

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084217.D
 Acq On : 1 Jan 2016 1:35
 Operator : UM/SJ
 Sample : G4982-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0535

Quant Time: Jan 01 23:45:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

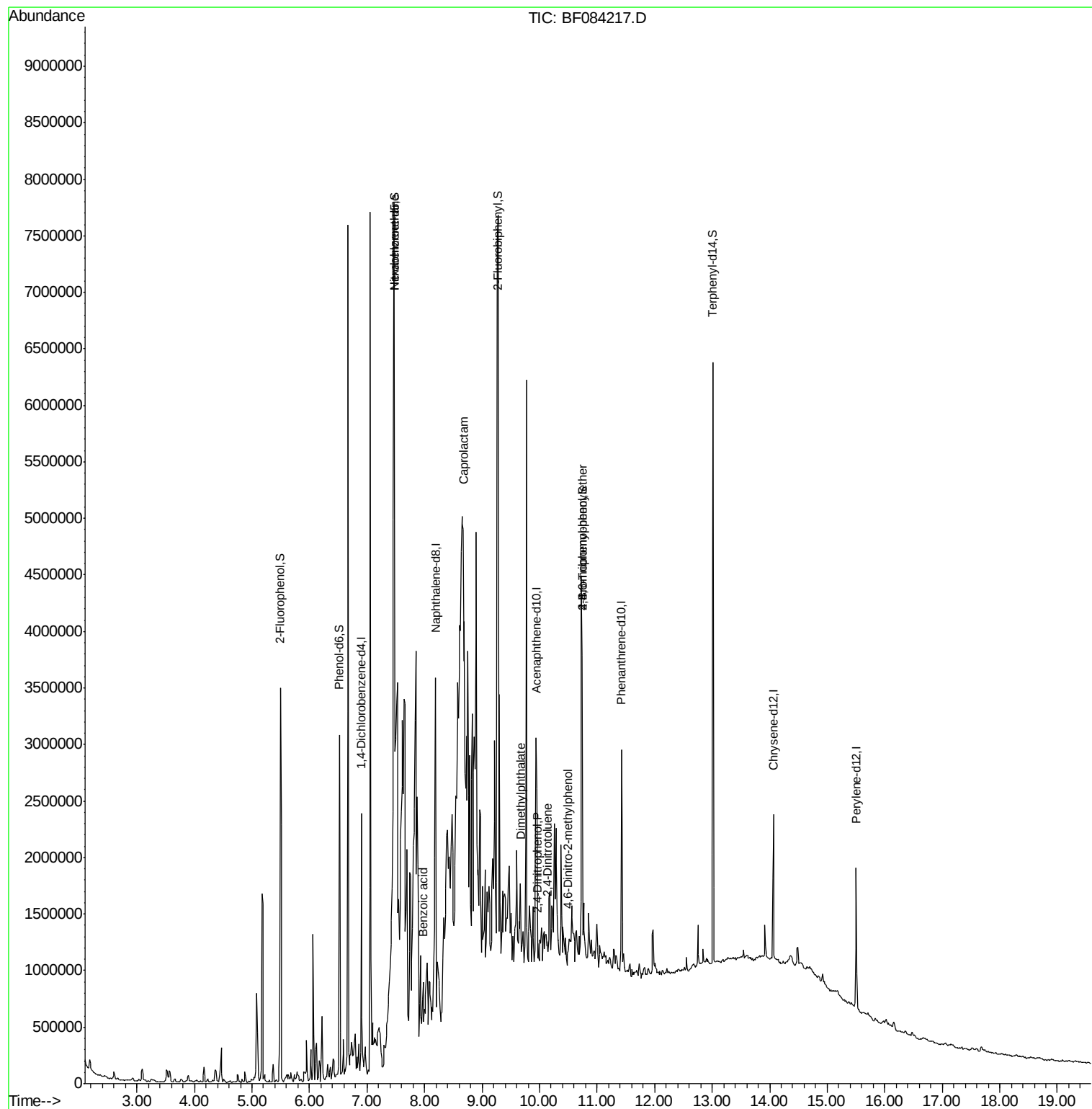
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	296428	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1168316	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	461669	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	659017	20.00	ng	0.00
75) Chrysene-d12	14.07	240	546063	20.00	ng	0.00
86) Perylene-d12	15.51	264	575786	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1156216	63.09	ng	0.00
7) Phenol-d6	6.52	99	856685	37.22	ng	-0.01
23) Nitrobenzene-d5	7.47	82	2069576	98.59	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	593826	127.40	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	3020047	117.50	ng	0.01
78) Terphenyl-d14	13.01	244	1545010	63.16	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.47	117	103788	12.07	ng	# 7
32) Benzoic acid	7.97	122	81824	11.89	ng	# 23
35) Caprolactam	8.67	113	286026	51.93	ng	# 1
49) Dimethylphthalate	9.66	163	137098	4.15	ng	# 90
53) 2,4-Dinitrophenol	9.96	184	1100	3.90	ng	# 1
54) Dibenzofuran	10.28	168	47354	Below Cal		94
56) 2,4-Dinitrotoluene	10.13	165	23206	2.53	ng	# 46
57) Fluorene	10.49	166	4083	Below Cal		# 8
60) 4-Chlorophenyl-phenylether	10.44	204	882	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.49	198	648	6.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	37229	5.25	ng	# 1
73) Di-n-butylphthalate	12.00	149	4531	Below Cal		# 17

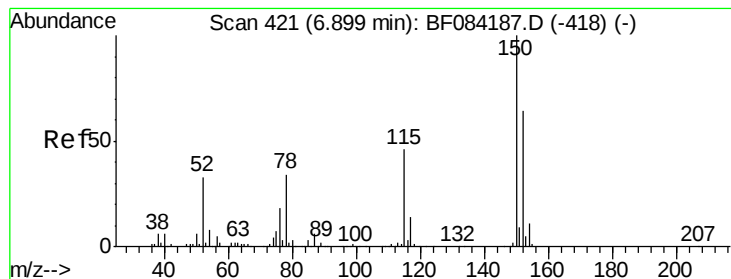
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

BNA_F

ClientSampleId :

S8-0535

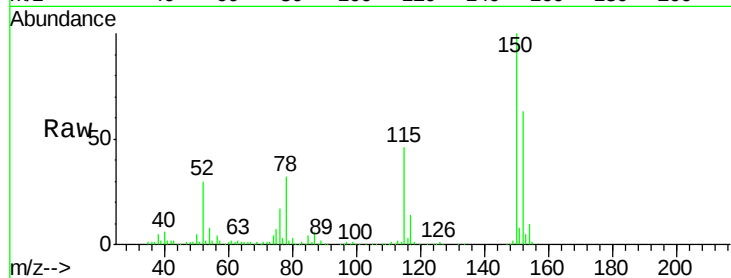
Tgt Ion:152 Resp: 296428

Ion Ratio Lower Upper

152 100

150 157.9 123.0 184.4

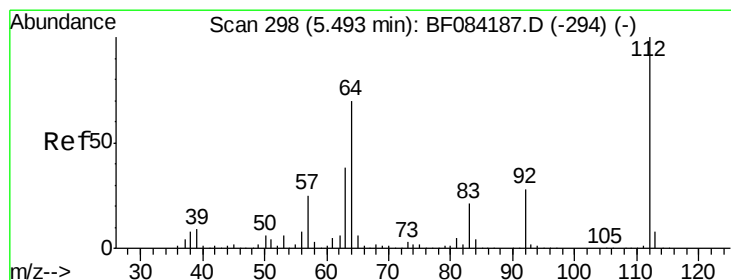
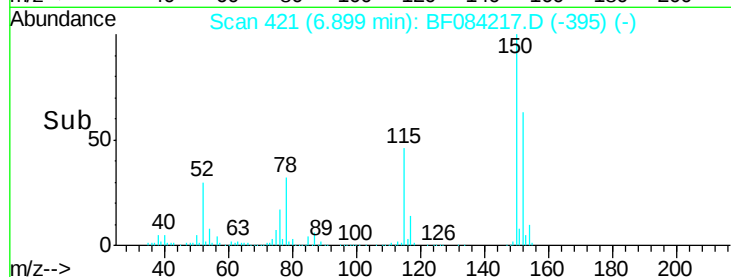
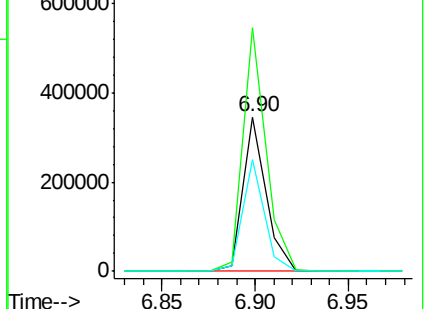
115 72.3 51.4 77.2



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: 63.09 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

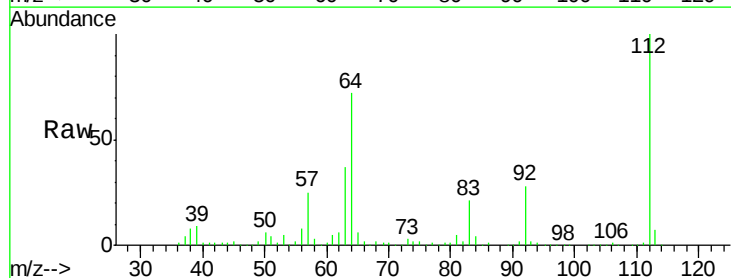
Tgt Ion:112 Resp: 1156216

Ion Ratio Lower Upper

112 100

64 72.0 36.6 55.0#

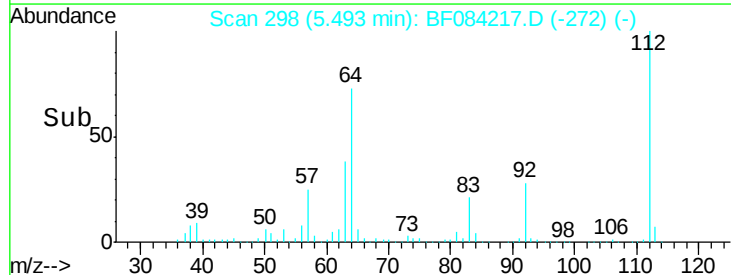
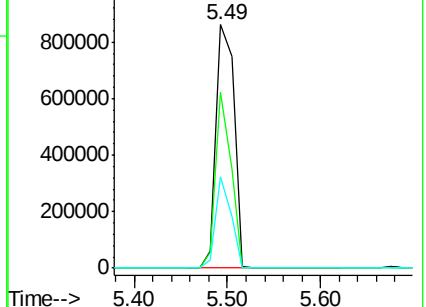
63 37.4 19.4 29.0#



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: 37.22 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

BNA_F

ClientSampleId :

S8-0535

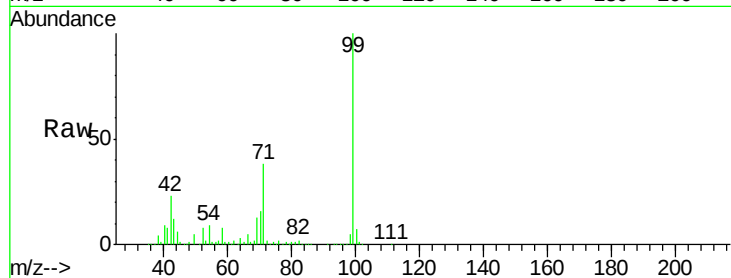
Tgt Ion: 99 Resp: 856685

Ion Ratio Lower Upper

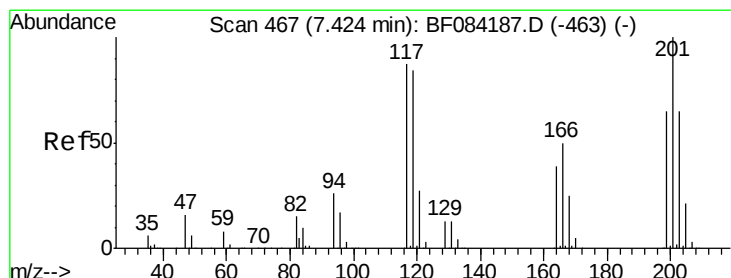
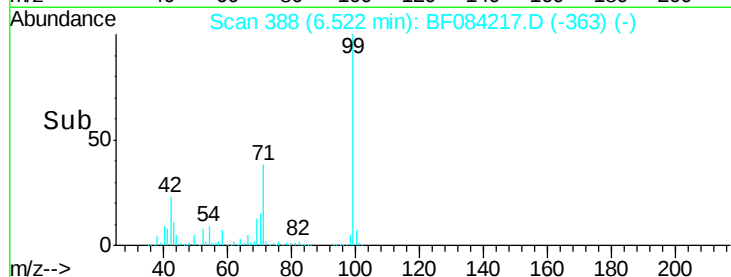
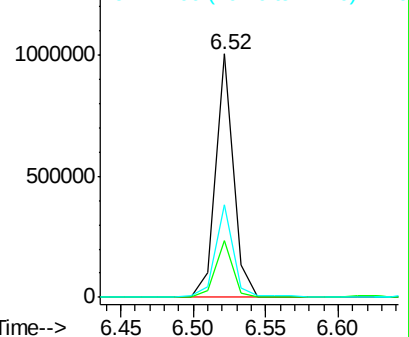
99 100

42 23.5 12.8 19.2#

71 37.8 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



#18

Hexachloroethane

Concen: 12.07 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.05 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

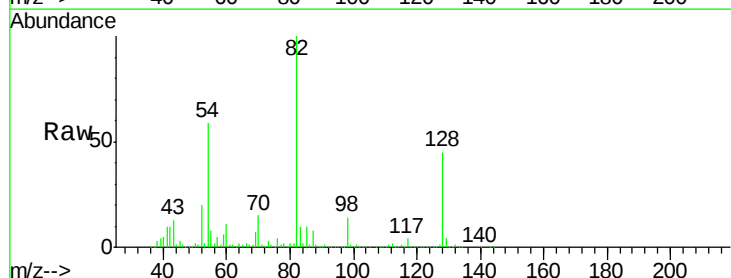
Tgt Ion: 117 Resp: 103788

Ion Ratio Lower Upper

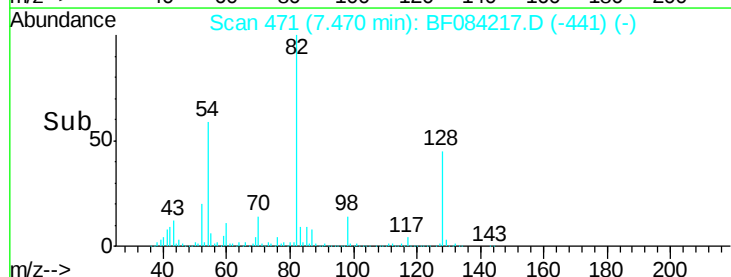
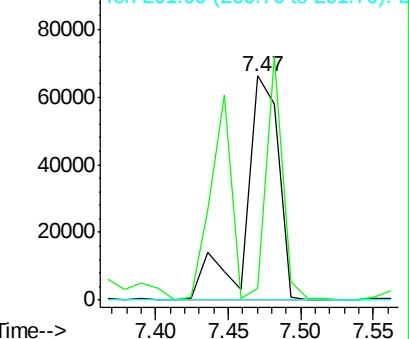
117 100

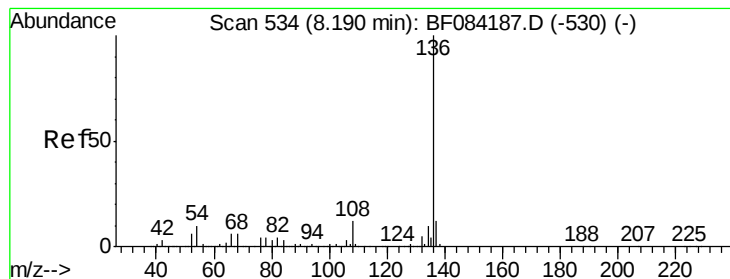
119 5.2 77.4 116.0#

201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

BNA_F

ClientSampleId :

S8-0535

Tgt Ion:136 Resp: 1168316

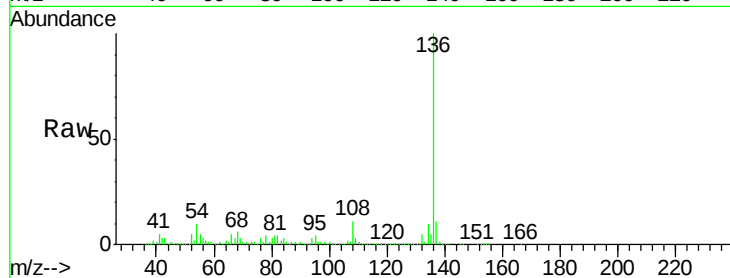
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.6 5.8 8.8#

68 6.1 4.2 6.2

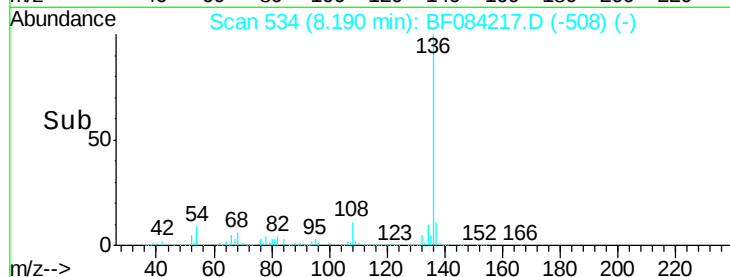


Abundance Ion 136.00 (135.70 to 136.70): E

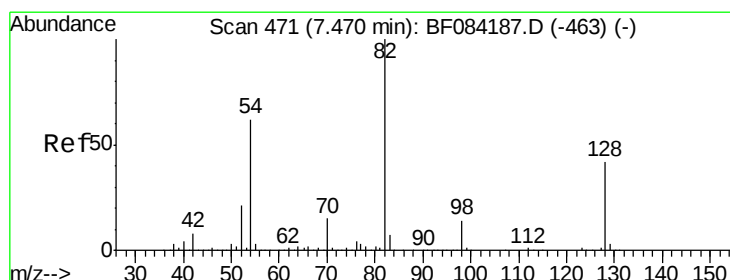
Ion 137.00 (136.70 to 137.70): E

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



#23

Nitrobenzene-d5

Concen: 98.59 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

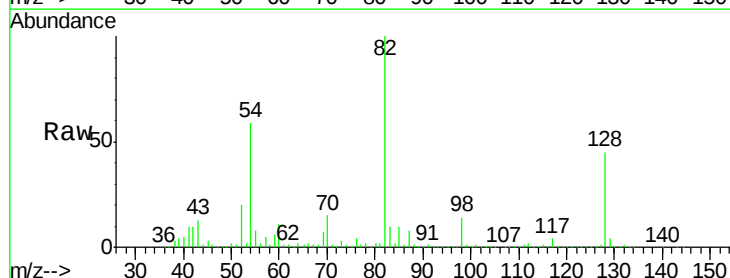
Tgt Ion: 82 Resp: 2069576

Ion Ratio Lower Upper

82 100

128 44.9 34.6 51.8

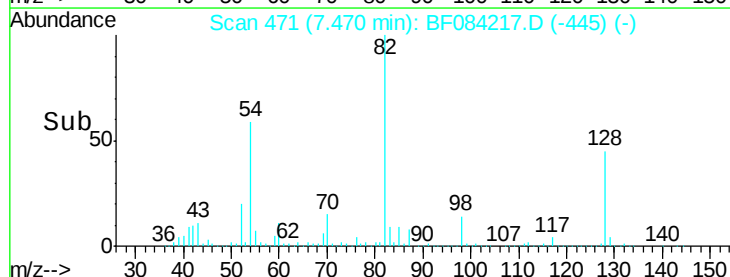
54 59.2 38.4 57.6#



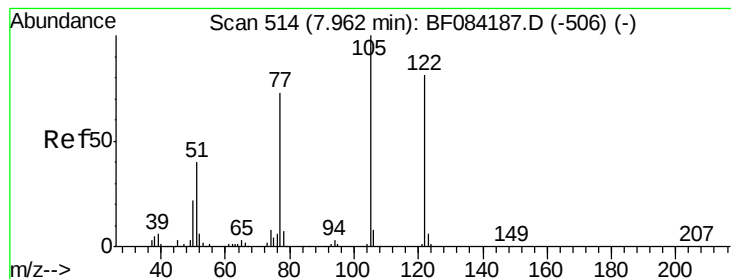
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.35 7.40 7.45 7.50



#32

Benzoic acid

Concen: 11.89 ng

RT: 7.97 min Scan# 515

Delta R.T. 0.01 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

BNA_F

ClientSampleId :

S8-0535

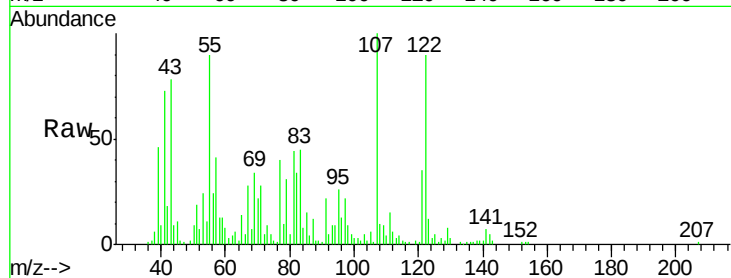
Tgt Ion:122 Resp: 81824

Ion Ratio Lower Upper

122 100

105 7.1 100.3 140.3#

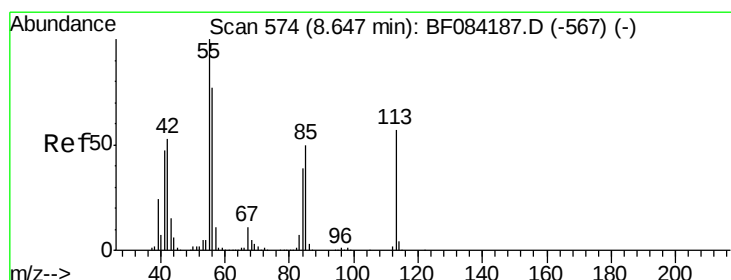
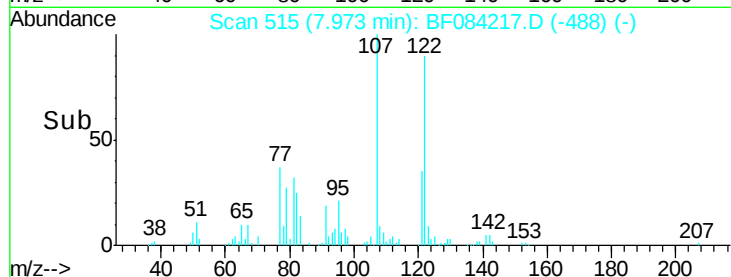
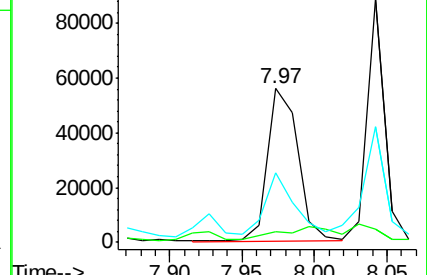
77 45.2 63.5 103.5#



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



#35

Caprolactam

Concen: 51.93 ng

RT: 8.67 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

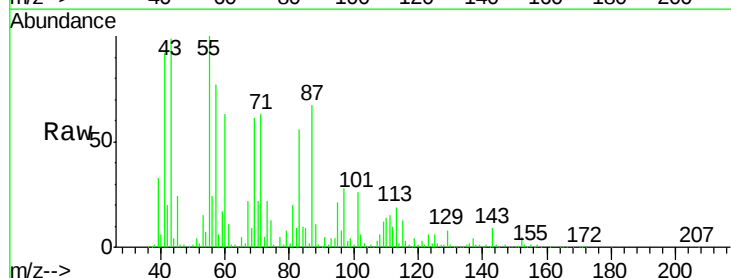
Tgt Ion:113 Resp: 286026

Ion Ratio Lower Upper

113 100

55 521.4 116.9 156.9#

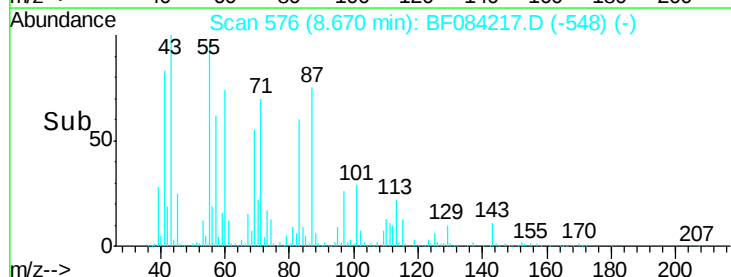
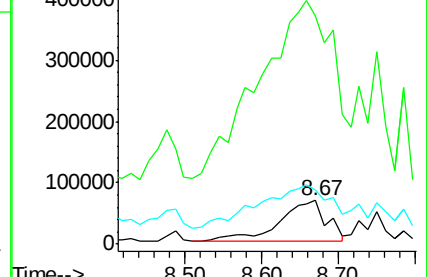
56 123.6 93.8 133.8

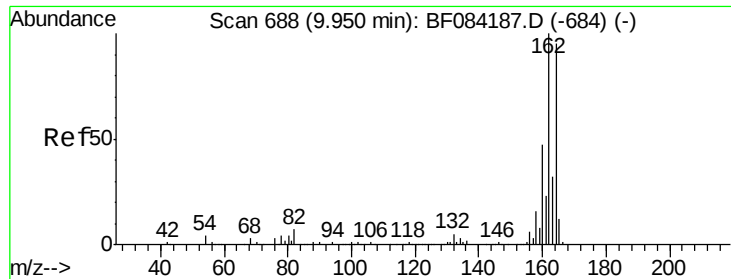


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

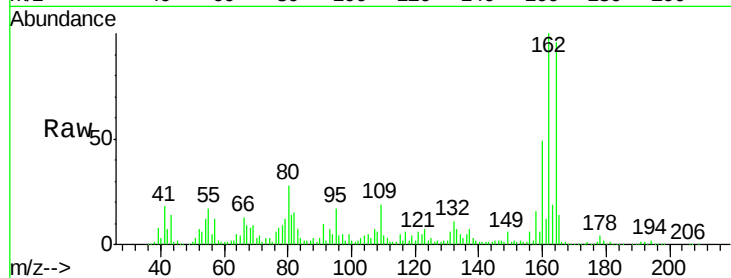




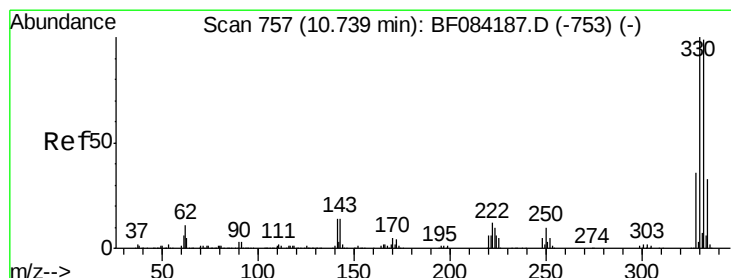
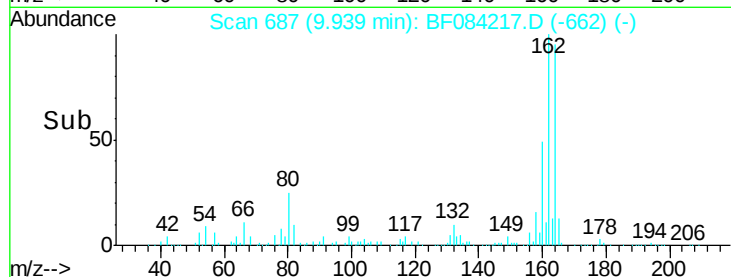
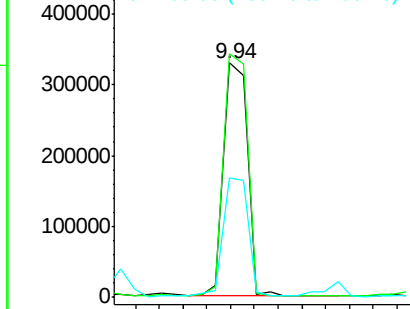
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084217.D
Acq: 1 Jan 2016 1:35

Instrument :
BNA_F
ClientSampleId :
S8-0535

Tgt Ion:164 Resp: 461669
Ion Ratio Lower Upper
164 100
162 103.9 85.1 127.7
160 50.9 37.5 56.3

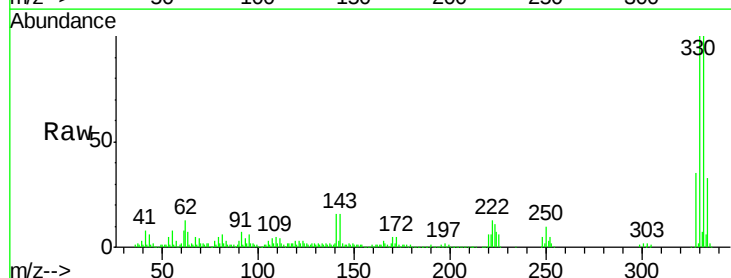


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

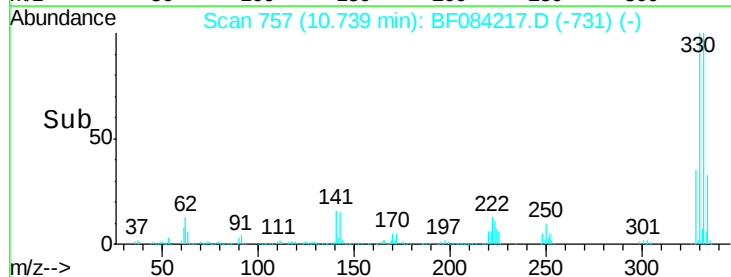
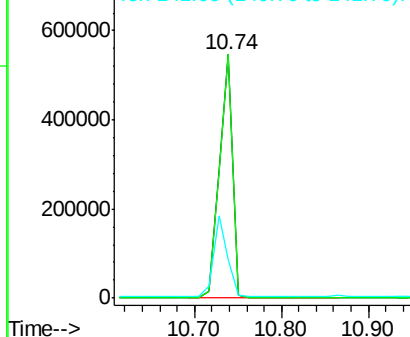


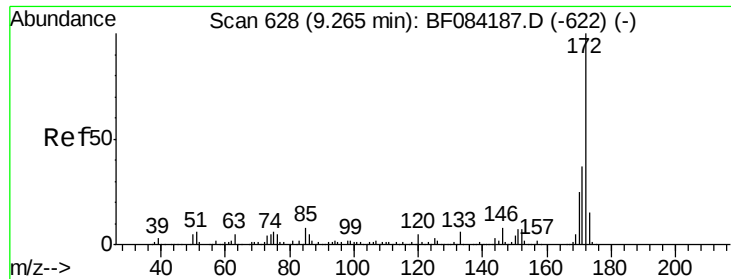
#41
2,4,6-Tribromophenol
Concen: 127.40 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF084217.D
Acq: 1 Jan 2016 1:35

Tgt Ion:330 Resp: 593826
Ion Ratio Lower Upper
330 100
332 99.1 76.6 114.8
141 34.4 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: 117.50 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

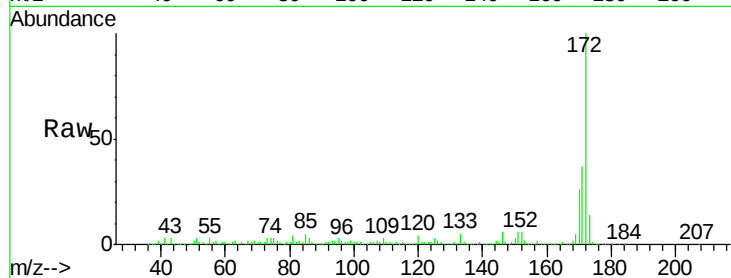
BNA_F

ClientSampleId :

S8-0535

Tgt Ion:172 Resp: 3020047

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.9	43.3
170	26.0	18.6	27.8

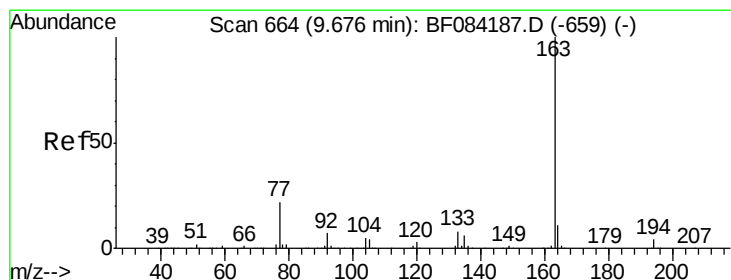
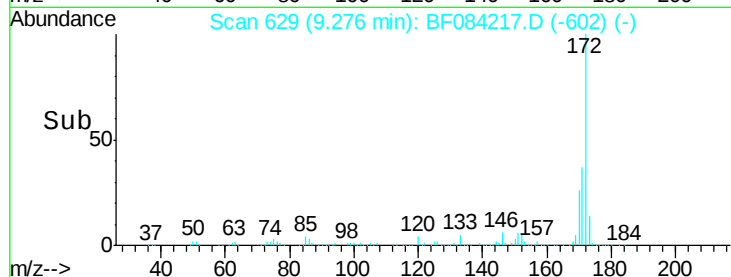
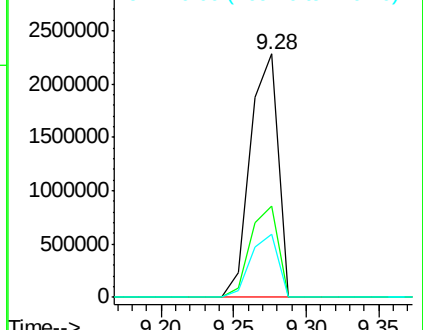


Abundance

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: 4.15 ng

RT: 9.66 min Scan# 663

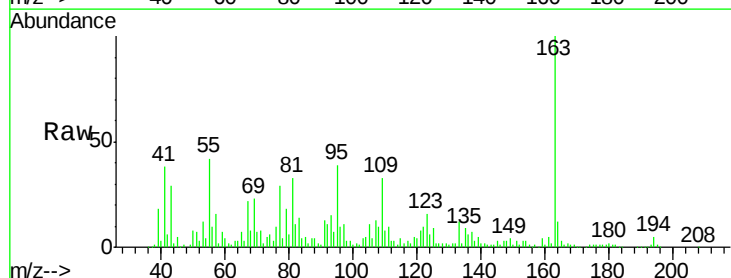
Delta R.T. -0.01 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Tgt Ion:163 Resp: 137098

Ion	Ratio	Lower	Upper
163	100		
194	4.7	8.0	12.0#
164	12.1	8.0	12.0#

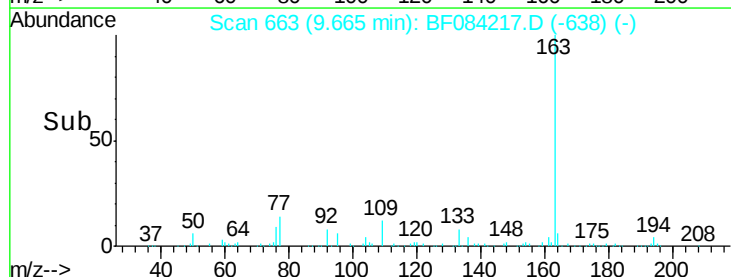
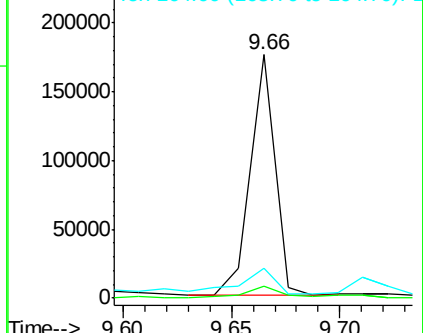


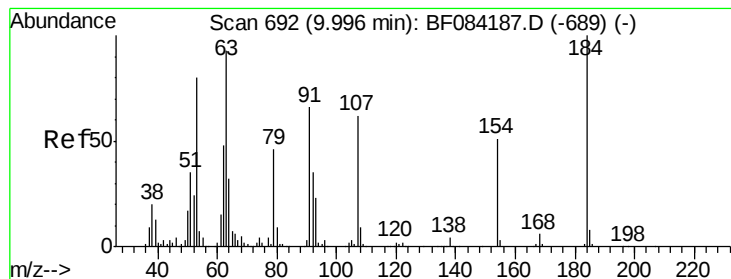
Abundance

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





#53

2,4-Dinitrophenol

Concen: 3.90 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.03 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

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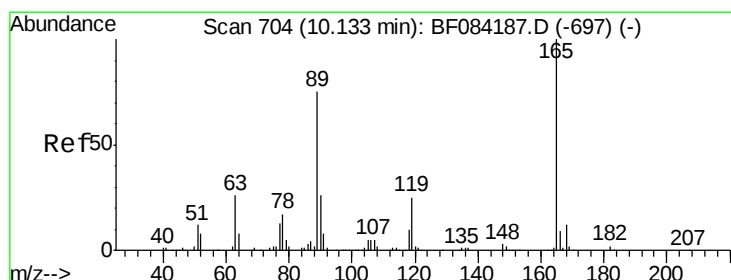
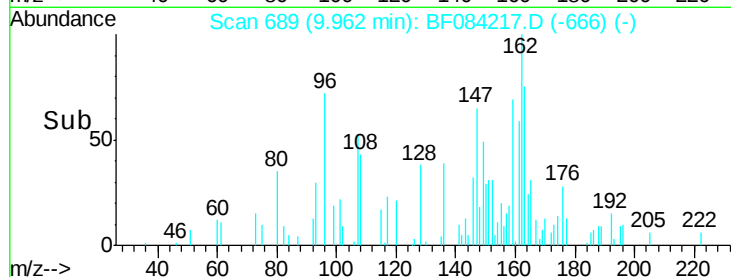
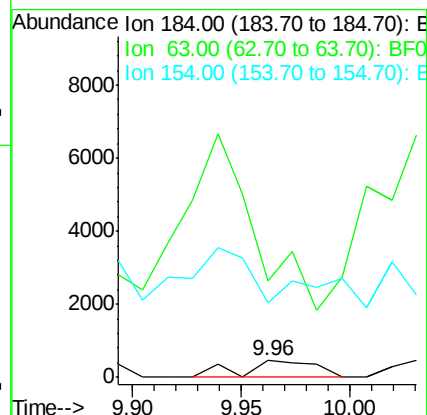
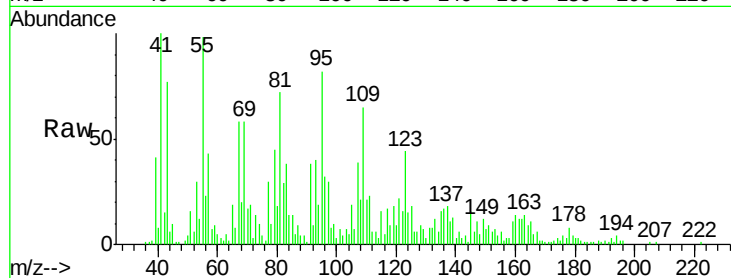
Tgt Ion:184 Resp: 1100

Ion Ratio Lower Upper

184 100

63 589.8 43.1 64.7#

154 456.0 60.5 90.7#



#56

2,4-Dinitrotoluene

Concen: 2.53 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Tgt Ion:165 Resp: 23206

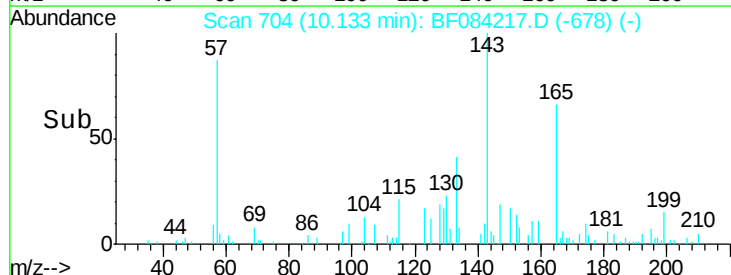
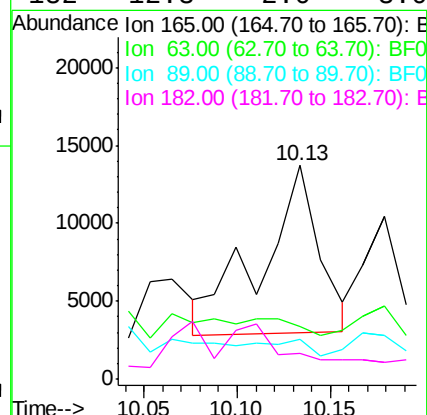
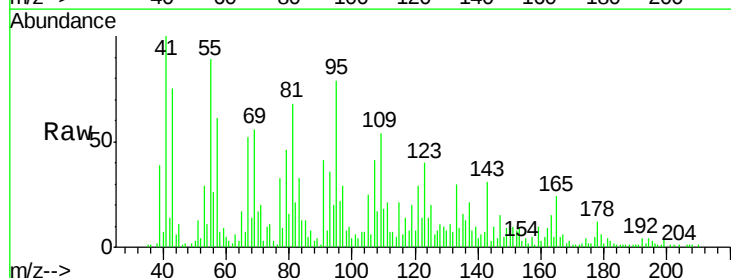
Ion Ratio Lower Upper

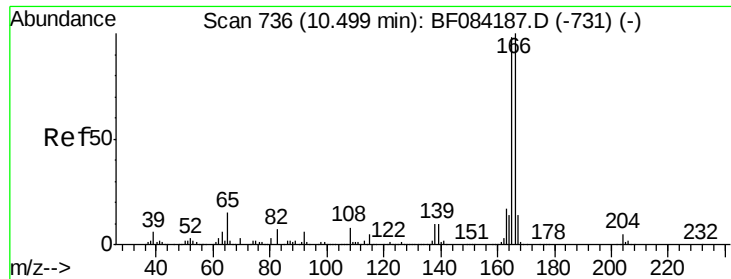
165 100

63 24.8 36.7 55.1#

89 18.4 61.9 92.9#

182 12.3 2.0 3.0#

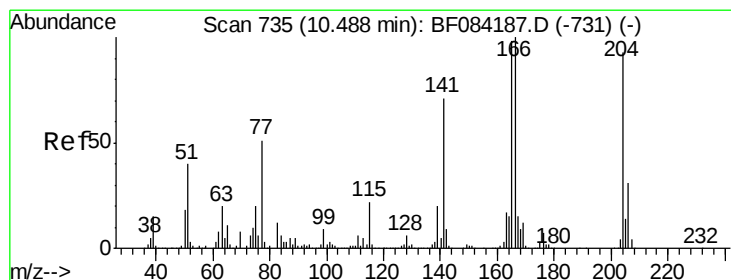
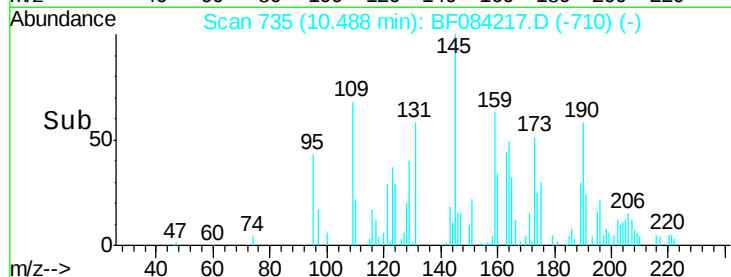
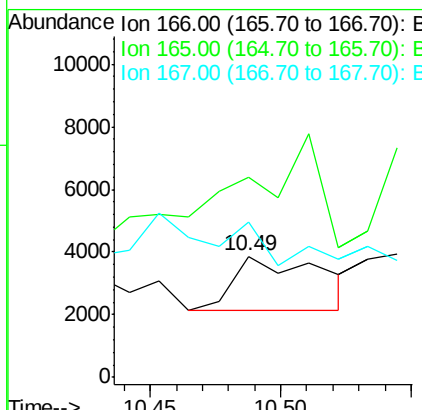
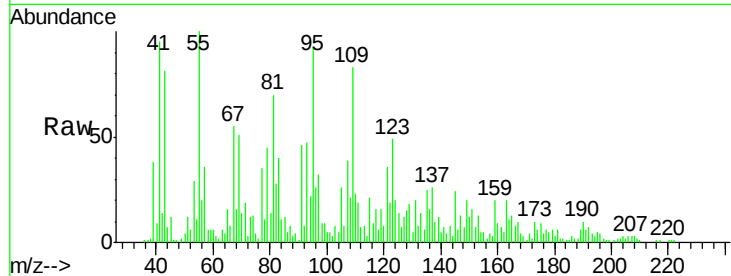




#57
 Fluorene
 Concen: Below Cal
 RT: 10.49 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF084217.D
 Acq: 1 Jan 2016 1:35

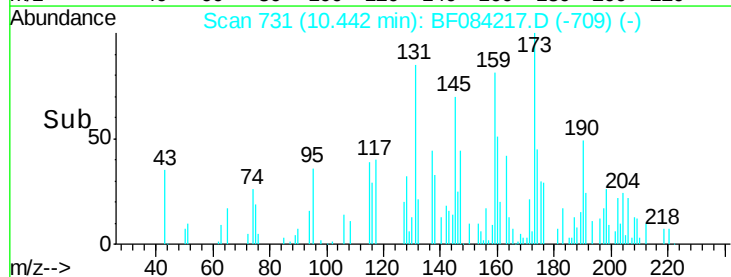
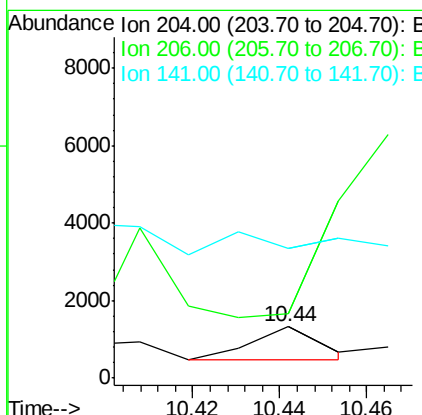
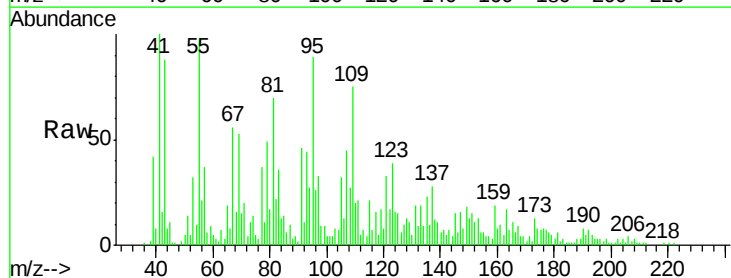
Instrument :
 BNA_F
 ClientSampleId :
 S8-0535

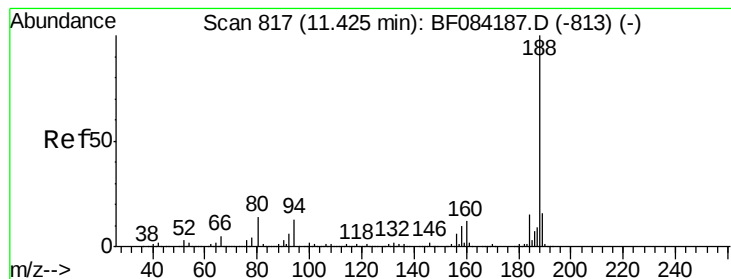
Tgt Ion:166 Resp: 4083
 Ion Ratio Lower Upper
 166 100
 165 164.9 79.1 118.7#
 167 127.9 10.4 15.6#



#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.44 min Scan# 731
 Delta R.T. -0.05 min
 Lab File: BF084217.D
 Acq: 1 Jan 2016 1:35

Tgt Ion:204 Resp: 882
 Ion Ratio Lower Upper
 204 100
 206 126.3 25.7 38.5#
 141 254.4 55.1 82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

Instrument :

BNA_F

ClientSampled :

S8-0535

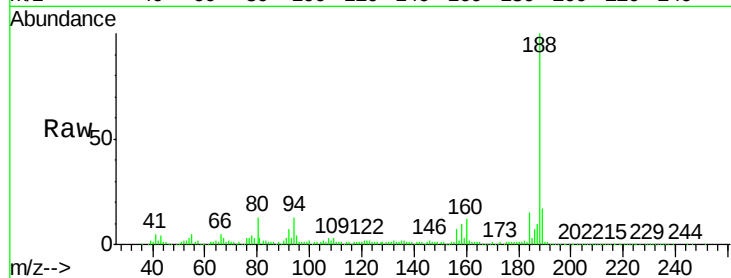
Tgt Ion:188 Resp: 659017

Ion Ratio Lower Upper

188 100

94 12.7 9.0 13.4

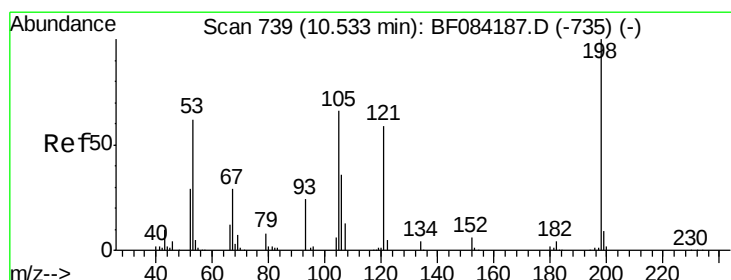
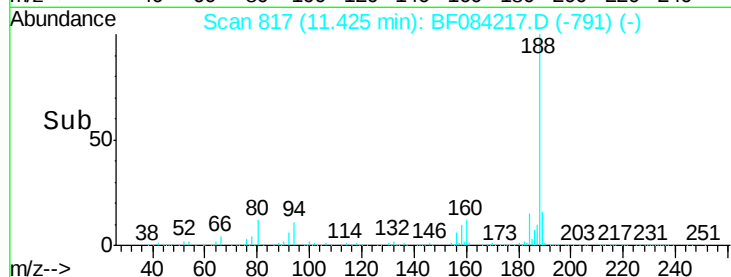
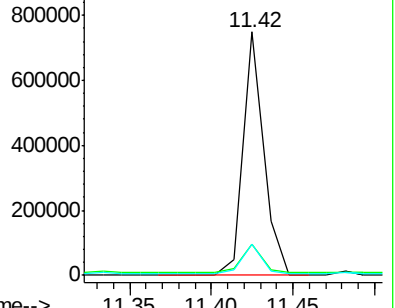
80 13.0 9.6 14.4



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: 6.54 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.05 min

Lab File: BF084217.D

Acq: 1 Jan 2016 1:35

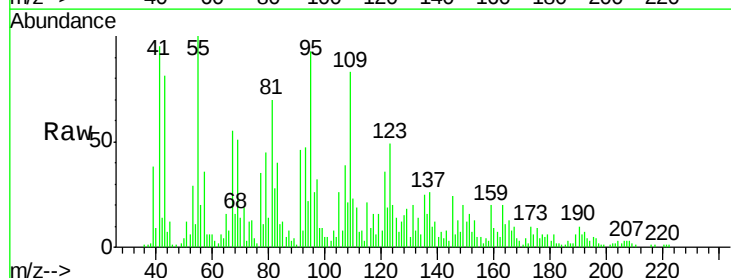
Tgt Ion:198 Resp: 648

Ion Ratio Lower Upper

198 100

51 1137.1 18.9 58.9#

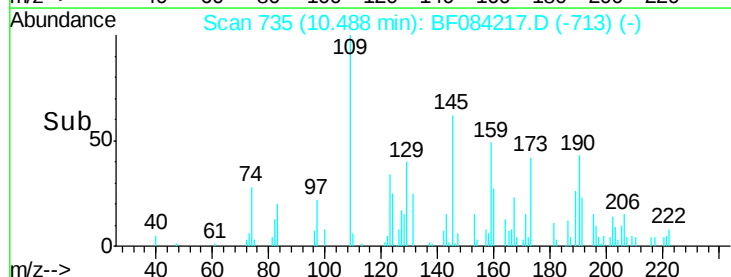
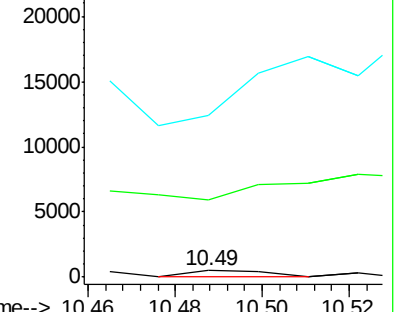
105 2382.9 26.4 66.4#

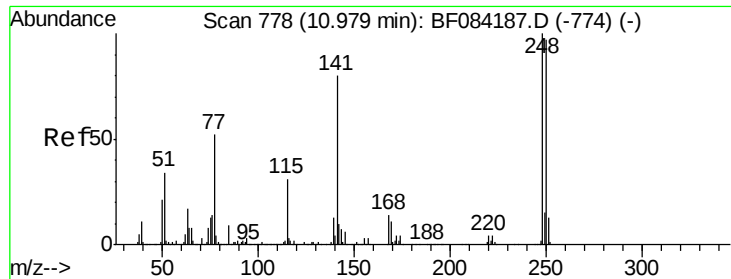


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

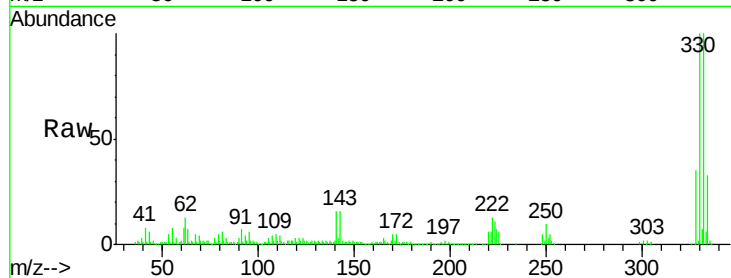




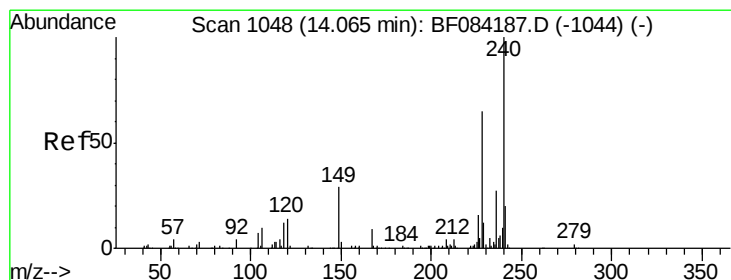
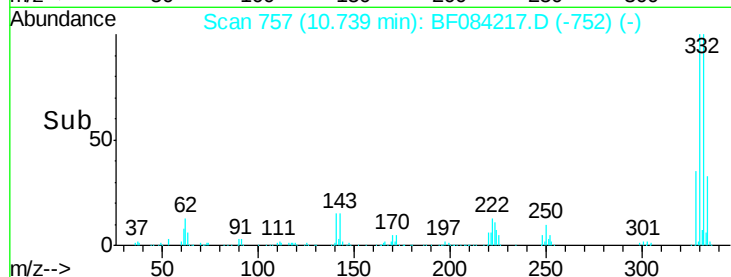
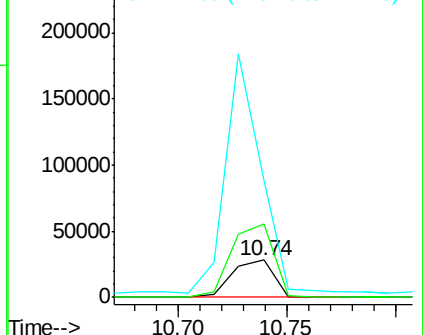
#66
 4-Bromophenyl-phenylether
 Concen: 5.25 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.24 min
 Lab File: BF084217.D
 Acq: 1 Jan 2016 1:35

Instrument :
 BNA_F
 ClientSampleId :
 S8-0535

Tgt Ion:248 Resp: 37229
 Ion Ratio Lower Upper
 248 100
 250 199.0 78.4 117.6#
 141 315.7 44.0 66.0#

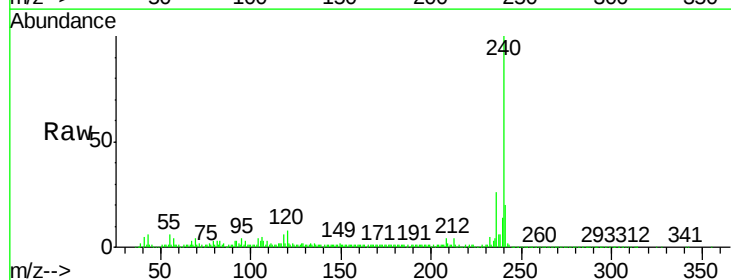


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BF084217.D
 Acq: 1 Jan 2016 1:35

Tgt Ion:240 Resp: 546063
 Ion Ratio Lower Upper
 240 100
 120 7.9 9.5 14.3#
 236 25.6 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

