

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084273.D
 Acq On : 5 Jan 2016 8:43
 Operator : UM/SJ
 Sample : G4949-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 09:46:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	277884	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1151431	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	490308	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	850296	20.00	ng	0.00
75) Chrysene-d12	14.05	240	621235	20.00	ng	-0.01
86) Perylene-d12	15.49	264	571585	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	2304383	134.13	ng	0.02
7) Phenol-d6	6.54	99	3103061	143.81	ng	0.01
23) Nitrobenzene-d5	7.46	82	1870050	90.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	501782	101.37	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2898165	105.51	ng	0.00
78) Terphenyl-d14	13.00	244	2134544	76.70	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.05	79	37880	2.09	ng	# 44
18) Hexachloroethane	7.42	117	29642	3.68	ng	# 24
32) Benzoic acid	7.97	122	5613	6.64	ng	# 1
35) Caprolactam	8.60	113	90417	16.66	ng	# 1
37) 2-Methylnaphthalene	8.89	142	140724	3.75	ng	# 92
49) Dimethylphthalate	9.65	163	576169	16.44	ng	# 92
51) Acenaphthene	9.96	154	67902	2.24	ng	# 83
53) 2,4-Dinitrophenol	10.01	184	1653	4.04	ng	# 1
54) Dibenzofuran	10.14	168	54859	Below Cal		# 1
55) 4-Nitrophenol	10.04	139	55349	8.00	ng	# 68
56) 2,4-Dinitrotoluene	10.14	165	23891	2.46	ng	# 61
57) Fluorene	10.49	166	134682	2.17	ng	# 92
60) 4-Chlorophenyl-phenylether	10.50	204	2260	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.56	198	2771	6.81	ng	# 1
65) n-Nitrosodiphenylamine	10.60	169	323030	11.88	ng	# 45
66) 4-Bromophenyl-phenylether	10.73	248	33423	3.65	ng	# 1
70) Phenanthrene	11.45	178	324468	7.30	ng	# 93
73) Di-n-butylphthalate	11.98	149	10639	Below Cal		# 37

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084273.D

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Instrument :

BNA_F

ClientSampleId :

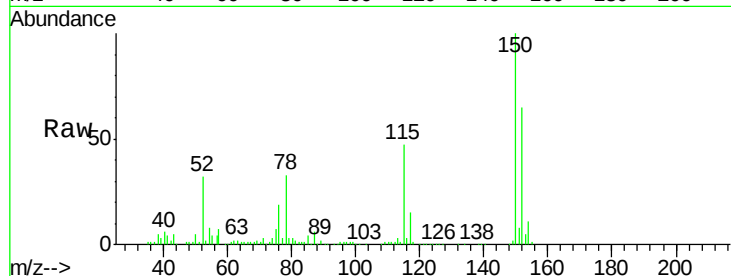
Tot Ion:152 Resp: 277884

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

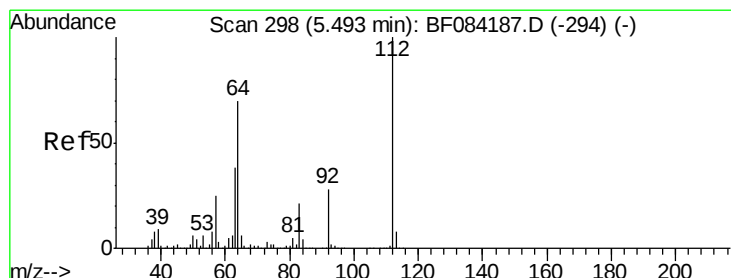
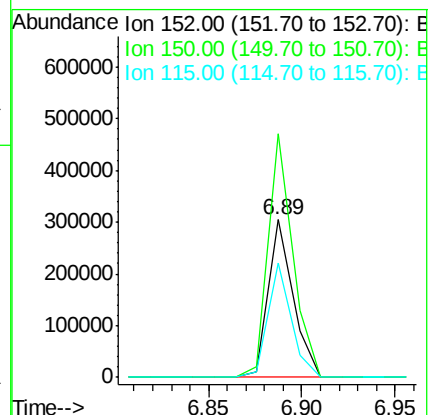
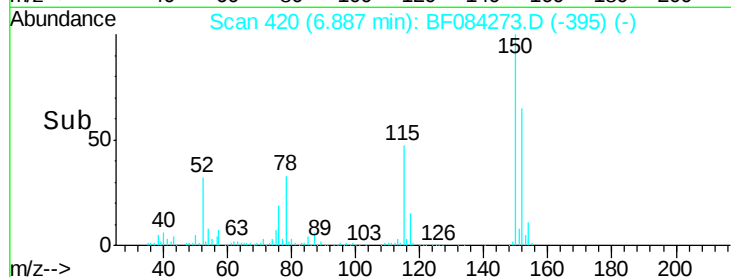
115 72.5 51.4 77.2



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: 134.13 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

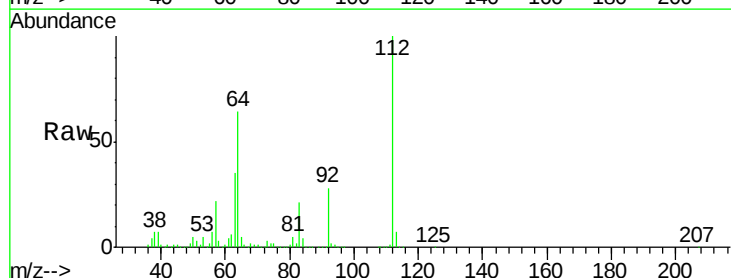
Tgt Ion:112 Resp: 2304383

Ion Ratio Lower Upper

112 100

64 63.9 36.6 55.0#

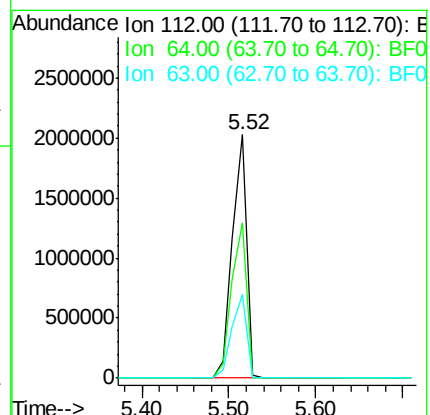
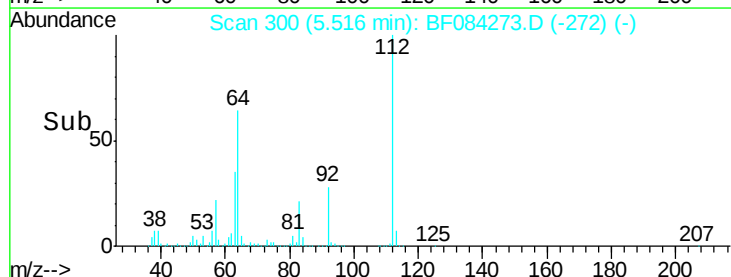
63 34.5 19.4 29.0#



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: 143.81 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampled :

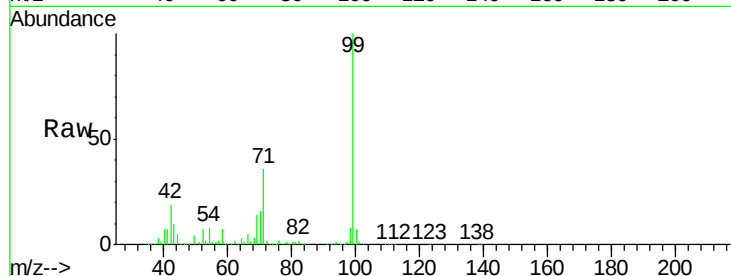
Tot Ion: 99 Resp: 3103061

Ion Ratio Lower Upper

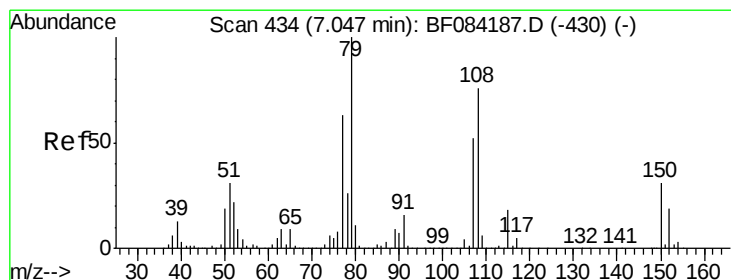
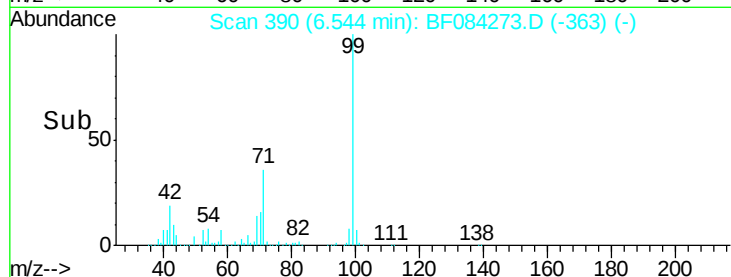
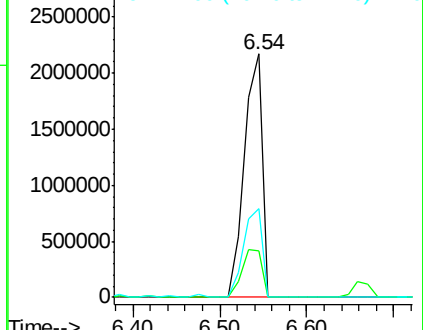
99 100

42 19.3 12.8 19.2#

71 36.4 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

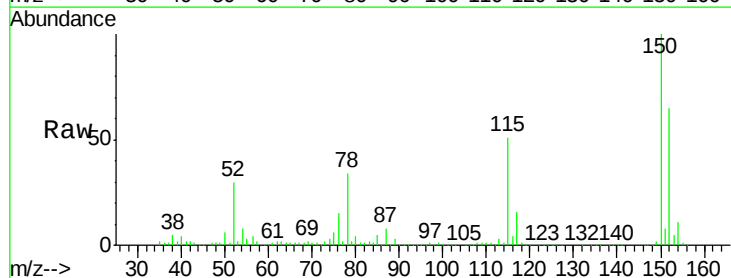
Tgt Ion: 79 Resp: 37880

Ion Ratio Lower Upper

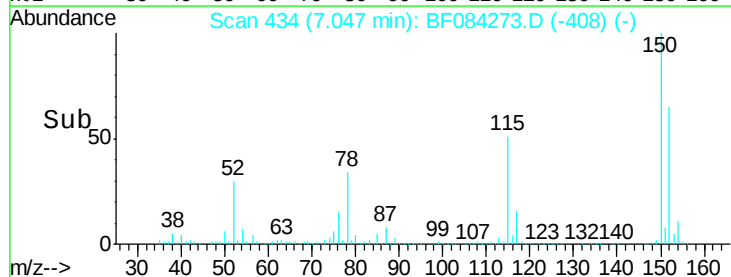
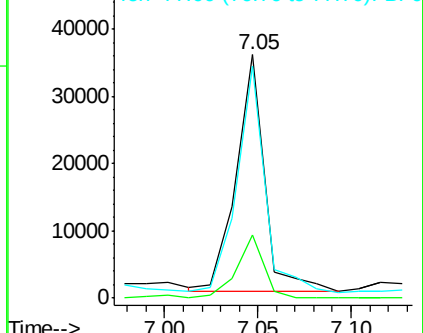
79 100

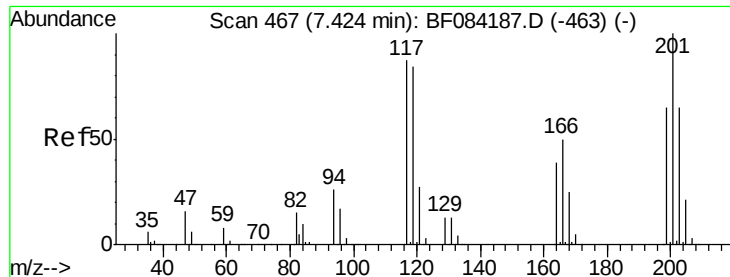
108 25.8 69.0 103.4#

77 95.3 50.0 75.0#



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

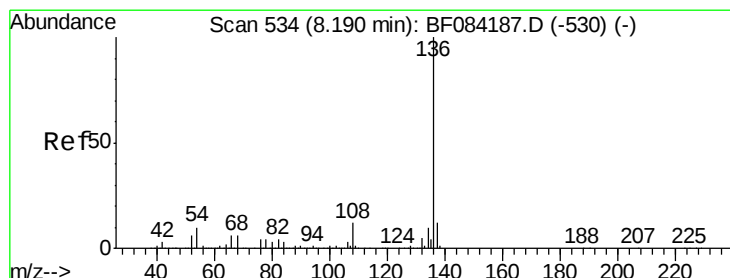
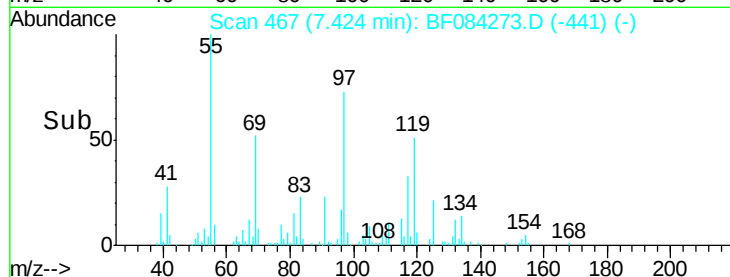
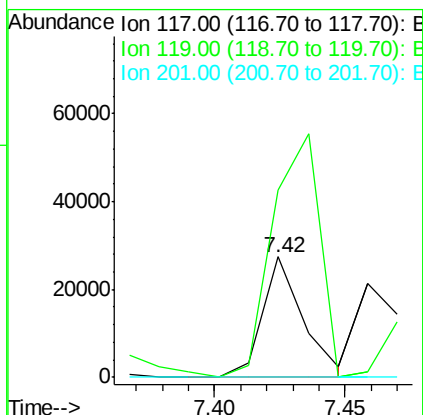
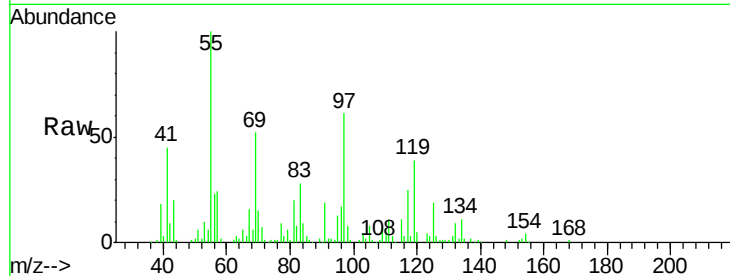




#18
Hexachloroethane
Concen: 3.68 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

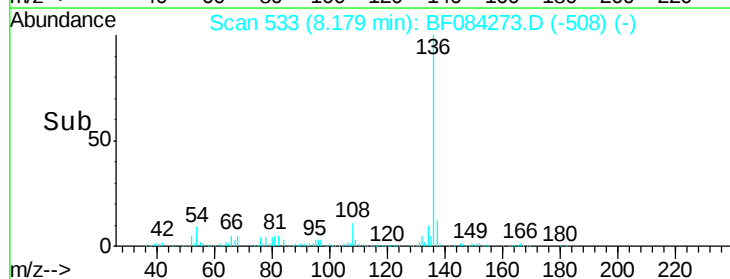
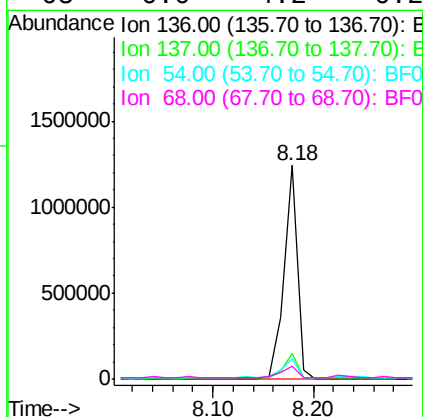
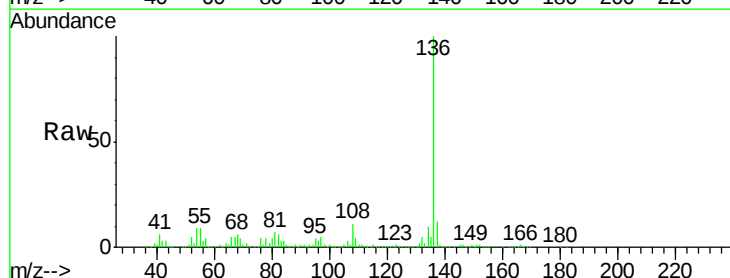
Instrument :
BNA_F
ClientSampleId :

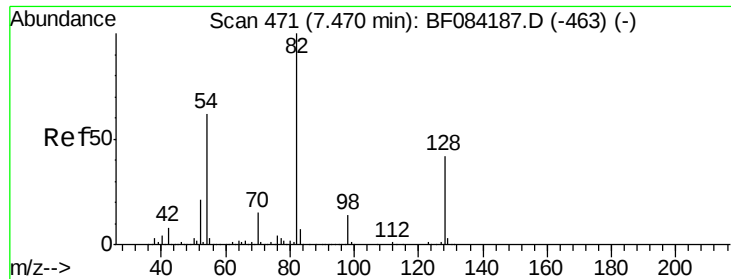
Tot Ion:117 Resp: 29642
Ion Ratio Lower Upper
117 100
119 155.7 77.4 116.0#
201 0.0 68.6 103.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

Tgt Ion:136 Resp: 1151431
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 9.4 5.8 8.8#
68 6.0 4.2 6.2

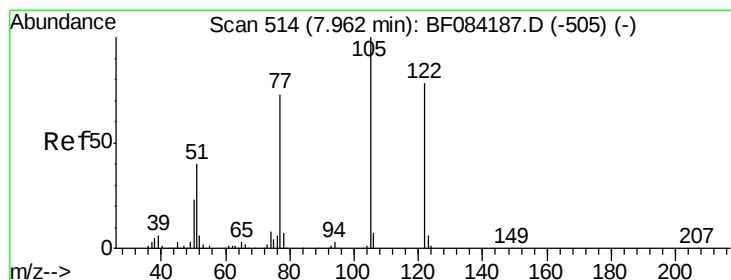
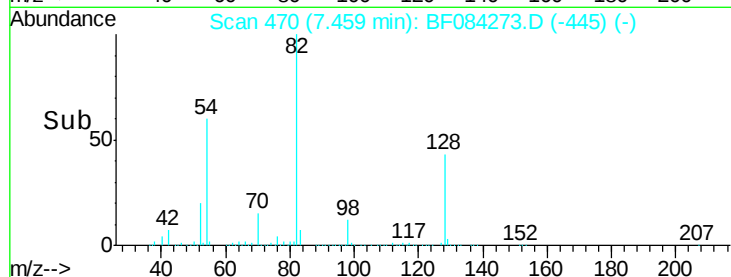
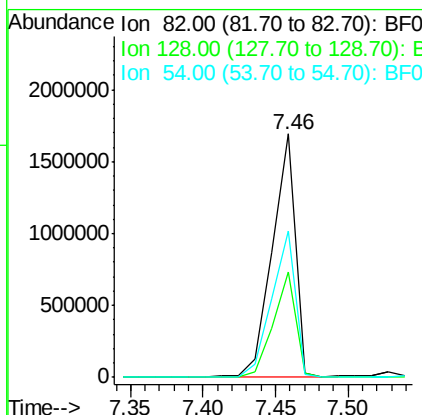
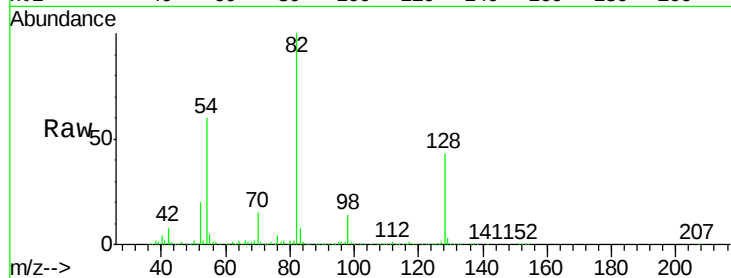




#23
 Nitrobenzene-d5
 Concen: 90.39 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084273.D
 Acq: 5 Jan 2016 8:43

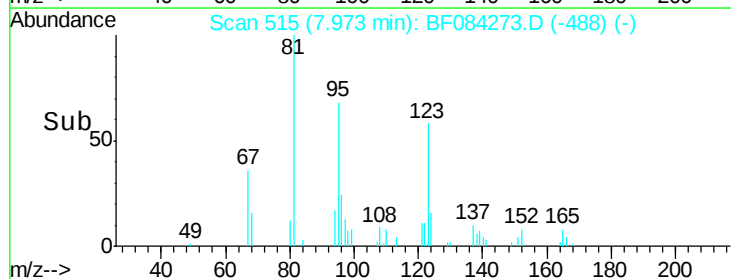
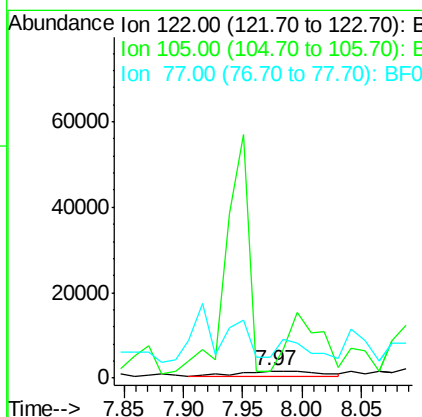
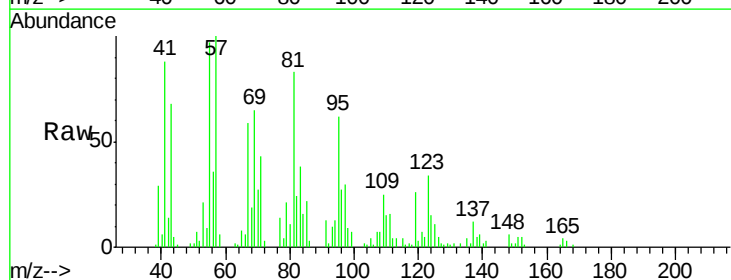
Instrument :
 BNA_F
 ClientSampleId :

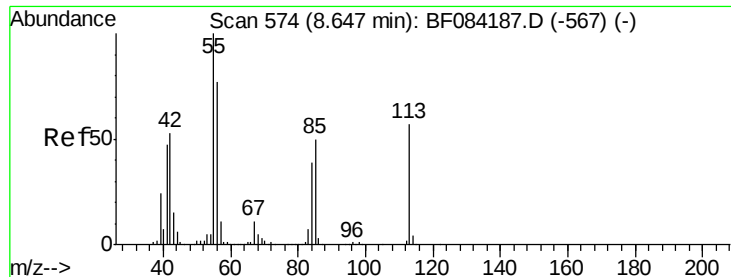
Tot Ion: 82 Resp: 1870050
 Ion Ratio Lower Upper
 82 100
 128 43.3 34.6 51.8
 54 60.4 38.4 57.6#



#32
 Benzoic acid
 Concen: 6.64 ng
 RT: 7.97 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: BF084273.D
 Acq: 5 Jan 2016 8:43

Tgt Ion: 122 Resp: 5613
 Ion Ratio Lower Upper
 122 100
 105 90.8 100.3 140.3#
 77 289.4 63.5 103.5#





#35

Caprolactam

Concen: 16.66 ng

RT: 8.60 min Scan# 570

Delta R.T. -0.05 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

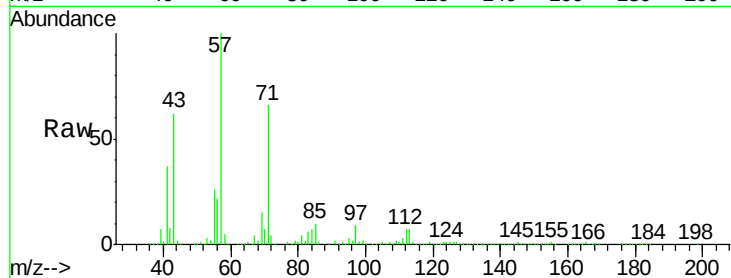
Tot Ion:113 Resp: 90417

Ion Ratio Lower Upper

113 100

55 348.7 116.9 156.9#

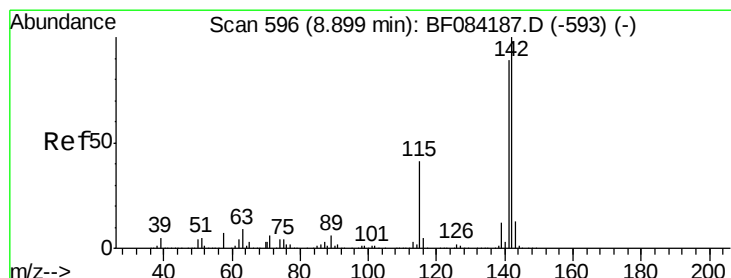
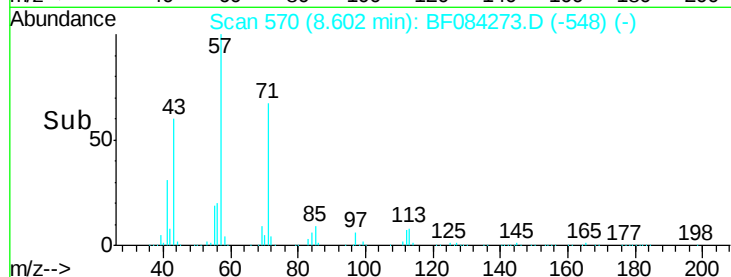
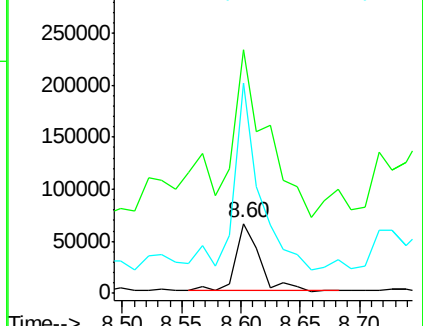
56 300.5 93.8 133.8#



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



#37

2-Methylnaphthalene

Concen: 3.75 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

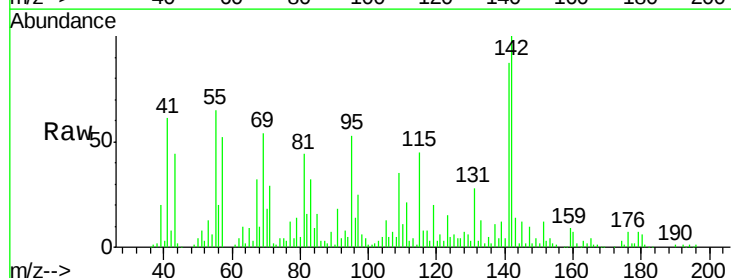
Tgt Ion:142 Resp: 140724

Ion Ratio Lower Upper

142 100

141 87.1 72.4 108.6

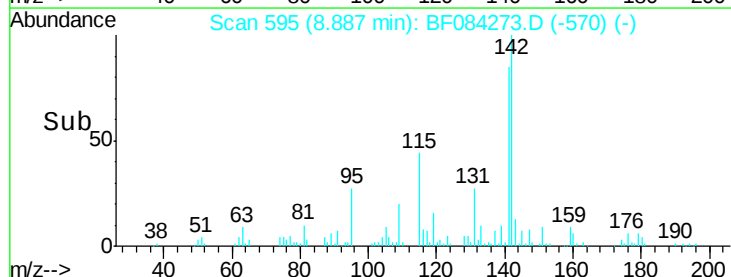
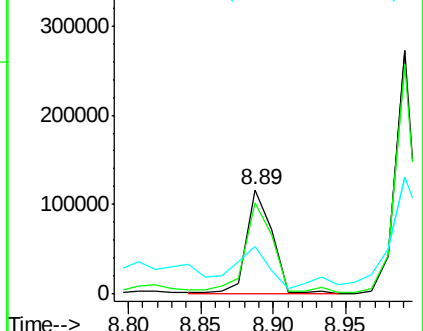
115 45.4 27.9 41.9#

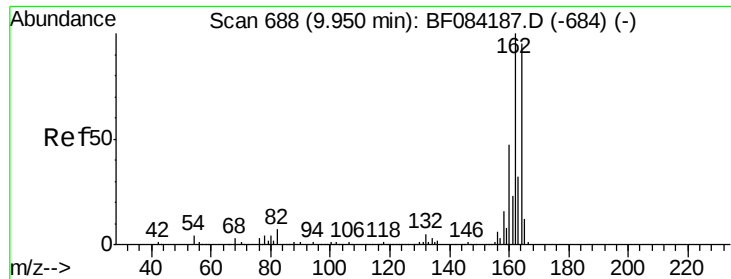


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

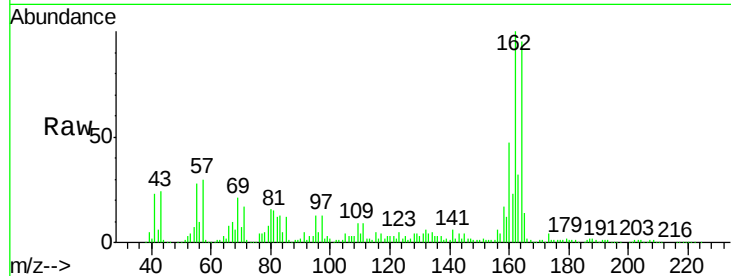
Tot Ion:164 Resp: 490308

Ion Ratio Lower Upper

164 100

162 105.8 85.1 127.7

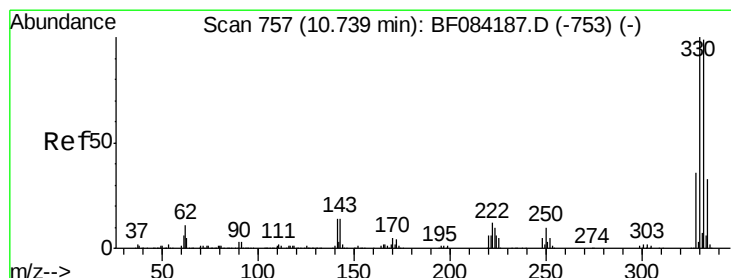
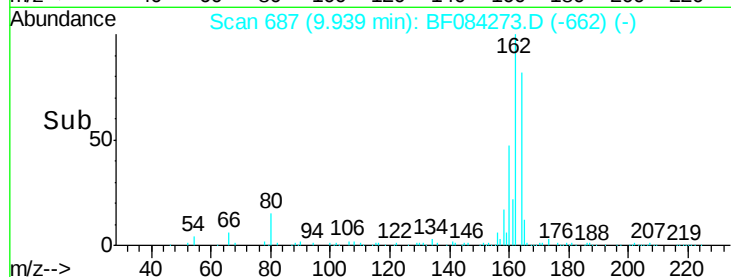
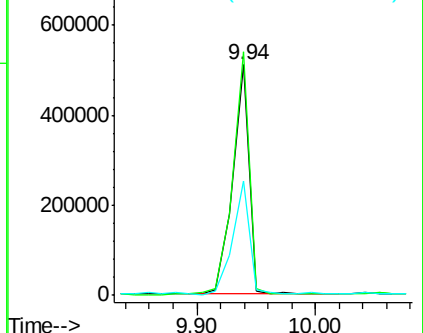
160 49.7 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 101.37 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

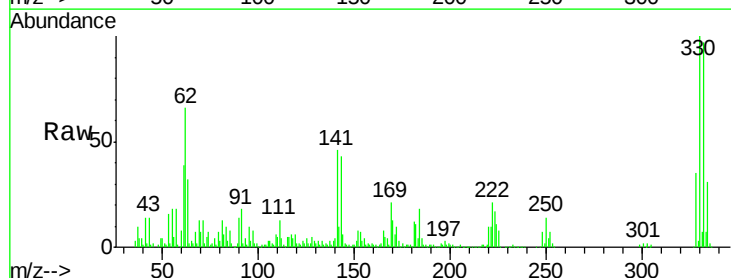
Tgt Ion:330 Resp: 501782

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

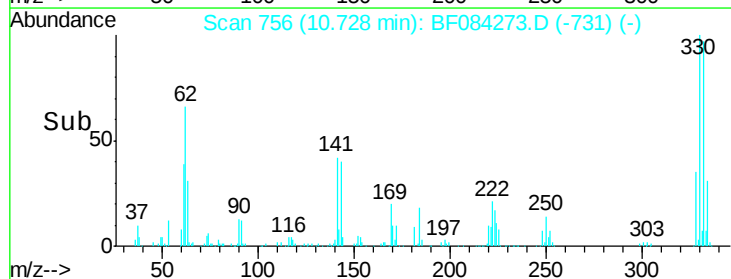
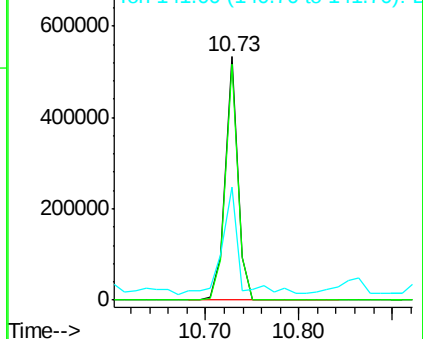
141 50.2 27.8 41.6#

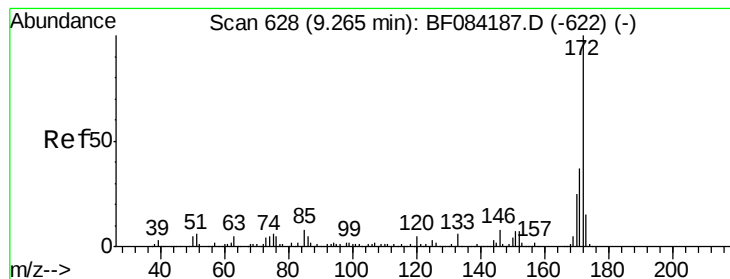


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 105.51 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

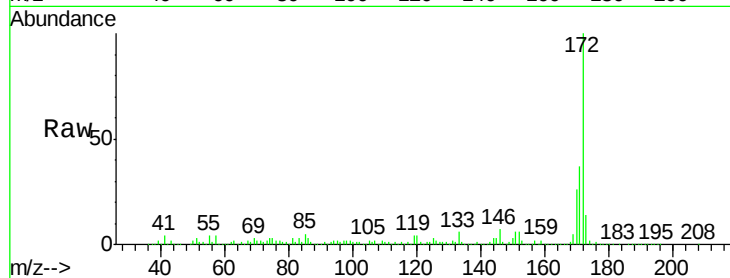
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 2898165

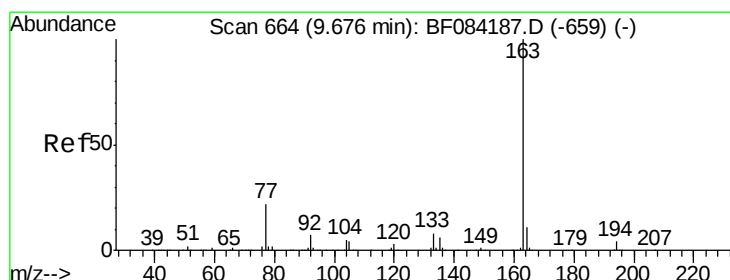
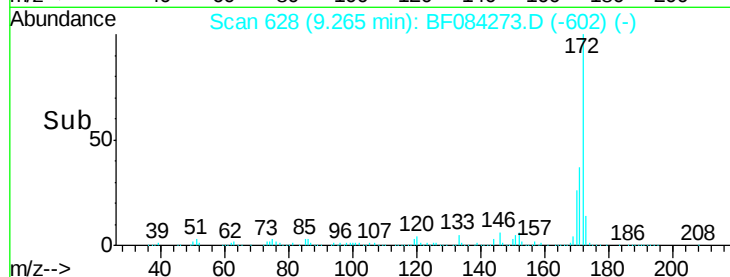
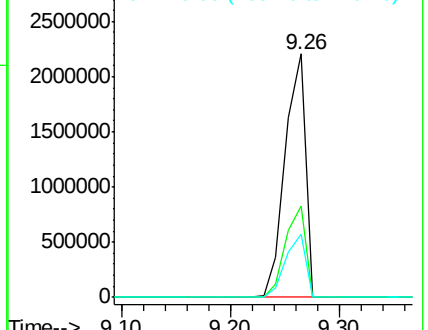
Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.9	43.3
170	25.7	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 16.44 ng

RT: 9.65 min Scan# 662

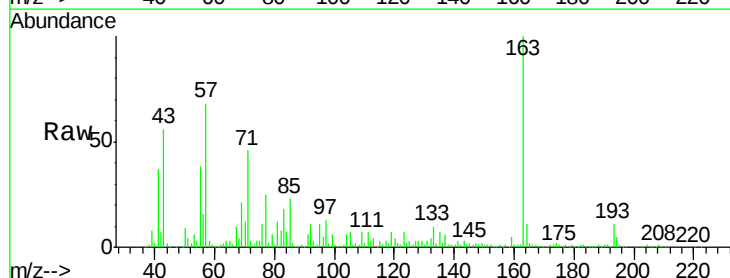
Delta R.T. -0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Tgt Ion:163 Resp: 576169

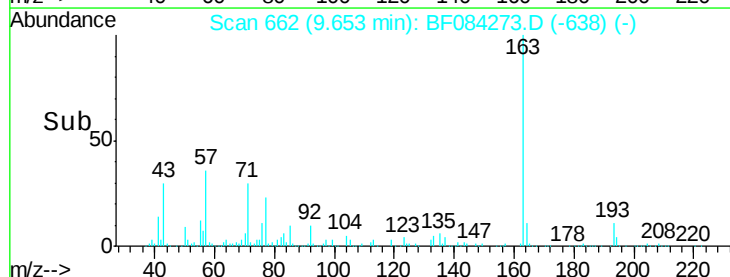
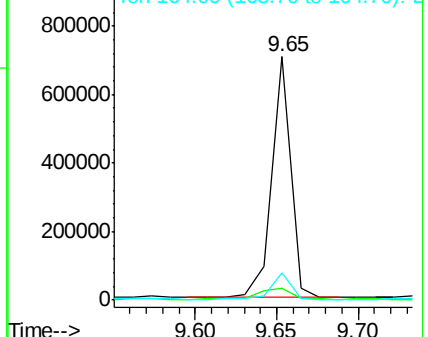
Ion	Ratio	Lower	Upper
163	100		
194	5.2	8.0	12.0#
164	11.0	8.0	12.0

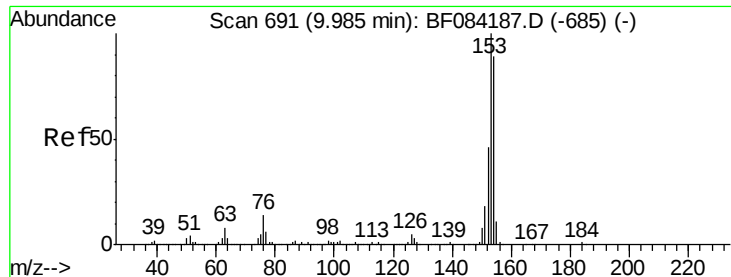


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.24 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampled :

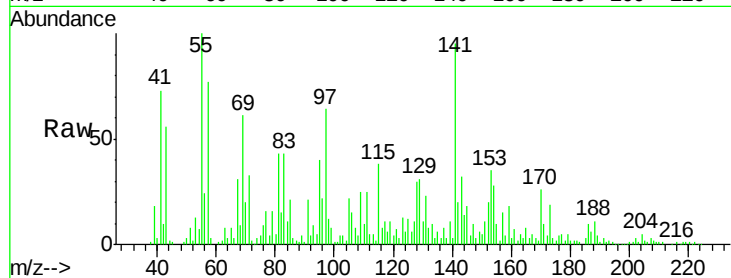
Tot Ion:154 Resp: 67902

Ion Ratio Lower Upper

154 100

153 126.8 91.5 137.3

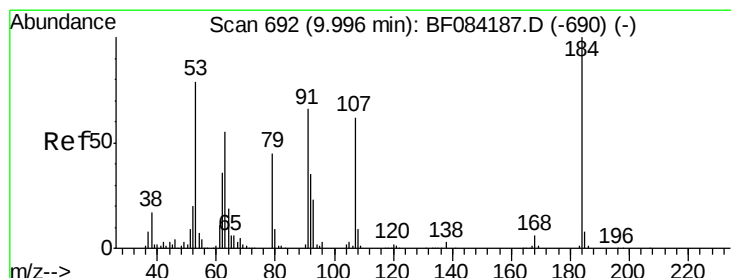
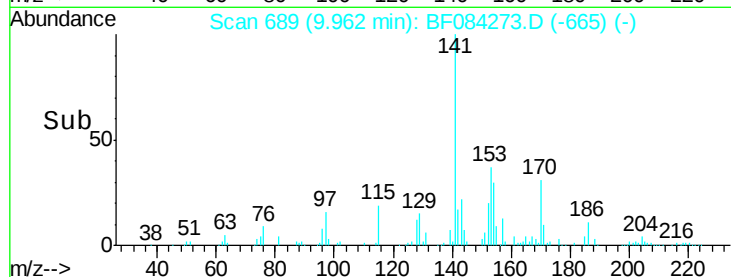
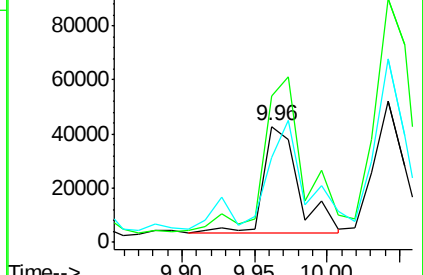
152 73.3 43.0 64.6#



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



#53

2,4-Dinitrophenol

Concen: 4.04 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

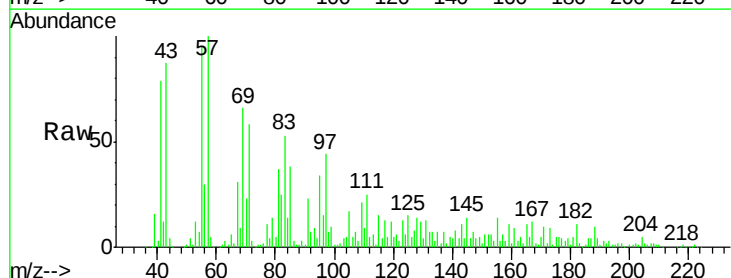
Tgt Ion:184 Resp: 1653

Ion Ratio Lower Upper

184 100

63 713.9 43.1 64.7#

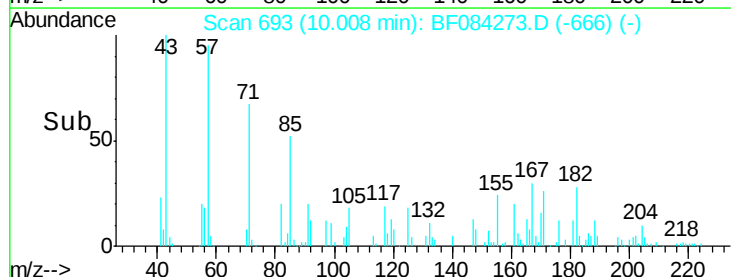
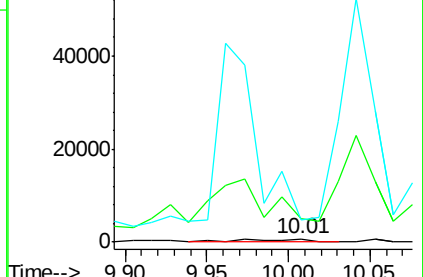
154 687.5 60.5 90.7#

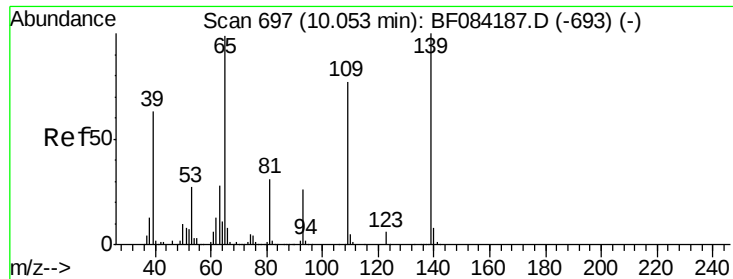


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

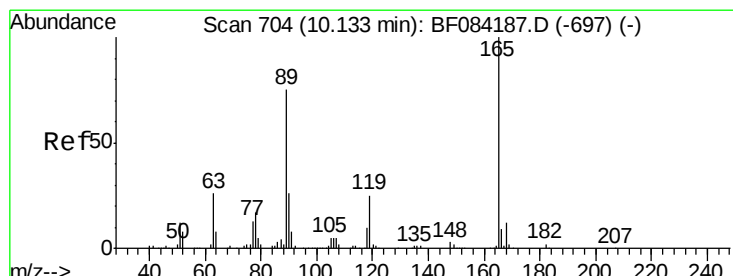
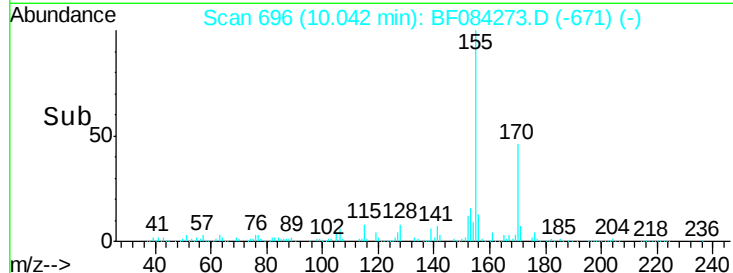
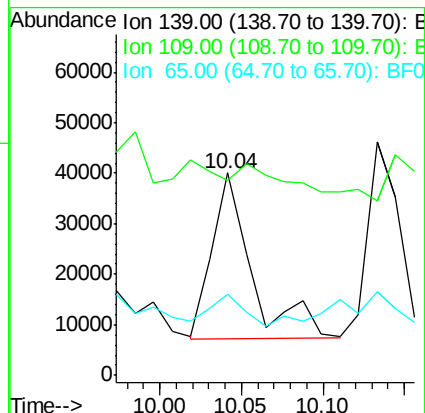
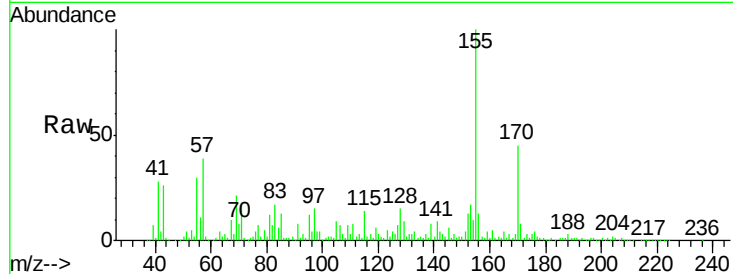




#55
4-Nitrophenol
Concen: 8.00 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

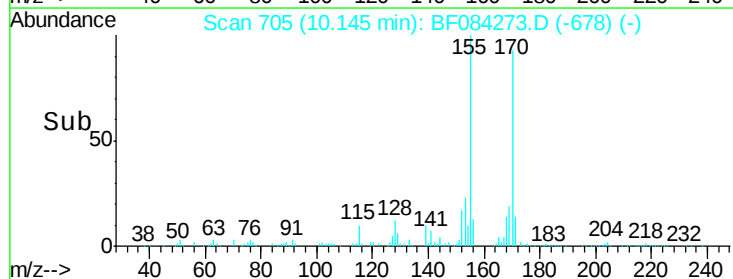
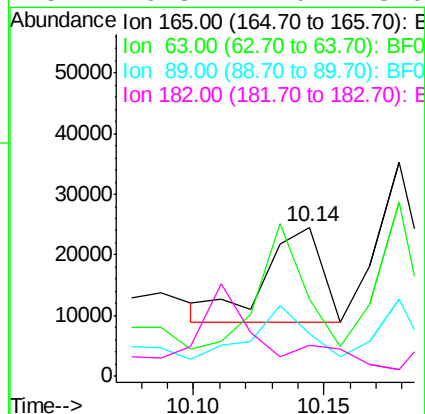
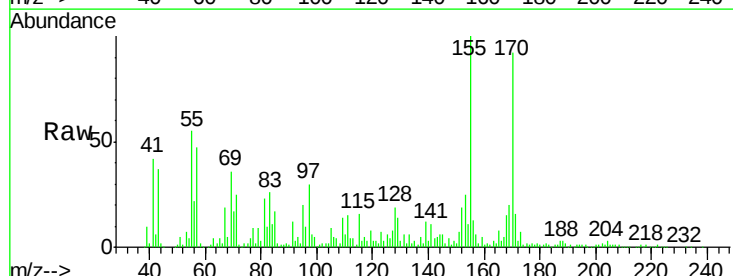
Instrument :
BNA_F
ClientSampleId :

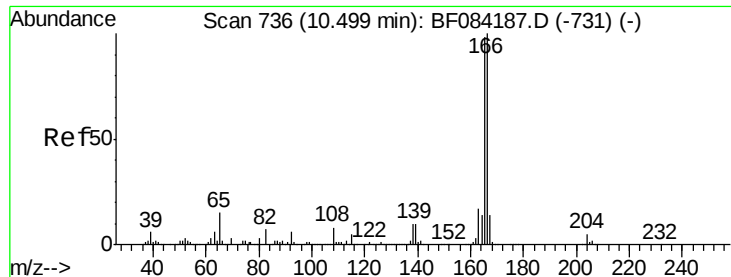
Tot Ion:139 Resp: 55349
Ion Ratio Lower Upper
139 100
109 96.6 58.5 98.5
65 39.8 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 2.46 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

Tgt Ion:165 Resp: 23891
Ion Ratio Lower Upper
165 100
63 51.3 36.7 55.1
89 28.5 61.9 92.9#
182 20.3 2.0 3.0#





#57

Fluorene

Concen: 2.17 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampled :

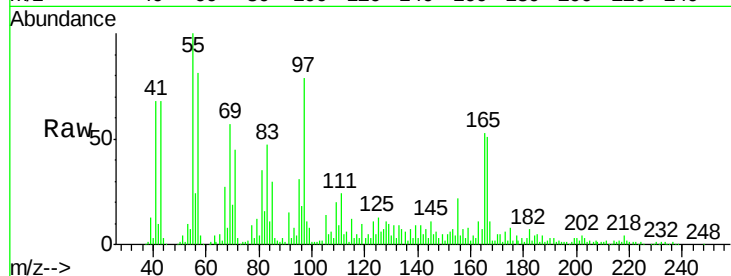
Tot Ion:166 Resp: 134682

Ion Ratio Lower Upper

166 100

165 105.0 79.1 118.7

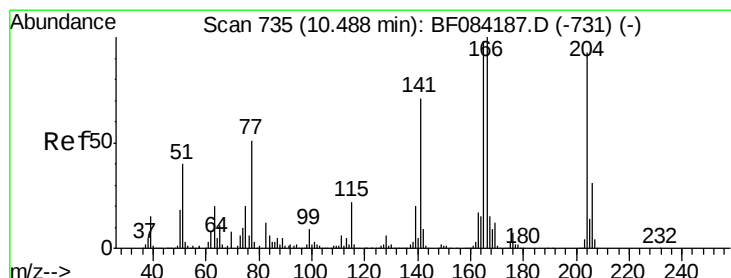
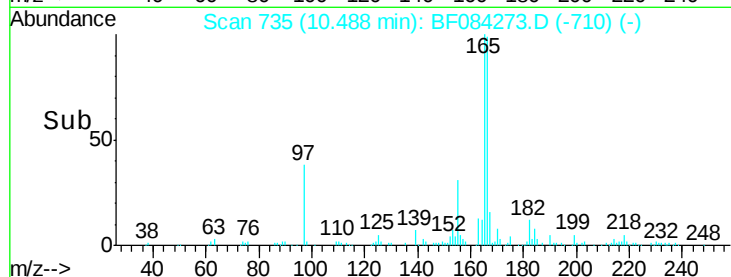
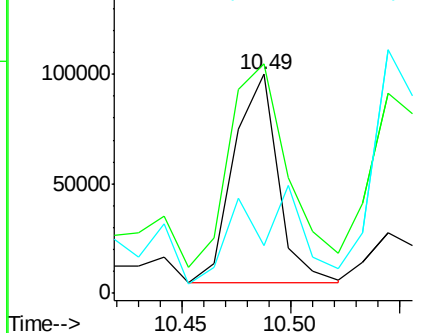
167 22.0 10.4 15.6#



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



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.50 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

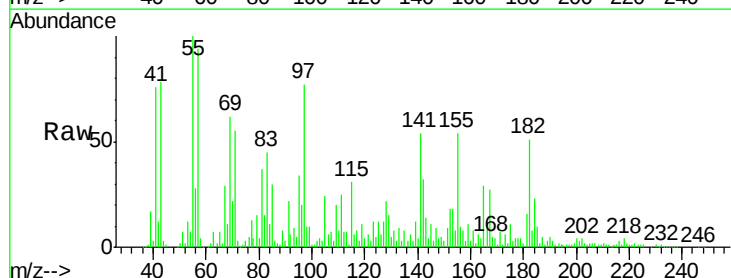
Tgt Ion:204 Resp: 2260

Ion Ratio Lower Upper

204 100

206 115.5 25.7 38.5#

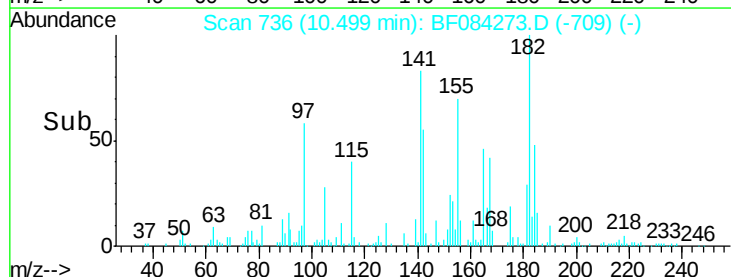
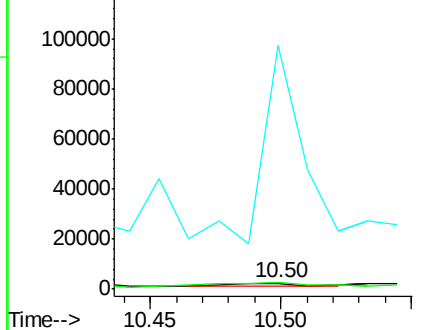
141 3959.3 55.1 82.7#

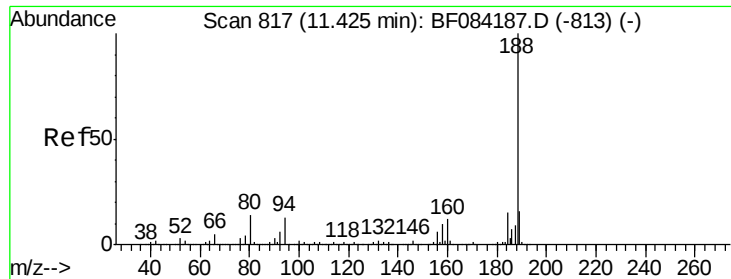


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

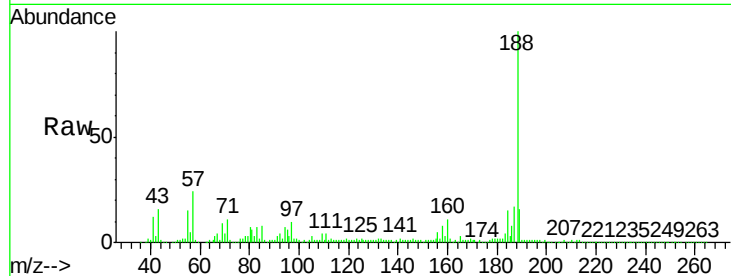




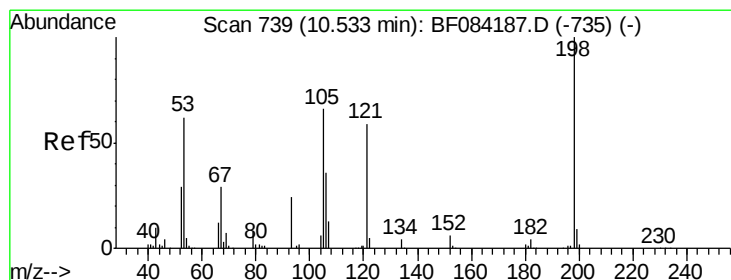
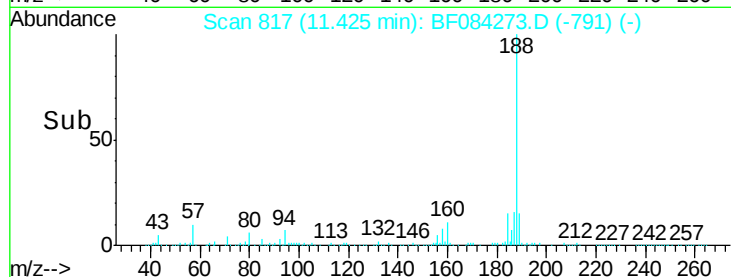
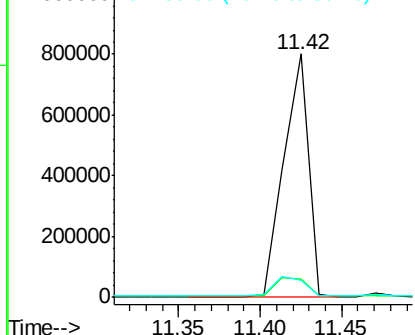
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 850296
Ion Ratio Lower Upper
188 100
94 7.4 9.0 13.4#
80 7.3 9.6 14.4#

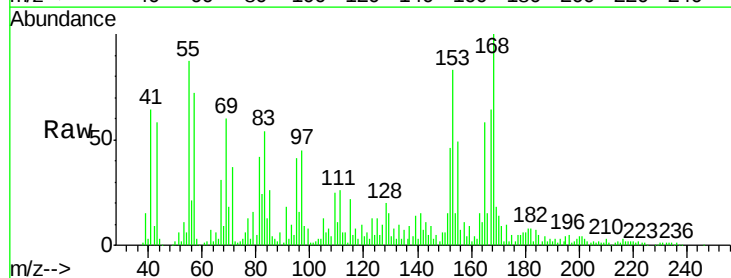


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

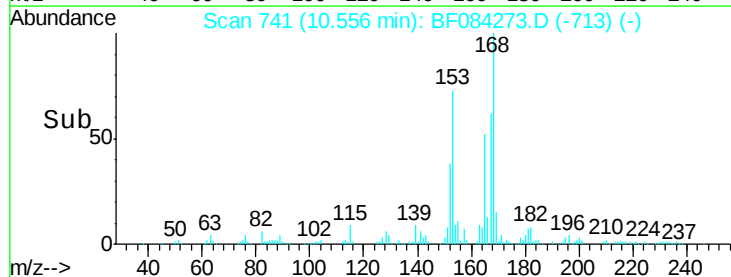
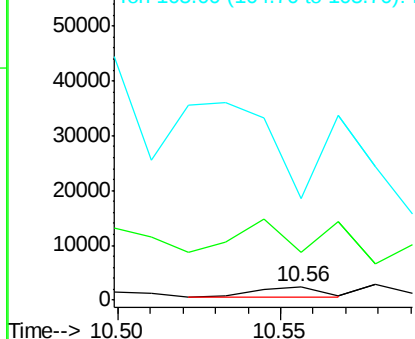


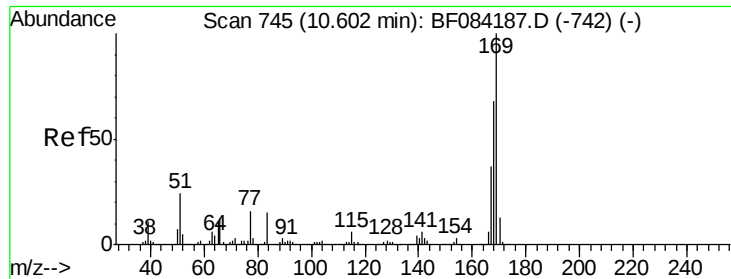
#64
4,6-Dinitro-2-methylphenol
Concen: 6.81 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.02 min
Lab File: BF084273.D
Acq: 5 Jan 2016 8:43

Tgt Ion:198 Resp: 2771
Ion Ratio Lower Upper
198 100
51 364.8 18.9 58.9#
105 768.5 26.4 66.4#



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: 11.88 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

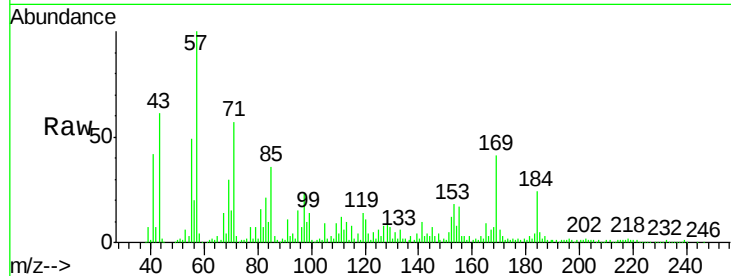
Tot Ion:169 Resp: 323030

Ion Ratio Lower Upper

169 100

168 17.3 55.1 82.7#

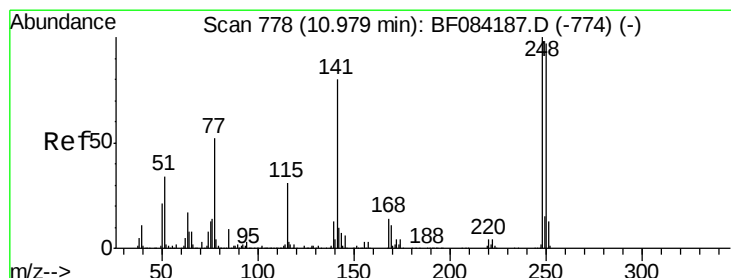
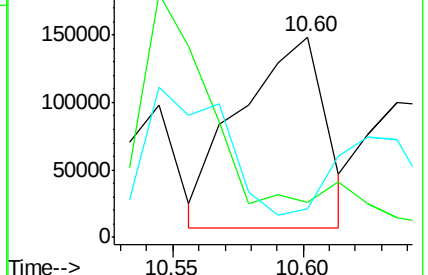
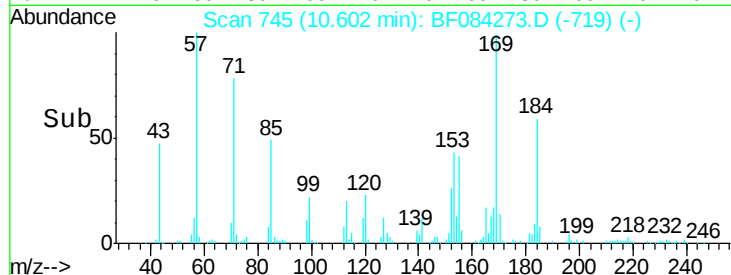
167 14.0 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.65 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

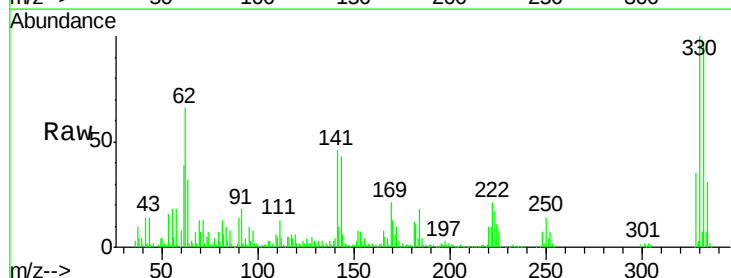
Tgt Ion:248 Resp: 33423

Ion Ratio Lower Upper

248 100

250 196.2 78.4 117.6#

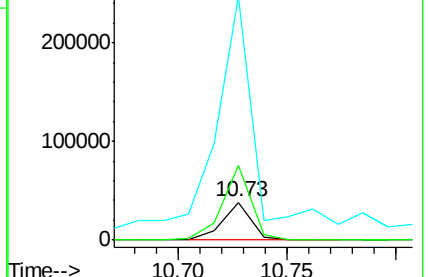
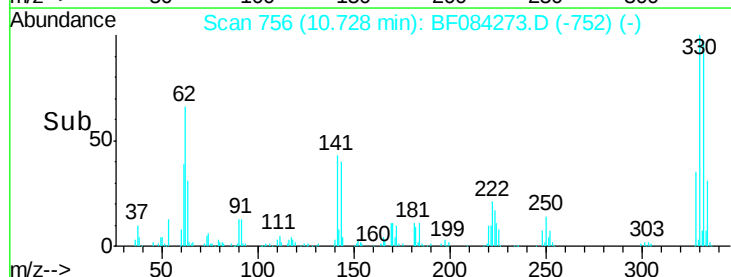
141 642.5 44.0 66.0#

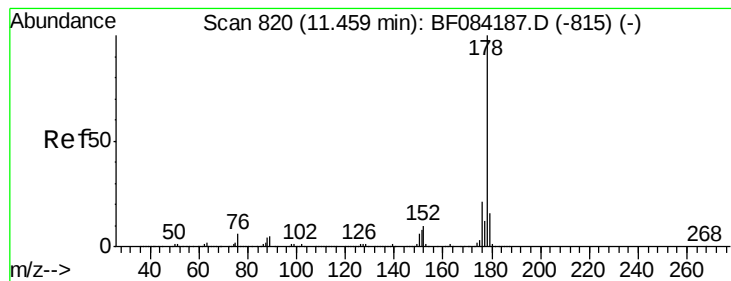


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.30 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

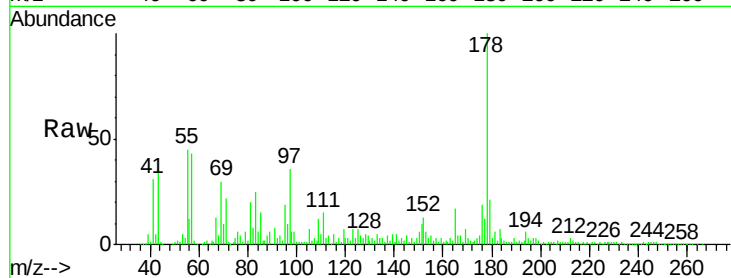
Tot Ion:178 Resp: 324468

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

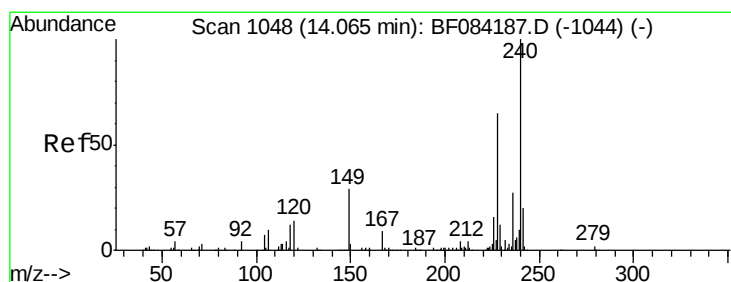
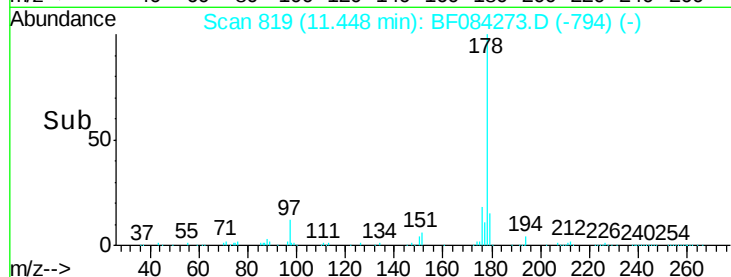
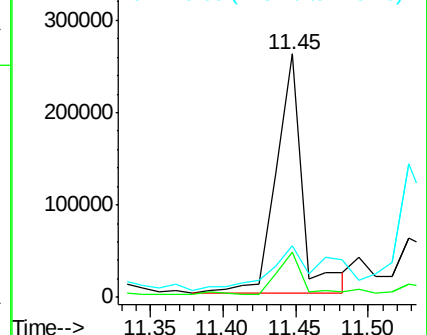
179 21.2 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

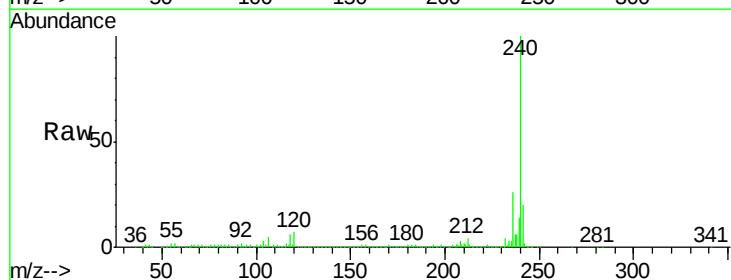
Tgt Ion:240 Resp: 621235

Ion Ratio Lower Upper

240 100

120 7.3 9.5 14.3#

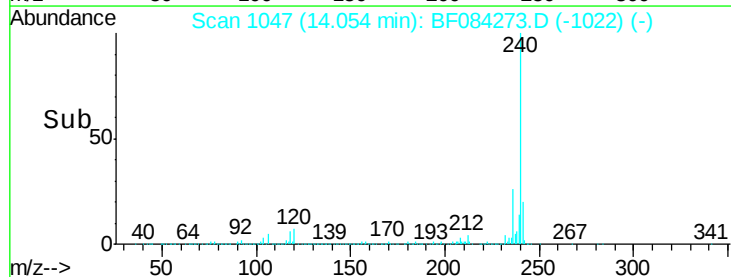
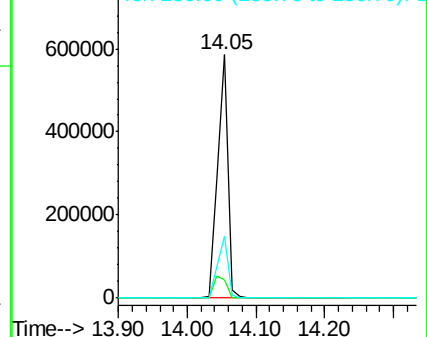
236 25.5 20.6 31.0

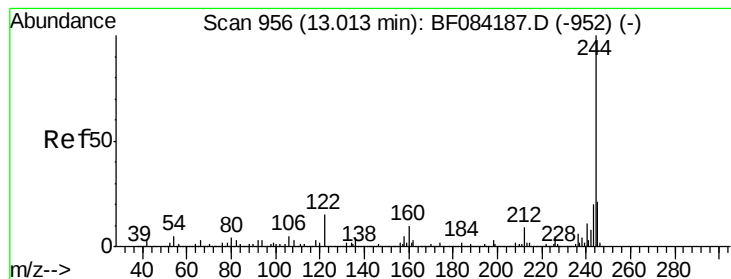


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 76.70 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

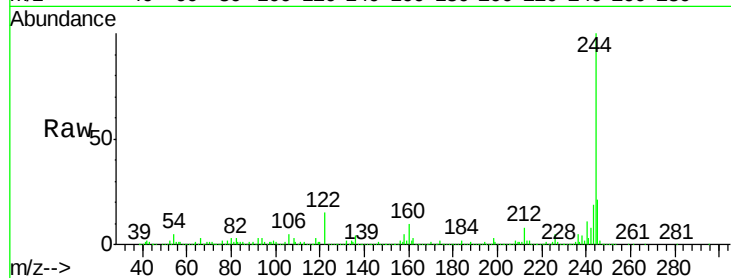
Tot Ion:244 Resp: 2134544

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

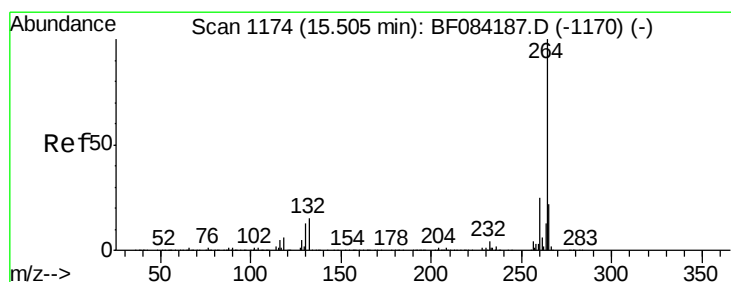
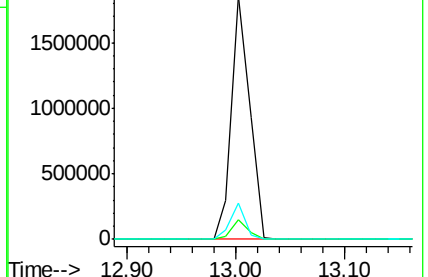
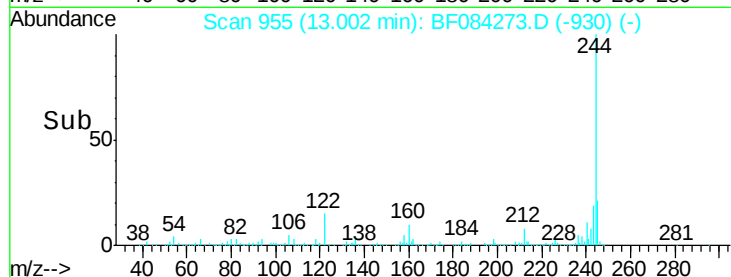
122 14.9 7.4 11.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

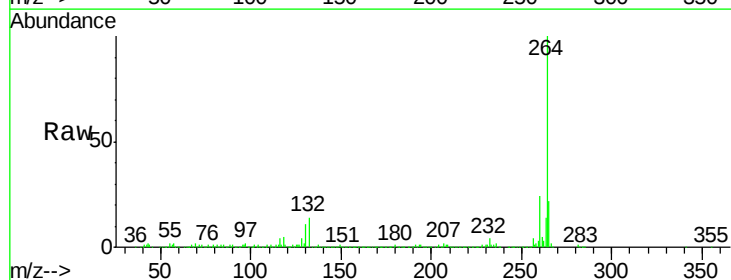
Tgt Ion:264 Resp: 571585

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.3 17.8 26.6



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

