

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113237.D
 Acq On : 22 Mar 2019 16:25
 Operator : JU/SJ
 Sample : K2018-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:27:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

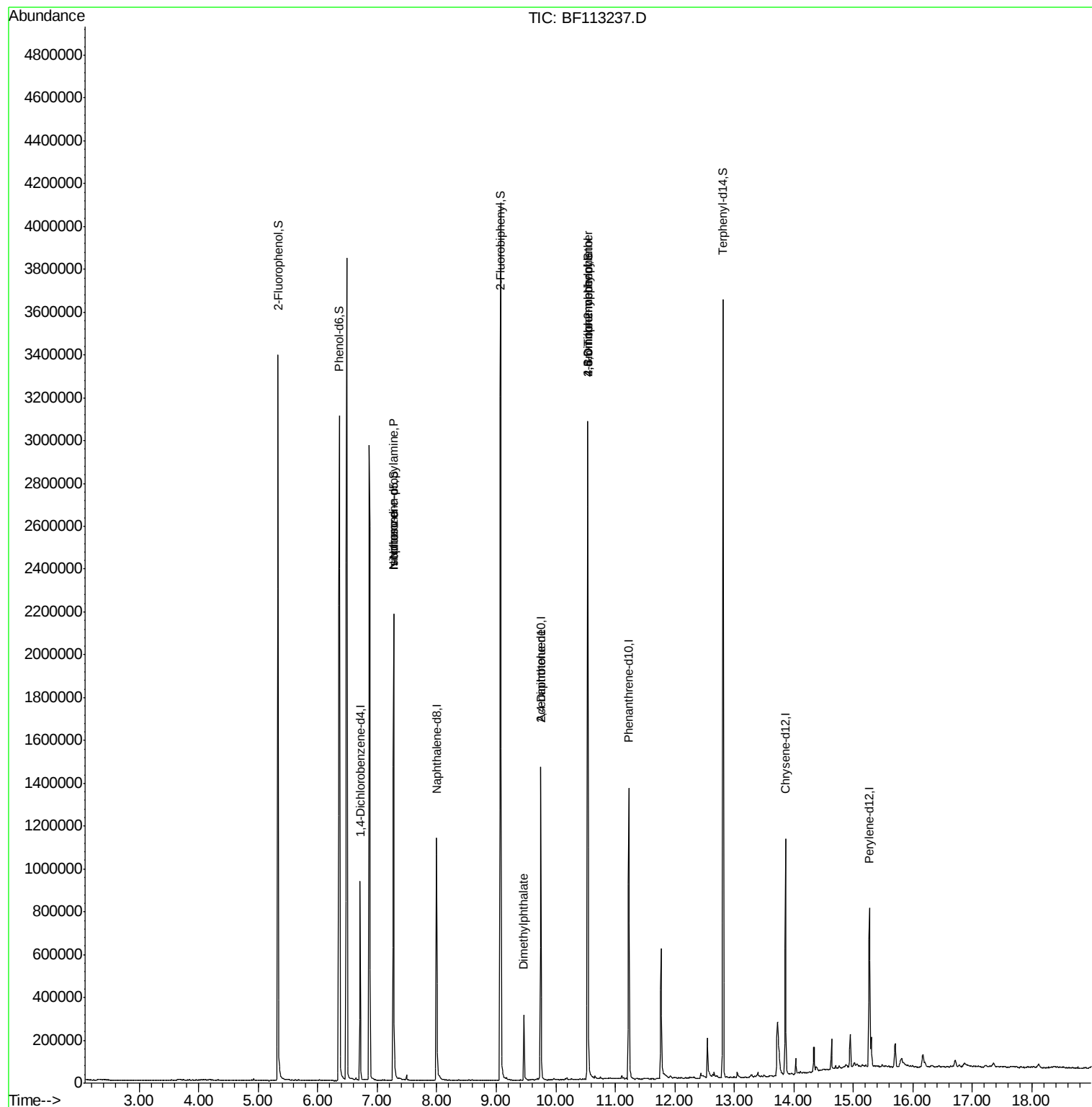
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	155436	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	626468	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	314428	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	534945	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	377845	20.00	ng	-0.01
87) Perylene-d12	15.27	264	343314	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1047365	104.82	ng	-0.01
7) Phenol-d6	6.36	99	1264672	100.75	ng	-0.01
23) Nitrobenzene-d5	7.27	82	828650	79.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	467909	140.17	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1390750	69.94	ng	-0.02
79) Terphenyl-d14	12.81	244	1383783	70.99	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	107011	13.461	ng	# 76
25) Isophorone	7.27	82	813319	36.060	ng	# 66
50) Dimethylphthalate	9.47	163	146867	6.335	ng	# 98
57) 2,4-Dinitrotoluene	9.75	165	39977	6.661	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	680	4.892	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	26052	4.624	ng	# 1

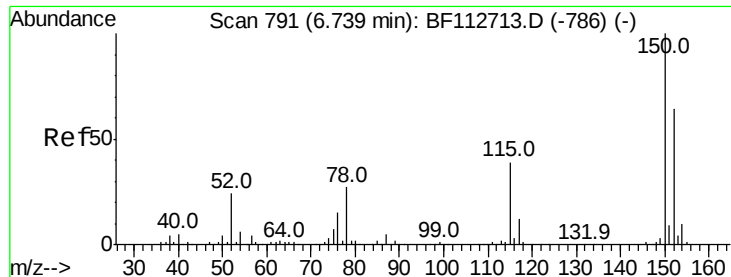
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration



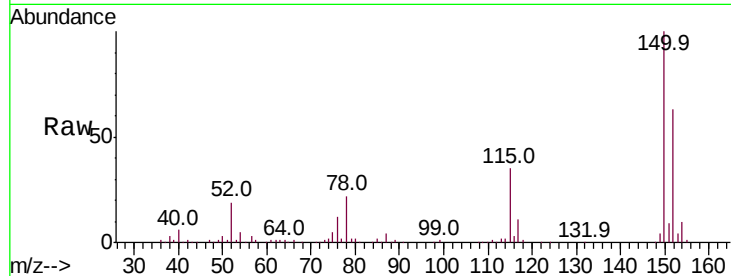


#1

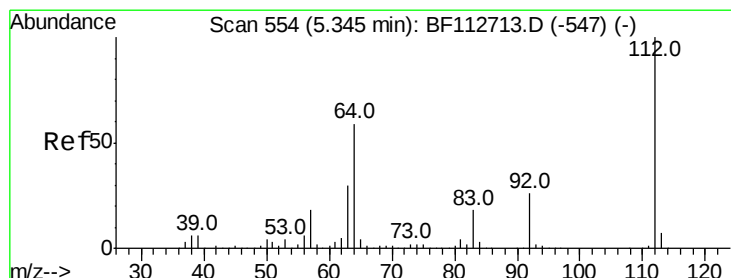
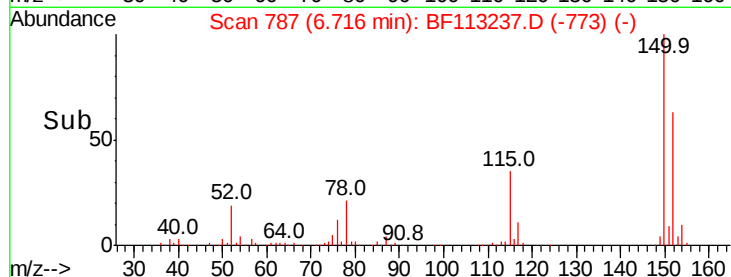
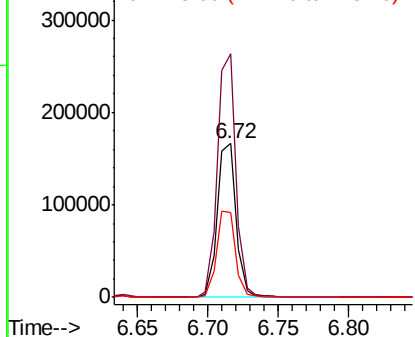
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155436
Ion Ratio Lower Upper
152 100
150 158.6 124.2 186.2
115 55.5 48.2 72.4



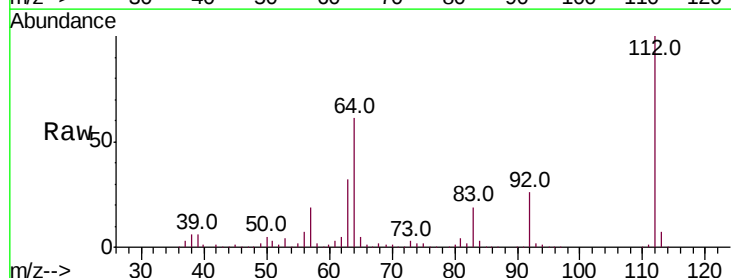
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



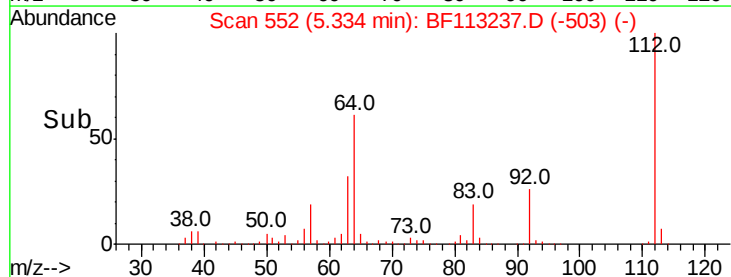
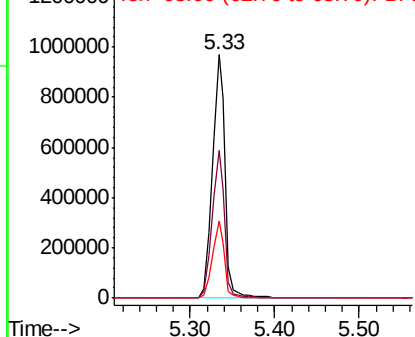
#5

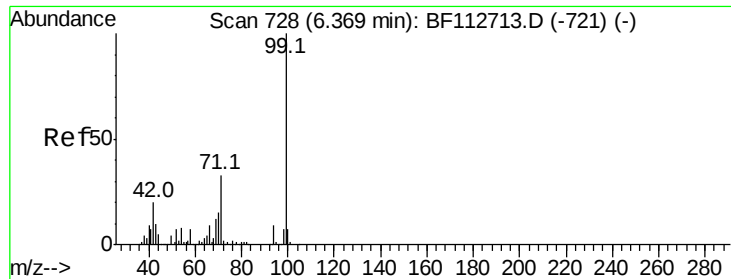
2-Fluorophenol
Concen: 104.816 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Tgt Ion:112 Resp: 1047365
Ion Ratio Lower Upper
112 100
64 60.7 47.6 71.4
63 31.6 24.4 36.6



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: 100.754 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

Instrument :

BNA_F

ClientSampled :

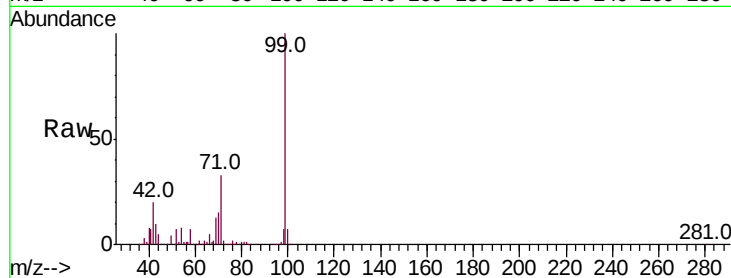
Tot Ion: 99 Resp: 1264672

Ion Ratio Lower Upper

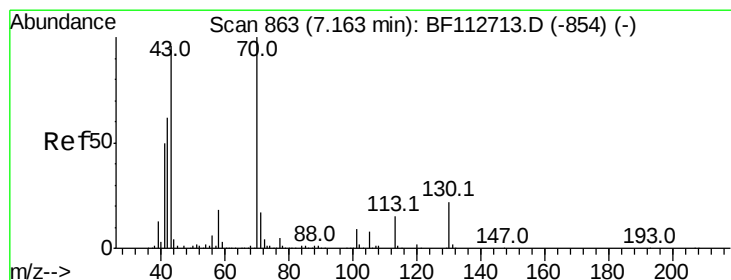
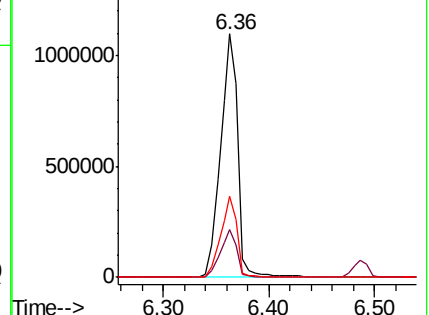
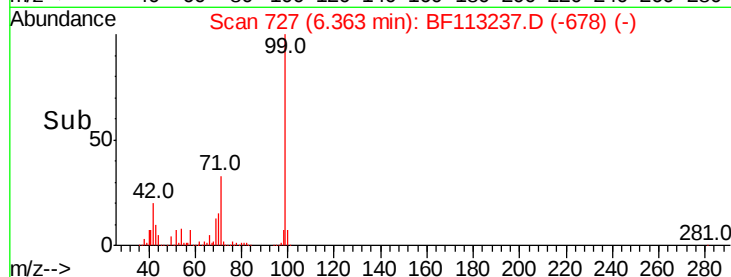
99 100

42 19.6 16.3 24.5

71 33.2 26.2 39.4



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: 13.461 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

Tgt Ion: 70 Resp: 107011

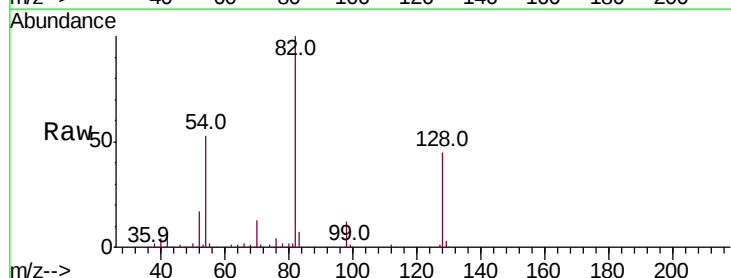
Ion Ratio Lower Upper

70 100

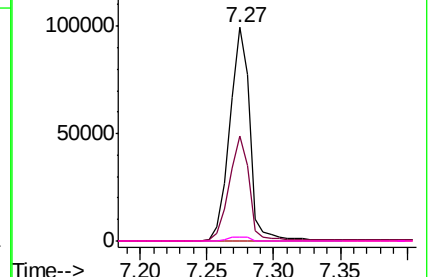
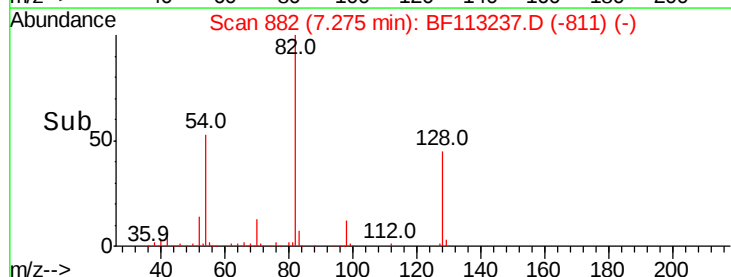
42 49.4 49.9 74.9#

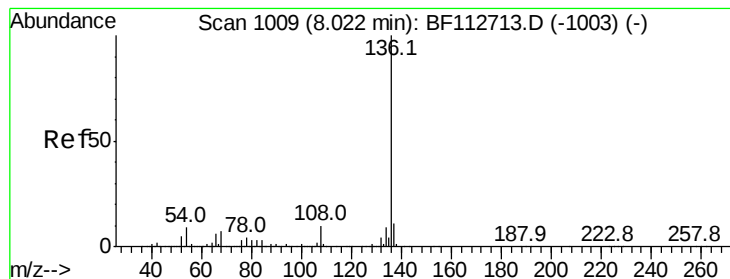
101 0.0 7.4 11.2#

130 1.9 17.4 26.2#



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: 8.00 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 626468

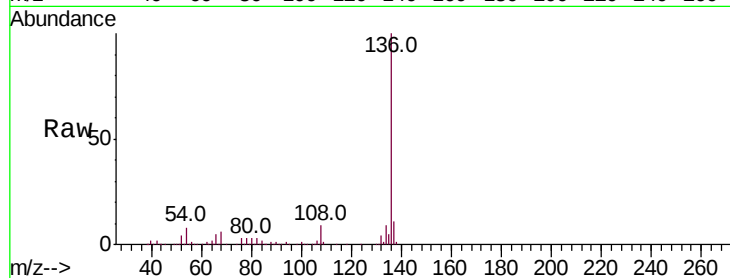
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 7.3 10.9

68 5.6 5.4 8.2

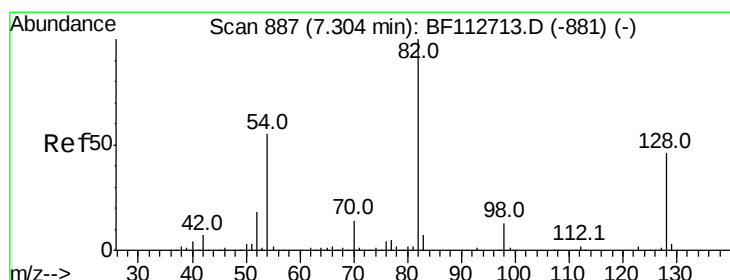
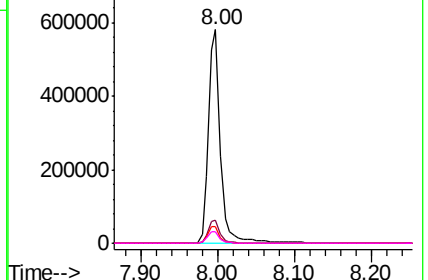
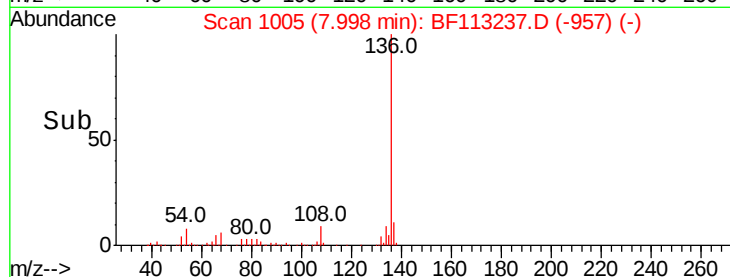


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 79.150 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

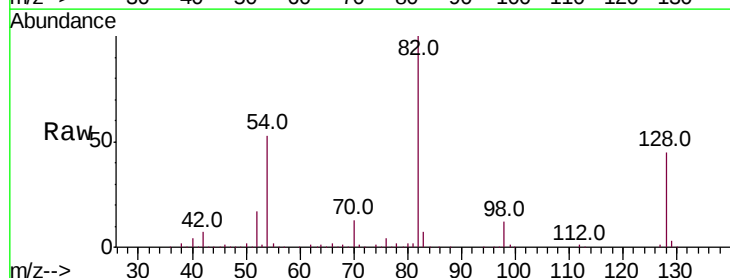
Tgt Ion: 82 Resp: 828650

Ion Ratio Lower Upper

82 100

128 45.3 36.3 54.5

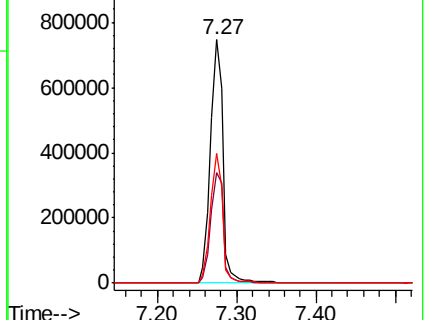
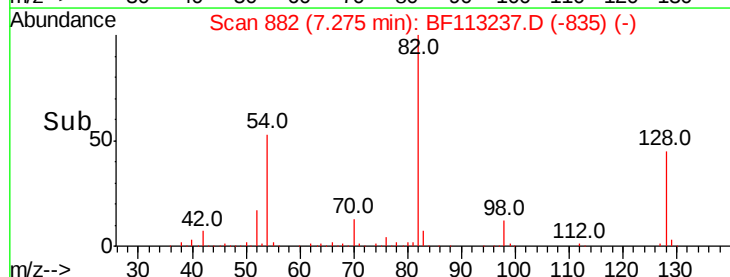
54 53.2 43.7 65.5

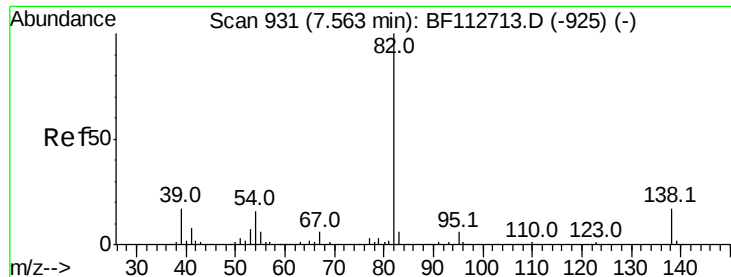


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.060 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

Instrument :
BNA_F
ClientSampled :

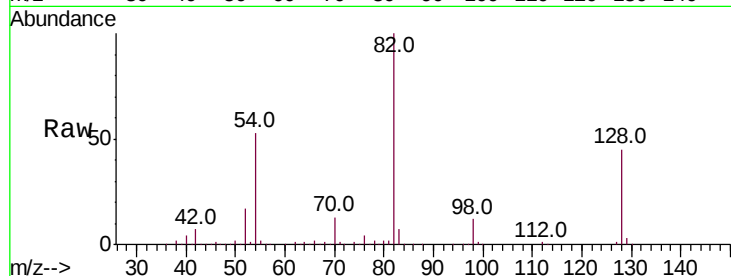
Tot Ion: 82 Resp: 813319

Ion Ratio Lower Upper

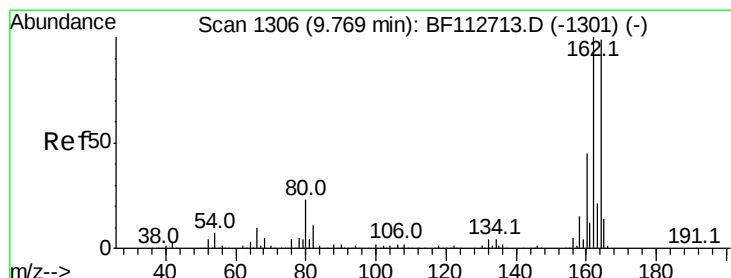
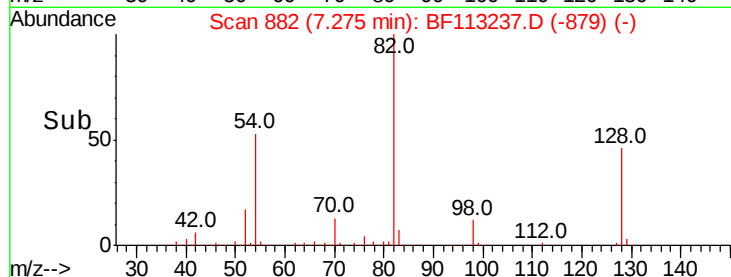
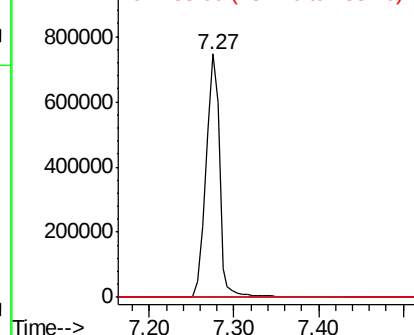
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

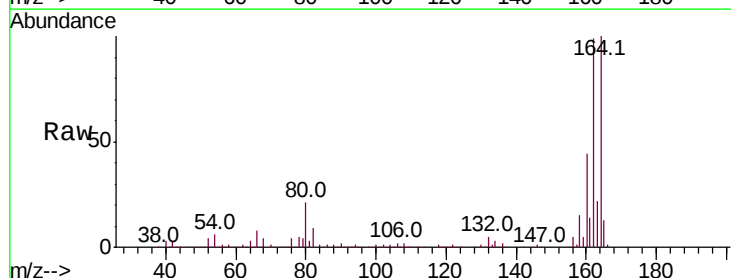
Tgt Ion:164 Resp: 314428

Ion Ratio Lower Upper

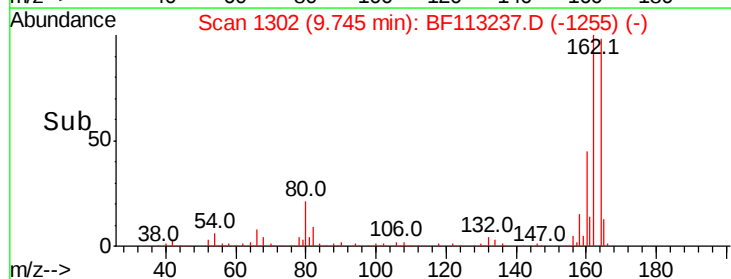
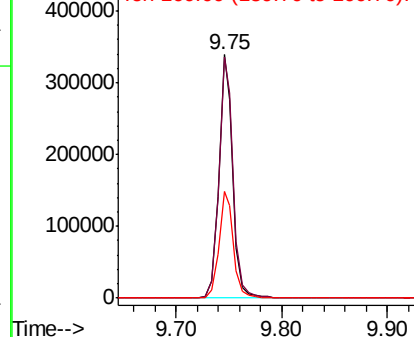
164 100

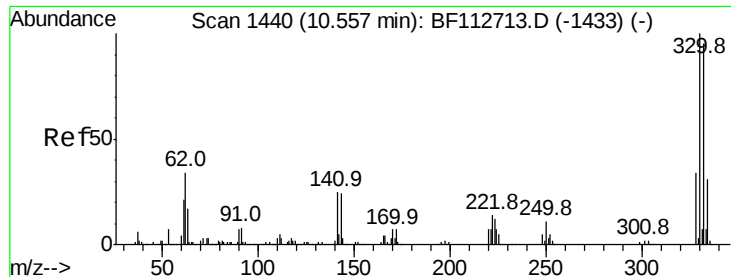
162 98.8 80.6 120.8

160 43.8 36.0 54.0



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

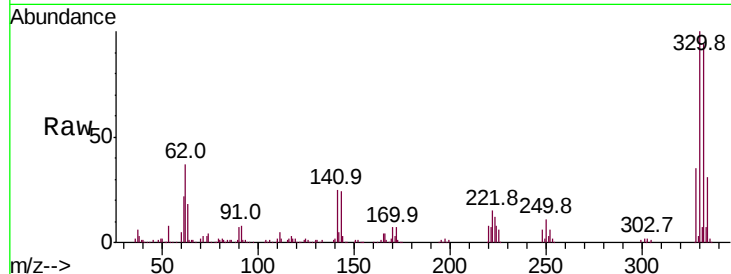




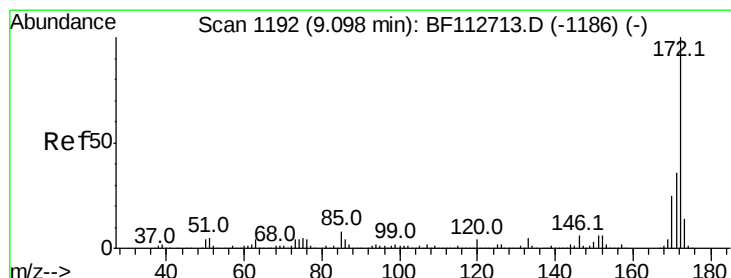
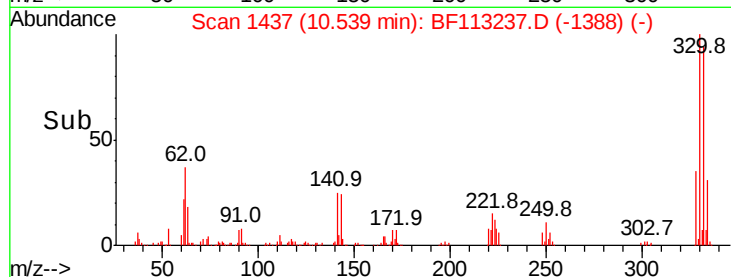
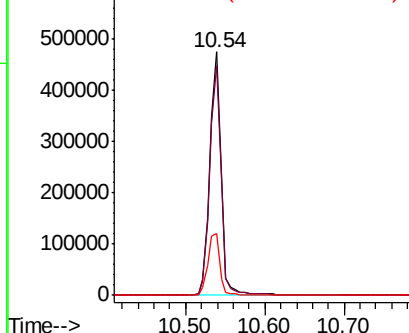
#42
 2,4,6-Tribromophenol
 Concen: 140.174 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113237.D
 Acq: 22 Mar 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 467909
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.2 114.4
 141 27.8 27.0 40.6

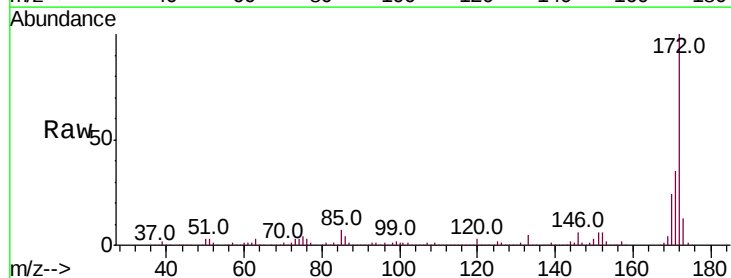


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

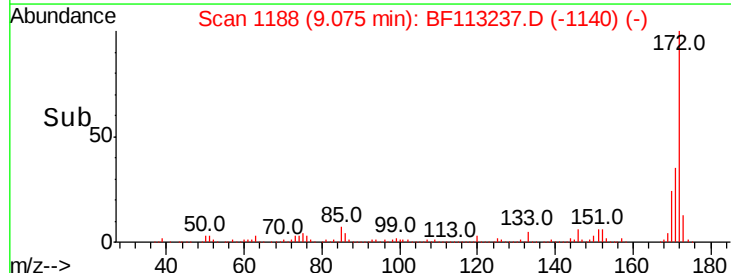
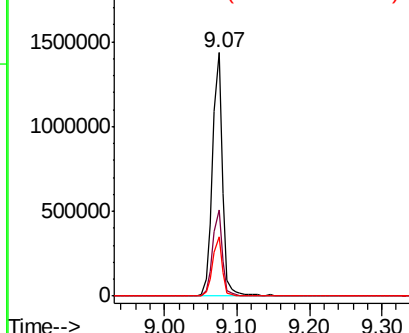


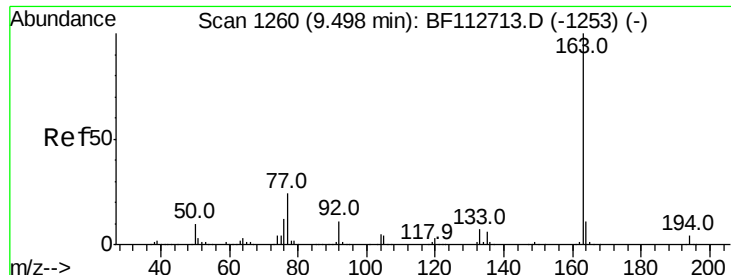
#45
 2-Fluorobiphenyl
 Concen: 69.938 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113237.D
 Acq: 22 Mar 2019 16:25

Tgt Ion:172 Resp: 1390750
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.4
 170 24.4 20.0 30.0



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

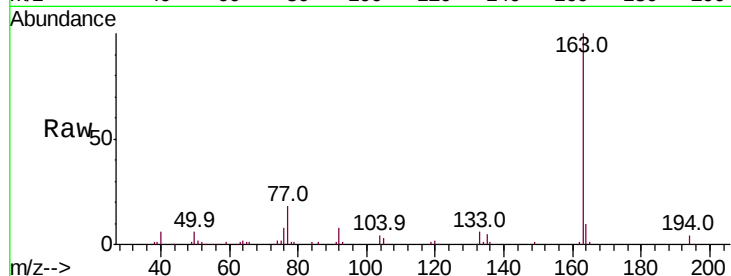




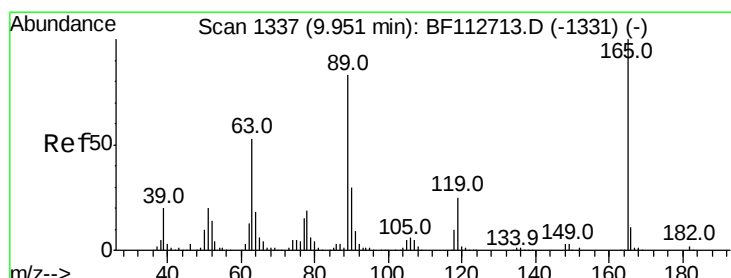
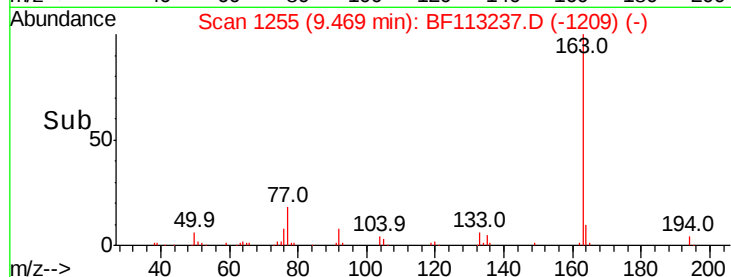
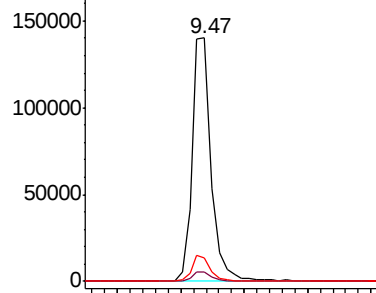
#50
Dimethylphthalate
Concen: 6.335 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.03 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	163	Resp:	146867
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.8	8.4	12.6

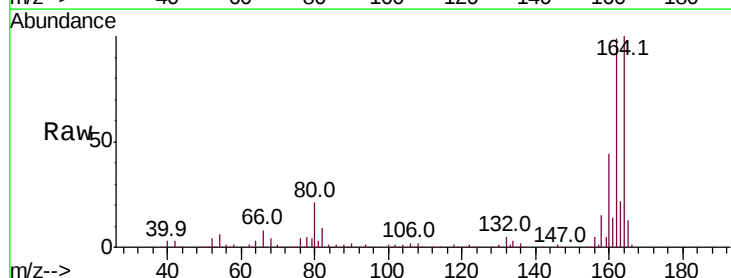


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

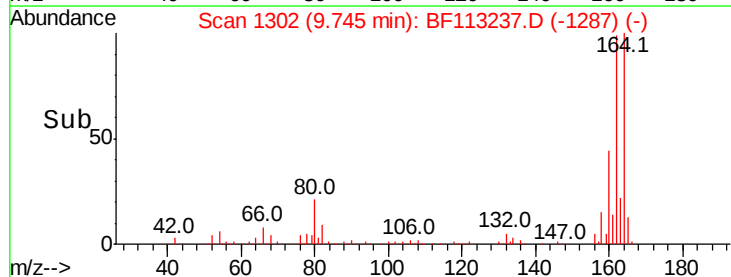
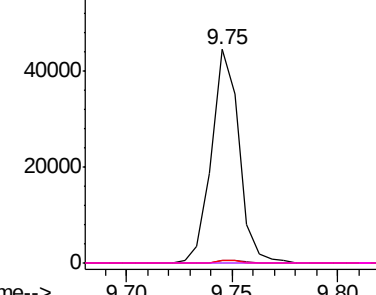


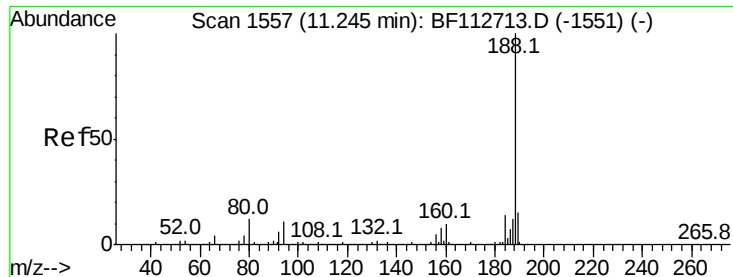
#57
2,4-Dinitrotoluene
Concen: 6.661 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Tgt Ion:	165	Resp:	39977
Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.2	63.2#
89	1.5	66.2	99.4#
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): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

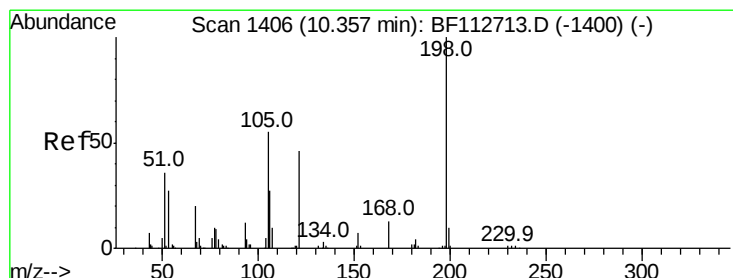
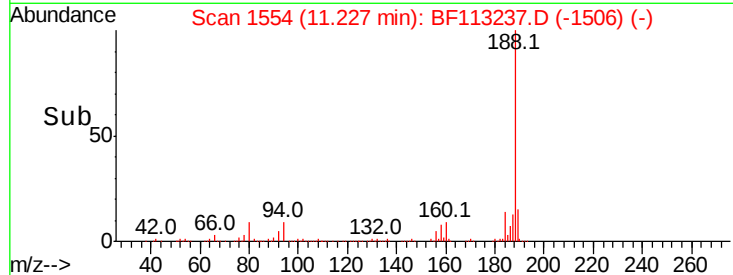
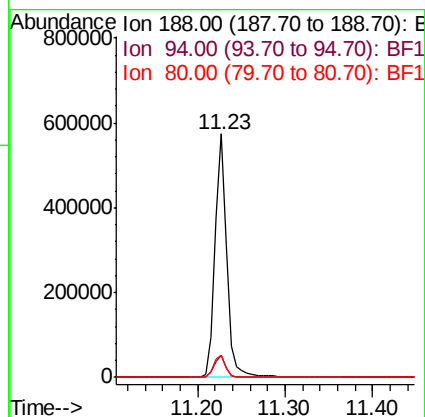
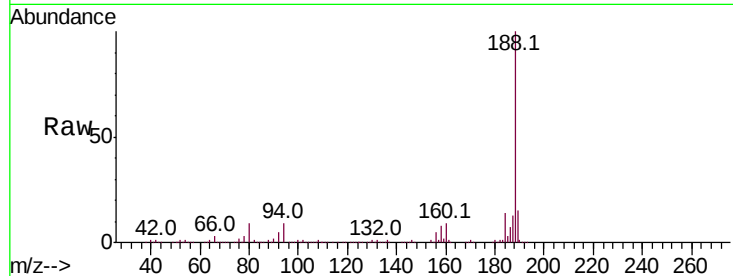




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

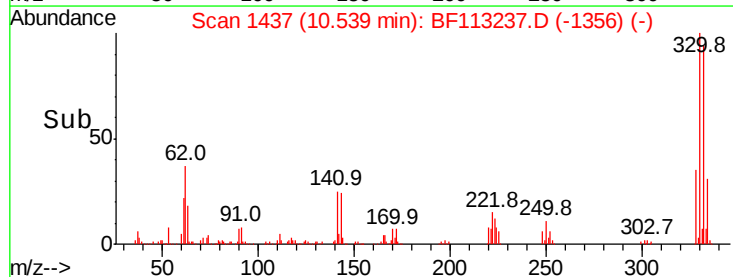
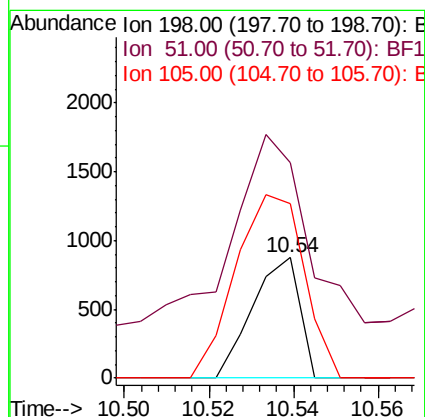
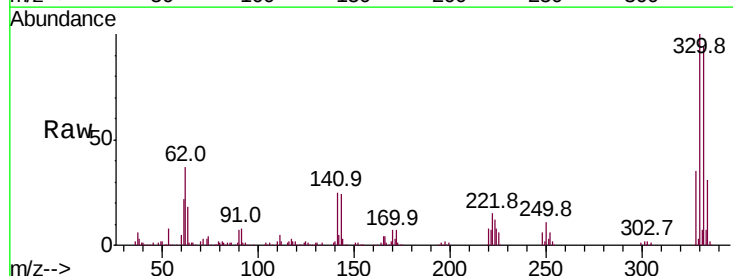
Instrument :
BNA_F
ClientSampleId :

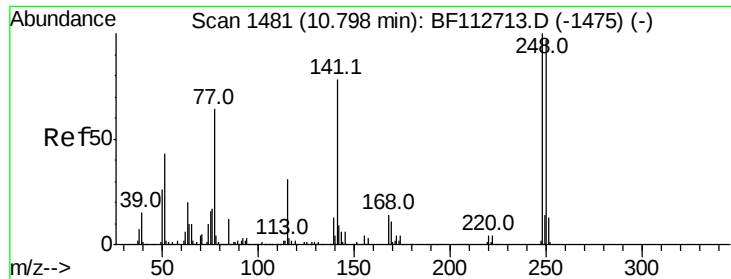
Tot Ion:188 Resp: 534945
Ion Ratio Lower Upper
188 100
94 9.1 9.0 13.4
80 9.2 9.2 13.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.892 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Tgt Ion:198 Resp: 680
Ion Ratio Lower Upper
198 100
51 179.0 43.8 83.8#
105 144.7 36.5 76.5#

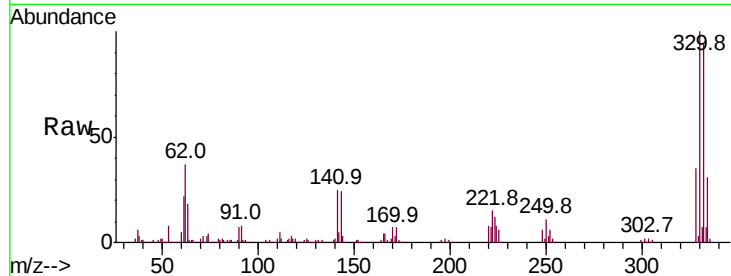




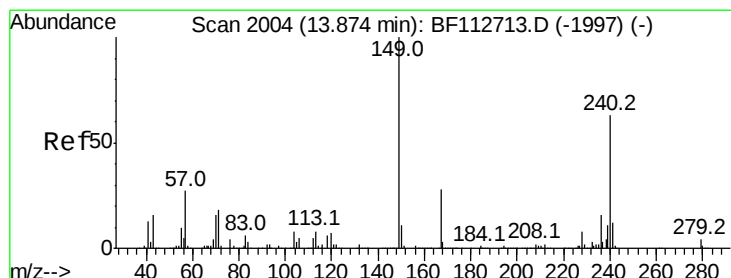
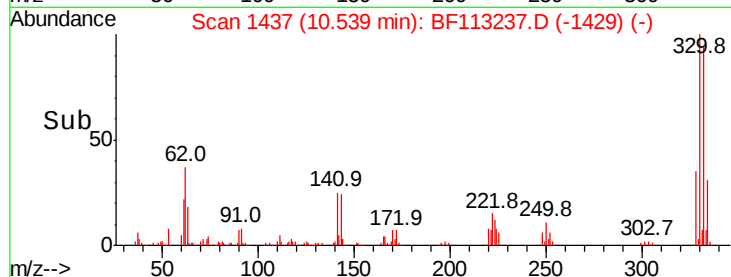
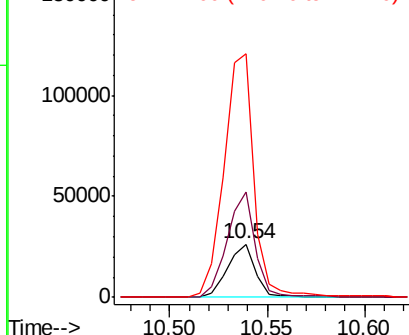
#67
4-Bromophenyl-phenylether
Concen: 4.624 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 26052
Ion Ratio Lower Upper
248 100
250 200.2 77.5 116.3#
141 460.2 62.4 93.6#

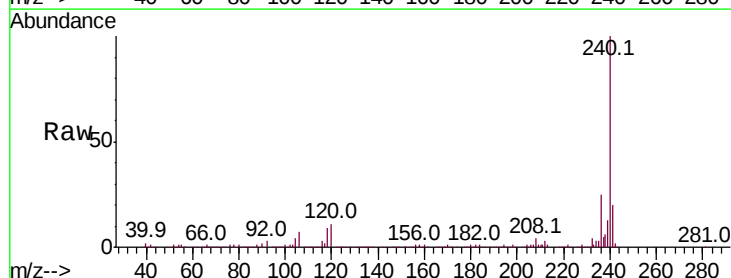


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

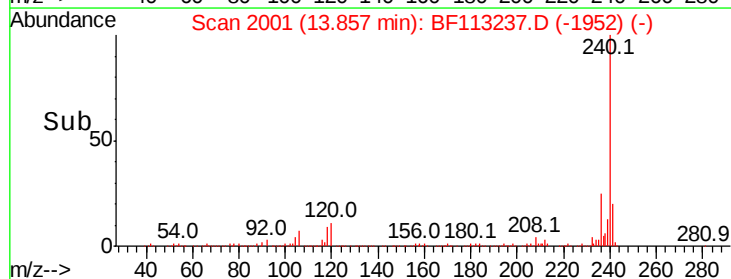
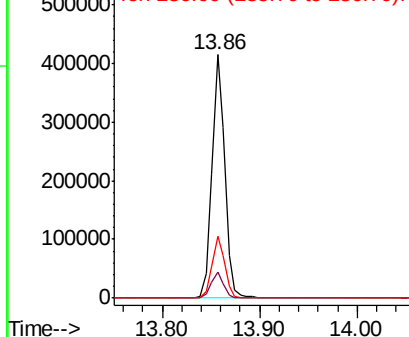


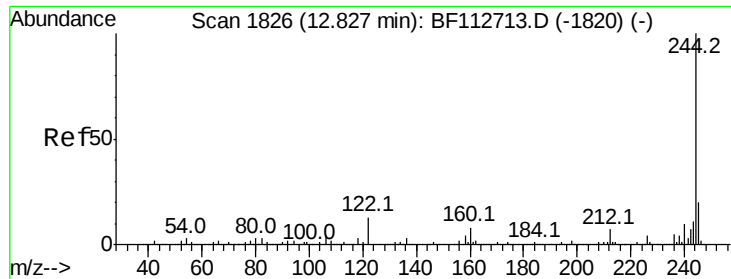
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113237.D
Acq: 22 Mar 2019 16:25

Tgt Ion:240 Resp: 377845
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 25.4 20.7 31.1



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





#79

Terphenyl-d14

Concen: 70.994 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

Instrument :

BNA_F

ClientSampleId :

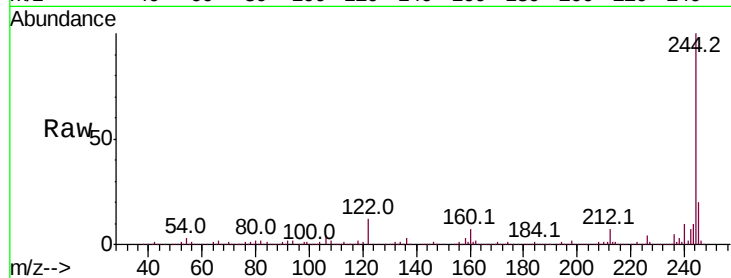
Tot Ion:244 Resp: 1383783

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

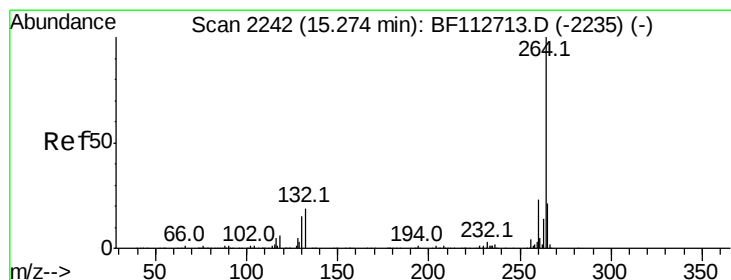
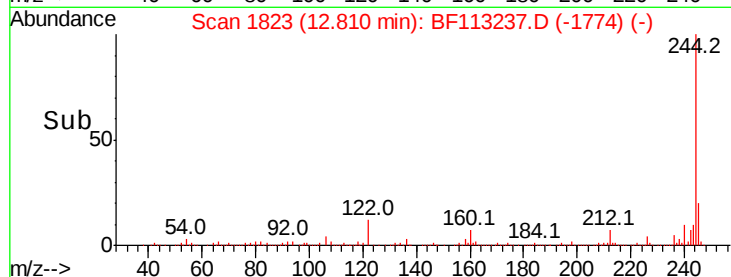
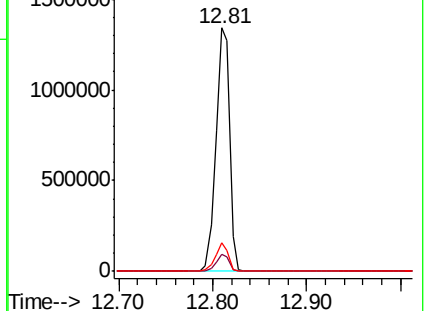
122 11.6 10.5 15.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113237.D

Acq: 22 Mar 2019 16:25

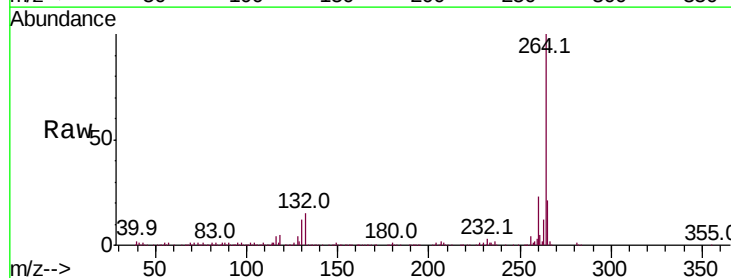
Tgt Ion:264 Resp: 343314

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 20.7 17.2 25.8



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

