

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113245.D
 Acq On : 22 Mar 2019 20:14
 Operator : JU/SJ
 Sample : K1933-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:29:05 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	195837	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	717597	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	369201	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	634852	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	252503	20.00	ng	-0.01
87) Perylene-d12	15.27	264	546410	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1136938	90.31	ng	0.00
7) Phenol-d6	6.37	99	1455463	92.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	896038	74.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	425785	108.63	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1471224	61.35	ng	-0.02
79) Terphenyl-d14	12.81	244	1182990	90.82	ng	-0.01

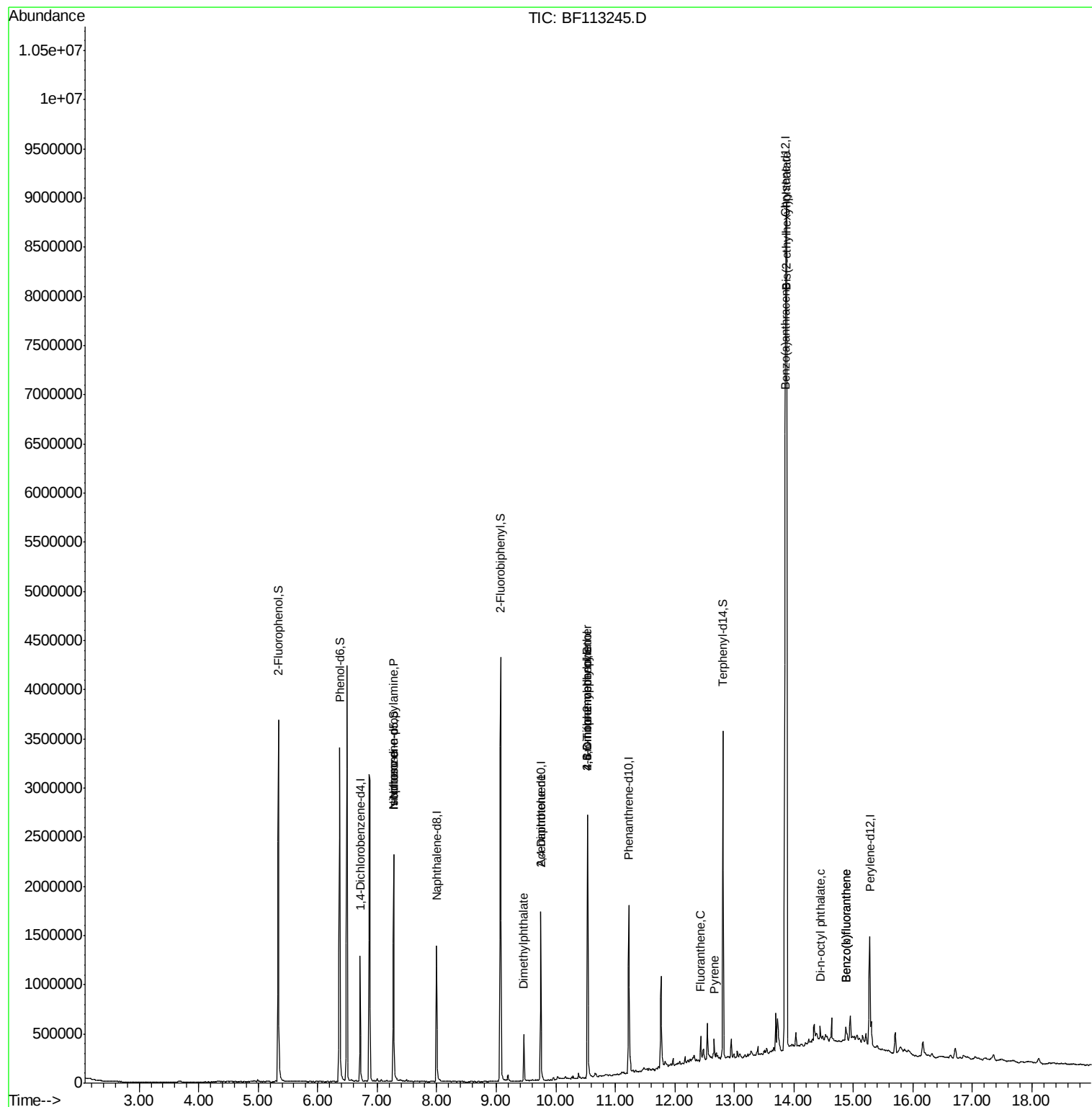
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	119554	11.936	ng	# 76
25) Isophorone	7.27	82	884661	34.242	ng	# 66
50) Dimethylphthalate	9.46	163	213496	7.842	ng	100
57) 2,4-Dinitrotoluene	9.75	165	49000	6.954	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	600	4.821	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	24057	3.598	ng	# 1
75) Fluoranthene	12.44	202	105878	3.129	ng	95
78) Pyrene	12.66	202	86861	4.081	ng	97
81) Benzo(a)anthracene	13.84	228	37002	2.114	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	5299192	480.826	ng	# 97
85) Di-n-octyl phthalate	14.44	149	42647	2.254	ng	# 62
88) Benzo(b)fluoranthene	14.87	252	85223	2.411	ng	# 93
89) Benzo(k)fluoranthene	14.87	252	85223	2.662	ng	# 93

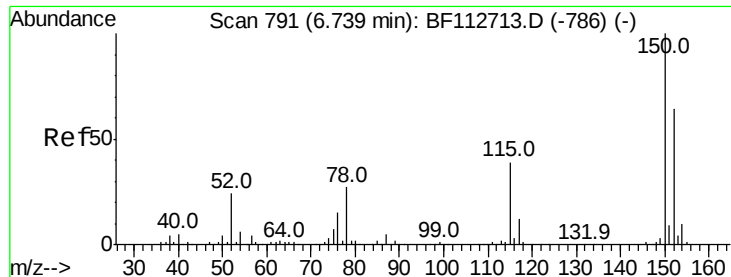
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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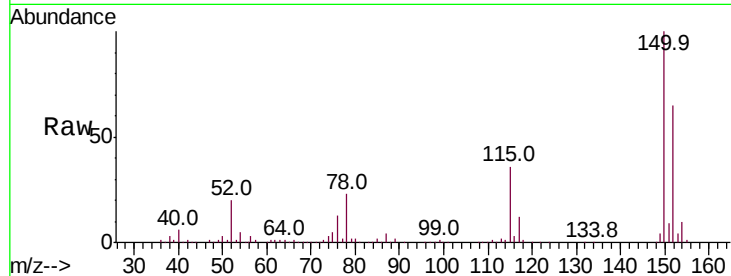


#1

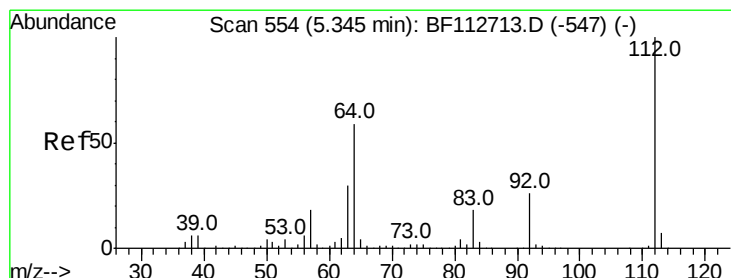
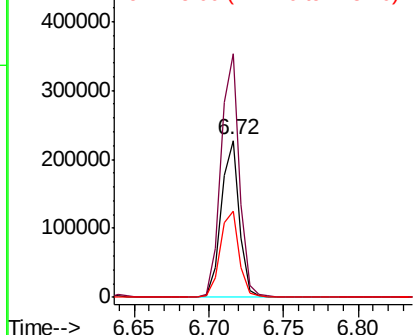
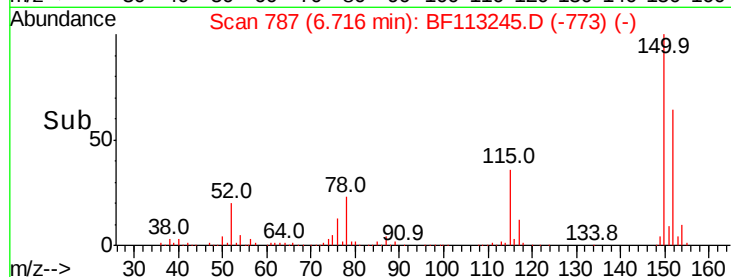
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 195837
Ion Ratio Lower Upper
152 100
150 155.0 124.2 186.2
115 55.2 48.2 72.4



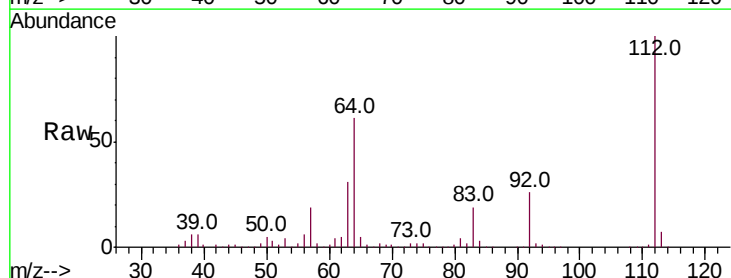
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



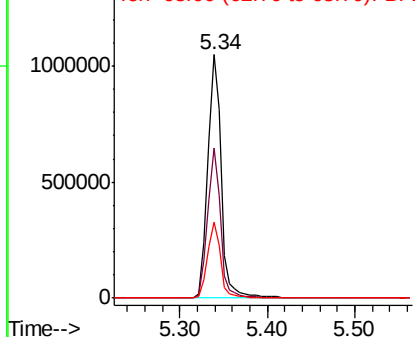
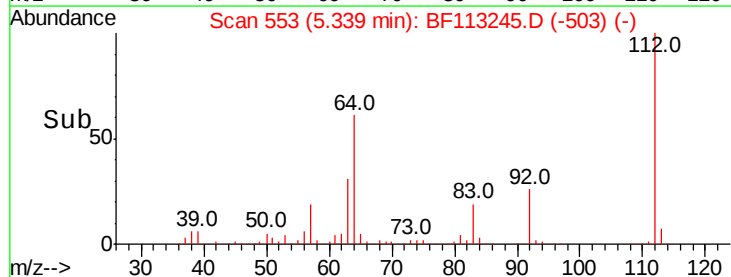
#5

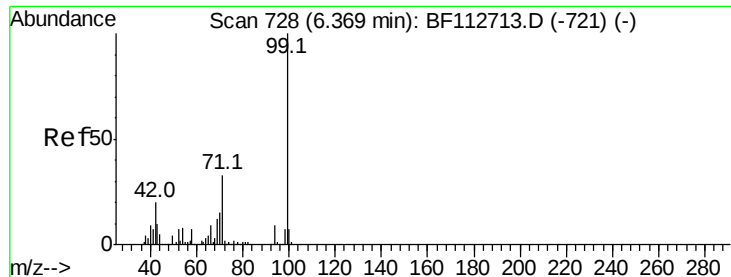
2-Fluorophenol
Concen: 90.308 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion:112 Resp: 1136938
Ion Ratio Lower Upper
112 100
64 61.4 47.6 71.4
63 31.4 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: 92.033 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampleId :

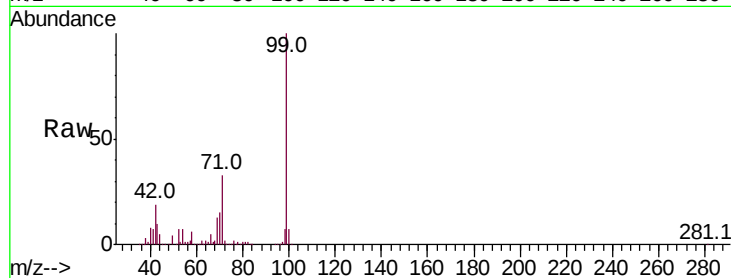
Tot Ion: 99 Resp: 1455463

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

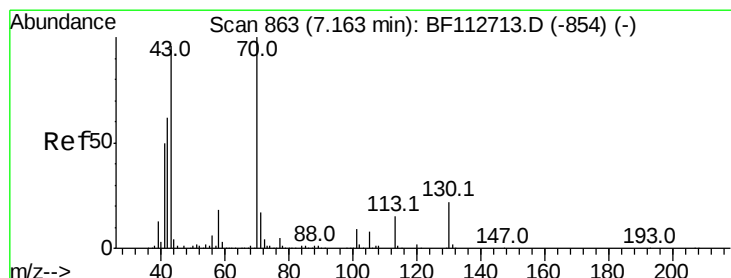
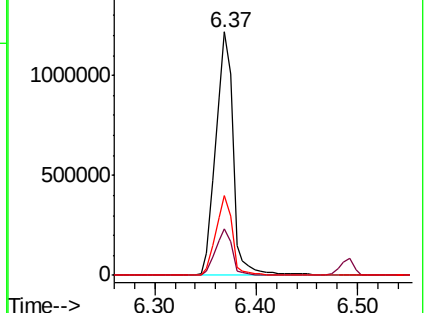
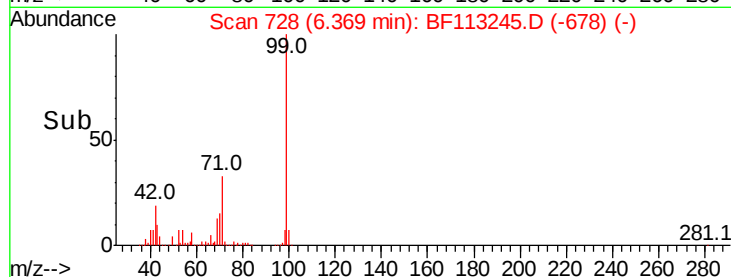
71 32.8 26.2 39.4



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: 11.936 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Tgt Ion: 70 Resp: 119554

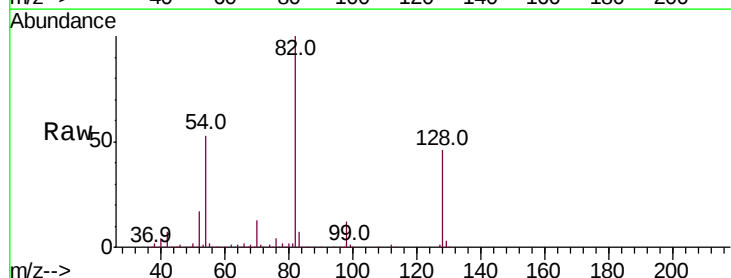
Ion Ratio Lower Upper

70 100

42 48.3 49.9 74.9#

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

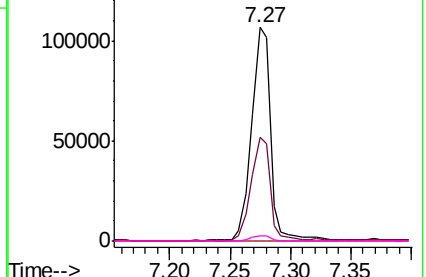
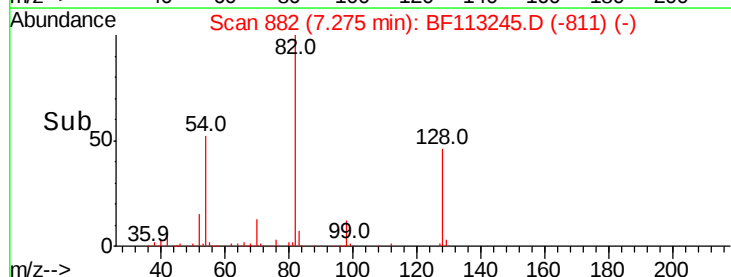


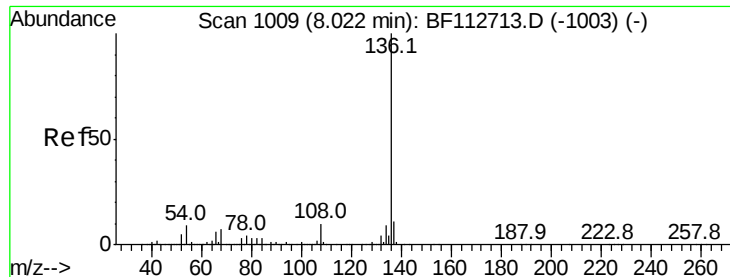
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

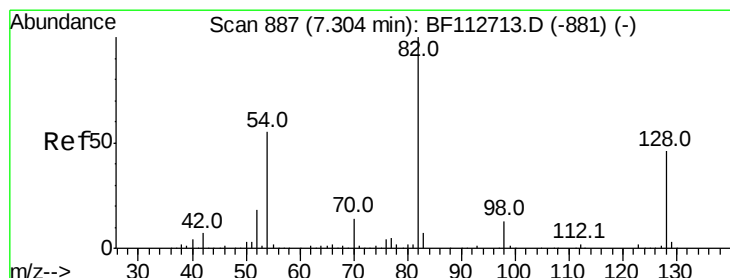
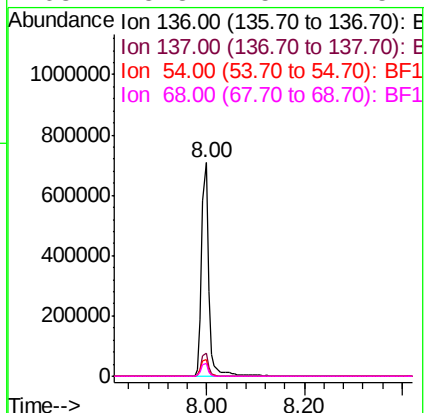
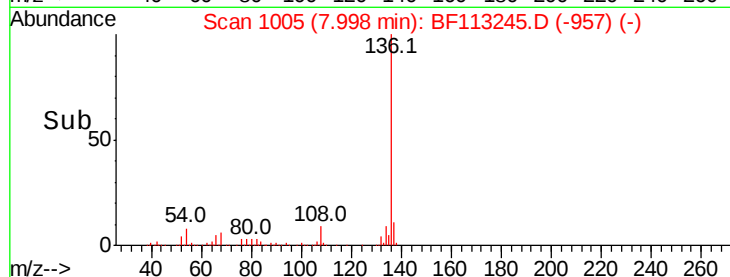
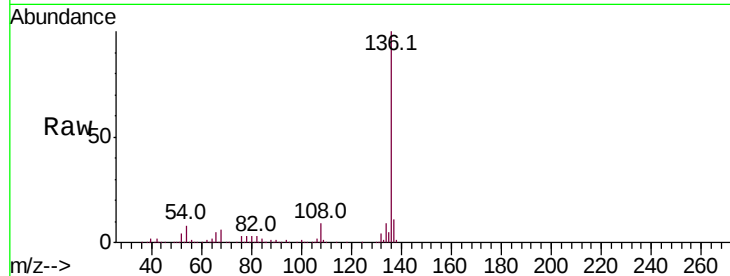




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

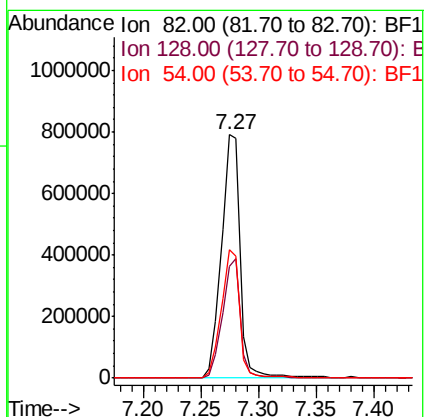
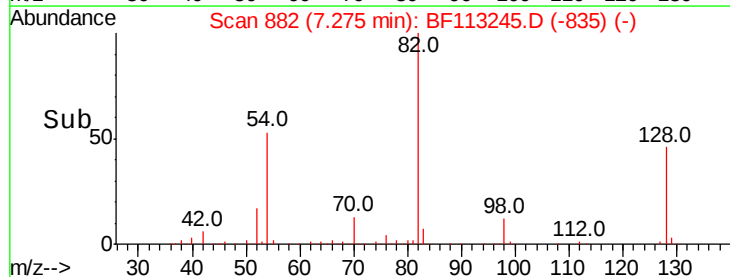
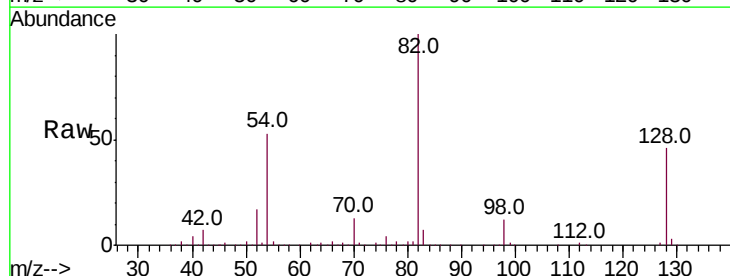
Instrument :
BNA_F
ClientSampleId :

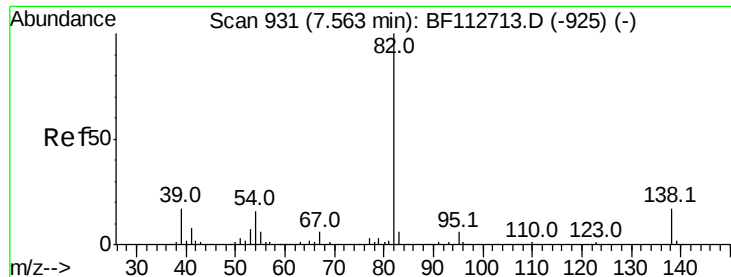
Tot Ion:	136	Resp:	717597
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.7	7.3	10.9
68	5.8	5.4	8.2



#23
Nitrobenzene-d5
Concen: 74.718 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion:	82	Resp:	896038
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	52.8	43.7	65.5





#25

Isophorone

Concen: 34.242 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.28 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampleId :

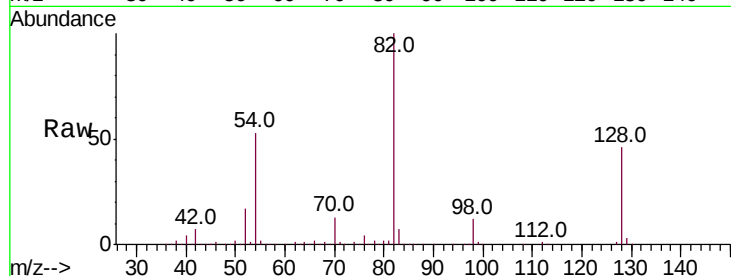
Tot Ion: 82 Resp: 884661

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

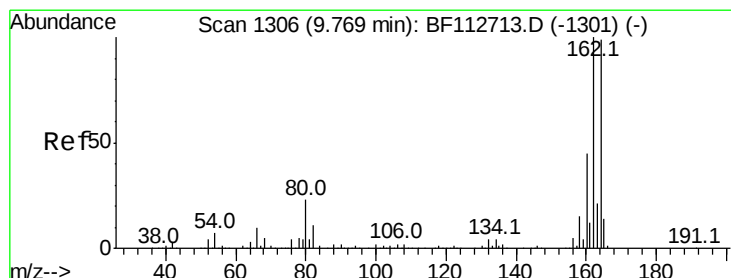
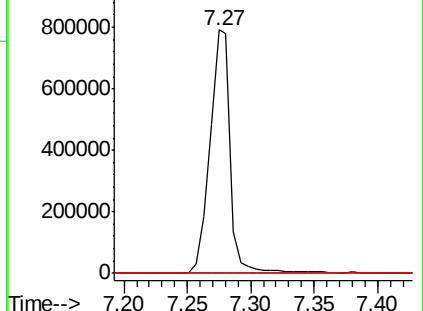
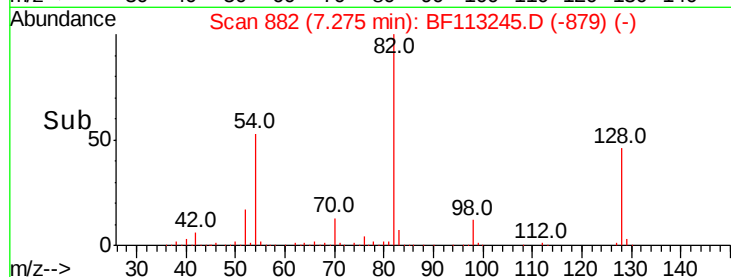
138 0.0 13.8 20.8#



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: BF113245.D

Acq: 22 Mar 2019 20:14

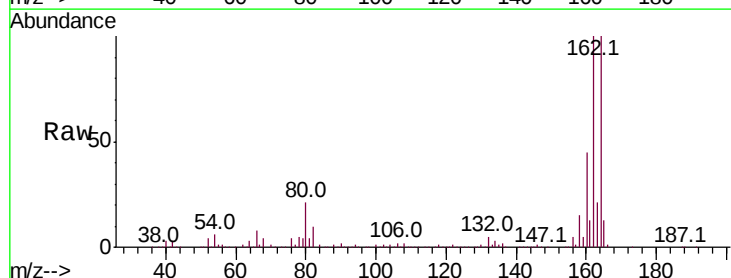
Tgt Ion:164 Resp: 369201

Ion Ratio Lower Upper

164 100

162 99.7 80.6 120.8

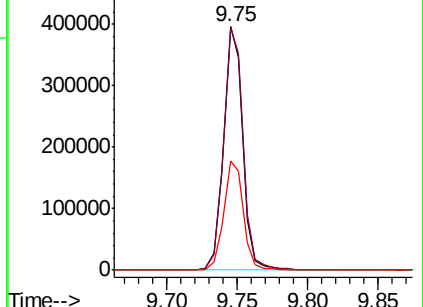
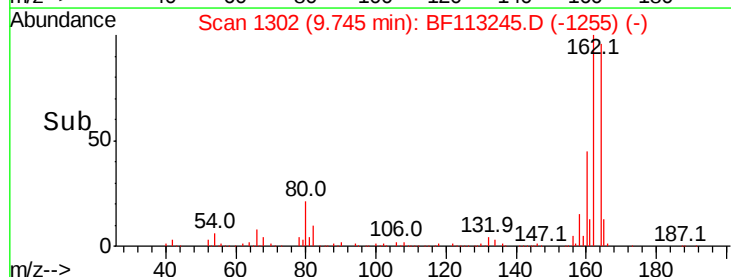
160 44.8 36.0 54.0

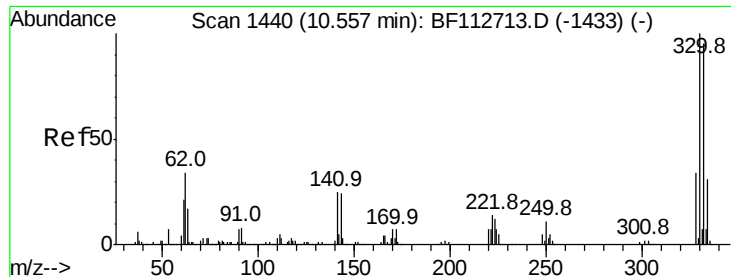


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

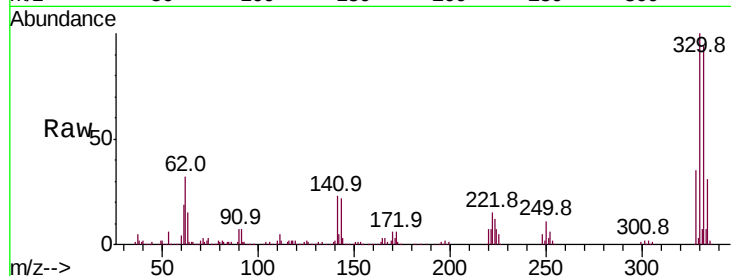




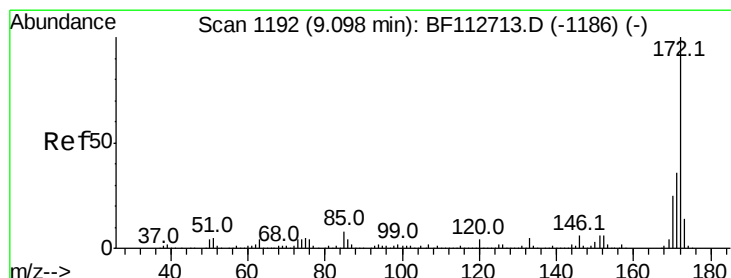
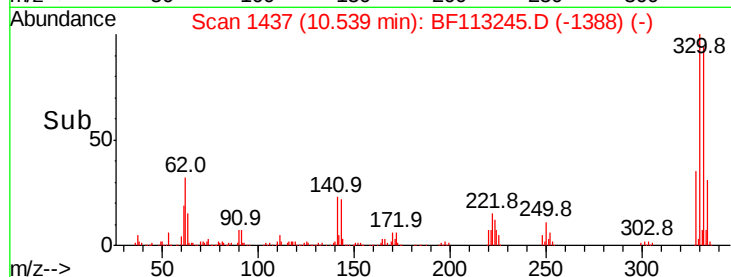
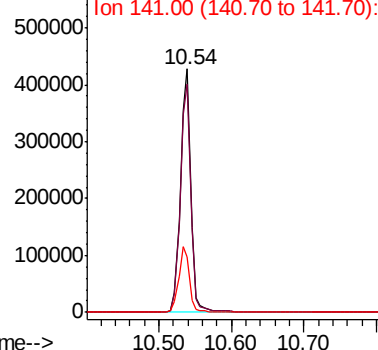
#42
 2,4,6-Tribromophenol
 Concen: 108.632 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113245.D
 Acq: 22 Mar 2019 20:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 425785
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 27.9 27.0 40.6

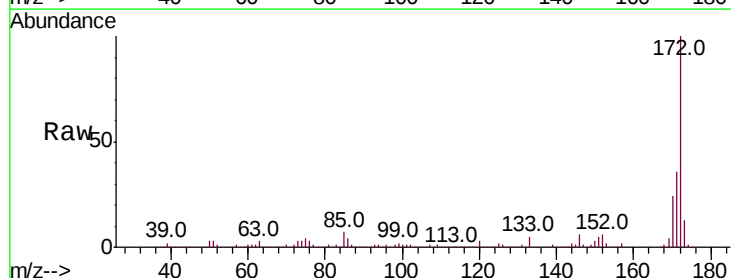


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

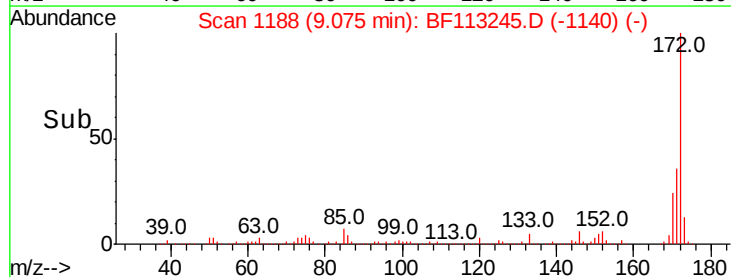
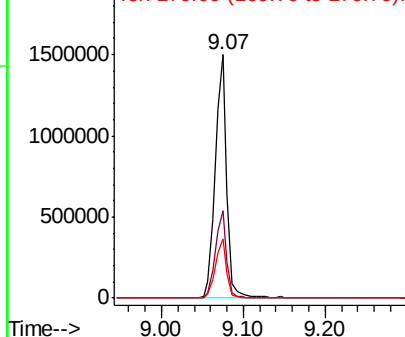


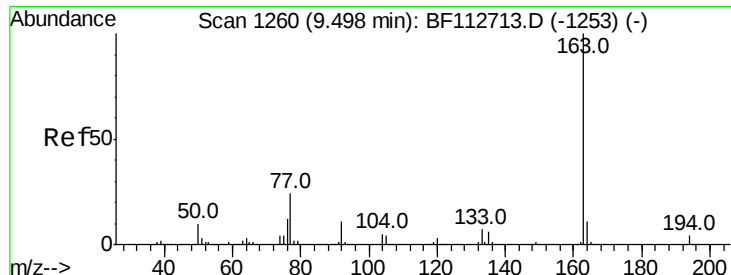
#45
 2-Fluorobiphenyl
 Concen: 61.351 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113245.D
 Acq: 22 Mar 2019 20:14

Tgt Ion:172 Resp: 1471224
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

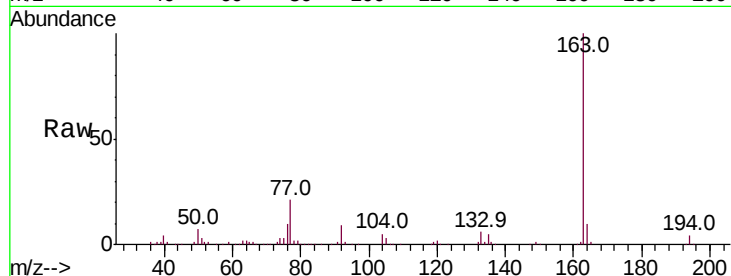




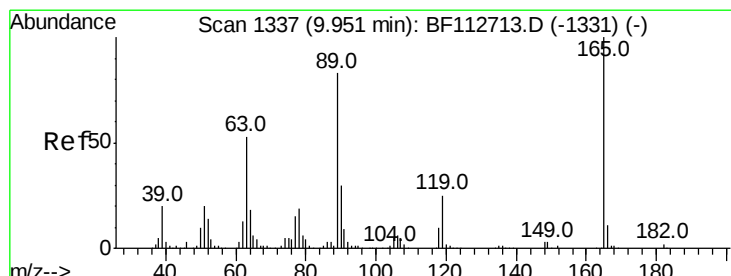
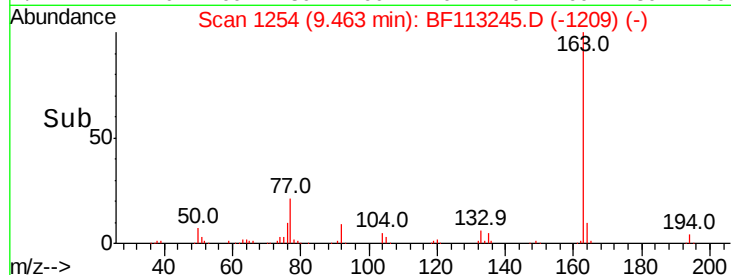
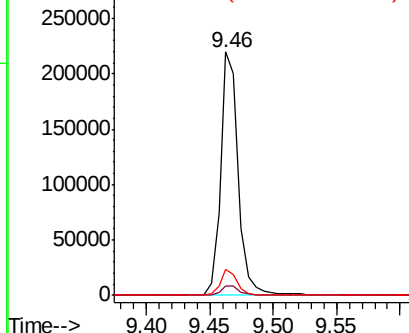
#50
Dimethylphthalate
Concen: 7.842 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	163	Resp:	213496
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.5	8.4	12.6

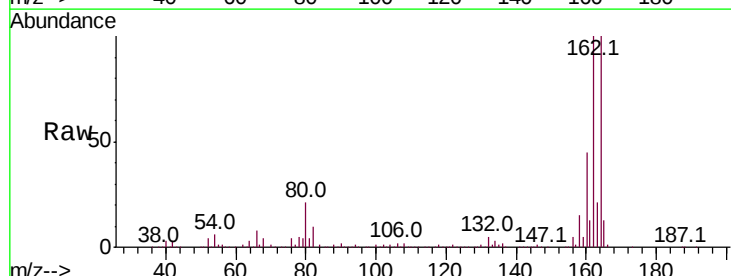


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

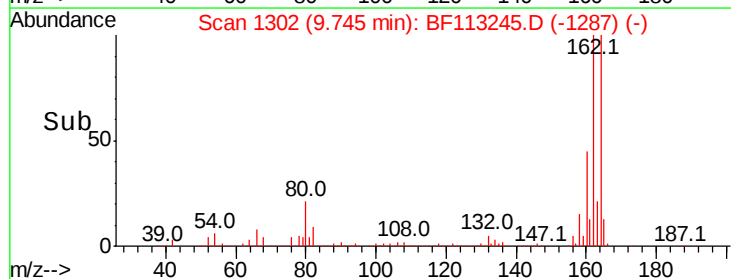
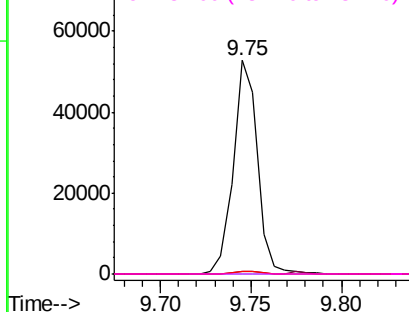


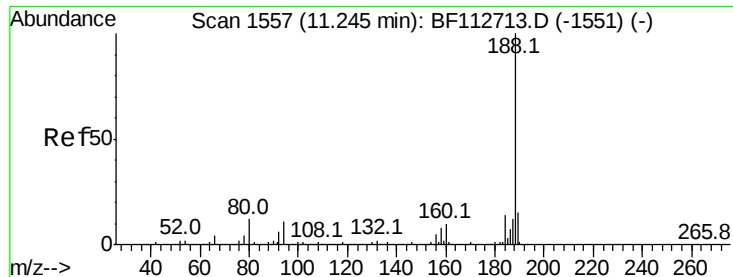
#57
2,4-Dinitrotoluene
Concen: 6.954 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion:	165	Resp:	49000
Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.3	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: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampled :

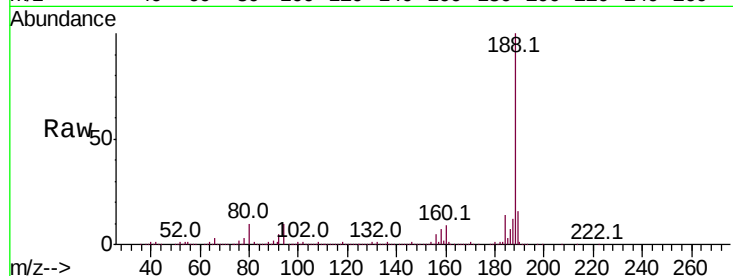
Tot Ion:188 Resp: 634852

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

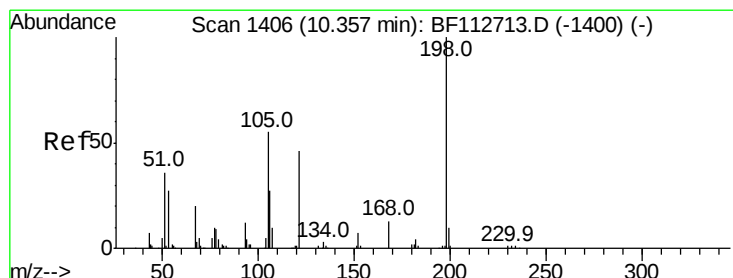
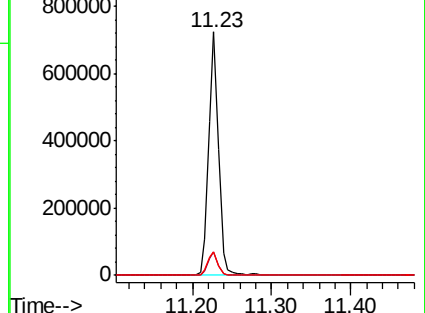
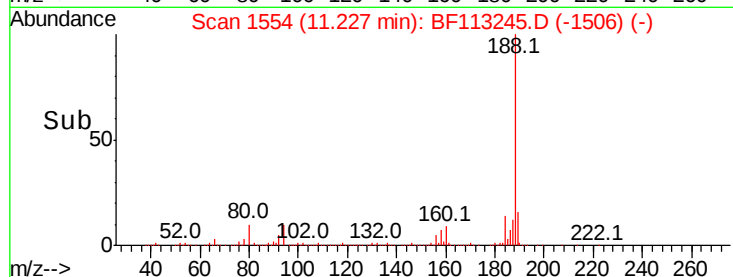
80 9.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.821 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

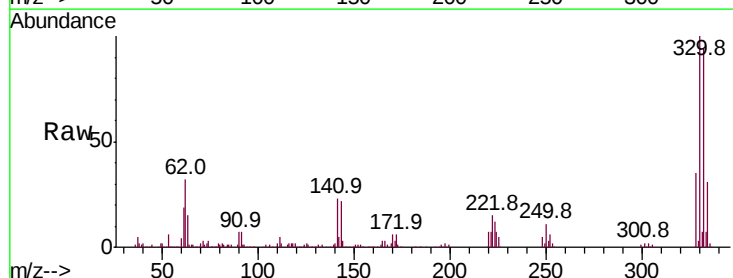
Tgt Ion:198 Resp: 600

Ion Ratio Lower Upper

198 100

51 182.8 43.8 83.8#

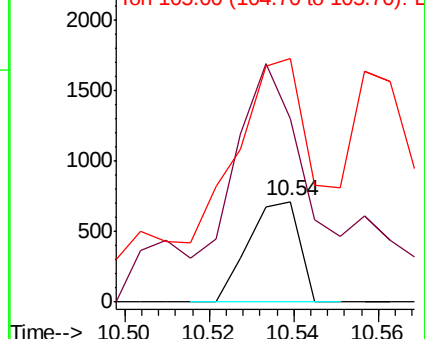
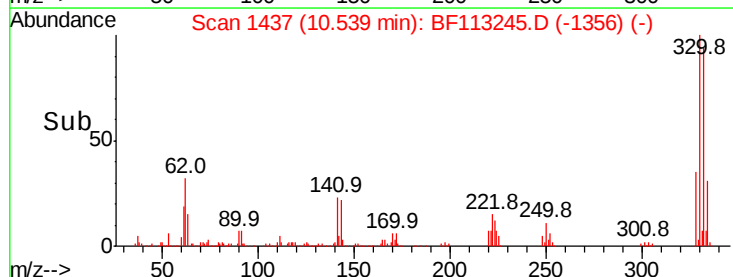
105 242.3 36.5 76.5#

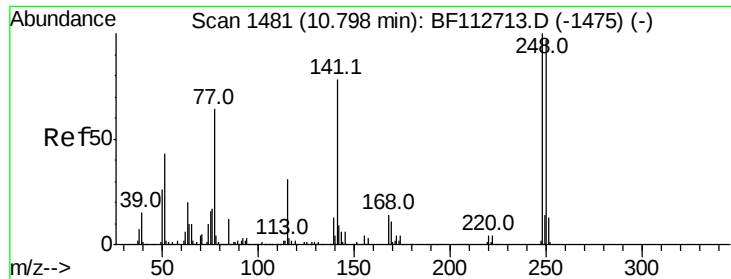


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

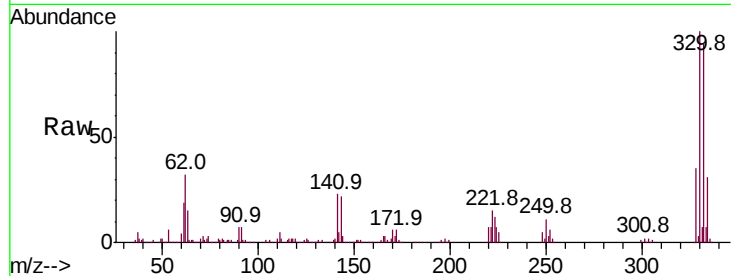




#67
4-Bromophenyl-phenylether
Concen: 3.598 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.5	77.5	116.3#
141	423.3	62.4	93.6#

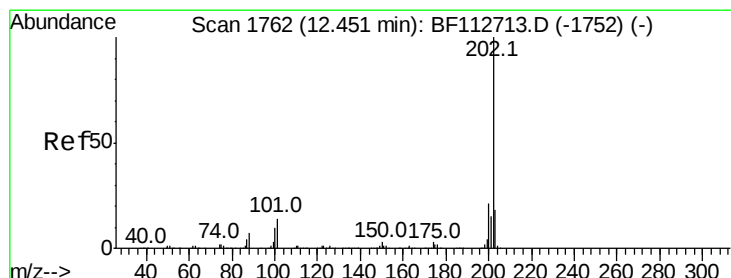
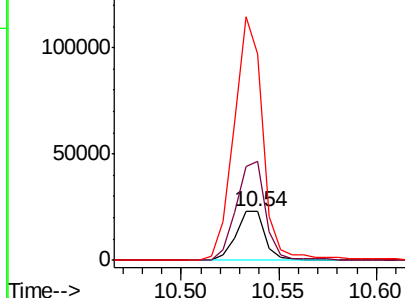
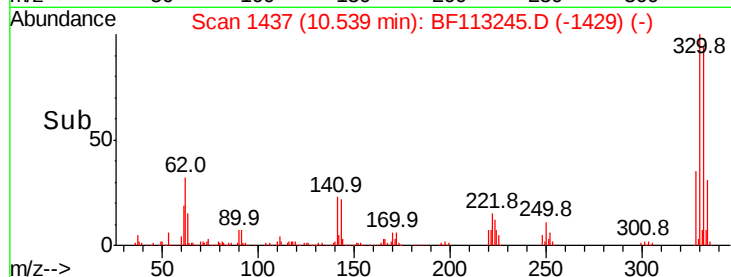


Abundance

Ion 248.00 (247.70 to 248.70): E

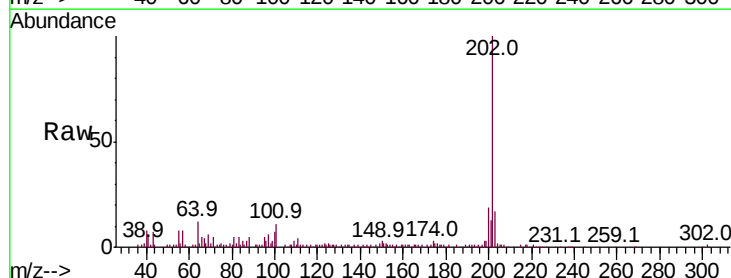
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Fluoranthene
Concen: 3.129 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.8
203	17.4	0.0	38.4

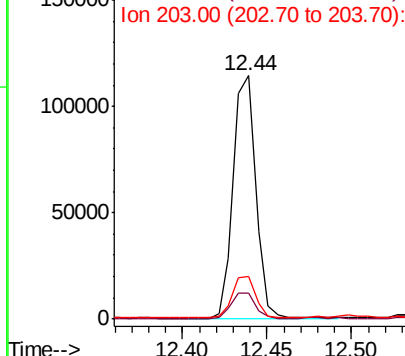
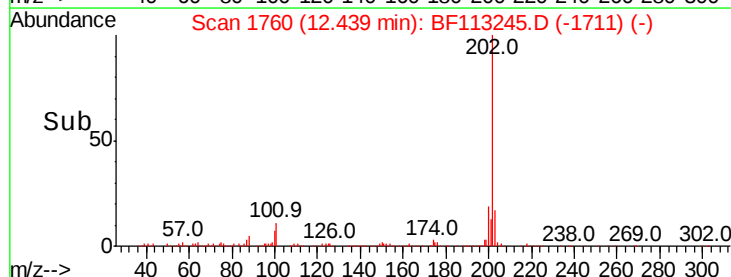


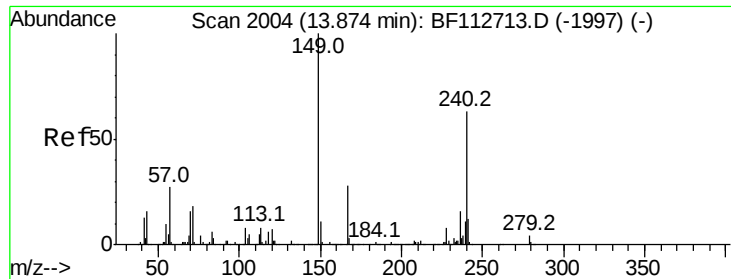
Abundance

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

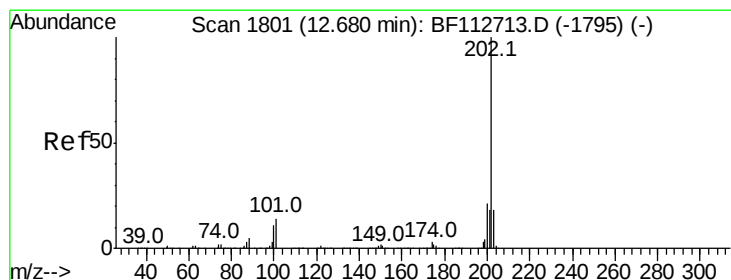
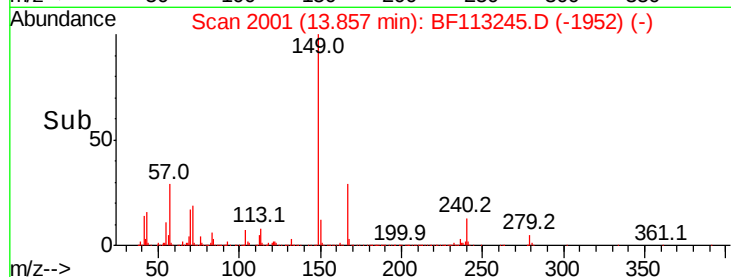
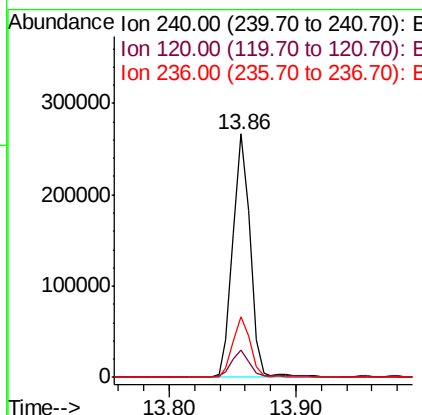
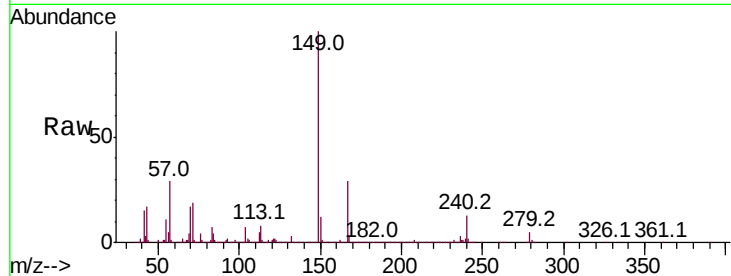




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

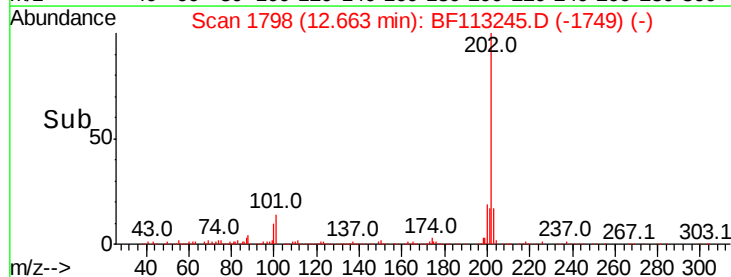
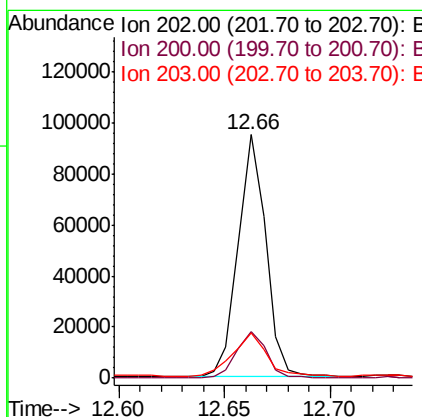
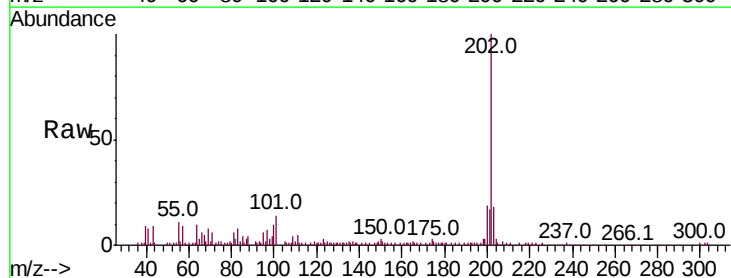
Instrument :
BNA_F
ClientSampleId :

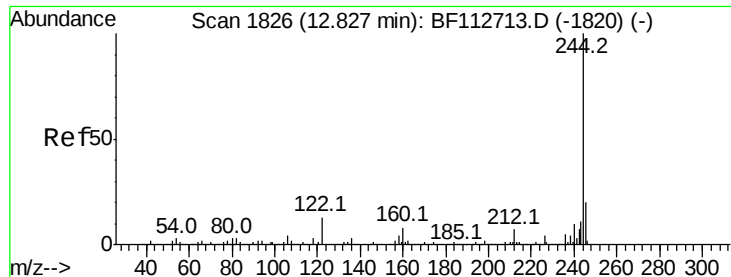
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	24.7	20.7	31.1



#78
Pyrene
Concen: 4.081 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.0	25.4
203	18.5	14.4	21.6





#79

Terphenyl-d14

Concen: 90.820 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampleId :

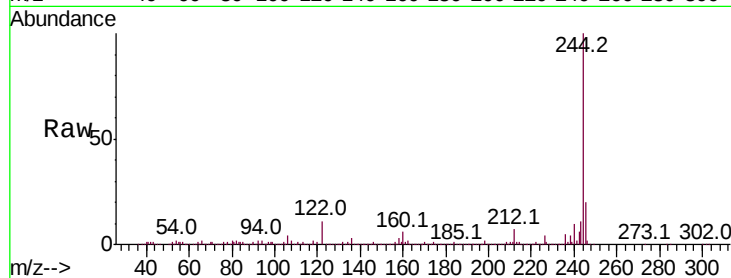
Tot Ion:244 Resp: 1182990

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

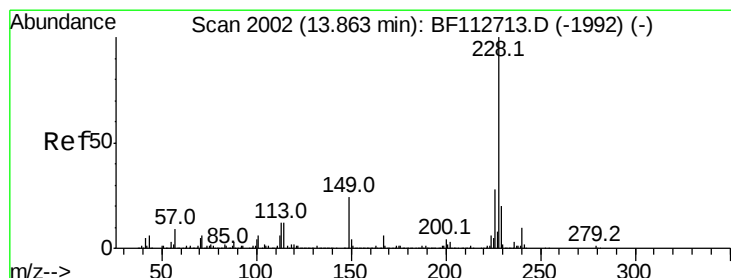
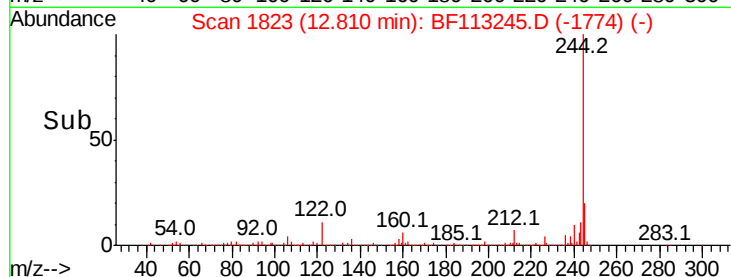
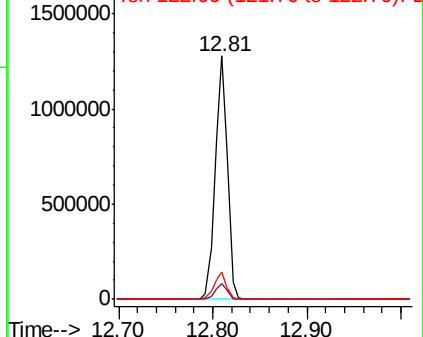
122 11.1 10.5 15.7



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



#81

Benzo(a)anthracene

Concen: 2.114 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

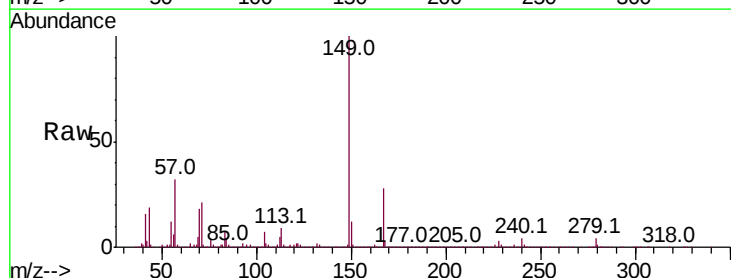
Tgt Ion:228 Resp: 37002

Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.4

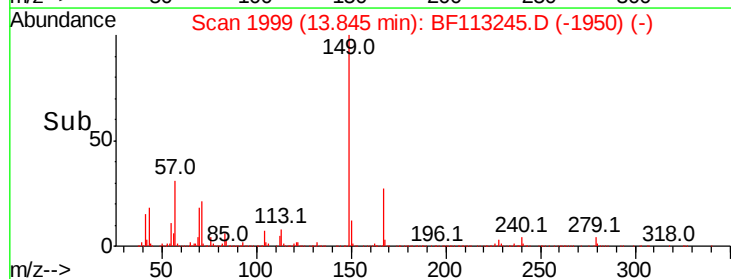
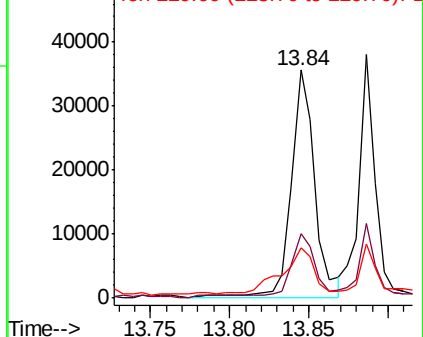
229 22.2 16.0 24.0

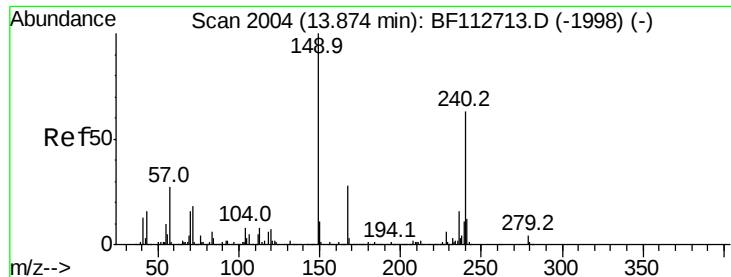


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 480.826 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.02 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampleId :

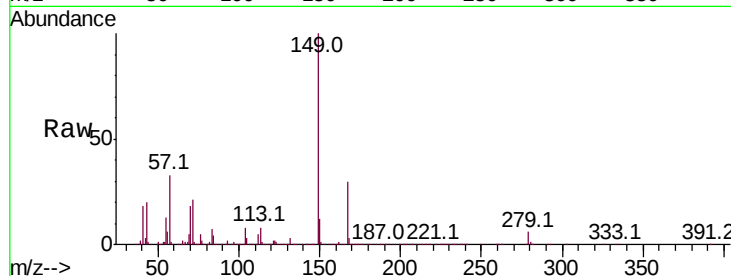
Tot Ion:149 Resp: 5299192

Ion Ratio Lower Upper

149 100

167 29.5 22.4 33.6

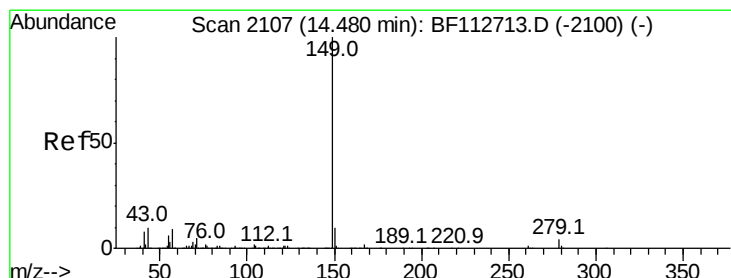
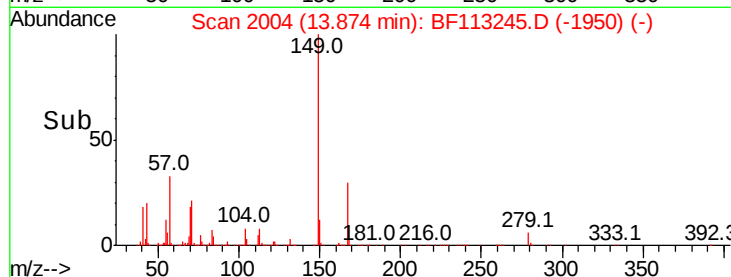
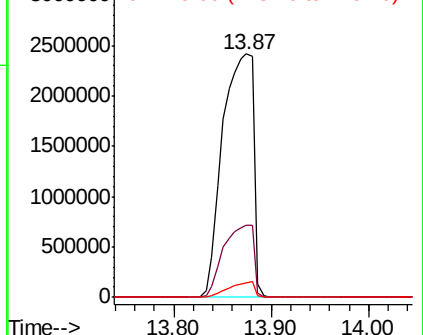
279 6.0 3.3 4.9#



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



#85

Di-n-octyl phthalate

Concen: 2.254 ng

RT: 14.44 min Scan# 2101

Delta R.T. -0.02 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

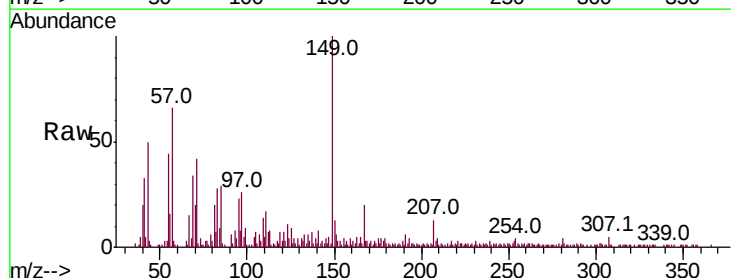
Tgt Ion:149 Resp: 42647

Ion Ratio Lower Upper

149 100

167 17.5 1.2 1.8#

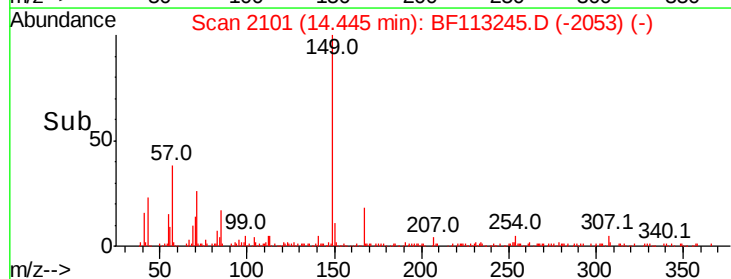
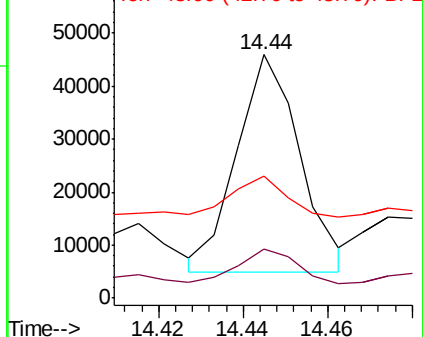
43 25.4 9.0 13.4#

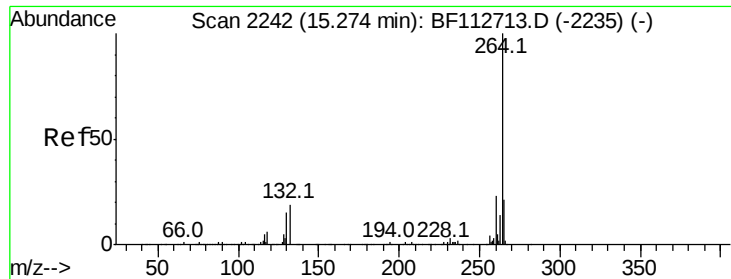


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



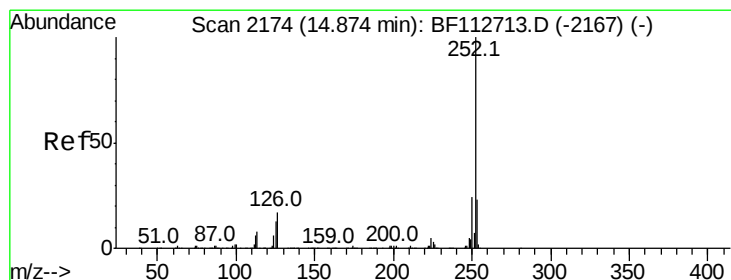
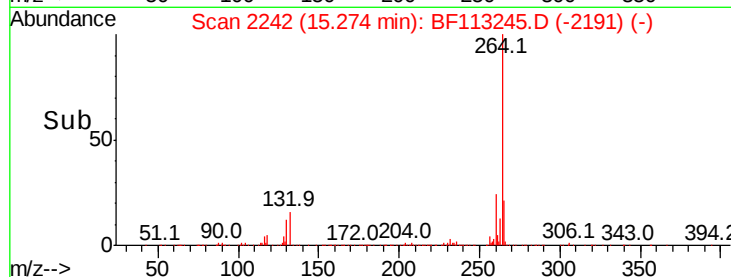
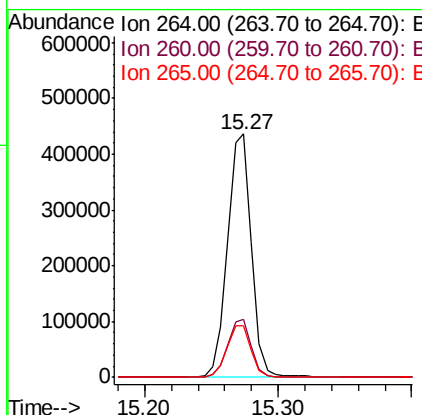
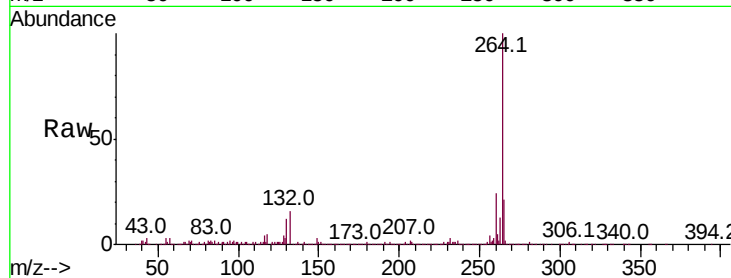


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 546410

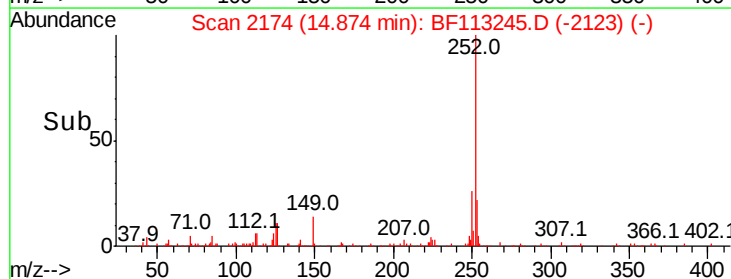
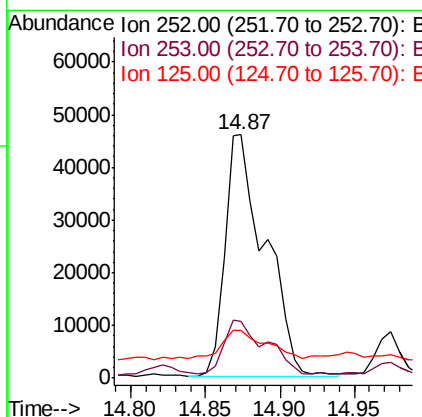
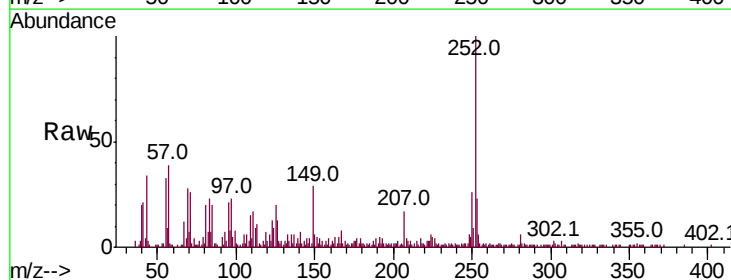
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.0	17.2	25.8

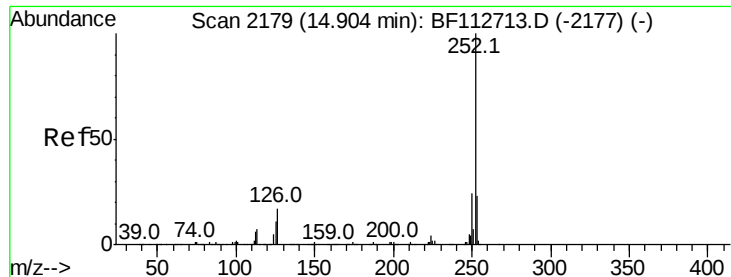


#88
Benzo(b)fluoranthene
Concen: 2.411 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113245.D
Acq: 22 Mar 2019 20:14

Tgt Ion:252 Resp: 85223

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	19.5	10.2	15.2#





#89

Benzo(k)fluoranthene

Concen: 2.662 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF113245.D

Acq: 22 Mar 2019 20:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 85223

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

125 19.5 9.8 14.6#

