

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084519.D
 Acq On : 16 Jan 2016 4:52
 Operator : SJ/UM
 Sample : H1144-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 05:38:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	241006	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	978742	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	423459	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	760585	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	596885	20.00	ng	-0.01
86) Perylene-d12	15.40	264	551345	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	989514	66.41	ng	-0.01
7) Phenol-d6	6.46	99	838967	44.83	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1662505	94.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	645303	150.94	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	2767383	117.37	ng	0.00
78) Terphenyl-d14	12.93	244	2176358	81.39	ng	-0.01

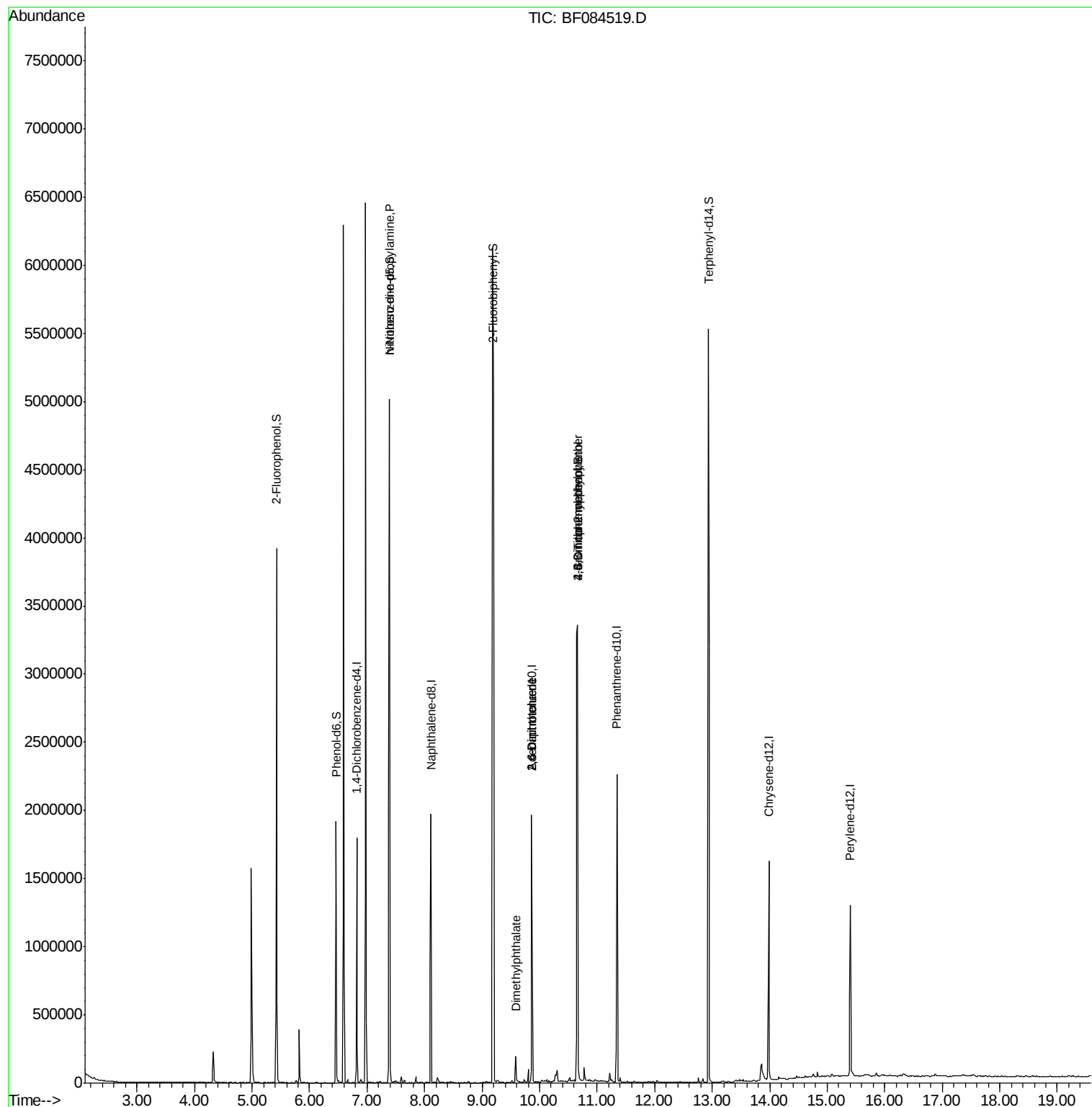
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	234527	18.51	ng	# 73
49) Dimethylphthalate	9.58	163	75887	2.51	ng	# 91
50) 2,6-Dinitrotoluene	9.86	165	54148	8.16	ng	# 37
54) Dibenzofuran	10.06	168	222	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.86	165	54152	6.44	ng	# 21
57) Fluorene	10.65	166	26363	Below Cal		# 85
64) 4,6-Dinitro-2-methylphenol	10.66	198	1442	6.65	ng	# 46
66) 4-Bromophenyl-phenylether	10.66	248	40886	4.99	ng	# 1
73) Di-n-butylphthalate	11.92	149	4467	Below Cal		# 79

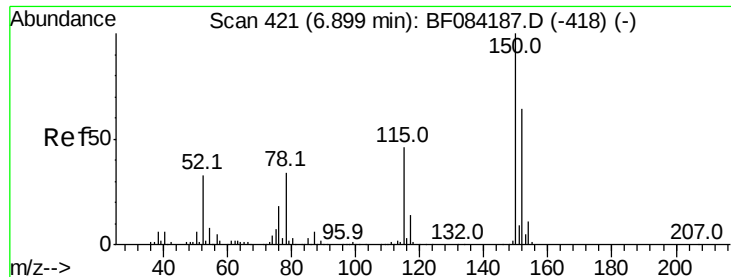
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Instrument :

BNA_F

ClientSampleId :

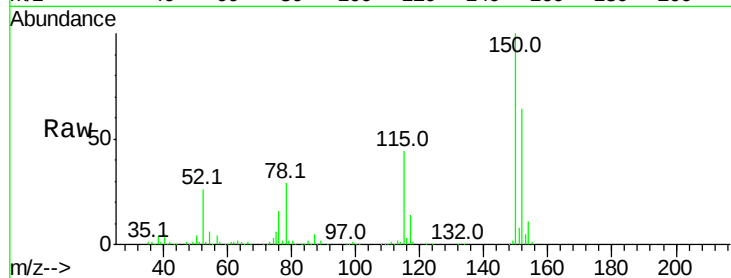
Tot Ion:152 Resp: 241006

Ion Ratio Lower Upper

152 100

150 155.1 123.0 184.4

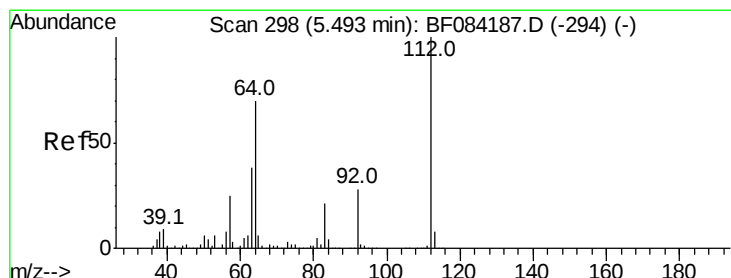
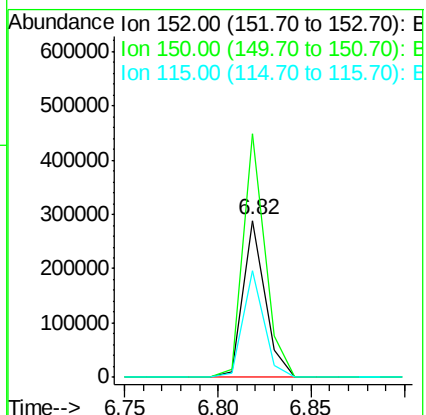
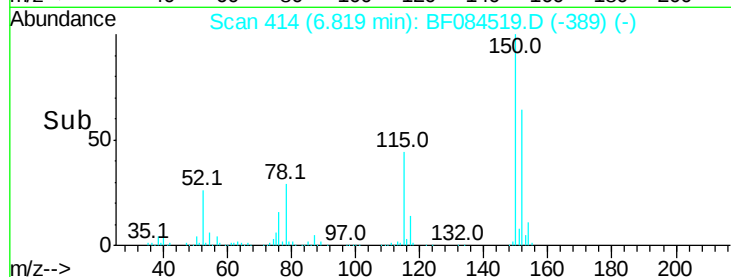
115 67.5 51.4 77.2



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: 66.41 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

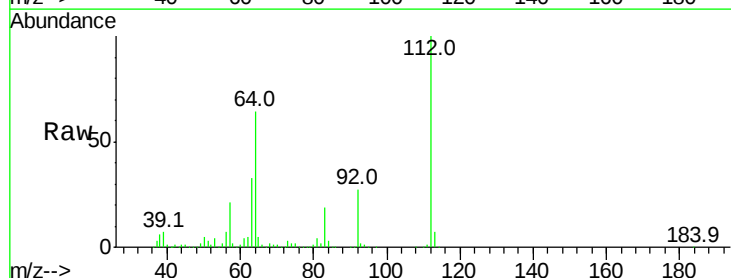
Tgt Ion:112 Resp: 989514

Ion Ratio Lower Upper

112 100

64 64.1 36.6 55.0#

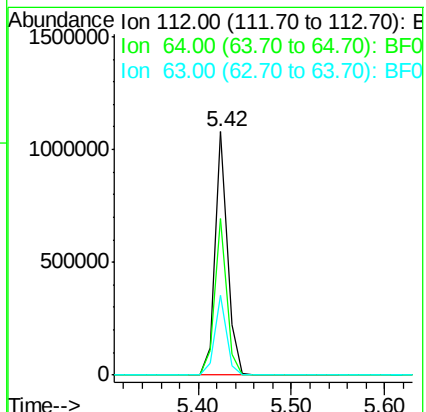
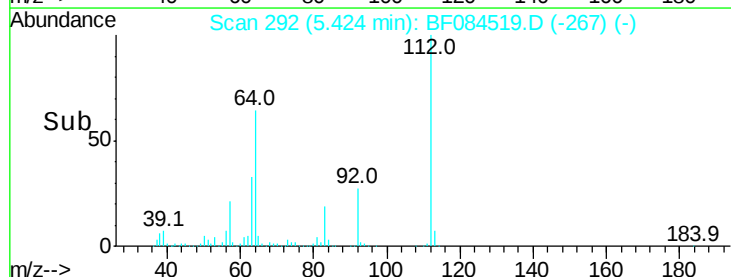
63 32.8 19.4 29.0#

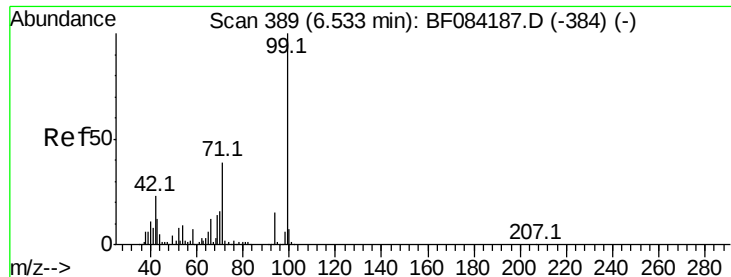


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.83 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Instrument :

BNA_F

ClientSampleId :

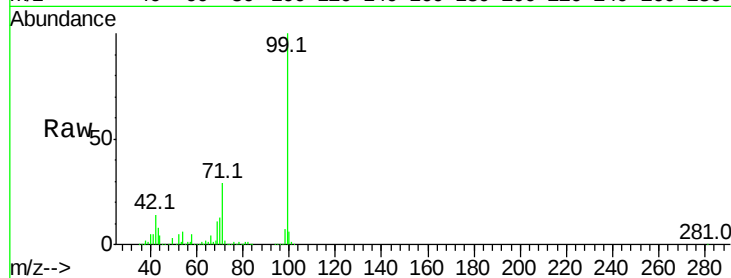
Tot Ion: 99 Resp: 838967

Ion Ratio Lower Upper

99 100

42 14.2 12.8 19.2

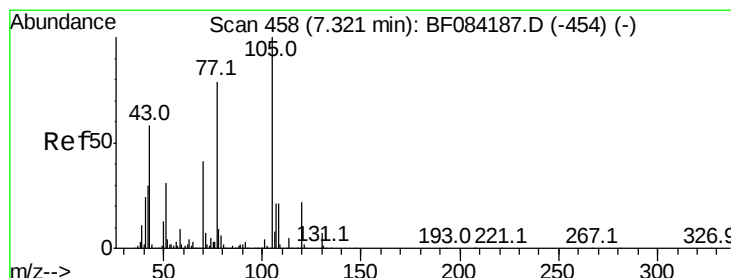
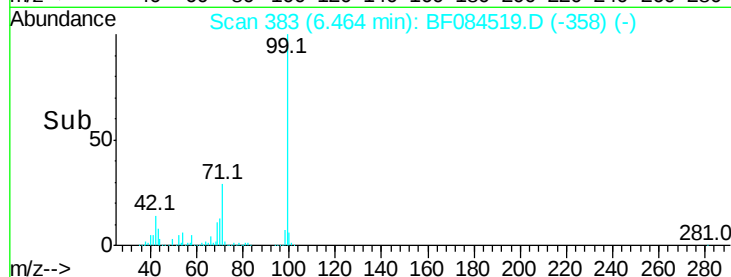
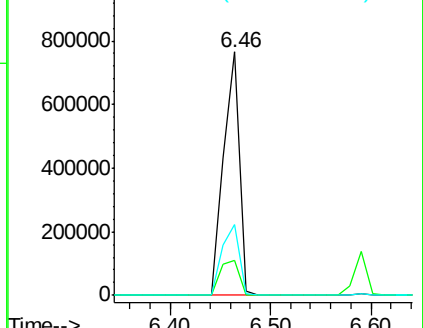
71 29.3 30.9 46.3#



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.51 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.14 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Tgt Ion: 70 Resp: 234527

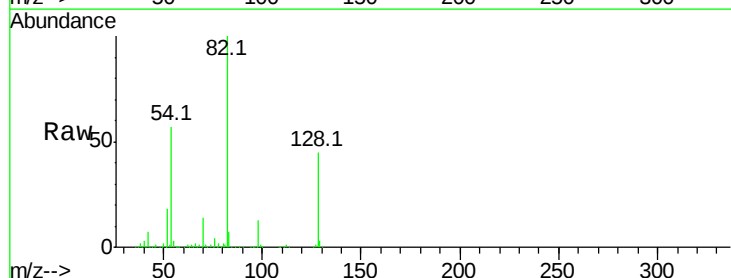
Ion Ratio Lower Upper

70 100

42 47.6 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

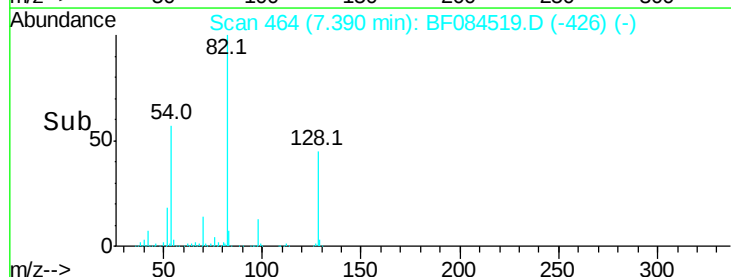
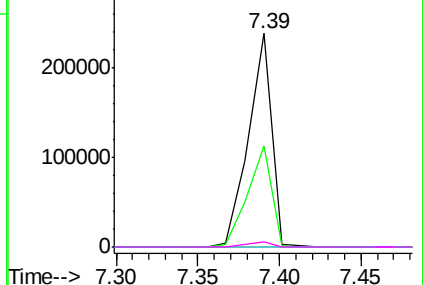


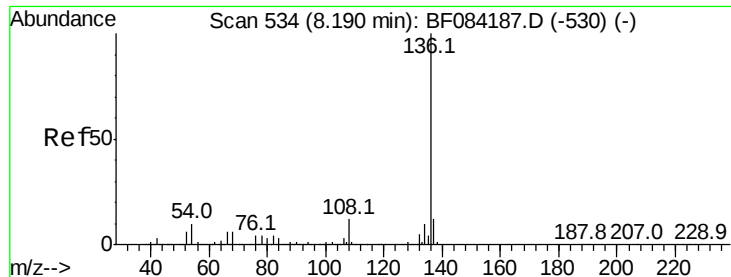
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

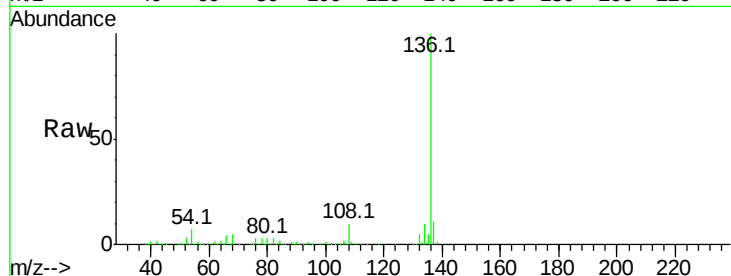




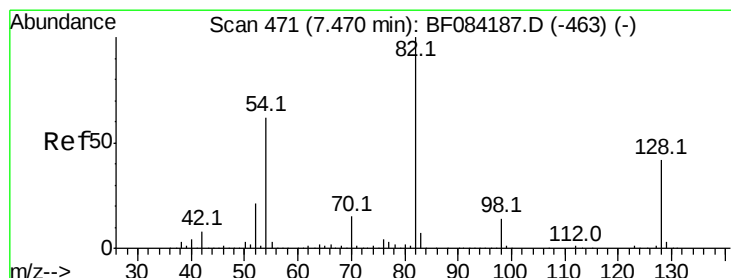
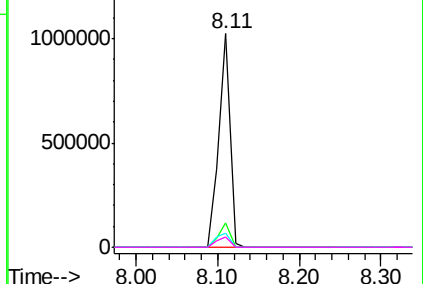
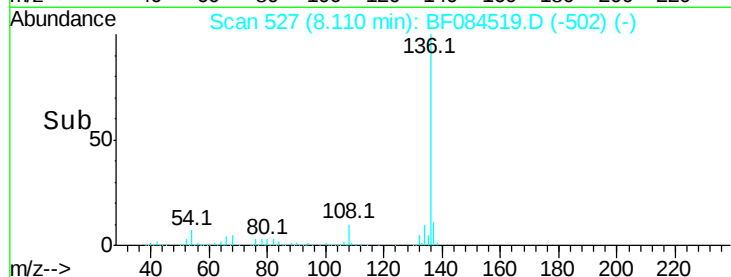
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF084519.D
Acq: 16 Jan 2016 4:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	978742
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.7	13.1
54 6.9	5.8	8.8
68 4.8	4.2	6.2

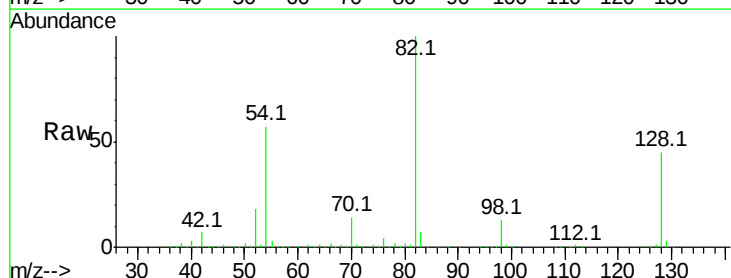


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

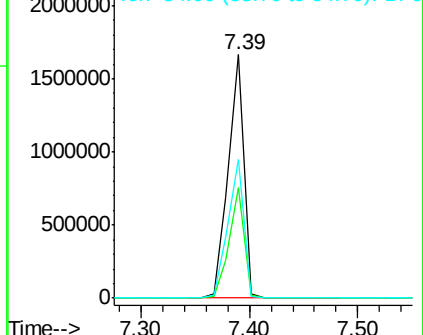
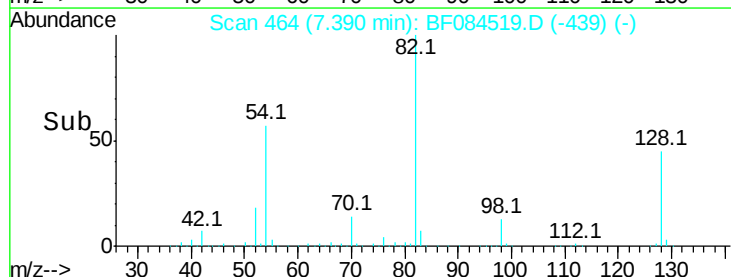


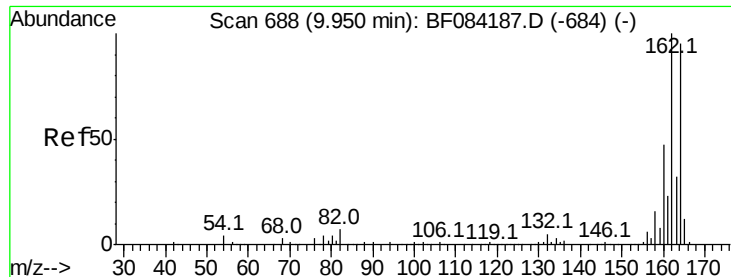
#23
Nitrobenzene-d5
Concen: 94.54 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF084519.D
Acq: 16 Jan 2016 4:52

Tgt	Ion: 82	Resp: 1662505	
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	51.8
54	57.0	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

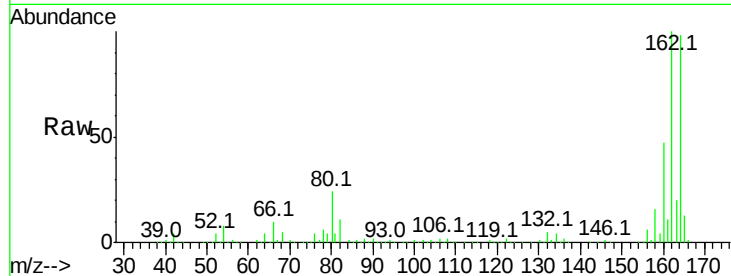




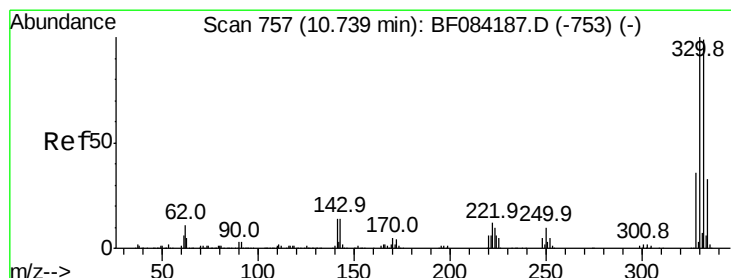
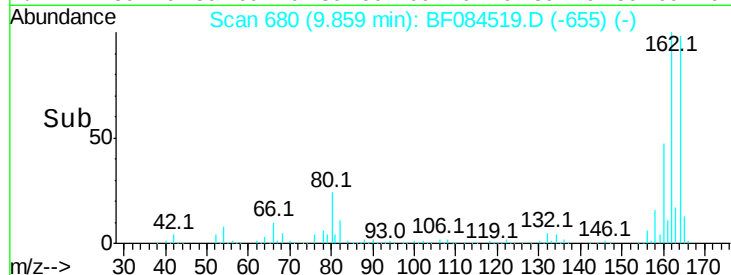
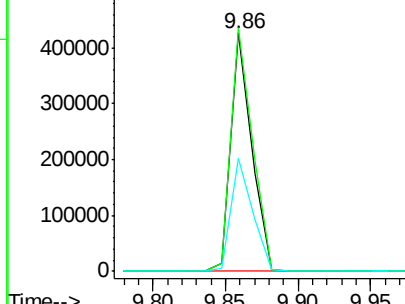
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084519.D
 Acq: 16 Jan 2016 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	85.1	127.7
160	47.6	37.5	56.3

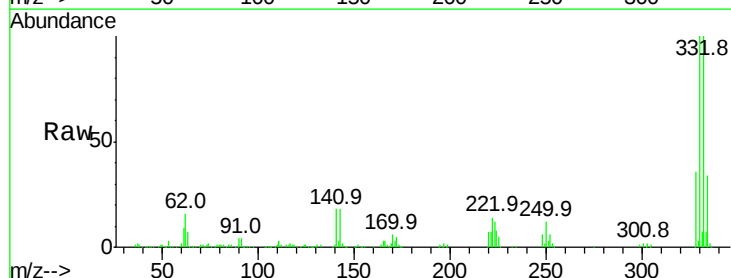


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

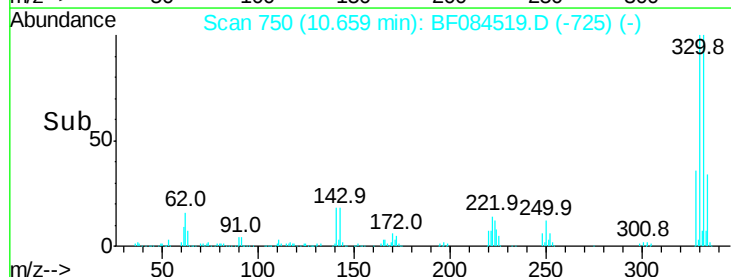
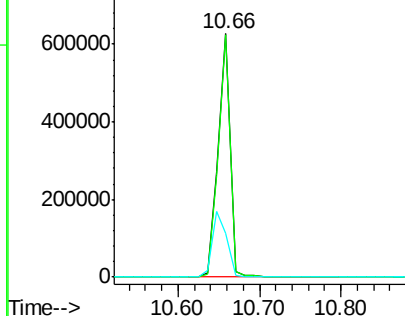


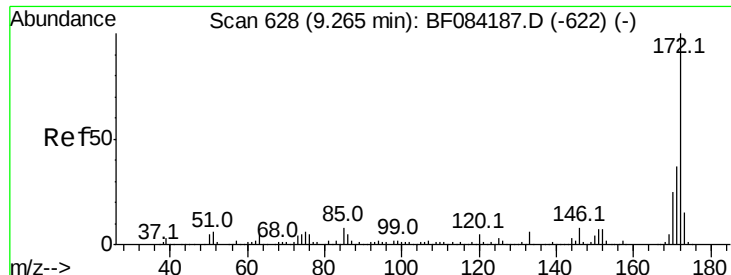
#41
 2,4,6-Tribromophenol
 Concen: 150.94 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF084519.D
 Acq: 16 Jan 2016 4:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	114.8
141	32.4	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

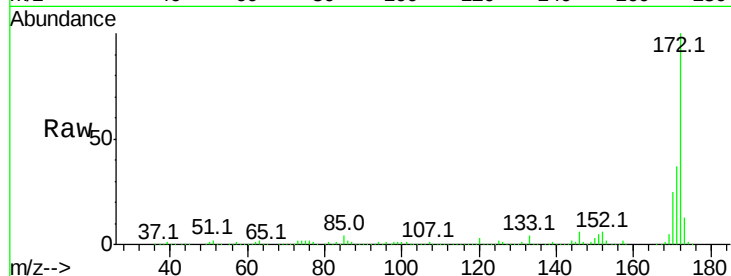




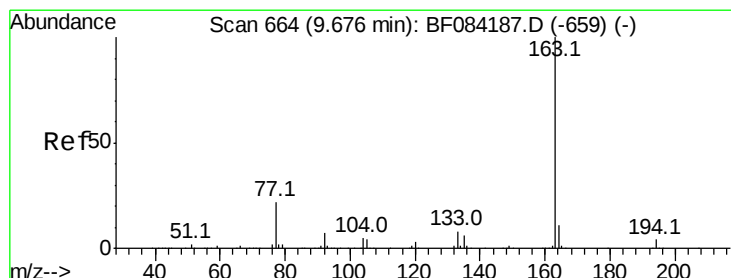
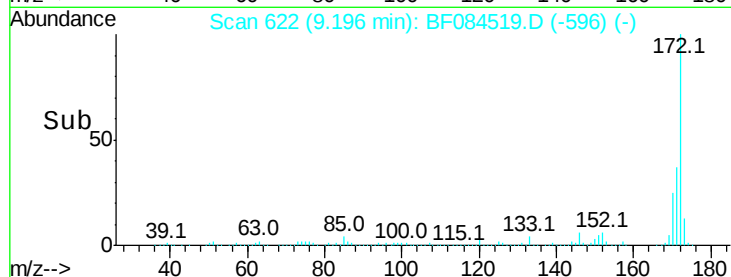
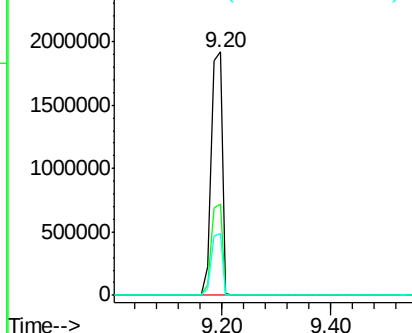
#44
2-Fluorobiphenyl
Concen: 117.37 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF084519.D
Acq: 16 Jan 2016 4:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2767383
Ion Ratio Lower Upper
172 100
171 37.4 28.9 43.3
170 25.3 18.6 27.8

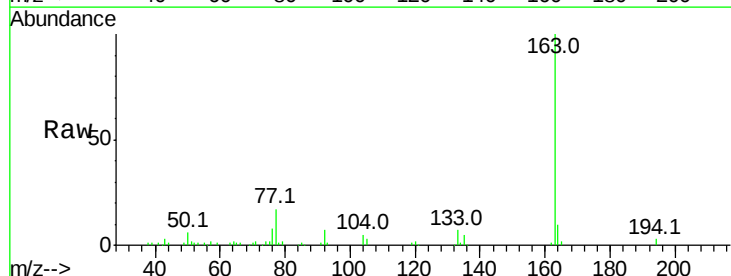


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

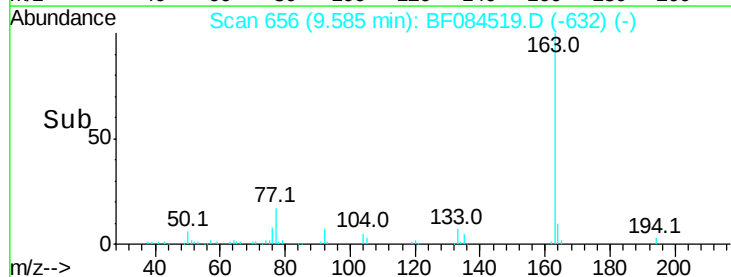
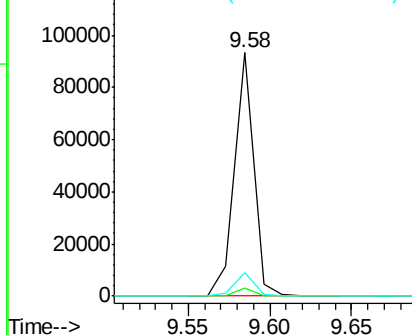


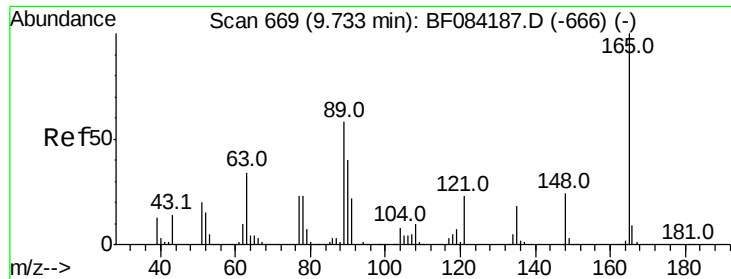
#49
Dimethylphthalate
Concen: 2.51 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.02 min
Lab File: BF084519.D
Acq: 16 Jan 2016 4:52

Tgt Ion:163 Resp: 75887
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 9.7 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





#50

2,6-Dinitrotoluene

Concen: 8.16 ng

RT: 9.86 min Scan# 680

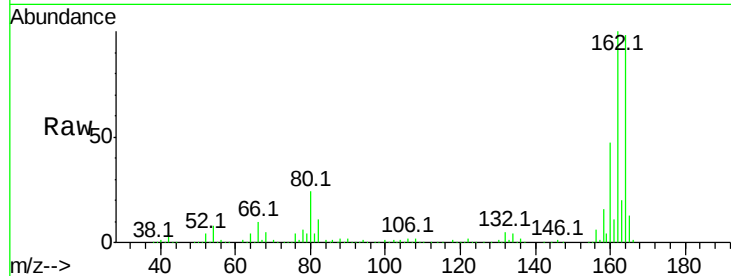
Delta R.T. 0.19 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Instrument :
BNA_F
ClientSampleId :

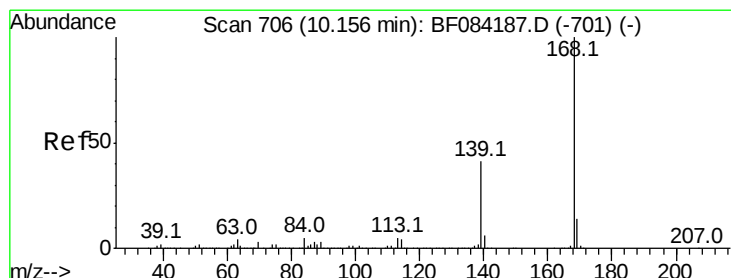
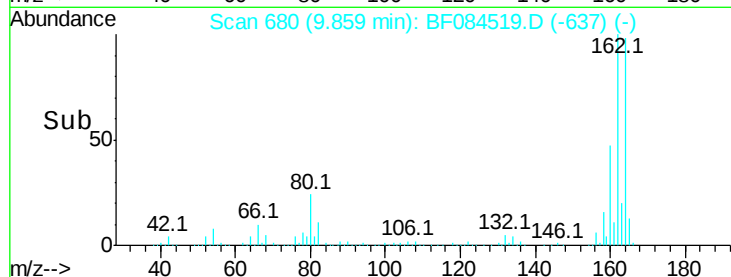
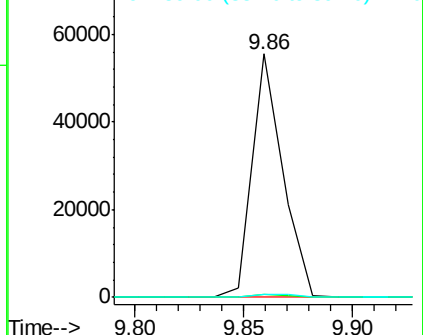
Tot Ion:165	Resp:	54148
Ion Ratio	Lower	Upper
165 100		
63 1.3	28.8	43.2#
89 1.4	35.1	52.7#



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



#54

Dibenzofuran

Concen: Below Cal

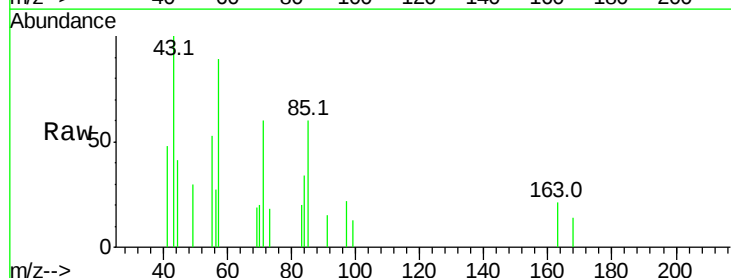
RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

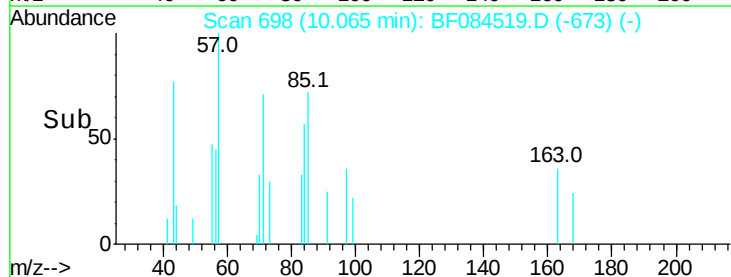
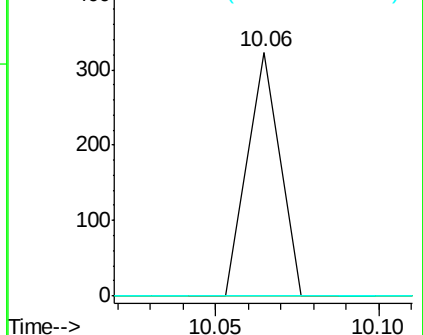
Tgt Ion:168	Resp:	222
Ion Ratio	Lower	Upper
168 100		
139 0.0	30.5	45.7#
169 0.0	10.4	15.6#

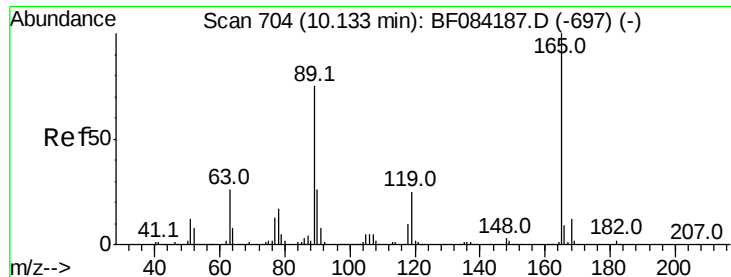


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

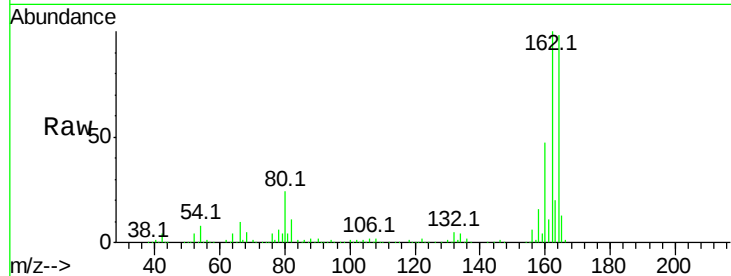




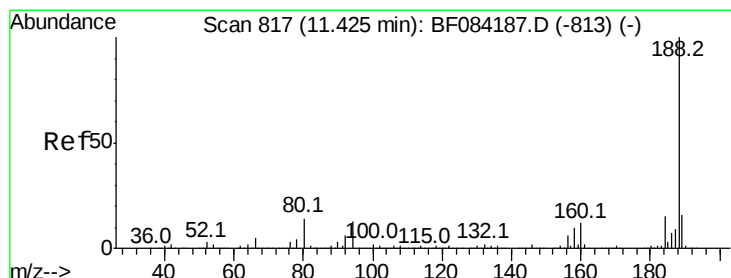
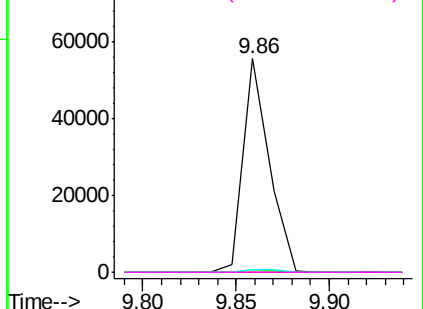
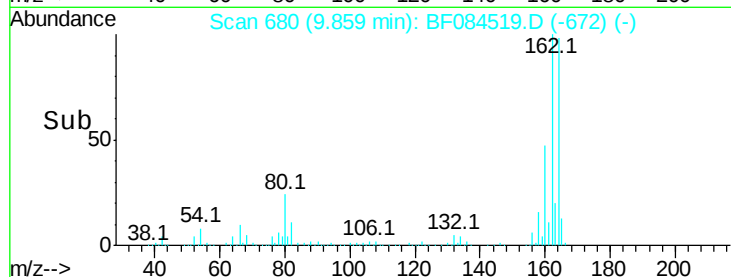
#56
 2,4-Dinitrotoluene
 Concen: 6.44 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF084519.D
 Acq: 16 Jan 2016 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 54152
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.7 55.1#
 89 1.4 61.9 92.9#
 182 0.0 2.0 3.0#

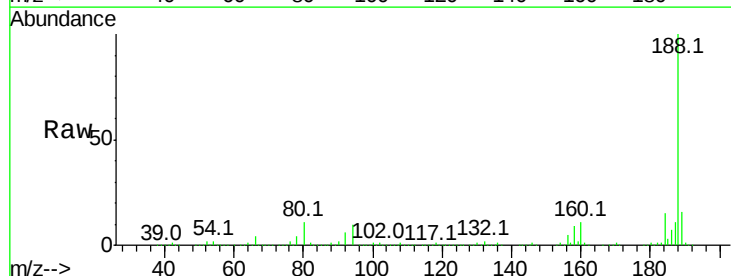


Abundance Ion 165.00 (164.70 to 165.70): E

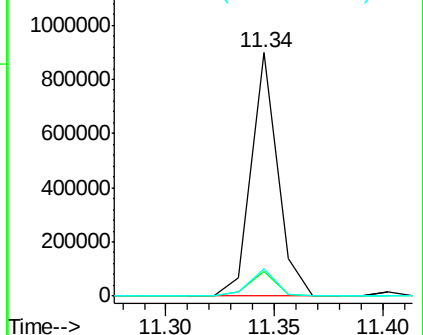
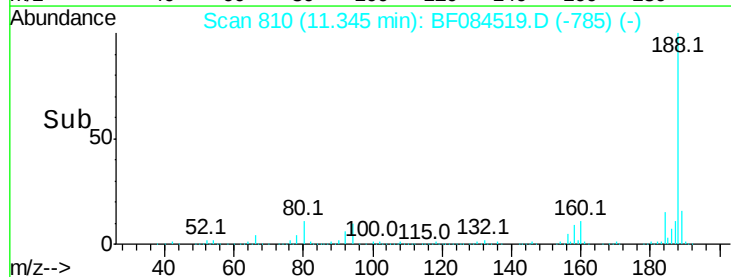


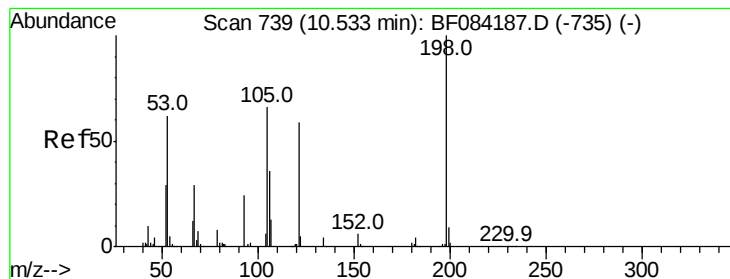
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF084519.D
 Acq: 16 Jan 2016 4:52

Tgt Ion:188 Resp: 760585
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.0 13.4
 80 11.2 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 6.65 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.18 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Instrument :

BNA_F

ClientSampleId :

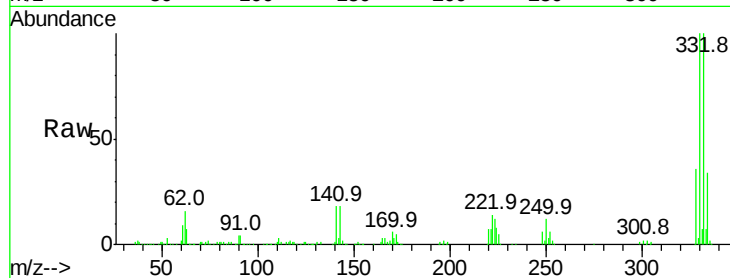
Tot Ion:198 Resp: 1442

Ion Ratio Lower Upper

198 100

51 74.3 18.9 58.9#

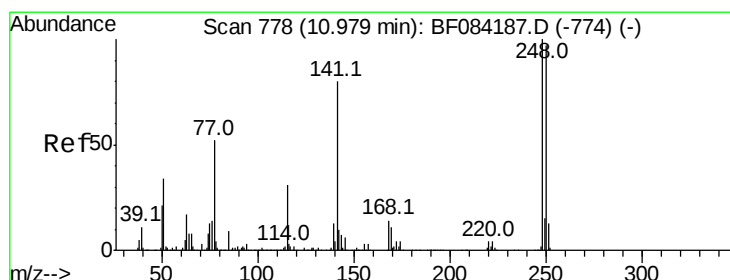
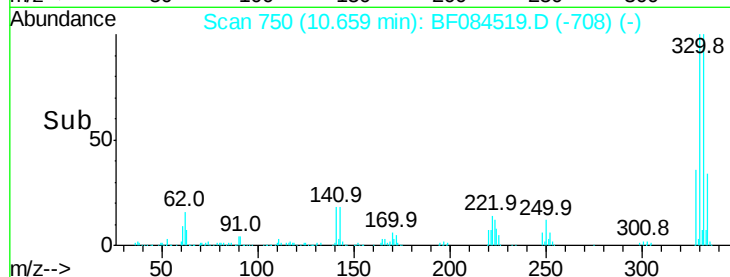
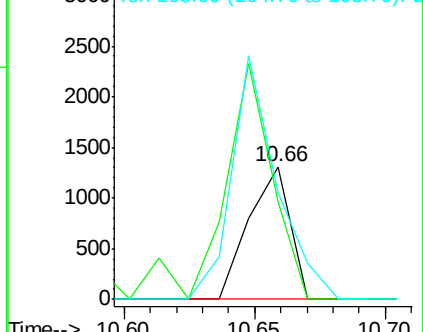
105 80.3 26.4 66.4#



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: 4.99 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.25 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

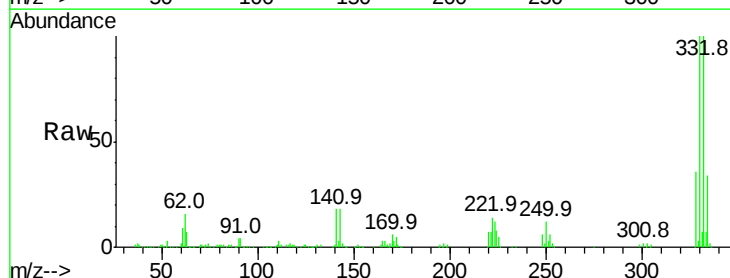
Tgt Ion:248 Resp: 40886

Ion Ratio Lower Upper

248 100

250 206.2 78.4 117.6#

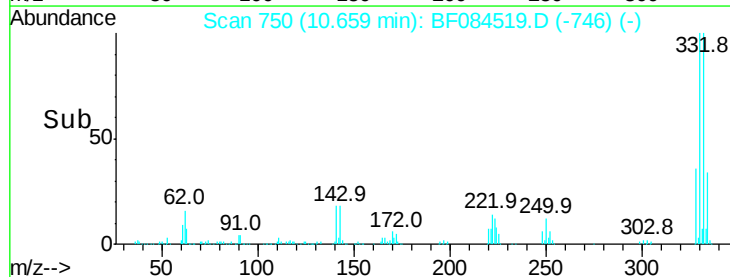
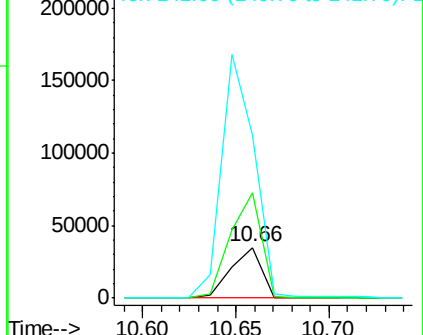
141 321.2 44.0 66.0#

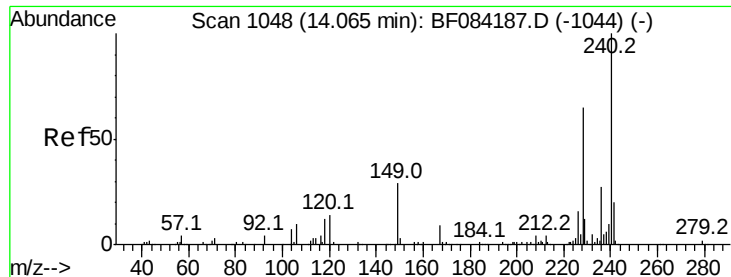


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

Instrument :

BNA_F

ClientSampleId :

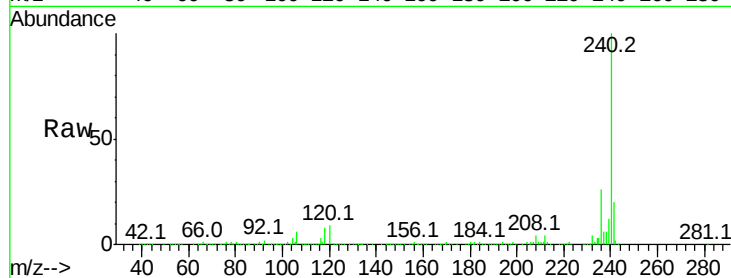
Tot Ion:240 Resp: 596885

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

236 26.0 20.6 31.0

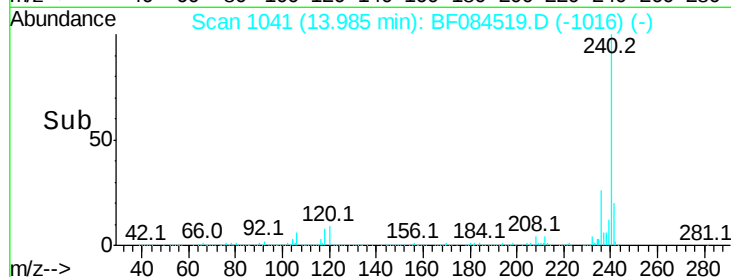


Abundance Ion 240.00 (239.70 to 240.70): E

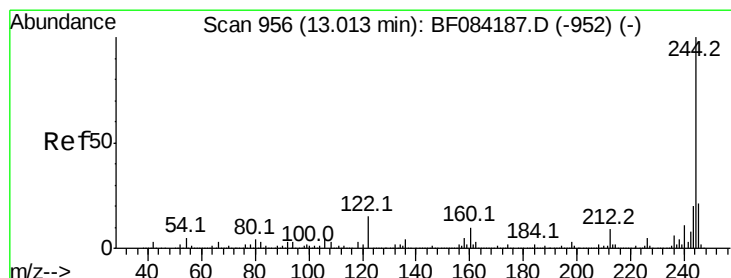
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.99



Time-->



#78

Terphenyl-d14

Concen: 81.39 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084519.D

Acq: 16 Jan 2016 4:52

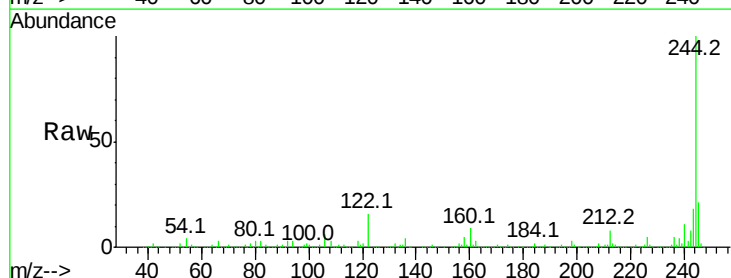
Tgt Ion:244 Resp: 2176358

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

122 15.9 7.4 11.0#

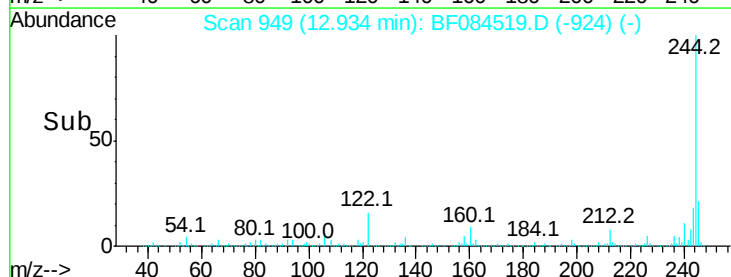


Abundance Ion 244.00 (243.70 to 244.70): E

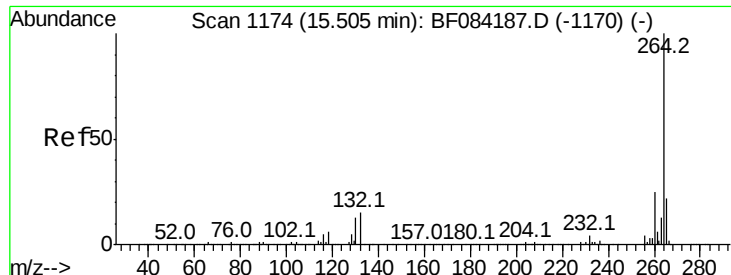
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.93



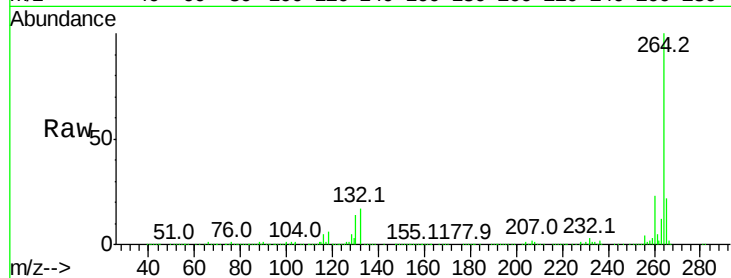
Time-->



#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF084519.D
 Acq: 16 Jan 2016 4:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.8	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

