

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083147.D
 Acq On : 22 Nov 2015 9:26
 Operator : UM/IZ
 Sample : G4510-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 02:59:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

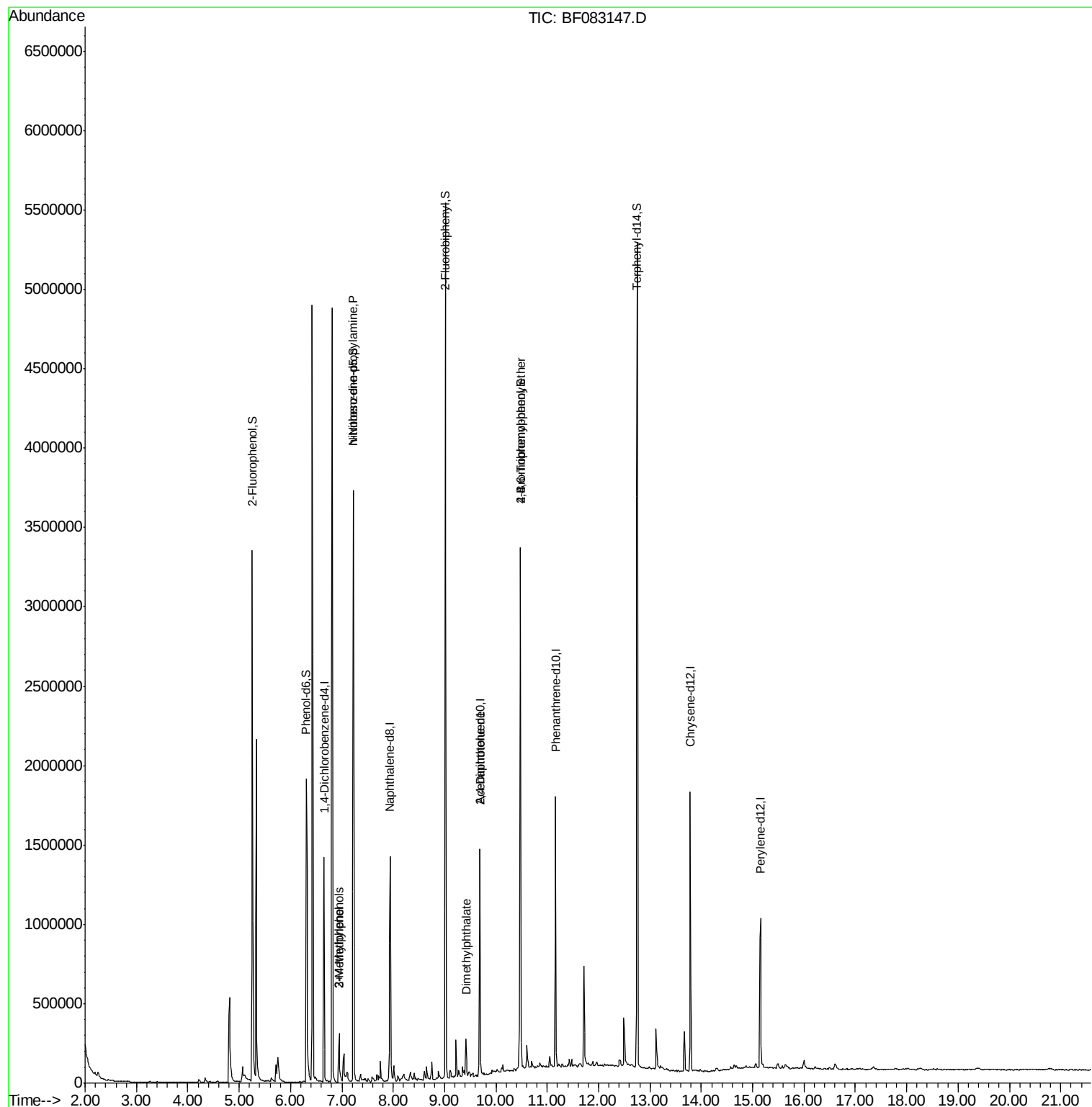
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	211370	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	757628	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	376054	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	712218	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	621391	20.00	ng	-0.02
86) Perylene-d12	15.15	264	515445	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1087038	77.75	ng	-0.02
7) Phenol-d6	6.31	99	915336	50.60	ng	-0.03
23) Nitrobenzene-d5	7.22	82	1417431	85.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	523210	136.00	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	2265667	84.01	ng	-0.01
78) Terphenyl-d14	12.75	244	2090338	79.22	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.31	77	1658	Below Cal	#	4
17) 2-Methylphenol	6.95	107	51954	4.16	ng	# 38
19) n-Nitroso-di-n-propylamine	7.22	70	194064	15.42	ng	# 76
20) 3+4-Methylphenols	6.95	107	51954	3.29	ng	# 28
49) Dimethylphthalate	9.42	163	90636	3.13	ng	# 99
56) 2,4-Dinitrotoluene	9.69	165	47639	5.79	ng	# 12
66) 4-Bromophenyl-phenylether	10.48	248	36632	4.64	ng	# 1

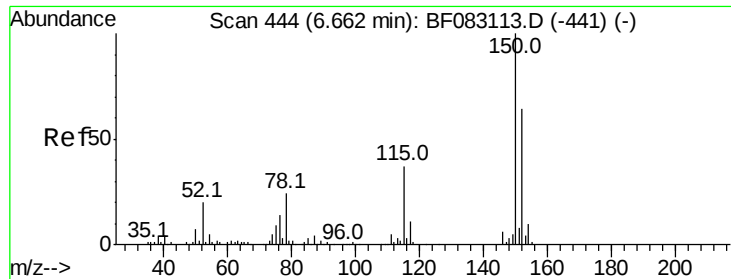
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Instrument :

BNA_F

ClientSampleId :

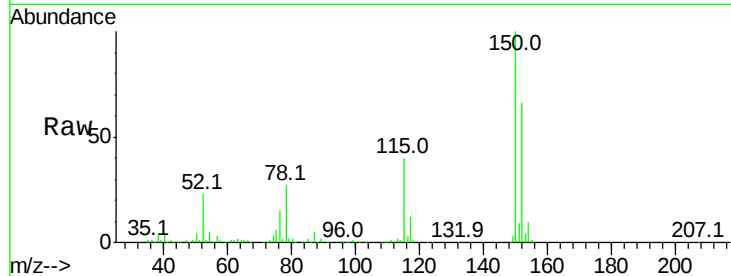
Tot Ion:152 Resp: 211370

Ion Ratio Lower Upper

152 100

150 152.4 125.8 188.8

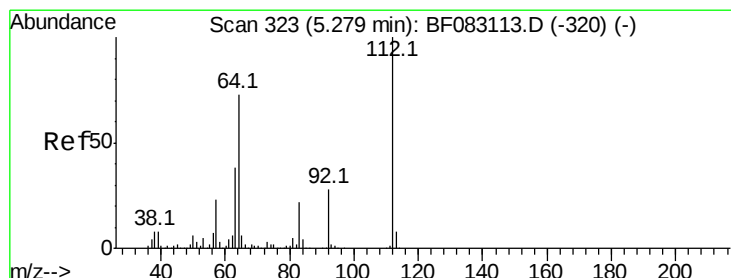
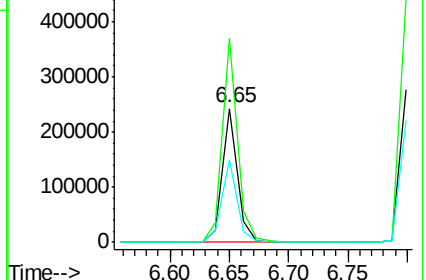
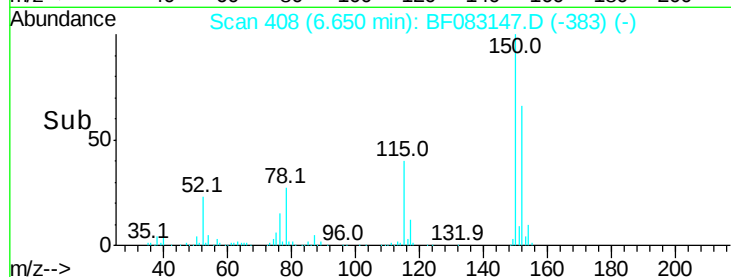
115 61.2 46.9 70.3



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: 77.75 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

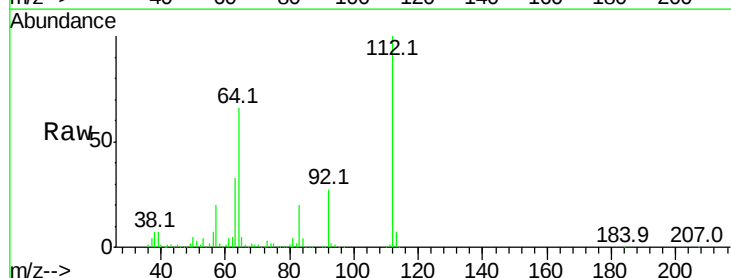
Tgt Ion:112 Resp: 1087038

Ion Ratio Lower Upper

112 100

64 65.8 58.4 87.6

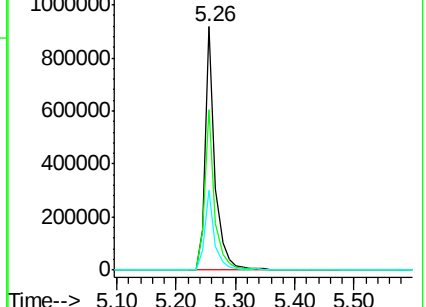
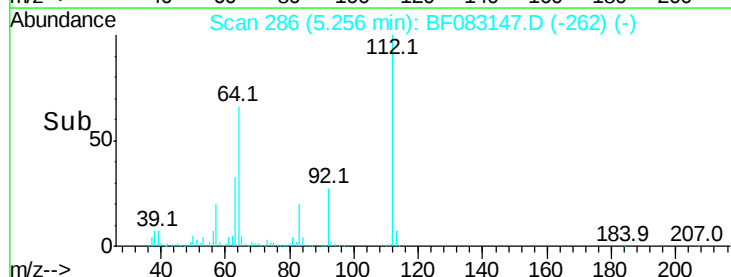
63 32.9 30.0 45.0

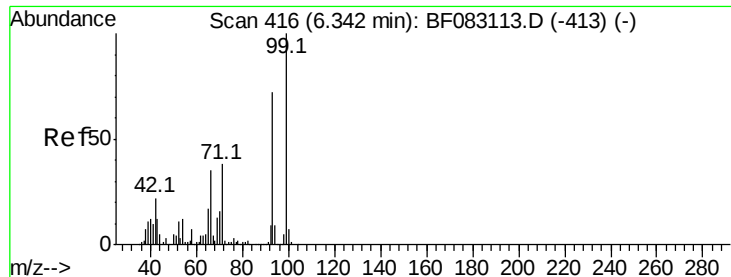


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.60 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Instrument :

BNA_F

ClientSampleId :

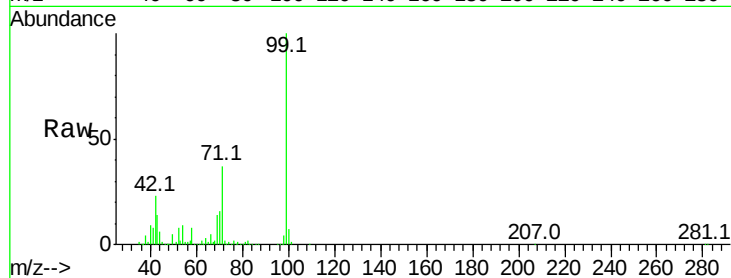
Tot Ion: 99 Resp: 915336

Ion Ratio Lower Upper

99 100

42 23.1 17.7 26.5

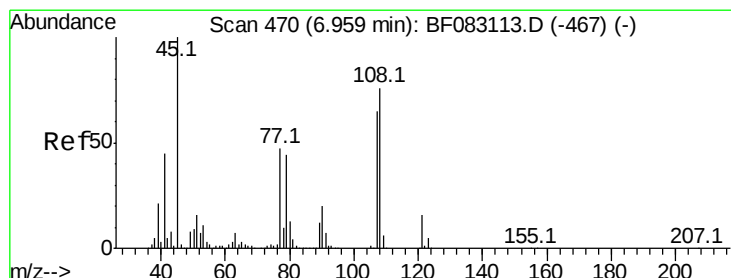
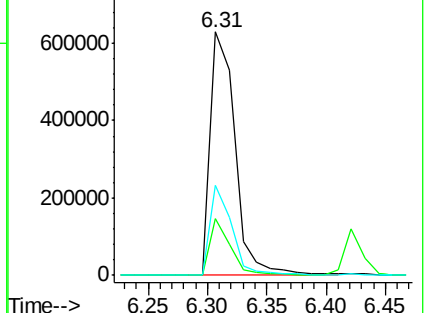
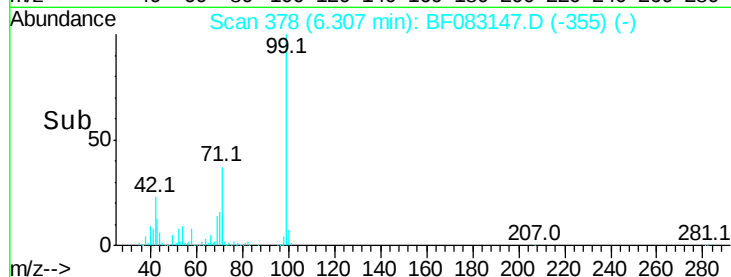
71 37.1 30.2 45.4



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



#17

2-Methylphenol

Concen: 4.16 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Tgt Ion:107 Resp: 51954

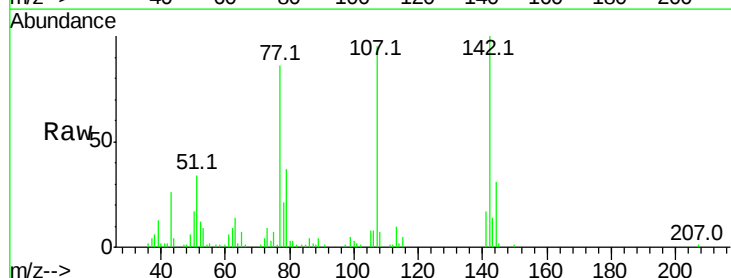
Ion Ratio Lower Upper

107 100

108 7.7 93.8 140.6#

77 91.2 57.4 86.0#

79 38.7 54.4 81.6#

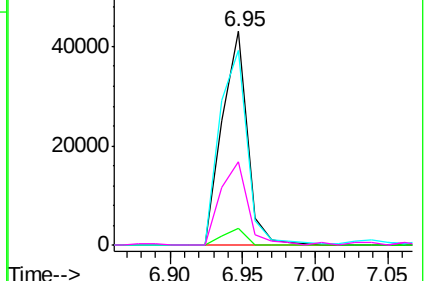
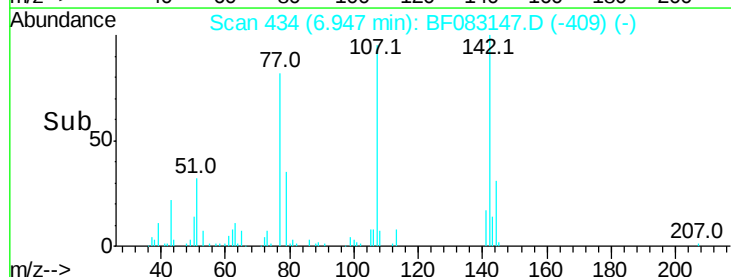


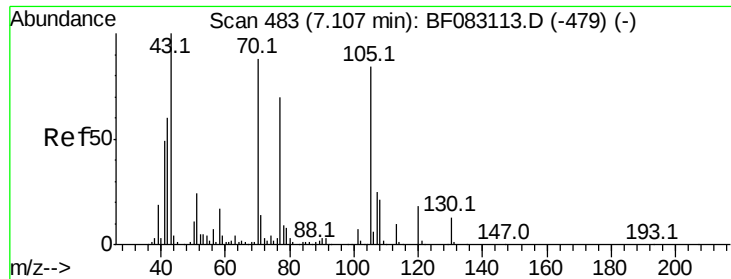
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.42 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 194064

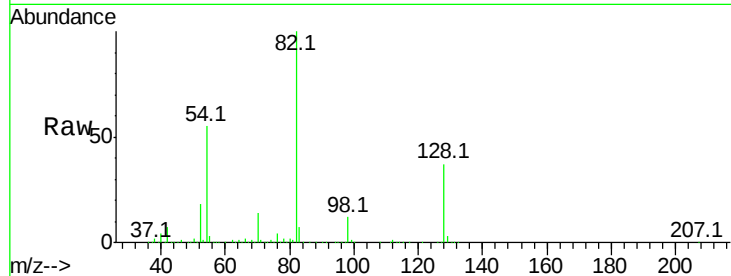
Ion Ratio Lower Upper

70 100

42 50.3 54.5 81.7#

101 0.0 6.6 9.8#

130 1.8 11.5 17.3#

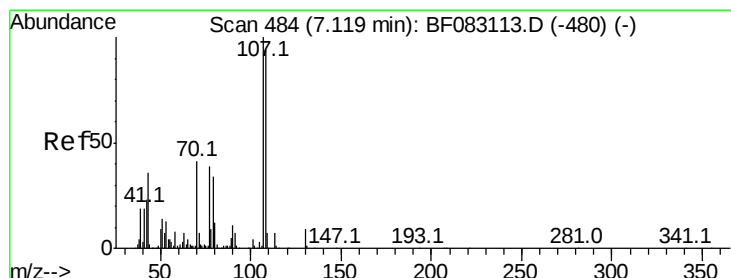
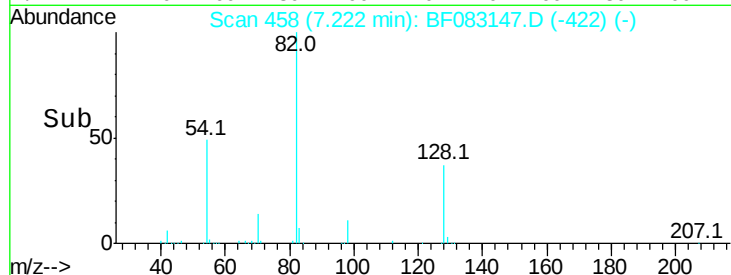
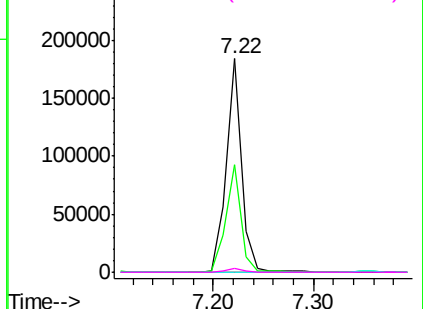


Abundance Ion 70.00 (69.70 to 70.70): BF0

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



#20

3+4-Methylphenols

Concen: 3.29 ng

RT: 6.95 min Scan# 434

Delta R.T. -0.17 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Tgt Ion:107 Resp: 51954

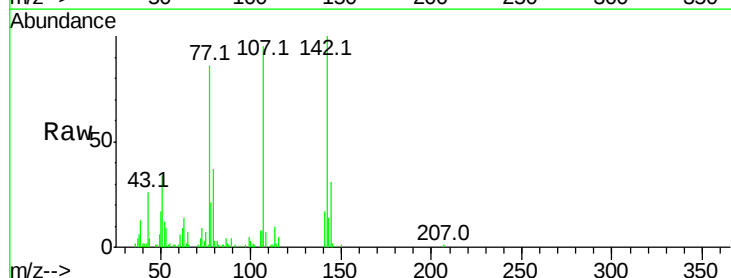
Ion Ratio Lower Upper

107 100

108 7.7 73.8 113.8#

77 91.2 19.1 59.1#

79 38.7 13.7 53.7

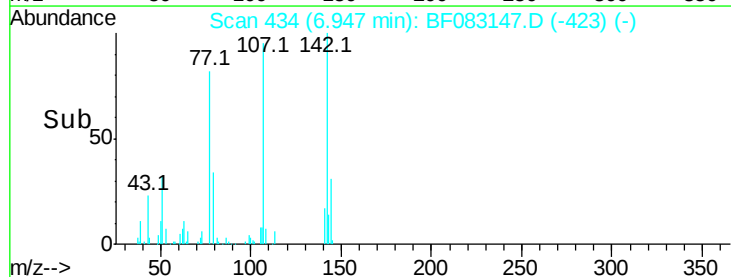
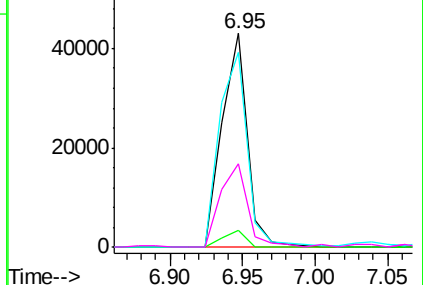


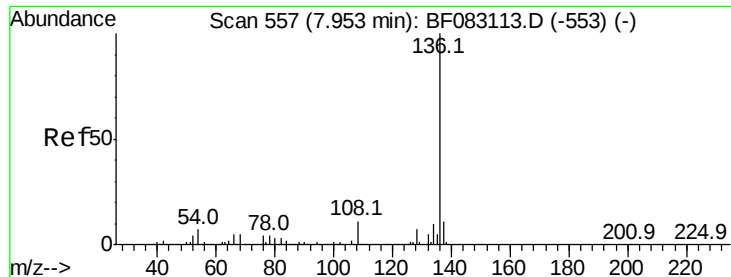
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

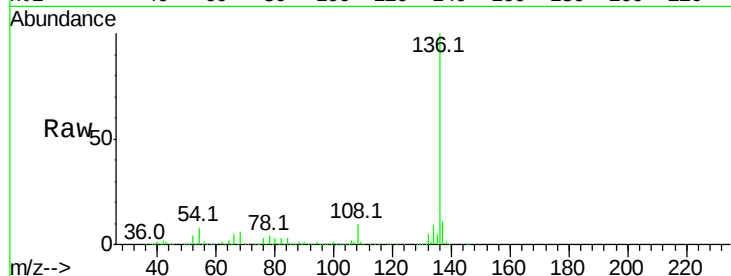




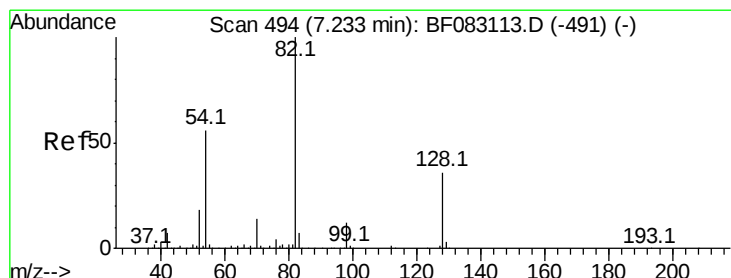
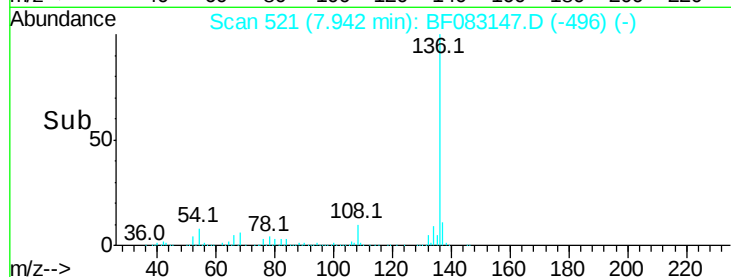
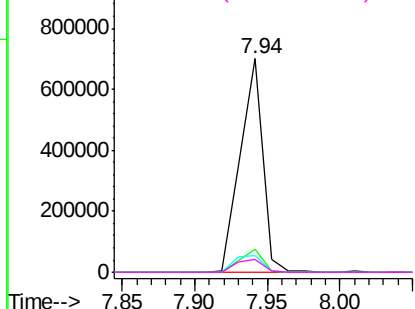
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	757628
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.7	5.8	8.6
68	5.9	3.8	5.8#

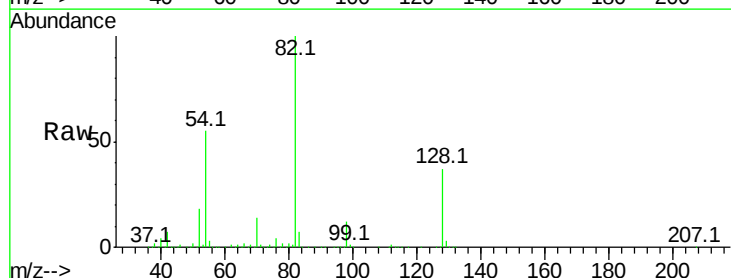


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

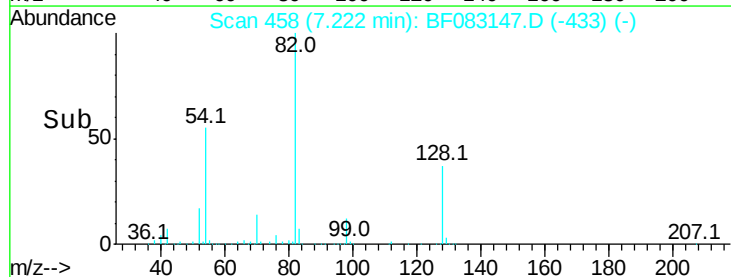
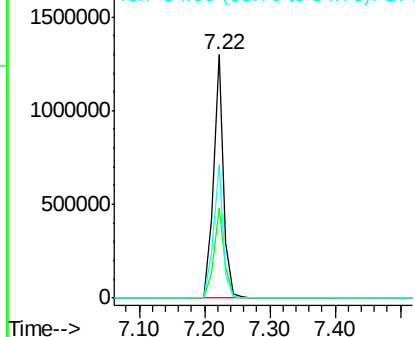


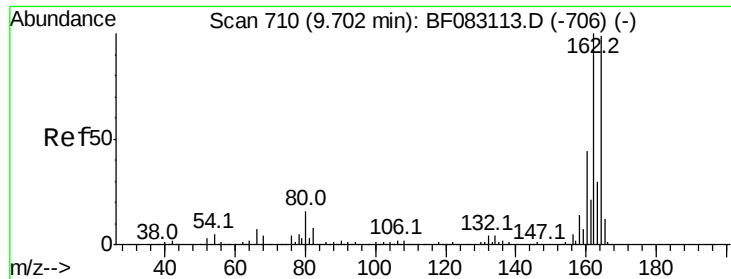
#23
Nitrobenzene-d5
Concen: 85.49 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

Tgt Ion:	82	Resp:	1417431
Ion	Ratio	Lower	Upper
82	100		
128	37.1	28.5	42.7
54	54.7	44.6	67.0



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

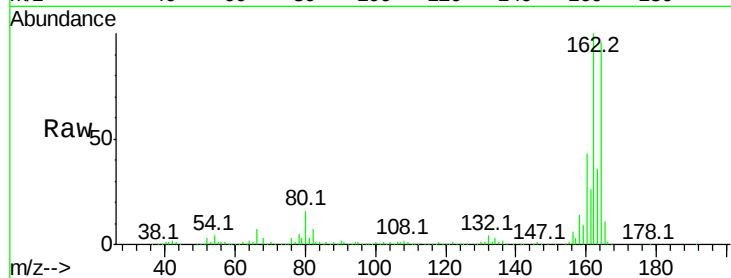




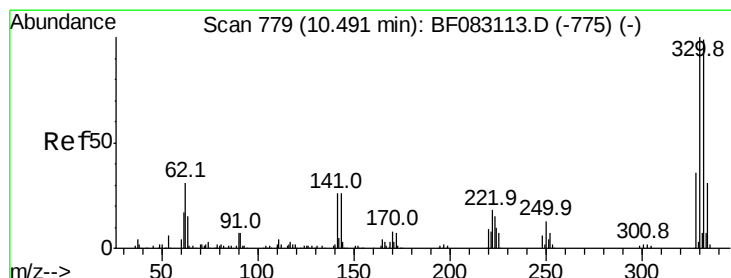
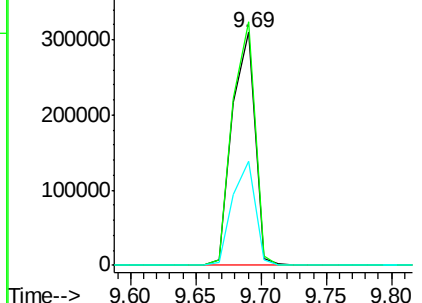
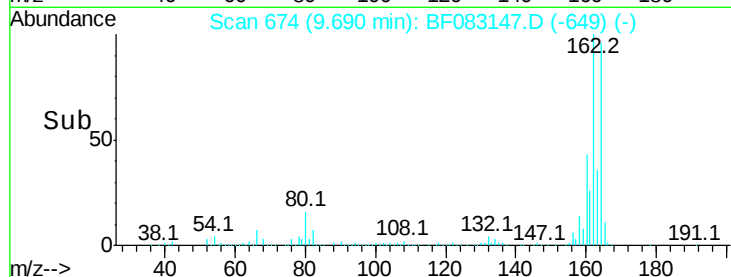
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 376054
Ion Ratio Lower Upper
164 100
162 104.6 81.2 121.8
160 44.7 35.6 53.4

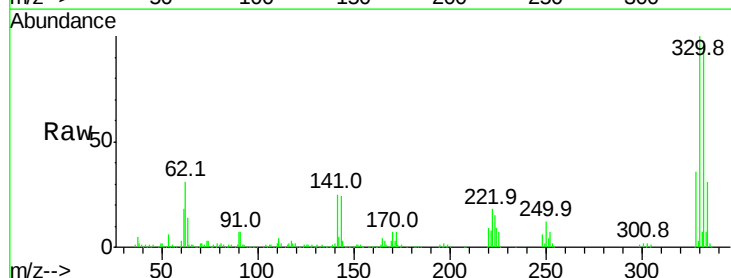


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

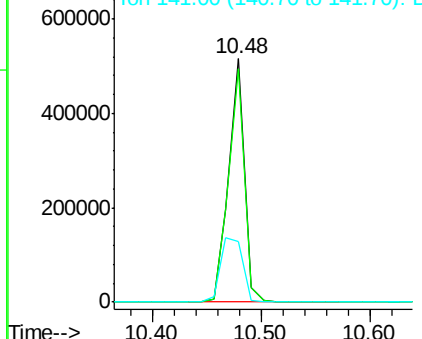
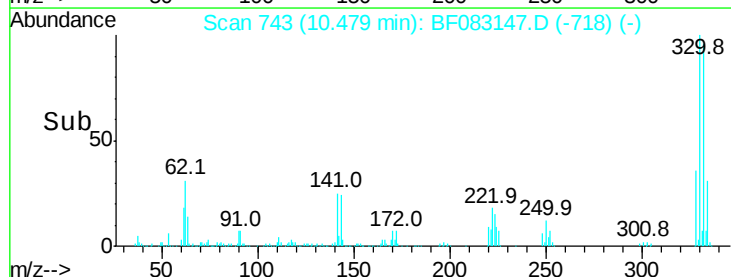


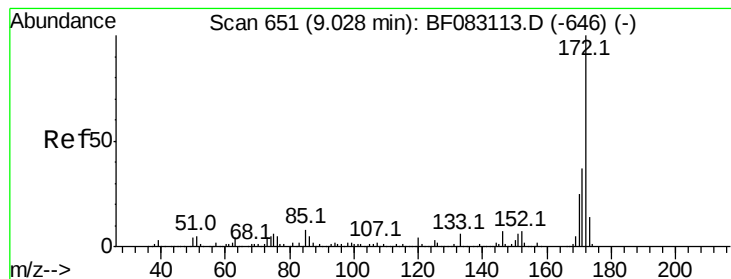
#41
2,4,6-Tribromophenol
Concen: 136.00 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

Tgt Ion:330 Resp: 523210
Ion Ratio Lower Upper
330 100
332 97.4 77.7 116.5
141 37.8 29.7 44.5



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

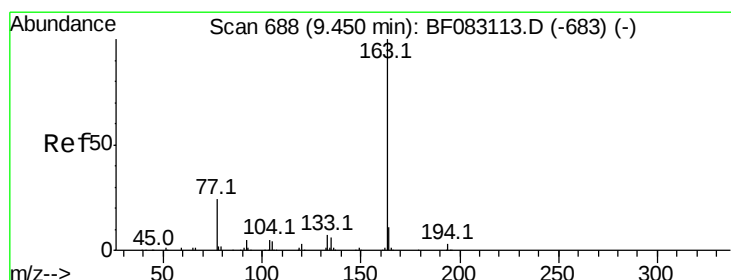
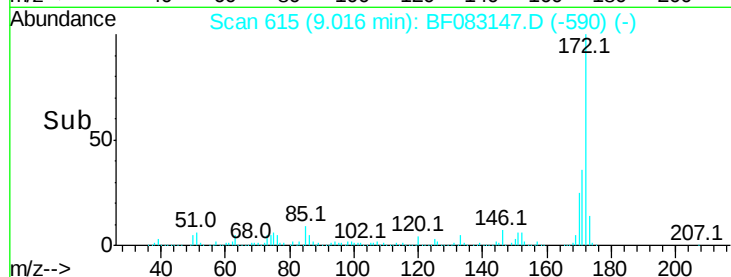
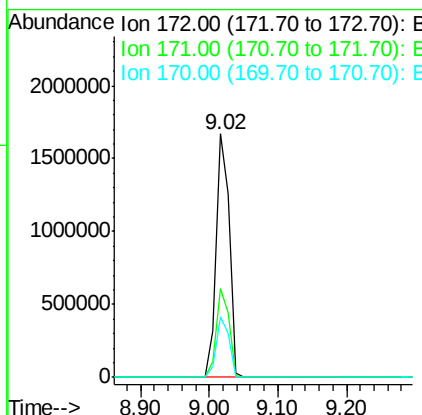
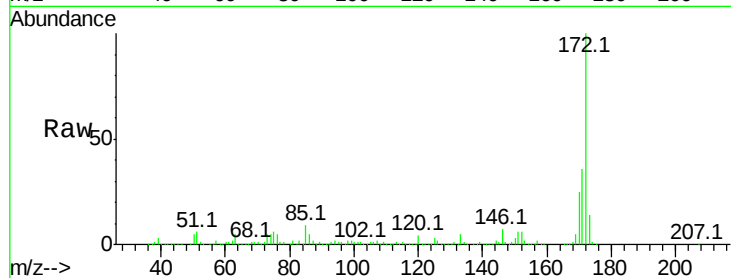




#44
2-Fluorobiphenyl
Concen: 84.01 ng
RT: 9.02 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

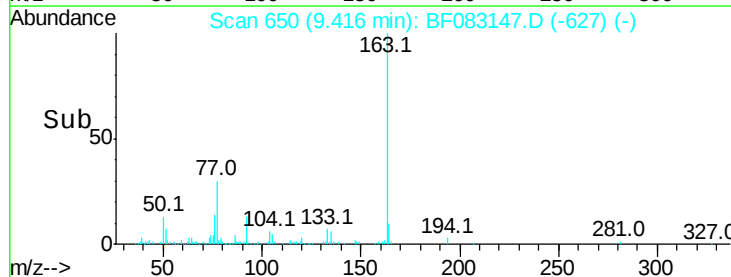
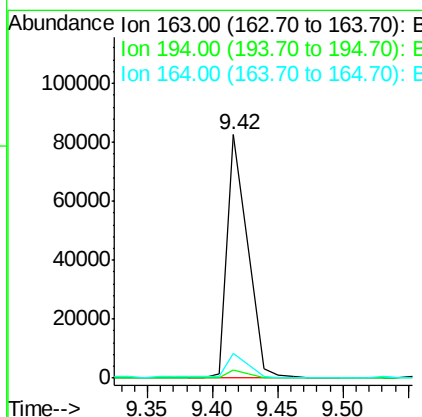
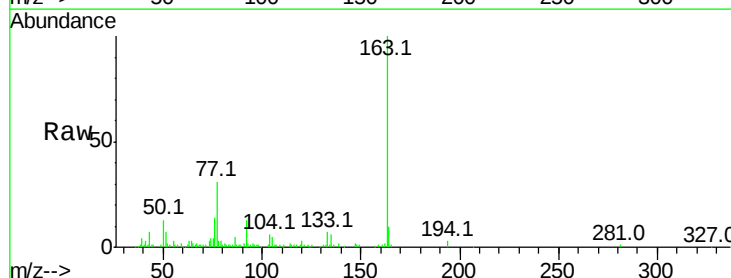
Instrument :
BNA_F
ClientSampleId :

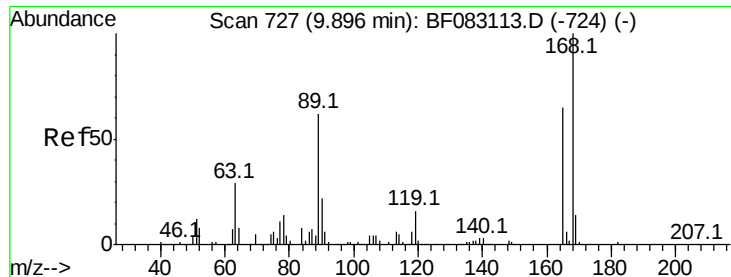
Tot Ion:172 Resp: 2265667
Ion Ratio Lower Upper
172 100
171 36.4 29.5 44.3
170 25.0 19.9 29.9



#49
Dimethylphthalate
Concen: 3.13 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083147.D
Acq: 22 Nov 2015 9:26

Tgt Ion:163 Resp: 90636
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.2 8.6 12.8

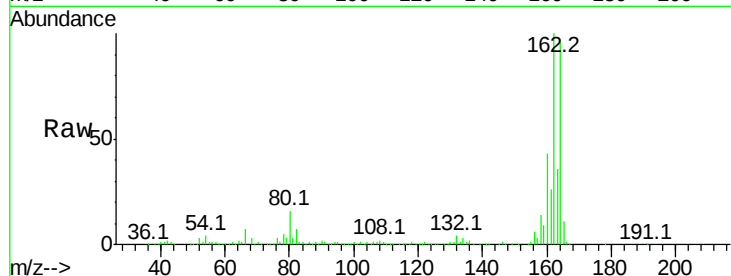




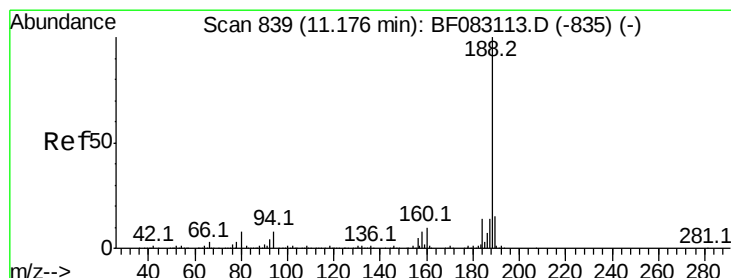
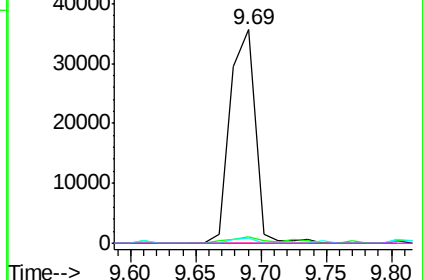
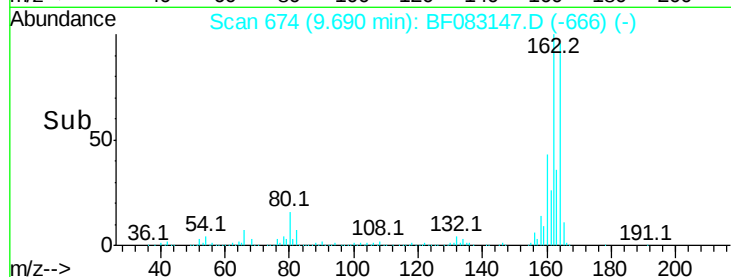
#56
 2,4-Dinitrotoluene
 Concen: 5.79 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.21 min
 Lab File: BF083147.D
 Acq: 22 Nov 2015 9:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 47639
 Ion Ratio Lower Upper
 165 100
 63 3.1 54.5 81.7#
 89 2.5 77.3 115.9#
 182 0.0 1.8 2.6#

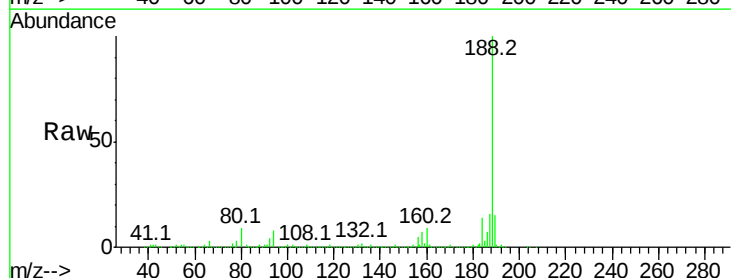


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

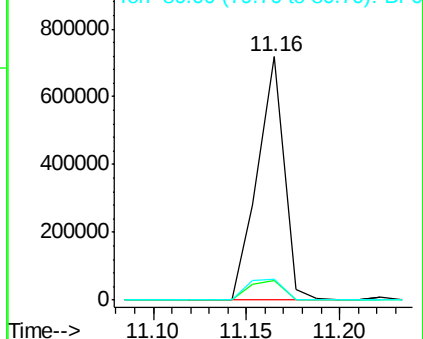
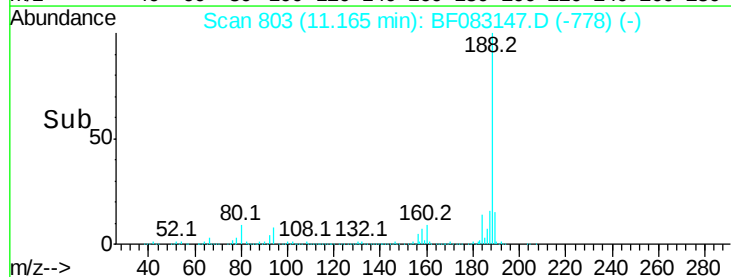


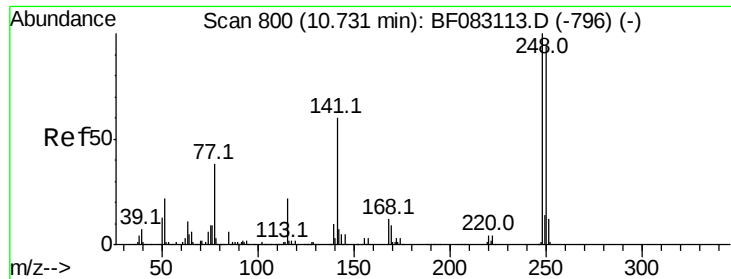
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF083147.D
 Acq: 22 Nov 2015 9:26

Tgt Ion:188 Resp: 712218
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.0 9.0
 80 8.6 6.7 10.1



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





#66

4-Bromophenyl-phenylether

Concen: 4.64 ng

RT: 10.48 min Scan# 743

Delta R.T. -0.25 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Instrument :

BNA_F

ClientSampleId :

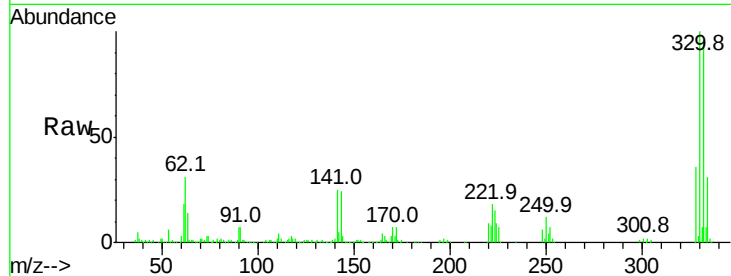
Tot Ion:248 Resp: 36632

Ion Ratio Lower Upper

248 100

250 194.3 75.4 113.2#

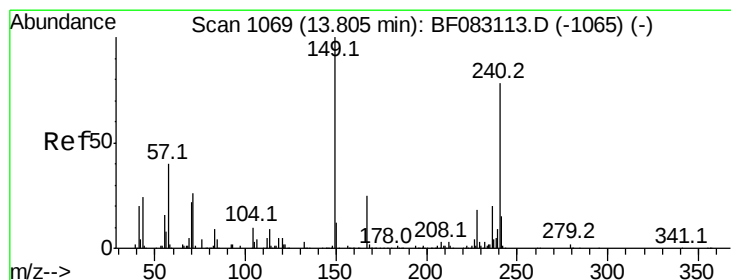
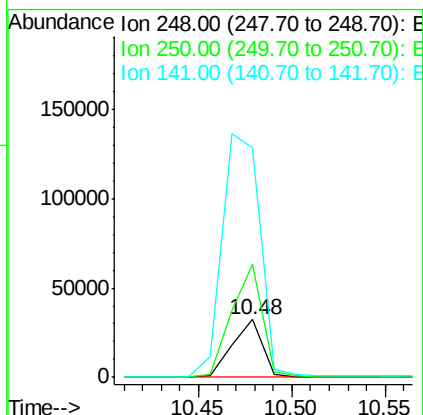
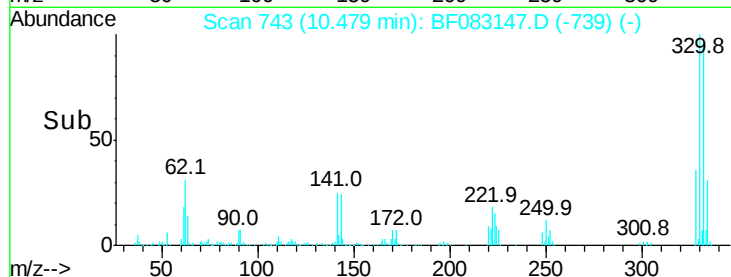
141 397.1 48.1 72.1#



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: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

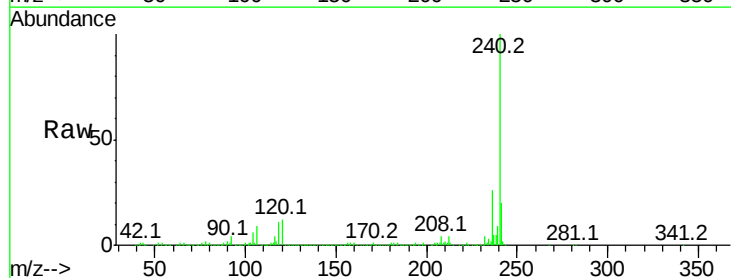
Tgt Ion:240 Resp: 621391

Ion Ratio Lower Upper

240 100

120 12.1 5.4 8.2#

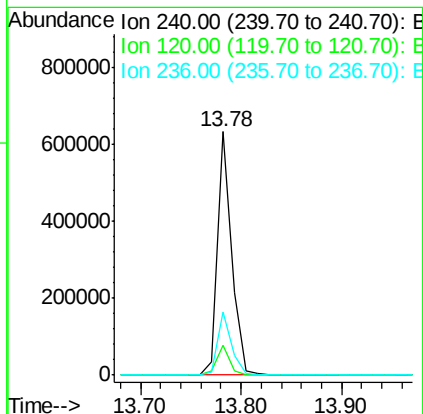
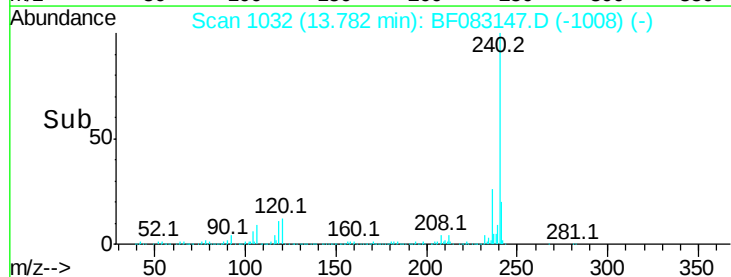
236 25.9 20.6 31.0

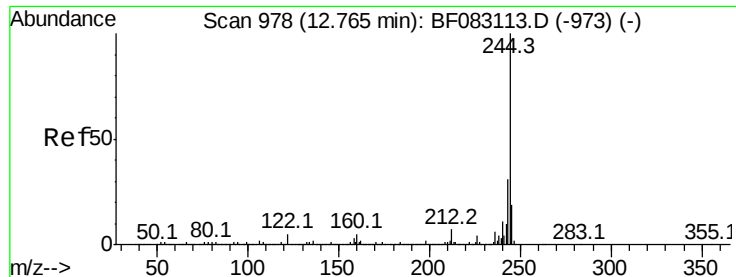


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.22 ng

RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

Instrument :

BNA_F

ClientSampleId :

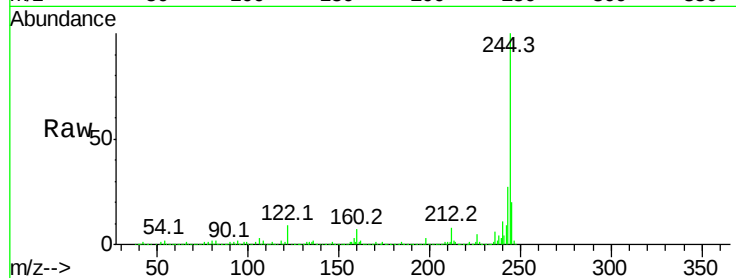
Tot Ion:244 Resp: 2090338

Ion Ratio Lower Upper

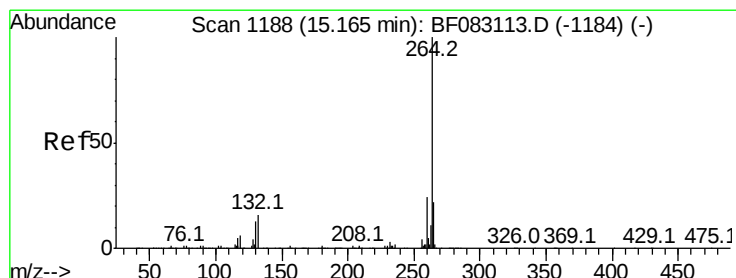
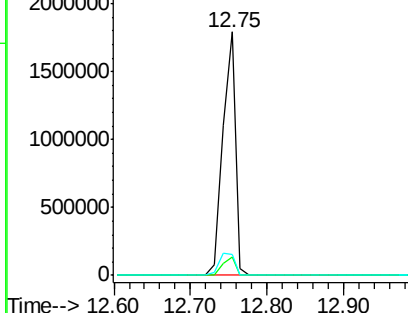
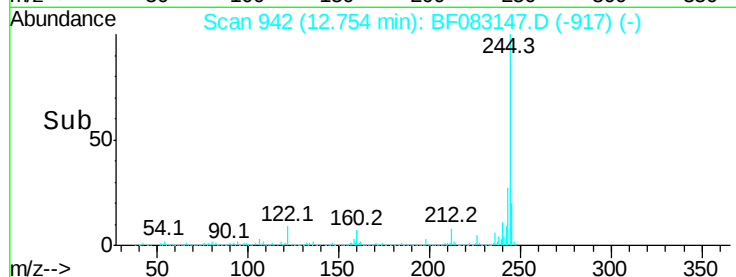
244 100

212 7.6 5.4 8.2

122 8.7 4.3 6.5#



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: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083147.D

Acq: 22 Nov 2015 9:26

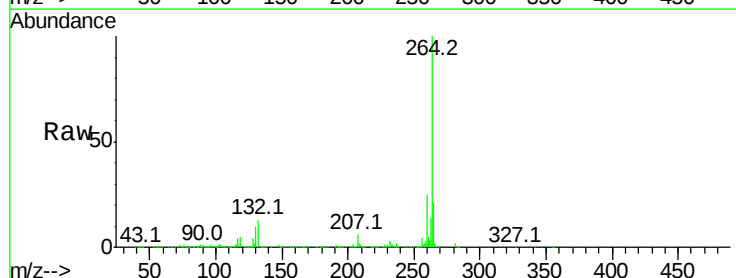
Tgt Ion:264 Resp: 515445

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 21.4 18.2 27.4



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

