

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084518.D
 Acq On : 16 Jan 2016 4:25
 Operator : SJ/UM
 Sample : H1144-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 04:50:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	225690	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	915432	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	390350	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	689054	20.00	ng	0.00
75) Chrysene-d12	13.99	240	541767	20.00	ng	0.00
86) Perylene-d12	15.40	264	520974	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1684818	120.75	ng	0.01
7) Phenol-d6	6.46	99	1774708	101.27	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1382536	84.05	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	468970	119.00	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1893215	85.35	ng	-0.01
78) Terphenyl-d14	12.93	244	1480835	61.01	ng	0.00

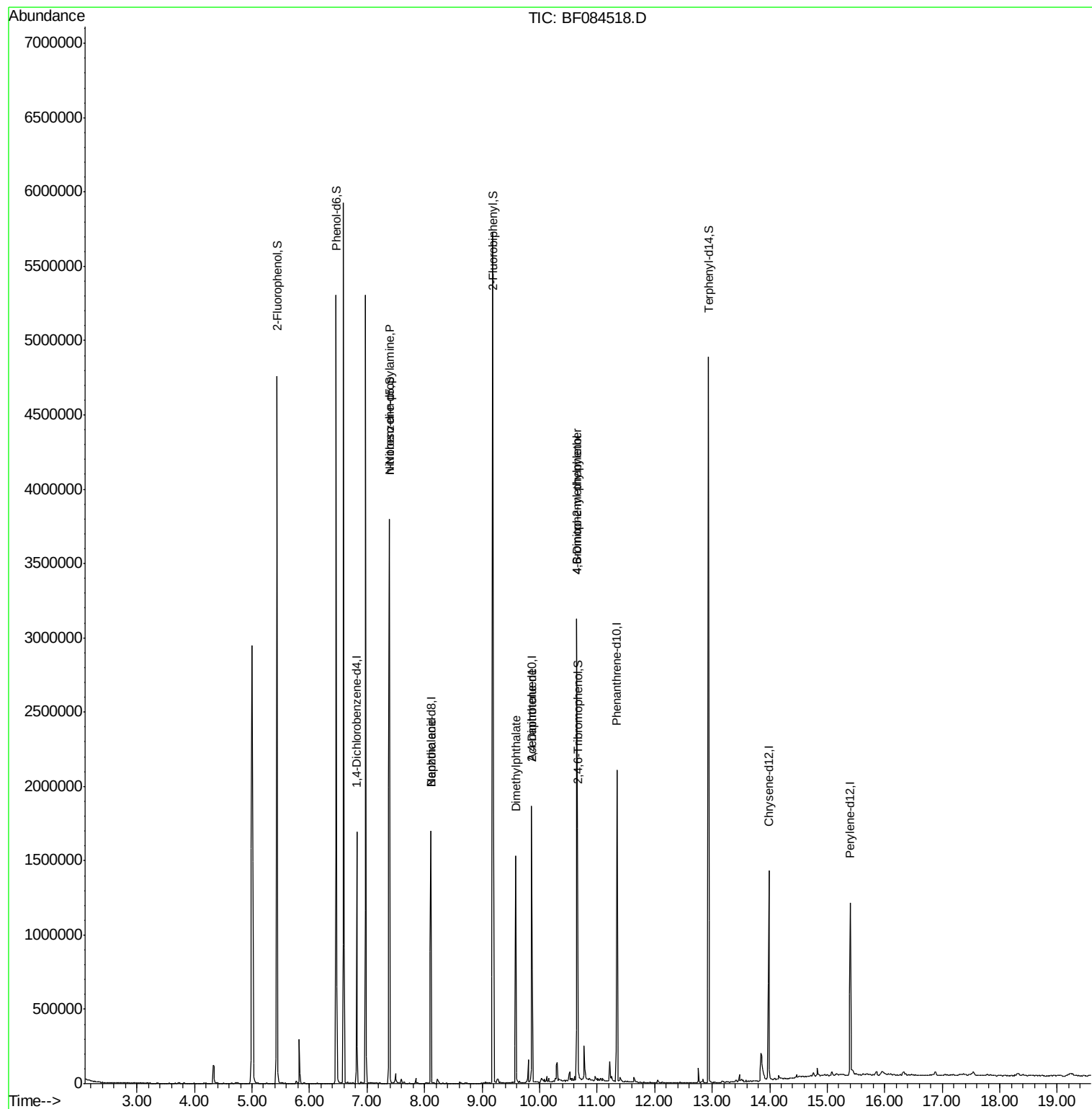
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	187756	15.83	ng	# 75
32) Benzoic acid	8.11	122	226	6.27	ng	# 1
49) Dimethylphthalate	9.58	163	576921	20.67	ng	# 90
54) Dibenzofuran	10.06	168	267	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.86	165	50712	6.55	ng	# 21
57) Fluorene	10.65	166	18030	Below Cal		# 80
64) 4,6-Dinitro-2-methylphenol	10.65	198	865	6.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	28106	3.79	ng	# 1
73) Di-n-butylphthalate	11.92	149	1857	Below Cal		# 79

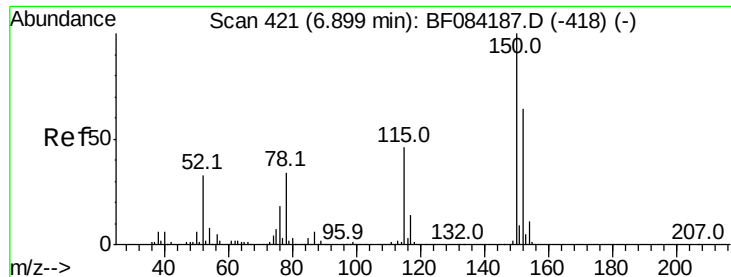
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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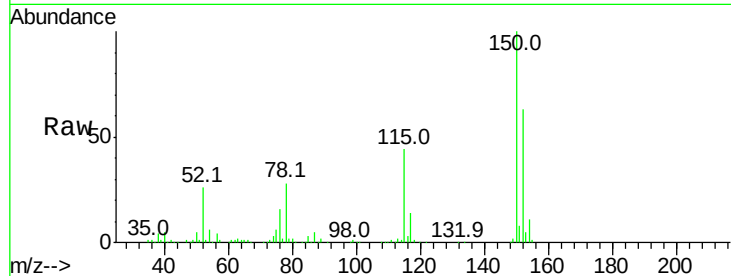


#1

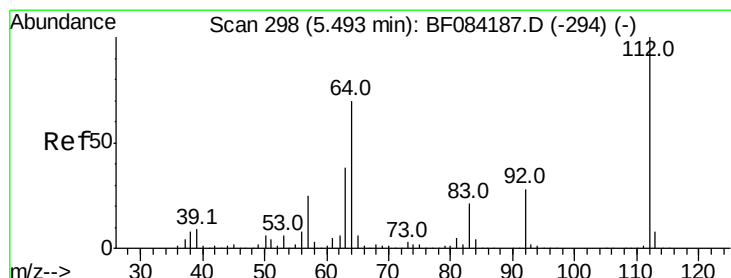
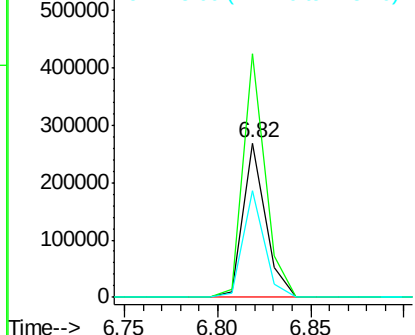
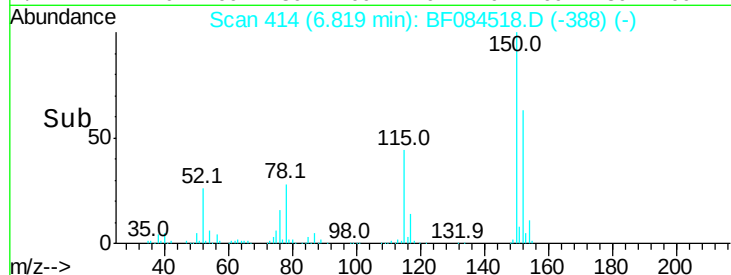
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF084518.D
Acq: 16 Jan 2016 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 225690
Ion Ratio Lower Upper
152 100
150 157.8 123.0 184.4
115 68.9 51.4 77.2



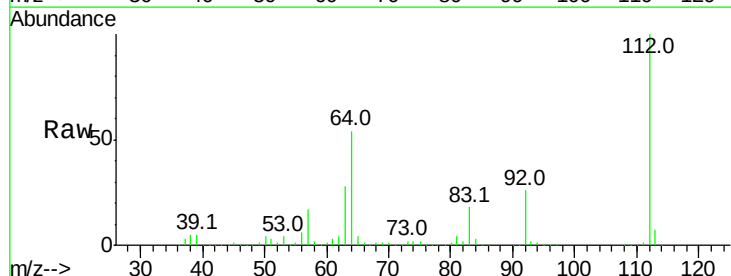
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



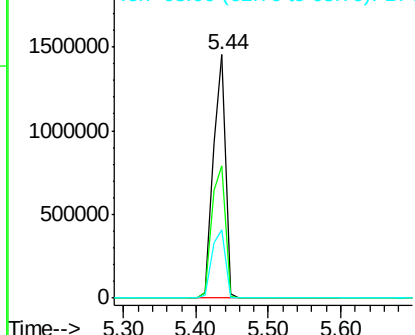
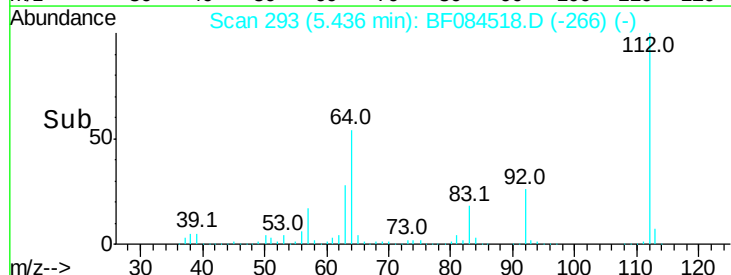
#5

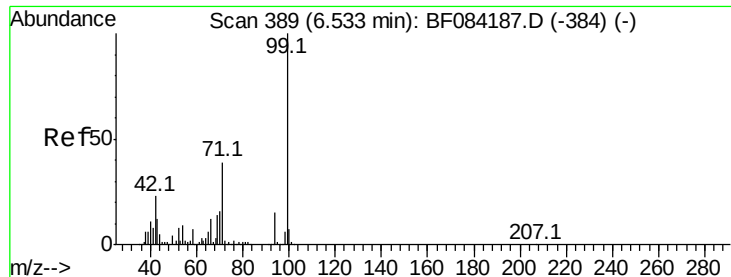
2-Fluorophenol
Concen: 120.75 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF084518.D
Acq: 16 Jan 2016 4:25

Tgt Ion:112 Resp: 1684818
Ion Ratio Lower Upper
112 100
64 54.2 36.6 55.0
63 27.9 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: 101.27 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampled :

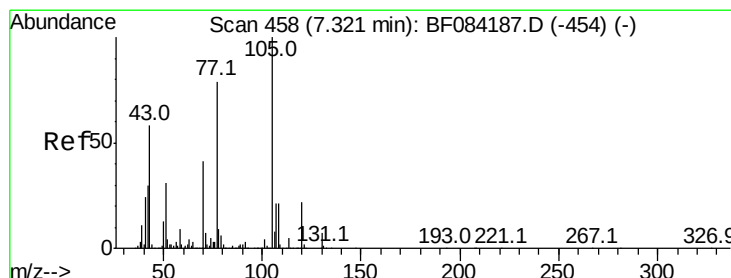
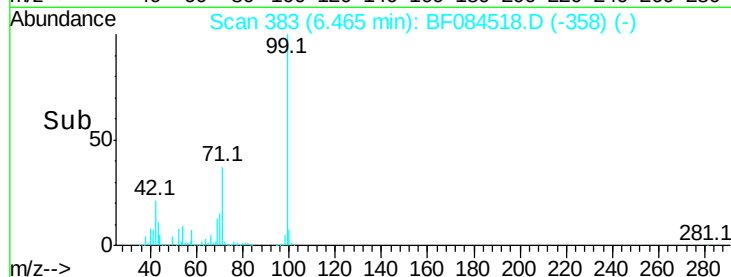
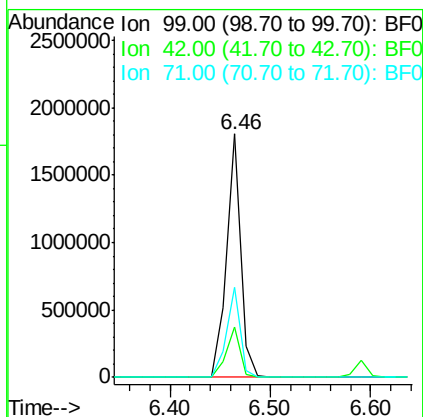
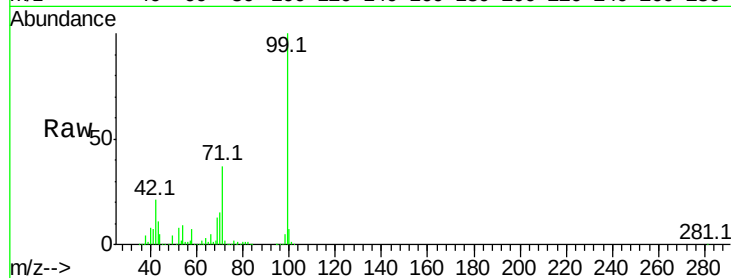
Tot Ion: 99 Resp: 1774708

Ion Ratio Lower Upper

99 100

42 20.9 12.8 19.2#

71 37.2 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.83 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Tgt Ion: 70 Resp: 187756

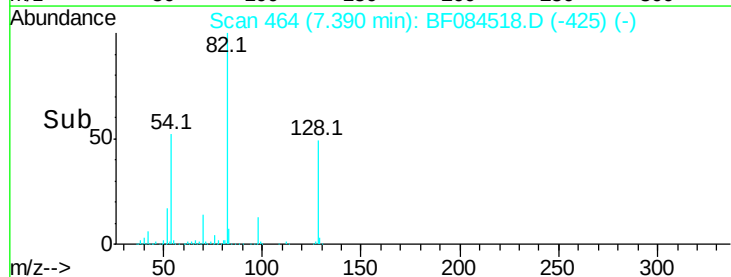
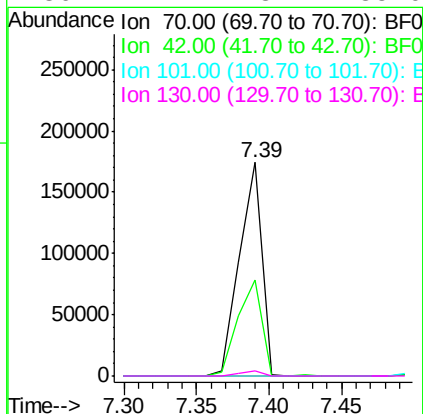
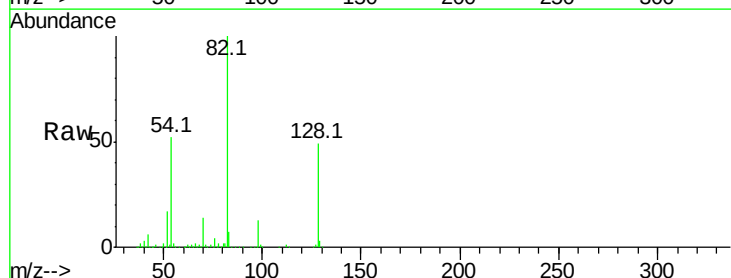
Ion Ratio Lower Upper

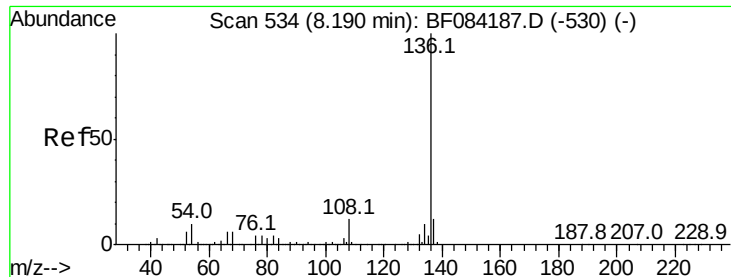
70 100

42 44.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

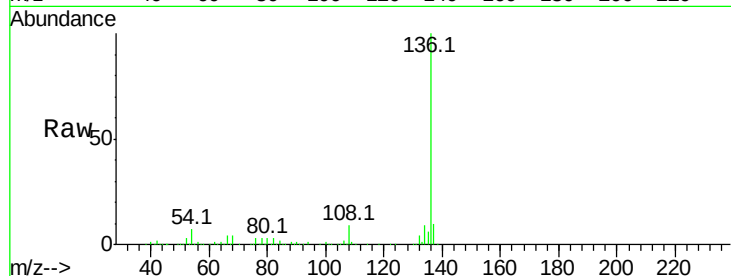




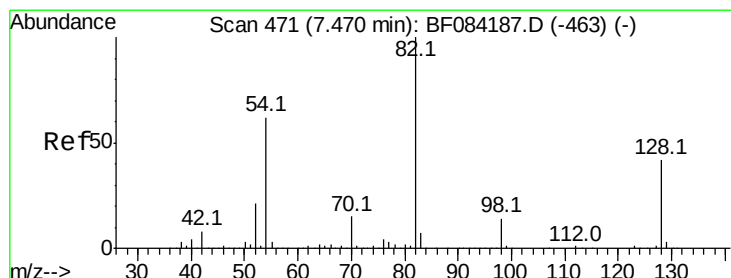
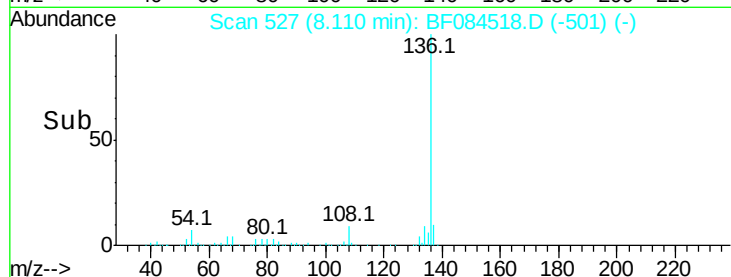
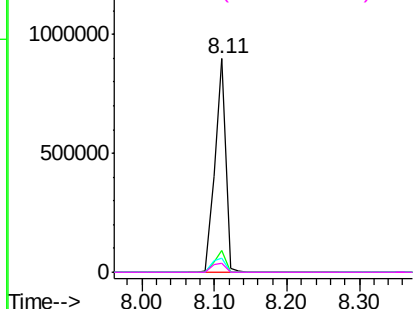
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF084518.D
Acq: 16 Jan 2016 4:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	915432
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.7	13.1
54 6.7	5.8	8.8
68 4.4	4.2	6.2

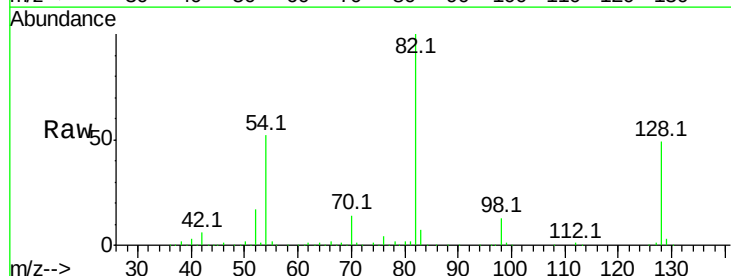


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

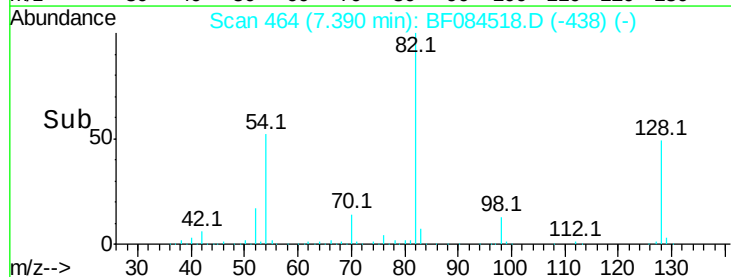
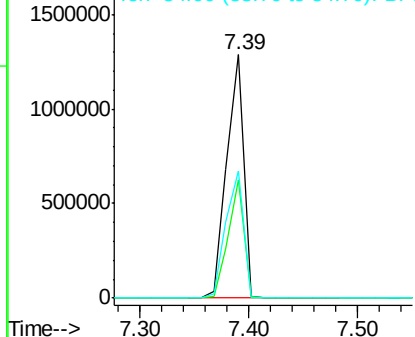


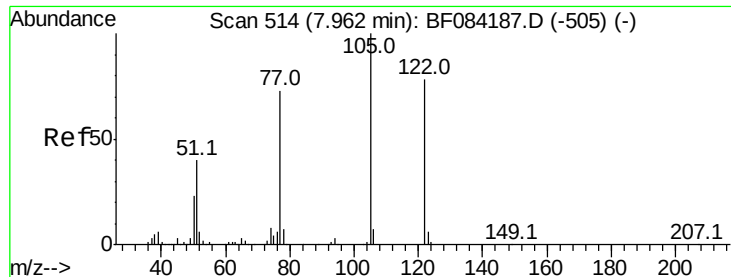
#23
Nitrobenzene-d5
Concen: 84.05 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF084518.D
Acq: 16 Jan 2016 4:25

Tgt Ion: 82	Resp:	1382536
Ion Ratio	Lower	Upper
82 100		
128 48.6	34.6	51.8
54 52.3	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





#32

Benzoic acid

Concen: 6.27 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.21 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampled :

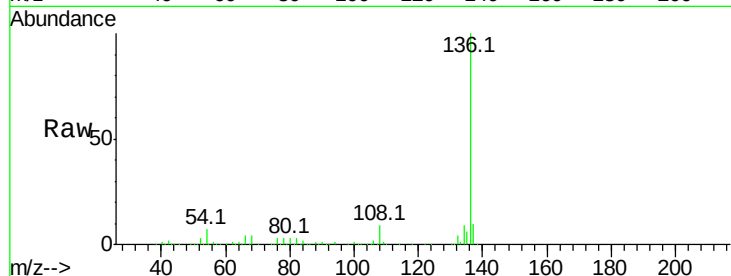
Tot Ion:122 Resp: 226

Ion Ratio Lower Upper

122 100

105 206.4 100.3 140.3#

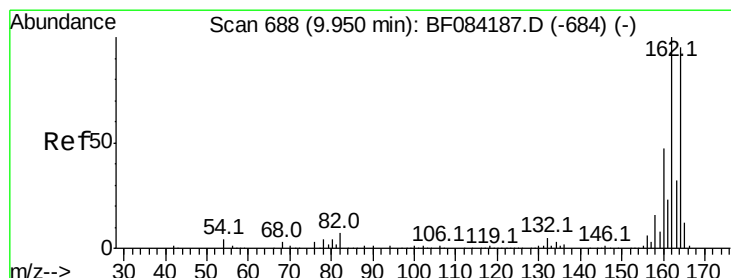
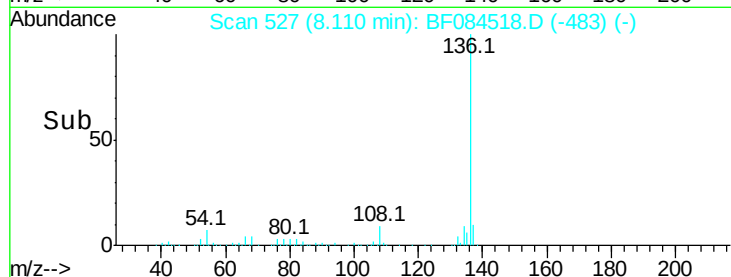
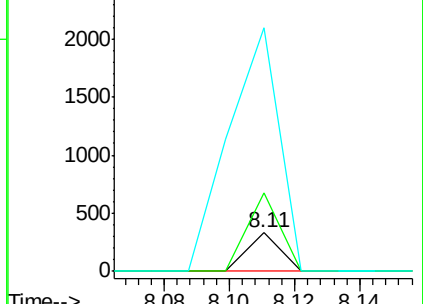
77 637.1 63.5 103.5#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

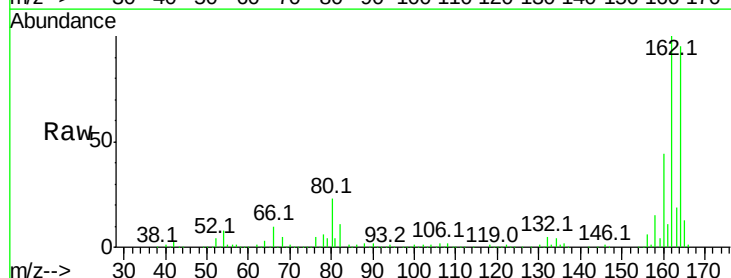
Tgt Ion:164 Resp: 390350

Ion Ratio Lower Upper

164 100

162 104.9 85.1 127.7

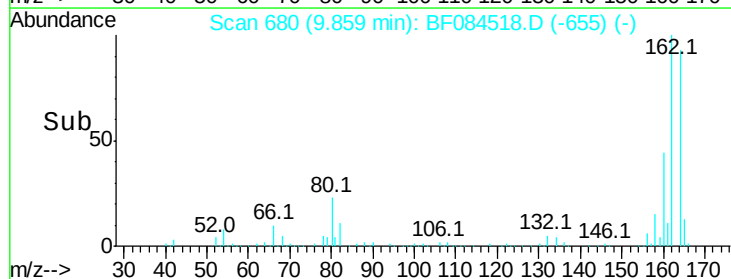
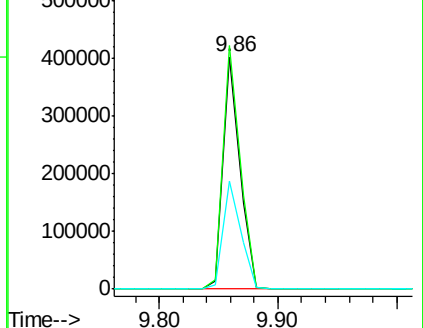
160 46.5 37.5 56.3

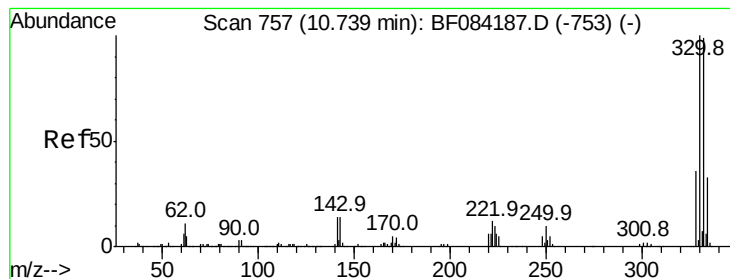


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 119.00 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampled :

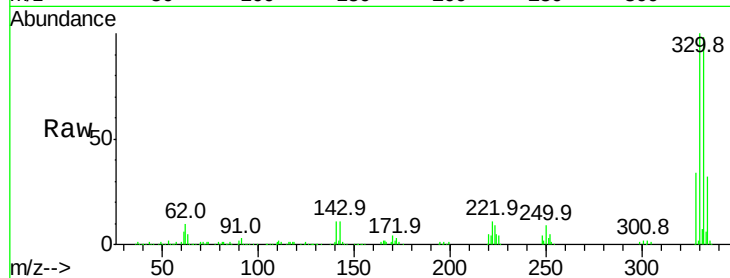
Tot Ion:330 Resp: 468970

Ion Ratio Lower Upper

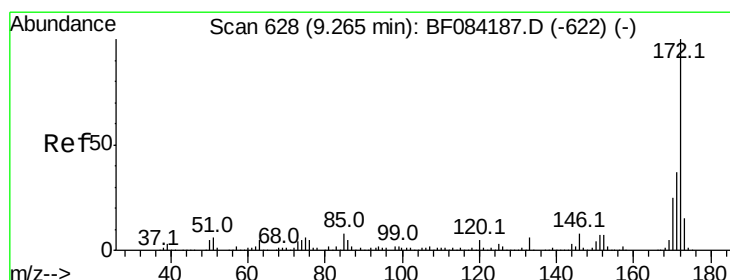
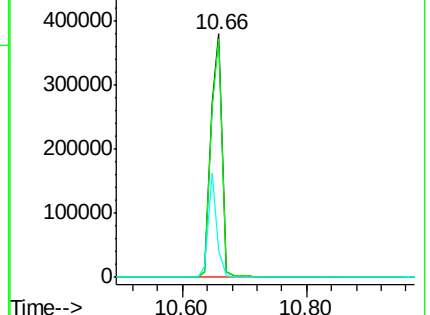
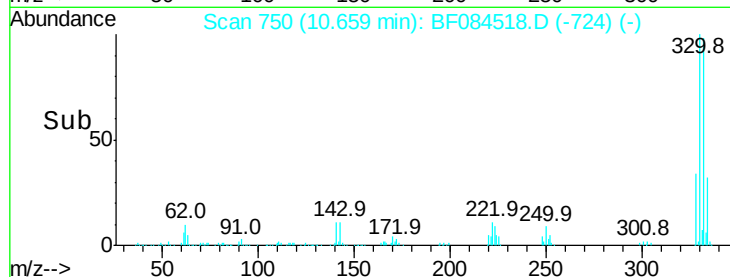
330 100

332 97.8 76.6 114.8

141 33.2 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: 85.35 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

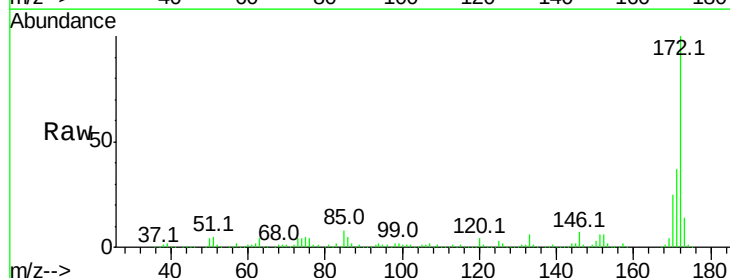
Tgt Ion:172 Resp: 1893215

Ion Ratio Lower Upper

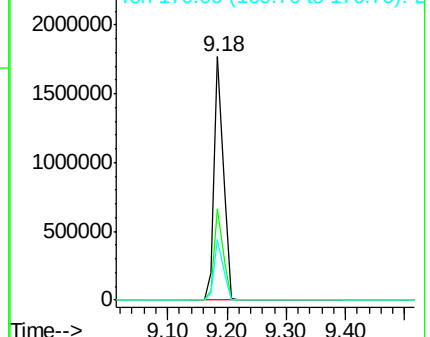
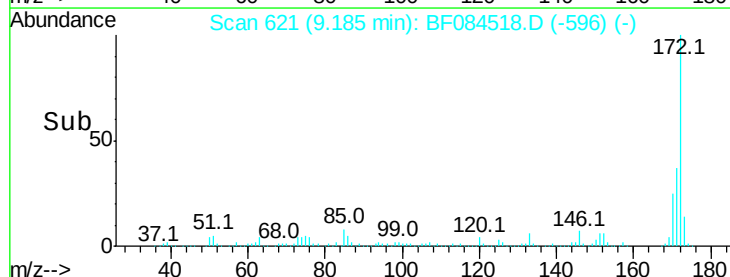
172 100

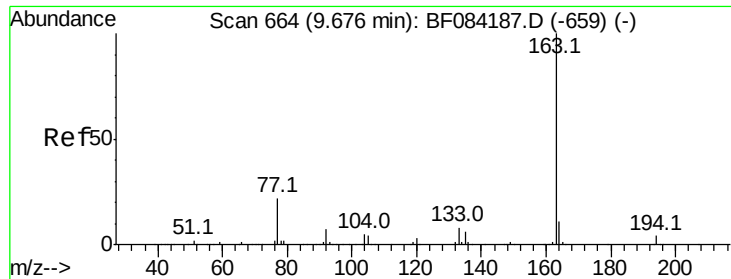
171 37.3 28.9 43.3

170 25.1 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: 20.67 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampled :

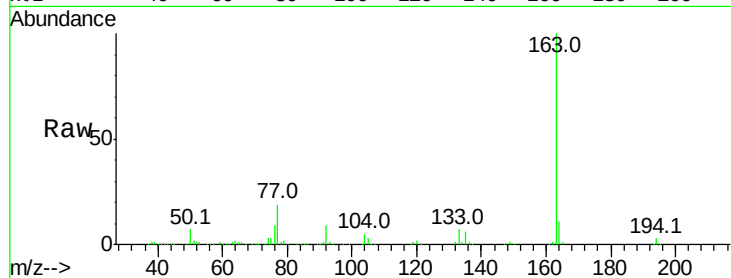
Tot Ion:163 Resp: 576921

Ion Ratio Lower Upper

163 100

194 3.1 8.0 12.0#

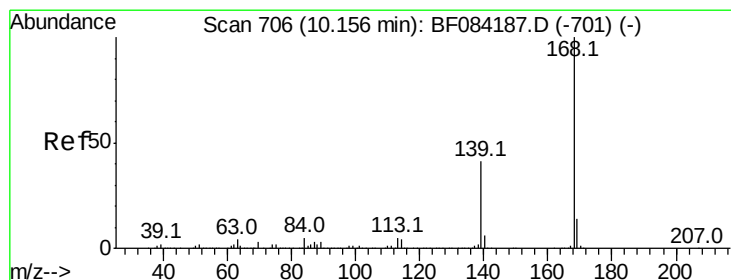
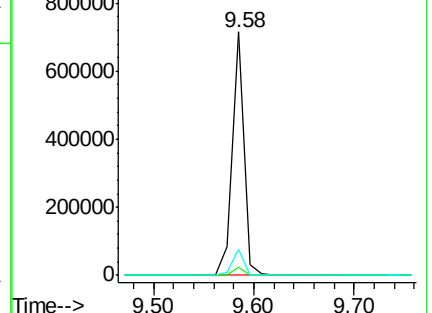
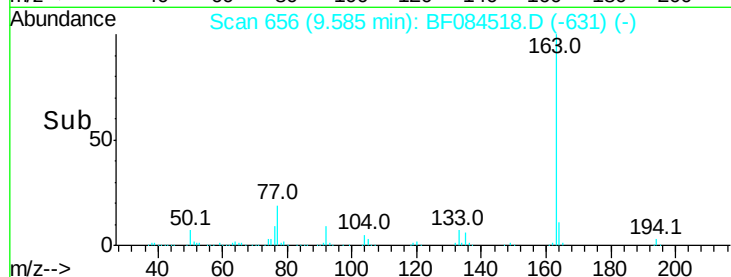
164 10.7 8.0 12.0



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



#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

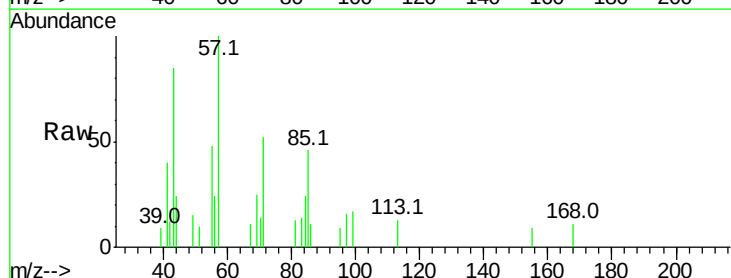
Tgt Ion:168 Resp: 267

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

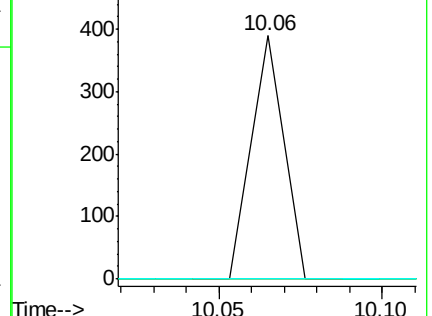
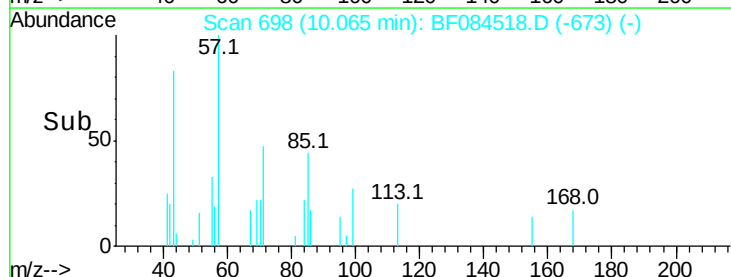
169 0.0 10.4 15.6#

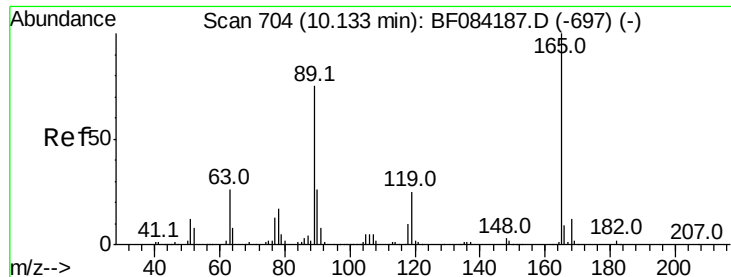


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

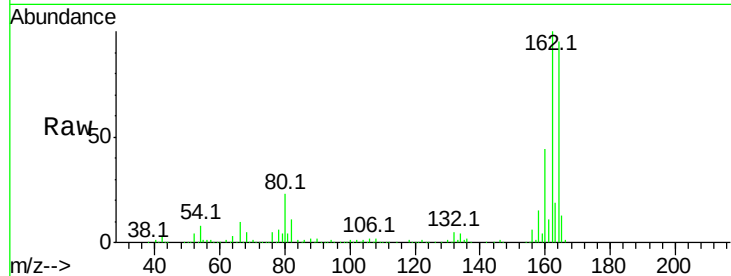




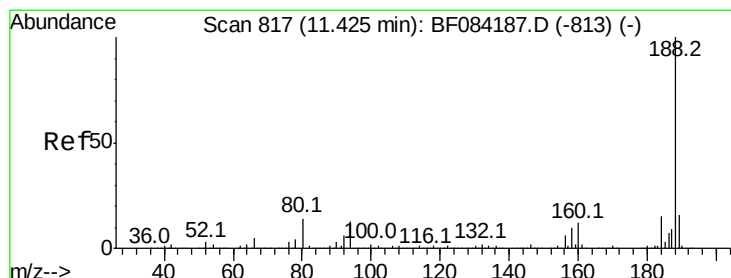
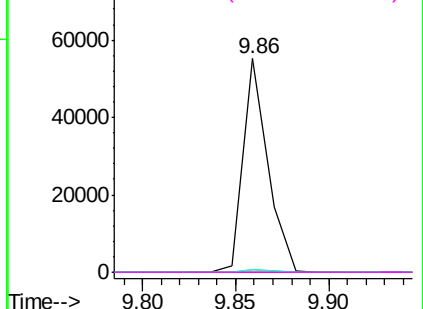
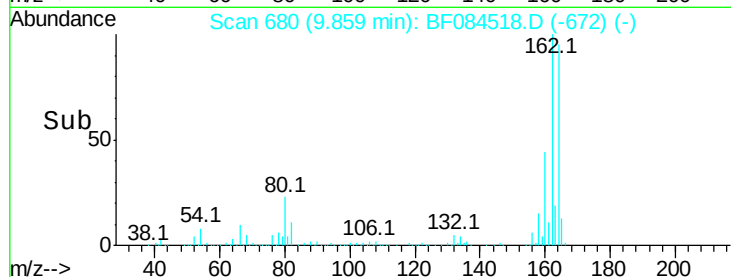
#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF084518.D
 Acq: 16 Jan 2016 4:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 50712
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.7 55.1#
 89 1.2 61.9 92.9#
 182 0.0 2.0 3.0#

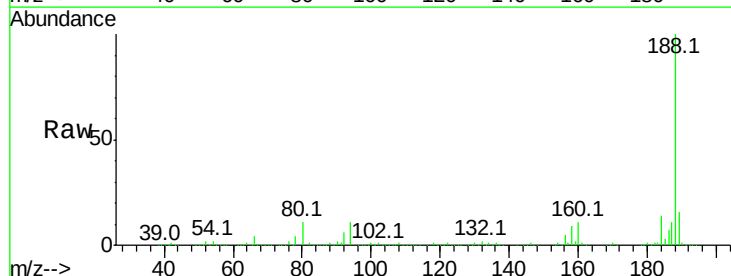


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

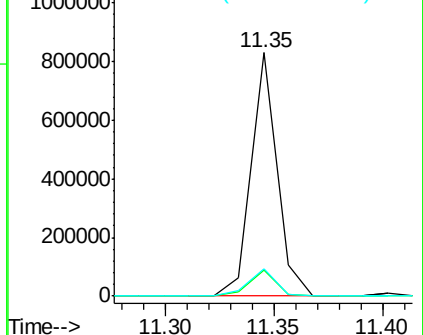
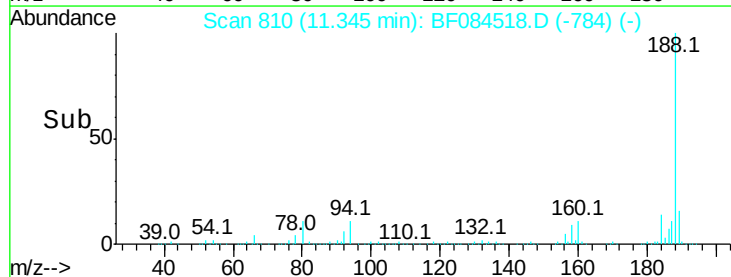


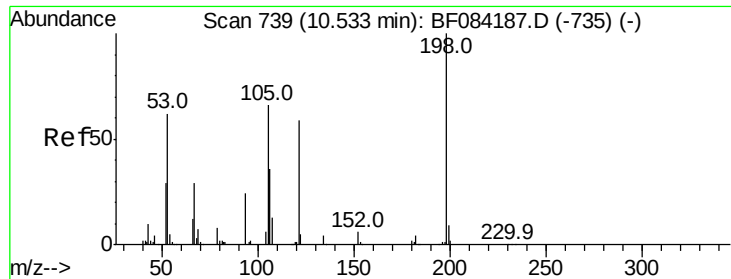
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF084518.D
 Acq: 16 Jan 2016 4:25

Tgt Ion:188 Resp: 689054
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.0 13.4
 80 11.2 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: 6.58 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.18 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampleId :

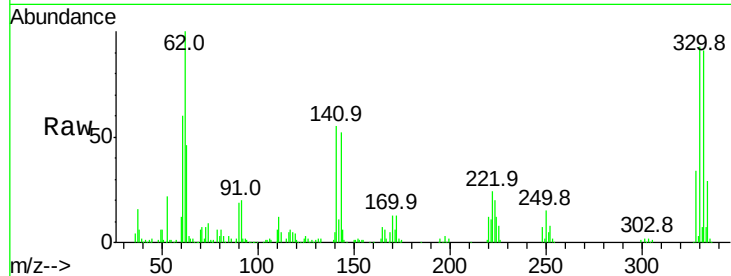
Tot Ion:198 Resp: 865

Ion Ratio Lower Upper

198 100

51 294.7 18.9 58.9#

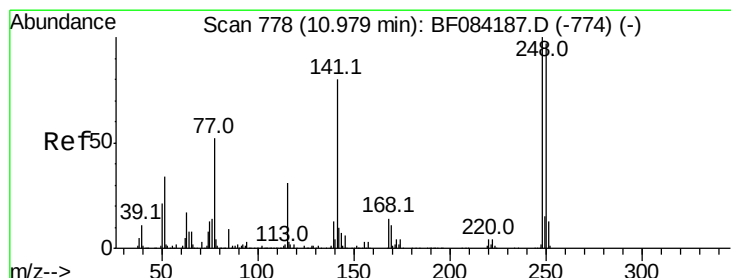
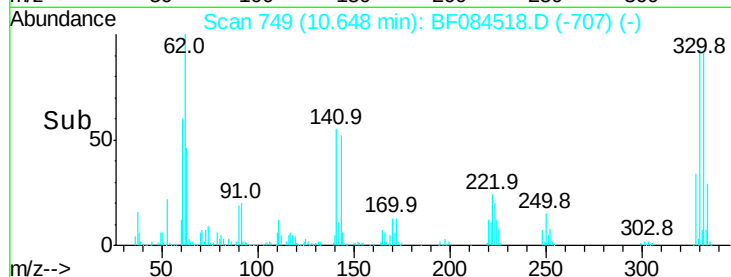
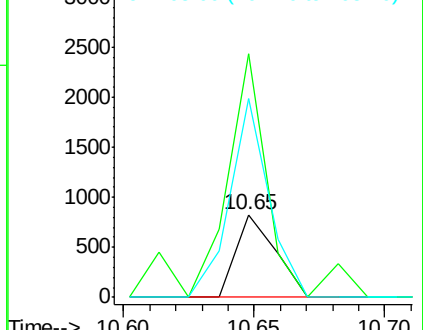
105 241.0 26.4 66.4#



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: 3.79 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.25 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

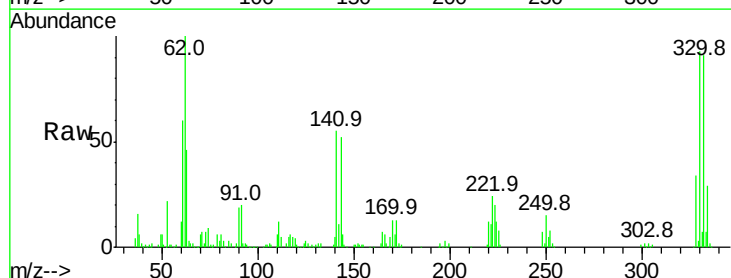
Tgt Ion:248 Resp: 28106

Ion Ratio Lower Upper

248 100

250 205.3 78.4 117.6#

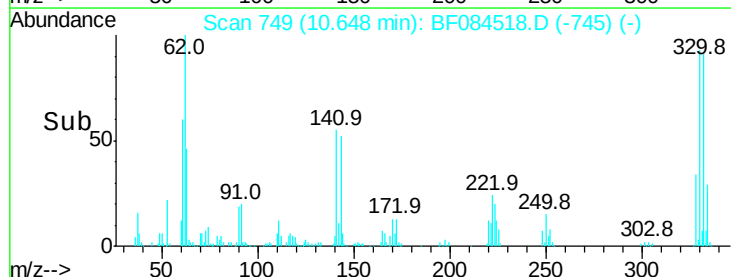
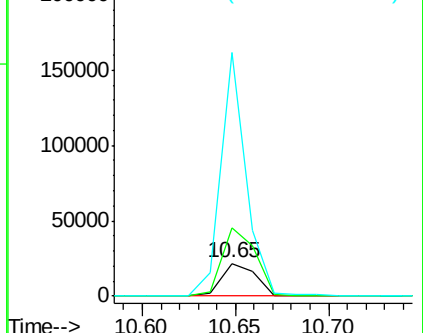
141 737.3 44.0 66.0#

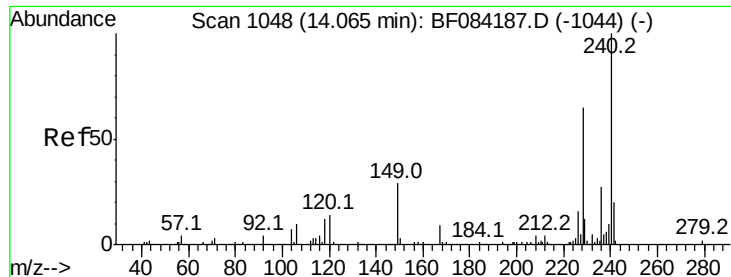


Abundance Ion 248.00 (247.70 to 248.70): E

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. 0.00 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampleId :

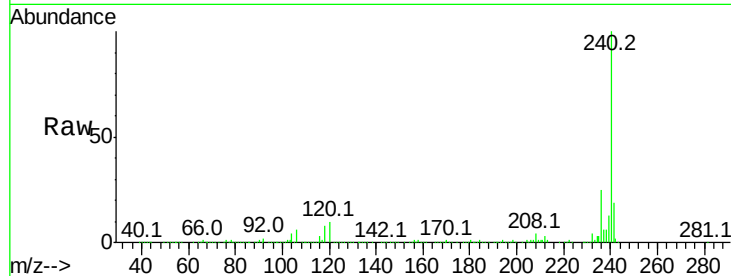
Tot Ion:240 Resp: 541767

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

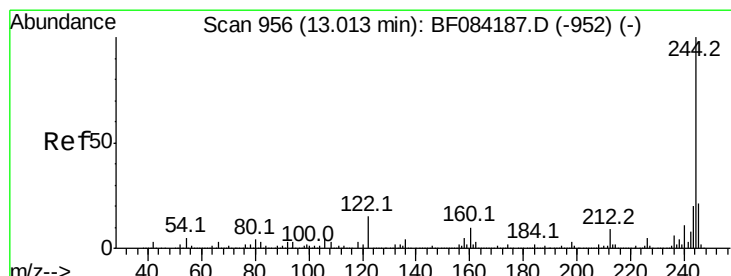
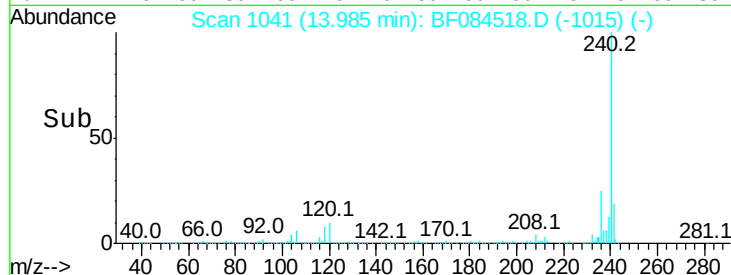
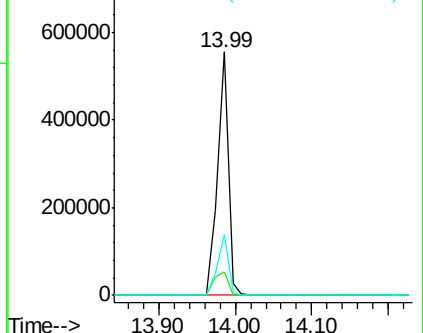
236 24.9 20.6 31.0



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: 61.01 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

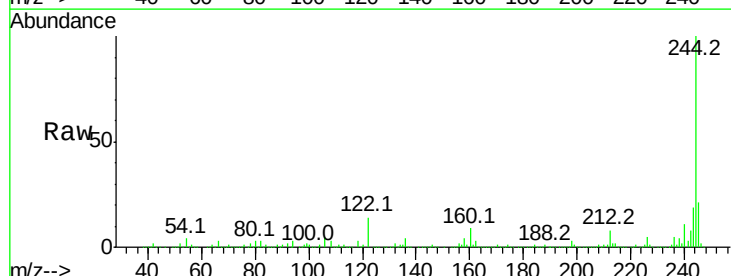
Tgt Ion:244 Resp: 1480835

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

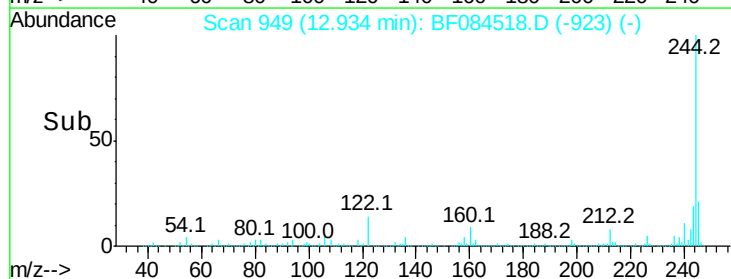
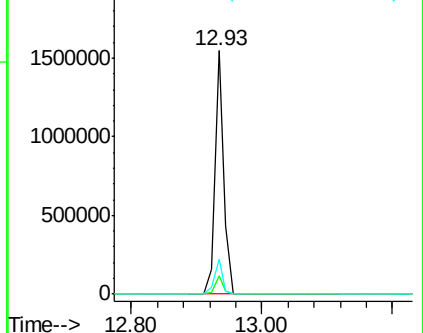
122 14.5 7.4 11.0#

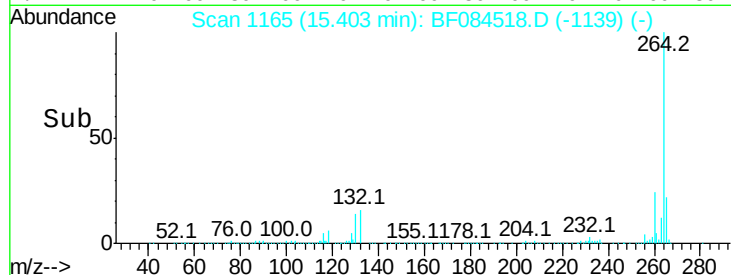
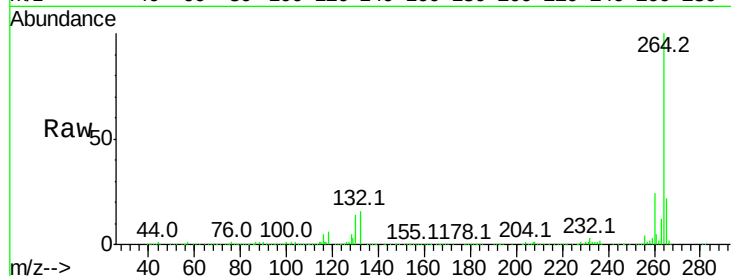
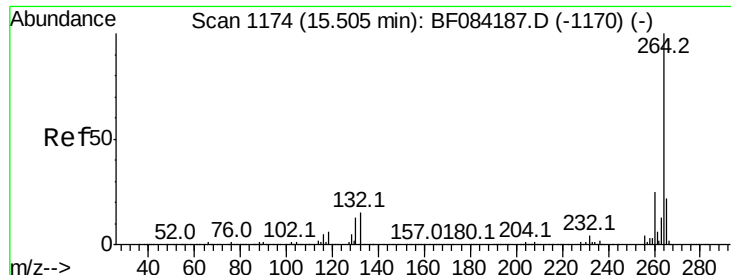


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF084518.D

Acq: 16 Jan 2016 4:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 520974

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.8 17.8 26.6

