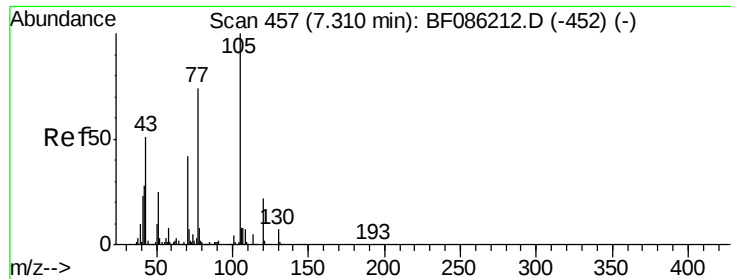
Tgt Ion:107 Resp: 613570
Ion Ratio Lower Upper
107 100
108 111.7 92.7 139.1
77 42.4 39.6 59.4
79 40.4 37.4 56.2



#18
Hexachloroethane
Concen: 43.96 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:117 Resp: 345218
Ion Ratio Lower Upper
117 100
119 96.3 78.2 117.4
201 87.5 75.7 113.5

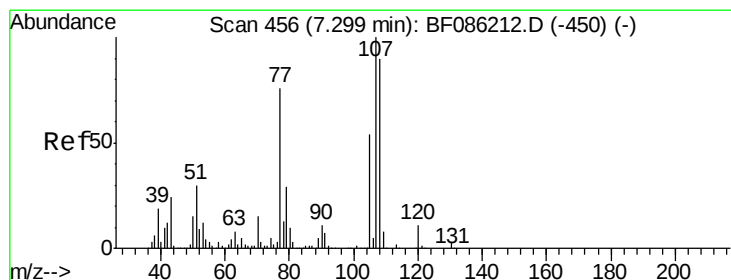
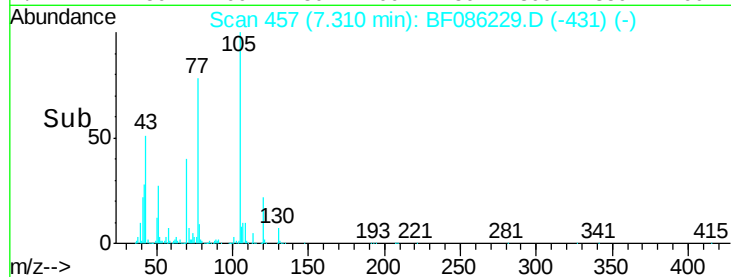
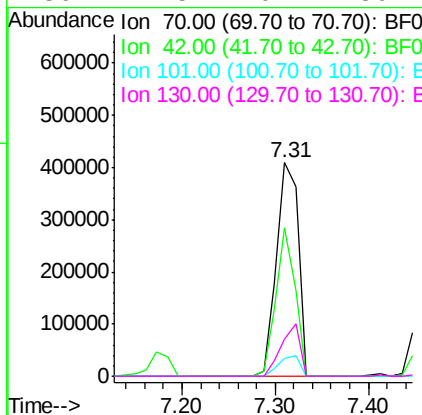
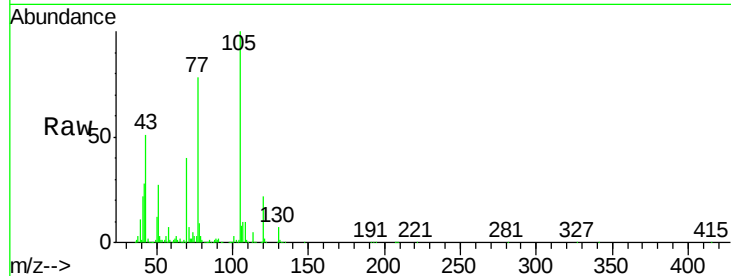




#19
n-Nitroso-di-n-propylamine
Concen: 45.29 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

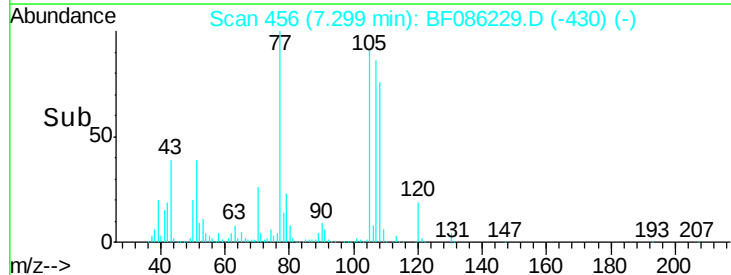
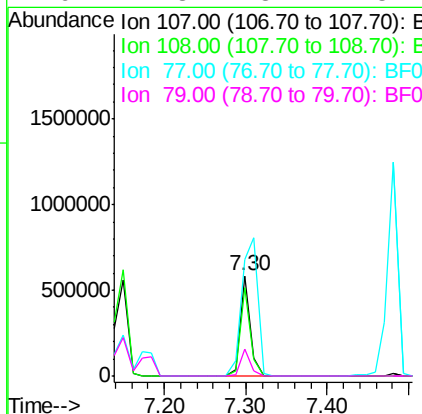
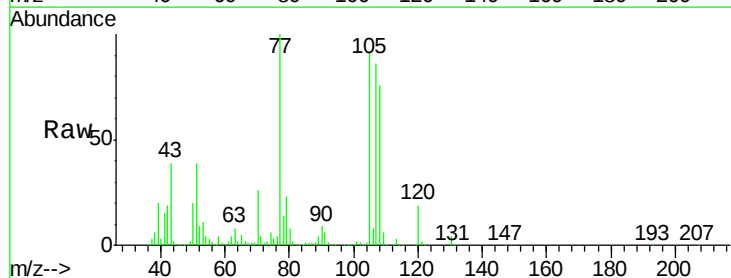
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

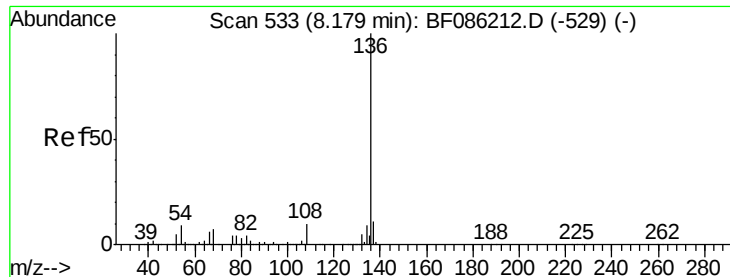
Tgt Ion: 70 Resp: 660165
Ion Ratio Lower Upper
70 100
42 69.6 43.0 64.4#
101 8.5 8.1 12.1
130 17.5 20.1 30.1#



#20
3+4-Methylphenols
Concen: 26.24 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion: 107 Resp: 504504
Ion Ratio Lower Upper
107 100
108 88.0 69.7 109.7
77 116.5 60.5 100.5#
79 27.3 8.1 48.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tgt Ion:136 Resp: 1177860

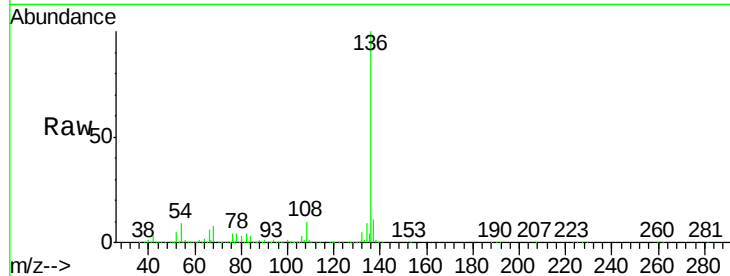
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.3 7.3 10.9

68 7.5 5.7 8.5

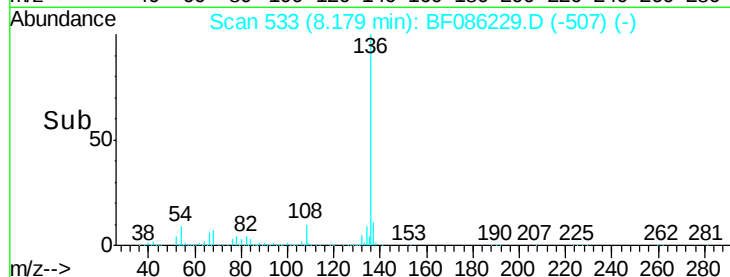


Abundance Ion 136.00 (135.70 to 136.70): E

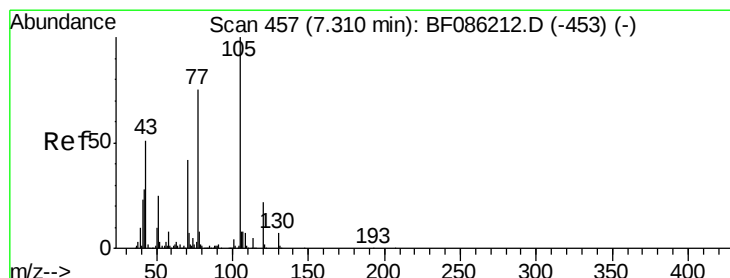
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.10 8.15 8.20 8.25



#22

Acetophenone

Concen: 58.74 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:105 Resp: 1209330

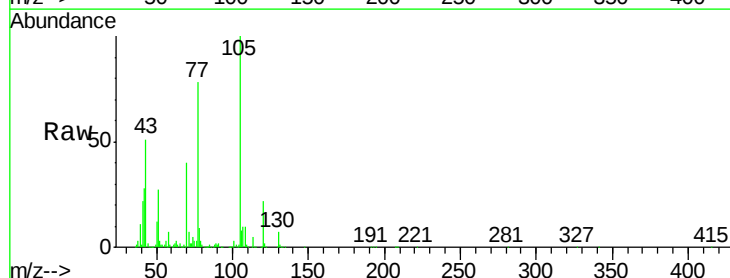
Ion Ratio Lower Upper

105 100

71 6.8 4.0 6.0#

51 27.2 22.0 33.0

120 22.1 17.5 26.3

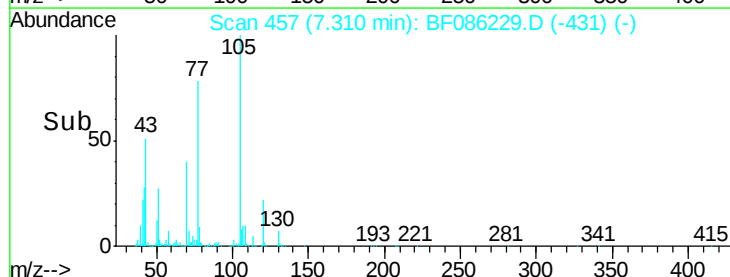


Abundance Ion 105.00 (104.70 to 105.70): E

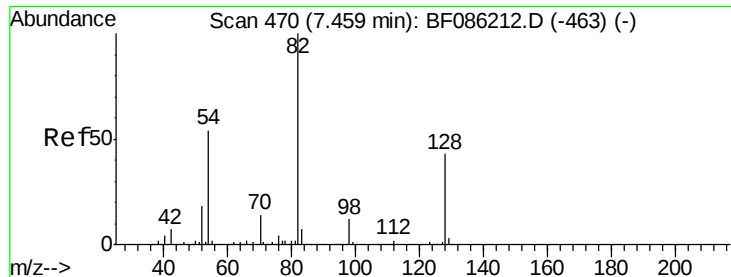
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time--> 7.20 7.30 7.40



#23

Nitrobenzene-d5

Concen: 96.75 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

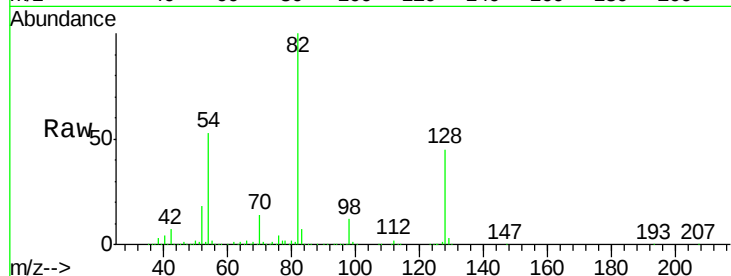
Tgt Ion: 82 Resp: 1975721

Ion Ratio Lower Upper

82 100

128 44.6 35.4 53.2

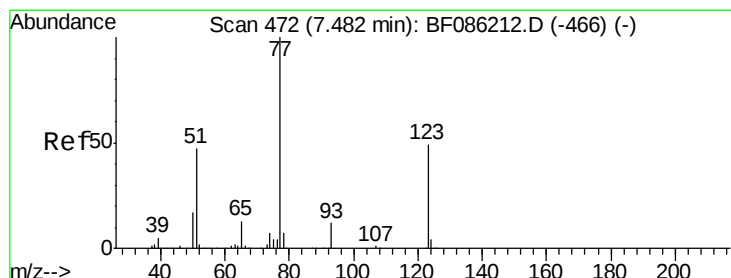
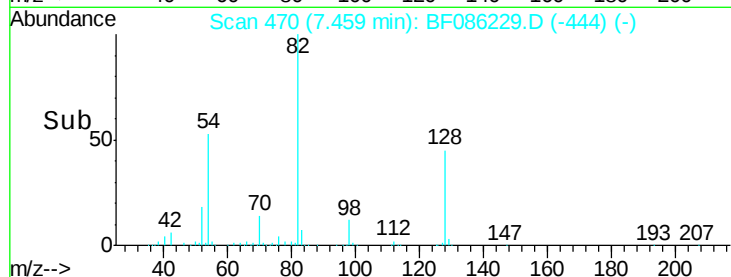
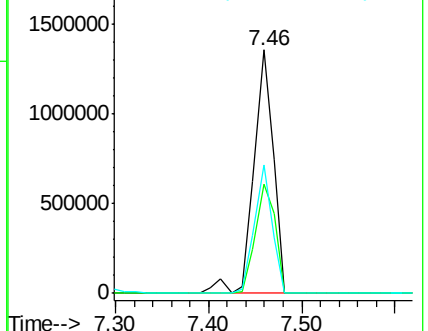
54 52.9 43.4 65.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 49.49 ng

RT: 7.48 min Scan# 472

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

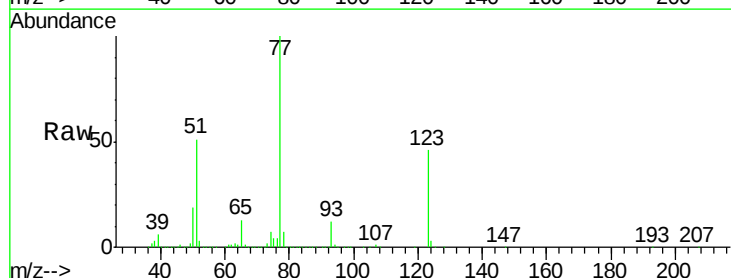
Tgt Ion: 77 Resp: 1105023

Ion Ratio Lower Upper

77 100

123 46.3 38.3 57.5

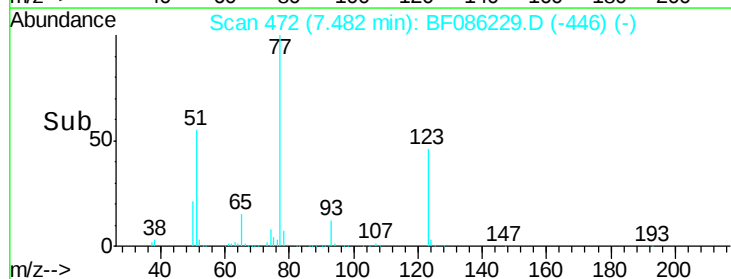
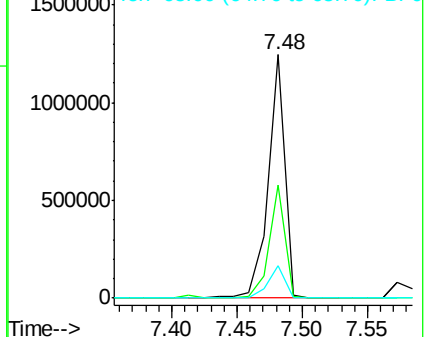
65 13.4 11.3 16.9

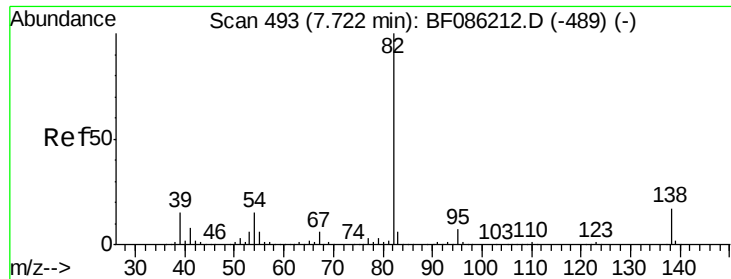


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 48.03 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

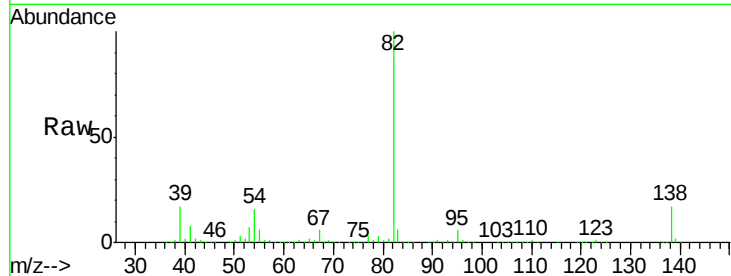
Tgt Ion: 82 Resp: 1946405

Ion Ratio Lower Upper

82 100

95 6.4 5.4 8.2

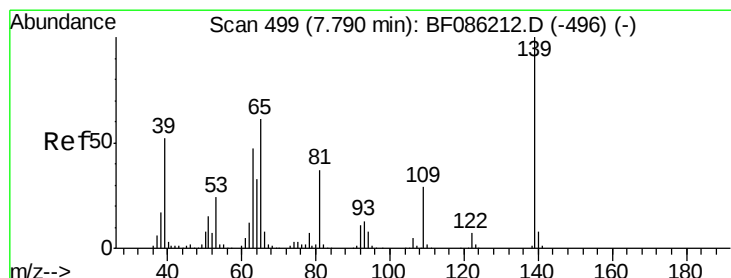
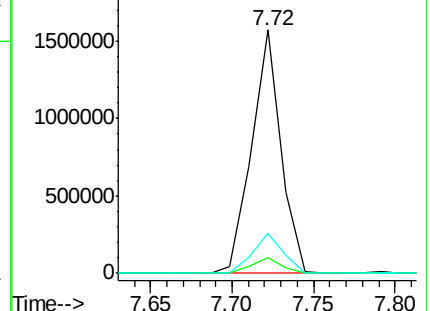
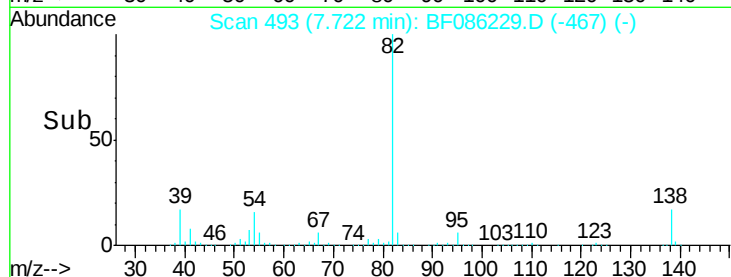
138 16.5 13.4 20.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 52.94 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

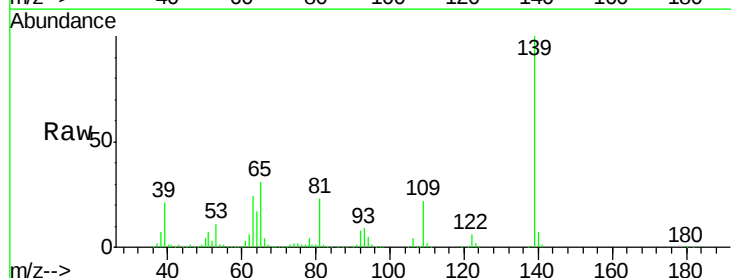
Tgt Ion: 139 Resp: 515353

Ion Ratio Lower Upper

139 100

109 22.1 25.8 38.8#

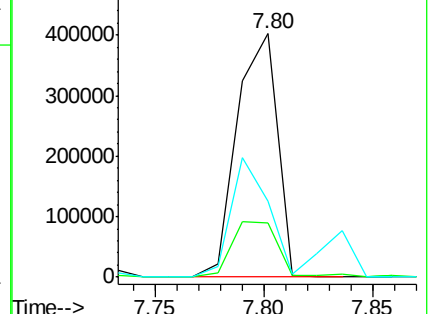
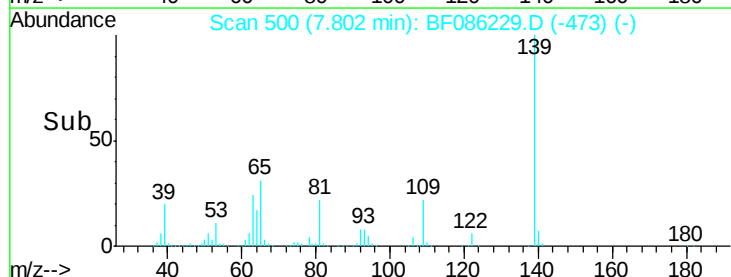
65 31.0 50.2 75.2#

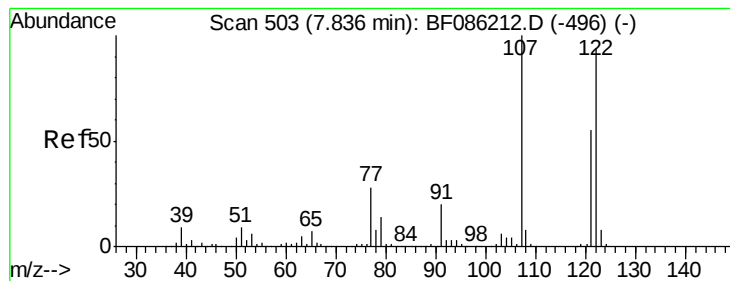


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 44.42 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

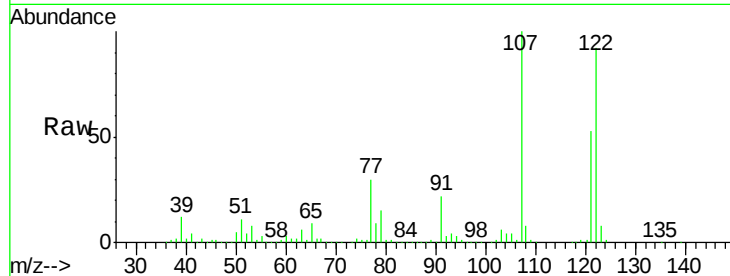
Tgt Ion:122 Resp: 873239

Ion Ratio Lower Upper

122 100

107 108.8 85.8 128.6

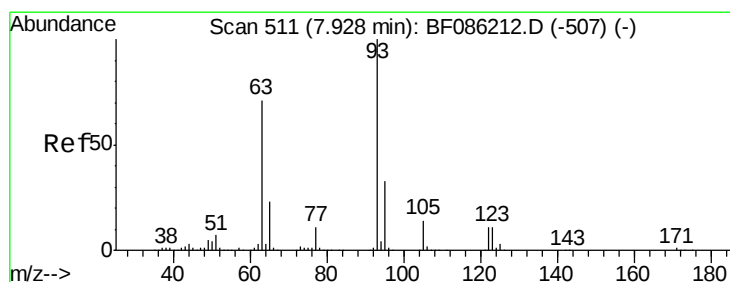
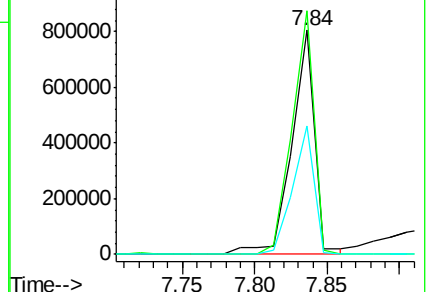
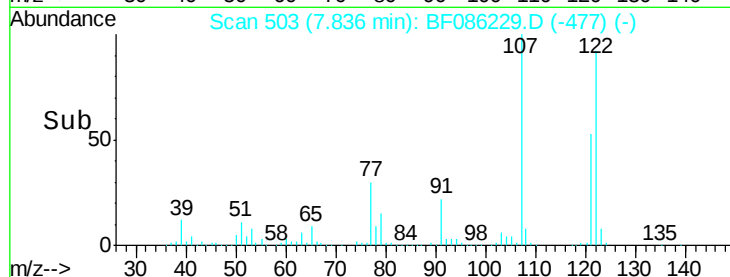
121 57.6 47.1 70.7



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: 52.72 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

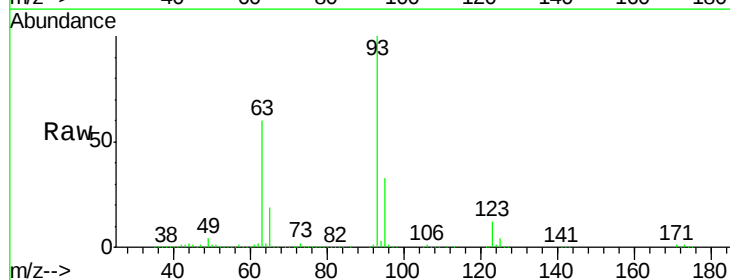
Tgt Ion: 93 Resp: 1255887

Ion Ratio Lower Upper

93 100

95 33.3 25.8 38.8

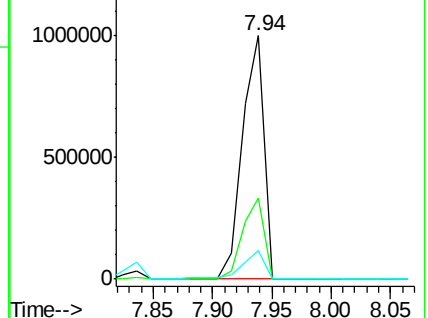
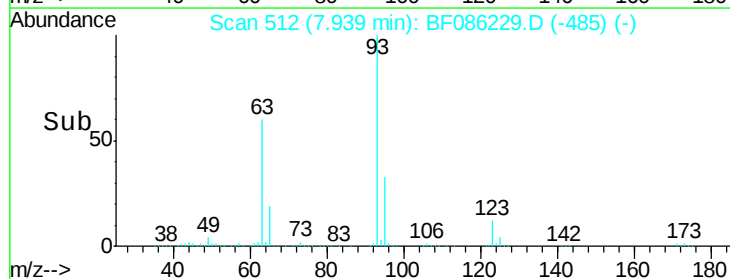
123 12.0 8.9 13.3

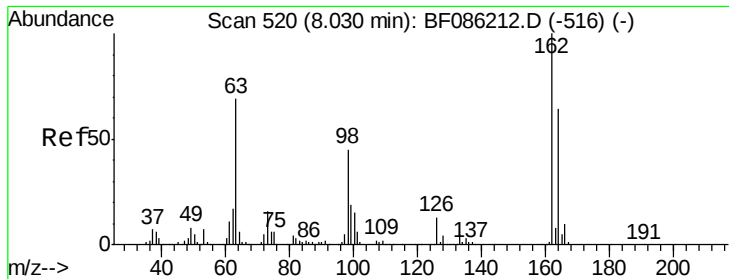


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

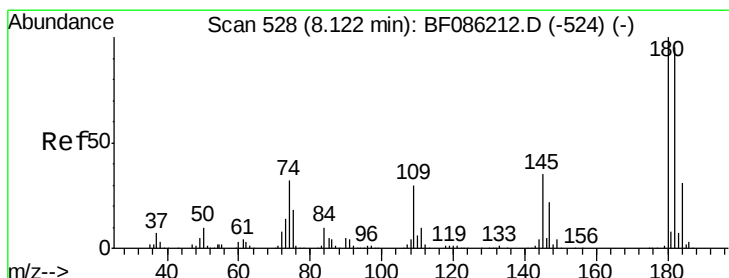
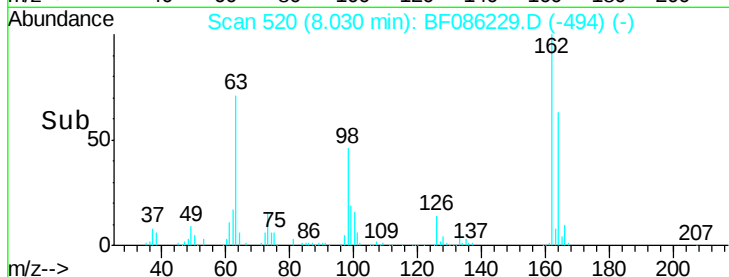
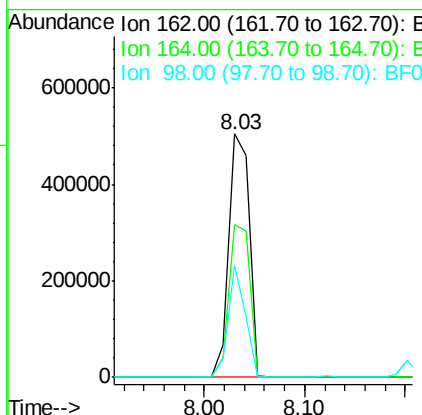
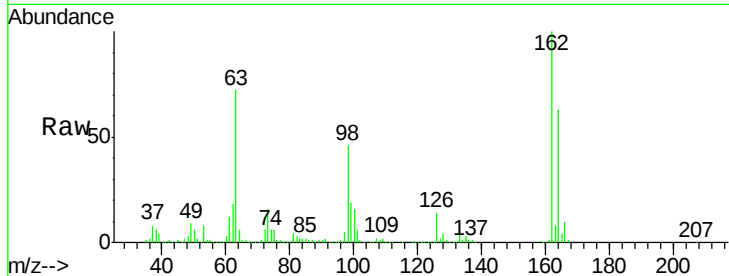




#29
 2,4-Dichlorophenol
 Concen: 47.72 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

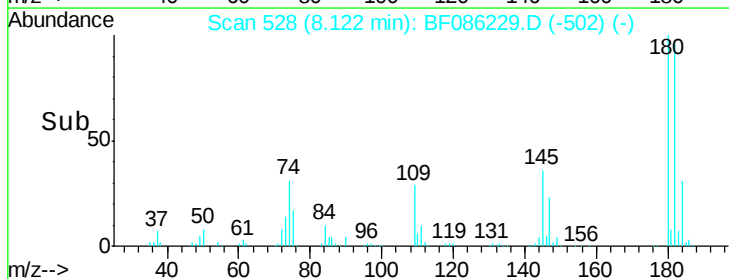
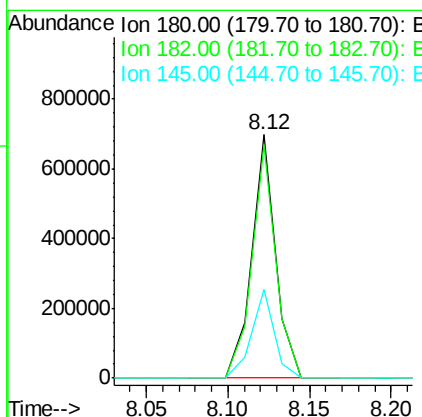
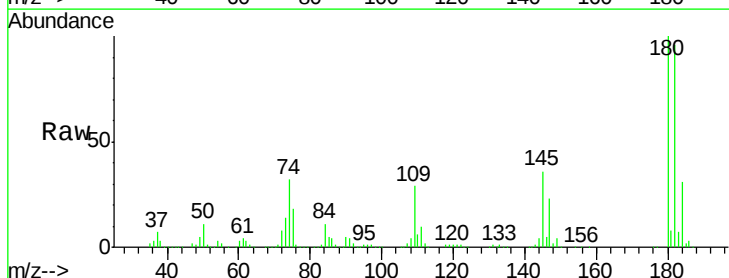
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

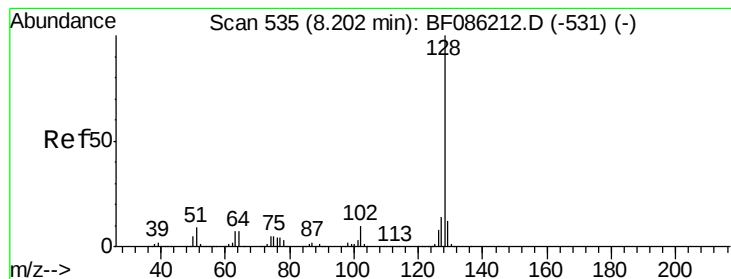
Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.3	83.3
98	46.1	22.9	62.9



#30
 1,2,4-Trichlorobenzene
 Concen: 45.08 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	36.2	27.4	41.2





#31

Naphthalene

Concen: 45.33 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

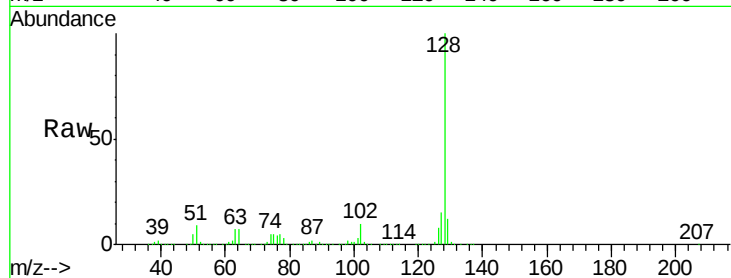
Tgt Ion:128 Resp: 2384397

Ion Ratio Lower Upper

128 100

129 12.1 9.6 14.4

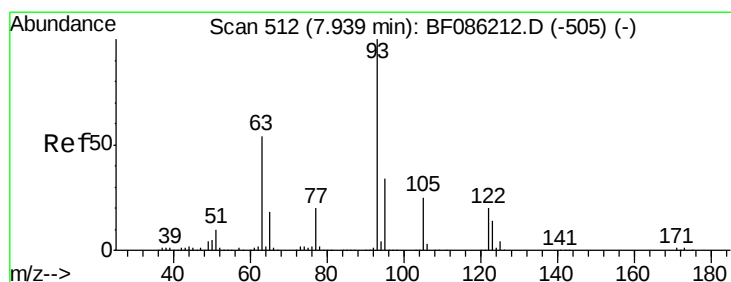
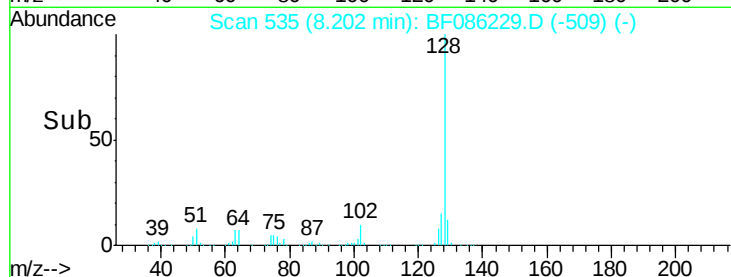
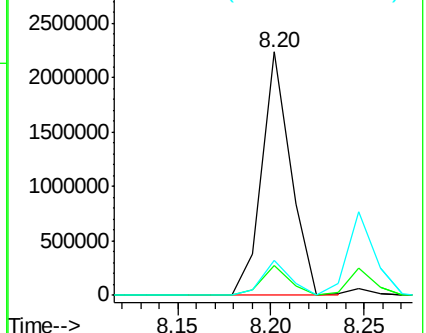
127 14.6 11.4 17.2



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: 17.68 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

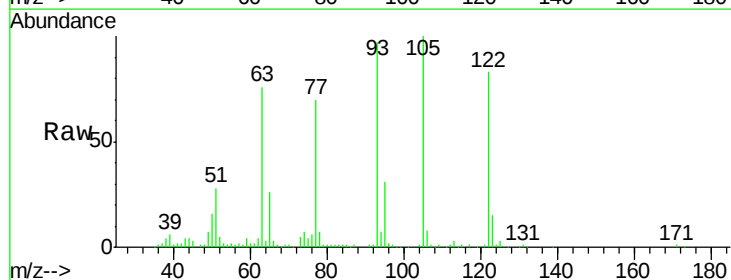
Tgt Ion:122 Resp: 222185

Ion Ratio Lower Upper

122 100

105 121.1 103.7 143.7

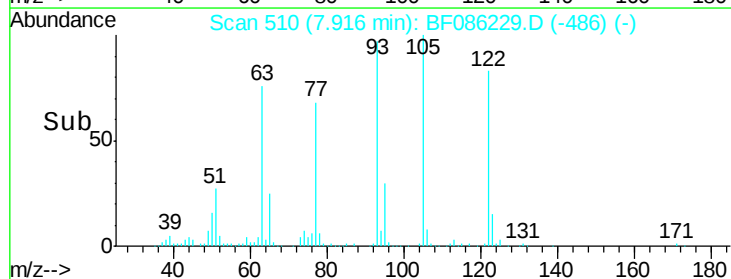
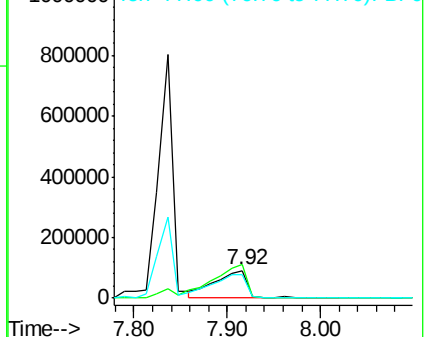
77 85.3 74.9 114.9

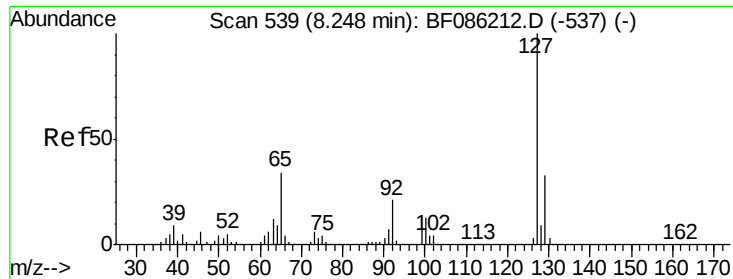


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

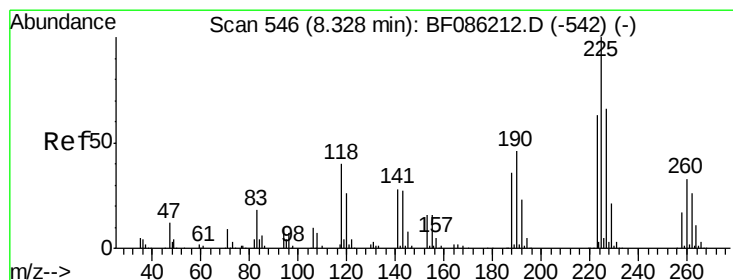
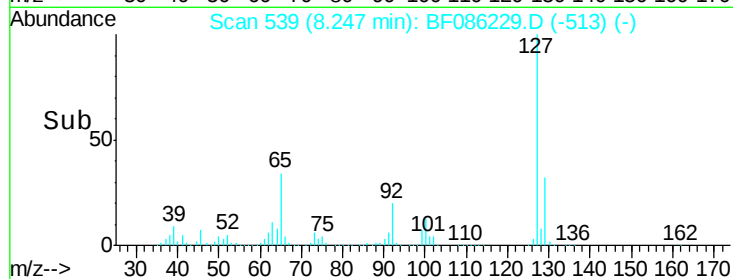
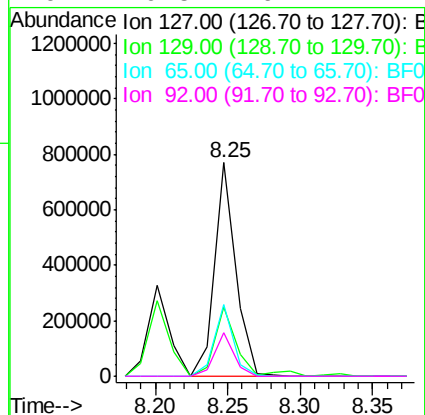
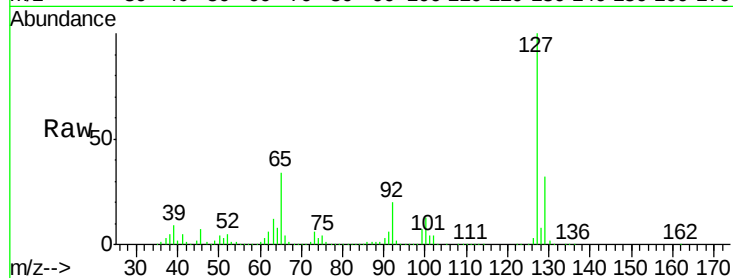




#33
4-Chloroaniline
Concen: 33.18 ng
RT: 8.25 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

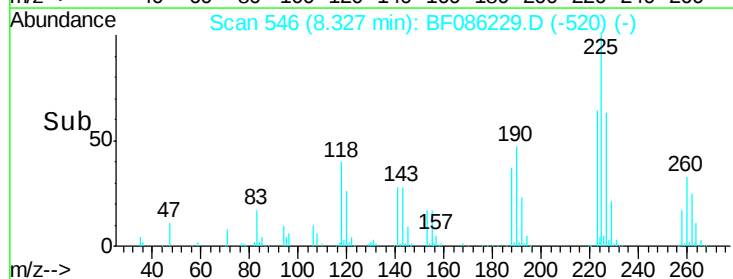
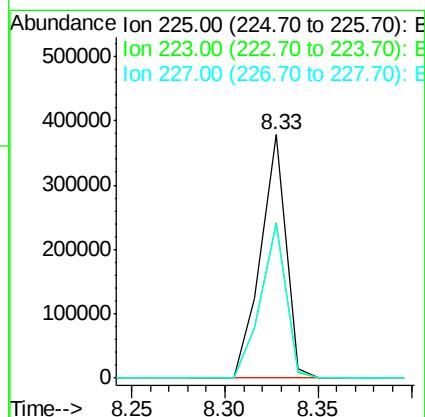
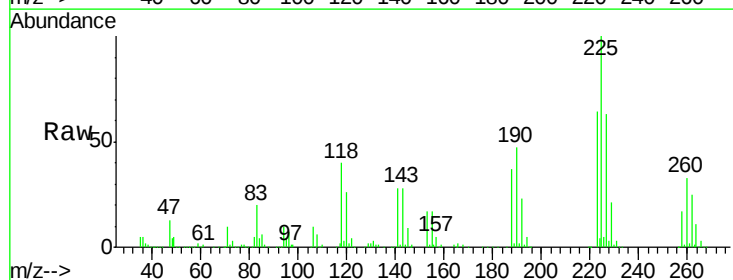
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

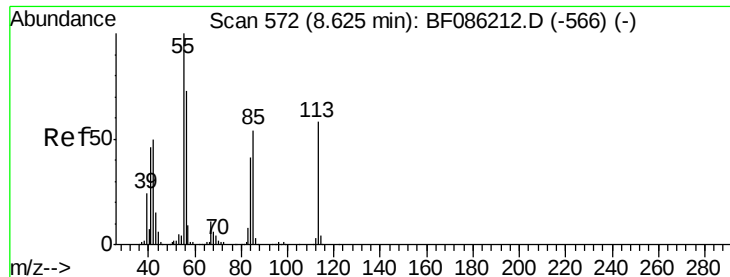
Tgt Ion:	127	Resp:	780143
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.8	40.2
65	33.8	27.1	40.7
92	20.5	16.2	24.2



#34
Hexachlorobutadiene
Concen: 45.38 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:	225	Resp:	355690
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.0
227	63.3	51.1	76.7

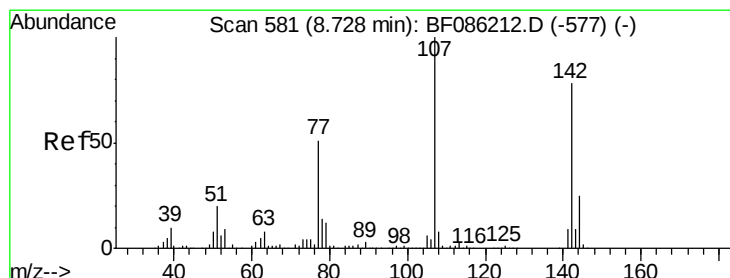
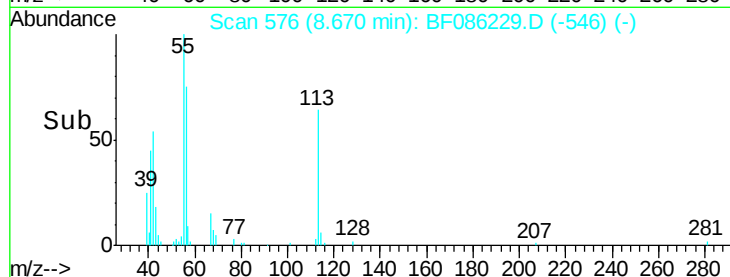
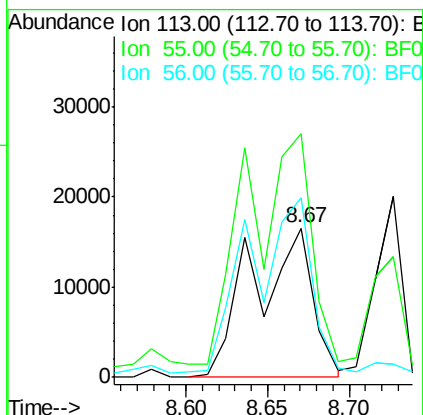
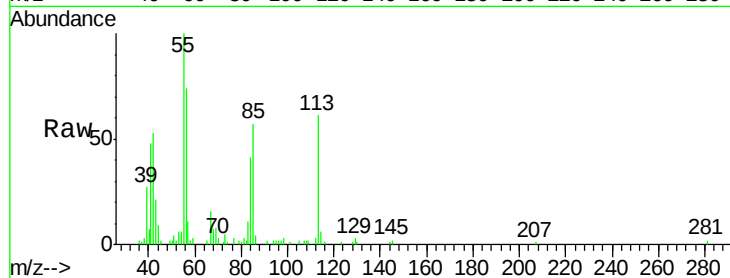




#35
 Caprolactam
 Concen: 7.78 ng
 RT: 8.67 min Scan# 576
 Delta R.T. 0.05 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

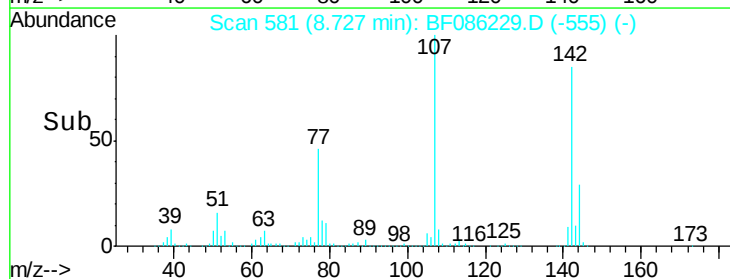
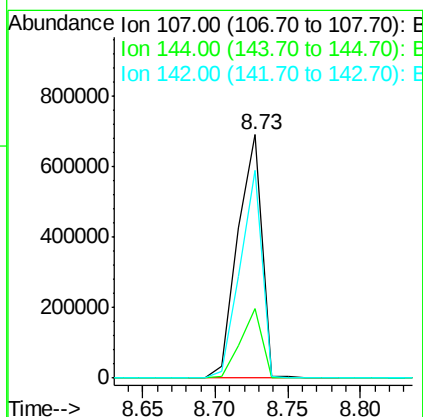
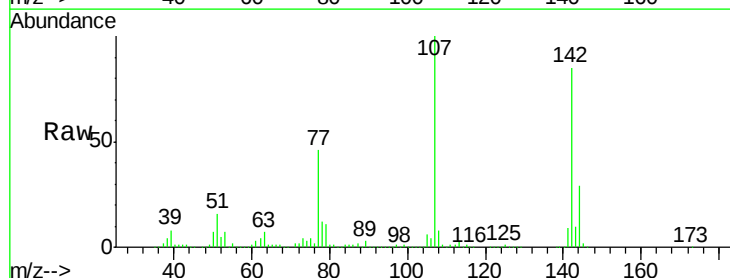
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

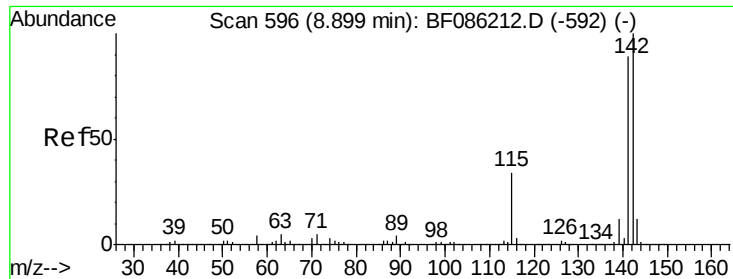
Tgt Ion:113 Resp: 42103
 Ion Ratio Lower Upper
 113 100
 55 163.3 117.5 157.5#
 56 120.4 82.5 122.5



#36
 4-Chloro-3-methylphenol
 Concen: 46.12 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:107 Resp: 798905
 Ion Ratio Lower Upper
 107 100
 144 28.6 20.7 31.1
 142 85.3 64.5 96.7

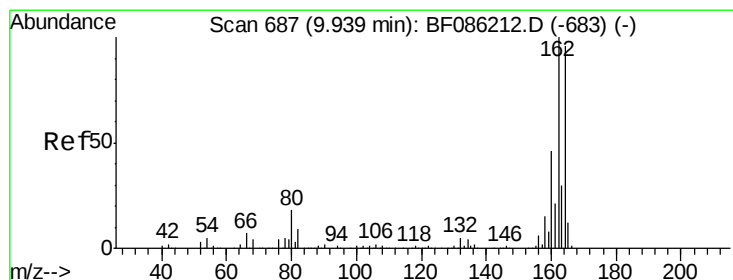
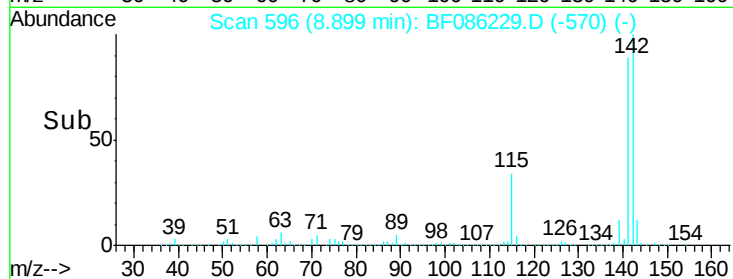
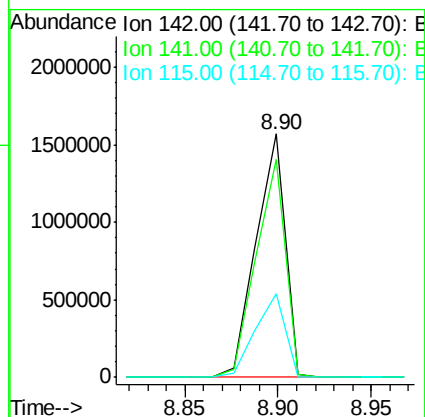
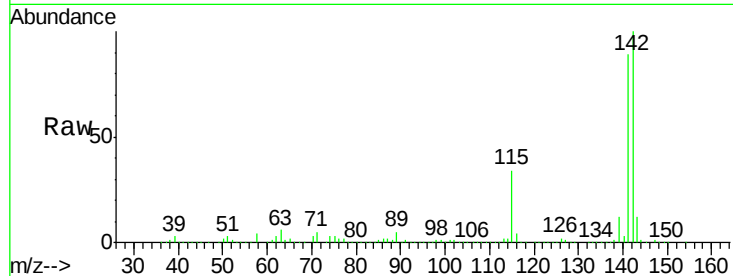




#37
2-Methylnaphthalene
Concen: 49.99 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

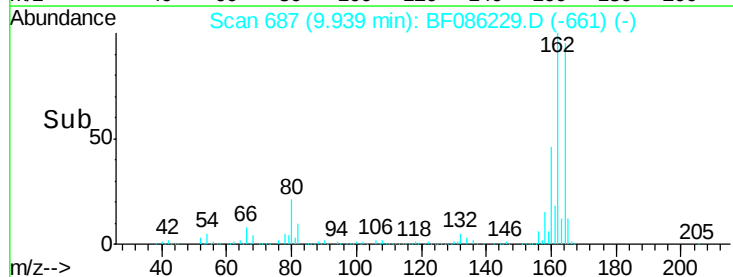
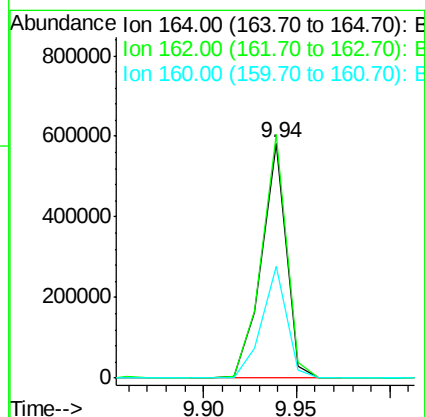
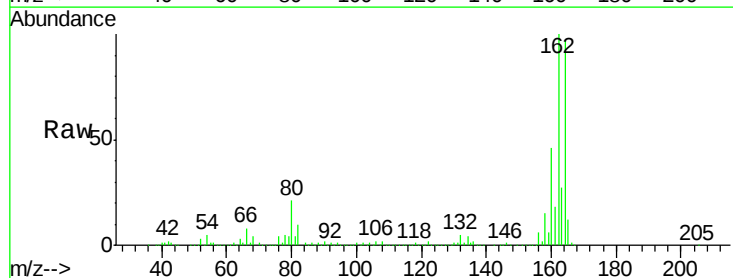
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

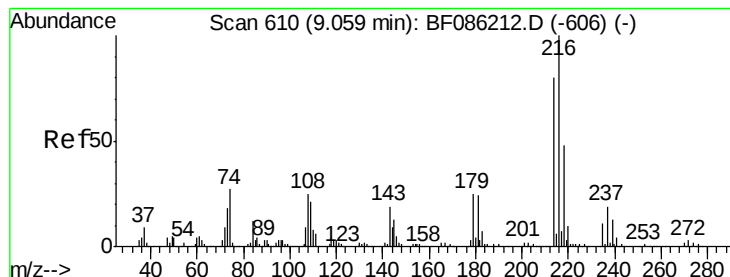
Tgt Ion:142 Resp: 1700039
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7
115 34.3 25.1 37.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:164 Resp: 535314
Ion Ratio Lower Upper
164 100
162 103.6 82.8 124.2
160 47.3 38.9 58.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.84 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

Tgt Ion:216 Resp: 507234

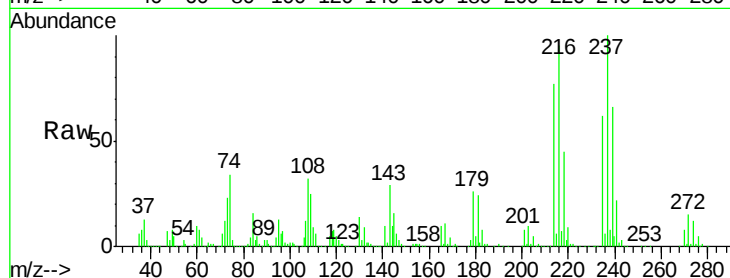
Ion Ratio Lower Upper

216 100

214 79.0 64.9 97.3

179 23.0 19.8 29.6

108 26.9 21.0 31.4

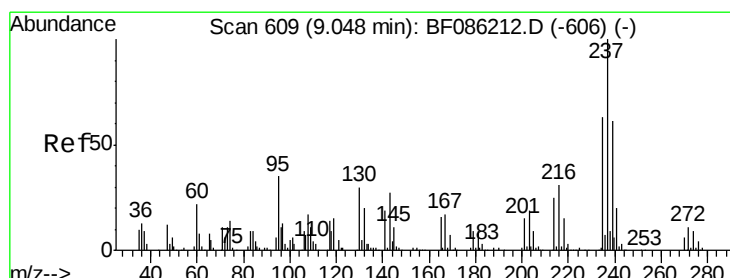
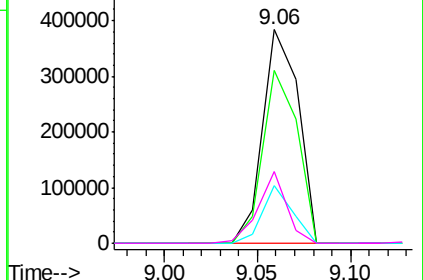
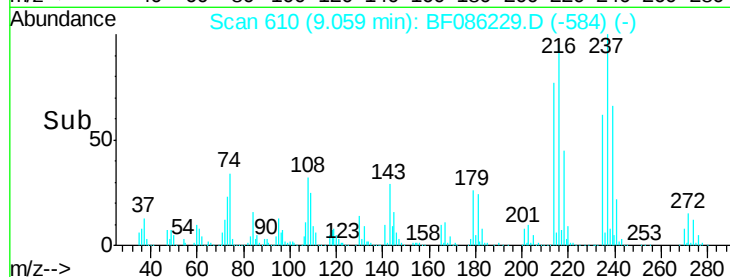


Abundance Ion 216.00 (215.70 to 216.70): E

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: 92.56 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

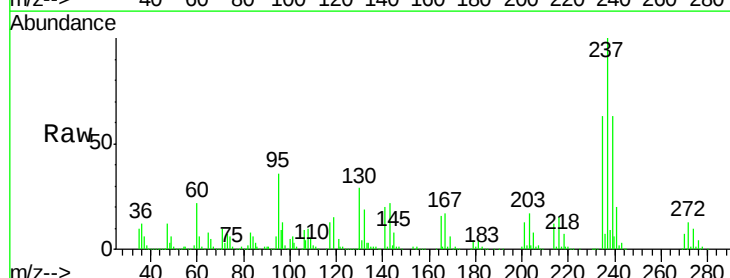
Tgt Ion:237 Resp: 584100

Ion Ratio Lower Upper

237 100

235 63.2 44.0 84.0

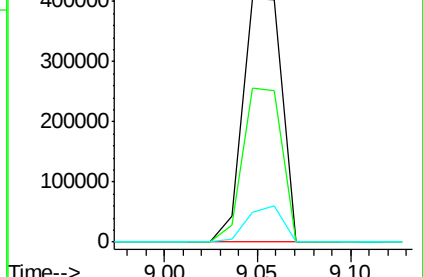
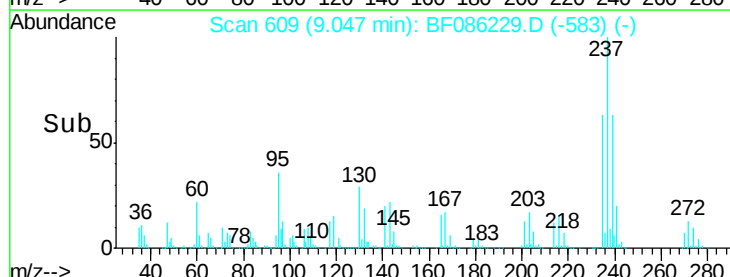
272 12.5 0.0 32.4

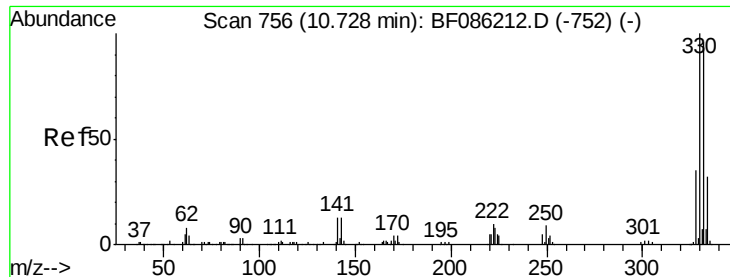


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

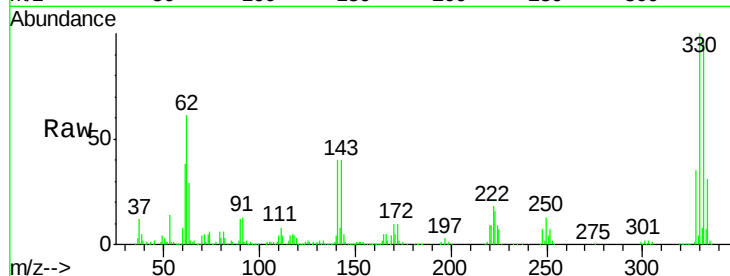




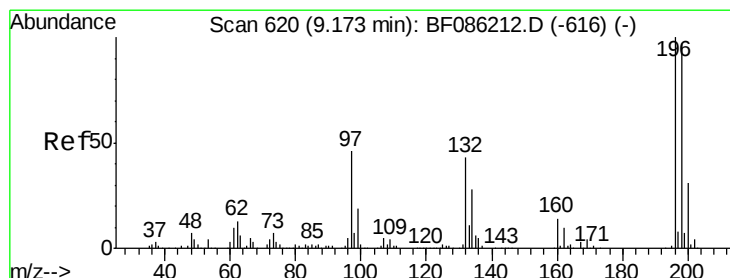
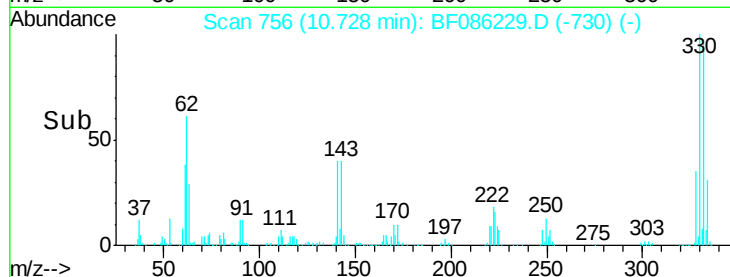
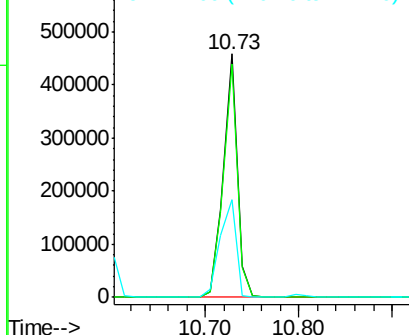
#41
 2,4,6-Tribromophenol
 Concen: 111.78 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tgt Ion:330 Resp: 480506
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.7 118.1
 141 45.8 28.6 42.8#

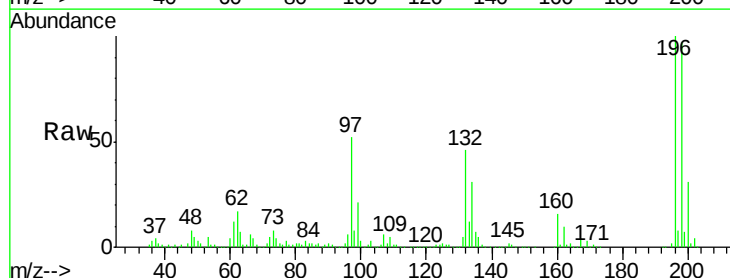


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

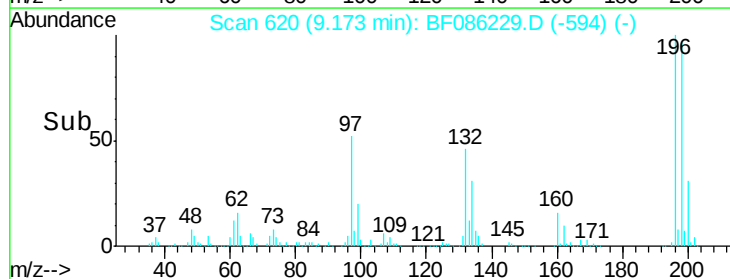
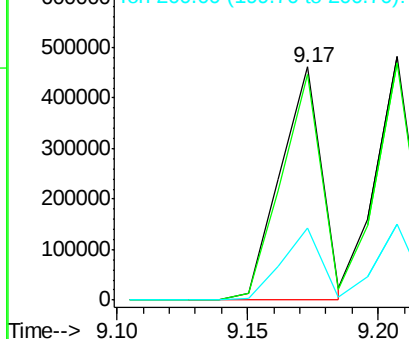


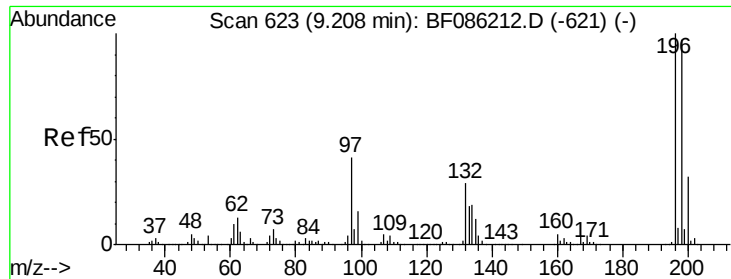
#42
 2,4,6-Trichlorophenol
 Concen: 48.01 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:196 Resp: 506269
 Ion Ratio Lower Upper
 196 100
 198 96.7 76.6 115.0
 200 30.9 25.3 37.9



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

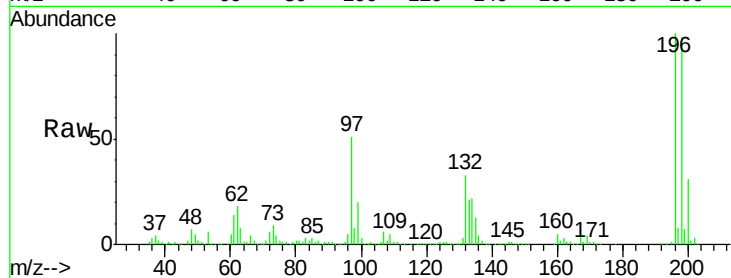




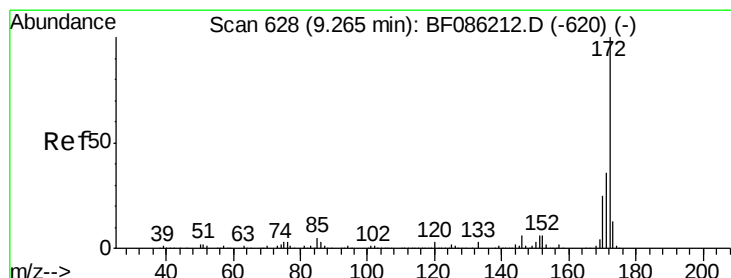
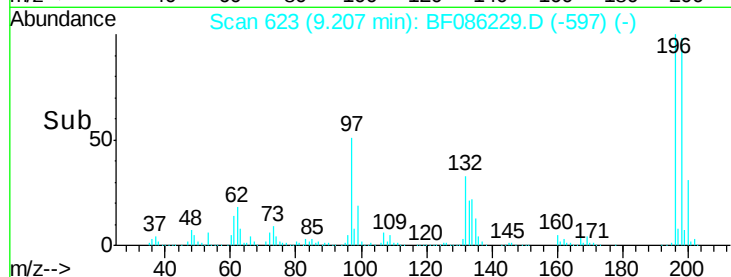
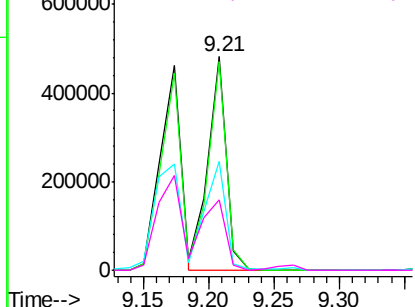
#43
 2,4,5-Trichlorophenol
 Concen: 46.62 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tgt Ion:196 Resp: 474895
 Ion Ratio Lower Upper
 196 100
 198 97.7 77.7 116.5
 97 50.8 32.6 48.8#
 132 32.8 21.4 32.0#

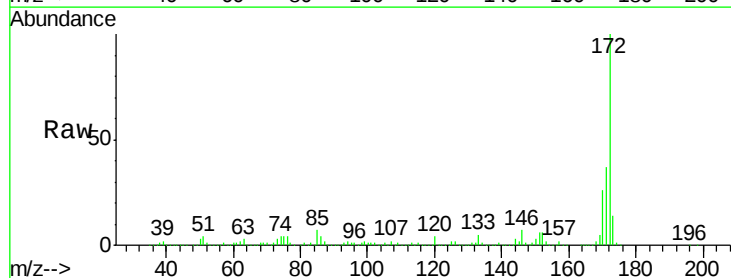


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

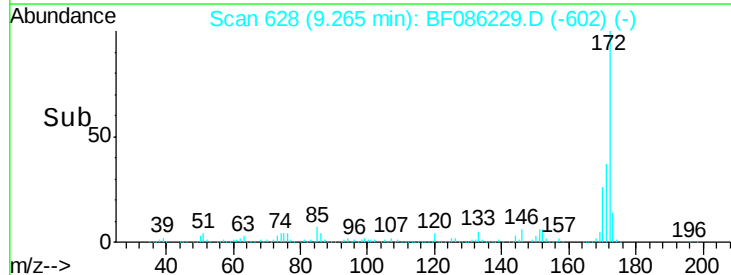
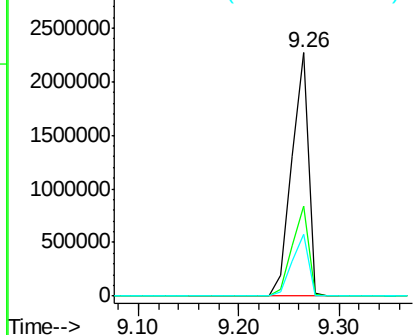


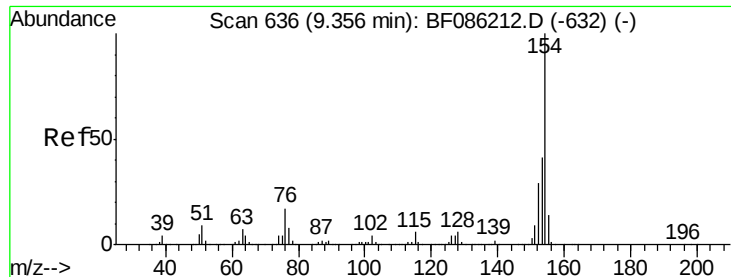
#44
 2-Fluorobiphenyl
 Concen: 89.88 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:172 Resp: 2607514
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.1 43.7
 170 25.5 19.9 29.9



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

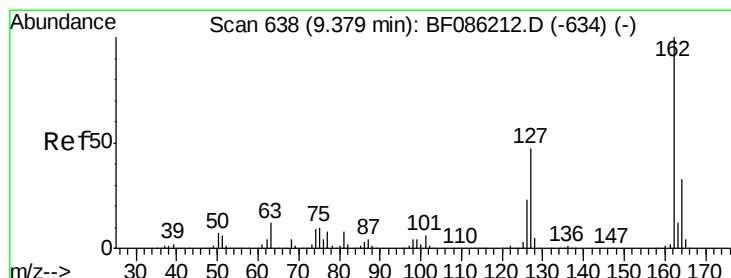
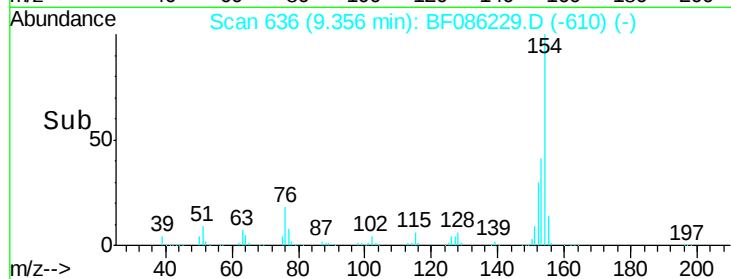
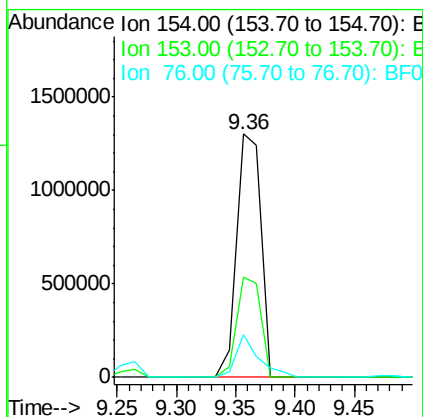
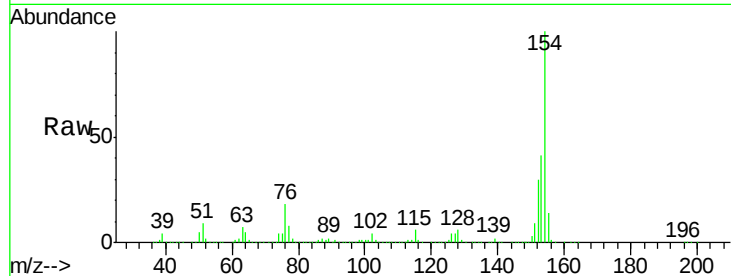




#45
 1,1'-Biphenyl
 Concen: 48.03 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

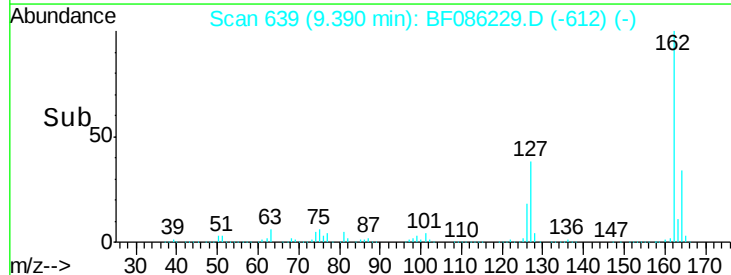
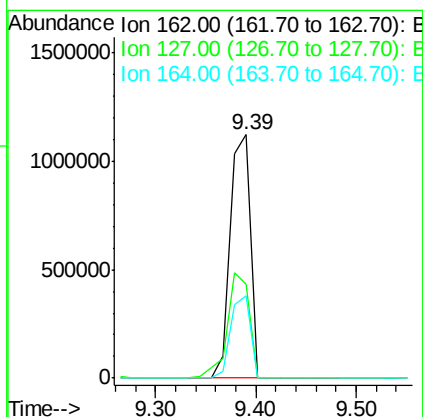
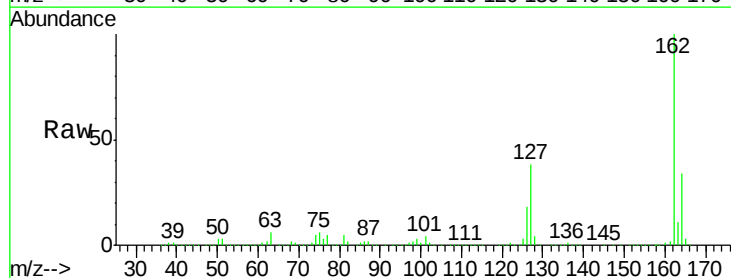
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

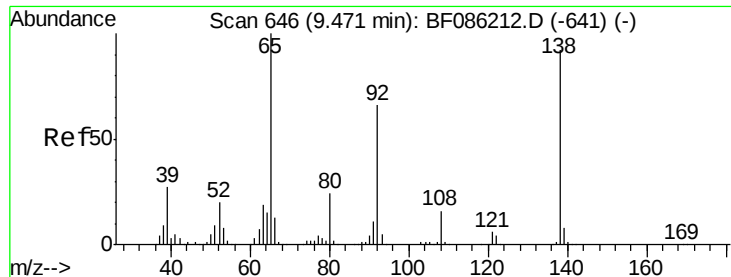
Tgt Ion:154 Resp: 1850896
 Ion Ratio Lower Upper
 154 100
 153 41.3 21.3 61.3
 76 17.7 0.0 36.4



#46
 2-Chloronaphthalene
 Concen: 49.38 ng
 RT: 9.39 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:162 Resp: 1553621
 Ion Ratio Lower Upper
 162 100
 127 38.3 36.7 55.1
 164 33.6 26.4 39.6

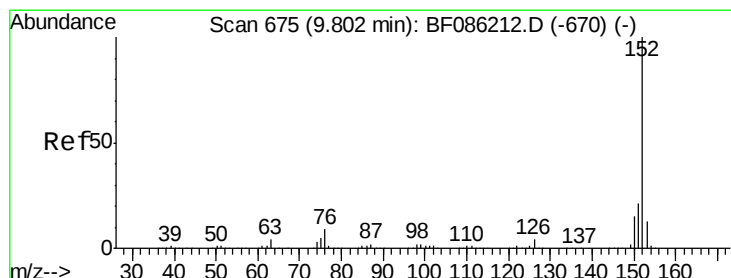
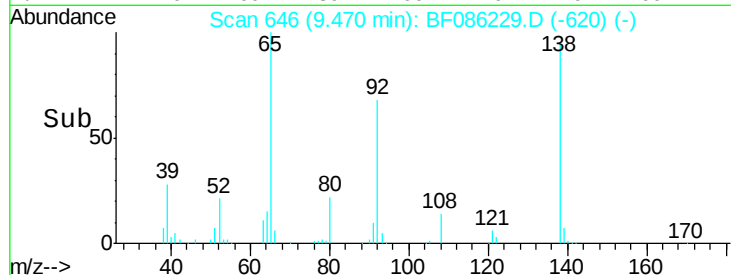
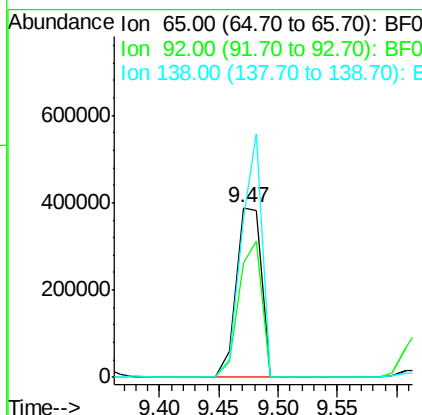
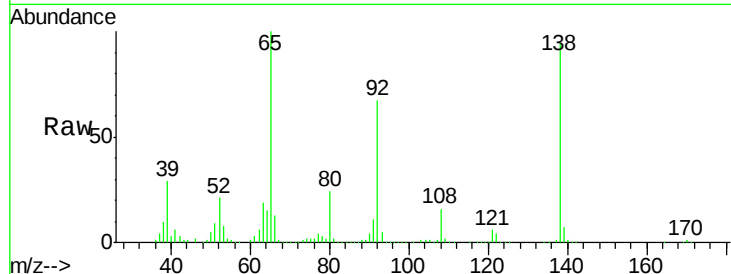




#47
 2-Nitroaniline
 Concen: 56.15 ng
 RT: 9.47 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

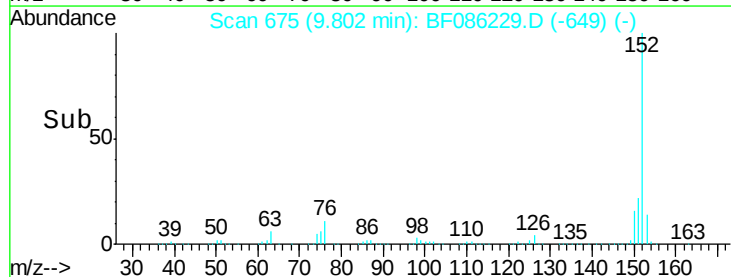
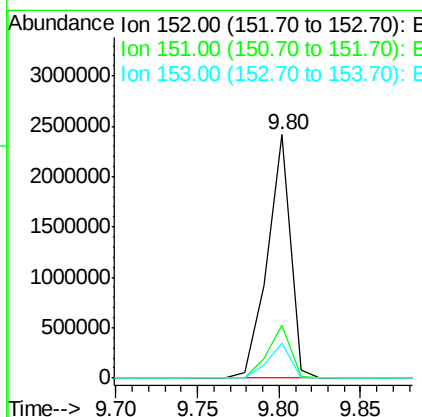
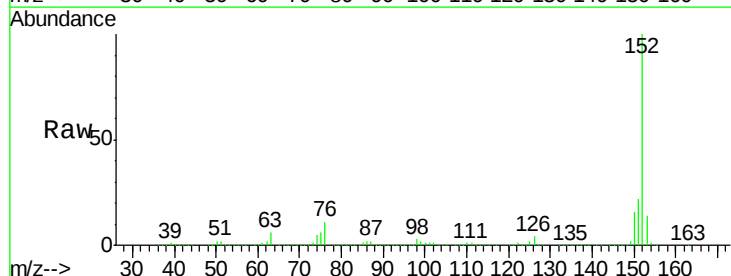
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

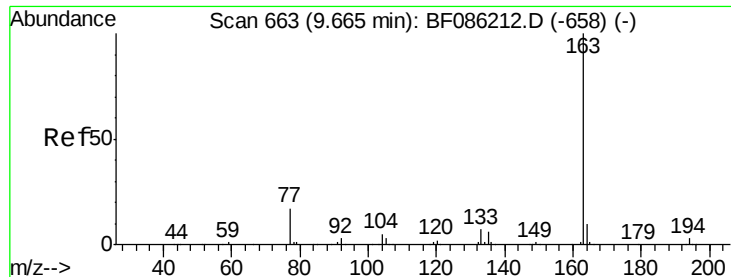
Tgt Ion: 65 Resp: 572332
 Ion Ratio Lower Upper
 65 100
 92 67.3 51.9 77.9
 138 93.5 72.6 108.8



#48
 Acenaphthylene
 Concen: 47.63 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion: 152 Resp: 2384216
 Ion Ratio Lower Upper
 152 100
 151 21.9 17.2 25.8
 153 14.1 10.7 16.1

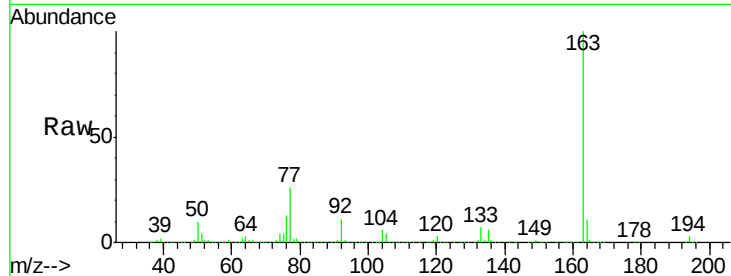




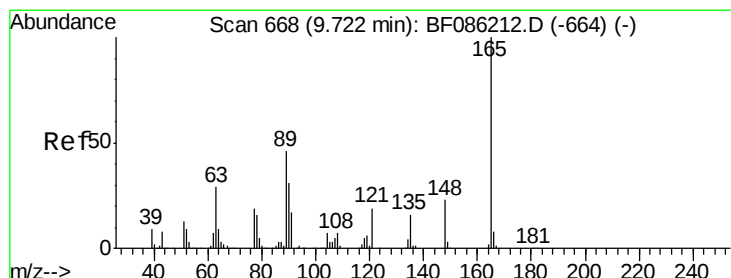
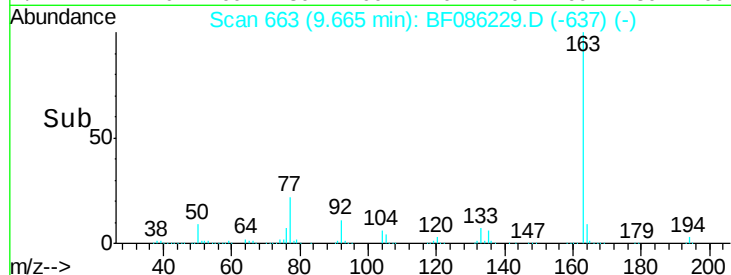
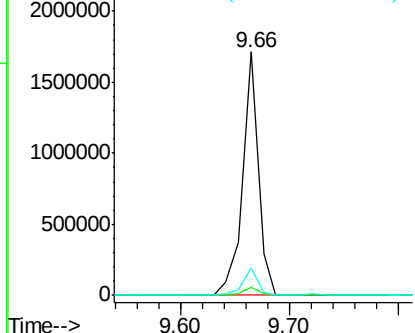
#49
Dimethylphthalate
Concen: 43.51 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tgt Ion:163 Resp: 1693432
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 11.2 8.4 12.6

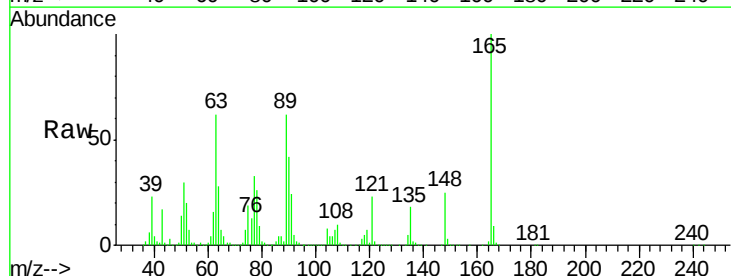


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

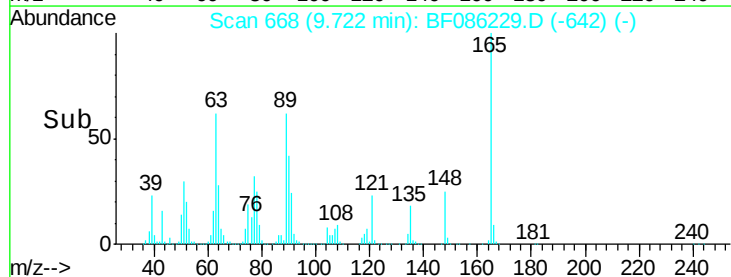
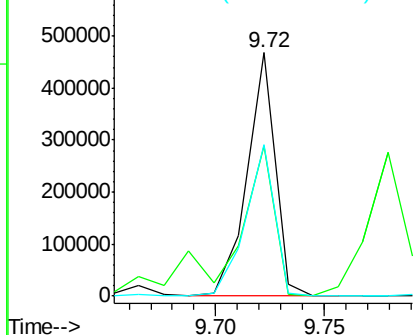


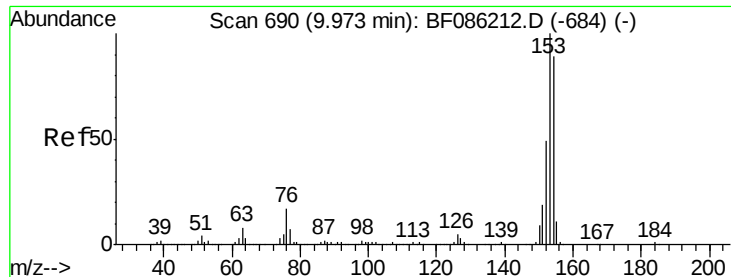
#50
2,6-Dinitrotoluene
Concen: 48.95 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:165 Resp: 421570
Ion Ratio Lower Upper
165 100
63 61.9 35.1 52.7#
89 62.5 39.8 59.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 54.20 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

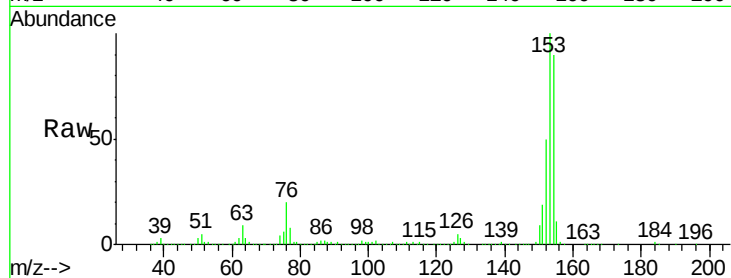
Tgt Ion:154 Resp: 1620894

Ion Ratio Lower Upper

154 100

153 111.7 90.0 135.0

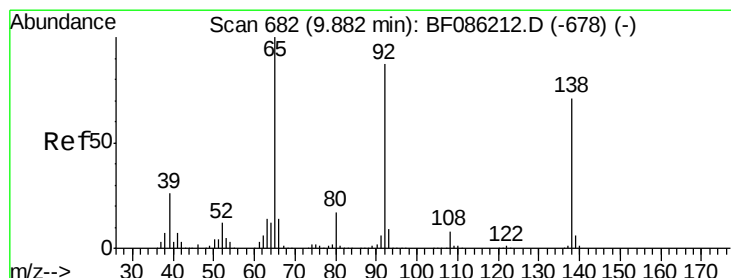
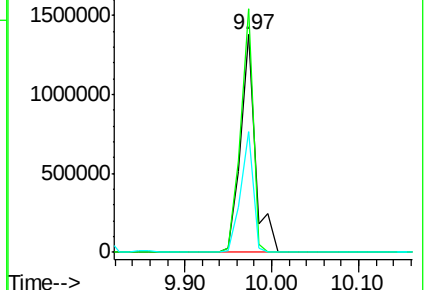
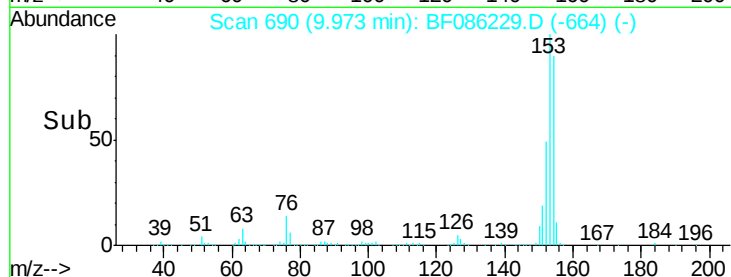
152 55.4 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.72 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

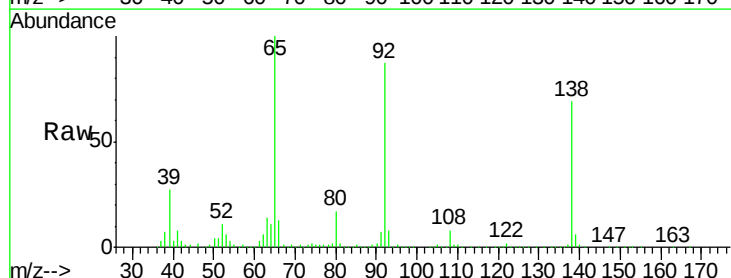
Tgt Ion:138 Resp: 311078

Ion Ratio Lower Upper

138 100

108 11.0 9.0 13.4

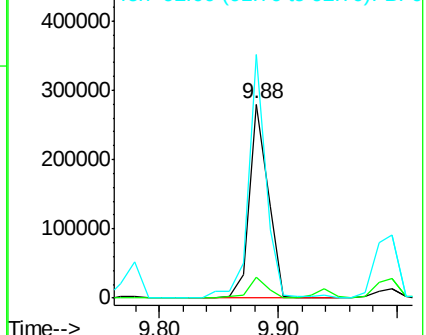
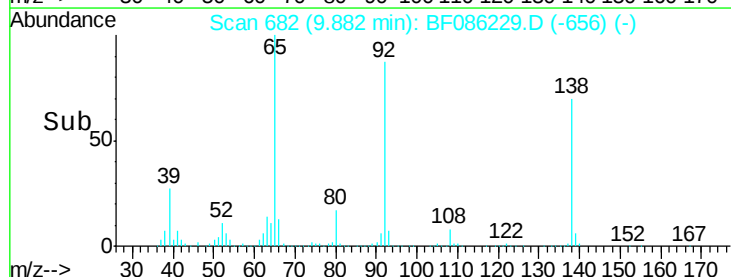
92 125.4 99.3 148.9

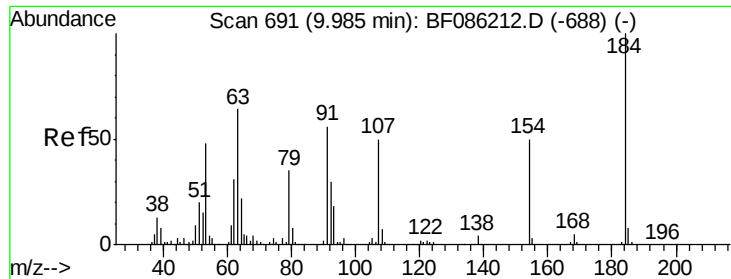


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

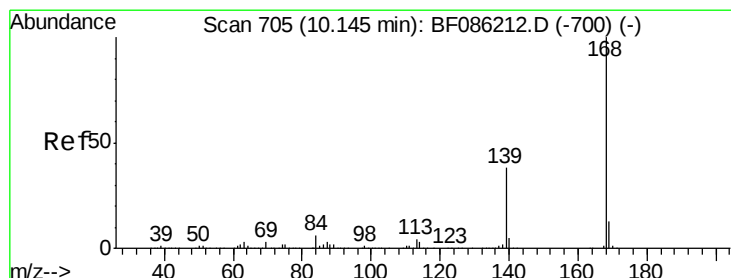
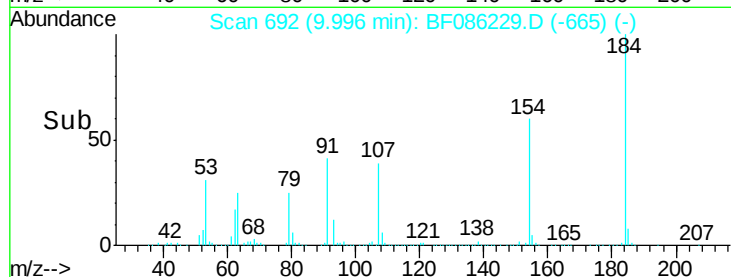
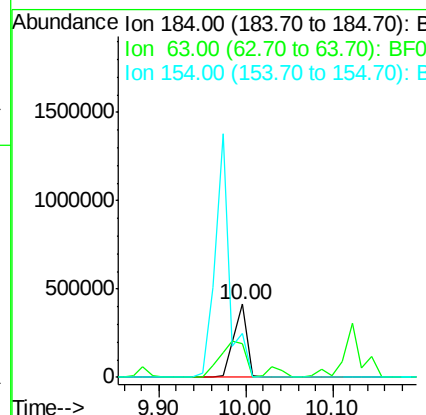
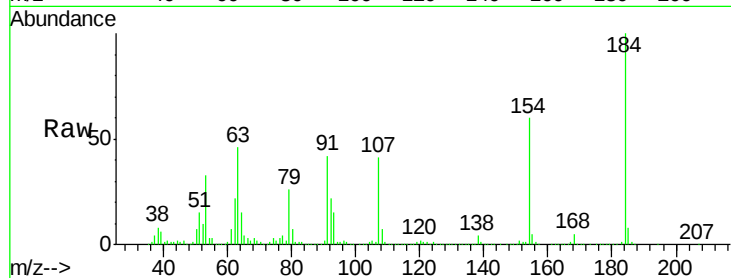




#53
2,4-Dinitrophenol
Concen: 133.58 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.01 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

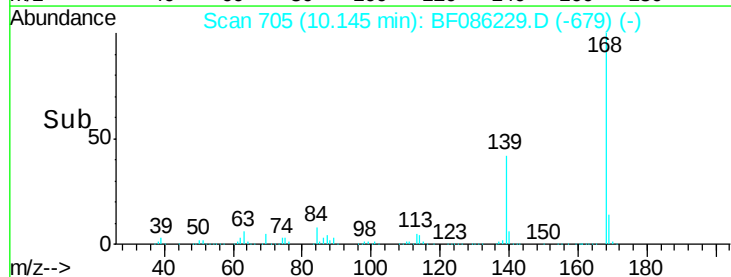
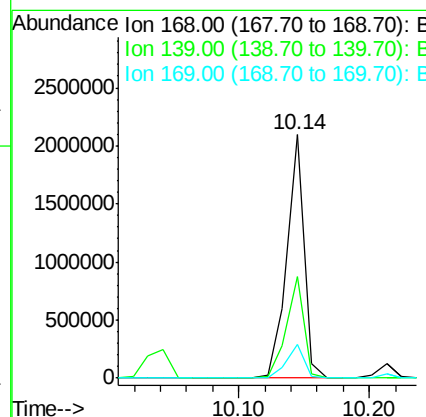
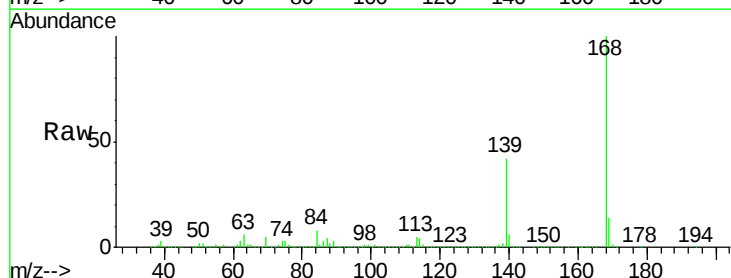
Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

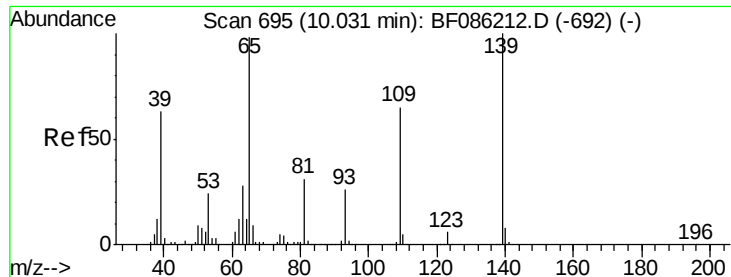
Tgt Ion:184 Resp: 435642
Ion Ratio Lower Upper
184 100
63 46.1 64.7 97.1#
154 60.3 59.4 89.2



#54
Dibenzofuran
Concen: 49.41 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:168 Resp: 1951432
Ion Ratio Lower Upper
168 100
139 41.9 29.5 44.3
169 14.1 10.6 16.0





#55

4-Nitrophenol

Concen: 38.46 ng

RT: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

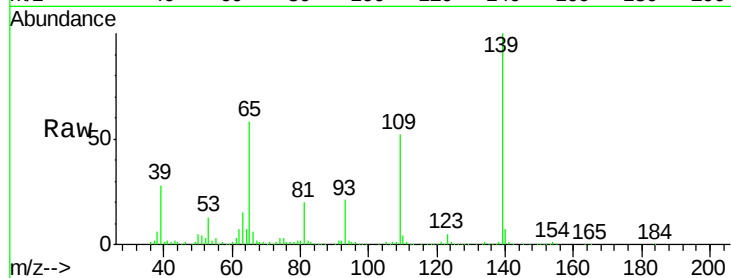
Tgt Ion:139 Resp: 314894

Ion Ratio Lower Upper

139 100

109 51.6 55.0 95.0#

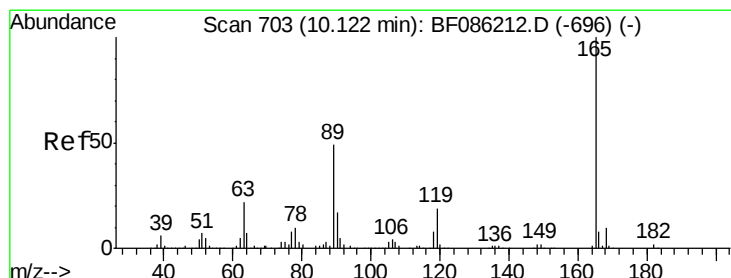
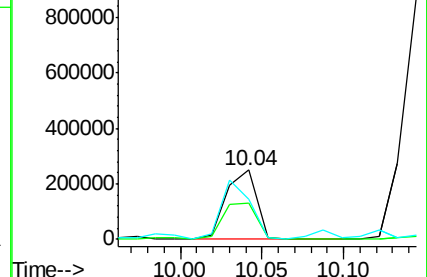
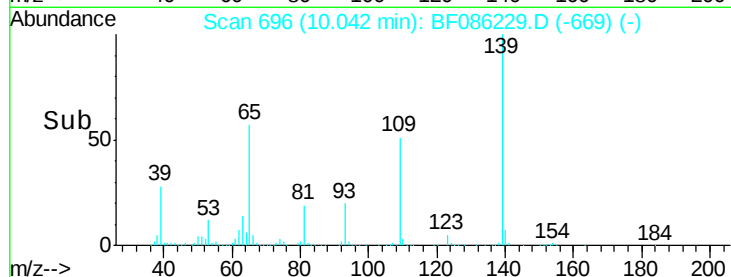
65 57.6 87.3 127.3#



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: 49.16 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:165 Resp: 541971

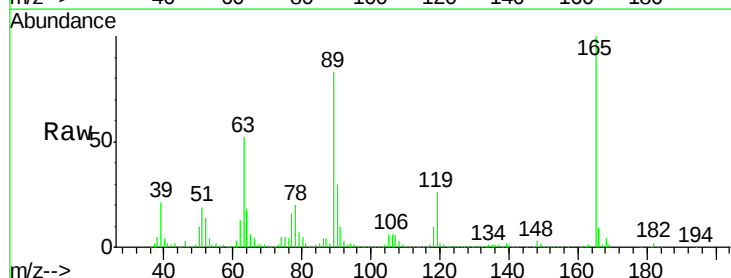
Ion Ratio Lower Upper

165 100

63 51.6 26.6 40.0#

89 82.9 49.5 74.3#

182 2.1 1.9 2.9

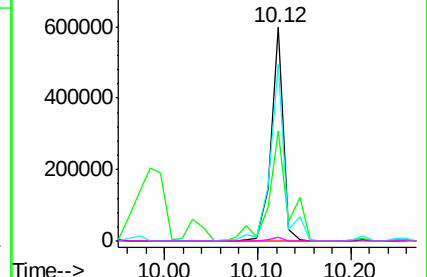
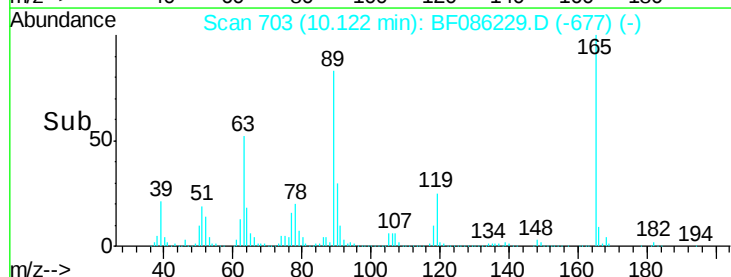


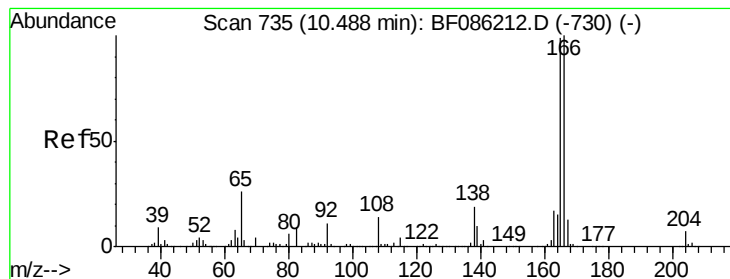
Abundance Ion 165.00 (164.70 to 165.70): E

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: 51.48 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

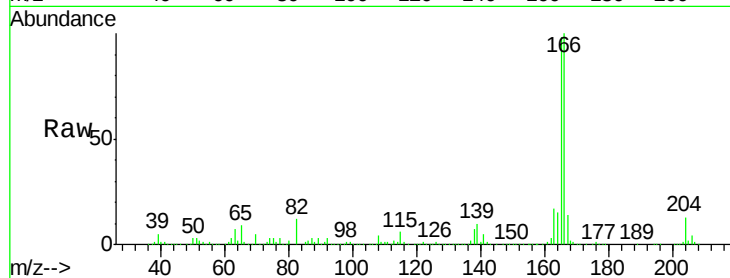
Tgt Ion:166 Resp: 1374819

Ion Ratio Lower Upper

166 100

165 98.4 78.6 117.8

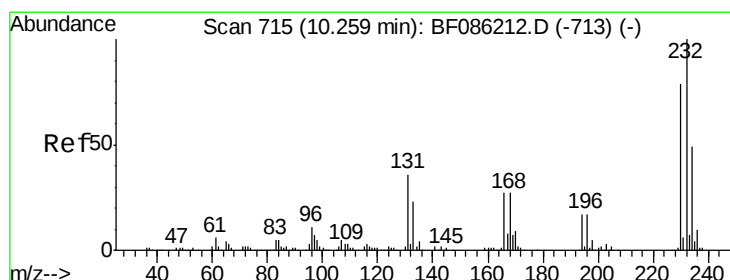
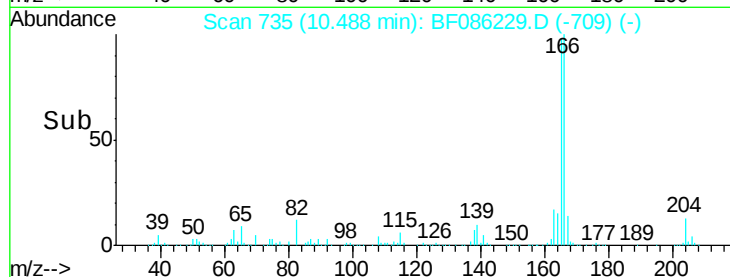
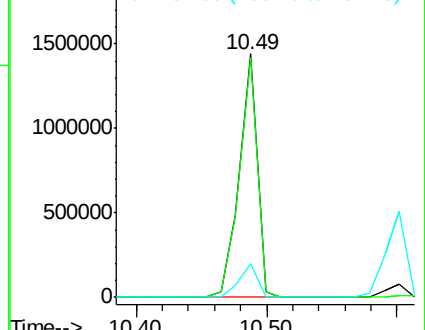
167 13.6 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.26 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion:232 Resp: 379257

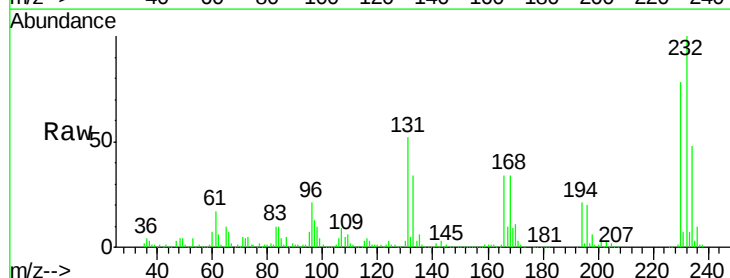
Ion Ratio Lower Upper

232 100

131 60.1 46.6 70.0

130 3.3 2.5 3.7

166 37.0 28.3 42.5

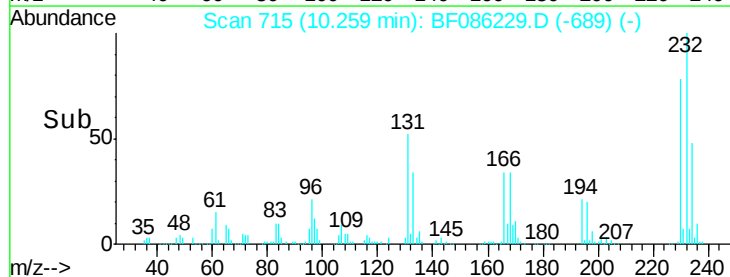
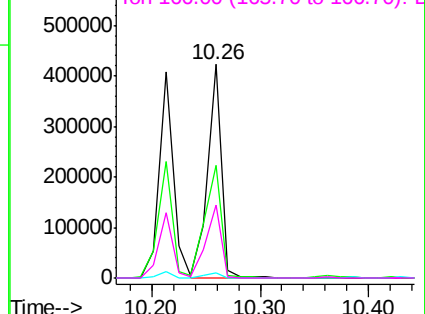


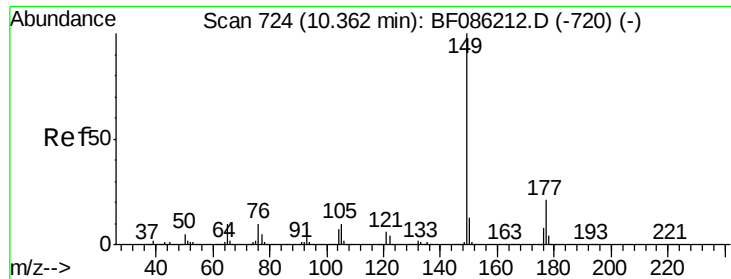
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

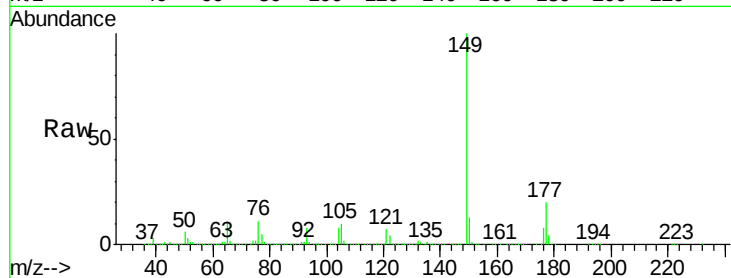




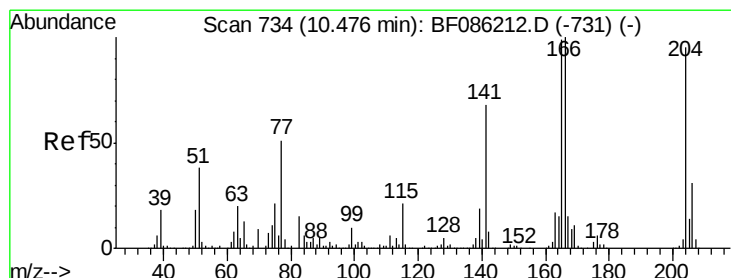
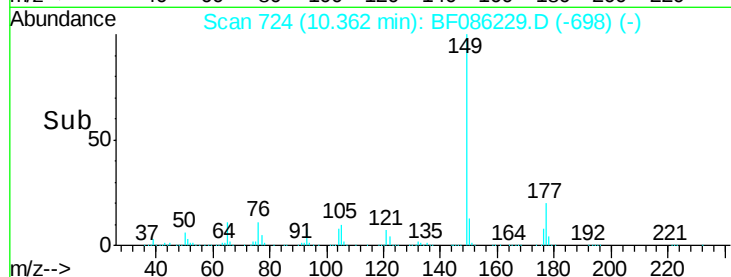
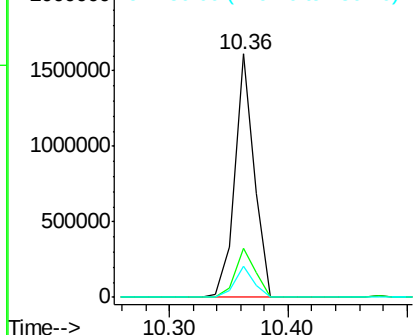
#59
Diethylphthalate
Concen: 45.37 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tgt Ion:149 Resp: 1822788
Ion Ratio Lower Upper
149 100
177 20.2 17.0 25.6
150 13.0 10.2 15.4

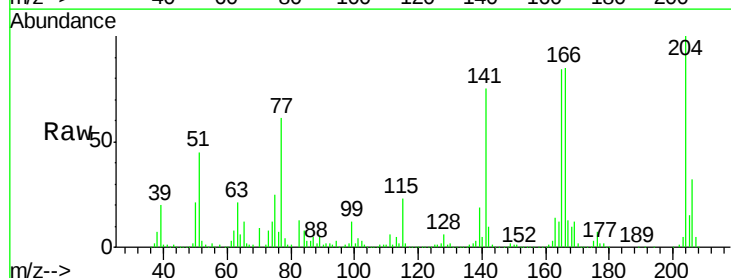


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

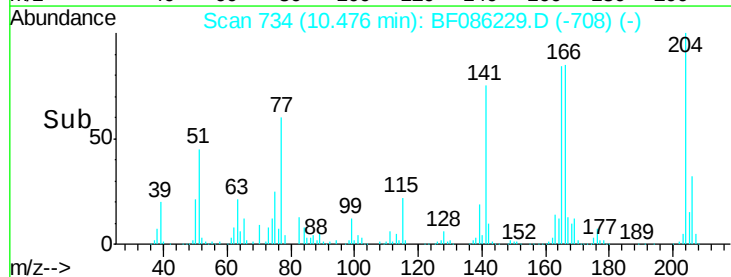
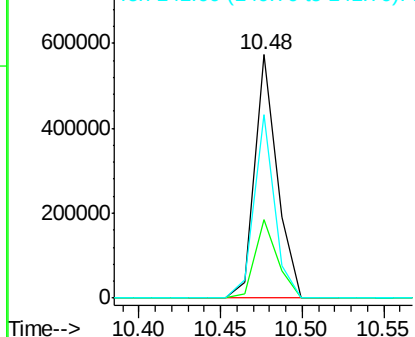


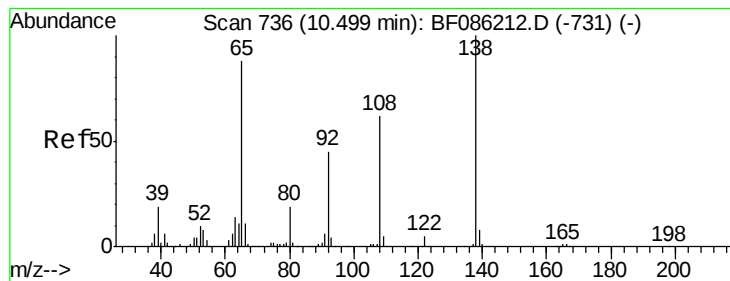
#60
4-Chlorophenyl-phenylether
Concen: 50.12 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF086229.D
Acq: 15 Apr 2016 21:13

Tgt Ion:204 Resp: 549594
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.2
141 75.4 55.4 83.0



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: 43.65 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

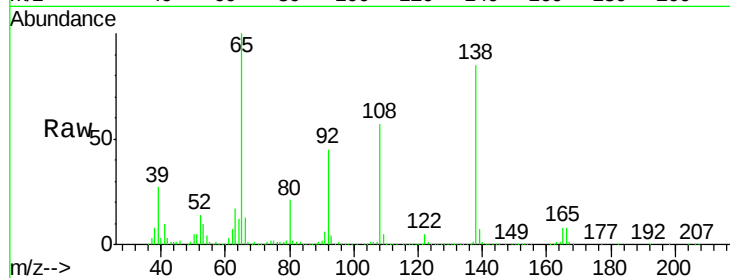
Tgt Ion:138 Resp: 394796

Ion Ratio Lower Upper

138 100

92 52.6 31.9 71.9

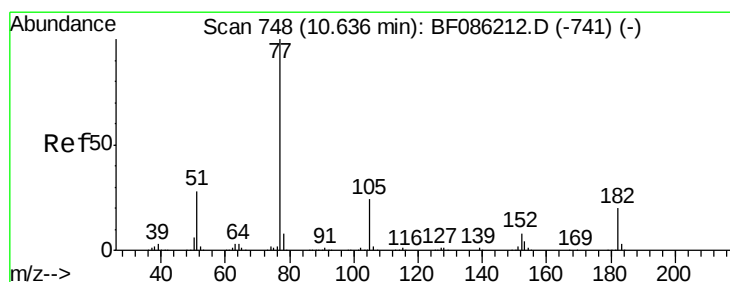
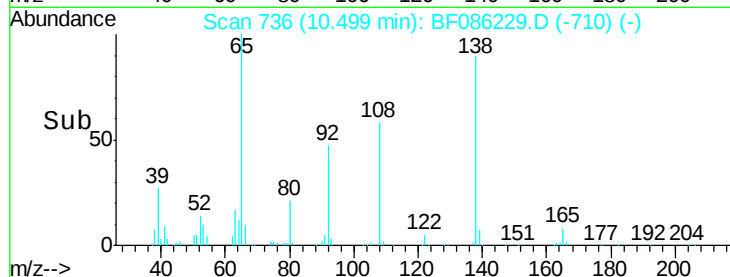
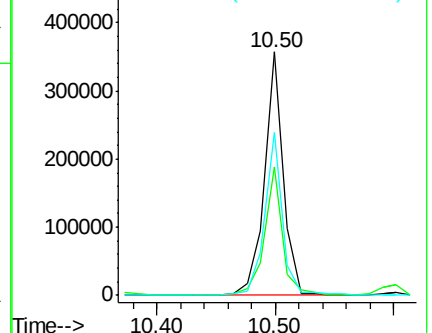
108 67.0 58.7 98.7



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: 50.94 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion: 77 Resp: 2002197

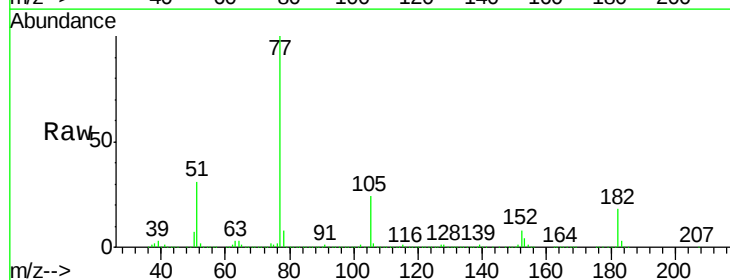
Ion Ratio Lower Upper

77 100

182 17.9 2.3 42.3

105 24.1 3.4 43.4

51 30.8 11.7 51.7

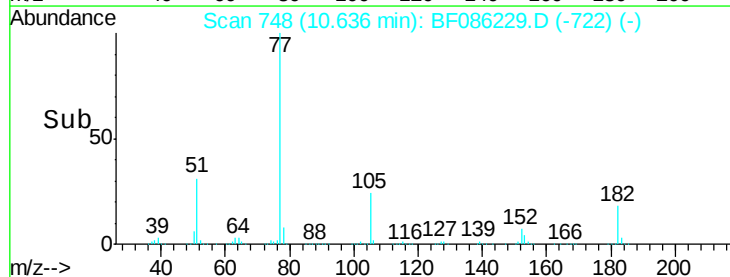
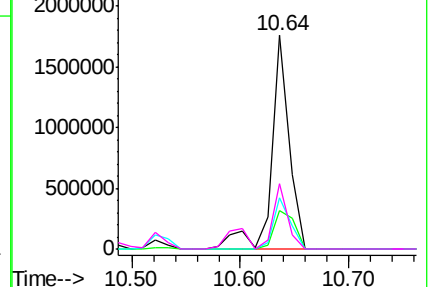


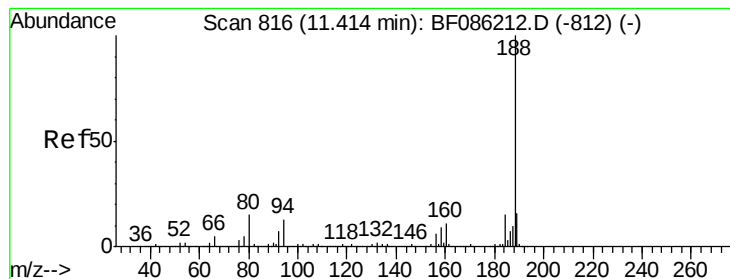
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.42 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

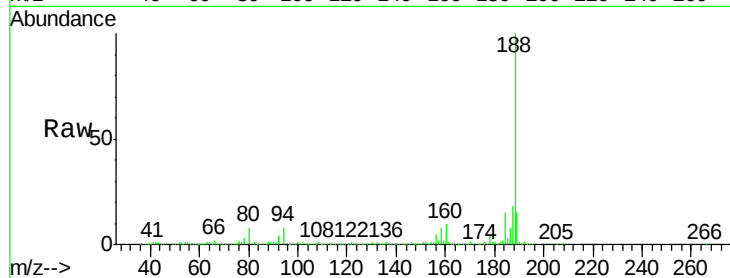
Tgt Ion:188 Resp: 933251

Ion Ratio Lower Upper

188 100

94 8.0 9.8 14.8#

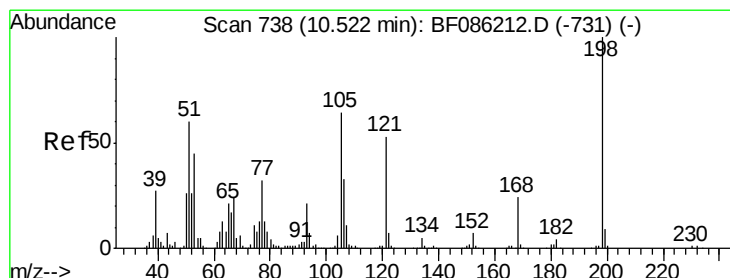
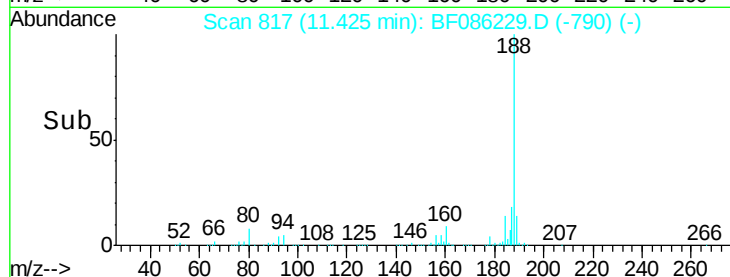
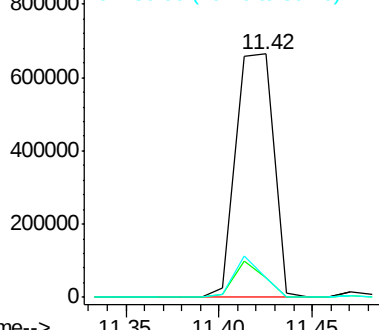
80 8.3 10.5 15.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 64.51 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

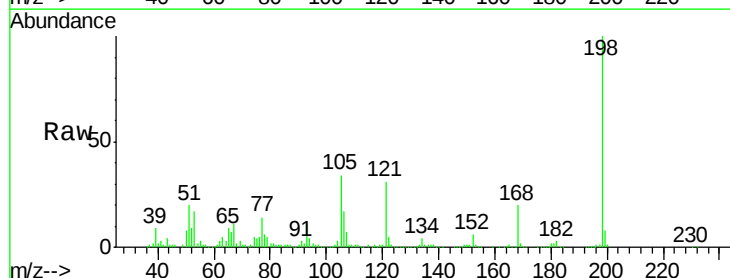
Tgt Ion:198 Resp: 286527

Ion Ratio Lower Upper

198 100

51 19.7 56.5 96.5#

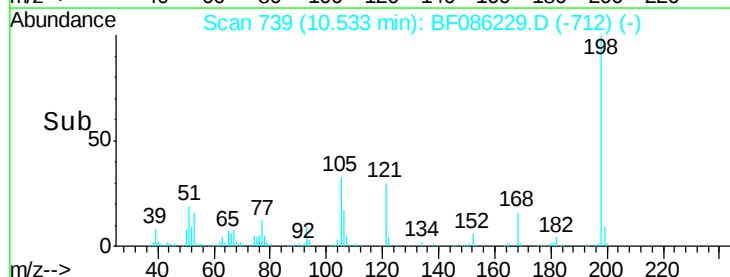
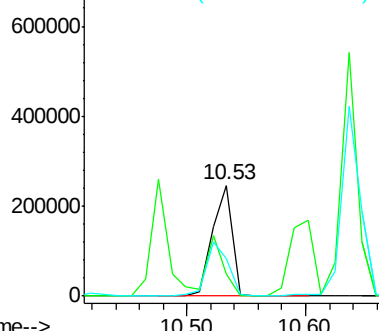
105 34.1 48.0 88.0#

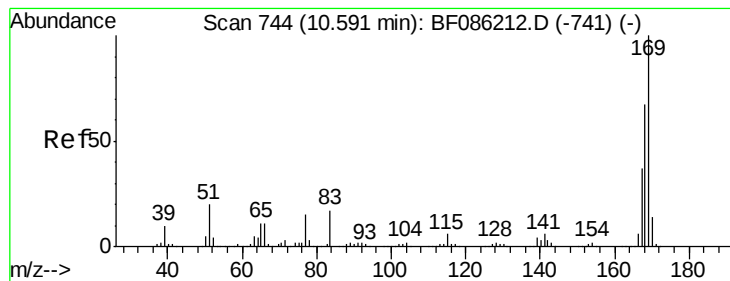


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

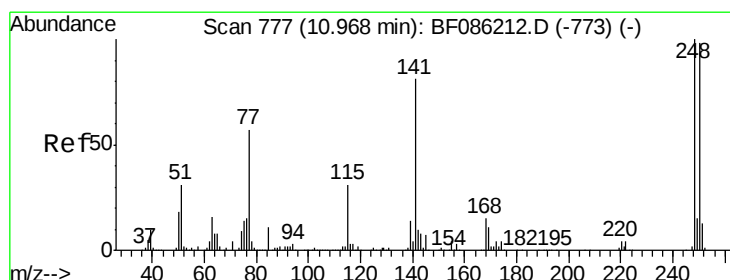
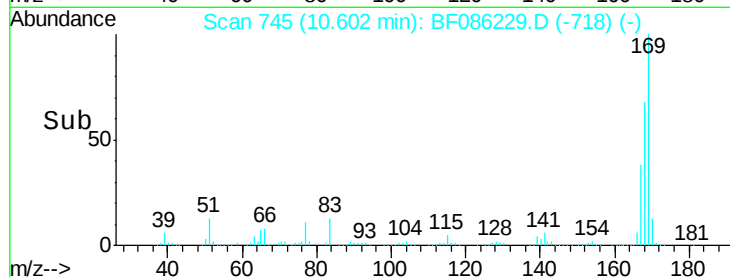
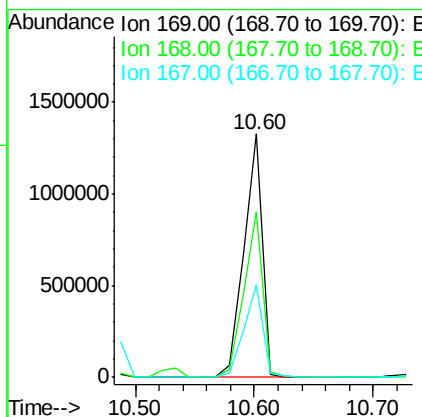
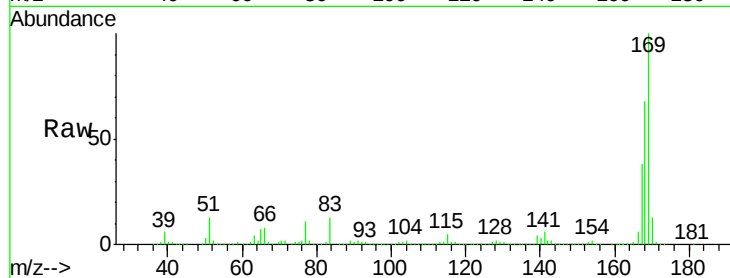




#65
 n-Nitrosodiphenylamine
 Concen: 50.16 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

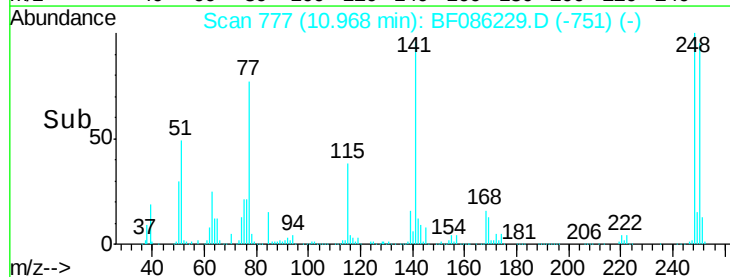
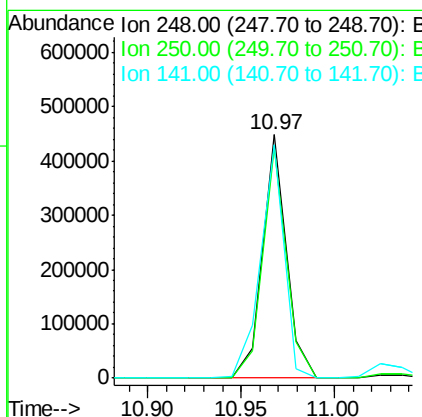
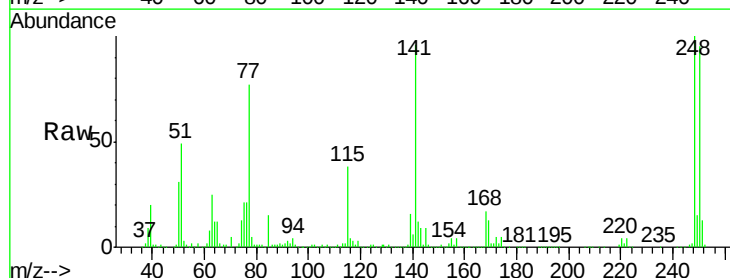
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

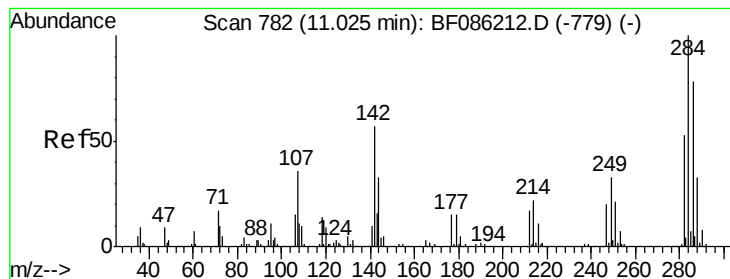
Tgt Ion:169 Resp: 1433546
 Ion Ratio Lower Upper
 169 100
 168 68.1 54.3 81.5
 167 38.3 30.2 45.2



#66
 4-Bromophenyl-phenylether
 Concen: 45.22 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:248 Resp: 393274
 Ion Ratio Lower Upper
 248 100
 250 94.9 78.6 118.0
 141 96.1 57.9 86.9#





#67

Hexachlorobenzene

Concen: 50.85 ng

RT: 11.04 min Scan# 783

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

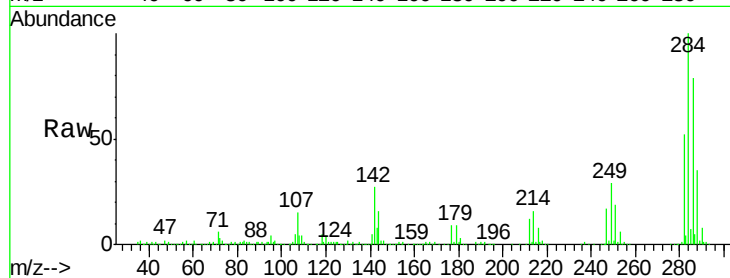
Tgt Ion:284 Resp: 463454

Ion Ratio Lower Upper

284 100

142 27.1 42.6 64.0#

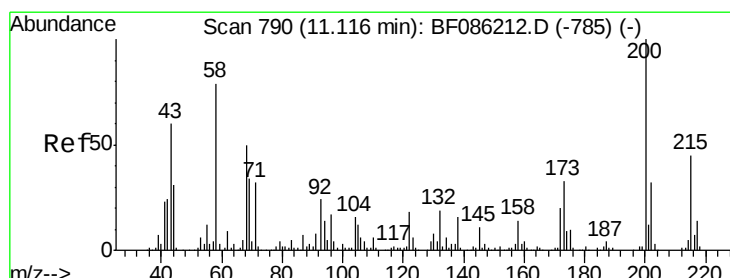
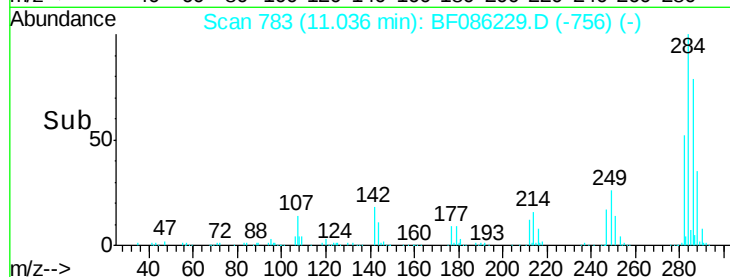
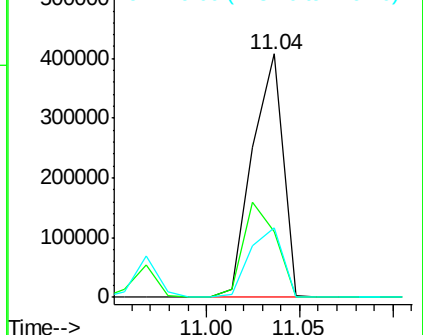
249 28.5 25.9 38.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 42.57 ng

RT: 11.13 min Scan# 791

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

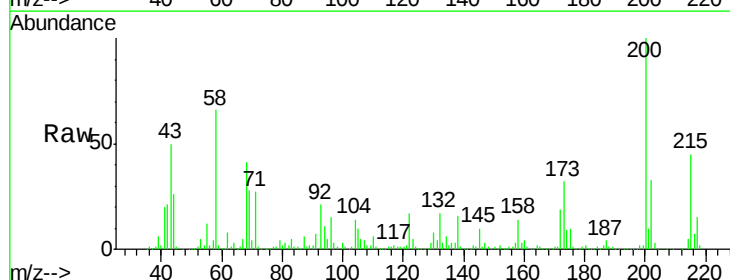
Tgt Ion:200 Resp: 372875

Ion Ratio Lower Upper

200 100

173 31.6 11.2 51.2

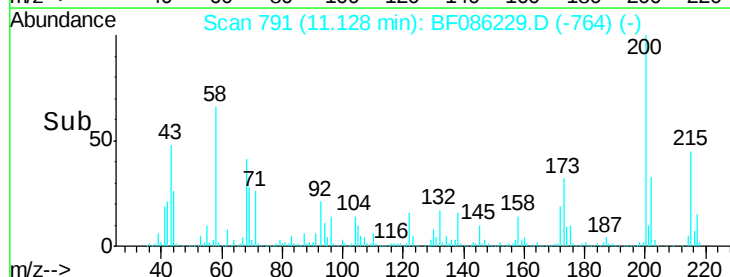
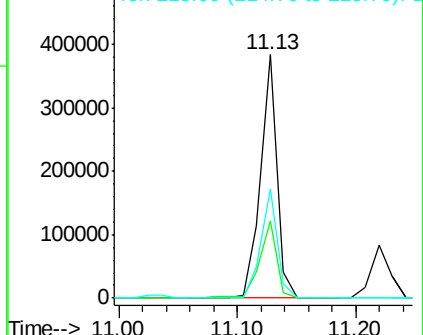
215 44.8 24.0 64.0

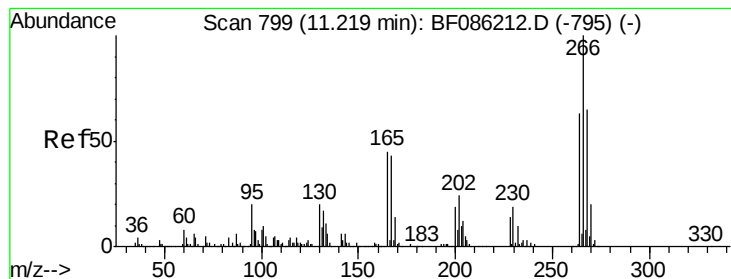


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 87.53 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

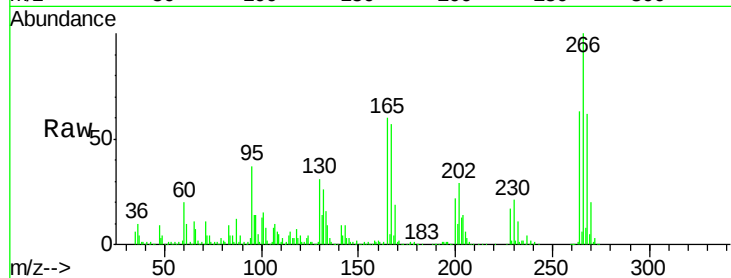
Tgt Ion:266 Resp: 483770

Ion Ratio Lower Upper

266 100

268 62.0 53.0 79.4

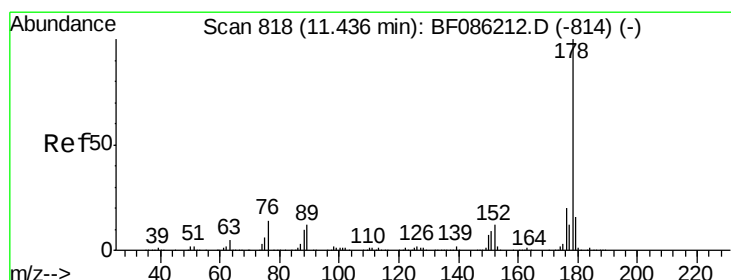
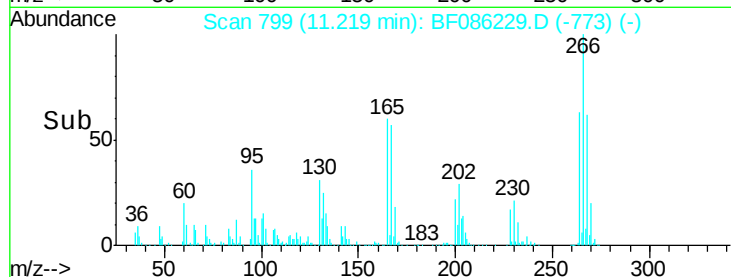
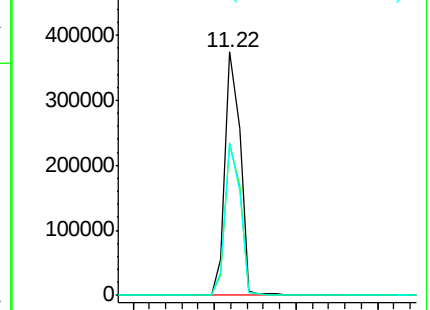
264 62.8 51.3 76.9



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: 49.45 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

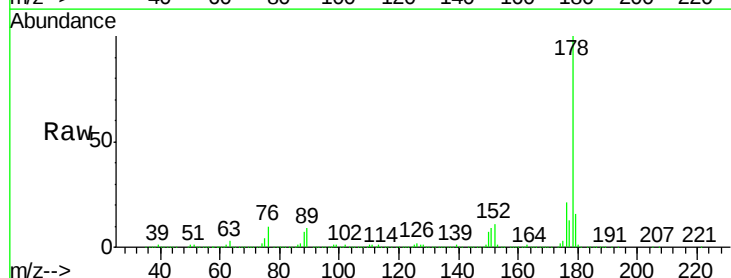
Tgt Ion:178 Resp: 2204061

Ion Ratio Lower Upper

178 100

176 20.7 16.3 24.5

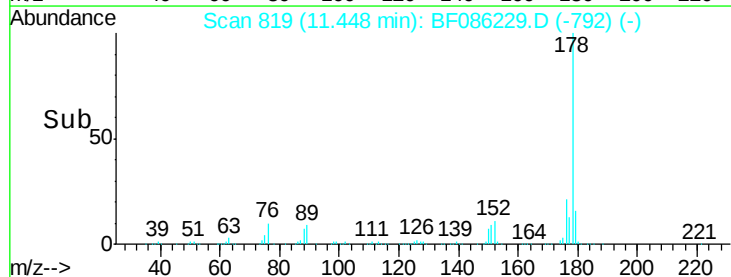
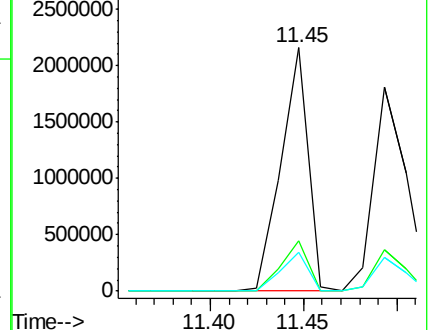
179 15.9 13.0 19.6

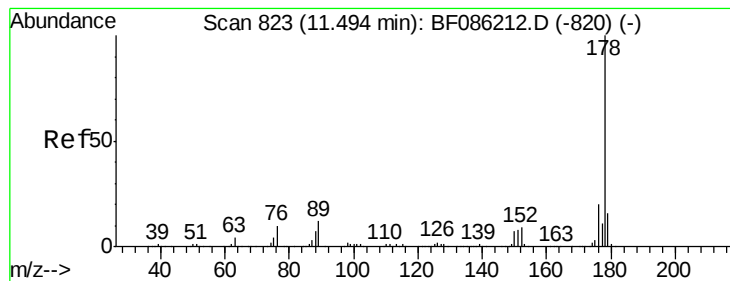


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 56.14 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

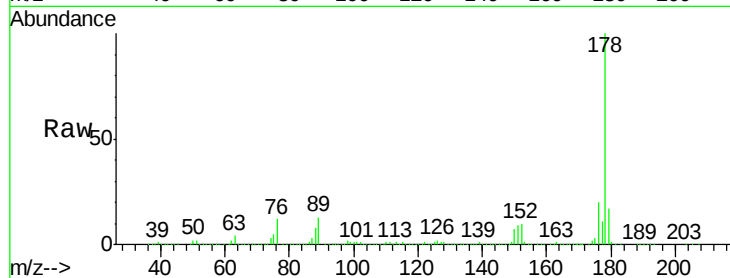
Tgt Ion:178 Resp: 2107867

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

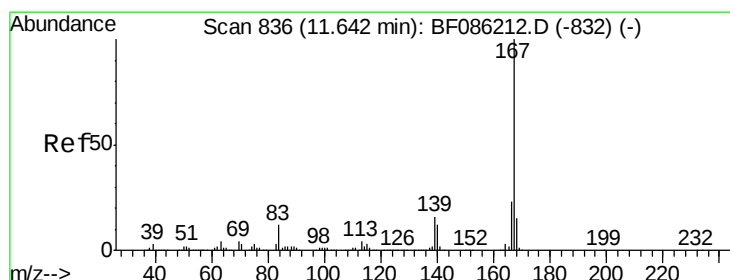
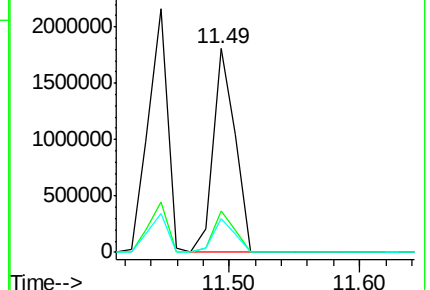
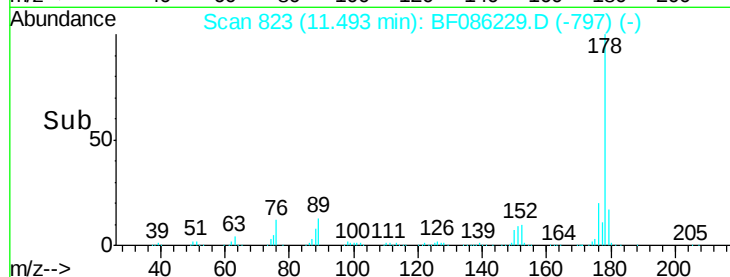
179 16.6 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 51.84 ng

RT: 11.65 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

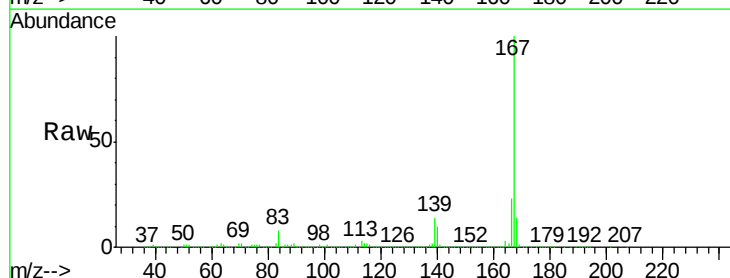
Tgt Ion:167 Resp: 2197401

Ion Ratio Lower Upper

167 100

166 22.9 18.3 27.5

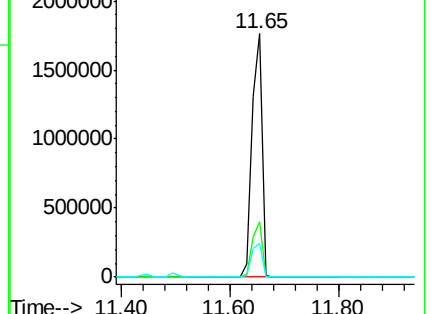
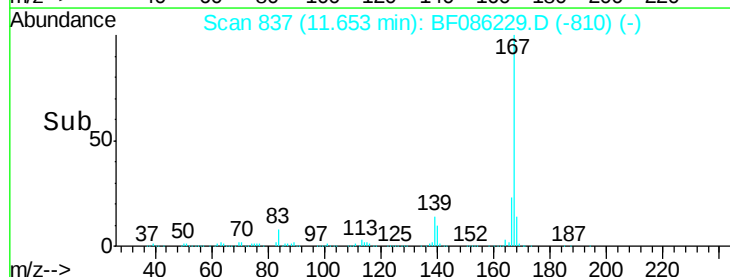
139 13.7 12.3 18.5

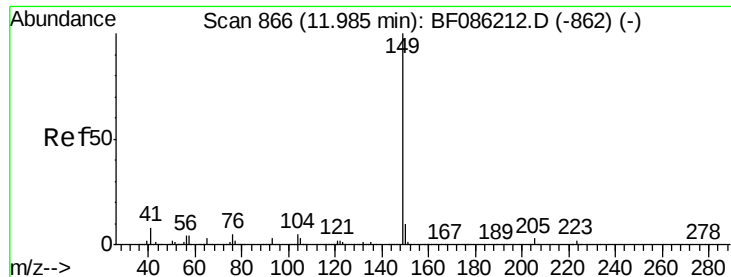


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.17 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

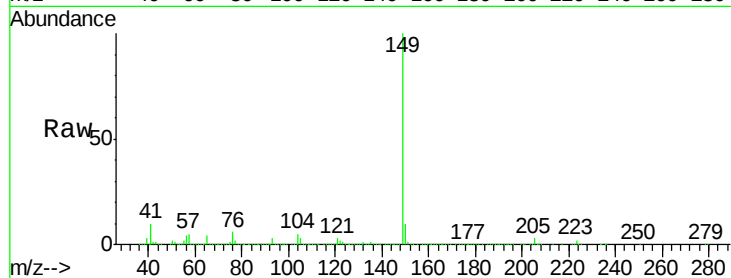
Tgt Ion:149 Resp: 2417133

Ion Ratio Lower Upper

149 100

150 10.1 7.8 11.8

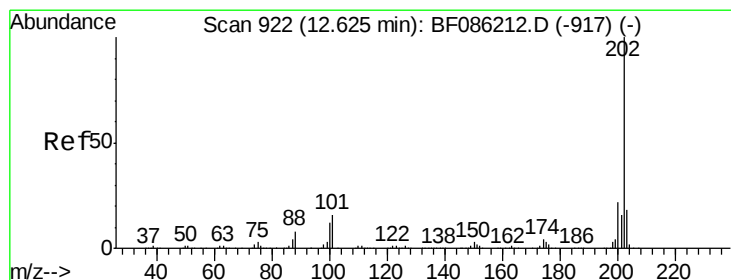
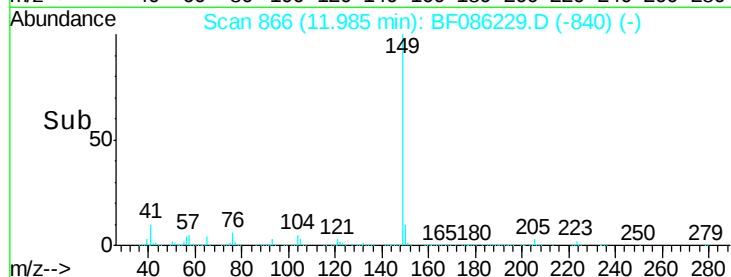
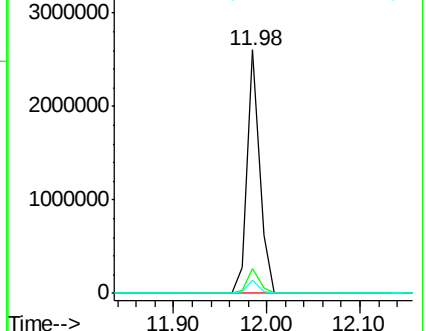
104 5.5 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 54.00 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

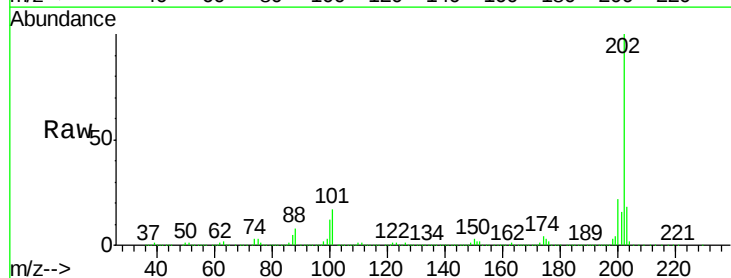
Tgt Ion:202 Resp: 2028604

Ion Ratio Lower Upper

202 100

101 16.6 0.0 35.2

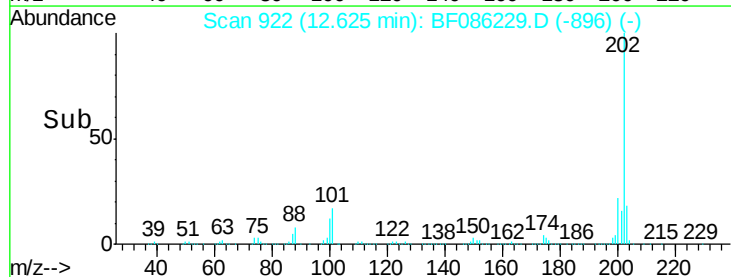
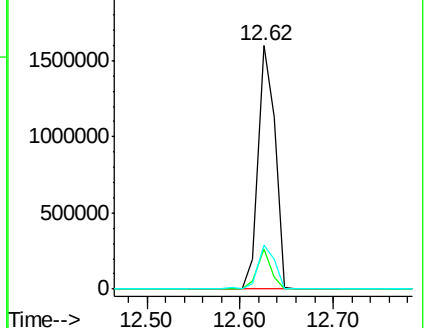
203 18.2 0.0 38.2

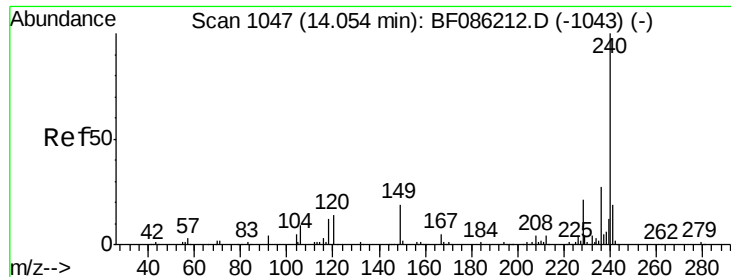


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

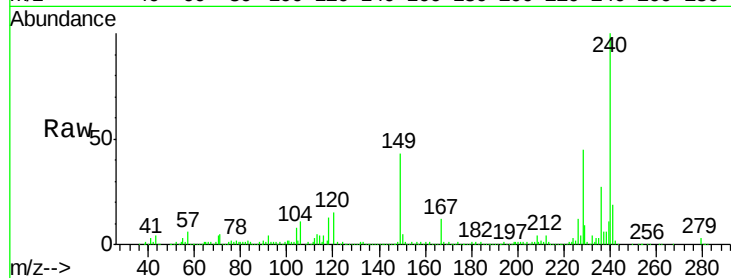
Tgt Ion:240 Resp: 474675

Ion Ratio Lower Upper

240 100

120 14.8 9.3 13.9#

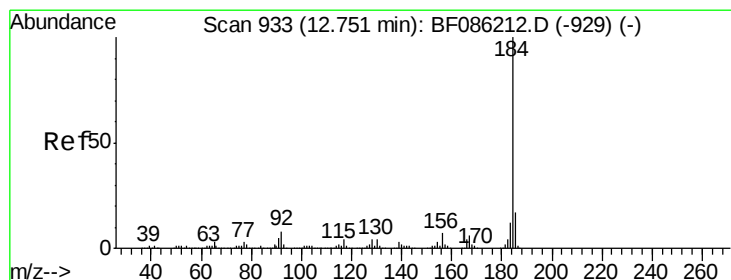
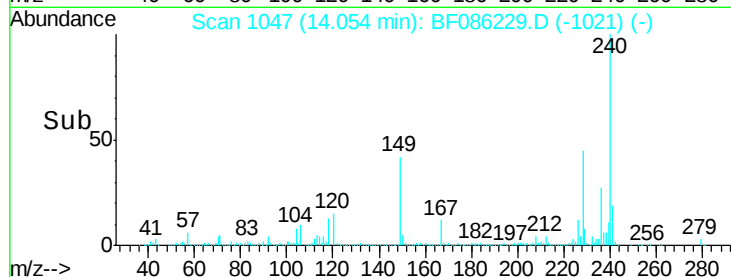
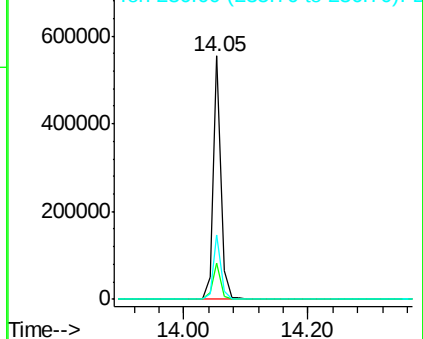
236 26.5 21.1 31.7



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: 4.59 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

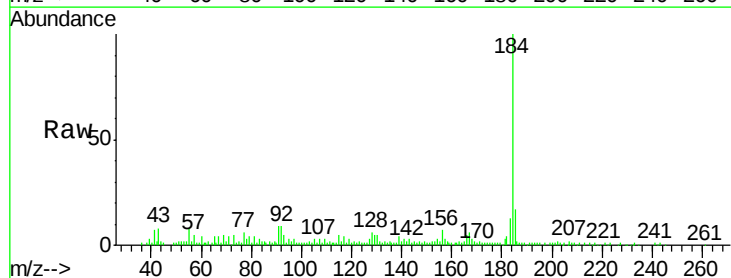
Tgt Ion:184 Resp: 84539

Ion Ratio Lower Upper

184 100

185 17.4 14.2 21.2

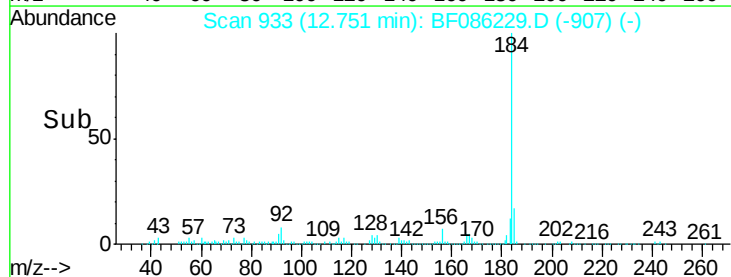
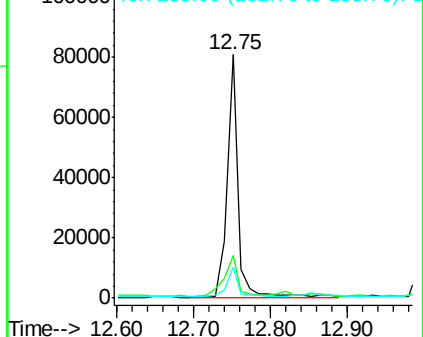
183 12.8 9.8 14.6

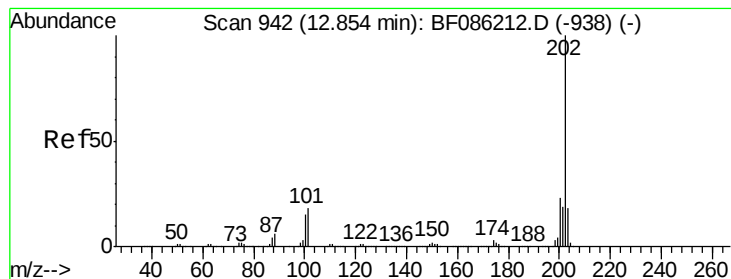


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 53.87 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

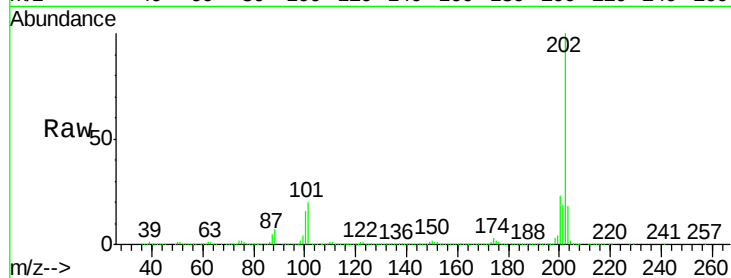
Tgt Ion:202 Resp: 1961830

Ion Ratio Lower Upper

202 100

200 22.5 18.3 27.5

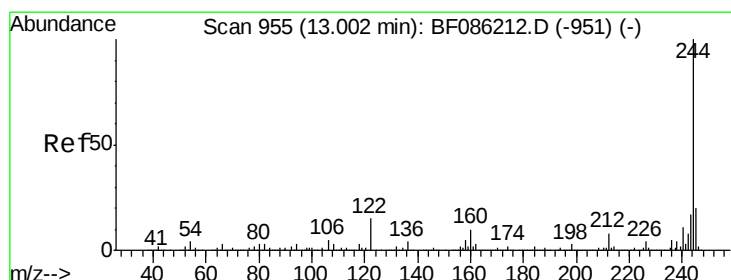
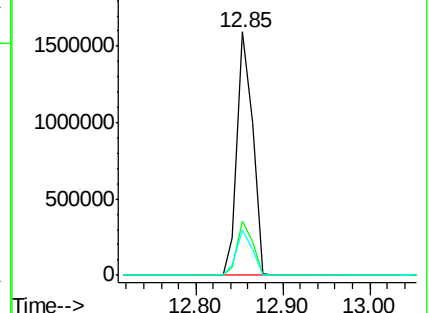
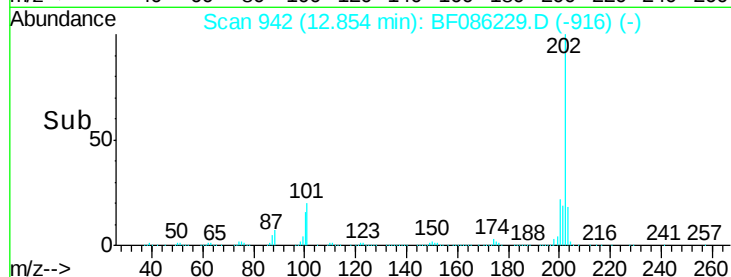
203 18.5 14.9 22.3



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: 92.95 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

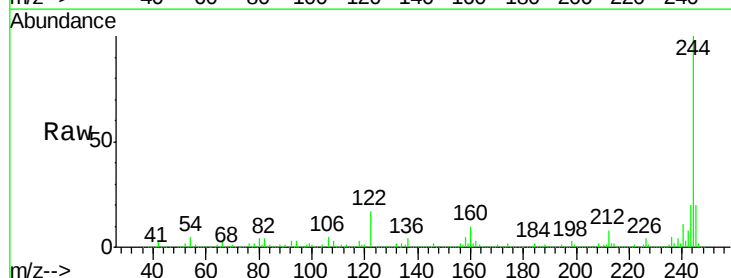
Tgt Ion:244 Resp: 1754586

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

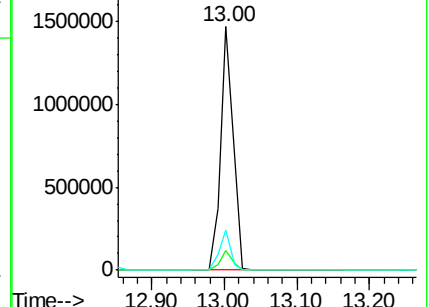
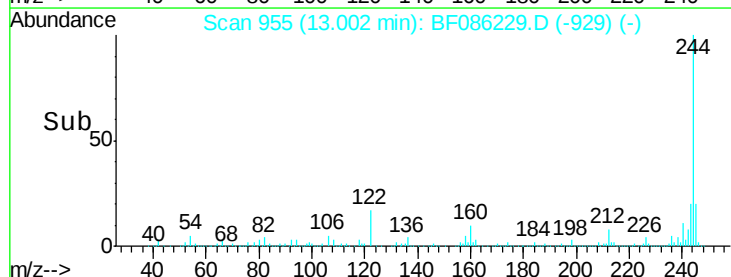
122 16.7 11.7 17.5

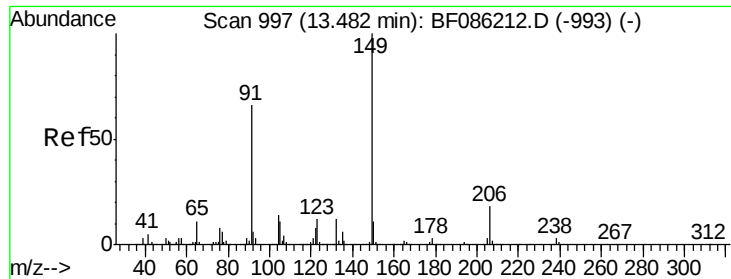


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 58.41 ng

RT: 13.48 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

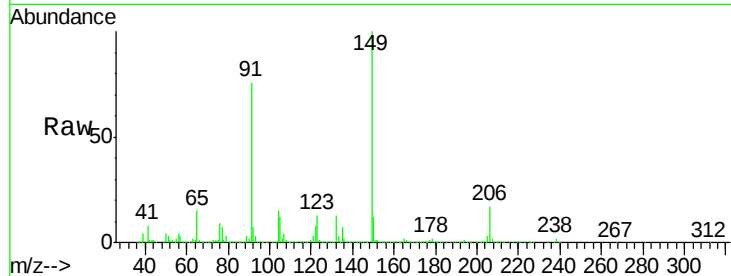
Tgt Ion:149 Resp: 982560

Ion Ratio Lower Upper

149 100

91 75.6 48.7 73.1#

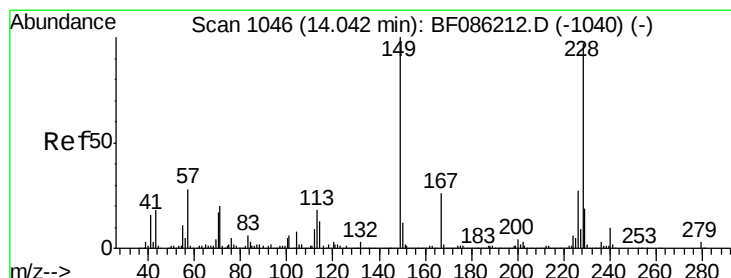
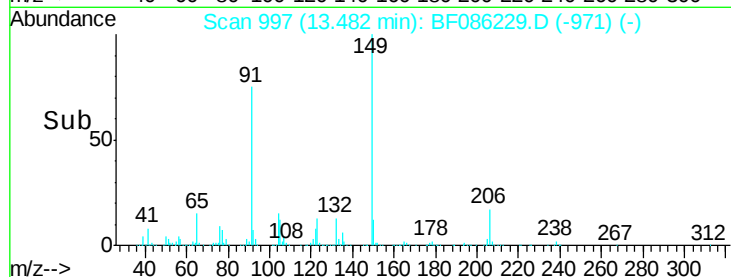
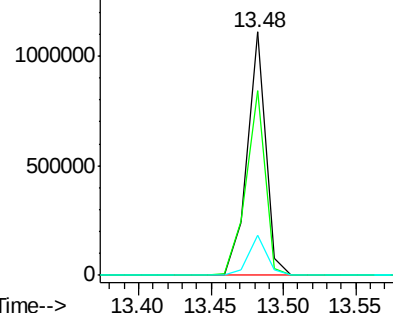
206 16.6 15.7 23.5



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: 49.07 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

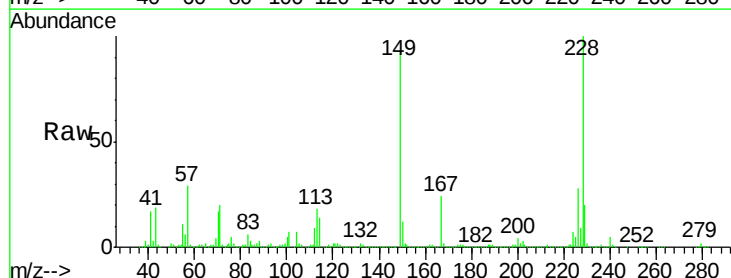
Tgt Ion:228 Resp: 1278631

Ion Ratio Lower Upper

228 100

226 28.1 22.5 33.7

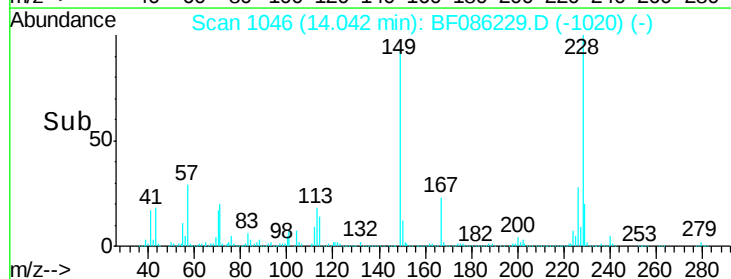
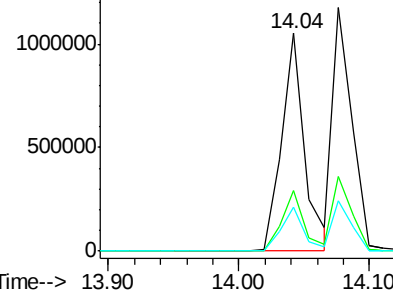
229 20.1 16.2 24.2

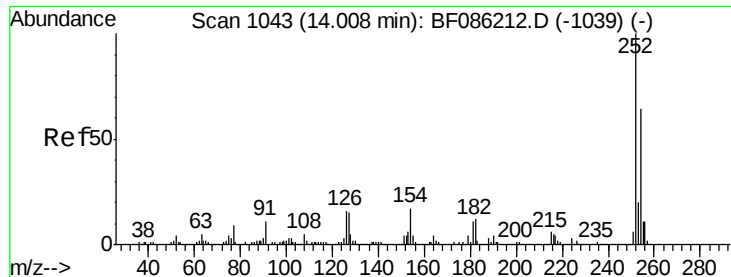


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

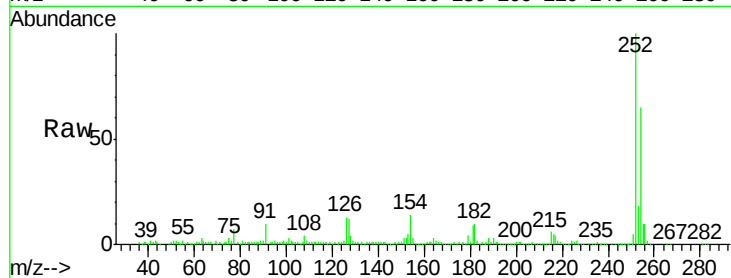




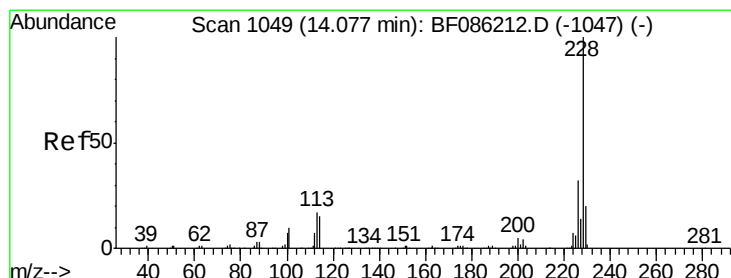
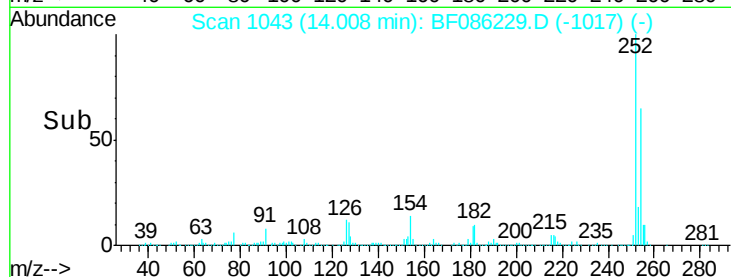
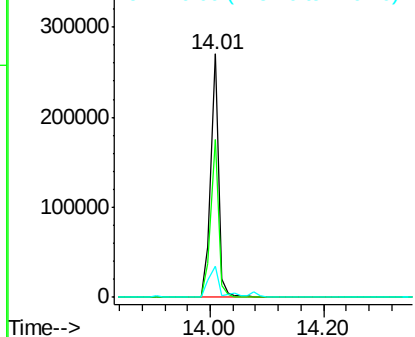
#81
 3,3'-Dichlorobenzidine
 Concen: 16.55 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

Tgt Ion:252 Resp: 249984
 Ion Ratio Lower Upper
 252 100
 254 65.0 52.1 78.1
 126 12.6 13.2 19.8#

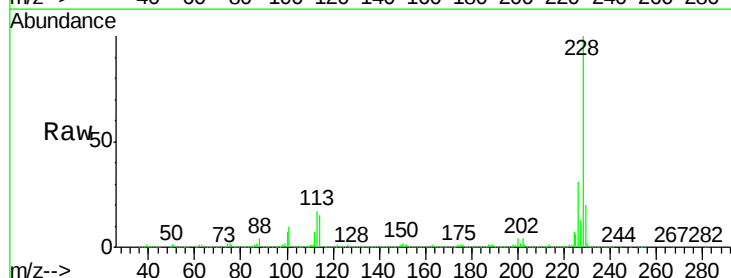


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

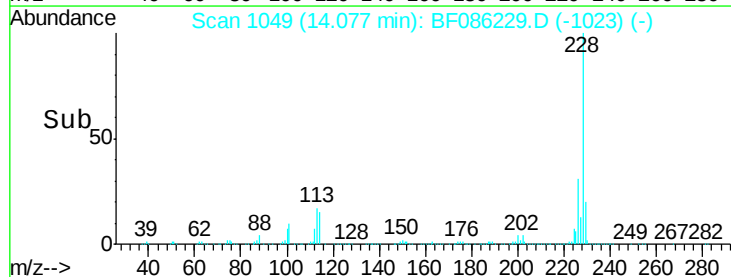
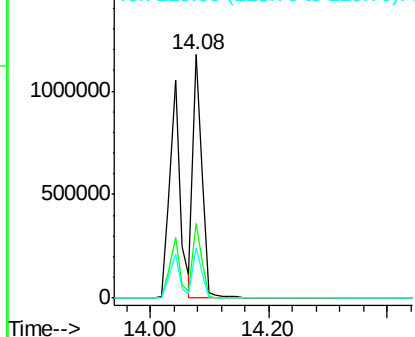


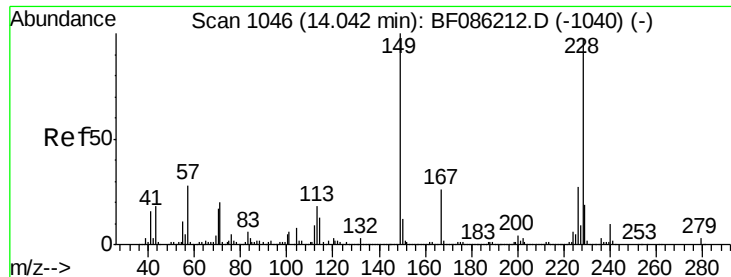
#82
 Chrysene
 Concen: 44.87 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:228 Resp: 1246557
 Ion Ratio Lower Upper
 228 100
 226 30.8 25.4 38.2
 229 20.5 16.5 24.7



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

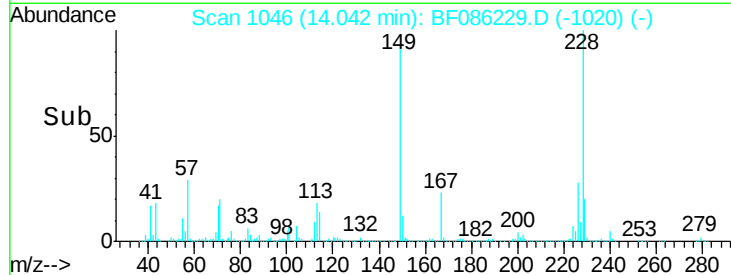
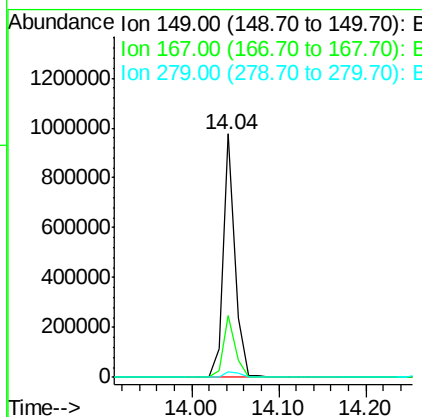
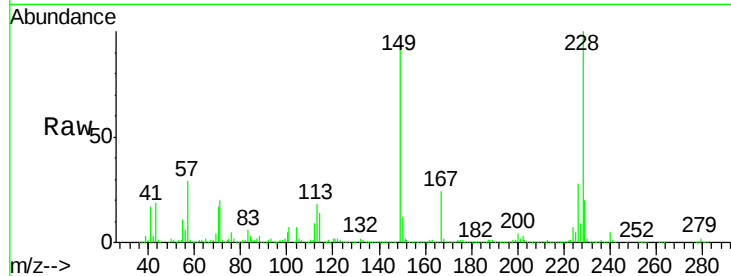




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.60 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

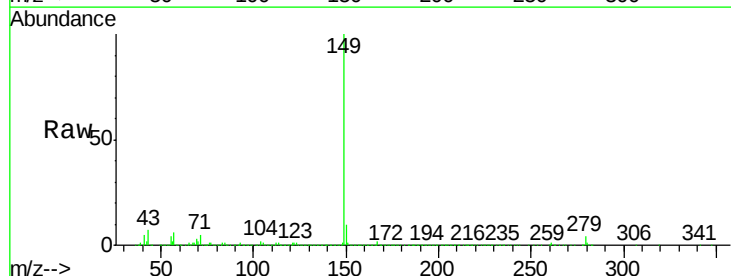
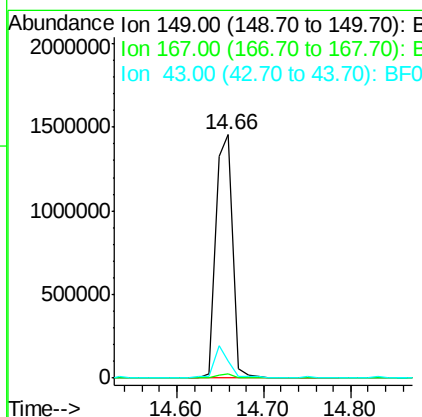
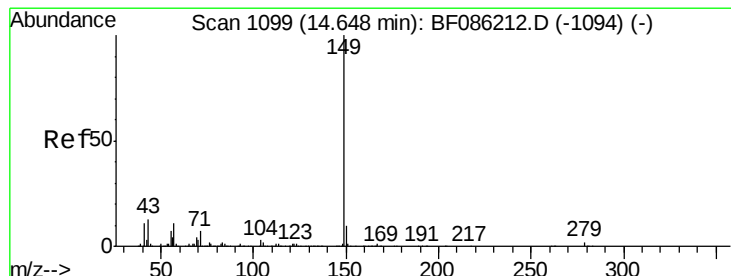
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

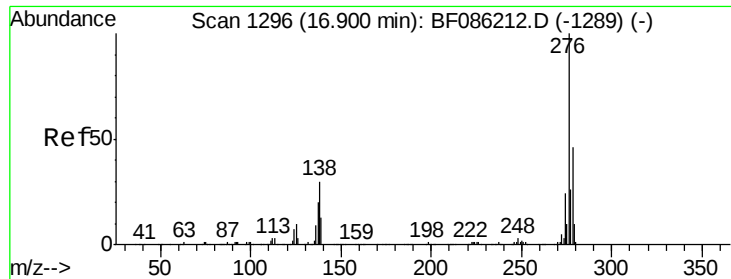
Tgt Ion:	149	Resp:	919139
Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.4
279	2.4	2.4	3.6#



#84
 Di-n-octyl phthalate
 Concen: 56.67 ng
 RT: 14.66 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:	149	Resp:	1984111
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.6	9.1	13.7

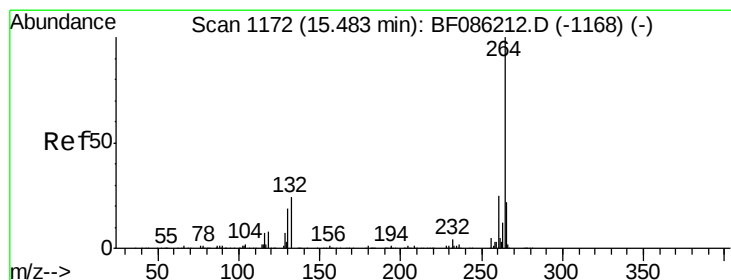
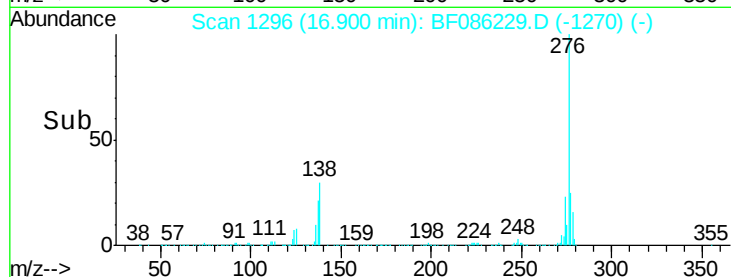
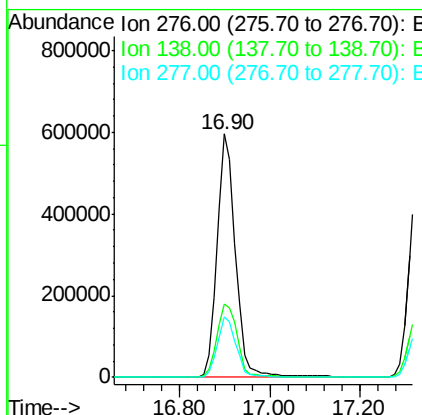
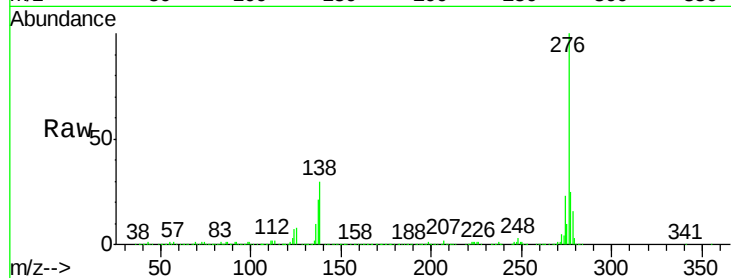




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 74.45 ng
 RT: 16.90 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

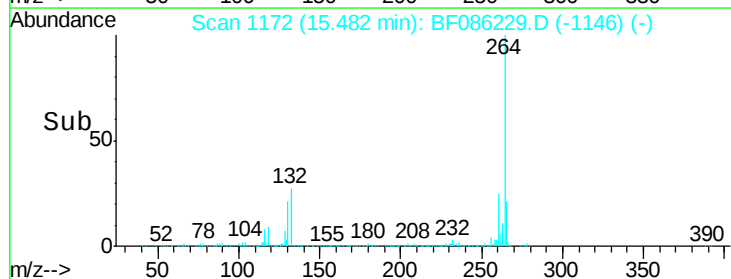
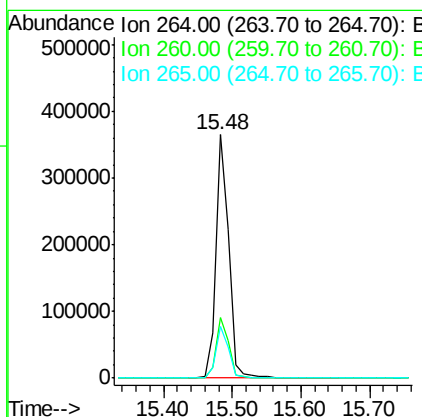
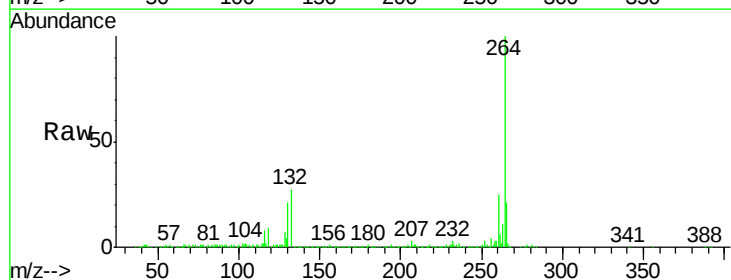
Instrument :
 BNA_F
 ClientSampleId :
 H2402-04MSMSD

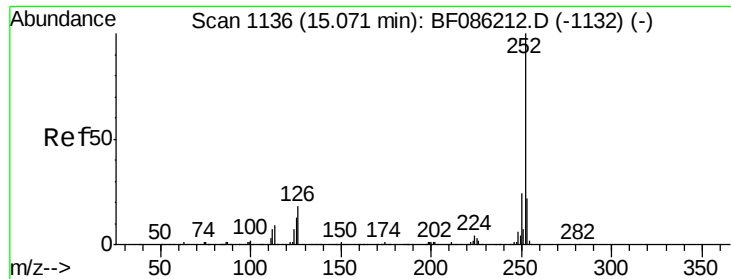
Tgt Ion:276 Resp: 1700229
 Ion Ratio Lower Upper
 276 100
 138 33.7 23.8 35.6
 277 25.5 20.2 30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: BF086229.D
 Acq: 15 Apr 2016 21:13

Tgt Ion:264 Resp: 479697
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.0 30.0
 265 21.4 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 88.05 ng

RT: 15.11 min Scan# 1139

Delta R.T. 0.03 min

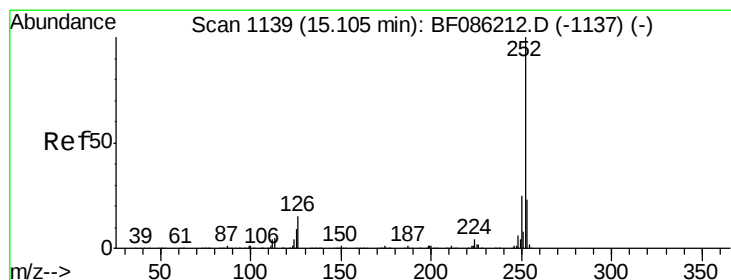
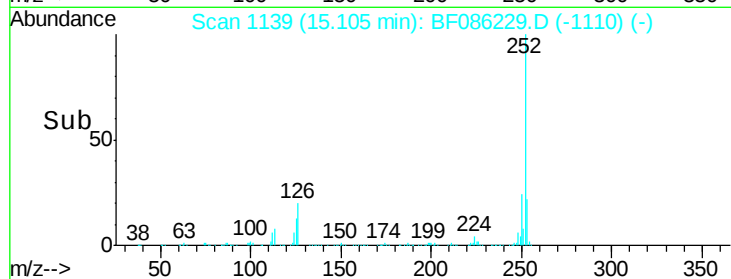
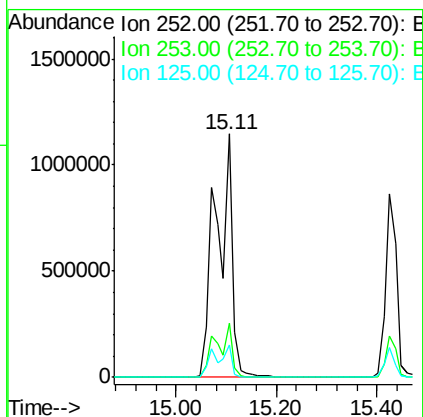
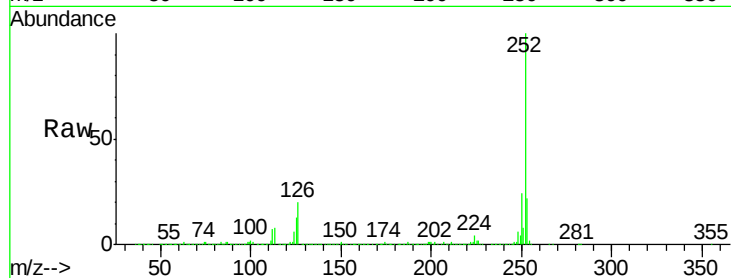
Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :
BNA_F
ClientSampleId :
H2402-04MSMSD

Tgt Ion: 252 Resp: 2605768

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	13.4	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 96.60 ng

RT: 15.11 min Scan# 1139

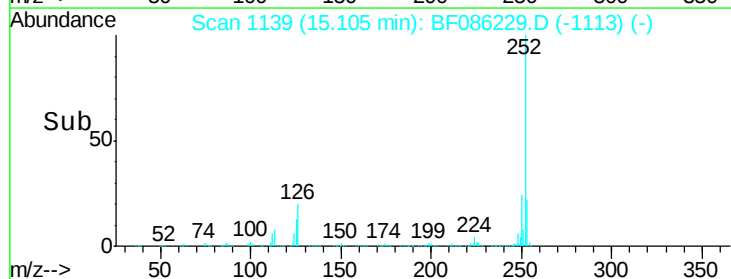
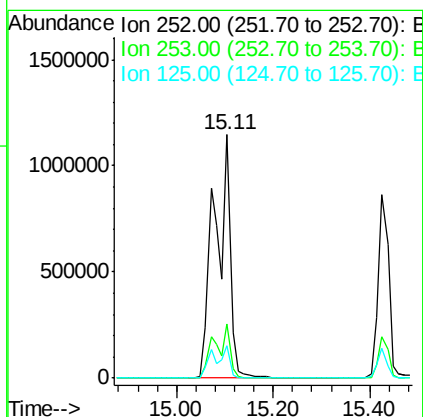
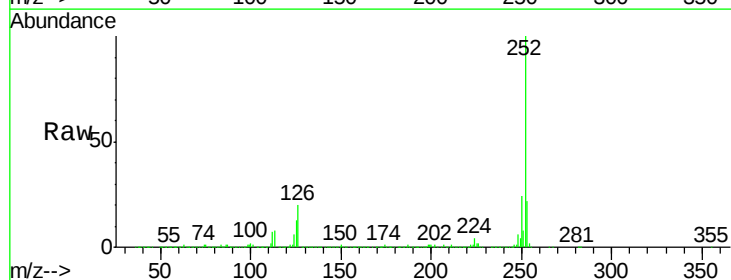
Delta R.T. -0.00 min

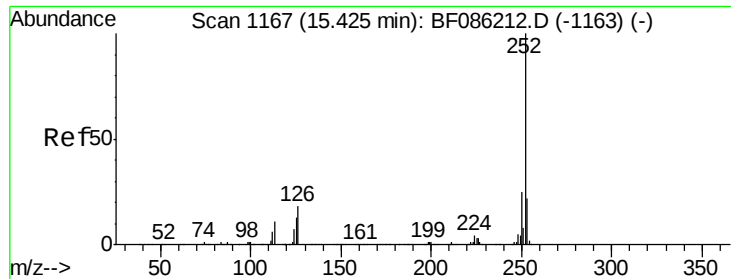
Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Tgt Ion: 252 Resp: 2606632

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.4	7.8	11.6





#89

Benzo(a)pyrene

Concen: 51.39 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

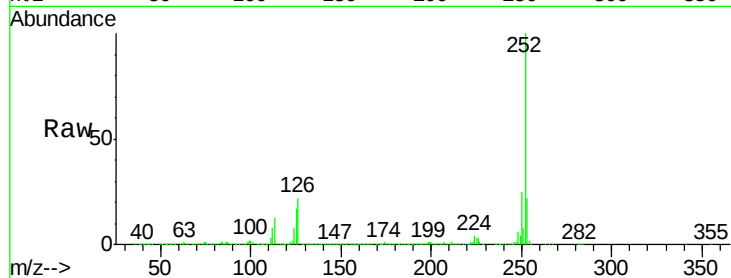
Tgt Ion:252 Resp: 1317528

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

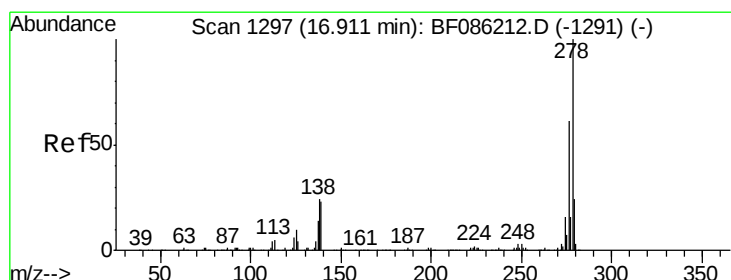
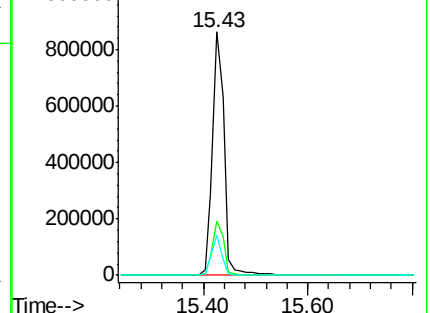
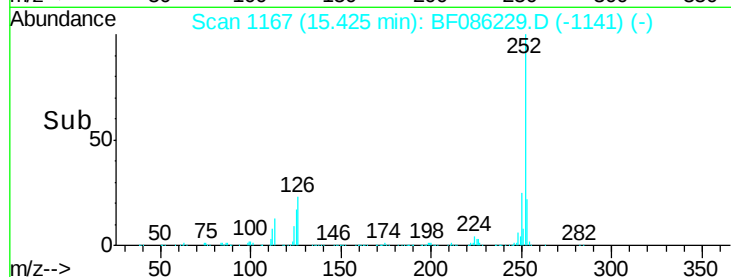
125 16.6 11.2 16.8



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: 60.87 ng

RT: 16.92 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

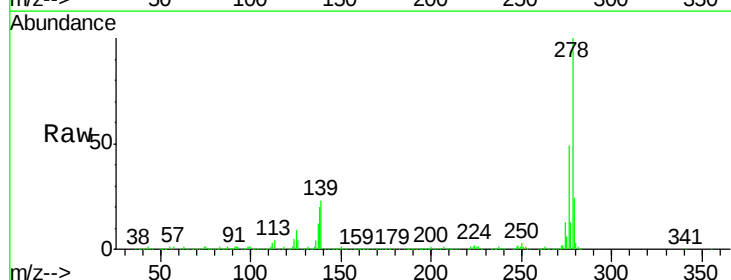
Tgt Ion:278 Resp: 1379055

Ion Ratio Lower Upper

278 100

139 23.4 15.3 22.9#

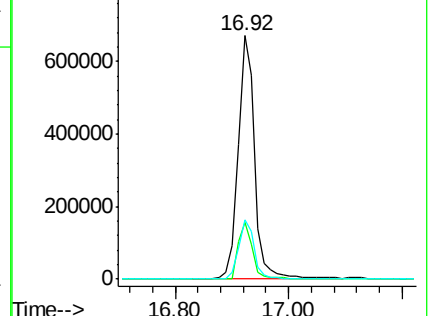
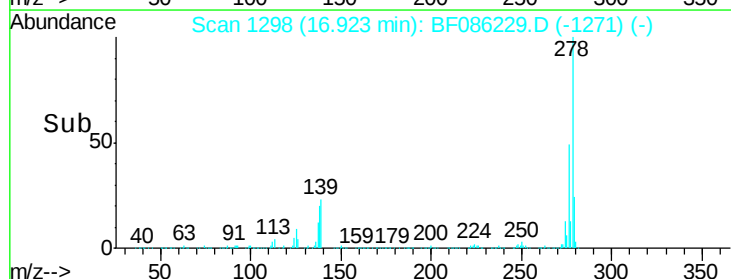
279 24.3 19.1 28.7

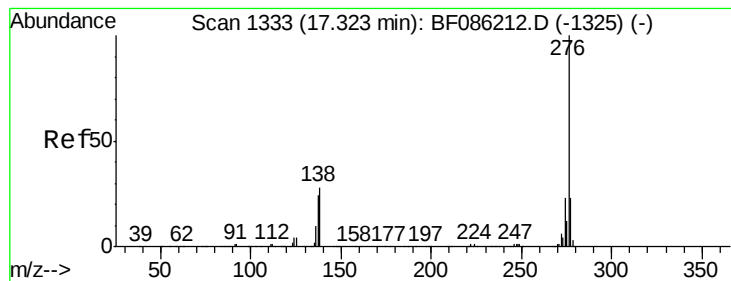


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 63.14 ng

RT: 17.33 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BF086229.D

Acq: 15 Apr 2016 21:13

Instrument :

BNA_F

ClientSampleId :

H2402-04MSMSD

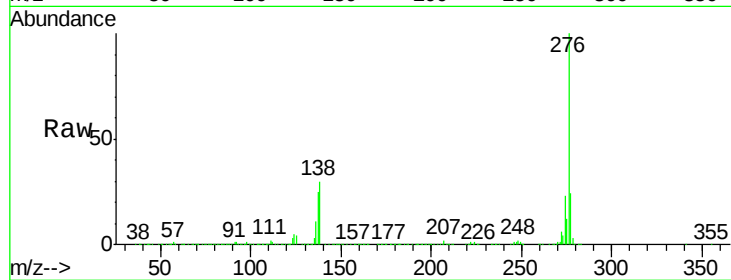
Tgt Ion:276 Resp: 1521077

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 29.9 19.6 29.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

