

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113833.D
 Acq On : 18 Apr 2019 22:57
 Operator : JU/SJ
 Sample : K2434-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:09:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	159044	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	552818	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	238130	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	424117	20.00	ng	0.00
76) Chrysene-d12	14.04	240	463290	20.00	ng	0.00
87) Perylene-d12	15.52	264	497483	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	882432	92.26	ng	0.00
7) Phenol-d6	6.52	99	1143936	95.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	675361	74.40	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	231302	87.92	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1175878	75.31	ng	0.00
79) Terphenyl-d14	12.99	244	1272562	57.60	ng	0.00

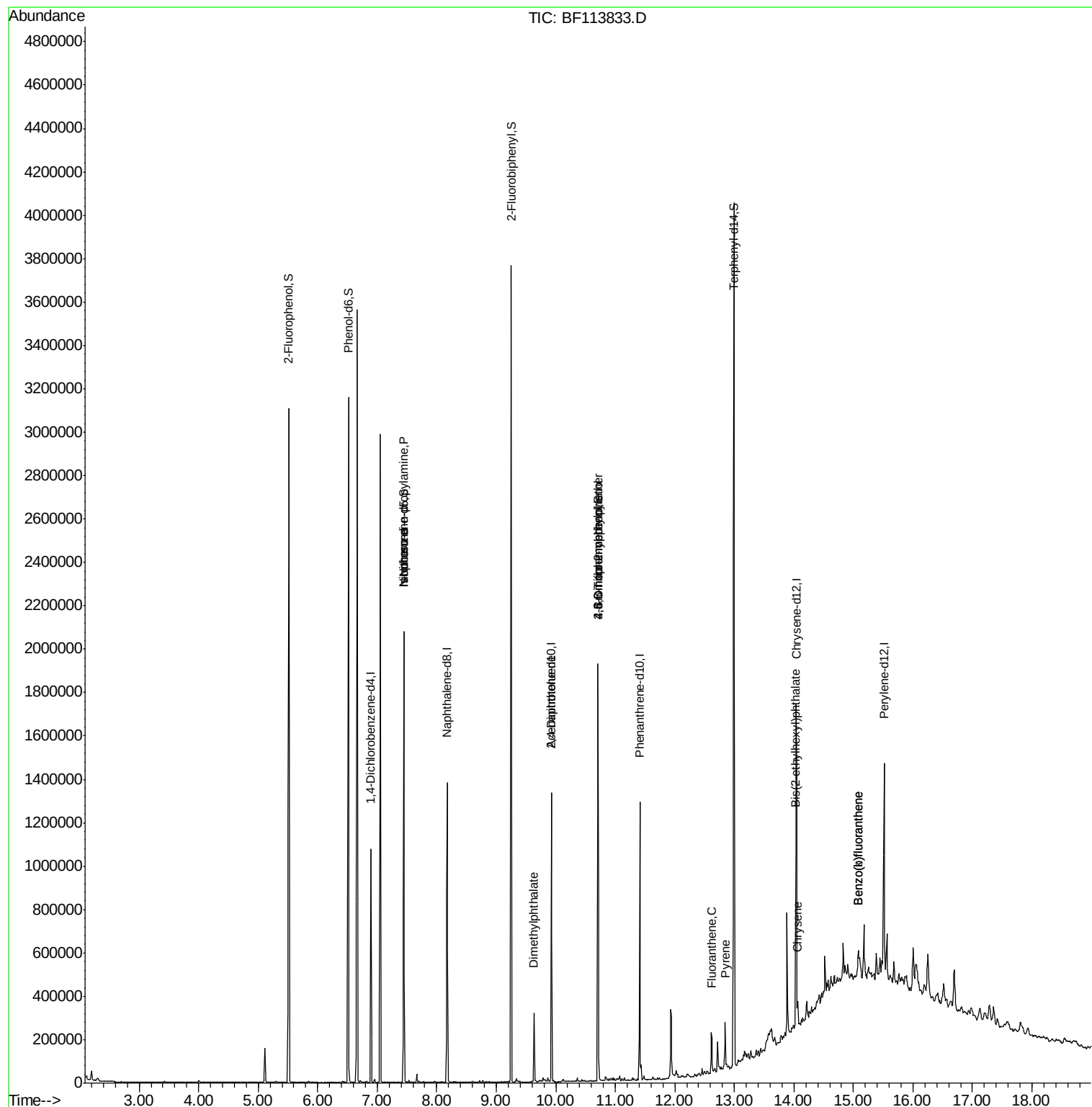
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	2160	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	91811	11.531 ng	#	78
25) Isophorone	7.45	82	675347	35.931 ng	#	65
50) Dimethylphthalate	9.64	163	132314	7.940 ng		97
57) 2,4-Dinitrotoluene	9.93	165	30806	6.751 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.71	198	345	7.096 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	14222	2.856 ng	#	1
75) Fluoranthene	12.62	202	71379	3.118 ng		99
78) Pyrene	12.84	202	80061	2.452 ng		98
83) Chrysene	14.07	228	60540	2.252 ng		98
84) Bis(2-ethylhexyl)phthalate	14.03	149	36400	2.516 ng		99
88) Benzo(b)fluoranthene	15.08	252	102973	3.320 ng	#	84
89) Benzo(k)fluoranthene	15.08	252	102973	3.645 ng	#	85

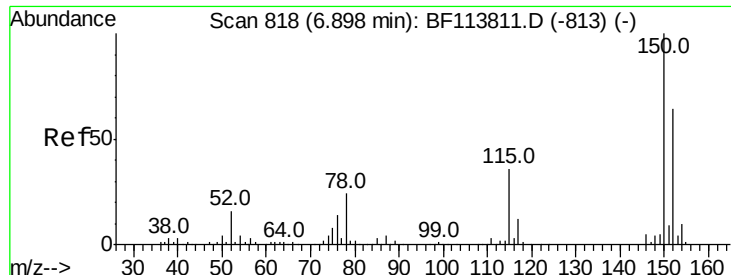
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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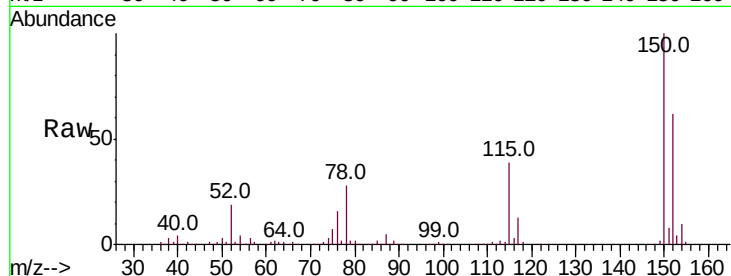


#1

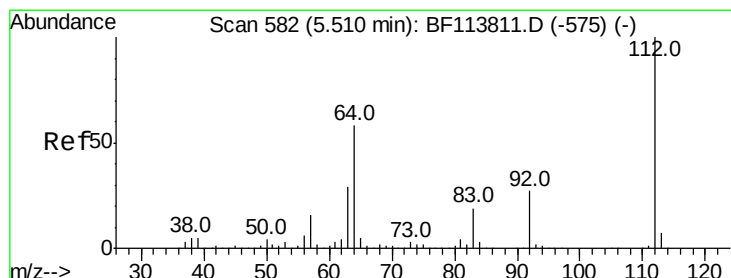
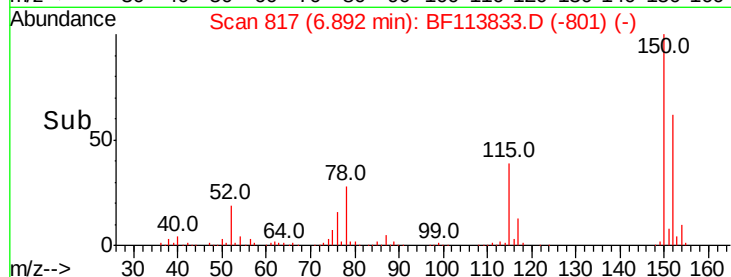
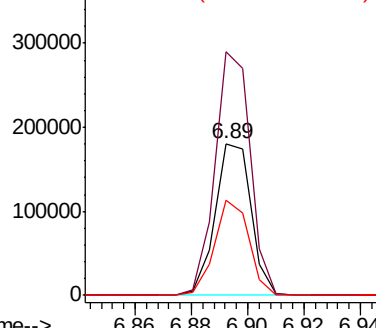
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159044
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 62.5 45.9 68.9



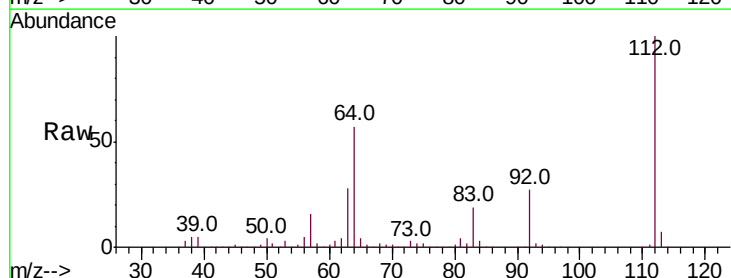
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



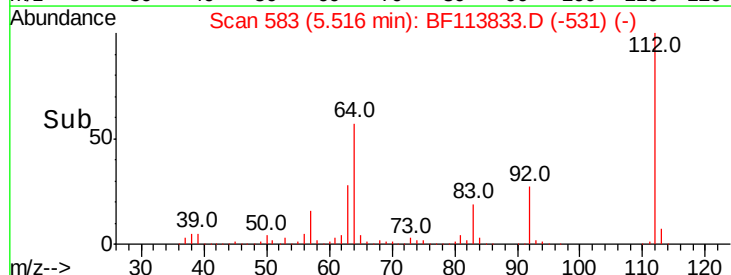
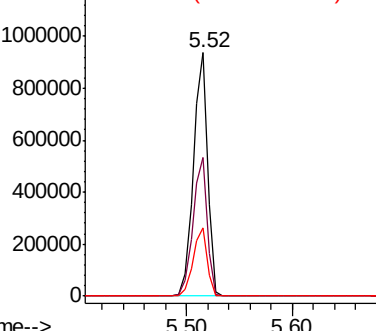
#5

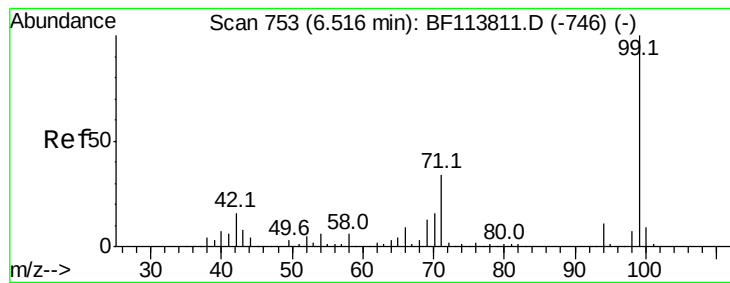
2-Fluorophenol
Concen: 92.257 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Tgt Ion:112 Resp: 882432
Ion Ratio Lower Upper
112 100
64 57.0 46.6 69.8
63 28.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.902 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

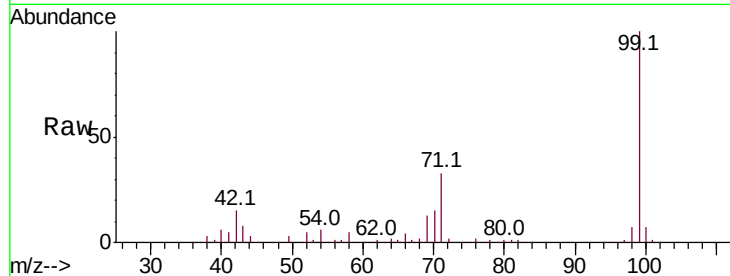
Tot Ion: 99 Resp: 1143936

Ion Ratio Lower Upper

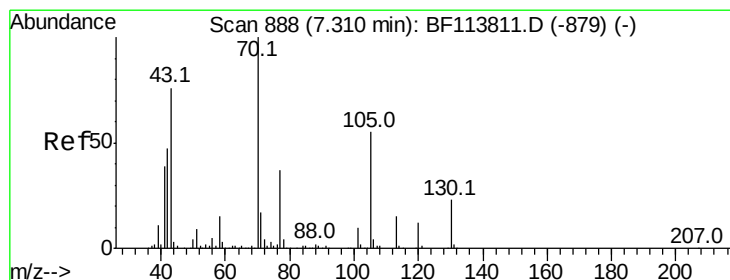
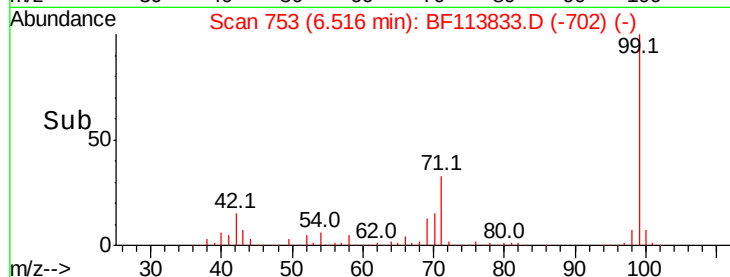
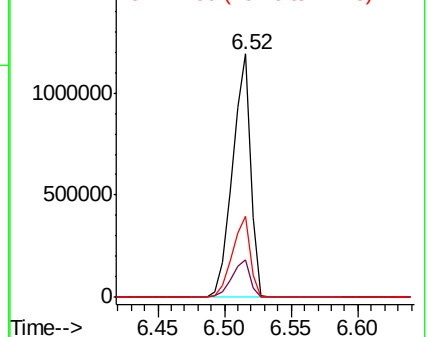
99 100

42 15.5 12.5 18.7

71 33.4 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.531 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Tgt Ion: 70 Resp: 91811

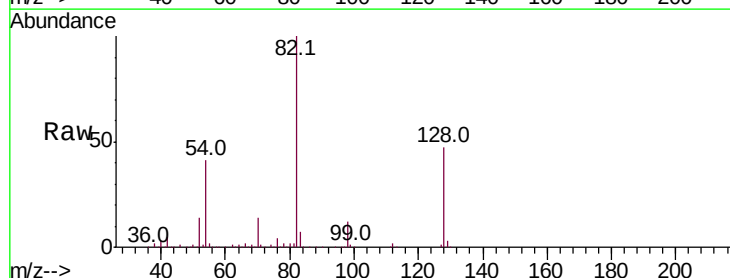
Ion Ratio Lower Upper

70 100

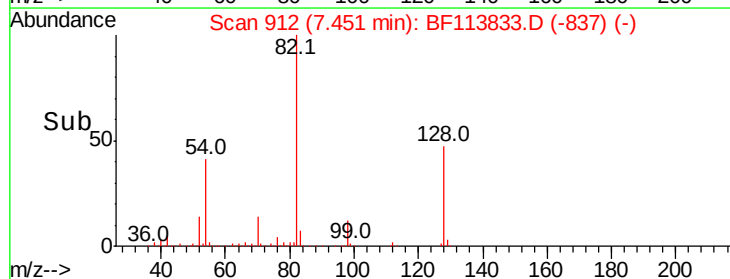
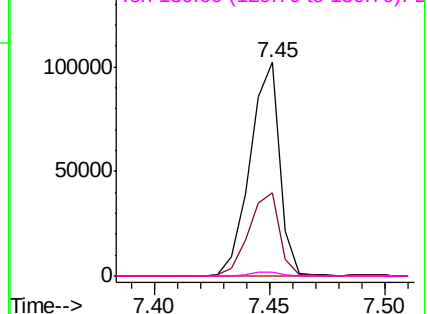
42 38.8 37.3 55.9

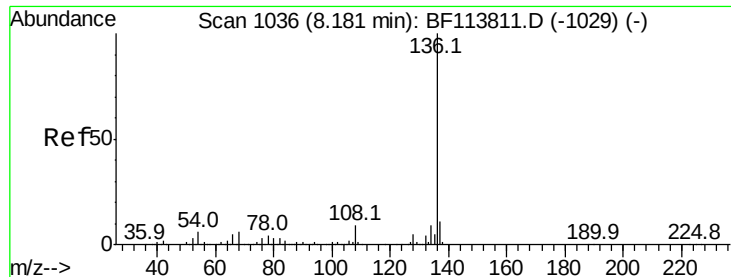
101 0.0 7.8 11.8#

130 2.0 18.2 27.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

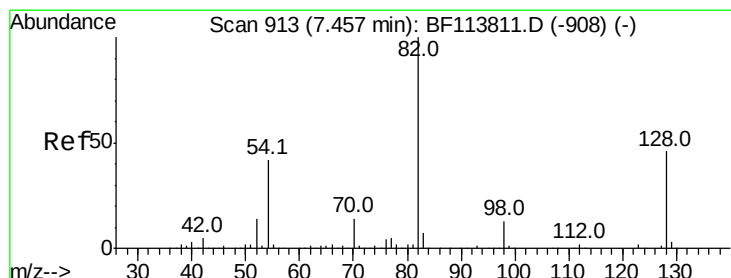
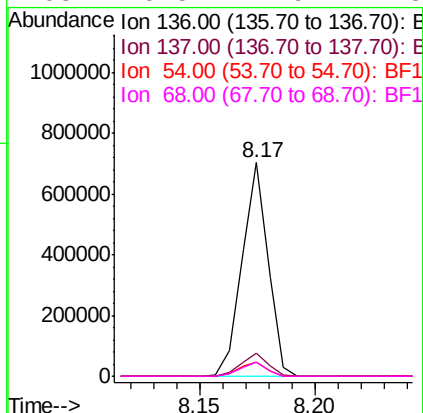
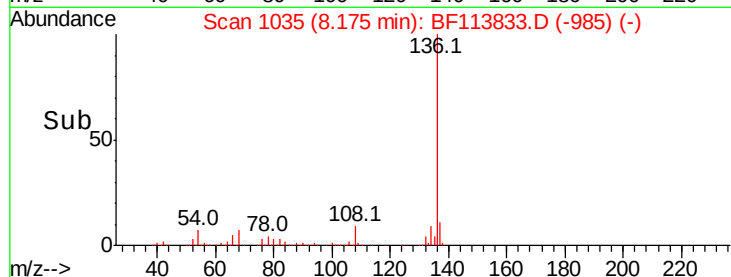
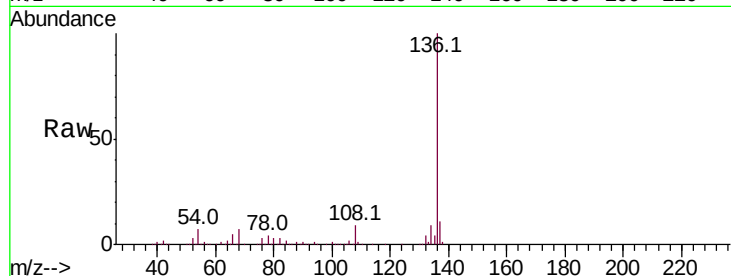




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

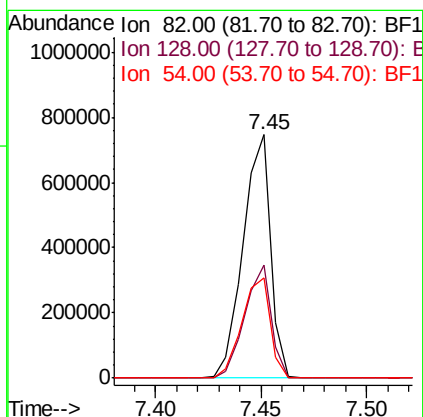
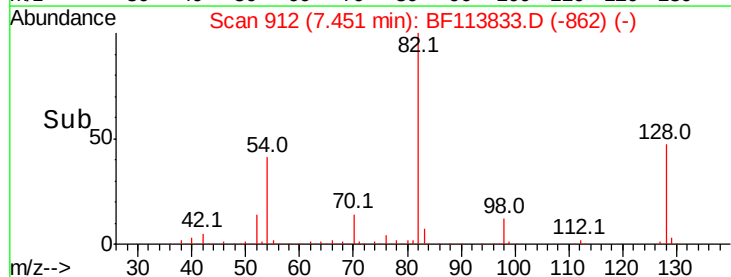
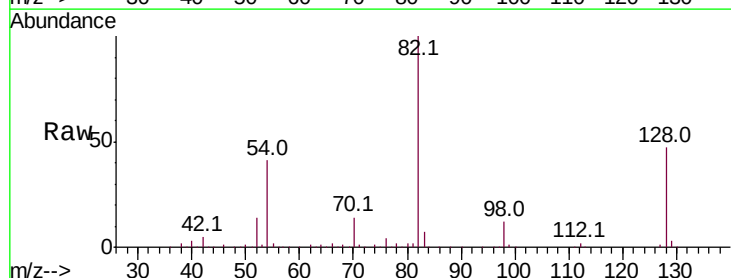
Instrument :
BNA_F
ClientSampleId :

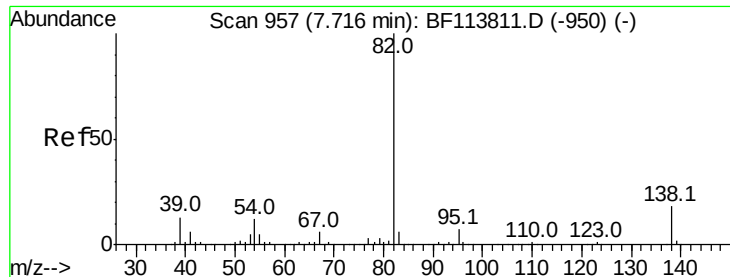
Tot Ion:136	Resp: 552818
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 12.8
54 6.8	5.0 7.6
68 6.5	4.9 7.3



#23
Nitrobenzene-d5
Concen: 74.395 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Tgt Ion: 82	Resp: 675361
Ion Ratio	Lower Upper
82 100	
128 46.6	36.8 55.2
54 41.3	33.8 50.6





#25

Isophorone

Concen: 35.931 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

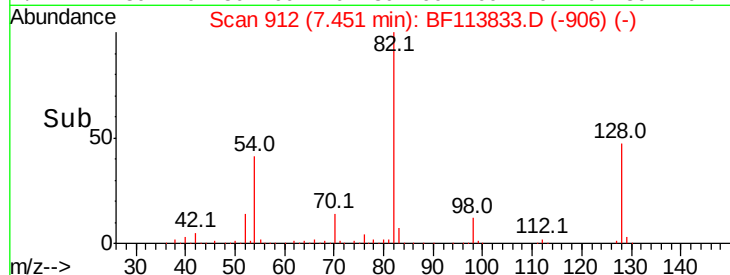
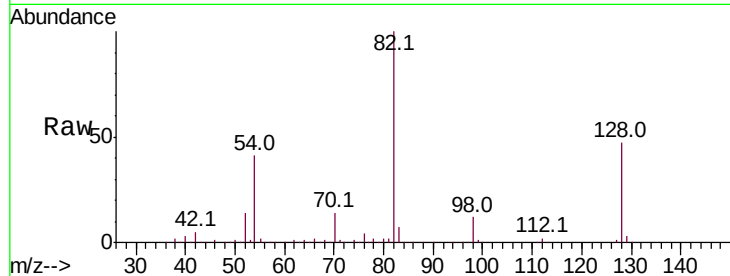
Tot Ion: 82 Resp: 675347

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

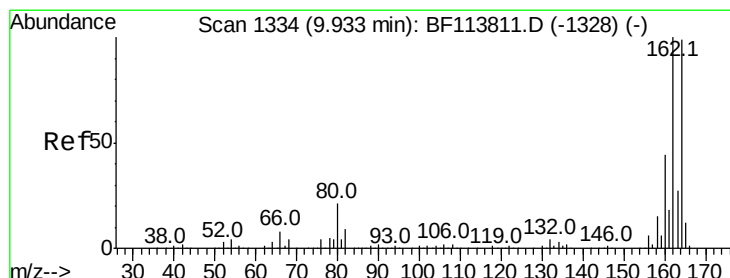
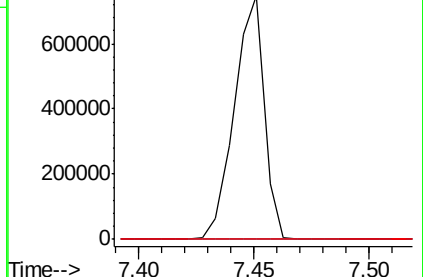
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

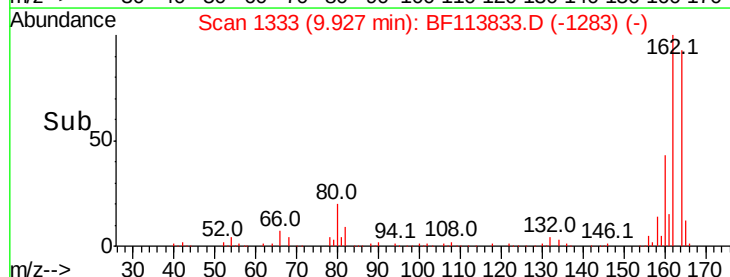
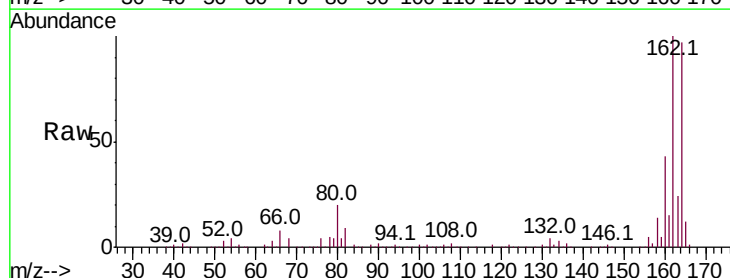
Tgt Ion:164 Resp: 238130

Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

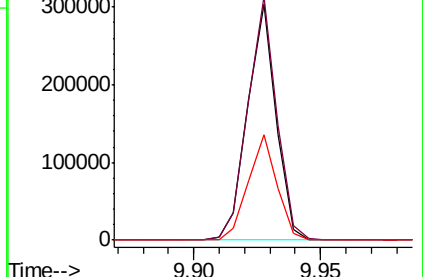
160 44.4 35.8 53.6

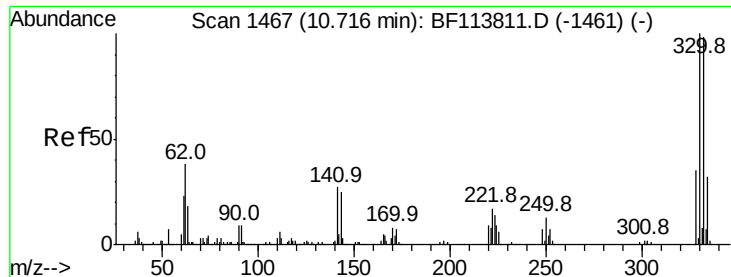


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.917 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

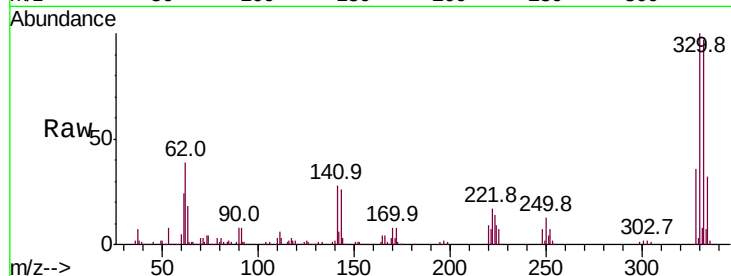
Tot Ion:330 Resp: 231302

Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

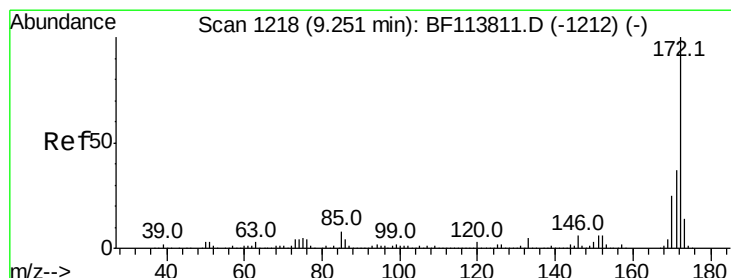
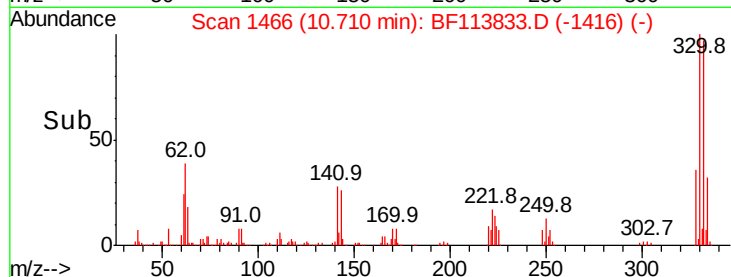
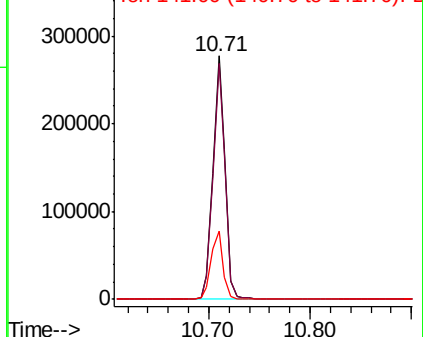
141 27.8 22.2 33.2



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



#45

2-Fluorobiphenyl

Concen: 75.306 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

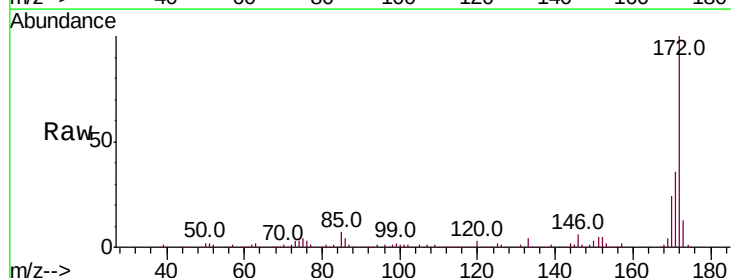
Tgt Ion:172 Resp: 1175878

Ion Ratio Lower Upper

172 100

171 36.4 29.4 44.0

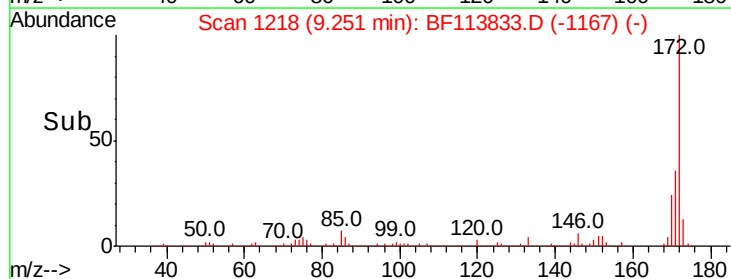
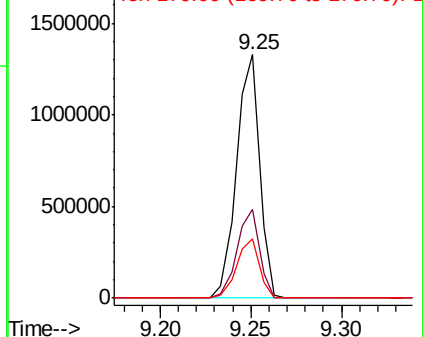
170 24.4 19.9 29.9

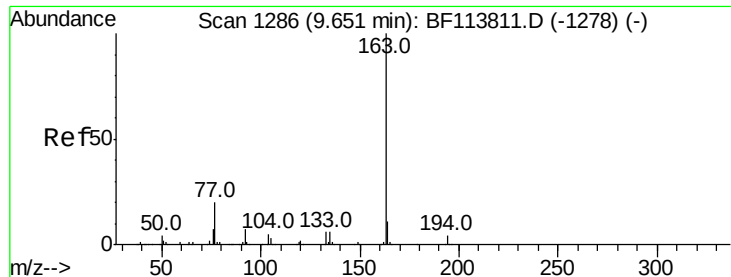


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.940 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

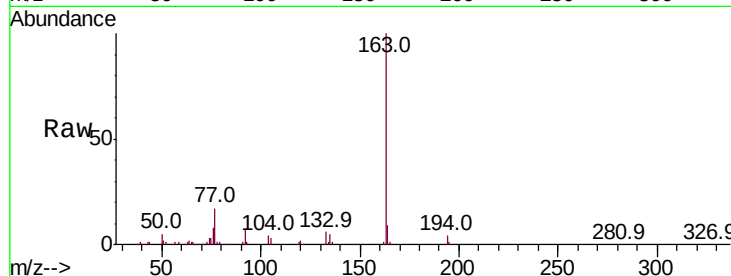
Tot Ion:163 Resp: 132314

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

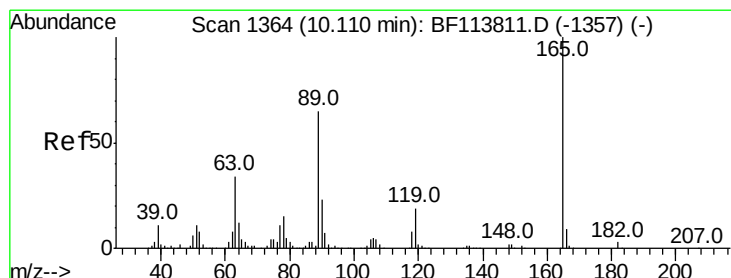
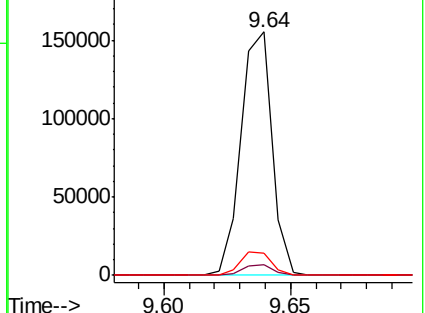
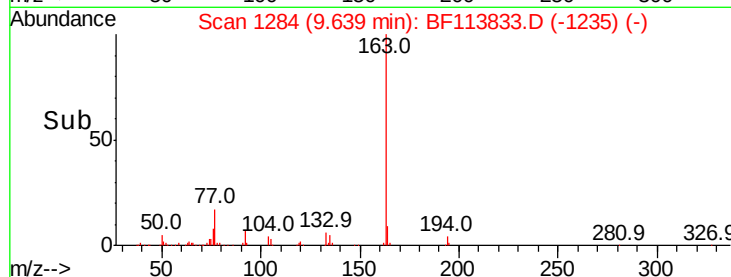
164 9.4 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.751 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Tgt Ion:165 Resp: 30806

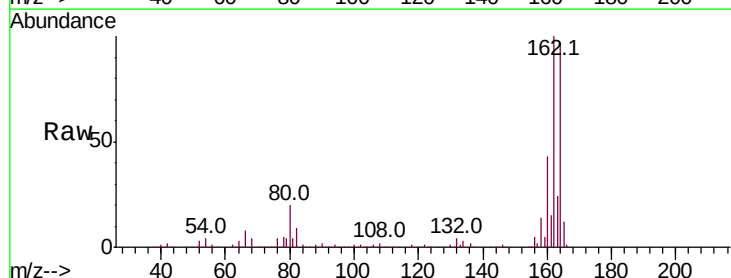
Ion Ratio Lower Upper

165 100

63 1.4 27.4 41.0#

89 1.5 51.8 77.6#

182 0.0 2.2 3.2#

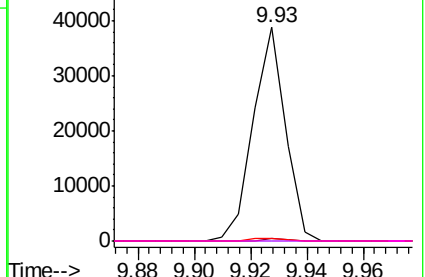
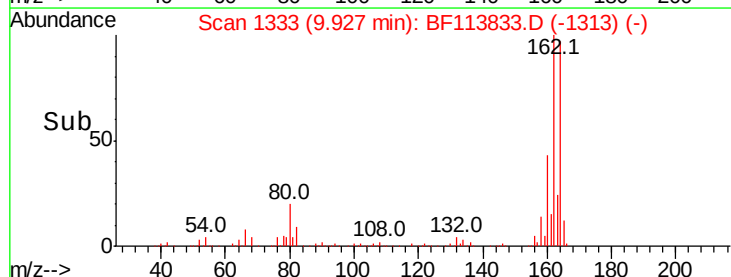


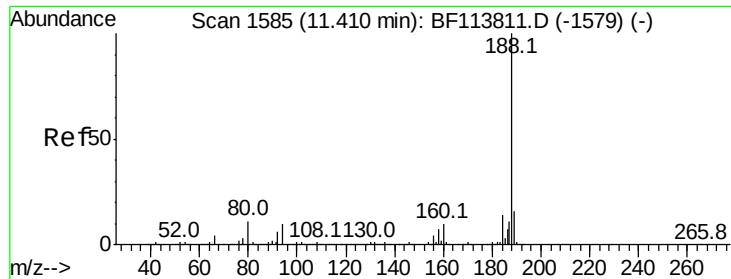
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

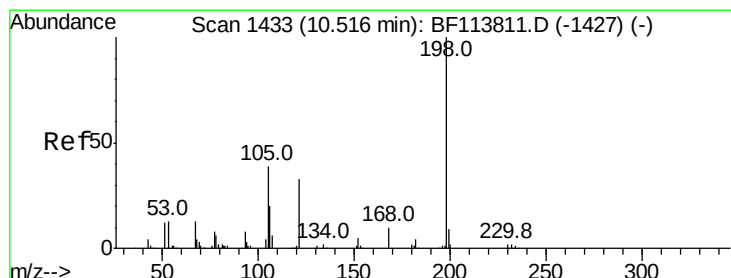
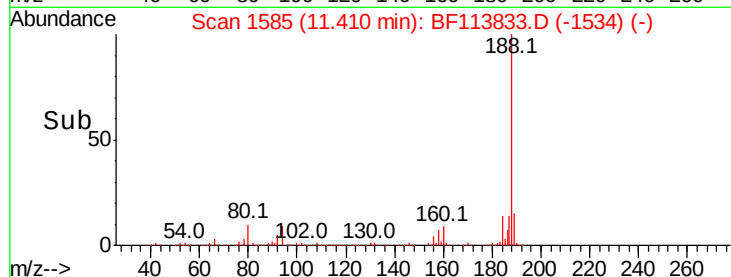
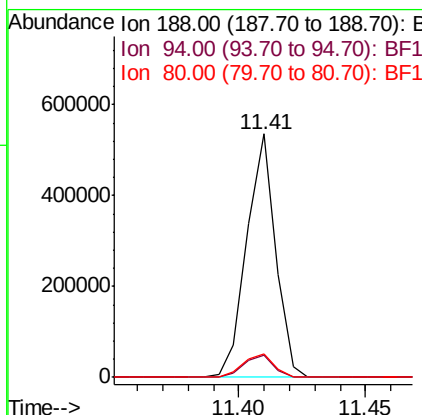
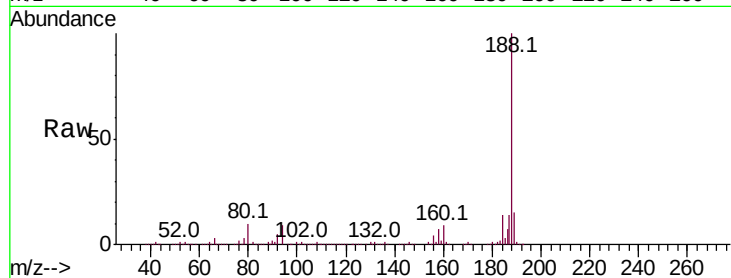




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

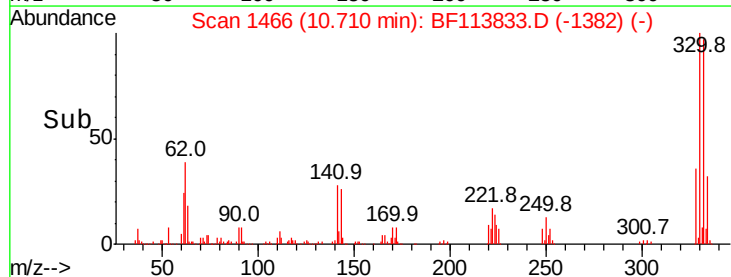
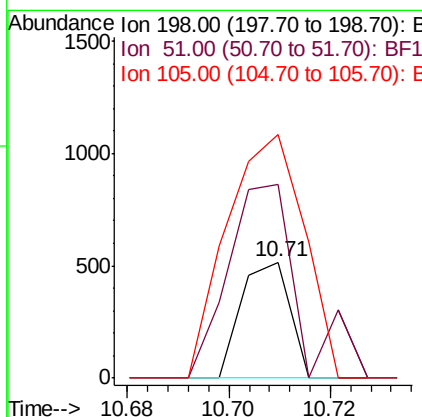
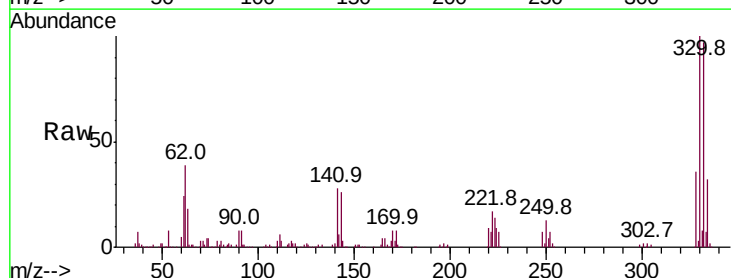
Instrument :
BNA_F
ClientSampleId :

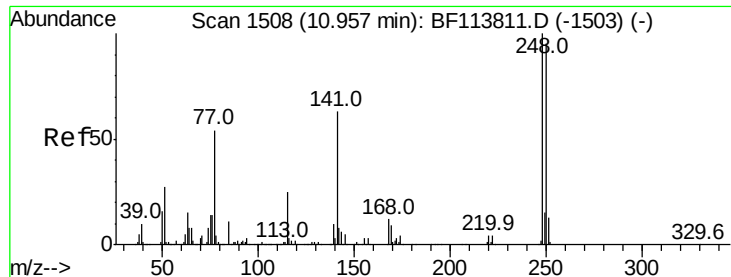
Tot Ion:188 Resp: 424117
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.4
80 9.8 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.096 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Tgt Ion:198 Resp: 345
Ion Ratio Lower Upper
198 100
51 166.3 11.1 51.1#
105 209.7 20.7 60.7#





#67

4-Bromophenyl-phenylether

Concen: 2.856 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampled :

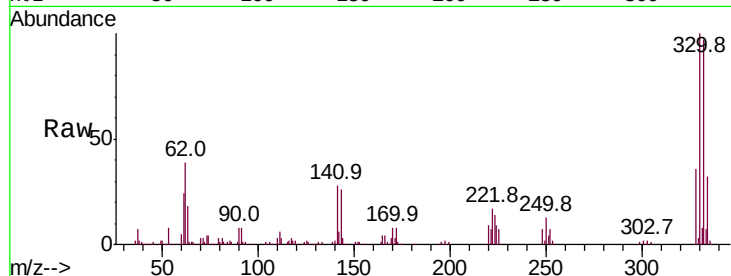
Tot Ion:248 Resp: 14222

Ion Ratio Lower Upper

248 100

250 197.6 75.8 113.6#

141 426.2 50.2 75.4#

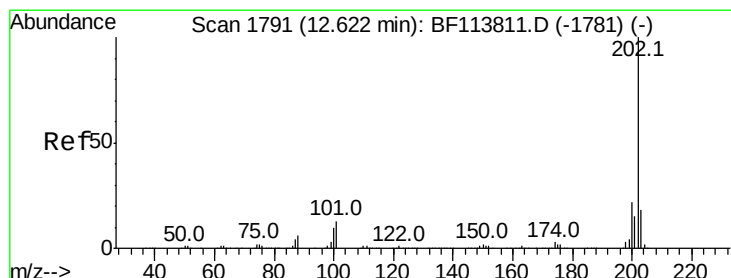
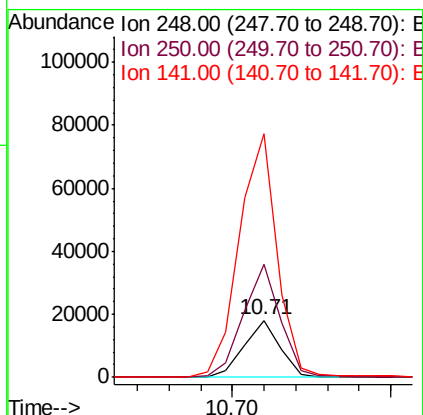
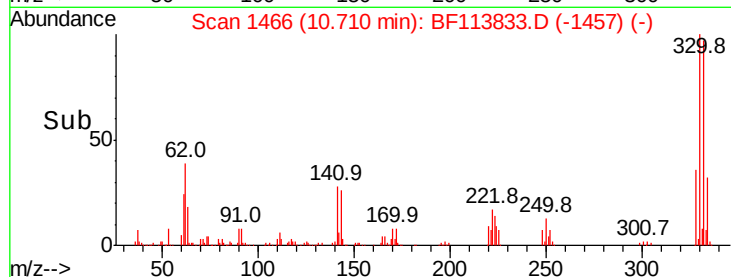


Abundance

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

Fluoranthene

Concen: 3.118 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

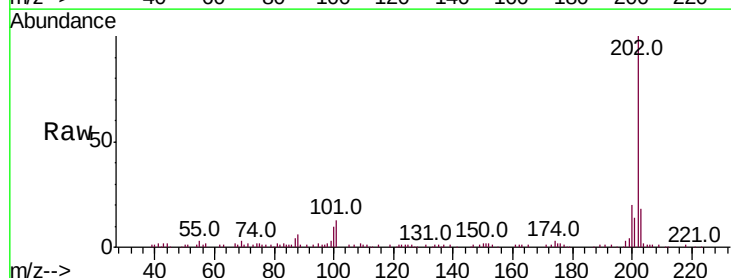
Tgt Ion:202 Resp: 71379

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.9

203 17.7 0.0 38.2

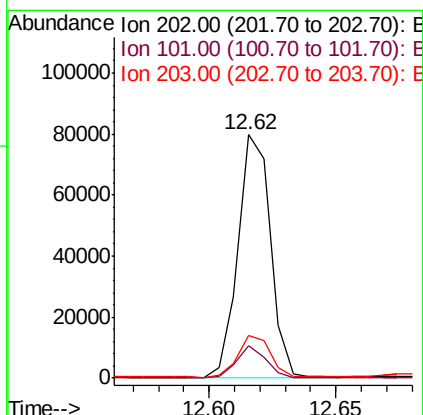
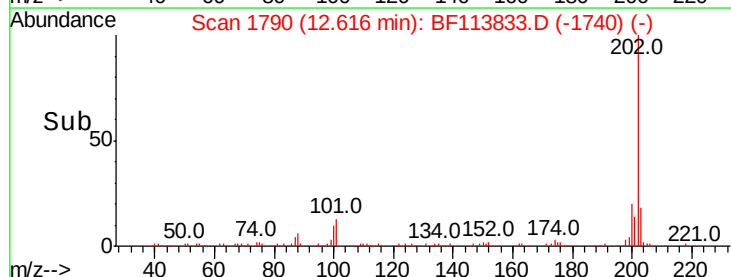


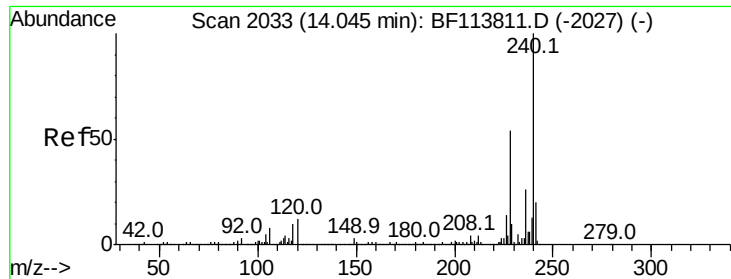
Abundance

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

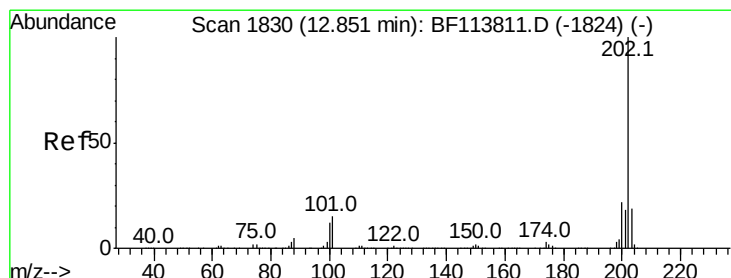
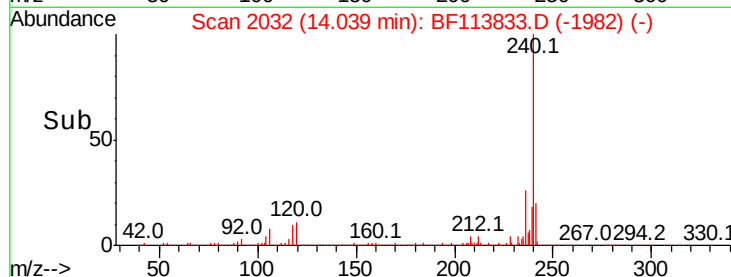
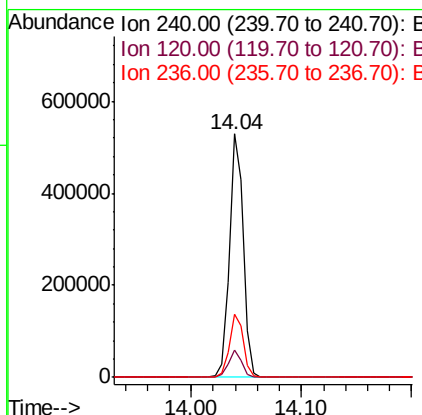
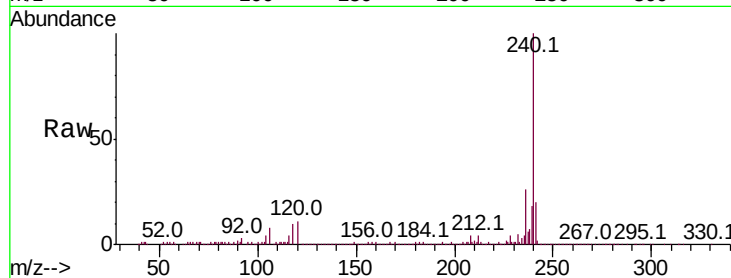




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF113833.D
 Acq: 18 Apr 2019 22:57

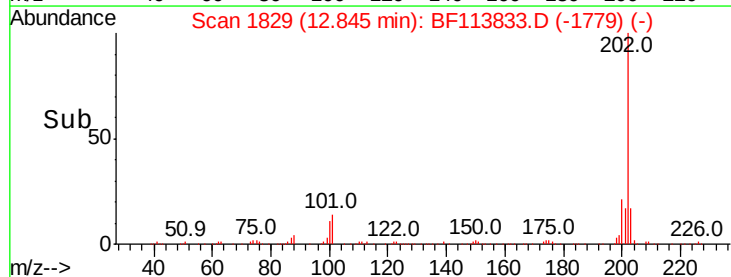
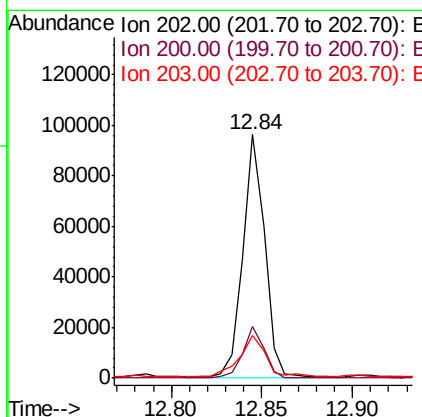
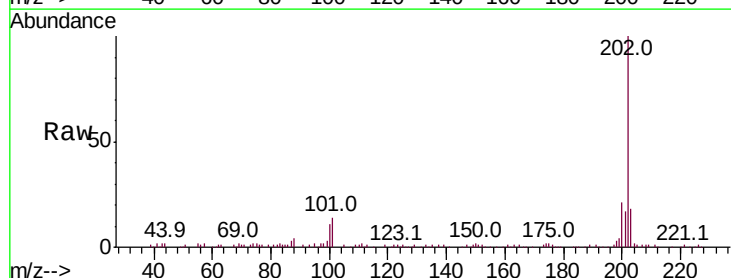
Instrument :
 BNA_F
 ClientSampleId :

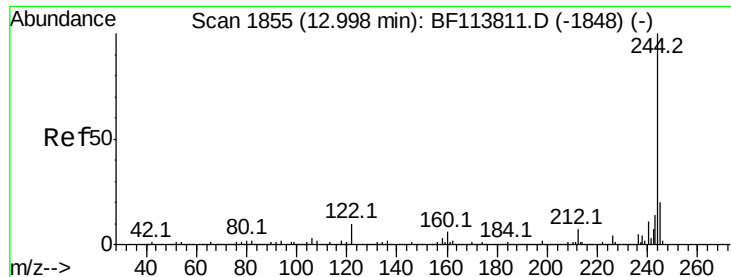
Tot Ion:240 Resp: 463290
 Ion Ratio Lower Upper
 240 100
 120 11.3 9.3 13.9
 236 25.8 21.2 31.8



#78
 Pyrene
 Concen: 2.452 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF113833.D
 Acq: 18 Apr 2019 22:57

Tgt Ion:202 Resp: 80061
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.7 26.5
 203 17.6 15.0 22.6





#79

Terphenyl-d14

Concen: 57.599 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

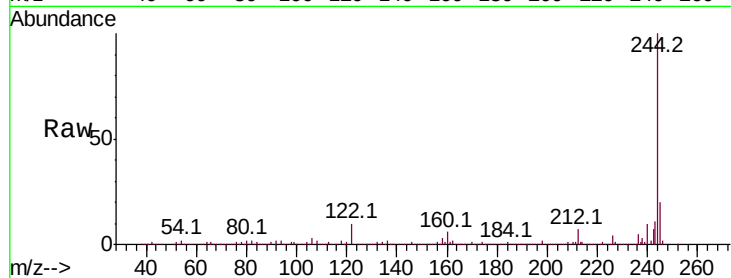
Tot Ion:244 Resp: 1272562

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

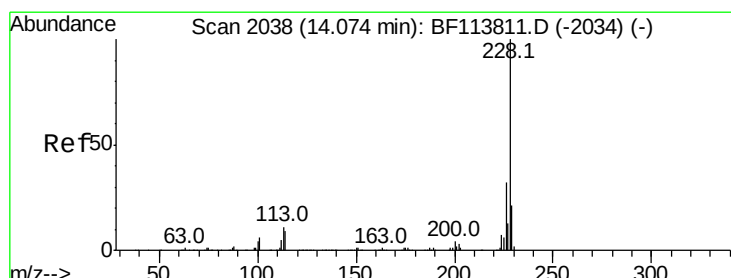
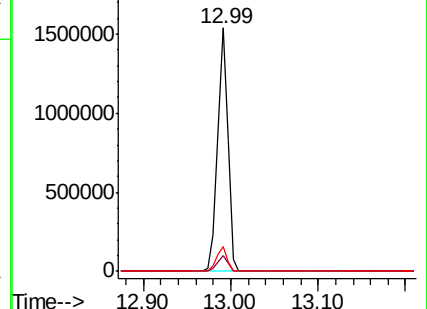
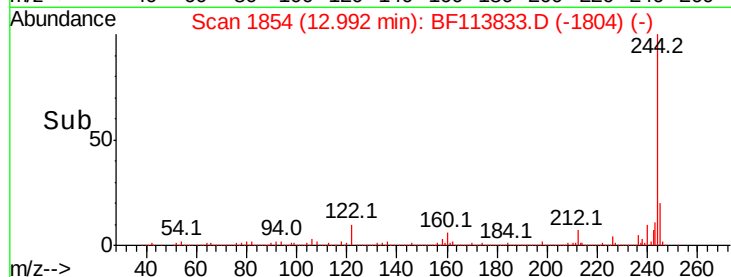
122 10.1 7.6 11.4



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



#83

Chrysene

Concen: 2.252 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

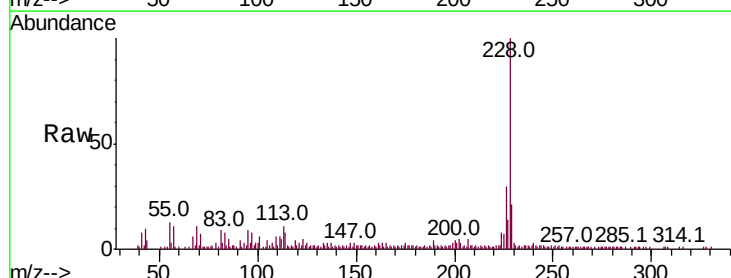
Tgt Ion:228 Resp: 60540

Ion Ratio Lower Upper

228 100

226 29.5 25.2 37.8

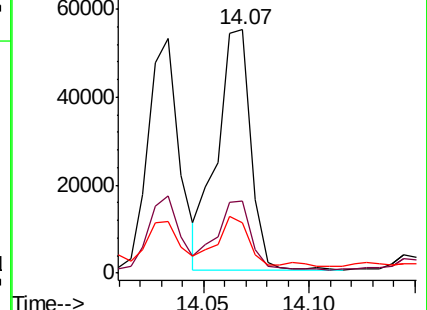
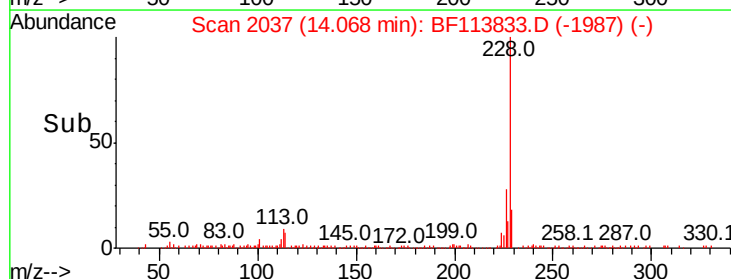
229 20.9 16.7 25.1

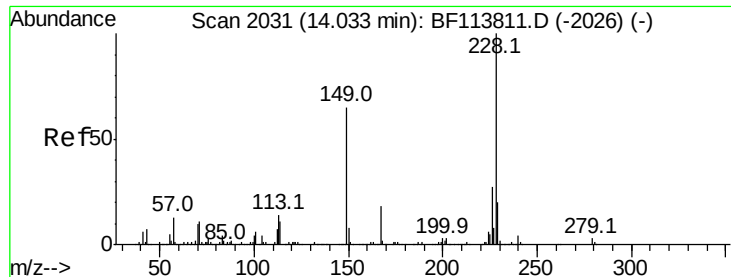


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.516 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

Instrument :

BNA_F

ClientSampleId :

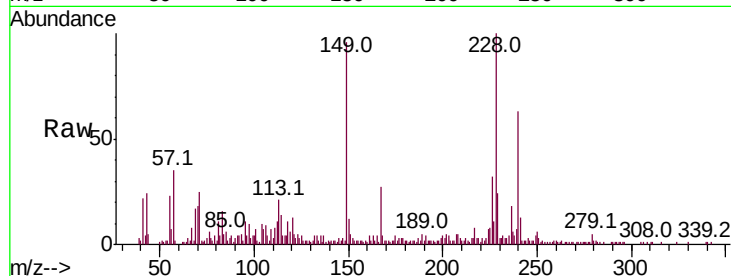
Tot Ion:149 Resp: 36400

Ion Ratio Lower Upper

149 100

167 28.4 22.9 34.3

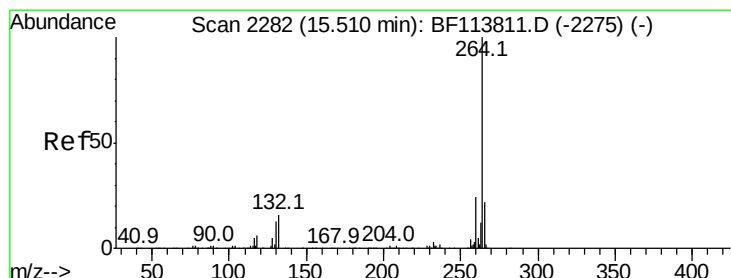
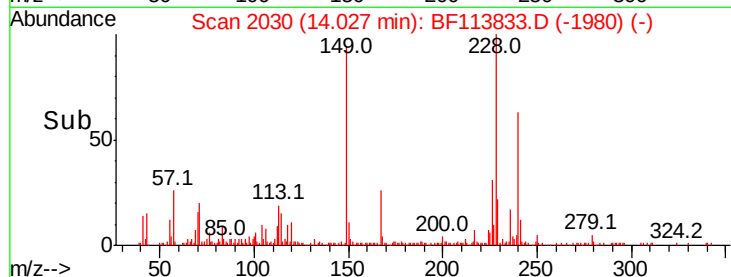
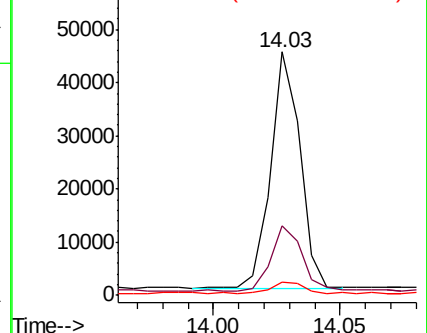
279 5.6 4.2 6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF113833.D

Acq: 18 Apr 2019 22:57

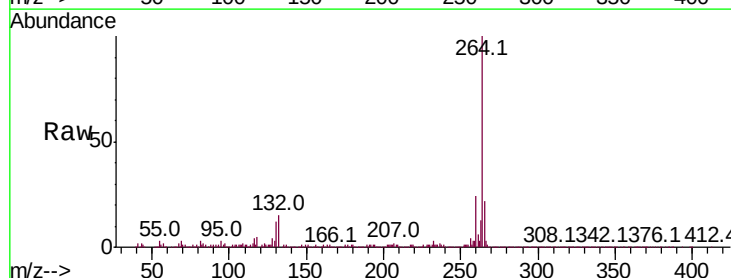
Tgt Ion:264 Resp: 497483

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

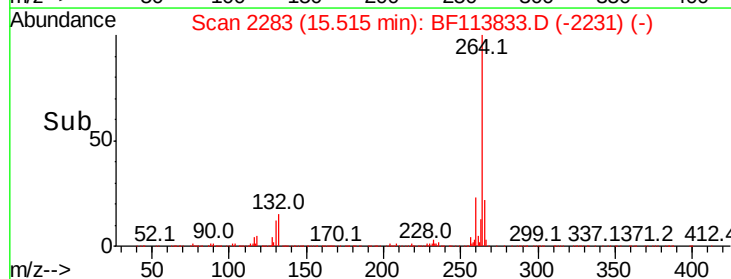
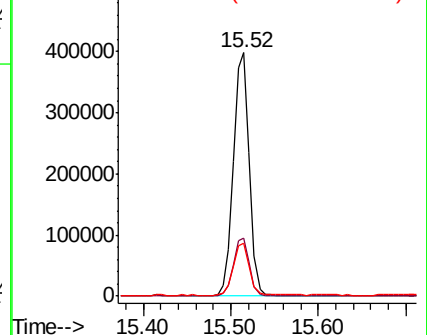
265 21.9 17.3 25.9

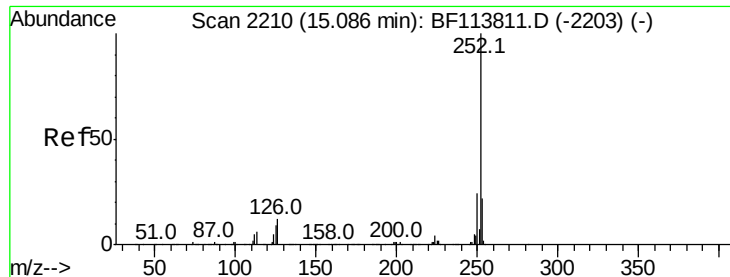


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

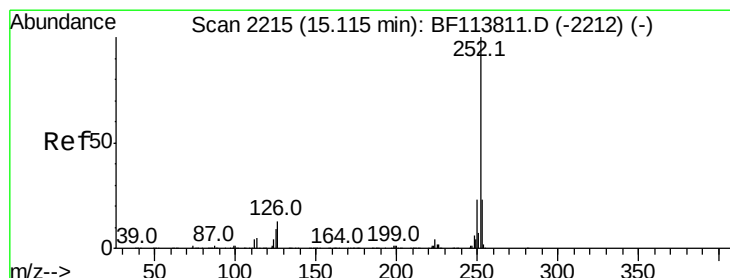
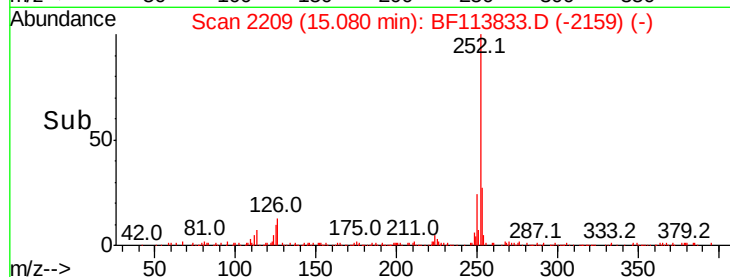
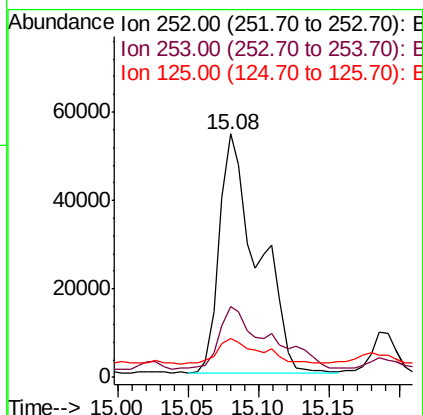
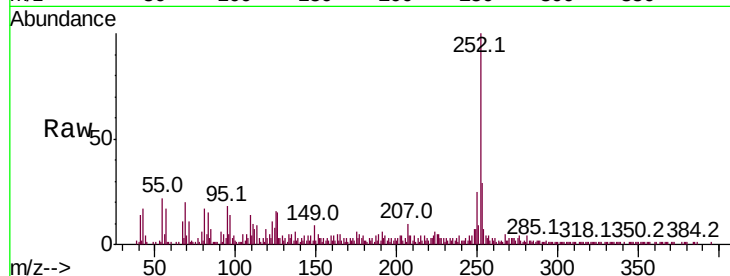




#88
Benzo(b)fluoranthene
Concen: 3.320 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.6#
125	15.8	7.0	10.6#



#89
Benzo(k)fluoranthene
Concen: 3.645 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF113833.D
Acq: 18 Apr 2019 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.2	27.2#
125	15.8	7.4	11.2#

