

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
 Data File : BF089175.D
 Acq On : 21 Jul 2016 12:43
 Operator : UM/SJ
 Sample : H4112-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 21 16:07:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	47516	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	140214	20.00	ng	0.02
38) Acenaphthene-d10	9.66	164	73549	20.00	ng	0.02
63) Phenanthrene-d10	11.12	188	148662	20.00	ng	0.01
75) Chrysene-d12	13.73	240	97890	20.00	ng	0.00
86) Perylene-d12	15.06	264	91198	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	351535	112.52	ng	0.00
7) Phenol-d6	6.26	99	463434	115.03	ng	-0.01
23) Nitrobenzene-d5	7.18	82	311727	118.13	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	66307	100.13	ng	0.02
44) 2-Fluorobiphenyl	8.99	172	427079	80.01	ng	0.02
78) Terphenyl-d14	12.69	244	335091	74.25	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.15	77	25213	9.76	ng	# 1
15) Benzyl Alcohol	6.76	79	19323	6.55	ng	# 50
18) Hexachloroethane	7.12	117	82771	57.11	ng	# 1
19) n-Nitroso-di-n-propylamine	7.04	70	47279	17.94	ng	# 79
22) Acetophenone	7.10	105	88752	23.70	ng	# 30
24) Nitrobenzene	7.27	77	23540	8.46	ng	# 57
25) Isophorone	7.44	82	113162	23.27	ng	# 1
26) 2-Nitrophenol	7.59	139	32750	25.23	ng	# 1
27) 2,4-Dimethylphenol	7.56	122	23393	10.70	ng	# 1
28) bis(2-Chloroethoxy)methane	7.66	93	58779	19.32	ng	# 1
29) 2,4-Dichlorophenol	7.77	162	13206	6.70	ng	# 1
30) 1,2,4-Trichlorobenzene	7.80	180	8383	3.84	ng	# 79
31) Naphthalene	7.91	128	75564	9.99	ng	# 1
32) Benzoic acid	7.71	122	12554	7.46	ng	# 1
33) 4-Chloroaniline	7.96	127	37358	11.74	ng	# 1
35) Caprolactam	8.38	113	174215	284.62	ng	# 31
36) 4-Chloro-3-methylphenol	8.44	107	34441	14.50	ng	# 32
37) 2-Methylnaphthalene	8.64	142	1053963	218.39	ng	# 95
42) 2,4,6-Trichlorophenol	8.92	196	5018	3.28	ng	# 11
43) 2,4,5-Trichlorophenol	8.92	196	5018	3.27	ng	# 1
47) 2-Nitroaniline	9.38	65	39044	22.61	ng	# 89
48) Acenaphthylene	9.53	152	31602	3.99	ng	# 1
49) Dimethylphthalate	9.38	163	78163	13.85	ng	# 48
50) 2,6-Dinitrotoluene	9.45	165	15913	12.49	ng	# 1
51) Acenaphthene	9.69	154	35548	7.59	ng	# 72
52) 3-Nitroaniline	9.61	138	18444	12.19	ng	# 42
53) 2,4-Dinitrophenol	9.75	184	783	9.61	ng	# 1
54) Dibenzofuran	9.86	168	47548	7.52	ng	# 19
55) 4-Nitrophenol	9.86	139	37343	40.79	ng	# 60
56) 2,4-Dinitrotoluene	9.87	165	23949	14.59	ng	# 53
57) Fluorene	10.20	166	93439	17.40	ng	# 85
61) 4-Nitroaniline	10.00	138	4273	2.90	ng	# 88
64) 4,6-Dinitro-2-methylphenol	10.30	198	2087	2.41	ng	# 1
65) n-Nitrosodiphenylamine	10.32	169	121661	24.49	ng	# 44

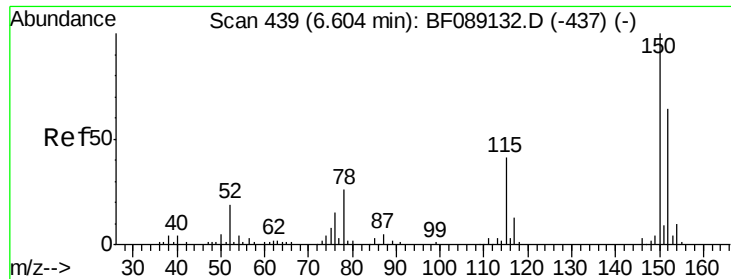
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
Data File : BF089175.D
Acq On : 21 Jul 2016 12:43
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ALS Vial : 11 Sample Multiplier: 1

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BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Phenanthrene	11.14	178	145544	17.85	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampled :

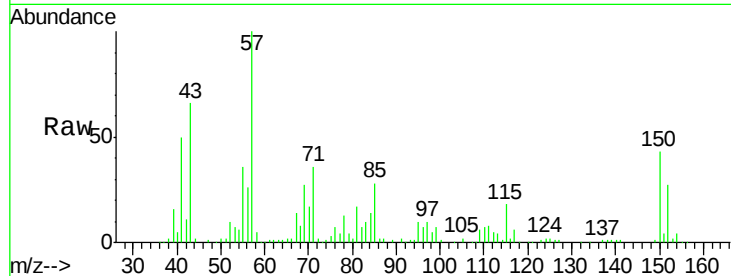
Tot Ion:152 Resp: 47516

Ion Ratio Lower Upper

152 100

150 161.5 125.1 187.7

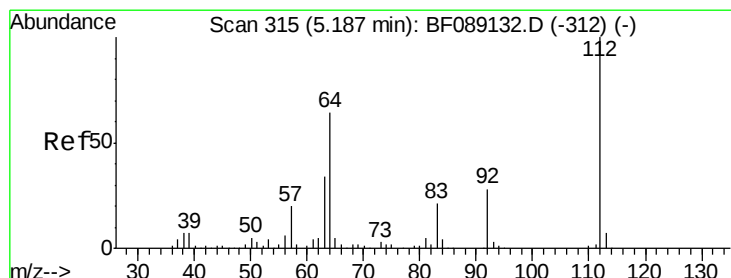
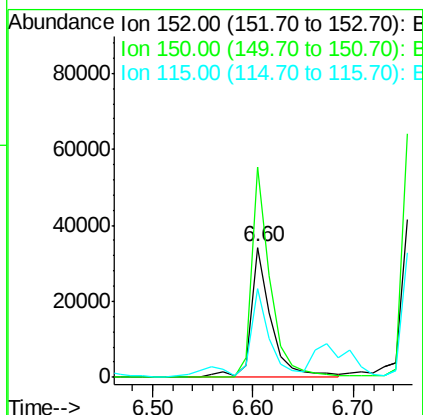
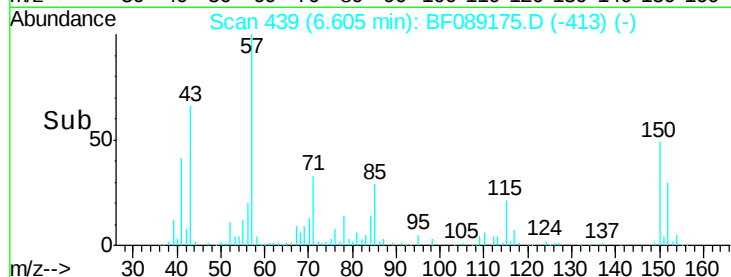
115 67.9 51.1 76.7



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



#5

2-Fluorophenol

Concen: 112.52 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

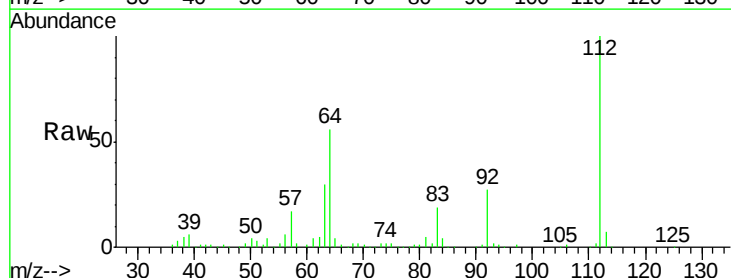
Tgt Ion:112 Resp: 351535

Ion Ratio Lower Upper

112 100

64 55.6 51.0 76.4

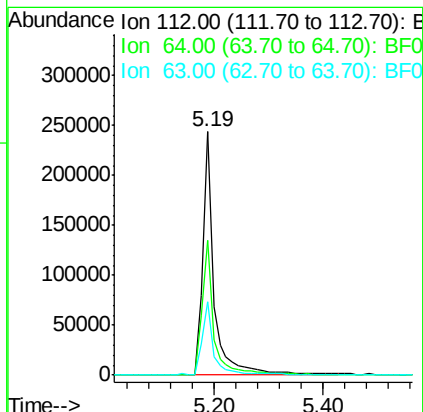
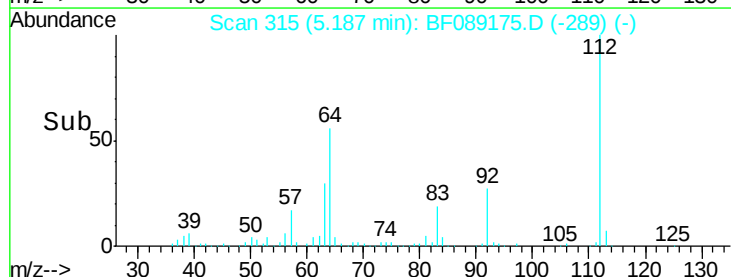
63 30.3 27.3 40.9

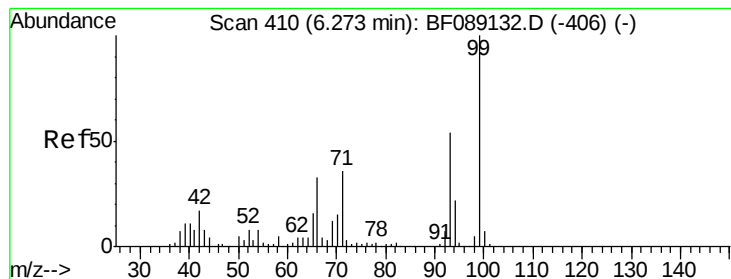


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.03 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

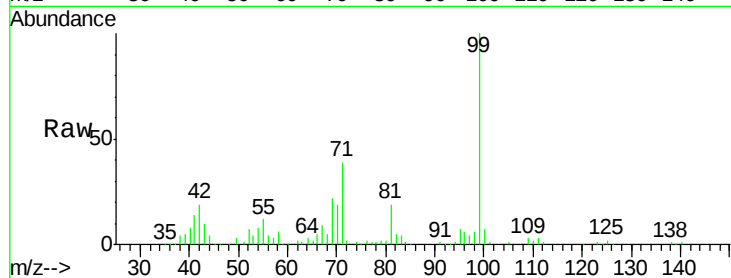
Tot Ion: 99 Resp: 463434

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

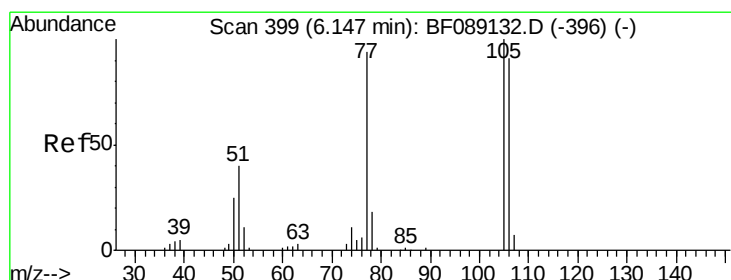
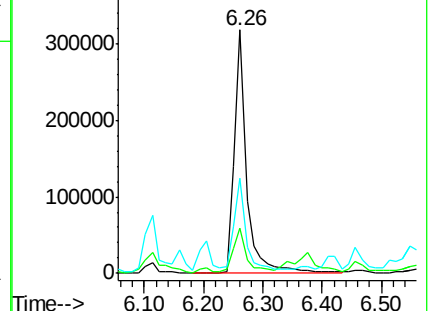
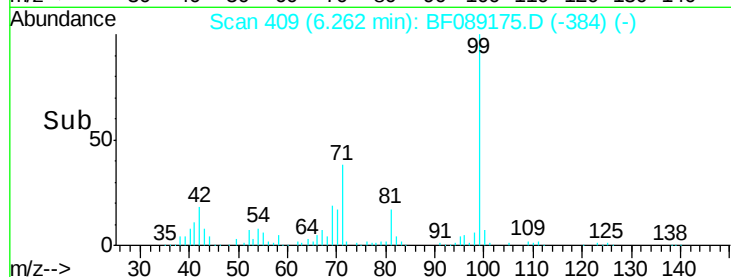
71 38.8 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 9.76 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

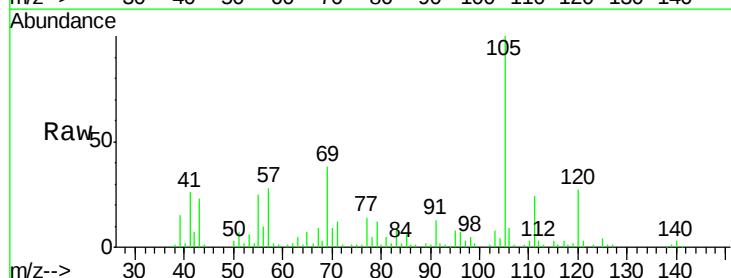
Tgt Ion: 77 Resp: 25213

Ion Ratio Lower Upper

77 100

105 730.2 86.2 126.2#

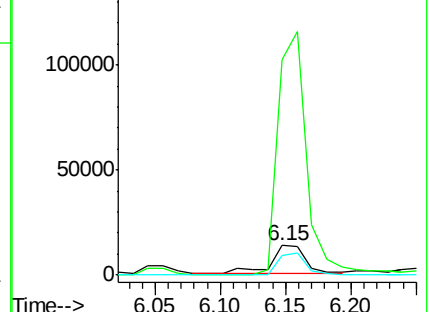
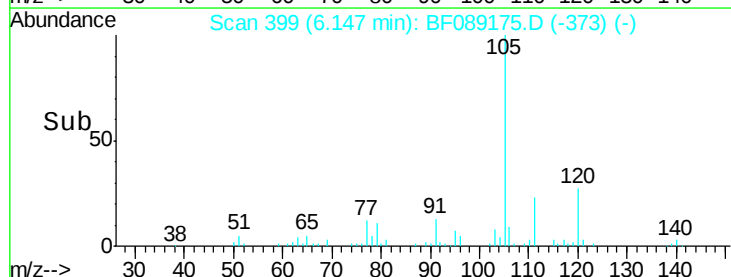
106 64.5 76.3 116.3#

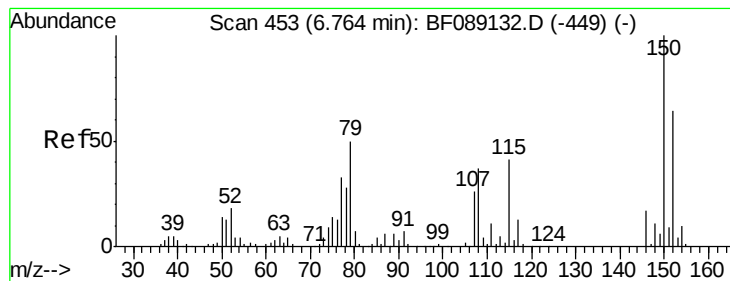


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 6.55 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampled :

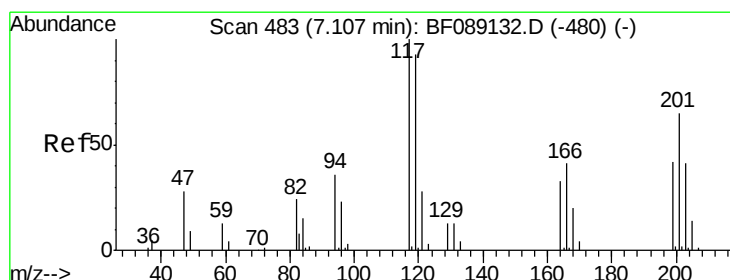
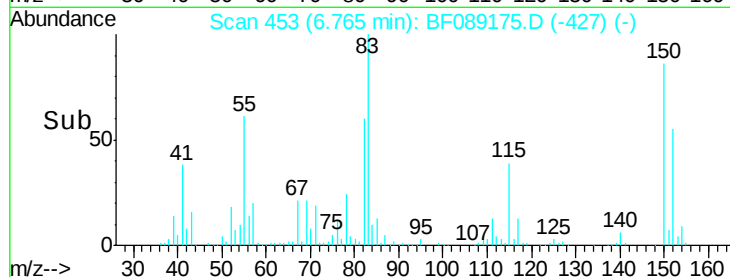
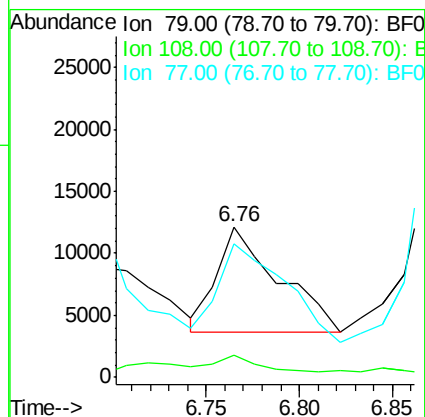
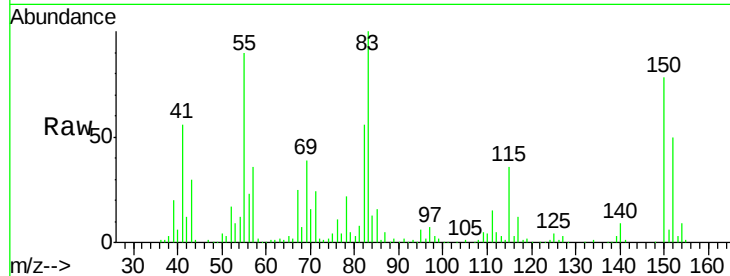
Tot Ion: 79 Resp: 19323

Ion Ratio Lower Upper

79 100

108 15.0 58.2 87.4#

77 88.8 52.2 78.4#



#18

Hexachloroethane

Concen: 57.11 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

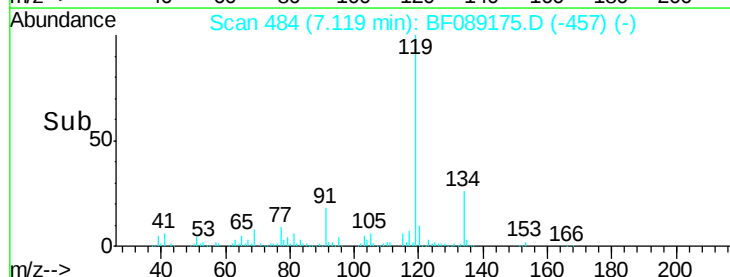
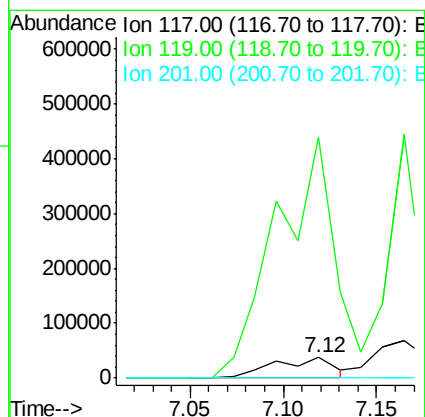
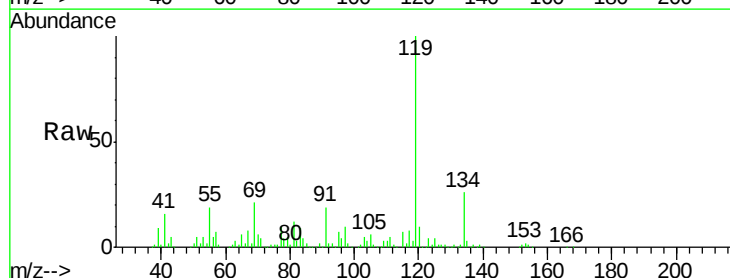
Tgt Ion: 117 Resp: 82771

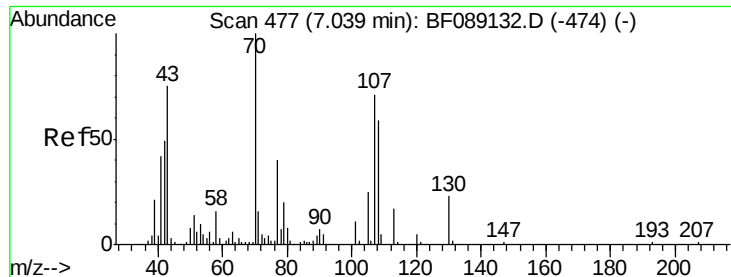
Ion Ratio Lower Upper

117 100

119 1178.3 74.5 111.7#

201 0.0 51.8 77.6#

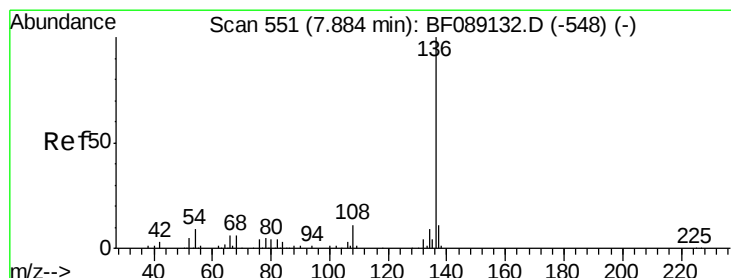
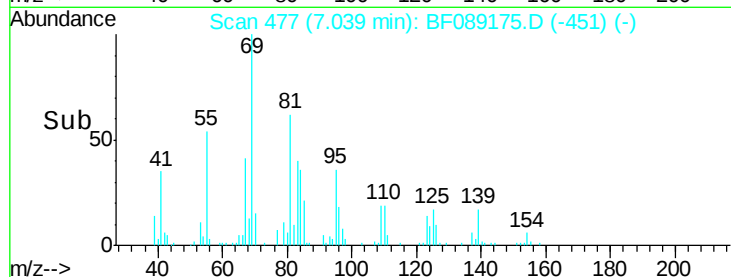
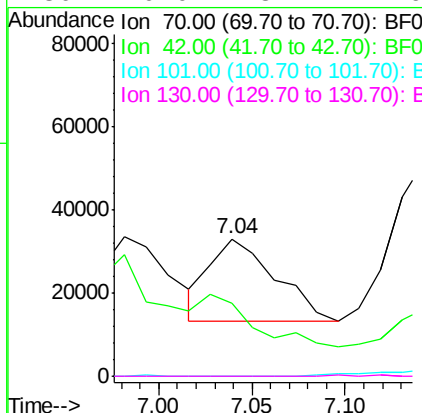
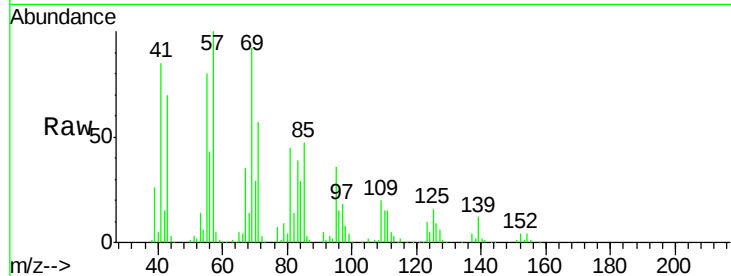




#19
n-Nitroso-di-n-propylamine
Concen: 17.94 ng
RT: 7.04 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

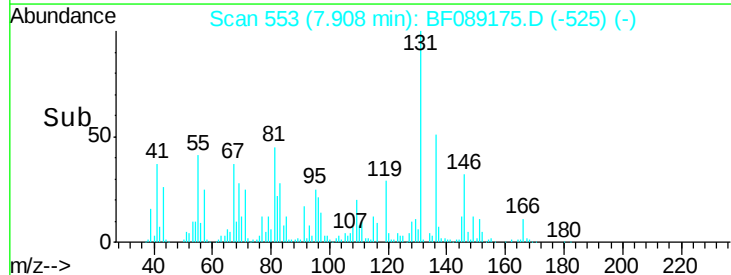
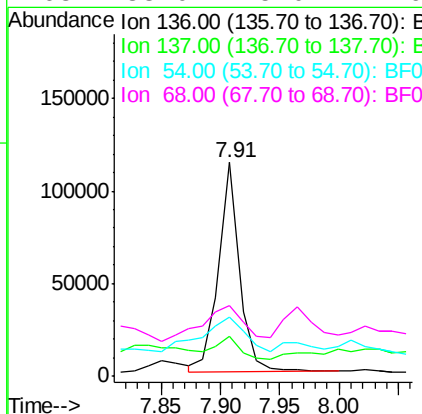
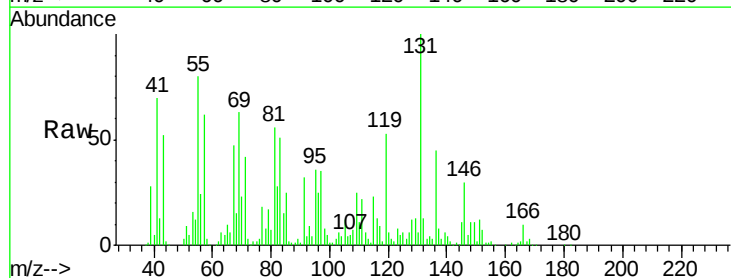
Instrument :
BNA_F
ClientSampled :

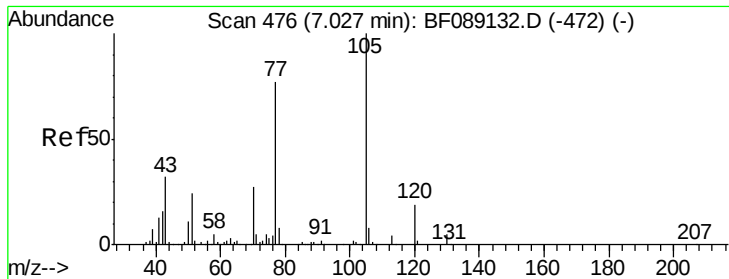
Tot Ion: 70 Resp: 47279
Ion Ratio Lower Upper
70 100
42 53.5 39.2 58.8
101 0.0 8.5 12.7#
130 0.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Tgt Ion:136 Resp: 140214
Ion Ratio Lower Upper
136 100
137 18.8 8.8 13.2#
54 27.5 7.0 10.4#
68 33.0 5.0 7.6#

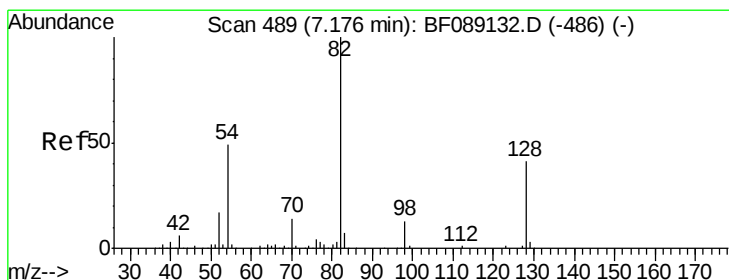
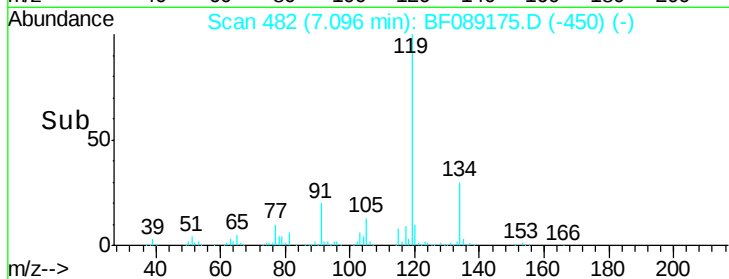
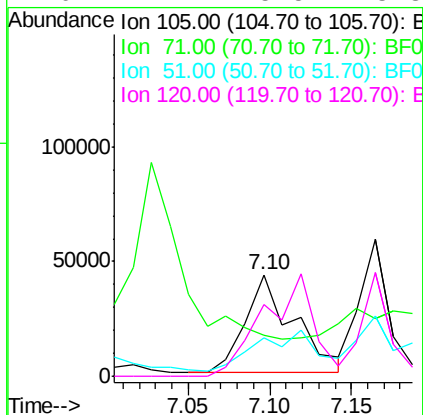
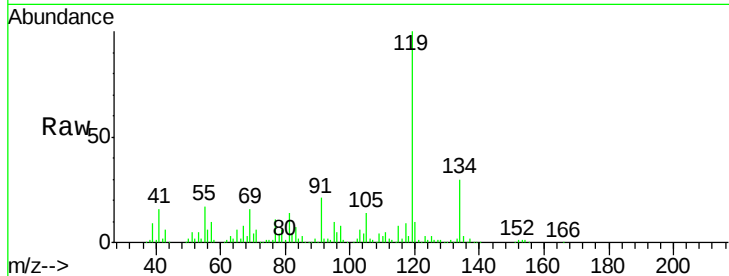




#22
Acetophenone
Concen: 23.70 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.07 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

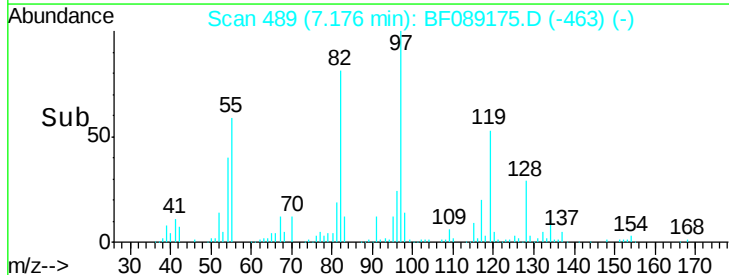
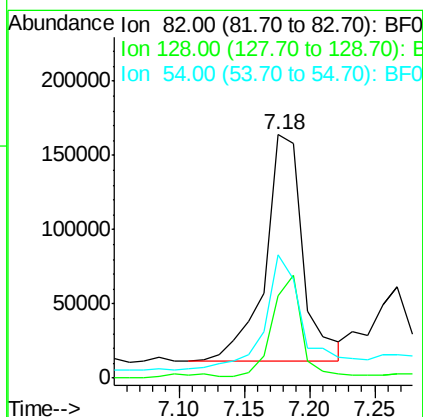
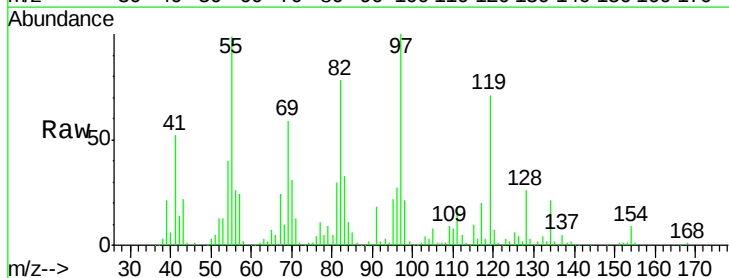
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BNA_F
ClientSampleId :

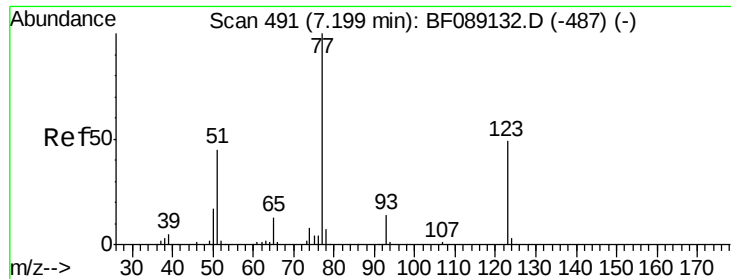
Tot Ion:105 Resp: 88752
Ion Ratio Lower Upper
105 100
71 40.6 3.8 5.6#
51 38.3 19.6 29.4#
120 71.2 15.5 23.3#



#23
Nitrobenzene-d5
Concen: 118.13 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Tgt Ion: 82 Resp: 311727
Ion Ratio Lower Upper
82 100
128 33.6 33.0 49.6
54 50.9 39.0 58.4

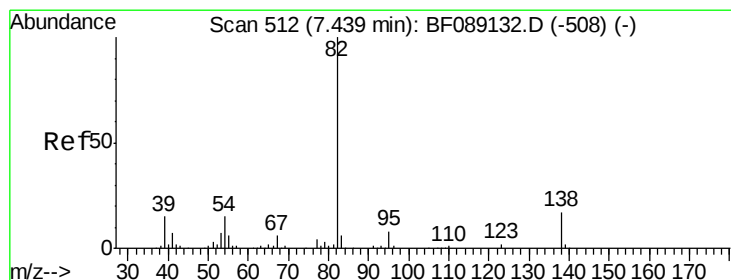
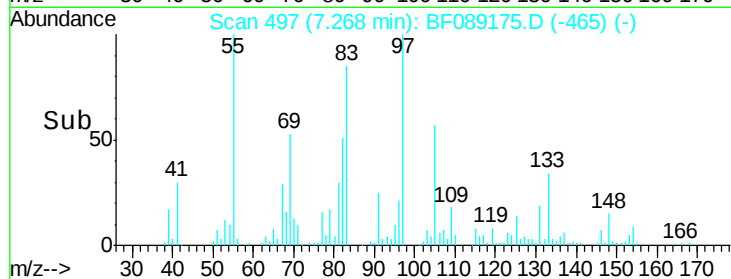
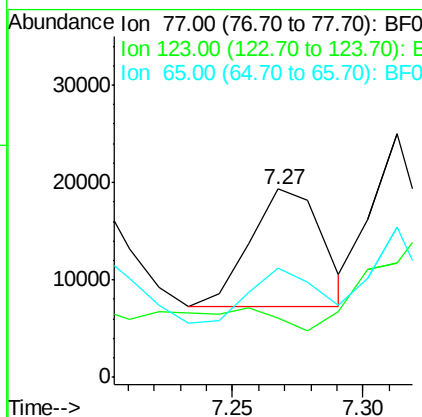
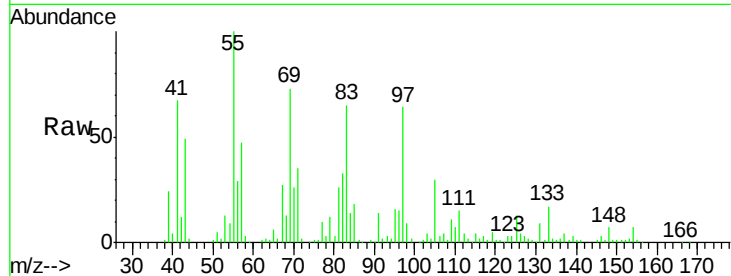




#24
 Nitrobenzene
 Concen: 8.46 ng
 RT: 7.27 min Scan# 497
 Delta R.T. 0.07 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

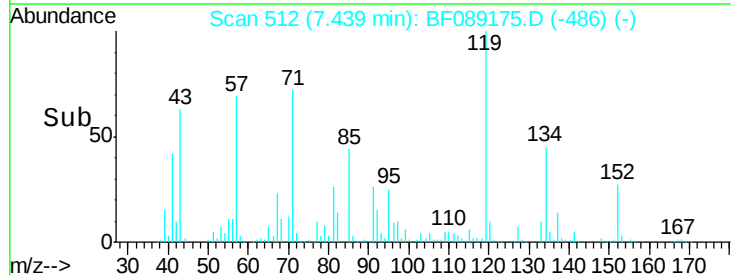
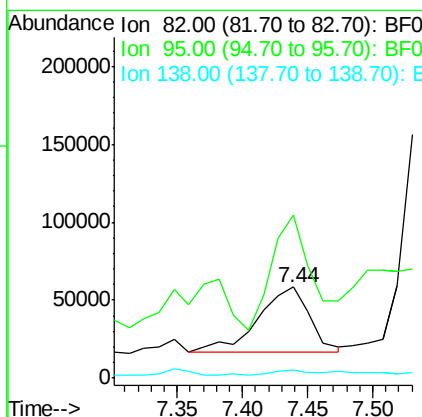
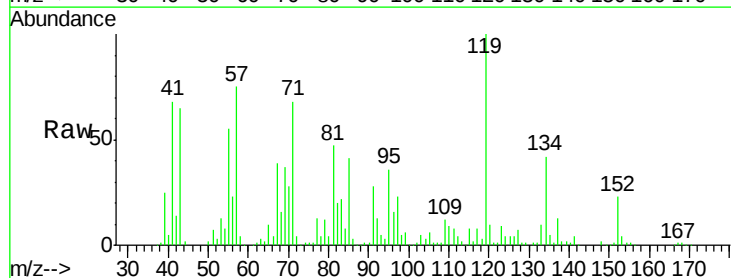
Instrument :
 BNA_F
 ClientSampled :

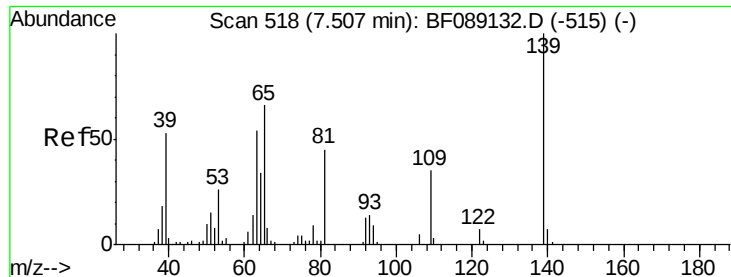
Tot Ion: 77 Resp: 23540
 Ion Ratio Lower Upper
 77 100
 123 31.7 38.9 58.3#
 65 57.9 10.6 15.8#



#25
 Isophorone
 Concen: 23.27 ng
 RT: 7.44 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

Tgt Ion: 82 Resp: 113162
 Ion Ratio Lower Upper
 82 100
 95 179.2 6.1 9.1#
 138 9.4 13.6 20.4#

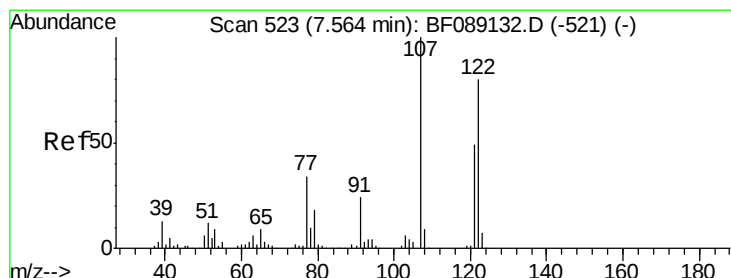
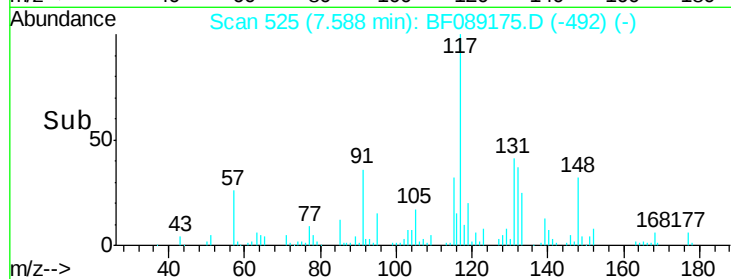
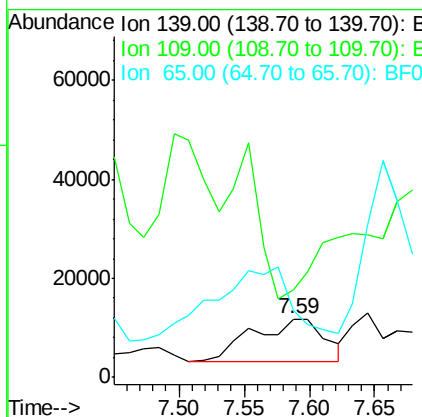
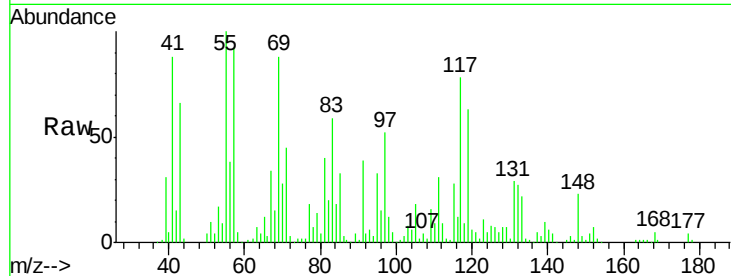




#26
2-Nitrophenol
Concen: 25.23 ng
RT: 7.59 min Scan# 525
Delta R.T. 0.08 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

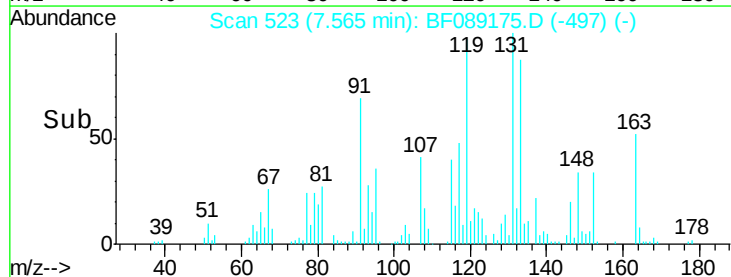
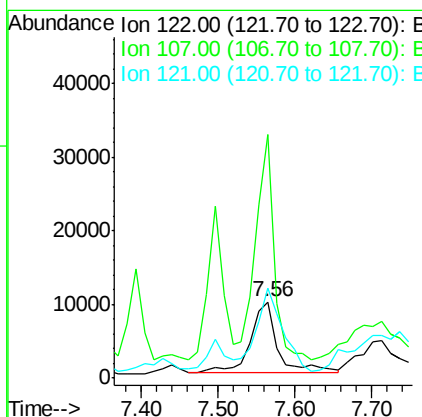
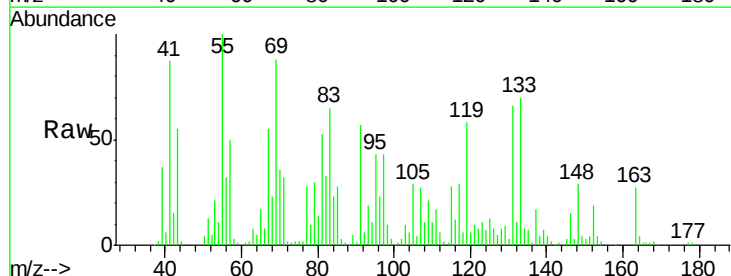
Instrument :
BNA_F
ClientSampleId :

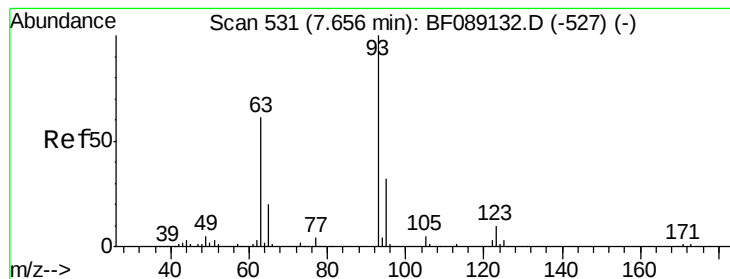
Tot Ion:139 Resp: 32750
Ion Ratio Lower Upper
139 100
109 151.1 28.1 42.1#
65 114.3 52.7 79.1#



#27
2,4-Dimethylphenol
Concen: 10.70 ng
RT: 7.56 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Tgt Ion:122 Resp: 23393
Ion Ratio Lower Upper
122 100
107 319.6 99.7 149.5#
121 117.5 48.5 72.7#





#28

bis(2-Chloroethoxy)methane

Concen: 19.32 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

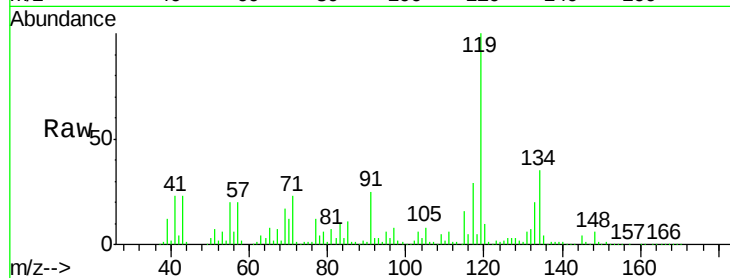
Tot Ion: 93 Resp: 58779

Ion Ratio Lower Upper

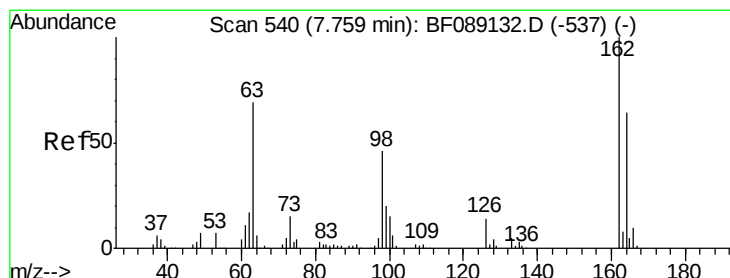
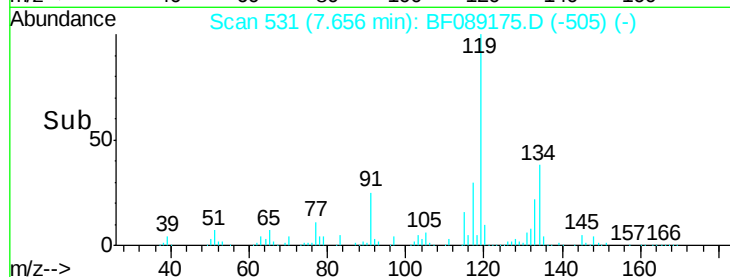
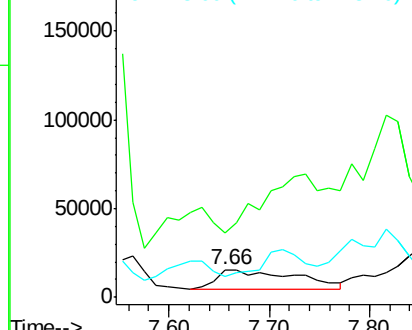
93 100

95 233.1 25.4 38.0#

123 74.1 8.3 12.5#



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): BF0



#29

2,4-Dichlorophenol

Concen: 6.70 ng

RT: 7.77 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

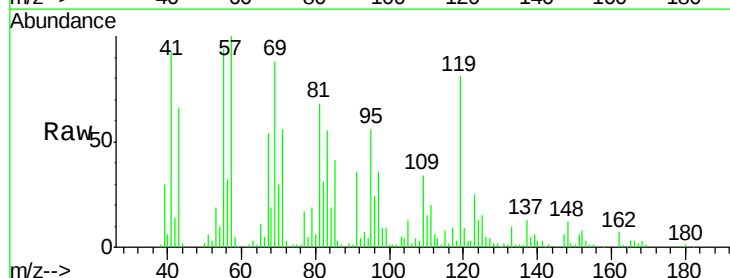
Tgt Ion: 162 Resp: 13206

Ion Ratio Lower Upper

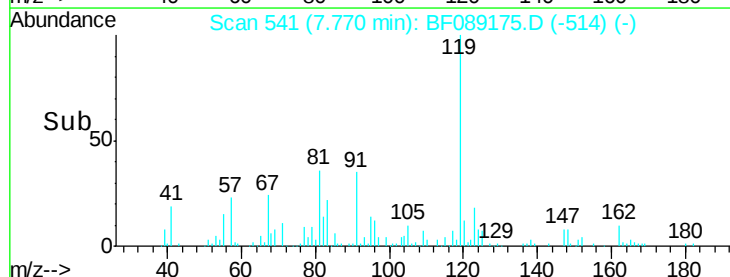
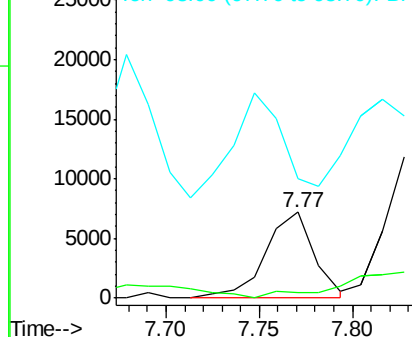
162 100

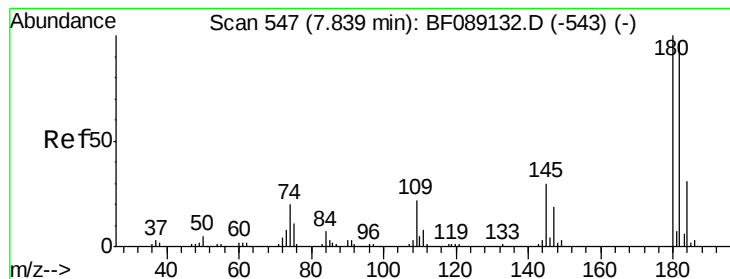
164 6.7 44.0 84.0#

98 138.3 26.0 66.0#



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





#30

1,2,4-Trichlorobenzene

Concen: 3.84 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.03 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

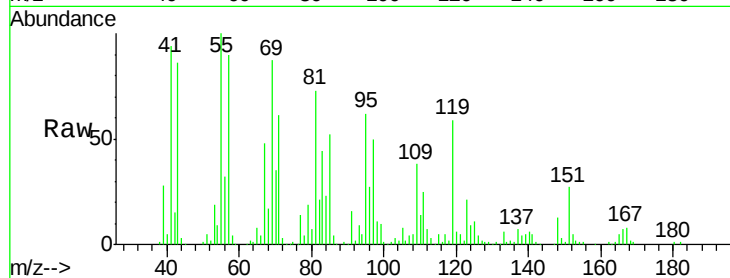
Tot Ion:180 Resp: 8383

Ion Ratio Lower Upper

180 100

182 86.4 77.6 116.4

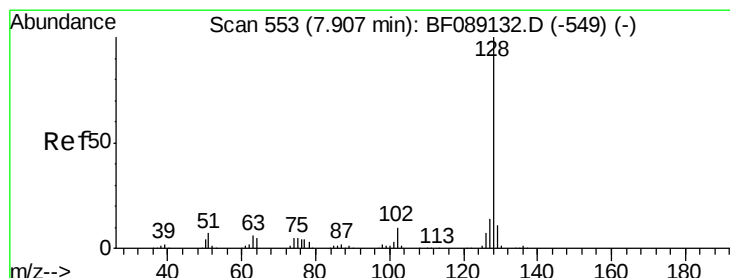
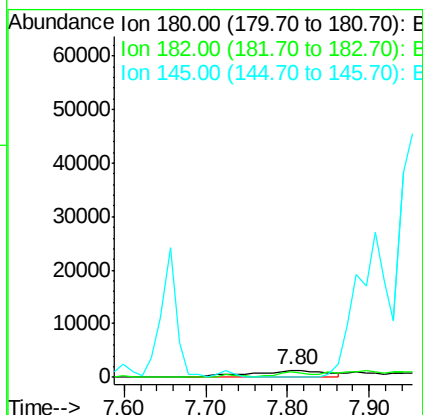
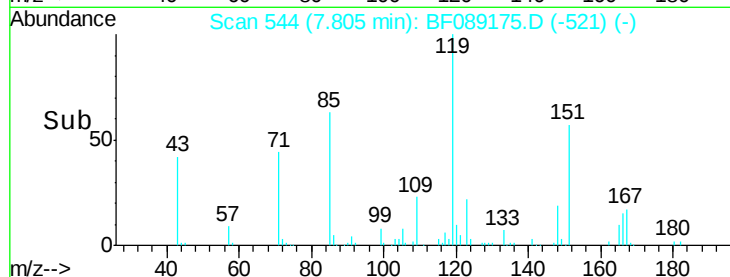
145 0.0 24.0 36.0#



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 9.99 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

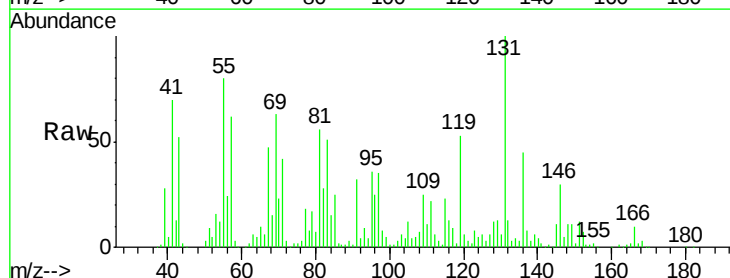
Tgt Ion:128 Resp: 75564

Ion Ratio Lower Upper

128 100

129 105.4 8.9 13.3#

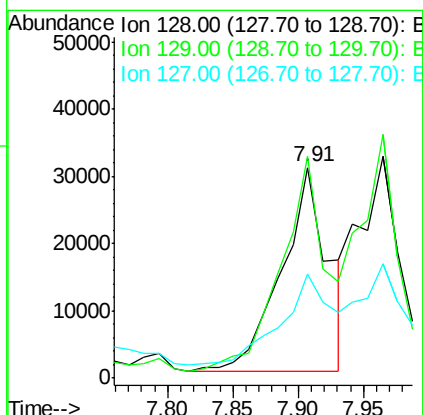
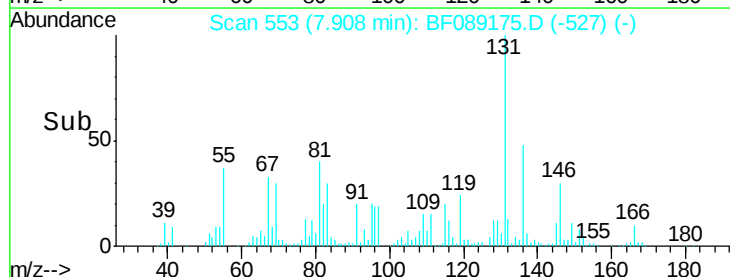
127 49.3 10.8 16.2#

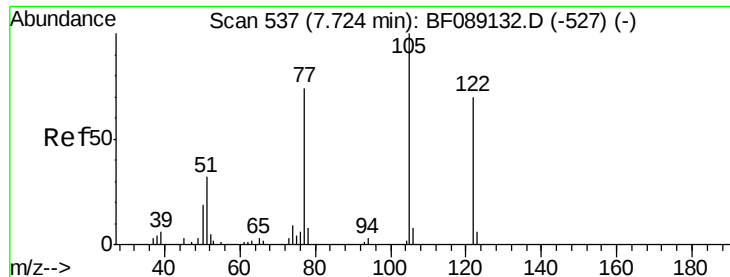


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.46 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

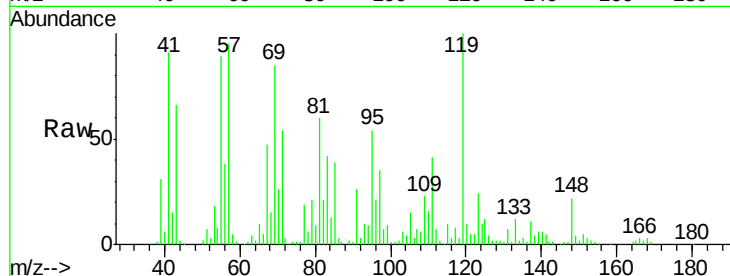
Tot Ion:122 Resp: 12554

Ion Ratio Lower Upper

122 100

105 332.6 119.0 159.0#

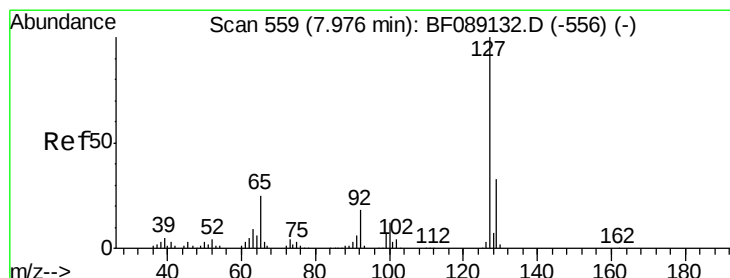
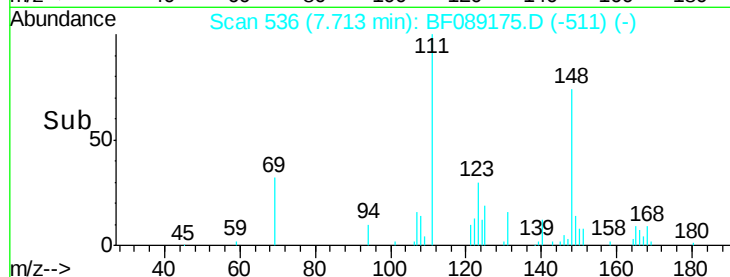
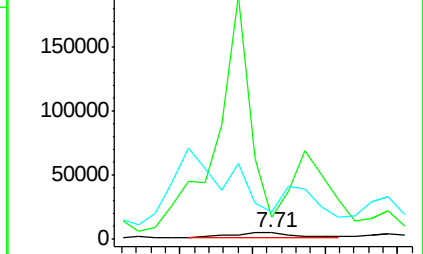
77 416.2 84.7 124.7#



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: 11.74 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Tgt Ion:127 Resp: 37358

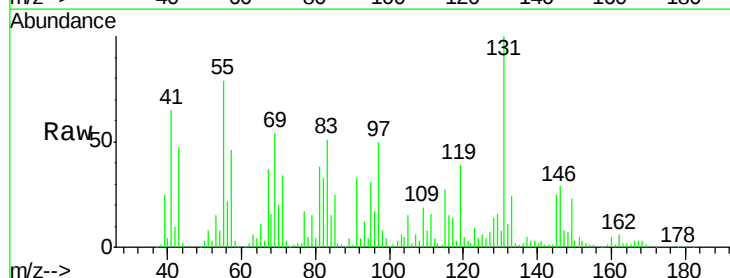
Ion Ratio Lower Upper

127 100

129 213.7 25.9 38.9#

65 143.0 19.7 29.5#

92 50.4 14.3 21.5#

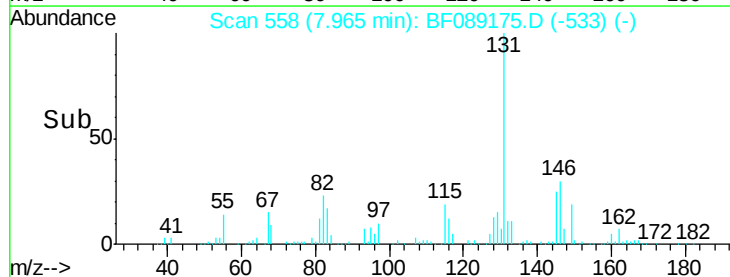
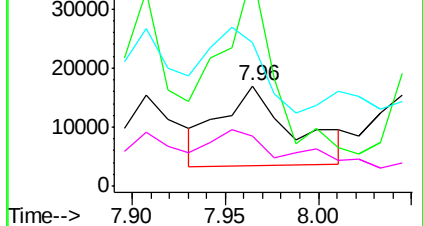


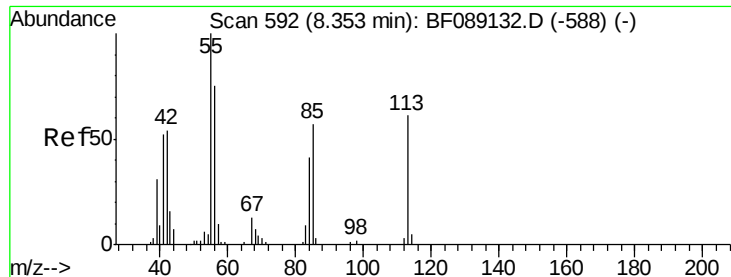
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 284.62 ng

RT: 8.38 min Scan# 594

Delta R.T. 0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

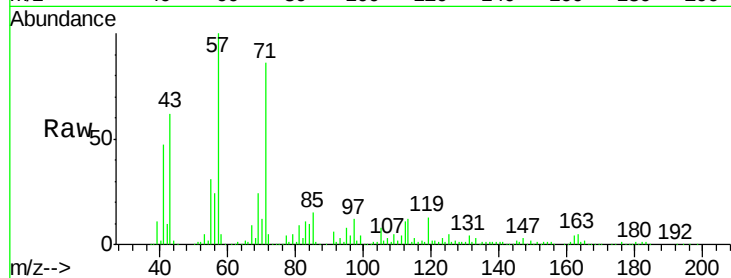
Tot Ion:113 Resp: 174215

Ion Ratio Lower Upper

113 100

55 259.0 145.3 185.3#

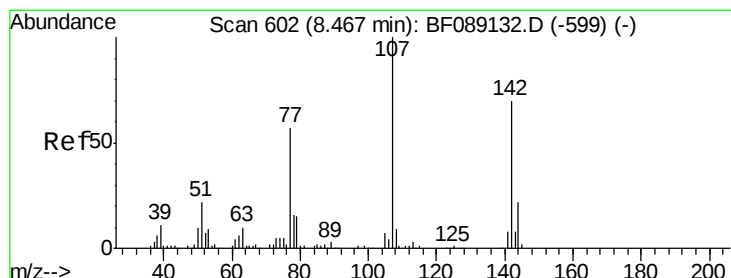
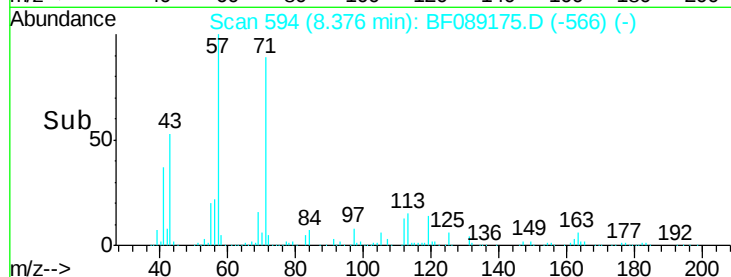
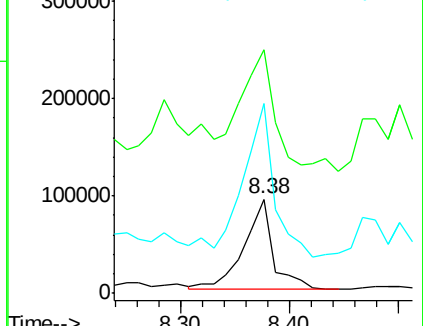
56 202.5 104.3 144.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 14.50 ng

RT: 8.44 min Scan# 600

Delta R.T. -0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

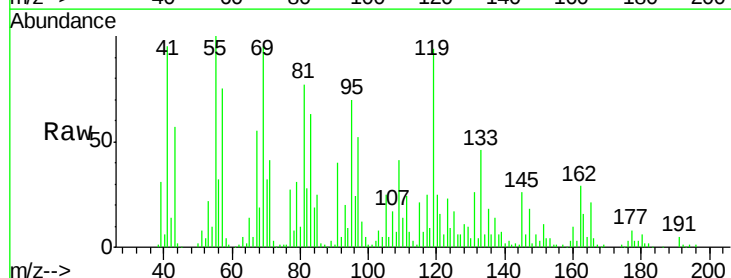
Tgt Ion:107 Resp: 34441

Ion Ratio Lower Upper

107 100

144 8.1 17.8 26.6#

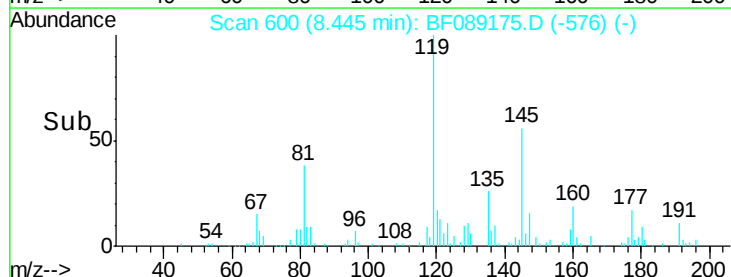
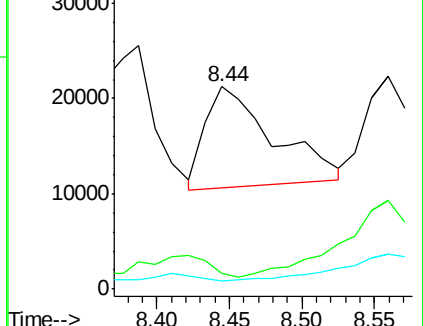
142 3.8 56.1 84.1#

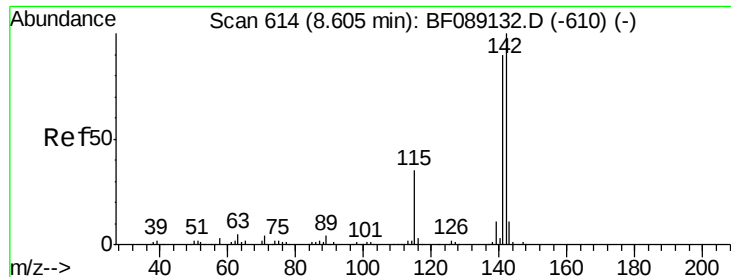


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

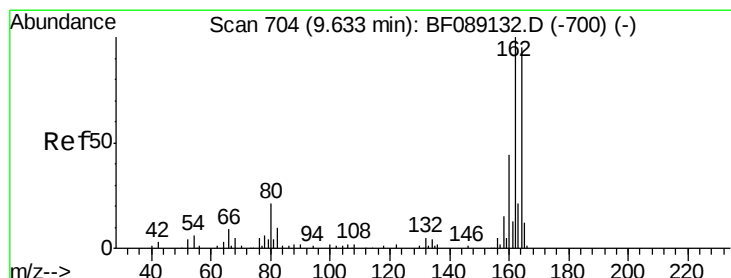
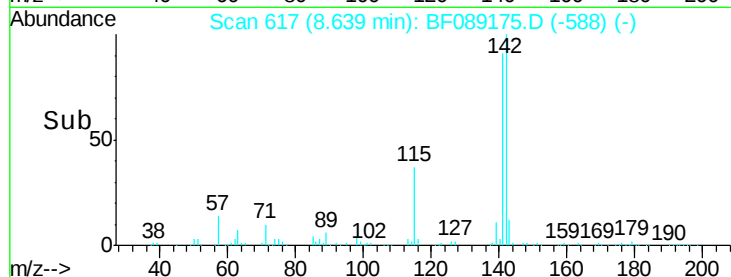
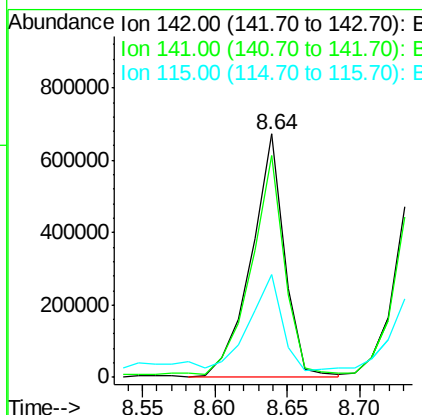
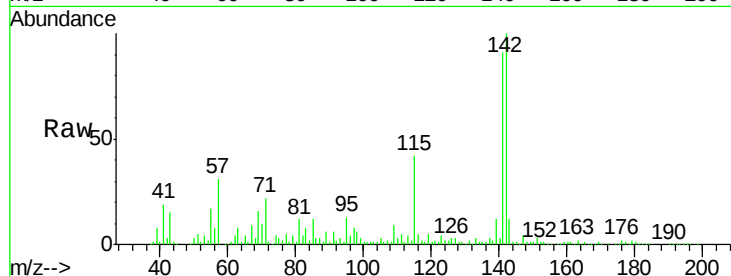




#37
2-Methylnaphthalene
Concen: 218.39 ng
RT: 8.64 min Scan# 617
Delta R.T. 0.03 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

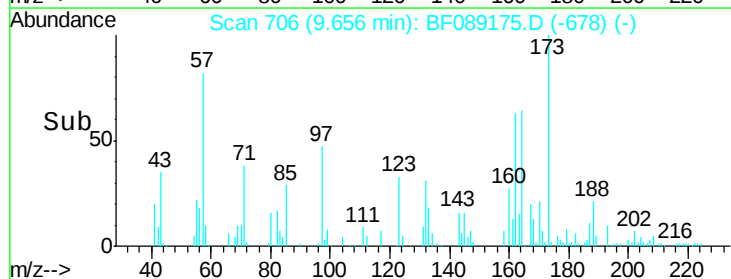
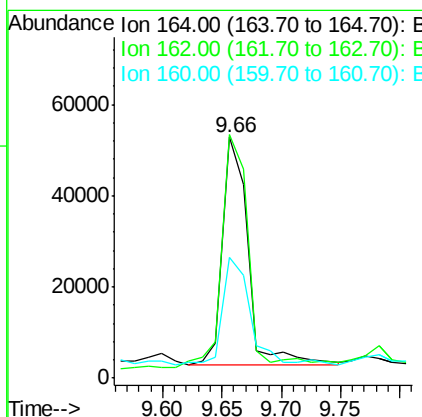
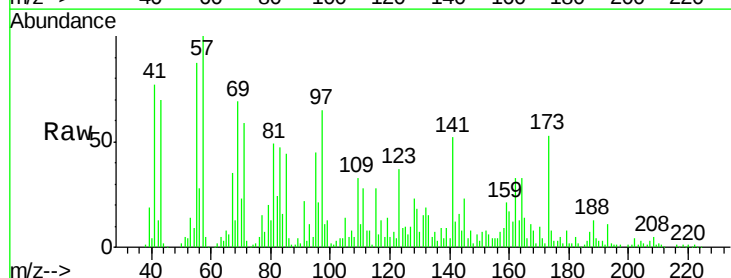
Instrument :
BNA_F
ClientSampleId :

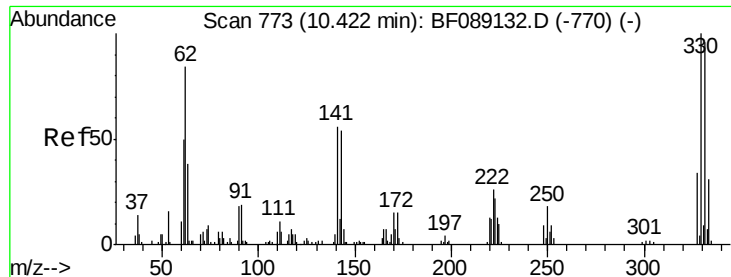
Tot Ion:142 Resp: 1053963
Ion Ratio Lower Upper
142 100
141 91.3 71.6 107.4
115 42.0 27.6 41.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. 0.02 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Tgt Ion:164 Resp: 73549
Ion Ratio Lower Upper
164 100
162 101.2 84.1 126.1
160 50.5 37.1 55.7

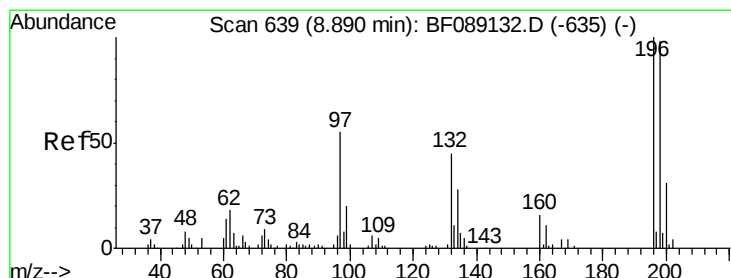
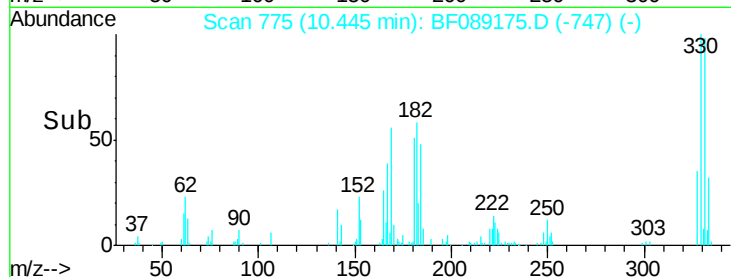
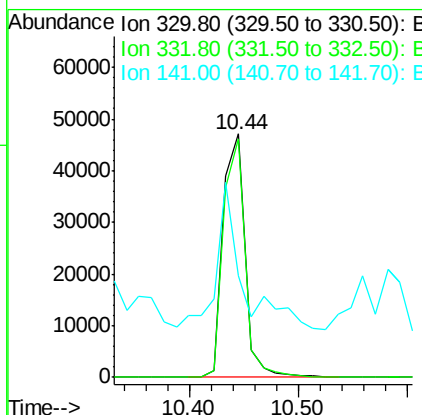
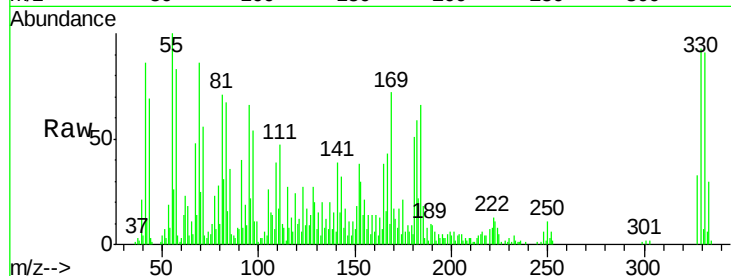




#41
 2,4,6-Tribromophenol
 Concen: 100.13 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.02 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

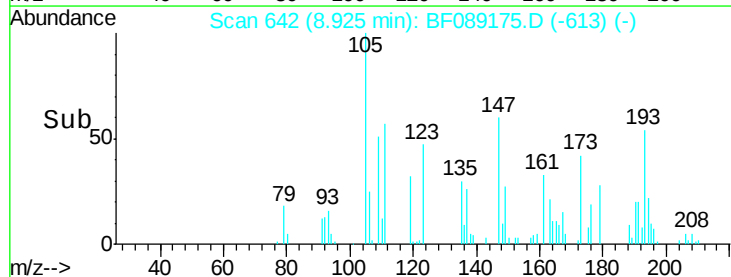
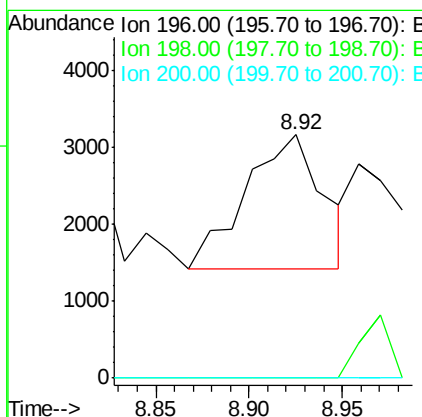
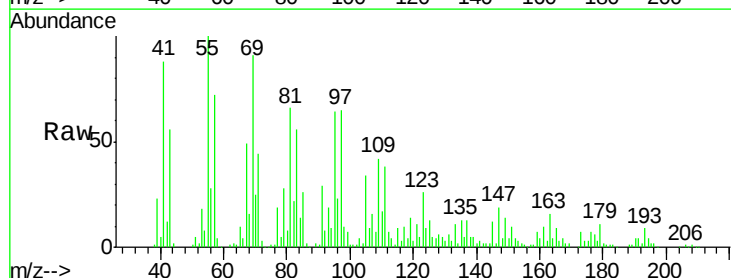
Instrument :
 BNA_F
 ClientSampleId :

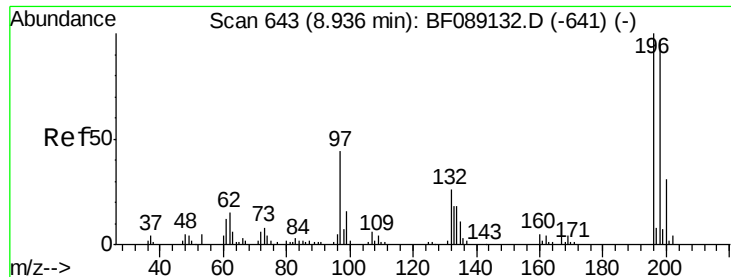
Tot Ion:330 Resp: 66307
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.2 115.8
 141 71.6 42.2 63.2#



#42
 2,4,6-Trichlorophenol
 Concen: 3.28 ng
 RT: 8.92 min Scan# 642
 Delta R.T. 0.03 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

Tgt Ion:196 Resp: 5018
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.3 117.5#
 200 0.0 25.0 37.4#

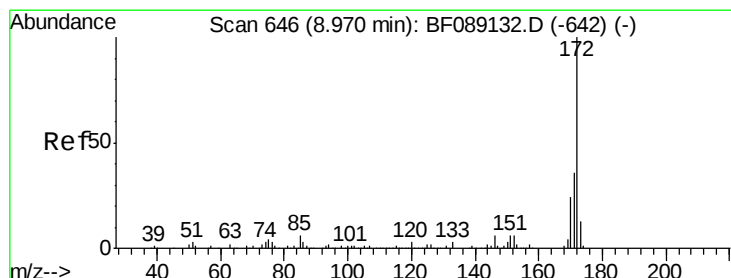
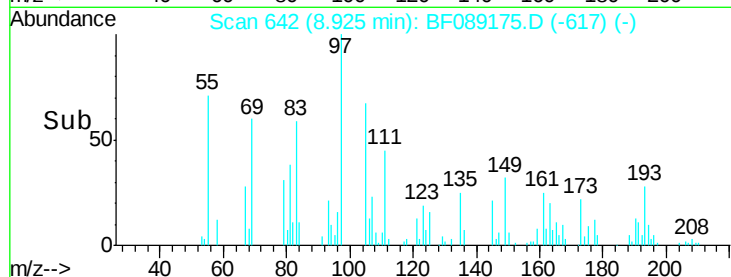
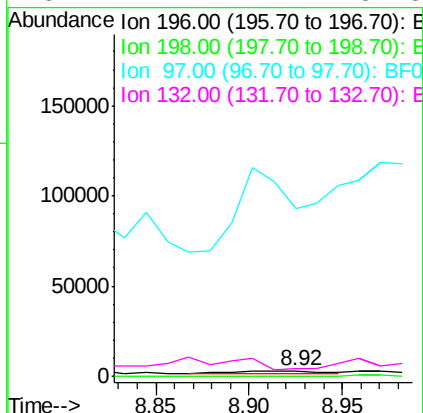
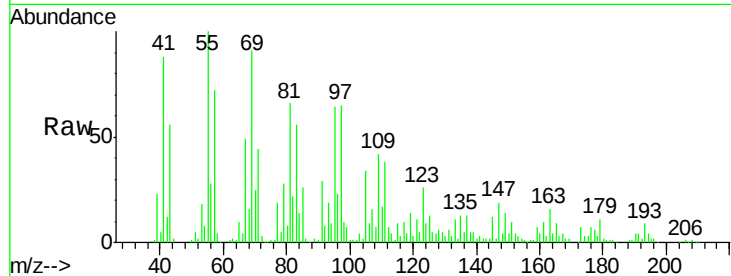




#43
 2,4,5-Trichlorophenol
 Concen: 3.27 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

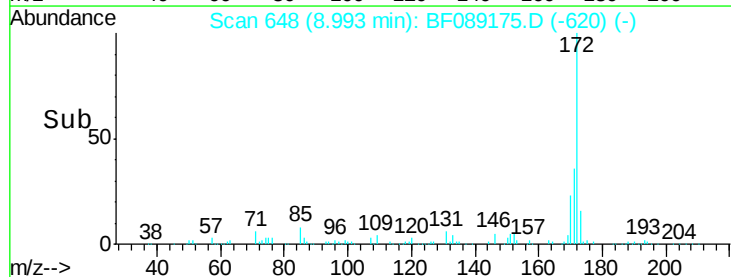
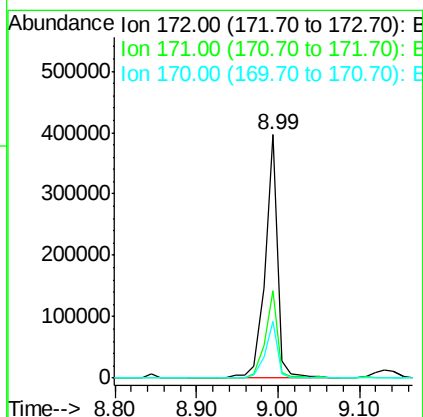
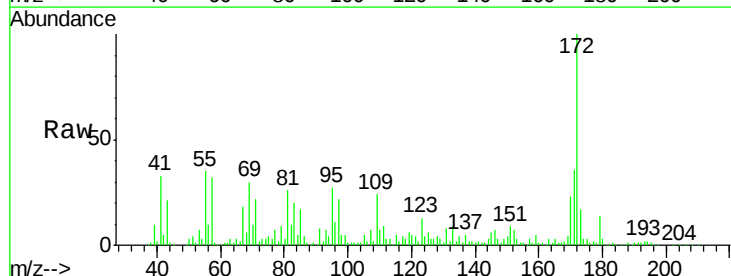
Instrument :
 BNA_F
 ClientSampled :

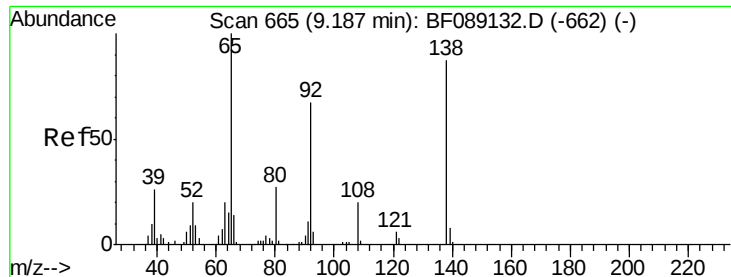
Tot Ion:196 Resp: 5018
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.6 116.4#
 97 2942.0 36.5 54.7#
 132 127.1 21.2 31.8#



#44
 2-Fluorobiphenyl
 Concen: 80.01 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.02 min
 Lab File: BF089175.D
 Acq: 21 Jul 2016 12:43

Tgt Ion:172 Resp: 427079
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.2 19.1 28.7





#47

2-Nitroaniline

Concen: 22.61 ng

RT: 9.38 min Scan# 682

Delta R.T. 0.19 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

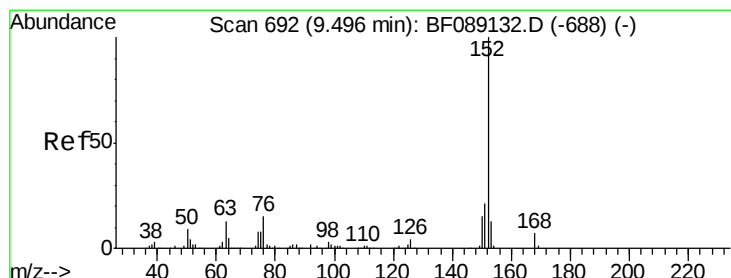
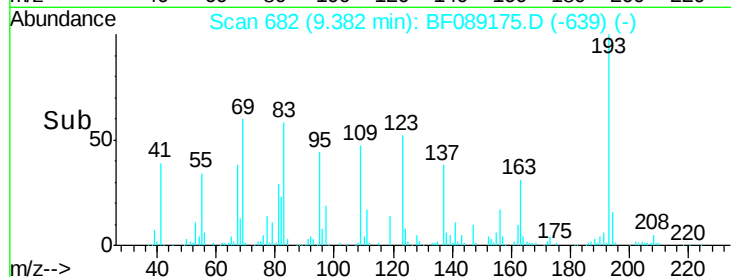
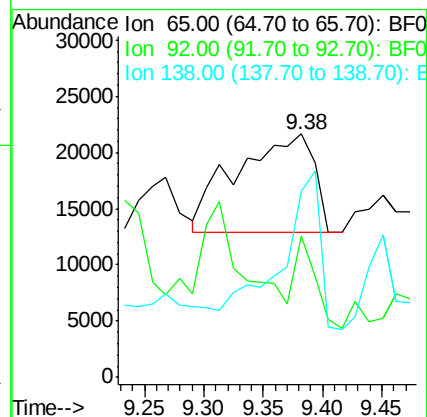
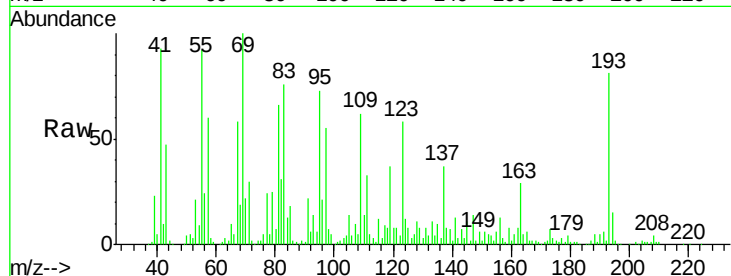
Tot Ion: 65 Resp: 39044

Ion Ratio Lower Upper

65 100

92 58.2 53.2 79.8

138 76.5 69.4 104.2



#48

Acenaphthylene

Concen: 3.99 ng

RT: 9.53 min Scan# 695

Delta R.T. 0.03 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

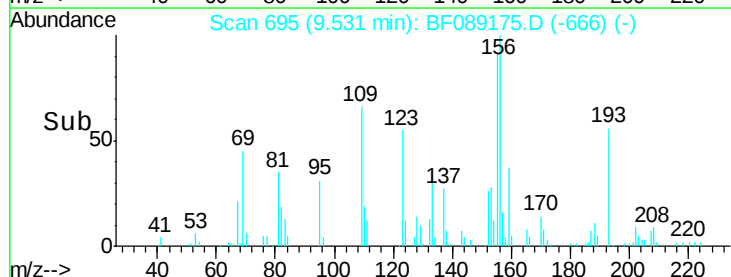
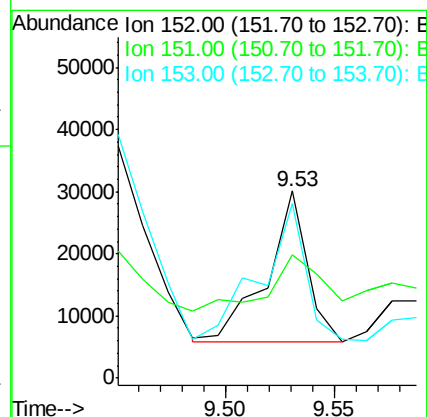
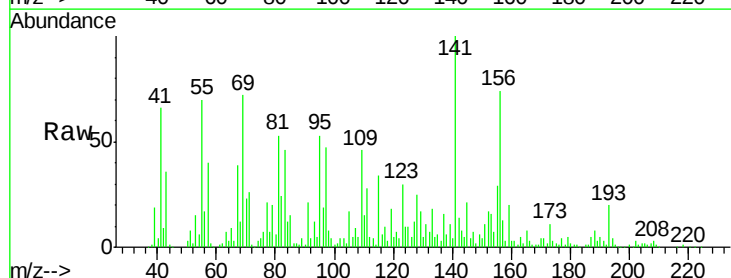
Tgt Ion: 152 Resp: 31602

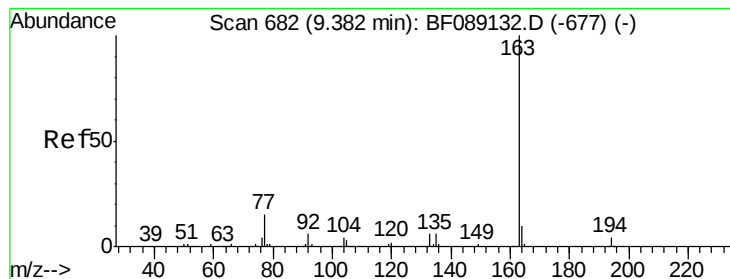
Ion Ratio Lower Upper

152 100

151 65.6 16.5 24.7#

153 93.5 10.7 16.1#





#49

Dimethylphthalate

Concen: 13.85 ng

RT: 9.38 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

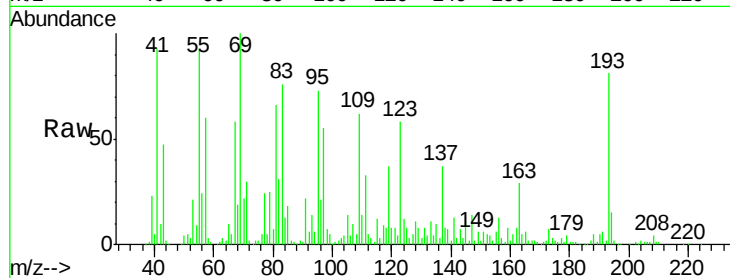
Tot Ion:163 Resp: 78163

Ion Ratio Lower Upper

163 100

194 50.5 2.9 4.3#

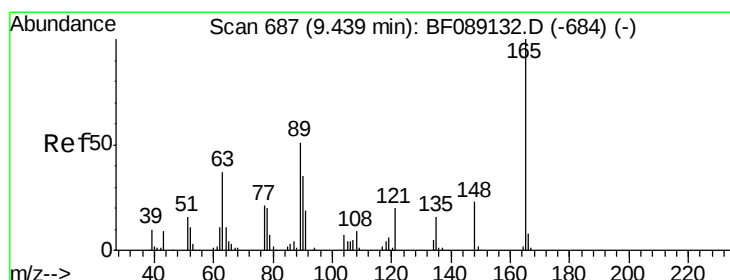
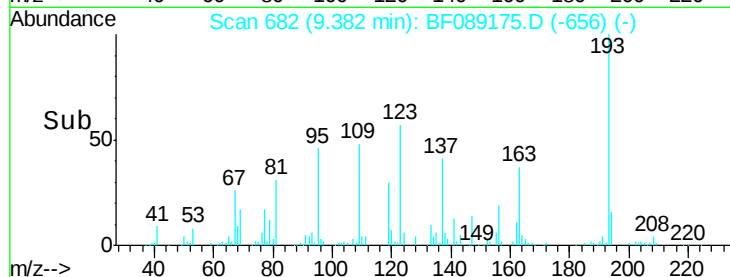
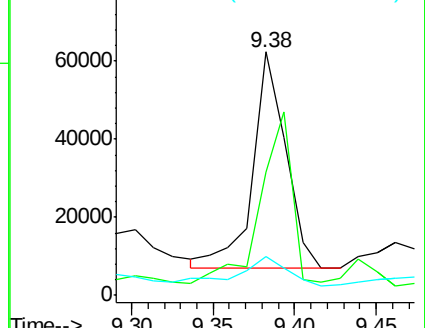
164 16.0 7.6 11.4#



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: 12.49 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

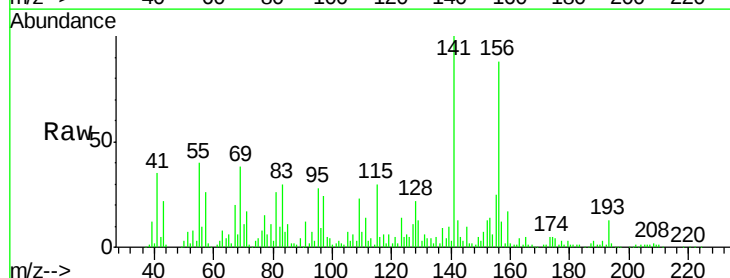
Tgt Ion:165 Resp: 15913

Ion Ratio Lower Upper

165 100

63 159.0 37.0 55.4#

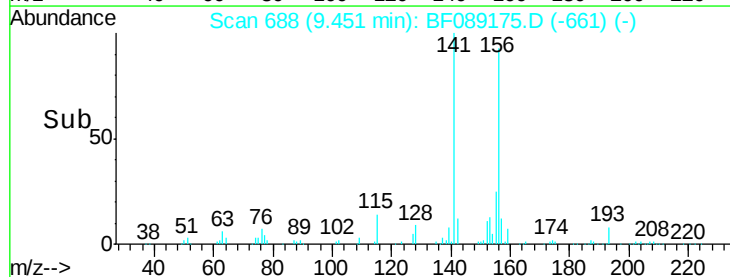
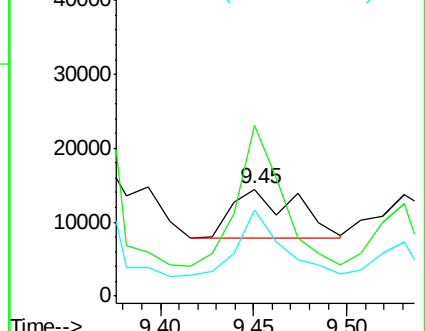
89 80.3 40.9 61.3#

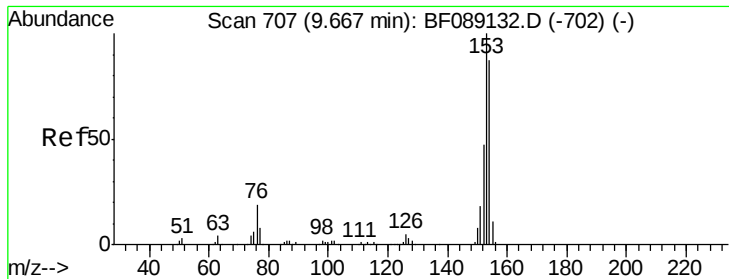


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 7.59 ng

RT: 9.69 min Scan# 709

Delta R.T. 0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampled :

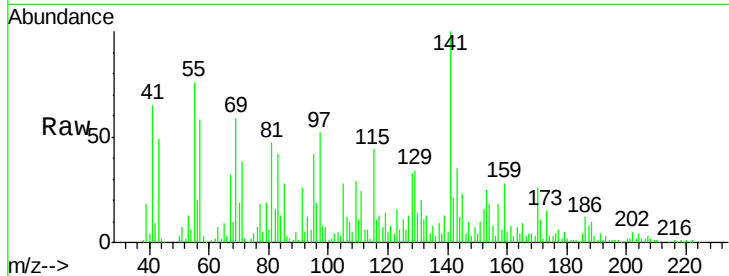
Tot Ion:154 Resp: 35548

Ion Ratio Lower Upper

154 100

153 133.9 91.9 137.9

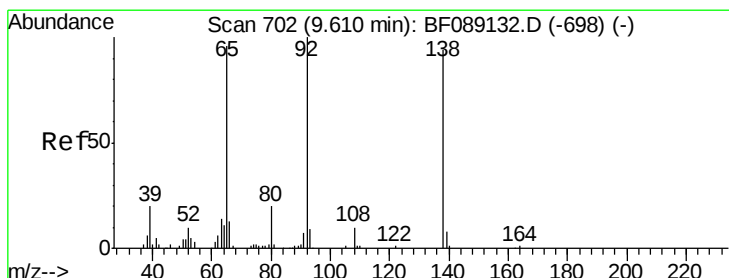
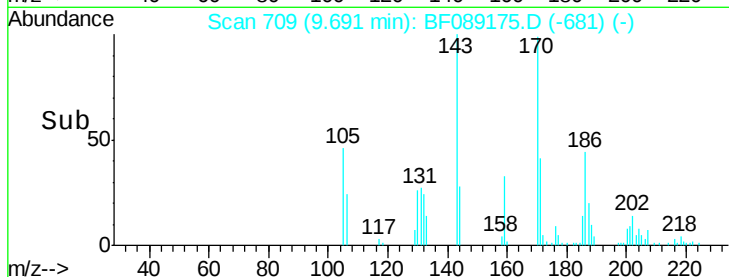
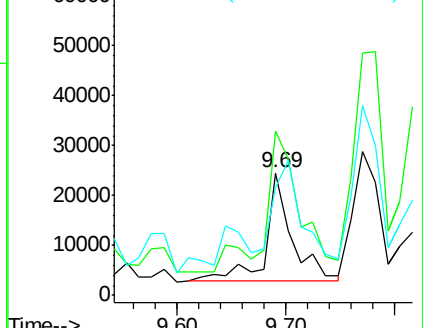
152 88.4 42.8 64.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 12.19 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

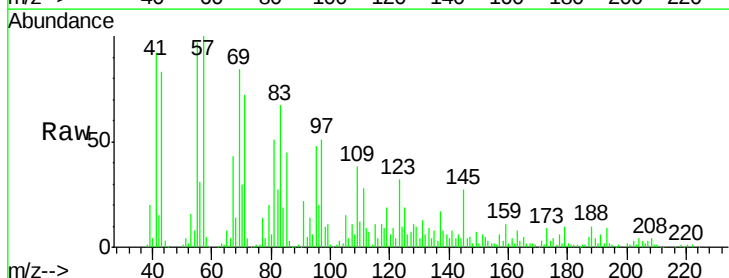
Tgt Ion:138 Resp: 18444

Ion Ratio Lower Upper

138 100

108 71.1 8.8 13.2#

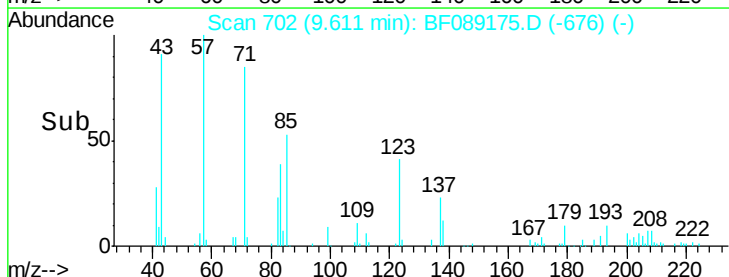
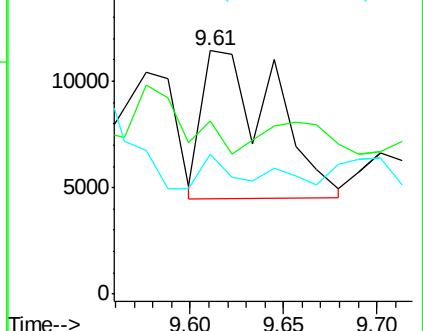
92 57.4 85.3 127.9#

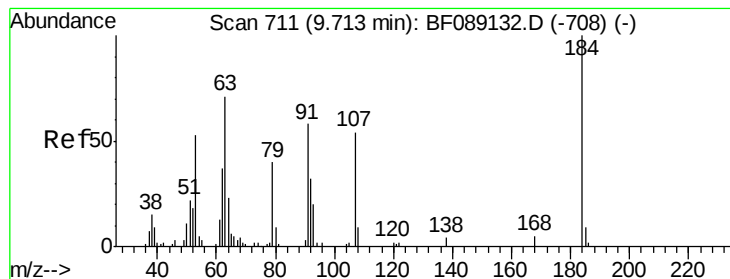


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 9.61 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.03 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

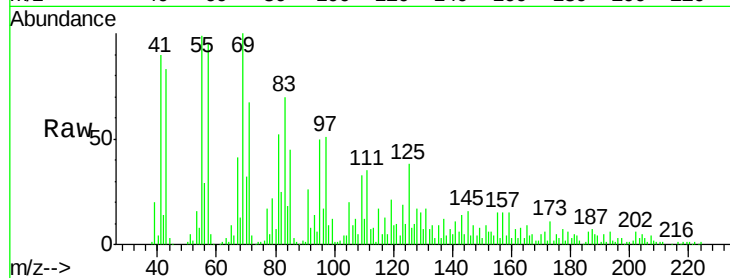
Tot Ion:184 Resp: 783

Ion Ratio Lower Upper

184 100

63 781.1 60.3 90.5#

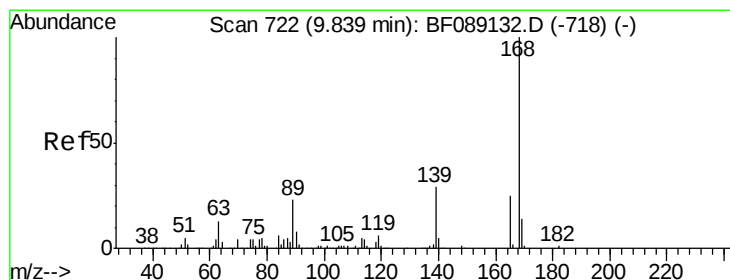
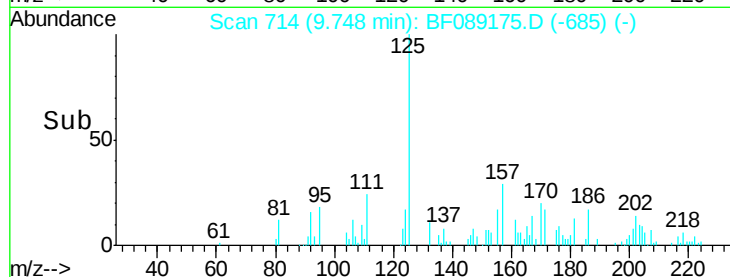
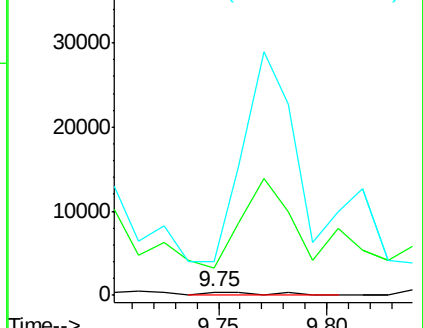
154 979.4 60.7 91.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 7.52 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

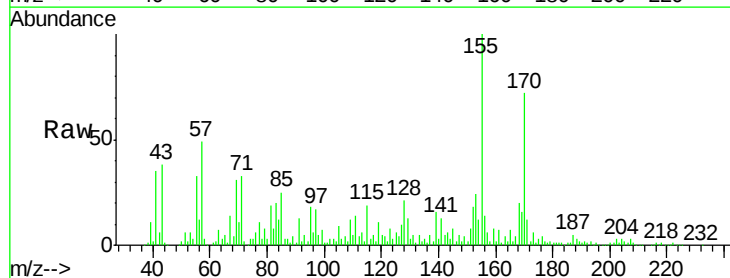
Tgt Ion:168 Resp: 47548

Ion Ratio Lower Upper

168 100

139 78.8 34.4 51.6#

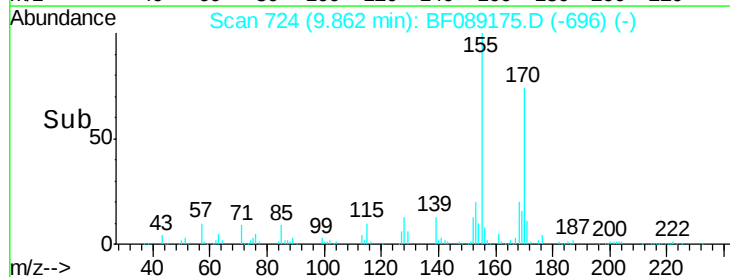
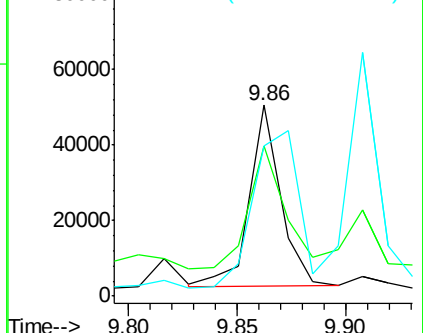
169 78.8 10.8 16.2#

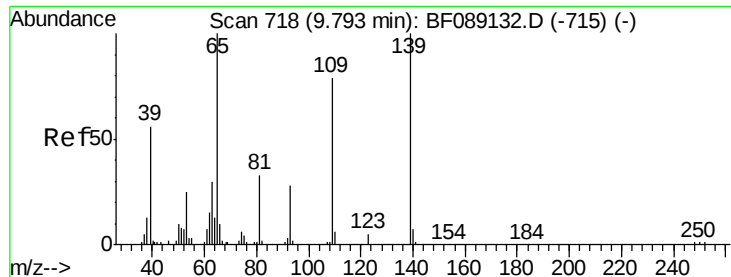


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 40.79 ng

RT: 9.86 min Scan# 724

Delta R.T. 0.07 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

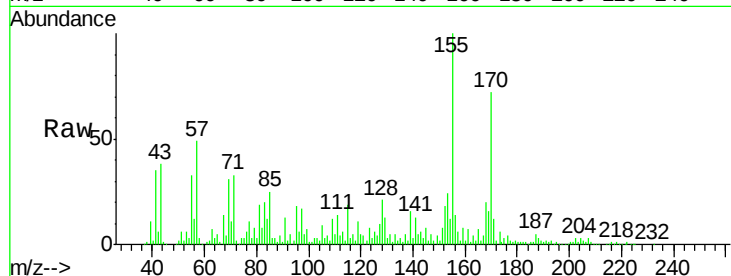
Tot Ion:139 Resp: 37343

Ion Ratio Lower Upper

139 100

109 75.7 58.7 98.7

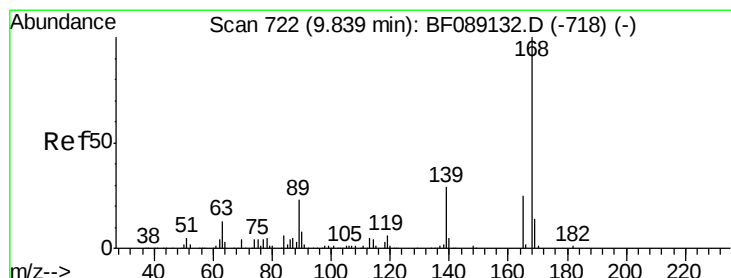
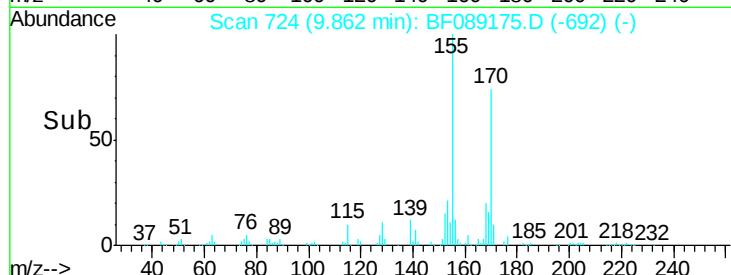
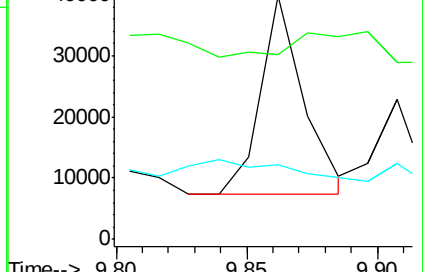
65 30.6 80.2 120.2#



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): E



#56

2,4-Dinitrotoluene

Concen: 14.59 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.03 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Tgt Ion:165 Resp: 23949

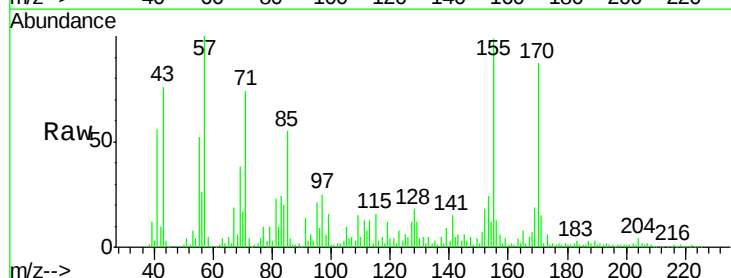
Ion Ratio Lower Upper

165 100

63 52.3 55.4 83.2#

89 29.6 74.3 111.5#

182 23.1 2.0 3.0#

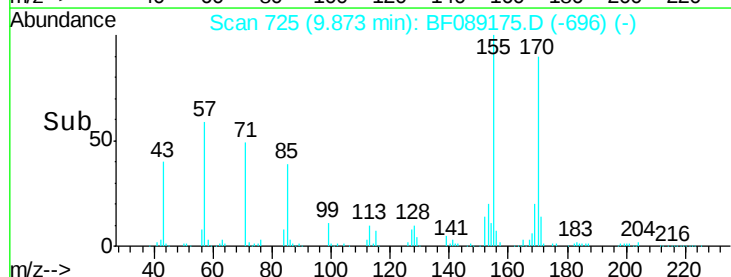
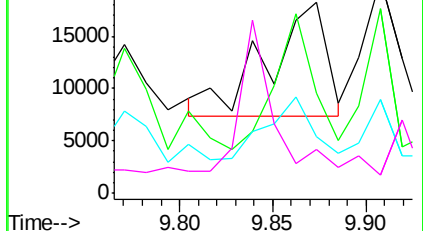


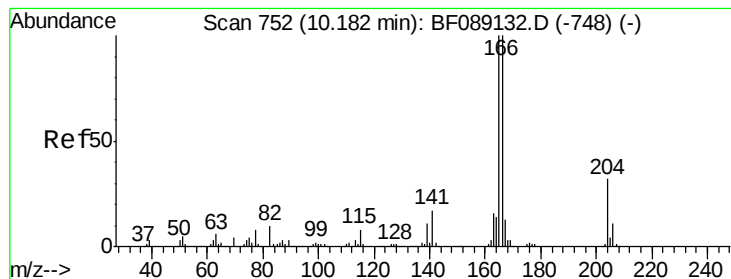
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 17.40 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

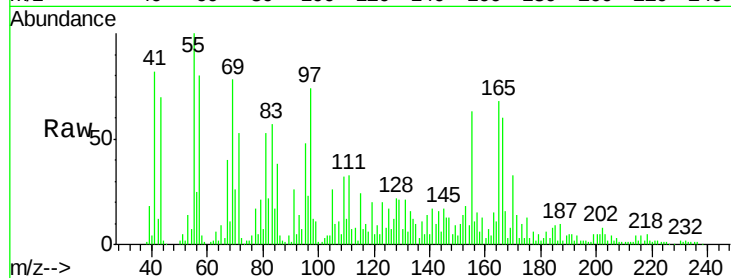
Tot Ion:166 Resp: 93439

Ion Ratio Lower Upper

166 100

165 112.4 79.9 119.9

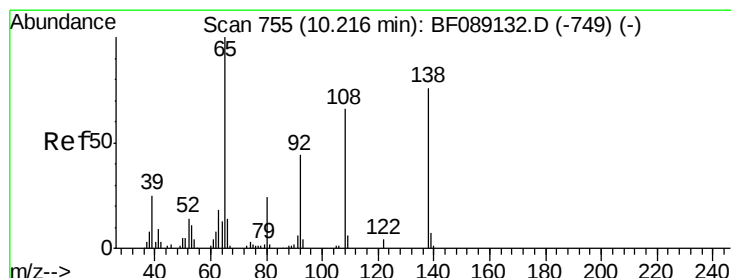
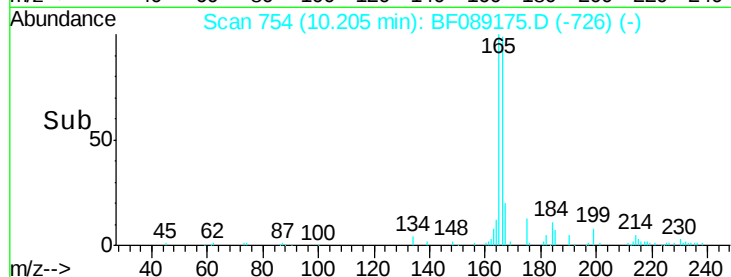
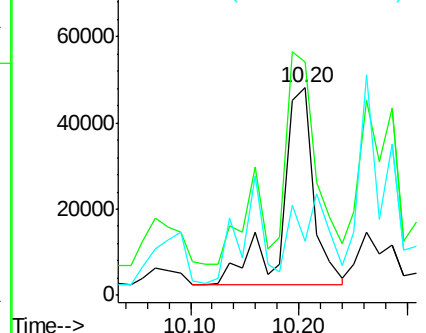
167 26.3 10.7 16.1#



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



#61

4-Nitroaniline

Concen: 2.90 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.22 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

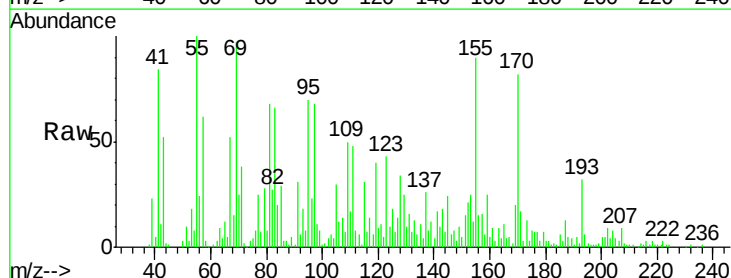
Tgt Ion:138 Resp: 4273

Ion Ratio Lower Upper

138 100

92 75.4 37.2 77.2

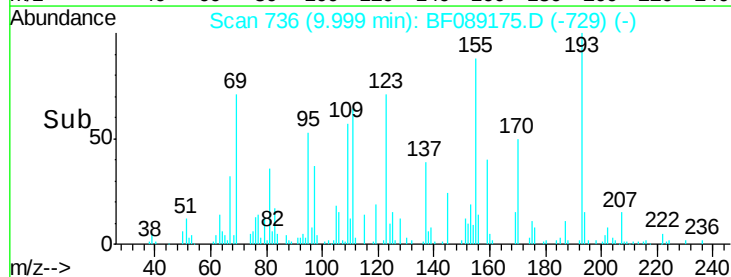
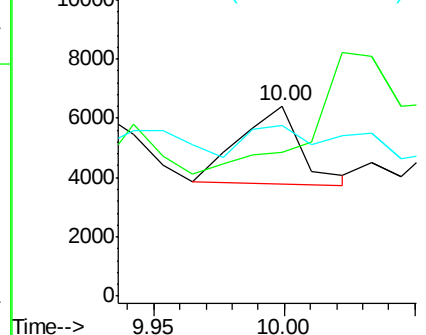
108 89.8 66.1 106.1

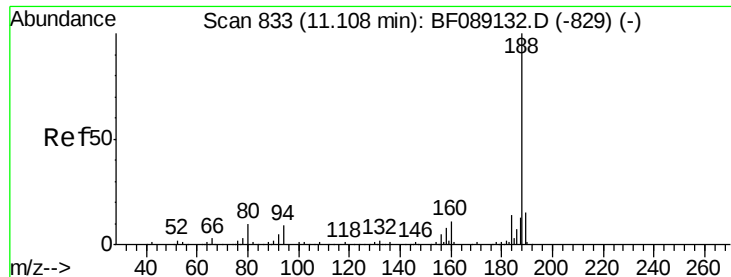


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E

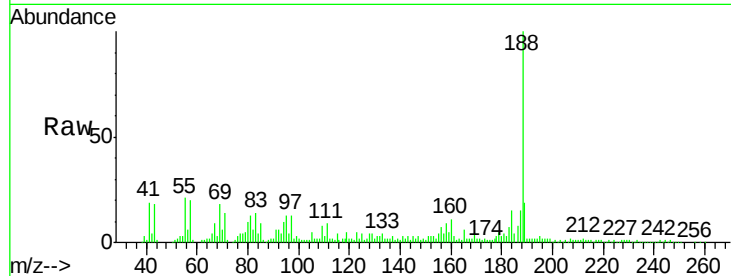




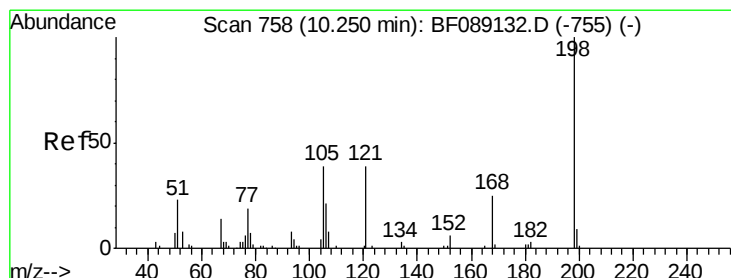
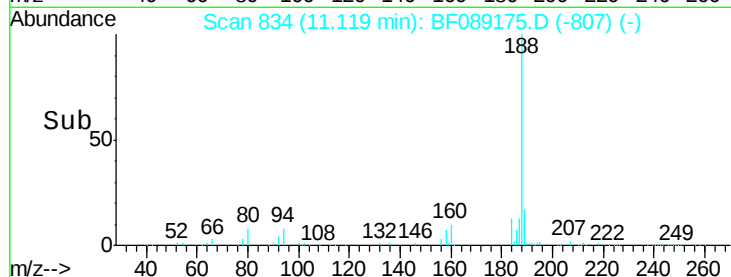
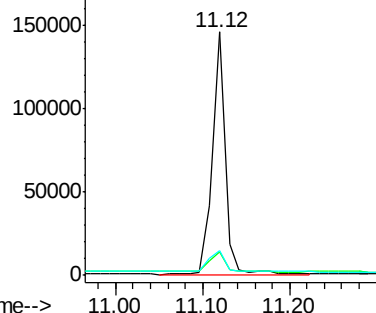
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.01 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 148662
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.4 7.7 11.5

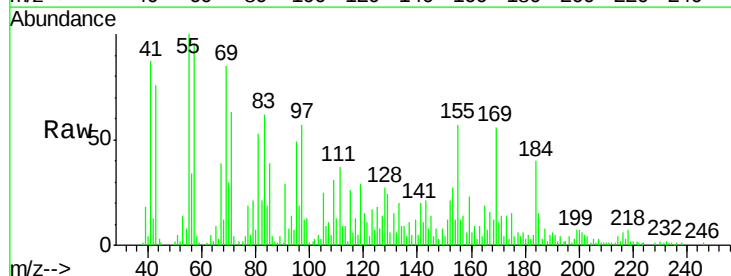


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

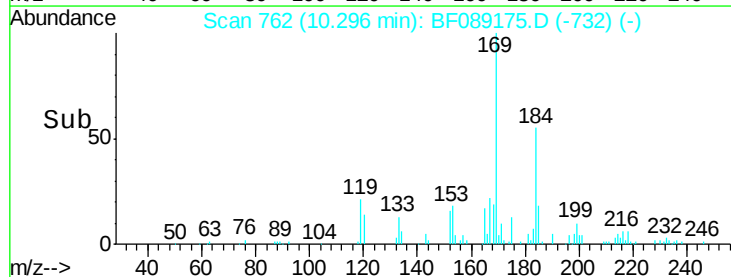
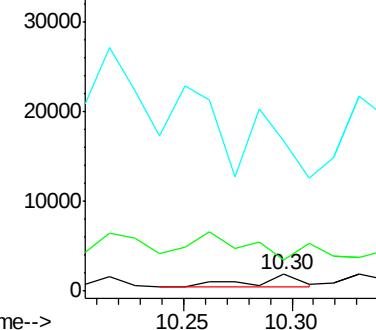


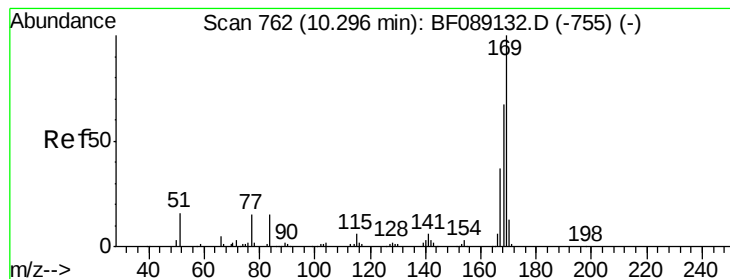
#64
4,6-Dinitro-2-methylphenol
Concen: 2.41 ng
RT: 10.30 min Scan# 762
Delta R.T. 0.05 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Tgt Ion:198 Resp: 2087
Ion Ratio Lower Upper
198 100
51 192.0 11.7 51.7#
105 914.6 20.3 60.3#



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: 24.49 ng

RT: 10.32 min Scan# 764

Delta R.T. 0.02 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

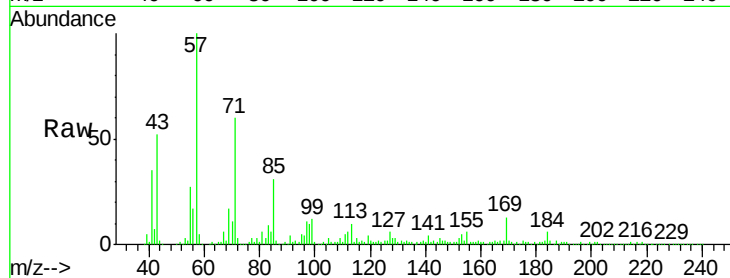
Tot Ion:169 Resp: 121661

Ion Ratio Lower Upper

169 100

168 15.3 53.4 80.0#

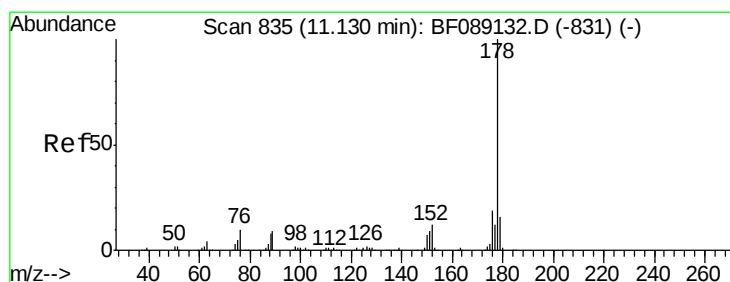
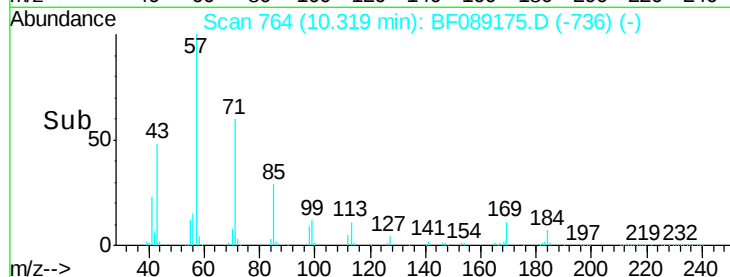
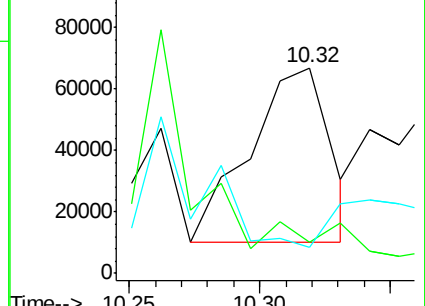
167 12.9 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 17.85 ng

RT: 11.14 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

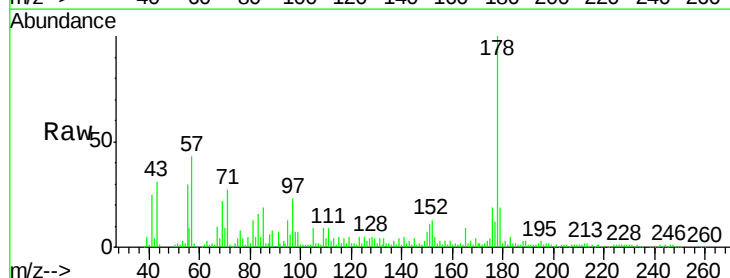
Tgt Ion:178 Resp: 145544

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

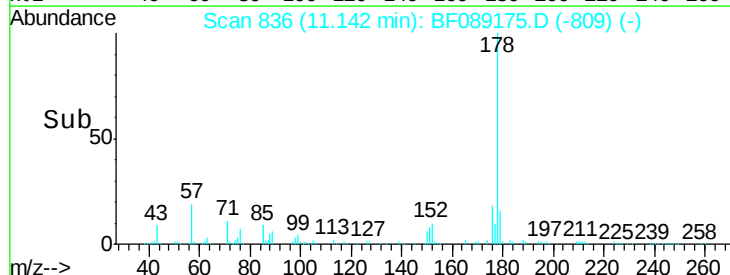
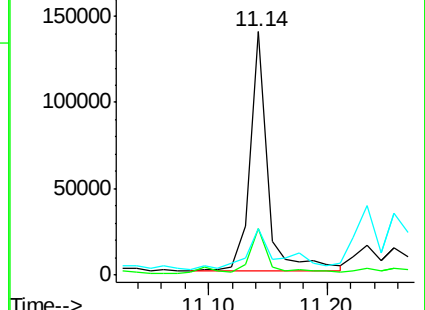
179 19.1 12.4 18.6#

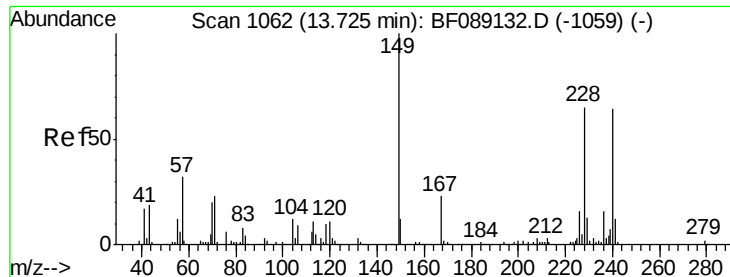


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

Instrument :

BNA_F

ClientSampleId :

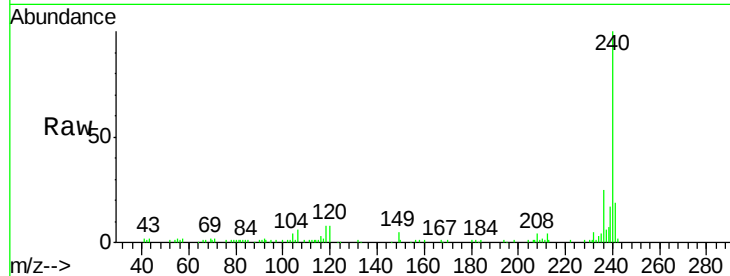
Tot Ion:240 Resp: 97890

Ion Ratio Lower Upper

240 100

120 8.4 13.6 20.4#

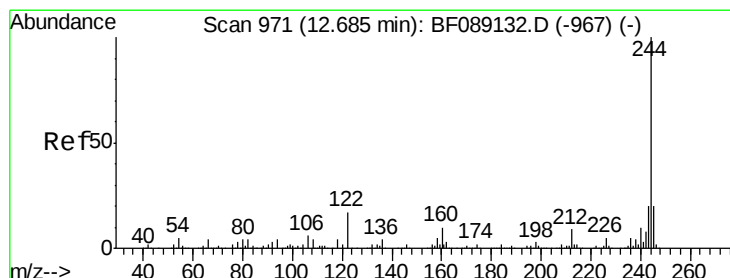
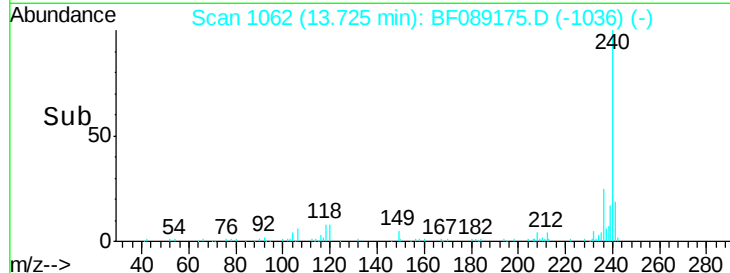
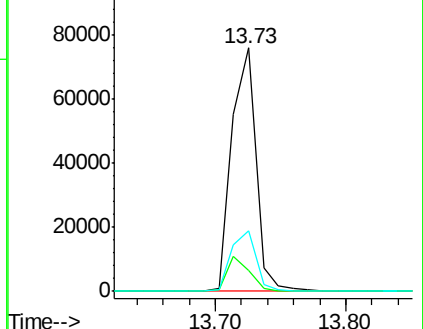
236 24.8 20.5 30.7



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



#78

Terphenyl-d14

Concen: 74.25 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF089175.D

Acq: 21 Jul 2016 12:43

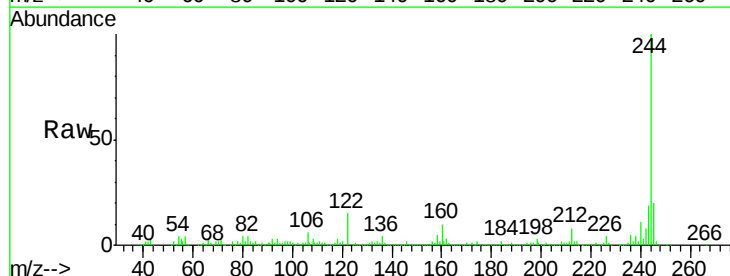
Tgt Ion:244 Resp: 335091

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.4

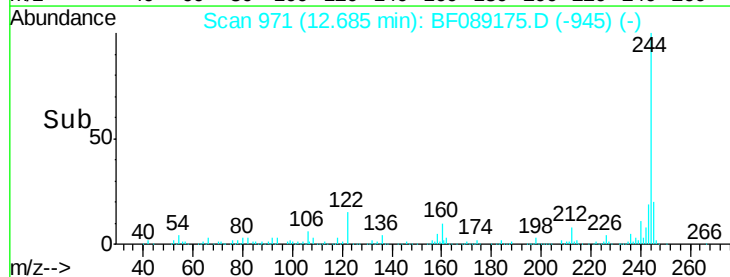
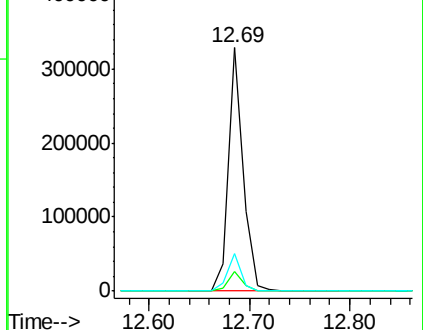
122 15.4 13.8 20.8

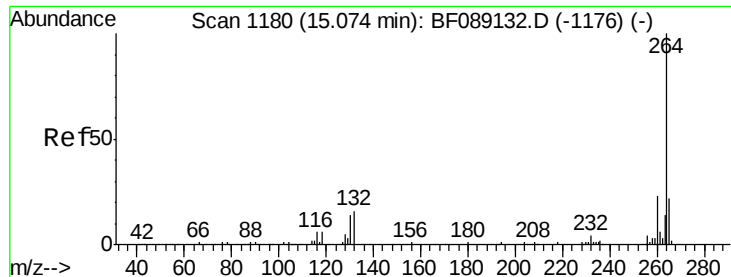


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

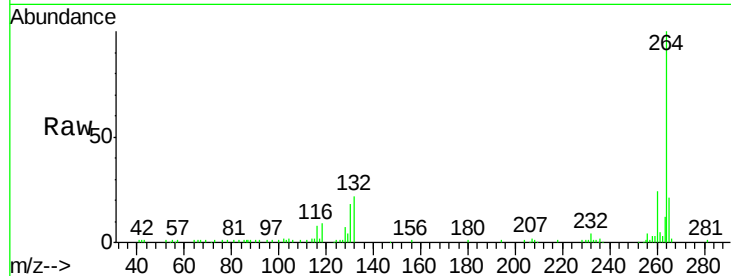




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF089175.D
Acq: 21 Jul 2016 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.4	17.3	25.9



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

