

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096837.D
 Acq On : 18 Jul 2017 10:15
 Operator : SJ/JU
 Sample : I4203-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-2017-07-13

Quant Time: Jul 18 12:15:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 11:39:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	105896	20.00	ng	-0.04
21) Naphthalene-d8	7.88	136	454146	20.00	ng	-0.04
38) Acenaphthene-d10	9.63	164	232440	20.00	ng	-0.04
63) Phenanthrene-d10	11.10	188	406678	20.00	ng	-0.04
75) Chrysene-d12	13.73	240	310235	20.00	ng	-0.05
86) Perylene-d12	15.10	264	221429	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	389118	55.25	ng	-0.03
7) Phenol-d6	6.25	99	295460	34.96	ng	-0.04
23) Nitrobenzene-d5	7.16	82	616020	84.02	ng	-0.04
41) 2,4,6-Tribromophenol	10.42	330	232252	117.06	ng	-0.04
44) 2-Fluorobiphenyl	8.96	172	1195384	81.25	ng	-0.04
78) Terphenyl-d14	12.69	244	1051577	58.78	ng	-0.04

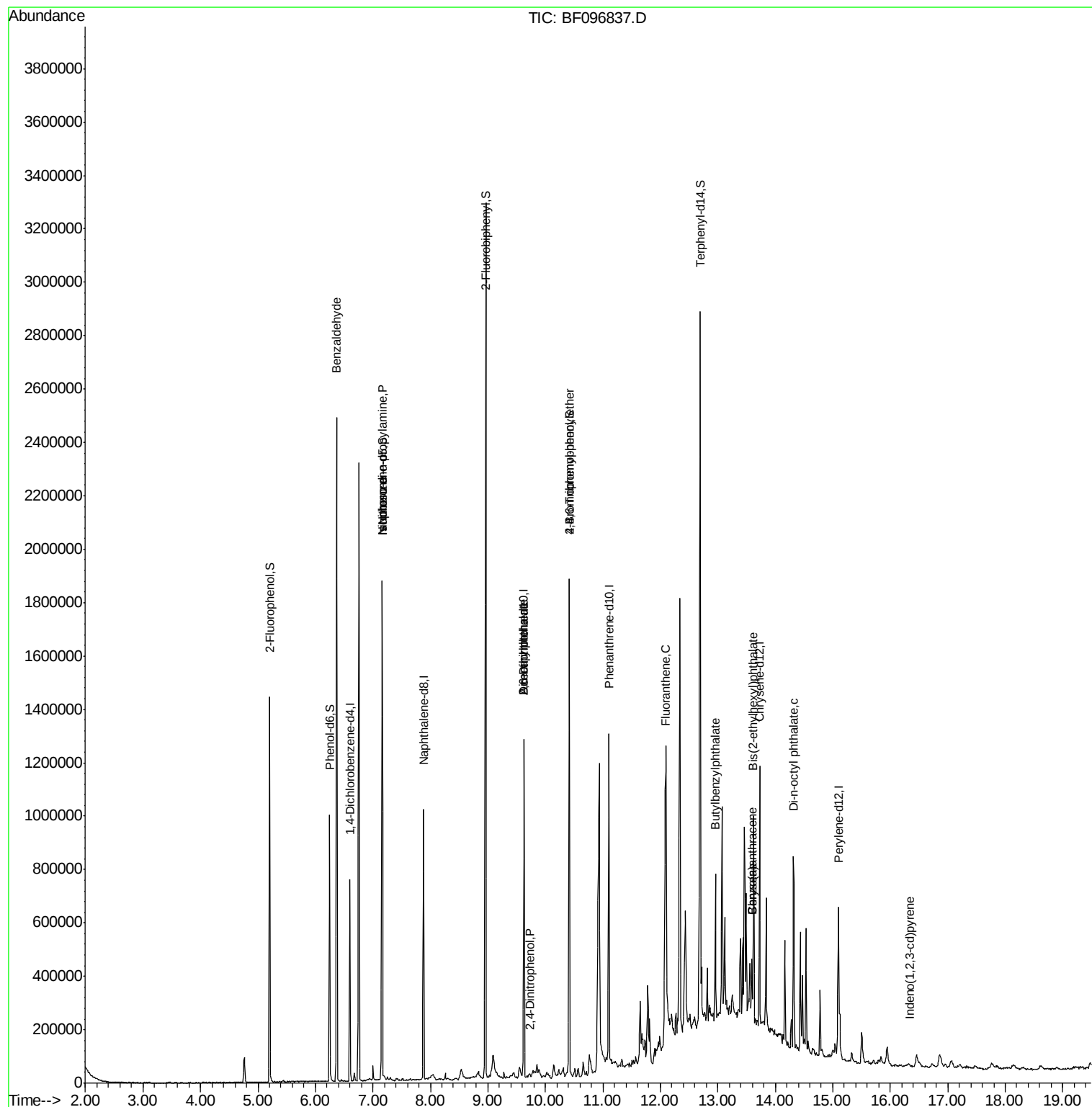
Target Compounds				Qvalue		
9) Benzaldehyde	6.37	77	13499	2.763	ng	81
19) n-Nitroso-di-n-propylamine	7.16	70	83942	16.486	ng	# 88
25) Isophorone	7.16	82	571205	41.879	ng	# 67
49) Dimethylphthalate	9.63	163	69722	3.984	ng	# 1
50) 2,6-Dinitrotoluene	9.63	165	30309	7.995	ng	# 34
53) 2,4-Dinitrophenol	9.74	184	545	7.007	ng	# 4
66) 4-Bromophenyl-phenylether	10.42	248	14914	3.592	ng	# 1
74) Fluoranthene	12.09	202	81444	3.848	ng	84
79) Butylbenzylphthalate	12.96	149	117878	8.812	ng	# 81
80) Benzo(a)anthracene	13.59	228	77507	4.010	ng	98
82) Chrysene	13.59	228	77507	4.073	ng	98
83) Bis(2-ethylhexyl)phthalate	13.62	149	212087	13.018	ng	99
84) Di-n-octyl phthalate	14.32	149	63661	2.364	ng	# 37
85) Indeno(1,2,3-cd)pyrene	16.34	276	115	3.334	ng	# 1

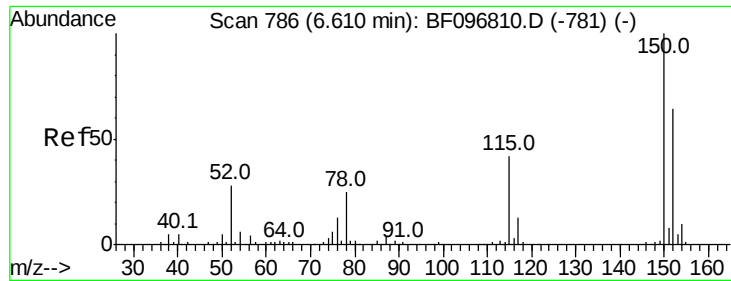
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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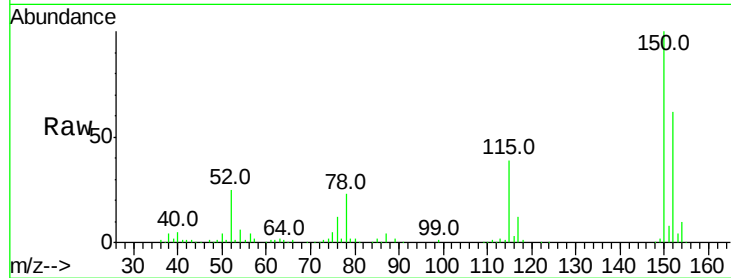


#1

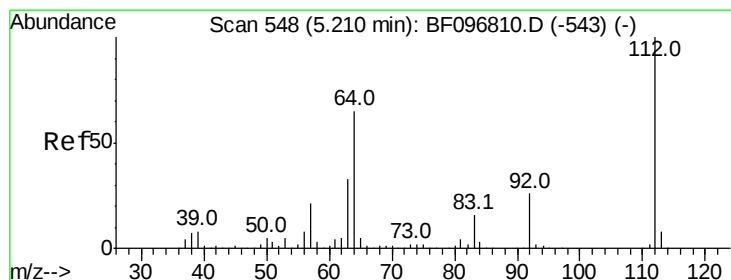
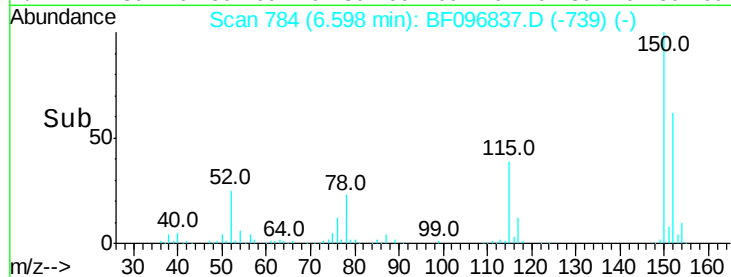
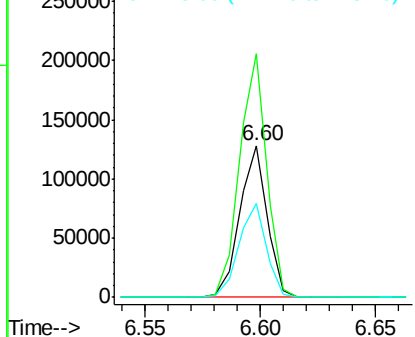
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Instrument :
BNA_F
ClientSampleId :
EB-2017-07-13

Tot Ion:152 Resp: 105896
Ion Ratio Lower Upper
152 100
150 160.2 126.2 189.2
115 62.0 52.2 78.2



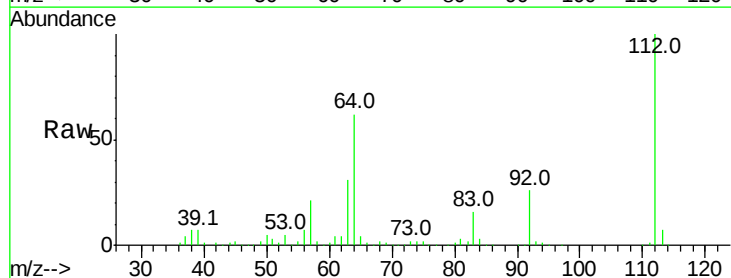
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



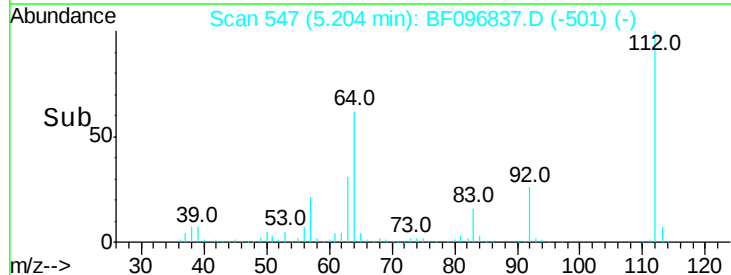
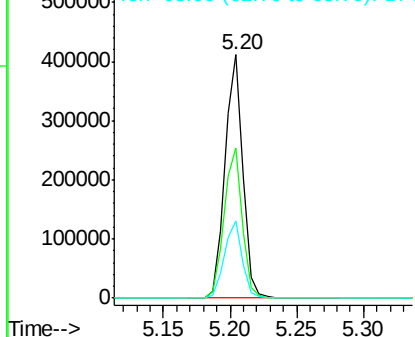
#5

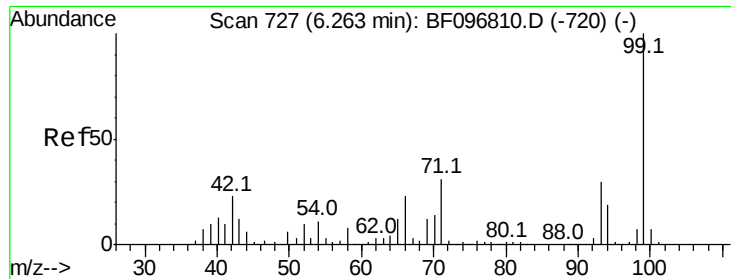
2-Fluorophenol
Concen: 55.250 ng
RT: 5.20 min Scan# 547
Delta R.T. -0.03 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Tgt Ion:112 Resp: 389118
Ion Ratio Lower Upper
112 100
64 61.8 46.0 69.0
63 31.5 23.4 35.0



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: 34.959 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.04 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

Instrument :

BNA_F

ClientSampleId :

EB-2017-07-13

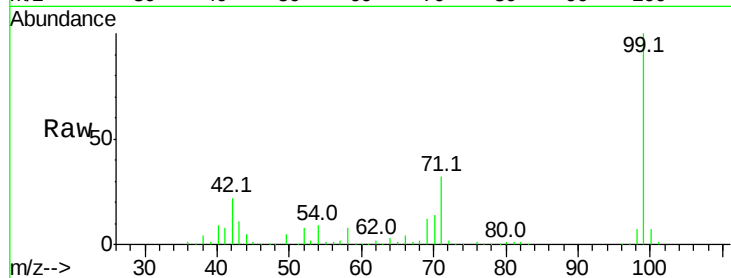
Tot Ion: 99 Resp: 295460

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

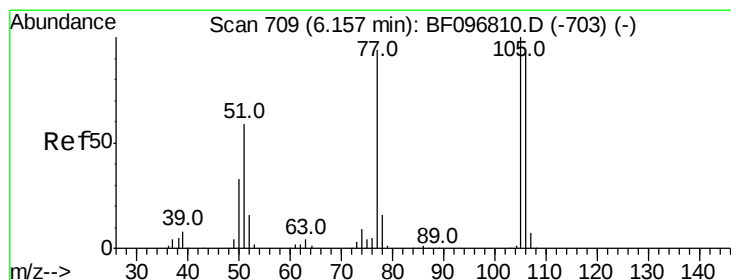
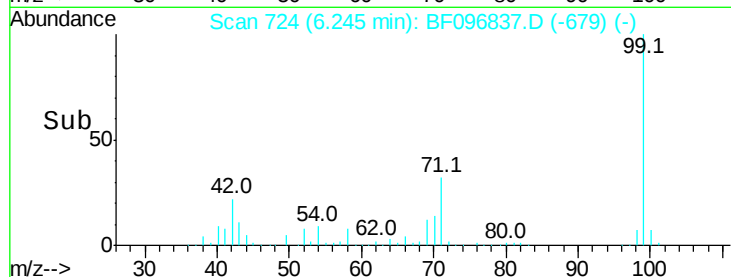
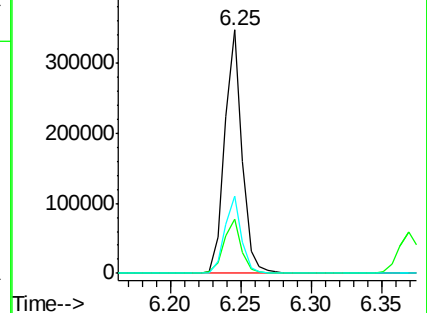
71 31.5 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.763 ng

RT: 6.37 min Scan# 745

Delta R.T. 0.19 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

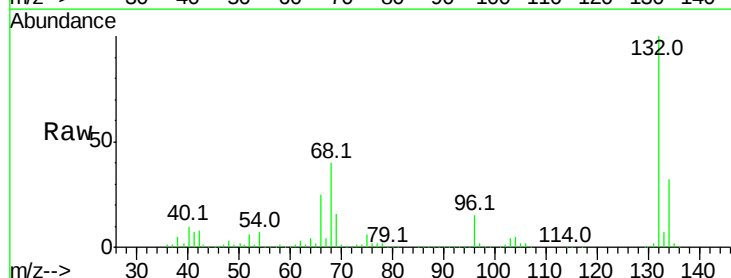
Tgt Ion: 77 Resp: 13499

Ion Ratio Lower Upper

77 100

105 85.7 83.8 123.8

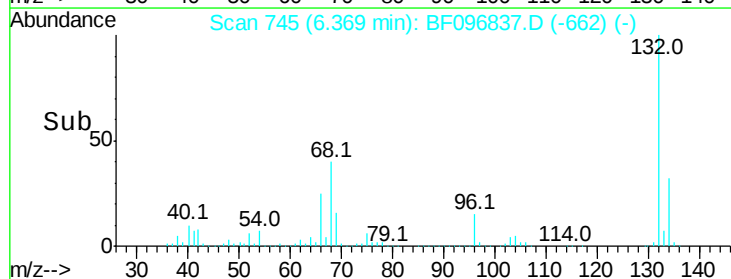
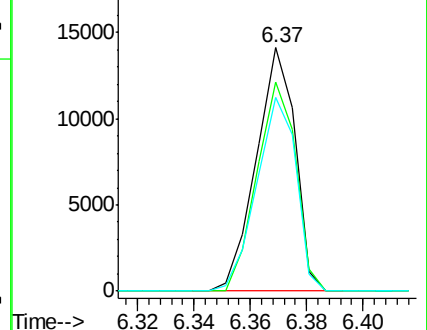
106 79.3 79.1 119.1

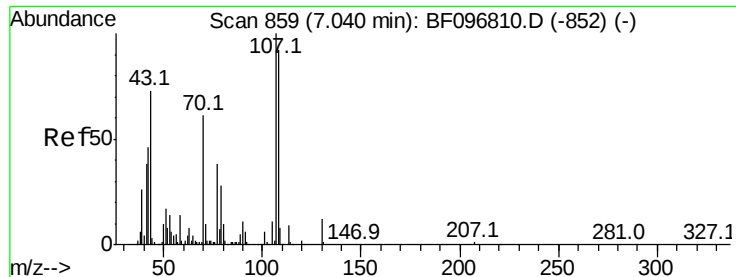


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

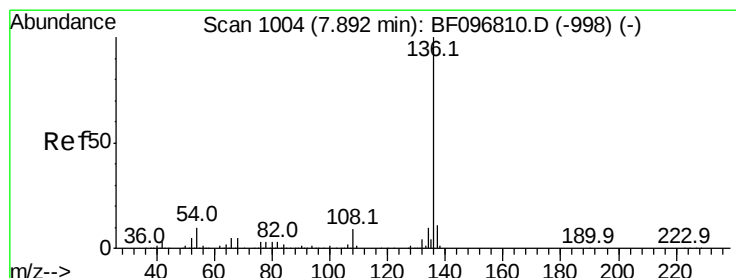
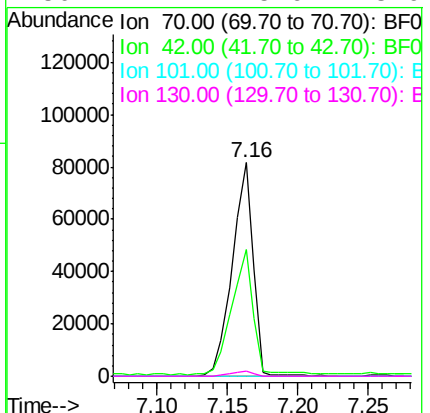
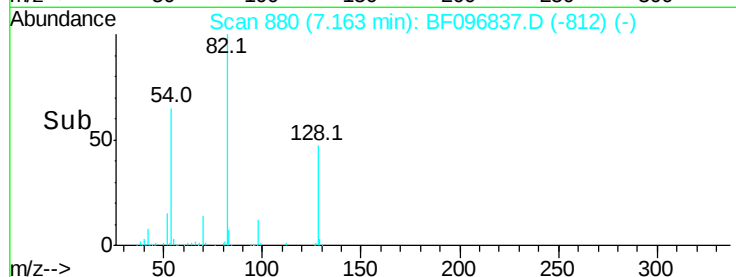
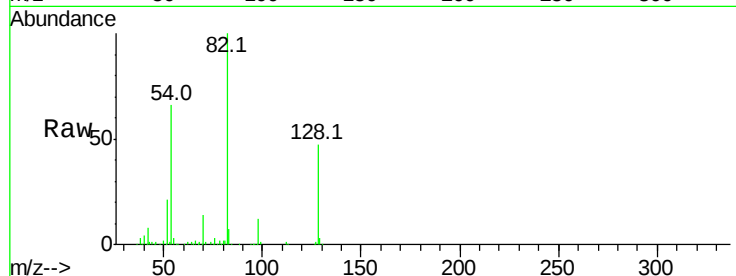




#19
n-Nitroso-di-n-propylamine
Concen: 16.486 ng
RT: 7.16 min Scan# 880
Delta R.T. 0.10 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

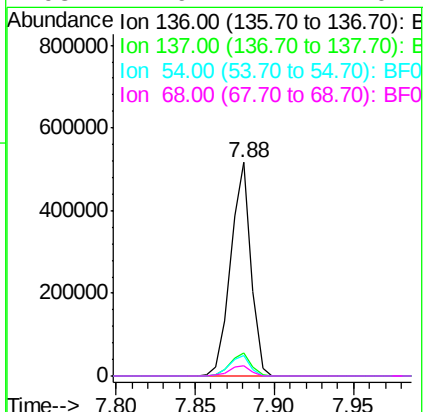
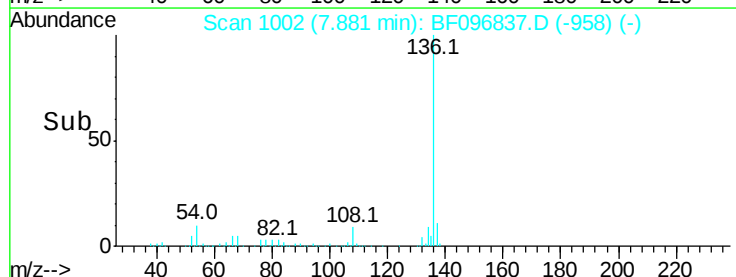
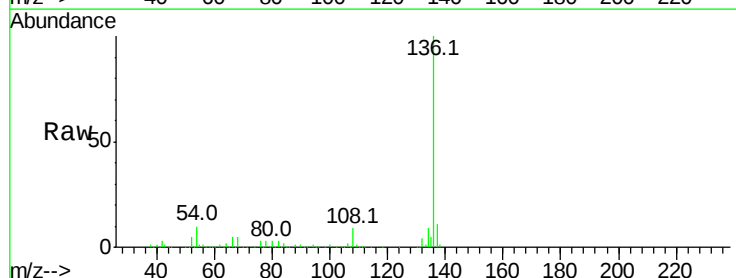
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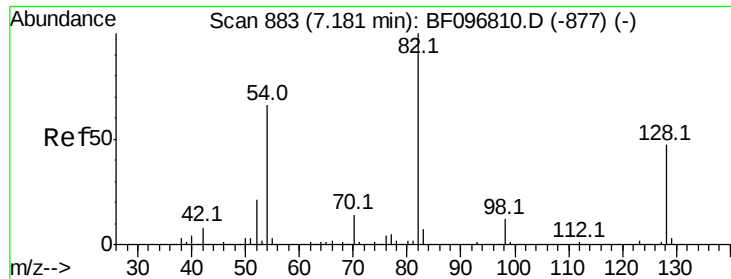
Tot Ion: 70 Resp: 83942
Ion Ratio Lower Upper
70 100
42 59.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1002
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Tgt Ion:136 Resp: 454146
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 9.5 4.9 7.3#
68 4.6 4.1 6.1

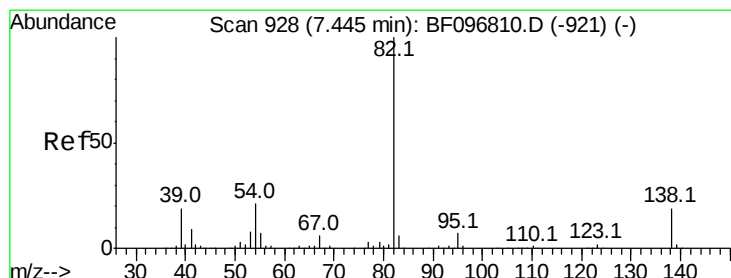
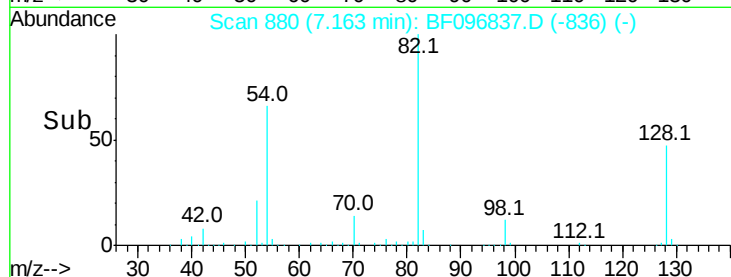
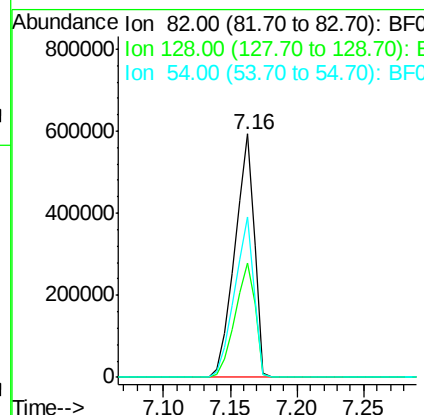
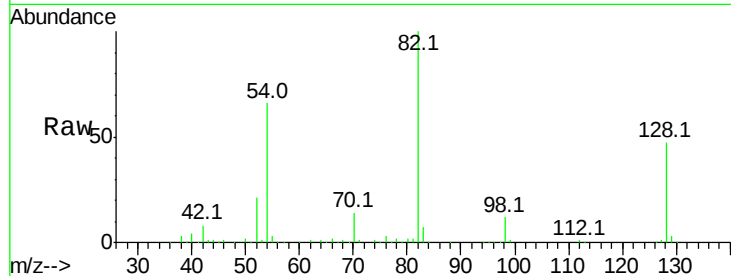




#23
 Nitrobenzene-d5
 Concen: 84.019 ng
 RT: 7.16 min Scan# 880
 Delta R.T. -0.04 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

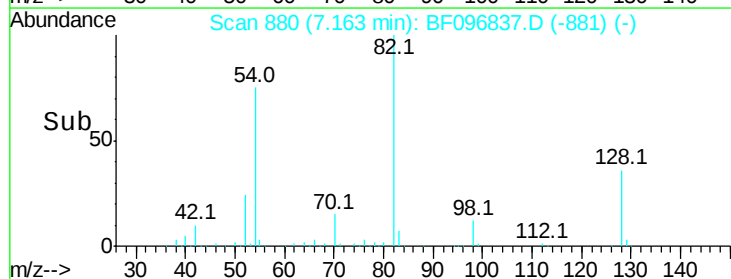
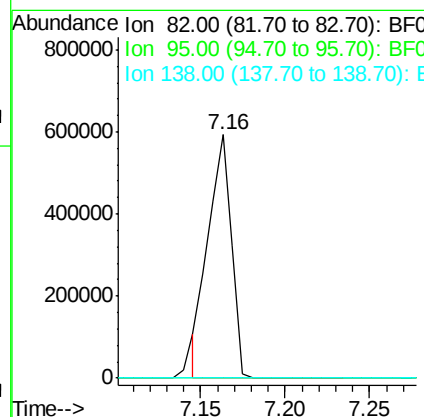
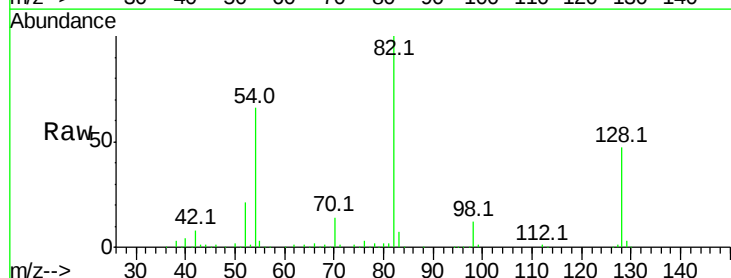
Instrument :
 BNA_F
 ClientSampleId :
 EB-2017-07-13

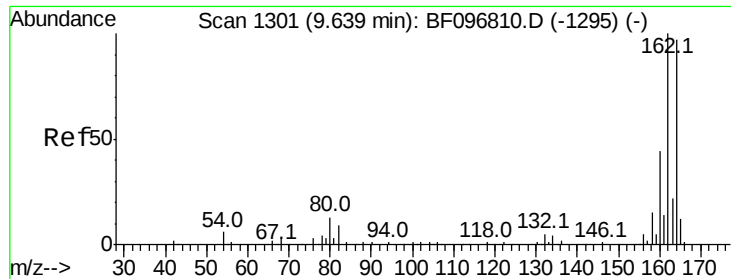
Tot Ion: 82 Resp: 616020
 Ion Ratio Lower Upper
 82 100
 128 47.0 34.0 51.0
 54 66.1 42.2 63.2#



#25
 Isophorone
 Concen: 41.879 ng
 RT: 7.16 min Scan# 880
 Delta R.T. -0.31 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

Tgt Ion: 82 Resp: 571205
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

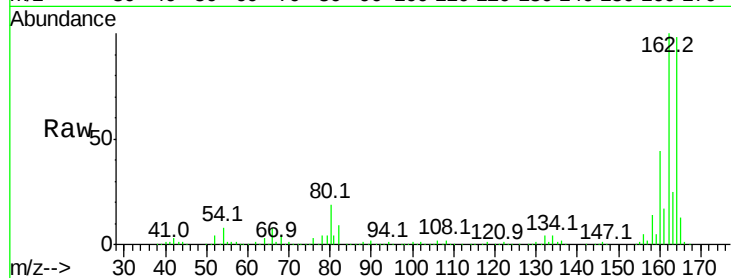




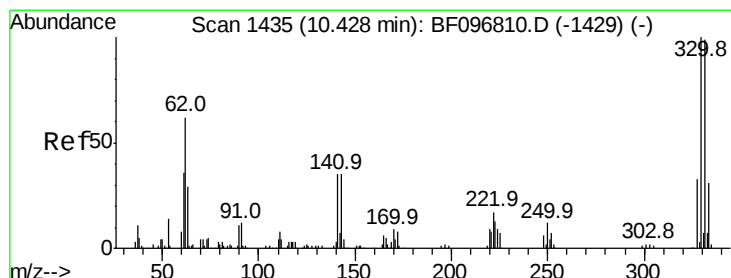
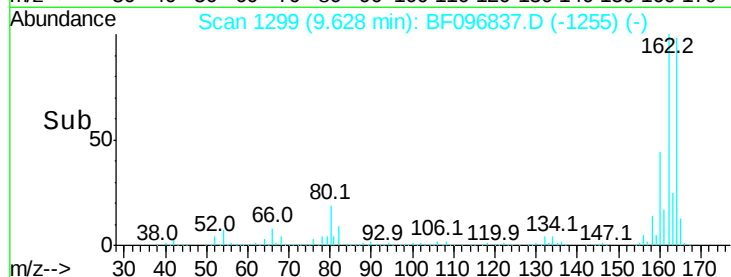
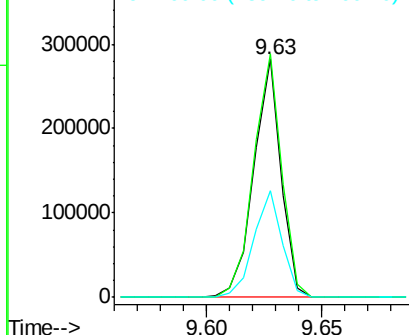
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Instrument :
BNA_F
ClientSampleId :
EB-2017-07-13

Tot Ion:164 Resp: 232440
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 44.7 36.2 54.2

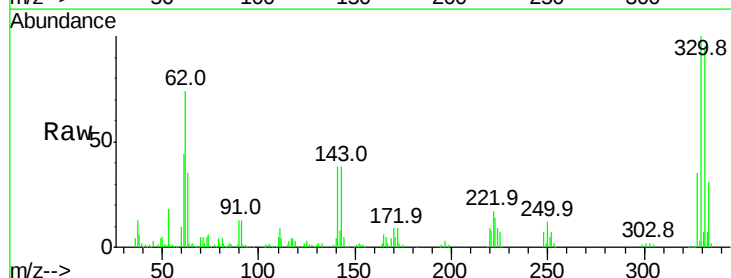


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

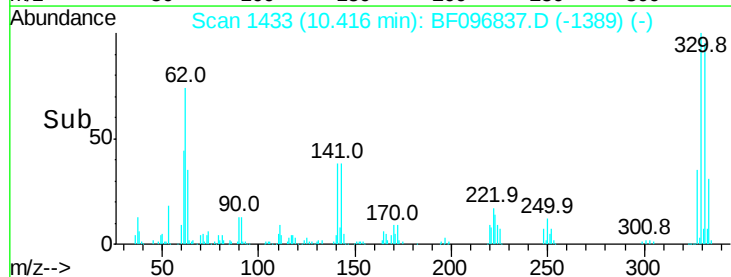
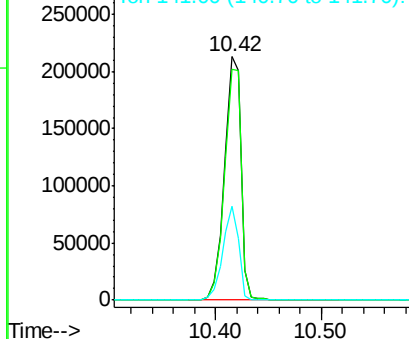


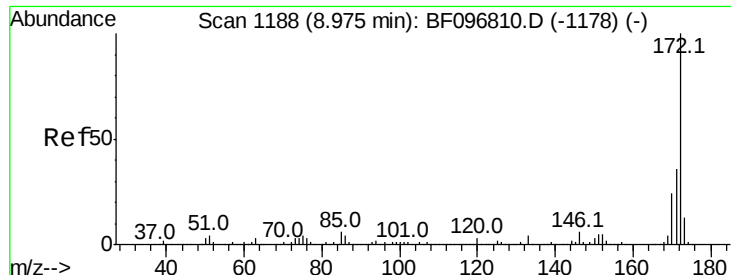
#41
2,4,6-Tribromophenol
Concen: 117.058 ng
RT: 10.42 min Scan# 1433
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Tgt Ion:330 Resp: 232252
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 36.9 31.4 47.2



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

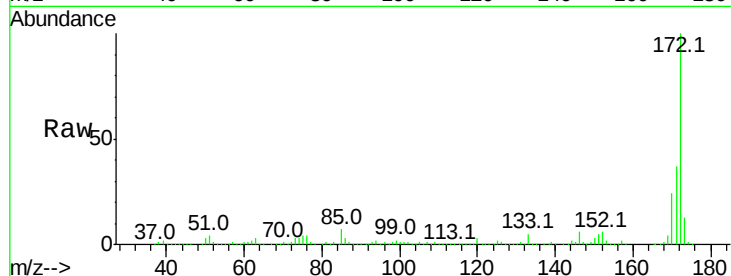




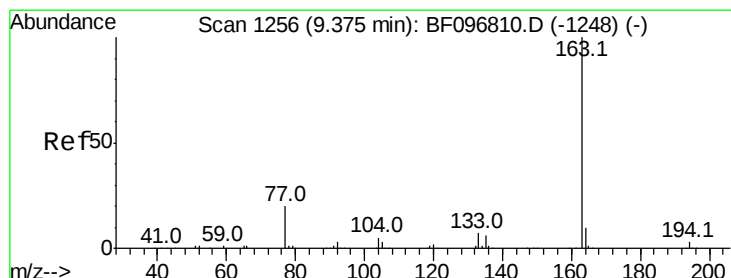
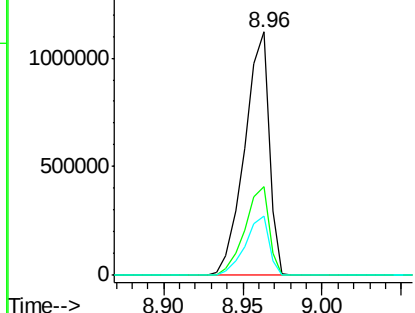
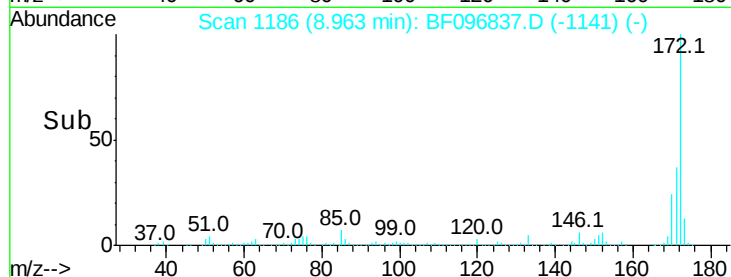
#44
2-Fluorobiphenyl
Concen: 81.252 ng
RT: 8.96 min Scan# 1186
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Instrument :
BNA_F
ClientSampleId :
EB-2017-07-13

Tot Ion:172 Resp: 1195384
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.3 19.8 29.8

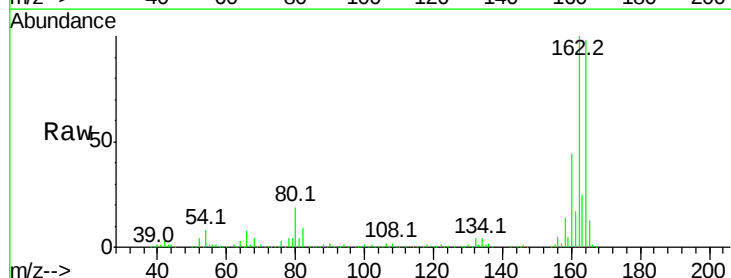


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

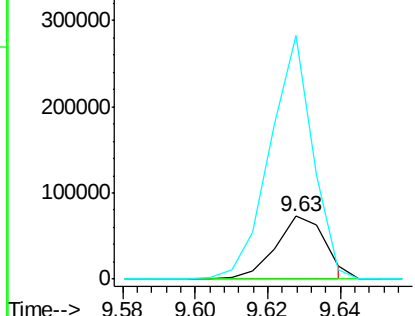
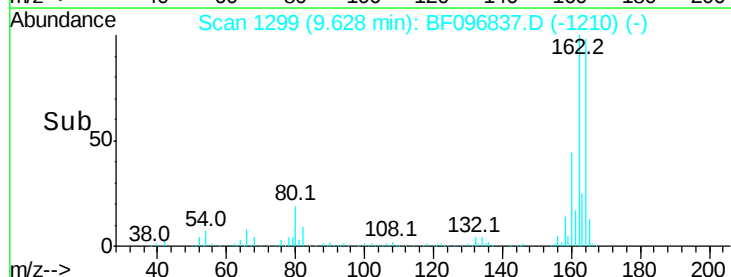


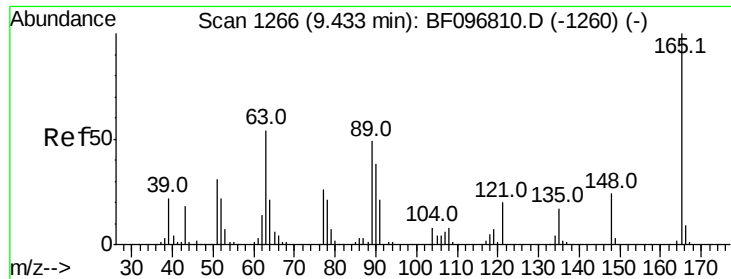
#49
Dimethylphthalate
Concen: 3.984 ng
RT: 9.63 min Scan# 1299
Delta R.T. 0.22 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Tgt Ion:163 Resp: 69722
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 386.9 8.4 12.6#



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

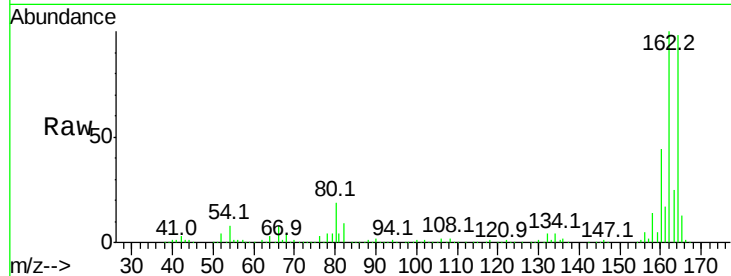




#50
 2,6-Dinitrotoluene
 Concen: 7.995 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. 0.17 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

Instrument :
 BNA_F
 ClientSampleId :
 EB-2017-07-13

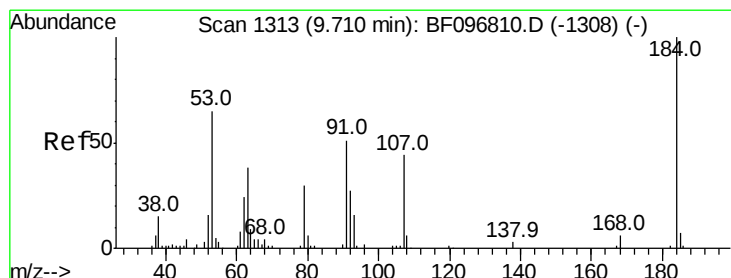
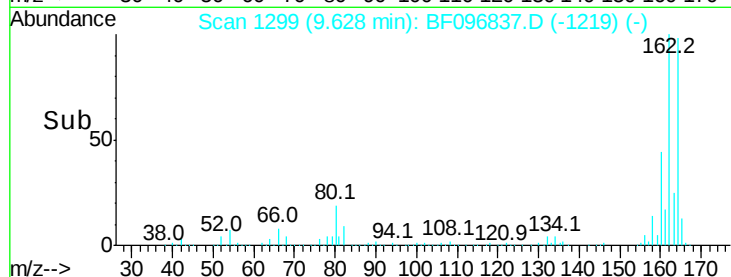
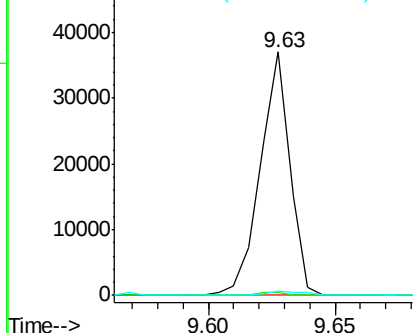
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	2.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

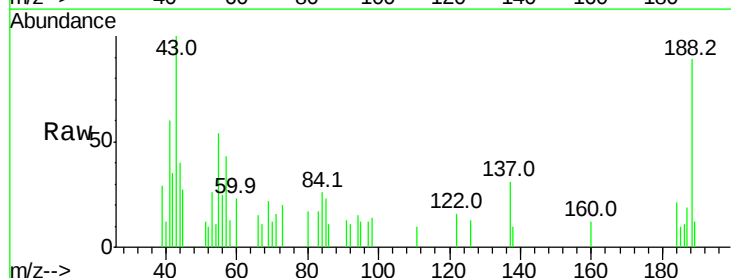
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#53
 2,4-Dinitrophenol
 Concen: 7.007 ng
 RT: 9.74 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

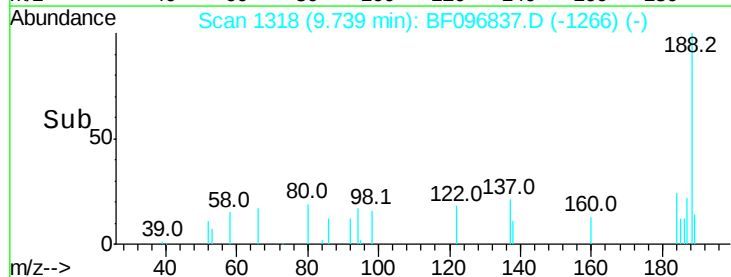
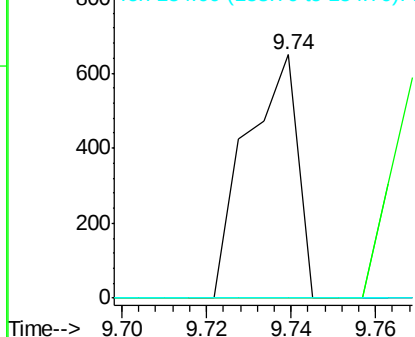
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.7	94.1#
154	0.0	81.1	121.7#

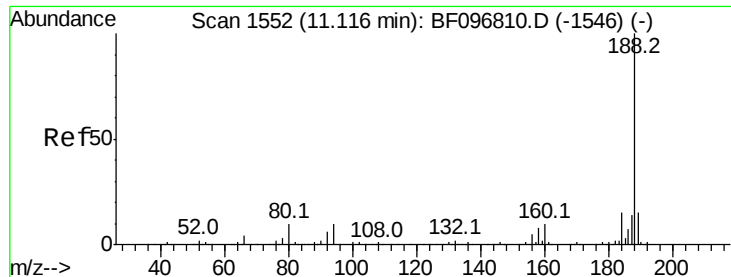


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

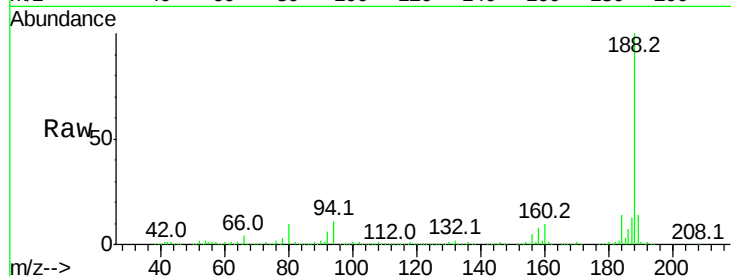




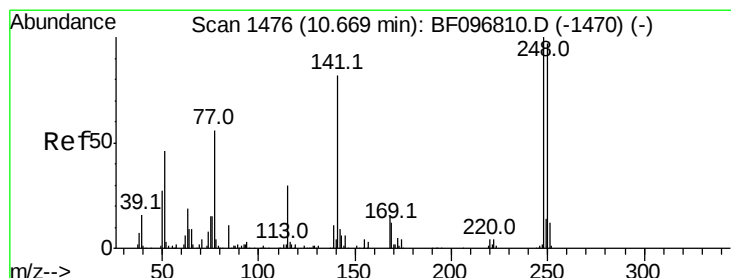
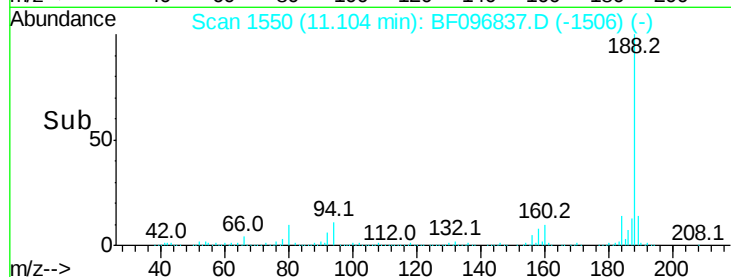
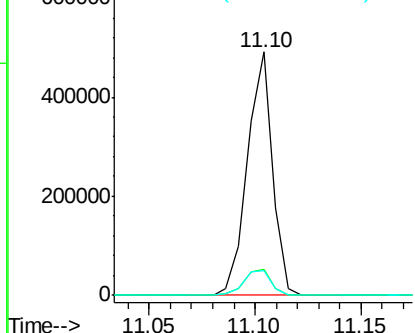
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1550
Delta R.T. -0.04 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Instrument :
BNA_F
ClientSampleId :
EB-2017-07-13

Tot Ion:188 Resp: 406678
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.3 10.2 15.2

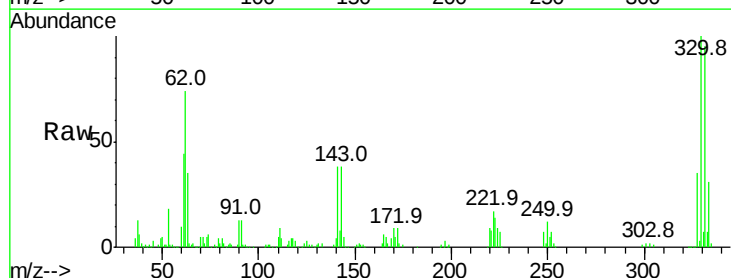


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

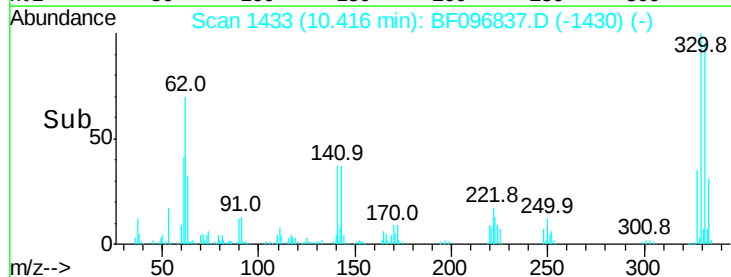
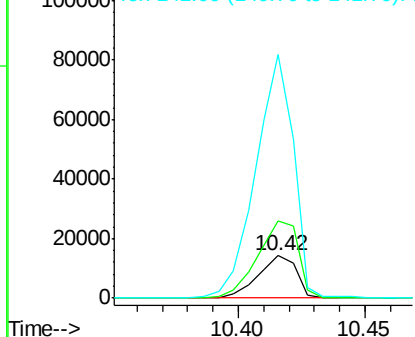


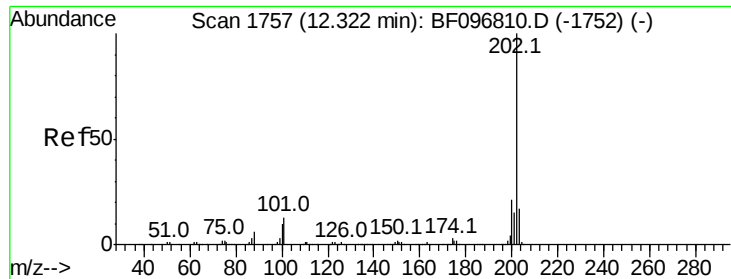
#66
4-Bromophenyl-phenylether
Concen: 3.592 ng
RT: 10.42 min Scan# 1433
Delta R.T. -0.28 min
Lab File: BF096837.D
Acq: 18 Jul 2017 10:15

Tgt Ion:248 Resp: 14914
Ion Ratio Lower Upper
248 100
250 181.0 76.8 115.2#
141 575.0 68.6 103.0#



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





#74

Fluoranthene

Concen: 3.848 ng

RT: 12.09 min Scan# 1717

Delta R.T. -0.27 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

Instrument :

BNA_F

ClientSampleId :

EB-2017-07-13

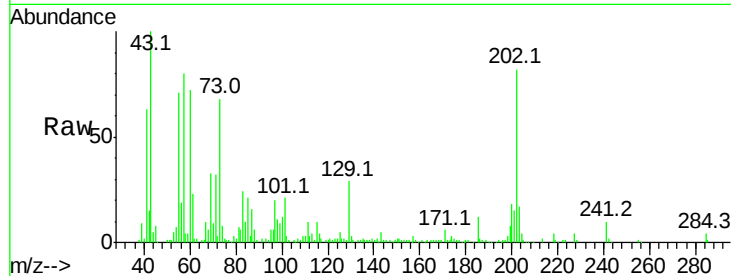
Tot Ion:202 Resp: 81444

Ion Ratio Lower Upper

202 100

101 25.3 0.0 33.2

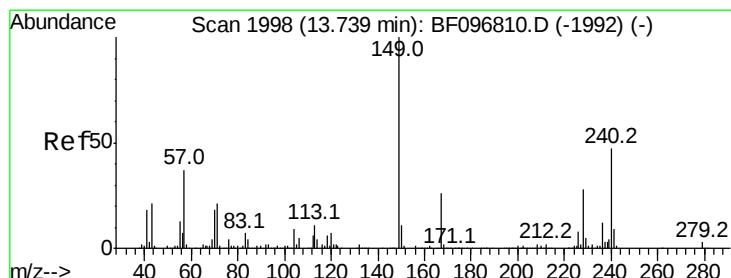
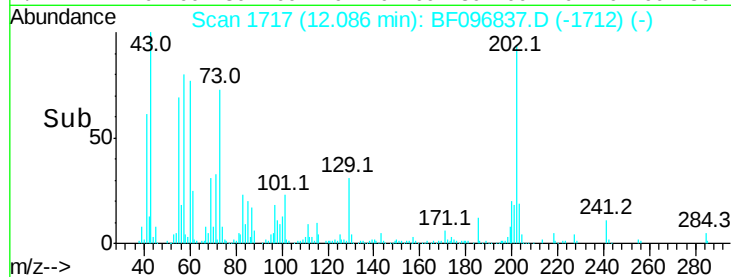
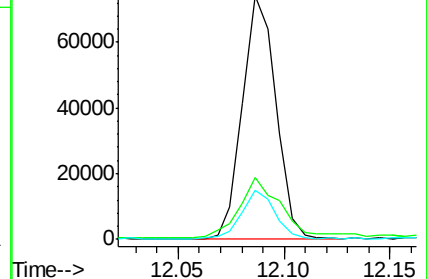
203 20.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.05 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

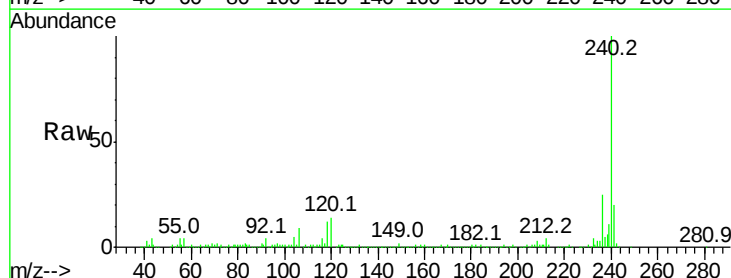
Tgt Ion:240 Resp: 310235

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

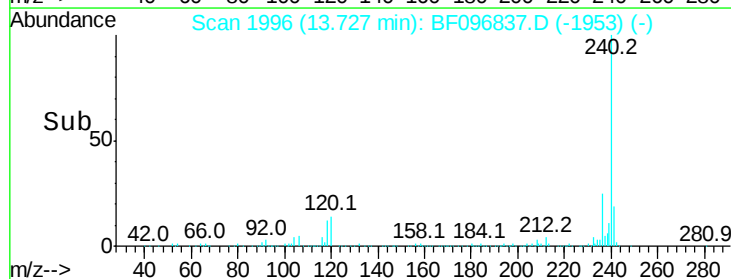
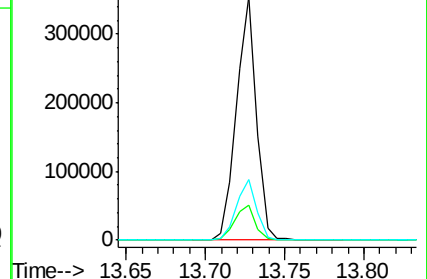
236 24.9 20.5 30.7

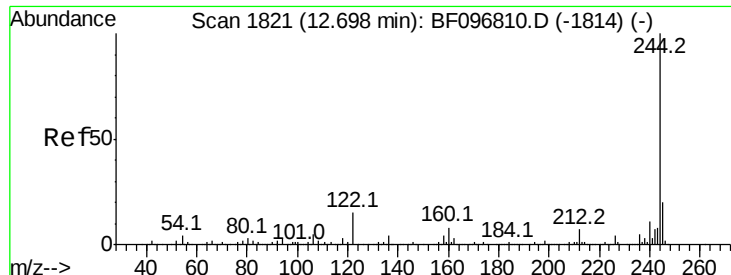


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.785 ng

RT: 12.69 min Scan# 1820

Delta R.T. -0.04 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

Instrument :

BNA_F

ClientSampleId :

EB-2017-07-13

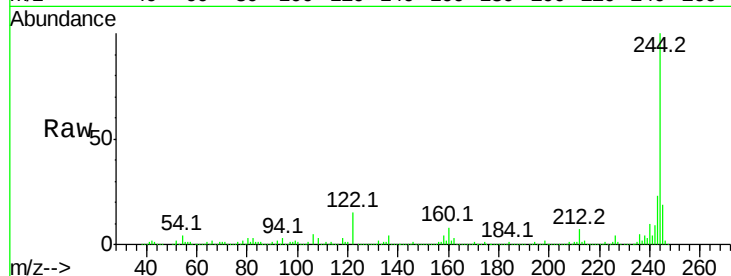
Tot Ion:244 Resp: 1051577

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

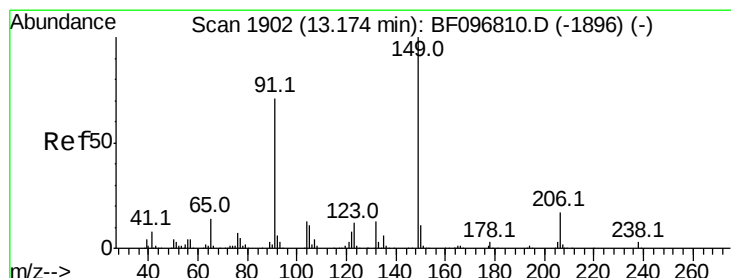
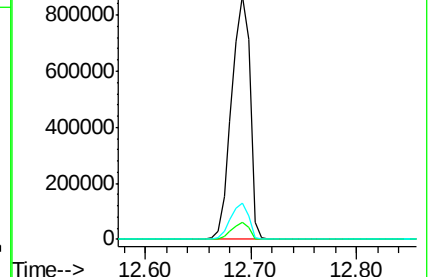
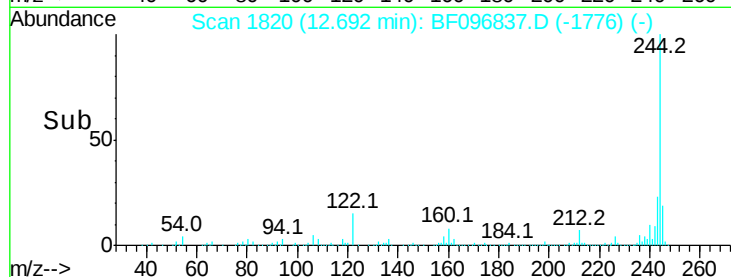
122 14.8 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 8.812 ng

RT: 12.96 min Scan# 1865

Delta R.T. -0.25 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

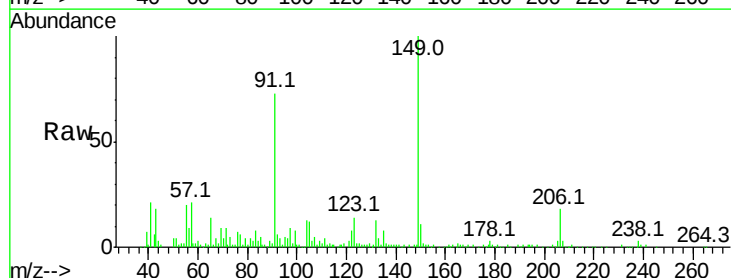
Tgt Ion:149 Resp: 117878

Ion Ratio Lower Upper

149 100

91 72.8 45.0 67.4#

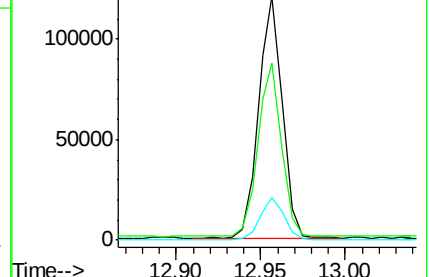
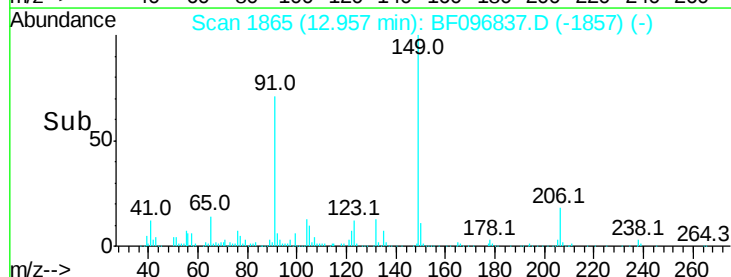
206 17.7 17.0 25.6

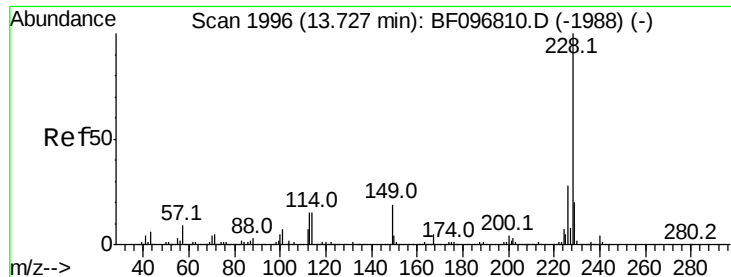


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 4.010 ng

RT: 13.59 min Scan# 1973

Delta R.T. -0.17 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

Instrument :

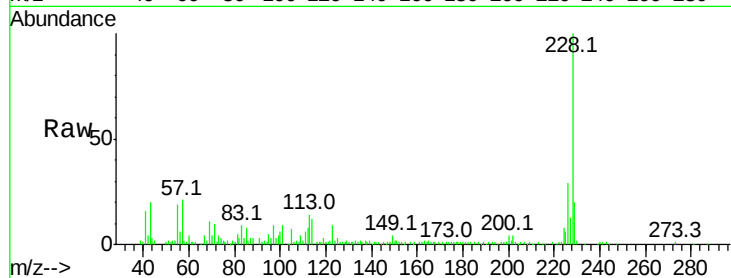
BNA_F

ClientSampleId :

EB-2017-07-13

Tot Ion:228 Resp: 77507

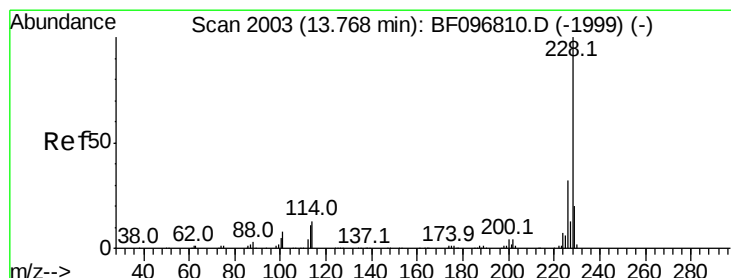
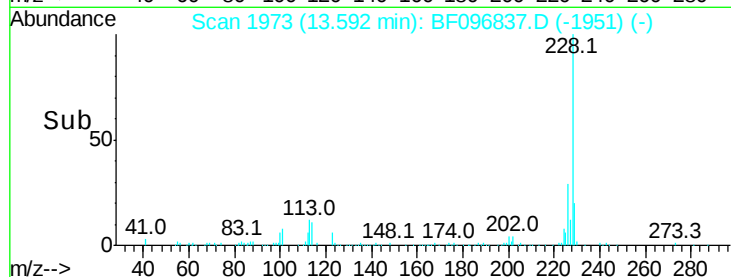
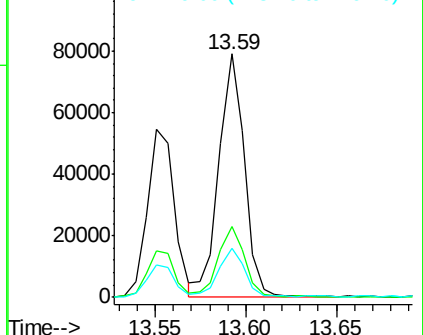
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	19.9	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.073 ng

RT: 13.59 min Scan# 1973

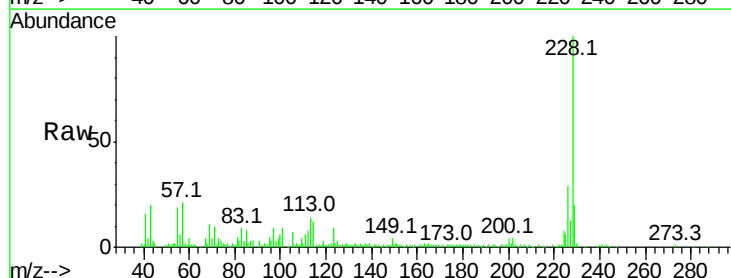
Delta R.T. -0.21 min

Lab File: BF096837.D

Acq: 18 Jul 2017 10:15

Tgt Ion:228 Resp: 77507

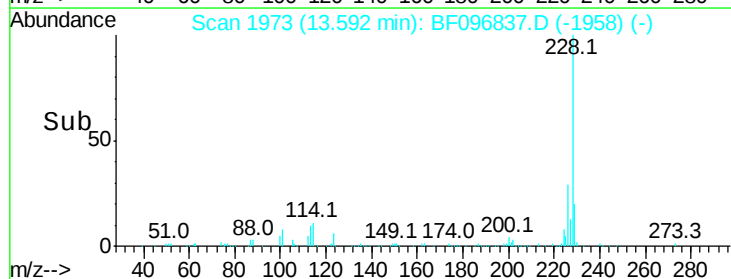
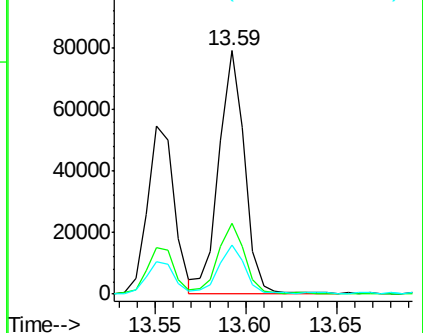
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	19.9	15.8	23.6

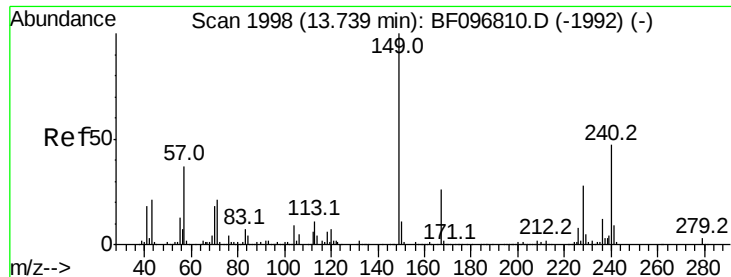


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

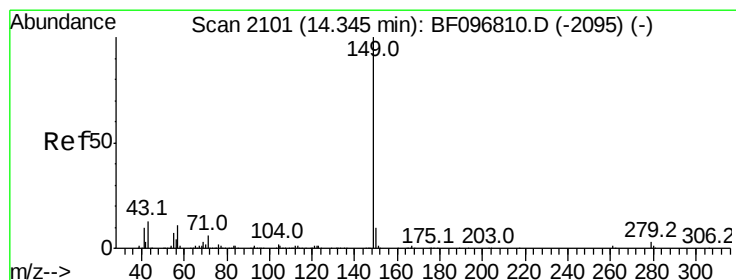
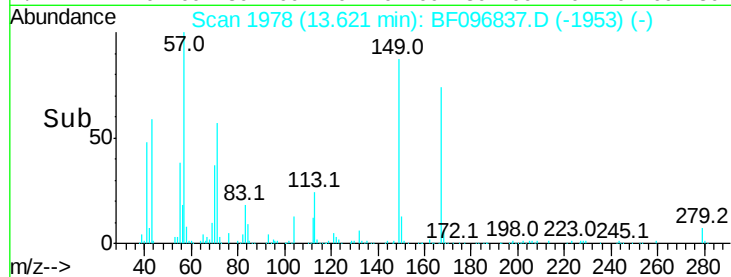
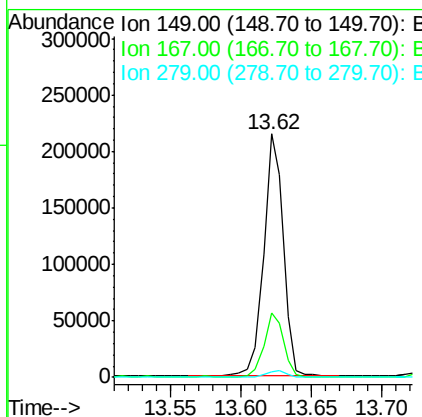
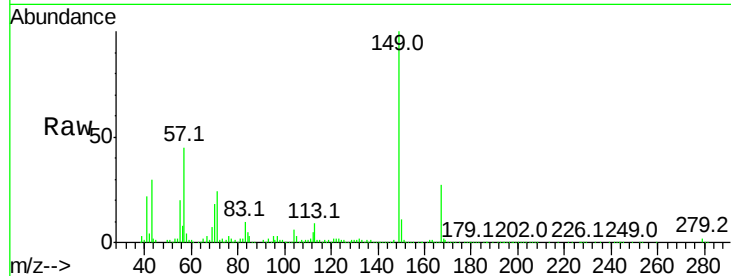




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.018 ng
 RT: 13.62 min Scan# 1978
 Delta R.T. -0.15 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

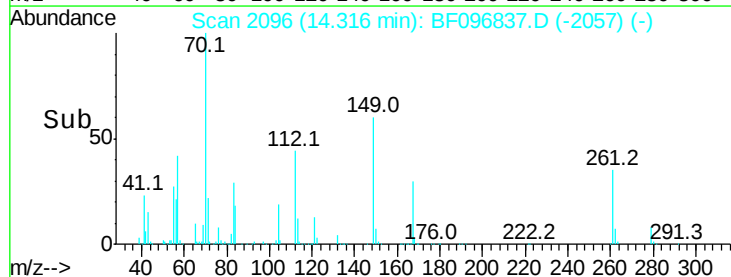
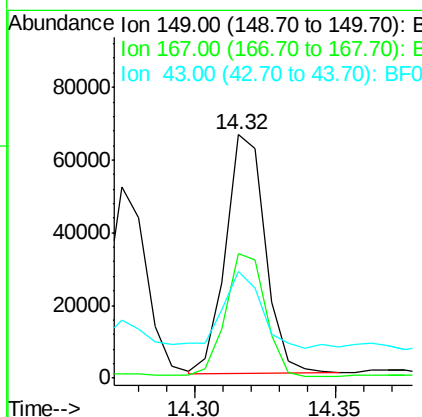
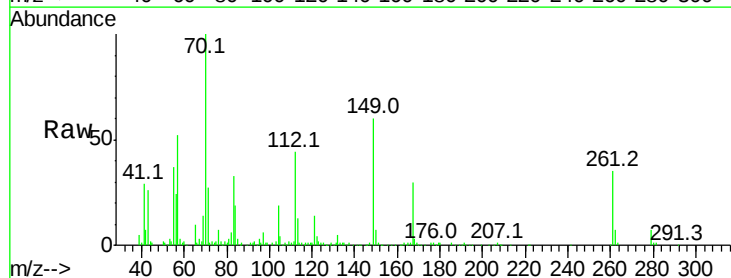
Instrument :
 BNA_F
 ClientSampleId :
 EB-2017-07-13

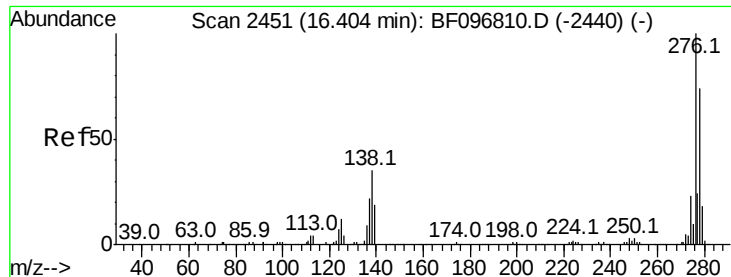
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.4
279	2.5	1.9	2.9



#84
 Di-n-octyl phthalate
 Concen: 2.364 ng
 RT: 14.32 min Scan# 2096
 Delta R.T. -0.07 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	51.2	1.2	1.8#
43	30.9	8.5	12.7#

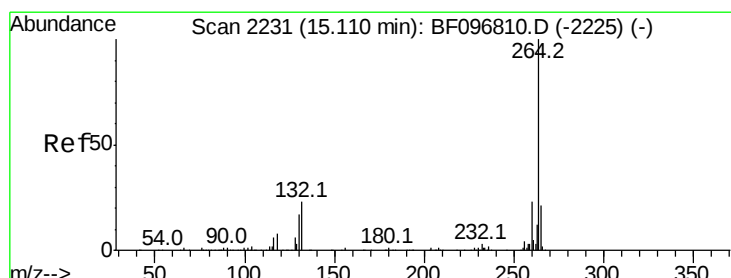
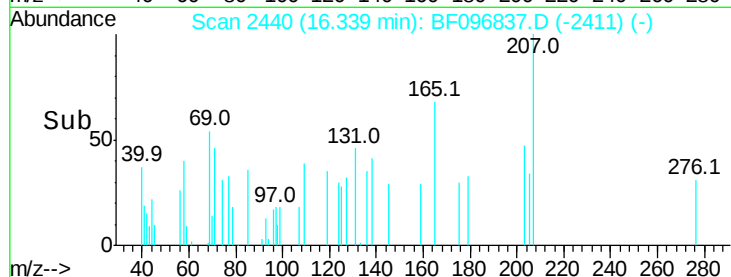
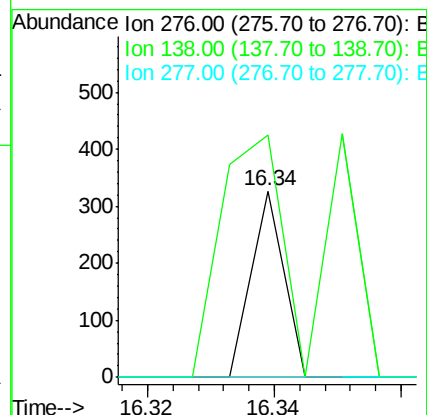
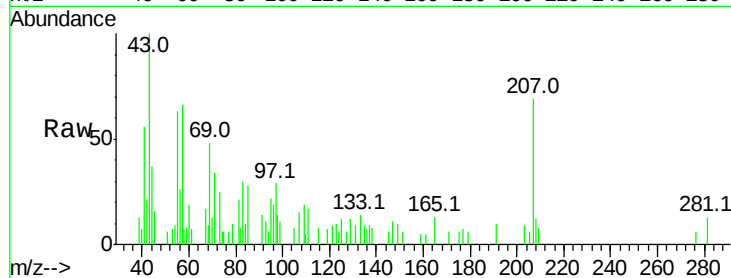




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.334 ng
 RT: 16.34 min Scan# 2440
 Delta R.T. -0.13 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

Instrument :
 BNA_F
 ClientSampleId :
 EB-2017-07-13

Tot Ion:276 Resp: 115
 Ion Ratio Lower Upper
 276 100
 138 375.7 27.8 41.6#
 277 0.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.10 min Scan# 2229
 Delta R.T. -0.06 min
 Lab File: BF096837.D
 Acq: 18 Jul 2017 10:15

Tgt Ion:264 Resp: 221429
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 22.4 17.2 25.8

