

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112800.D
 Acq On : 1 Mar 2019 15:27
 Operator : JU/SJ
 Sample : K1655-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 200029

Quant Time: Mar 01 21:57:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	222624	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	827532	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	359385	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	576771	20.00	ng	0.00
76) Chrysene-d12	13.87	240	469508	20.00	ng	0.00
87) Perylene-d12	15.29	264	508609	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1199914	83.84	ng	0.01
7) Phenol-d6	6.38	99	1524781	84.81	ng	0.01
23) Nitrobenzene-d5	7.30	82	919189	66.47	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	350947	91.98	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1482453	64.04	ng	0.00
79) Terphenyl-d14	12.83	244	1095800	45.24	ng	0.00

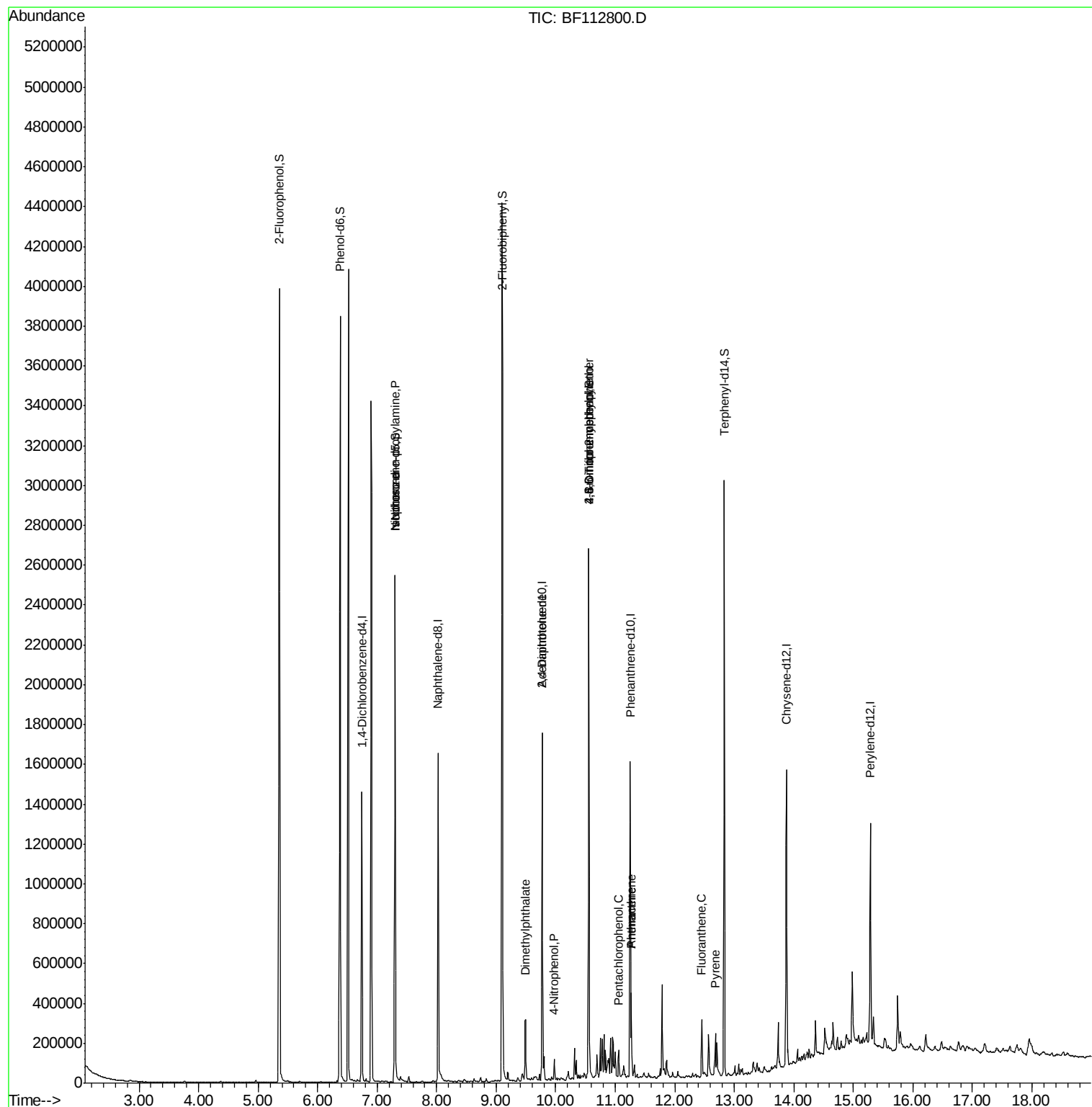
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	121900	10.706	ng	# 76
25) Isophorone	7.30	82	903256	30.317	ng	# 66
50) Dimethylphthalate	9.49	163	138968	5.244	ng	99
56) 4-Nitrophenol	9.97	139	11713	2.143	ng	# 8
57) 2,4-Dinitrotoluene	9.77	165	46941	6.843	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	393	4.763	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	19527	3.214	ng	# 1
70) Pentachlorophenol	11.06	266	16498	4.093	ng	96
71) Phenanthrene	11.27	178	156401	5.450	ng	99
72) Anthracene	11.27	178	156401	5.207	ng	99
75) Fluoranthene	12.45	202	120149	3.908	ng	97
78) Pyrene	12.68	202	80885	2.044	ng	97

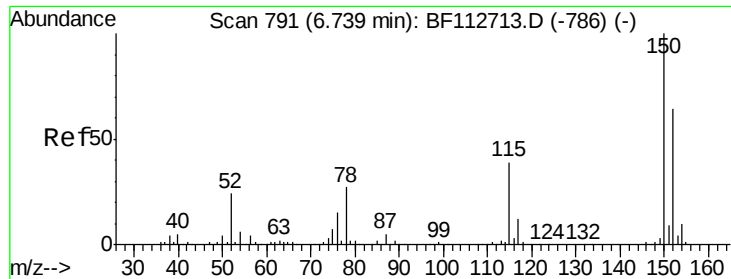
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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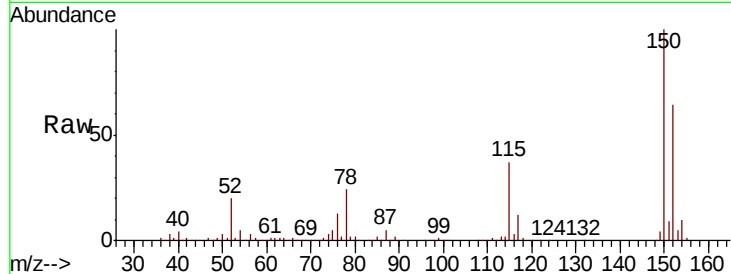


#1

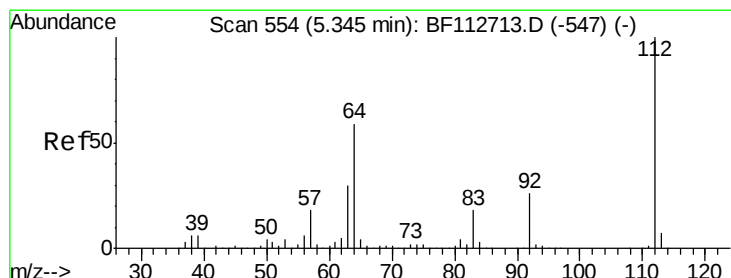
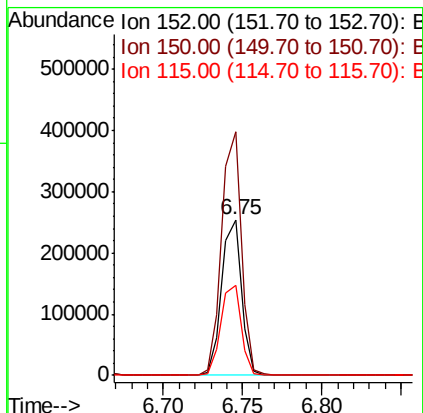
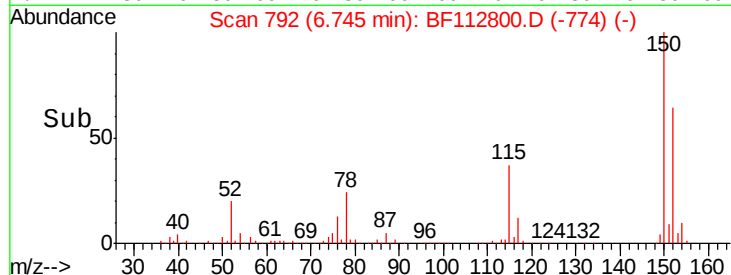
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

Instrument :
BNA_F
ClientSampleId :
200029

Tgt Ion:152 Resp: 222624
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 57.6 48.2 72.4



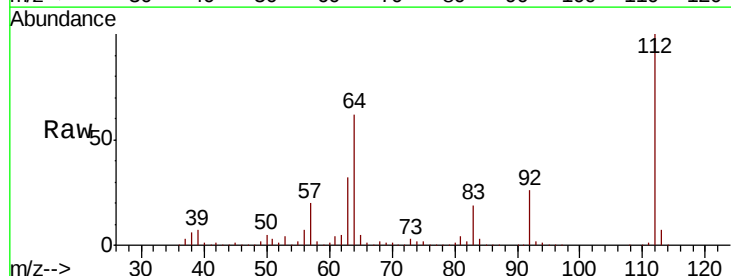
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



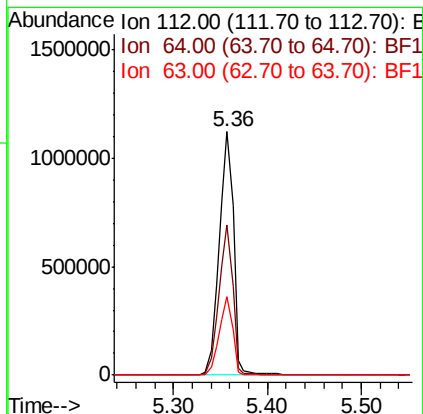
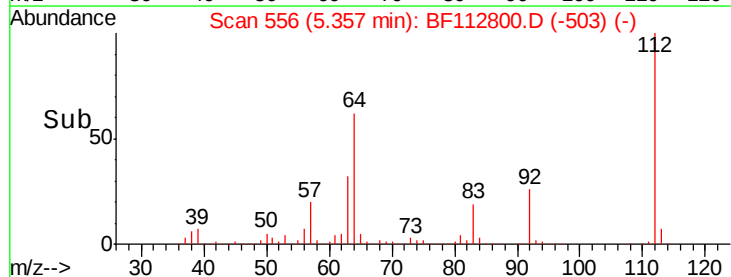
#5

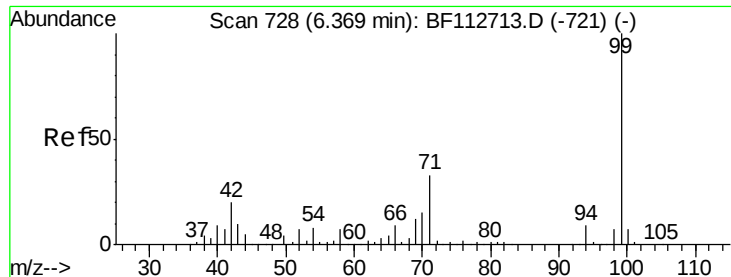
2-Fluorophenol
Concen: 83.842 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

Tgt Ion:112 Resp: 1199914
Ion Ratio Lower Upper
112 100
64 61.7 47.6 71.4
63 32.0 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: 84.815 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

Instrument :

BNA_F

ClientSampleId :

200029

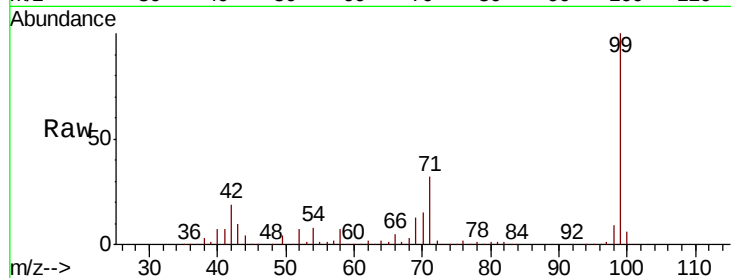
Tgt Ion: 99 Resp: 1524781

Ion Ratio Lower Upper

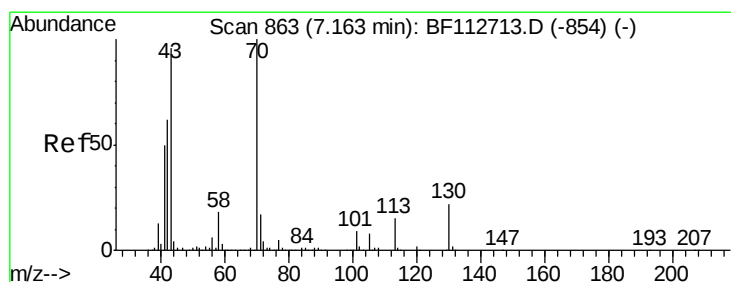
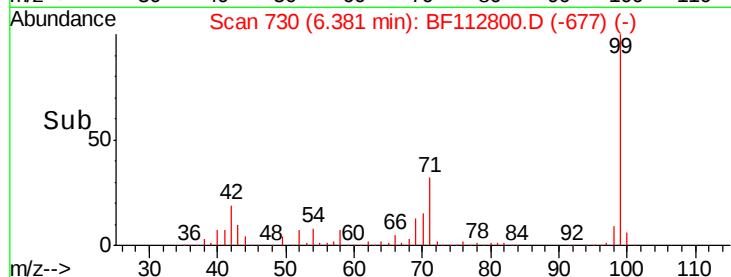
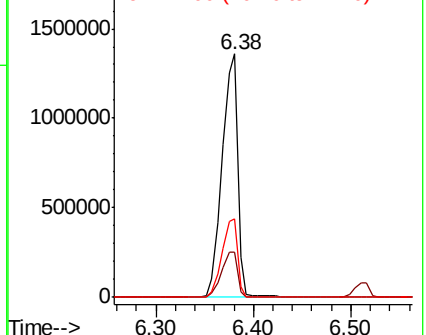
99 100

42 18.7 16.3 24.5

71 32.3 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: 10.706 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

Tgt Ion: 70 Resp: 121900

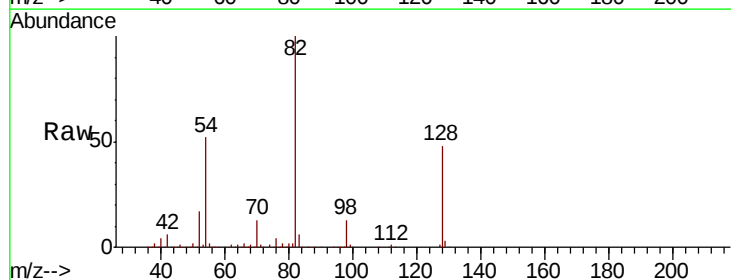
Ion Ratio Lower Upper

70 100

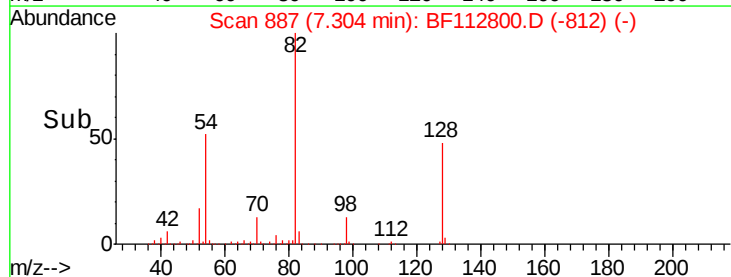
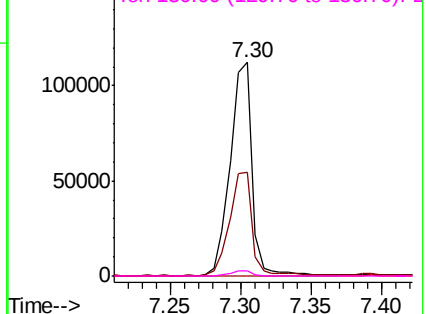
42 48.6 49.9 74.9#

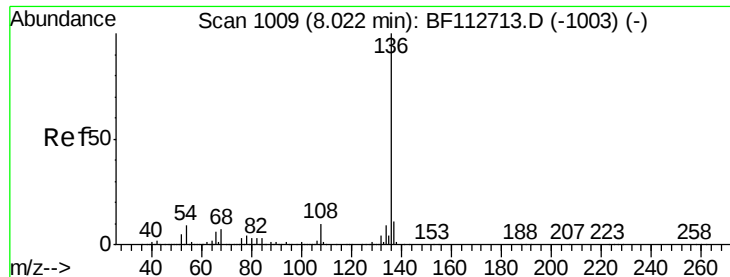
101 0.0 7.4 11.2#

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

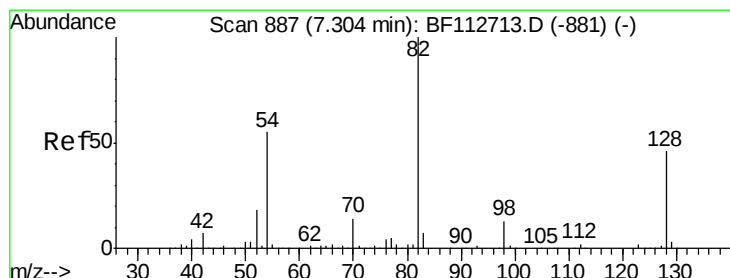
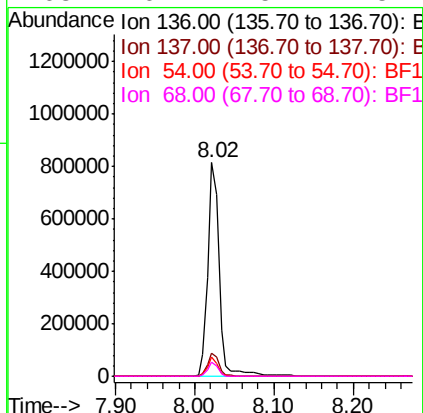
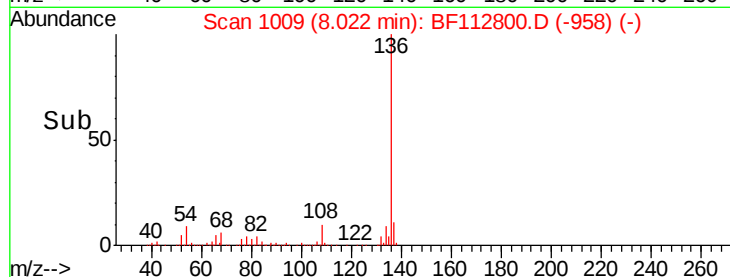
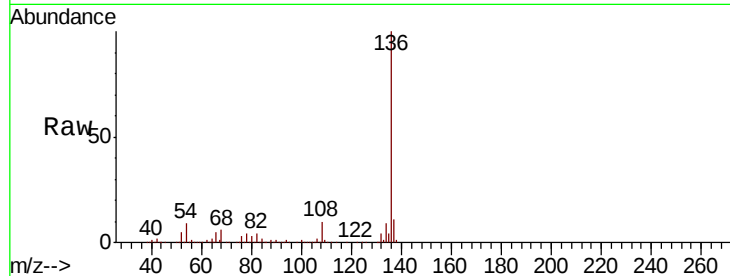




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

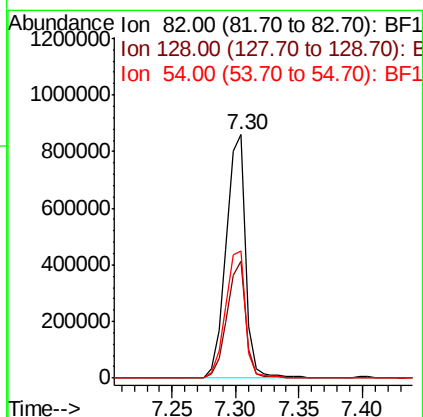
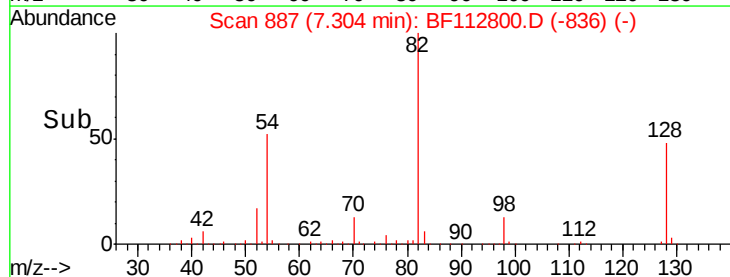
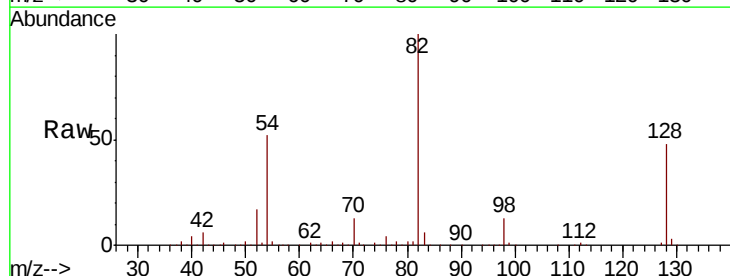
Instrument :
BNA_F
ClientSampleId :
200029

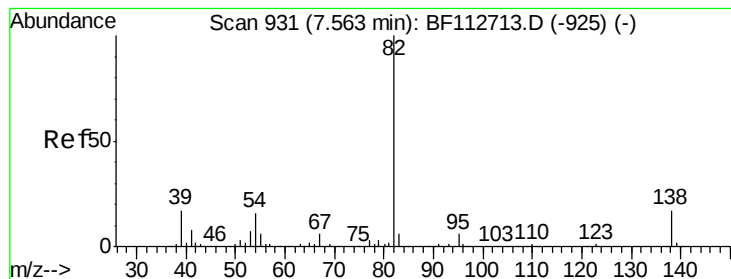
Tgt Ion:	136	Resp:	827532
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	7.3	10.9
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 66.466 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

Tgt Ion:	82	Resp:	919189
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	52.3	43.7	65.5





#25

Isophorone

Concen: 30.317 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.26 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

Instrument :

BNA_F

ClientSampleId :

200029

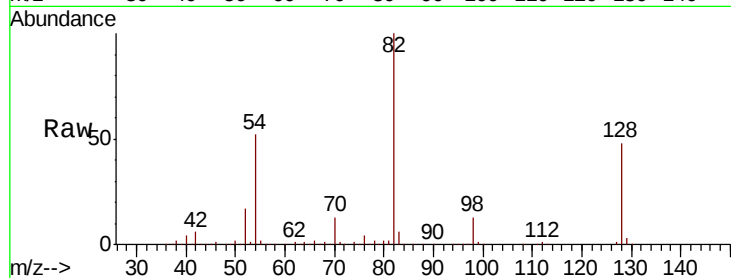
Tgt Ion: 82 Resp: 903256

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

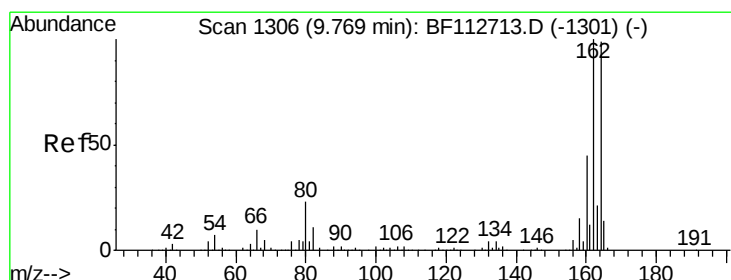
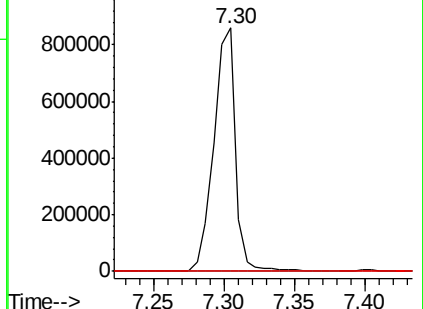
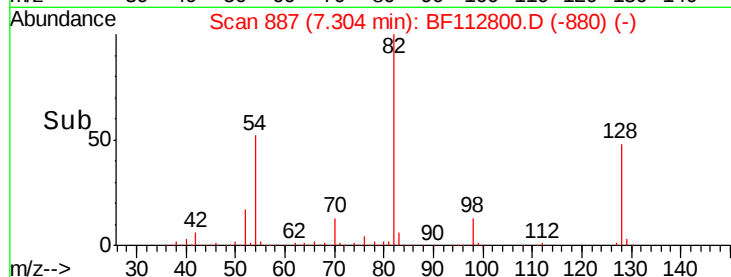
138 0.0 13.8 20.8#



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: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

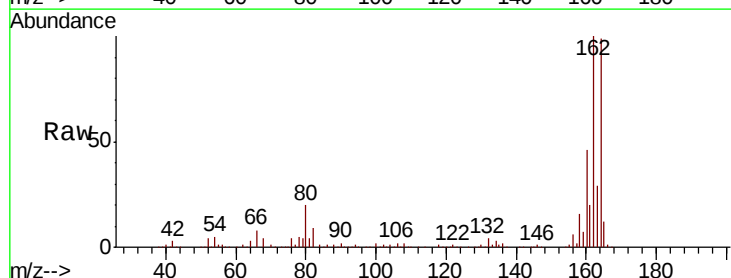
Tgt Ion: 164 Resp: 359385

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

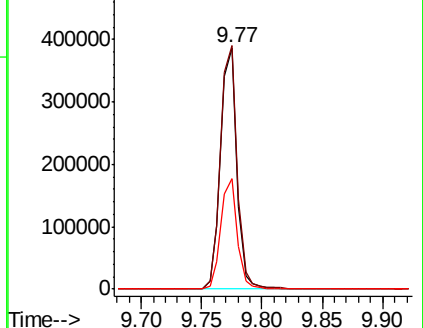
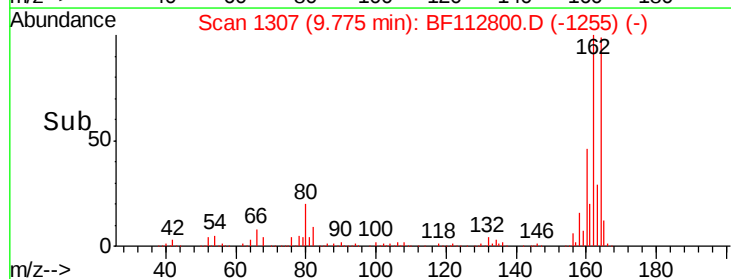
160 46.0 36.0 54.0

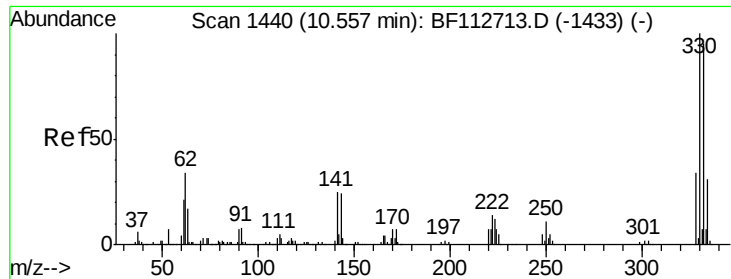


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

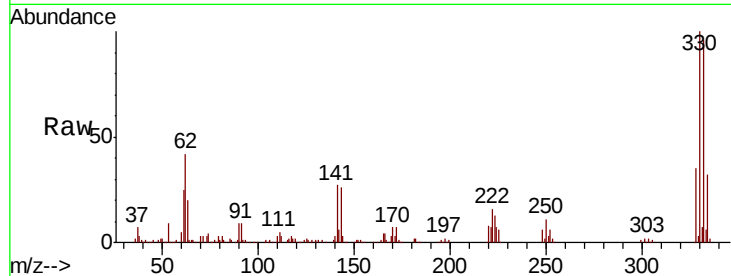




#42
 2,4,6-Tribromophenol
 Concen: 91.984 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :
 200029

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	29.5	27.0	40.6

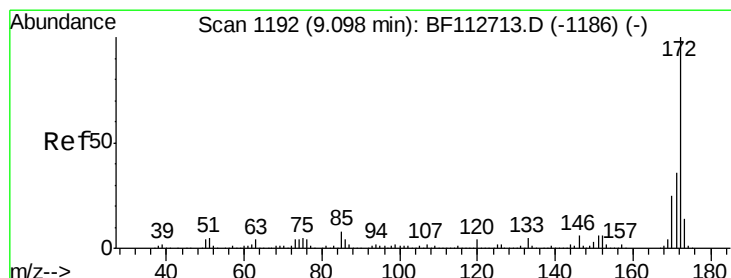
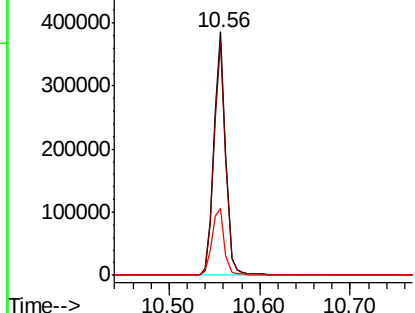
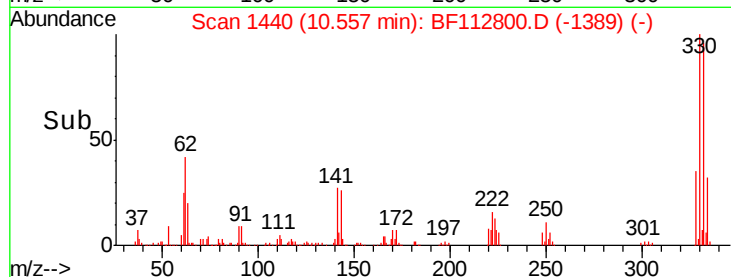


Abundance

Ion 329.80 (329.50 to 330.50): E

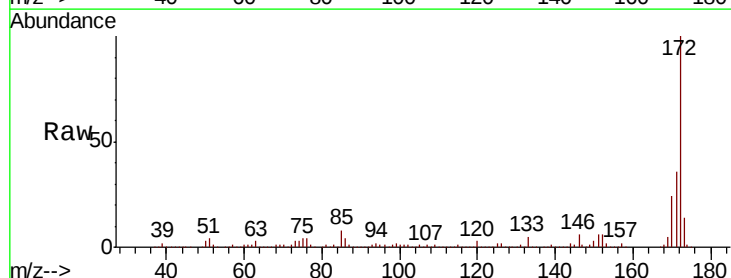
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 64.042 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.0	20.0	30.0

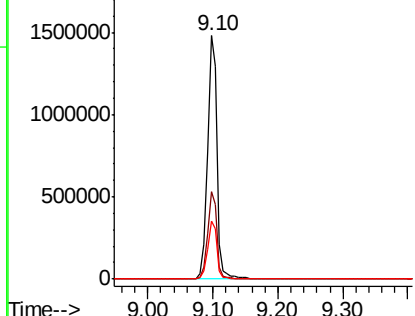
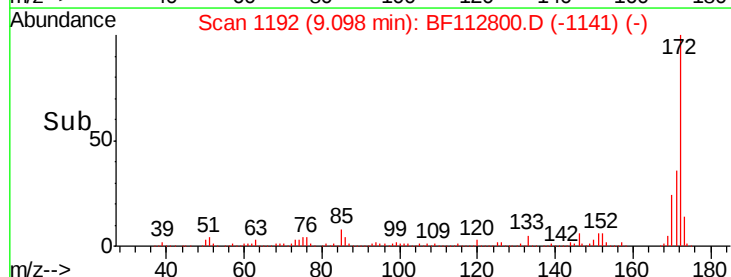


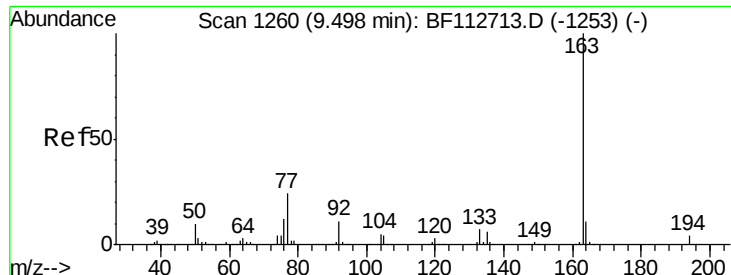
Abundance

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

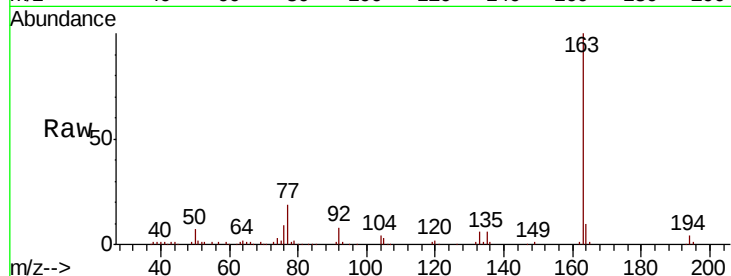




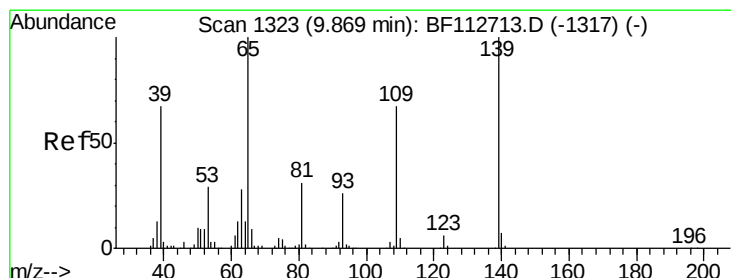
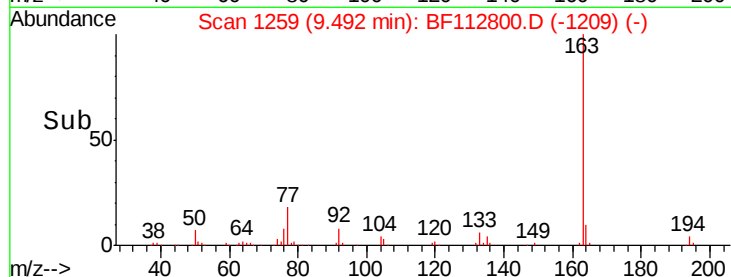
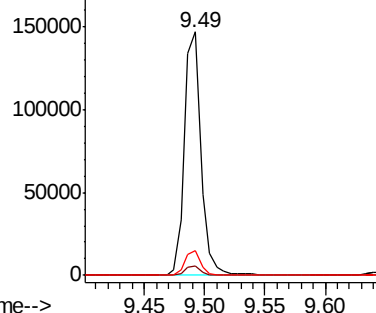
#50
Dimethylphthalate
Concen: 5.244 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

Instrument :
BNA_F
ClientSampleId :
200029

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	8.4	12.6

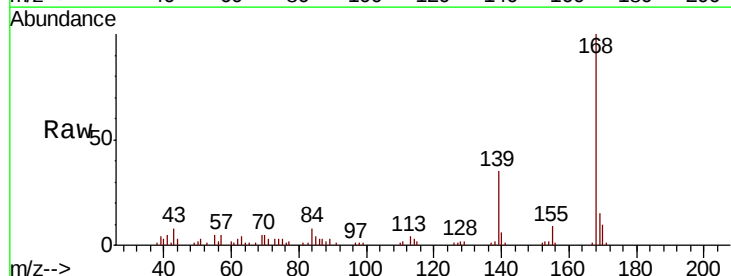


Abundance Ion 163.00 (162.70 to 163.70): E
200000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

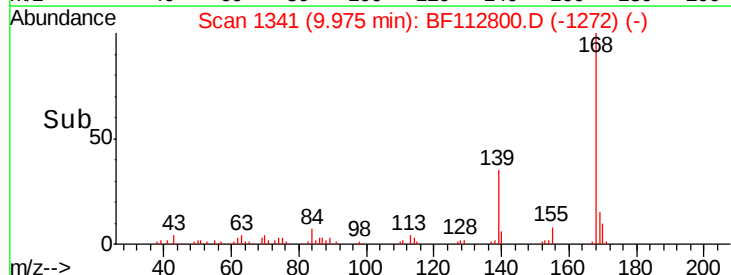
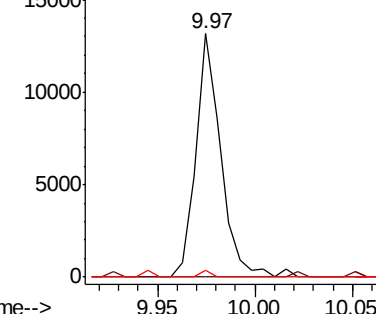


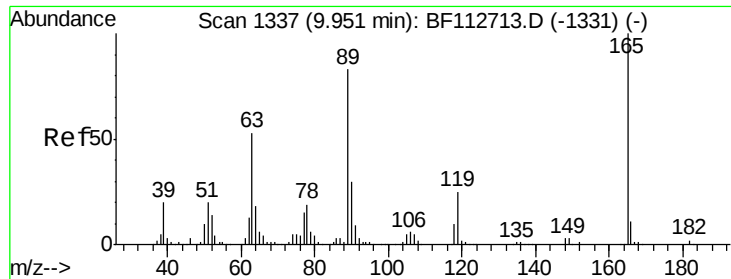
#56
4-Nitrophenol
Concen: 2.143 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112800.D
Acq: 1 Mar 2019 15:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	46.8	86.8#
65	3.0	80.7	120.7#



Abundance Ion 139.00 (138.70 to 139.70): E
15000
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

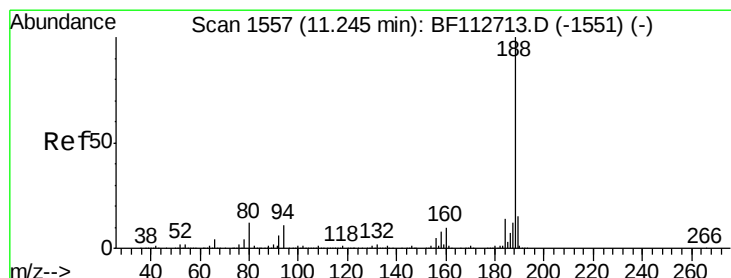
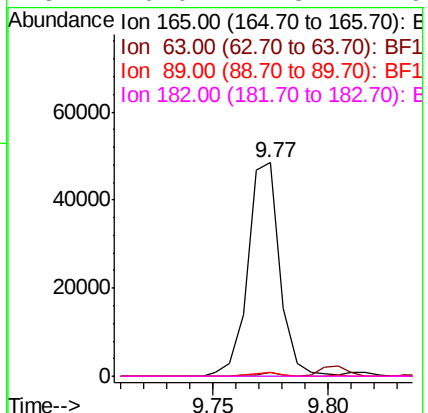
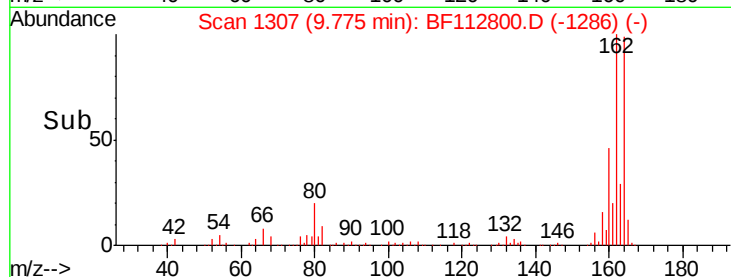
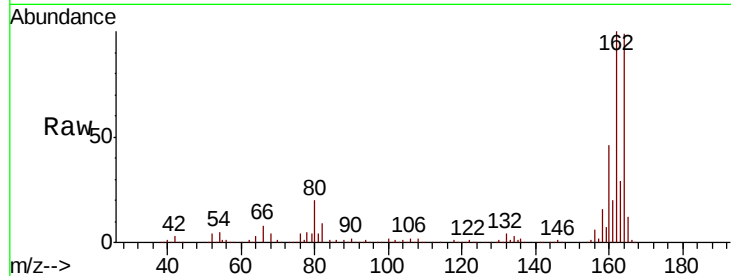




#57
 2,4-Dinitrotoluene
 Concen: 6.843 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

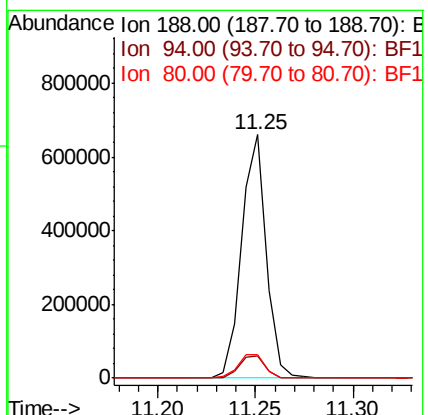
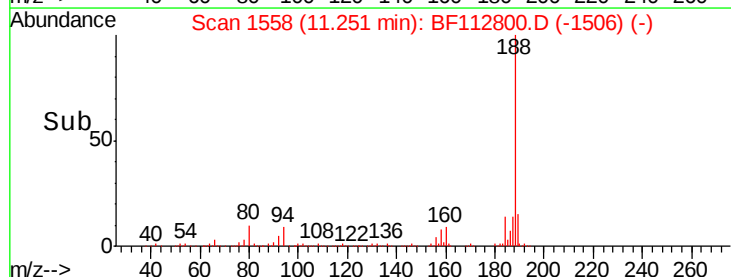
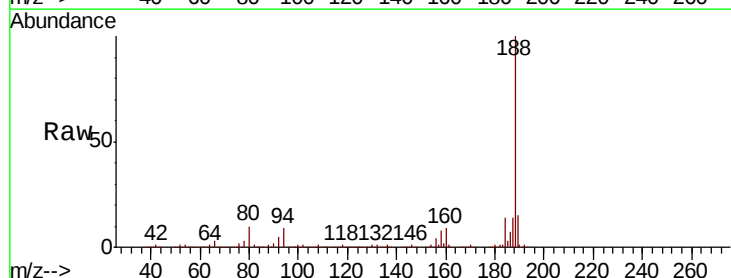
Instrument :
 BNA_F
 ClientSampleId :
 200029

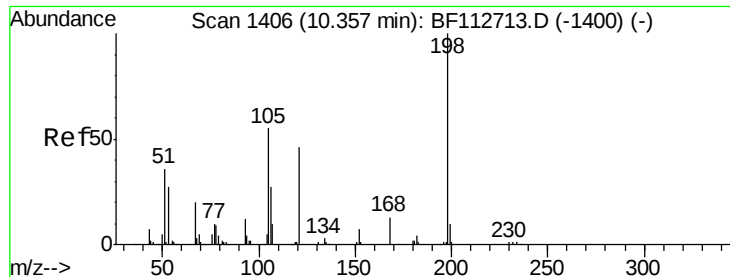
Tgt Ion:	165	Resp:	46941
Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.2	63.2#
89	1.9	66.2	99.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Tgt Ion:	188	Resp:	576771
Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.6	9.2	13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 4.763 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

Instrument :

BNA_F

ClientSampleId :

200029

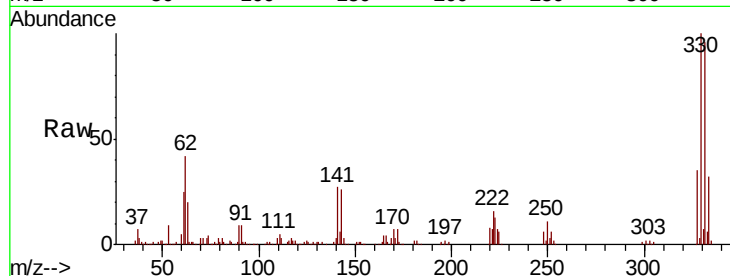
Tgt Ion:198 Resp: 393

Ion Ratio Lower Upper

198 100

51 276.8 43.8 83.8#

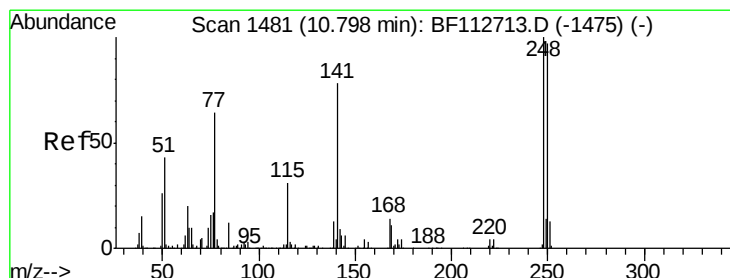
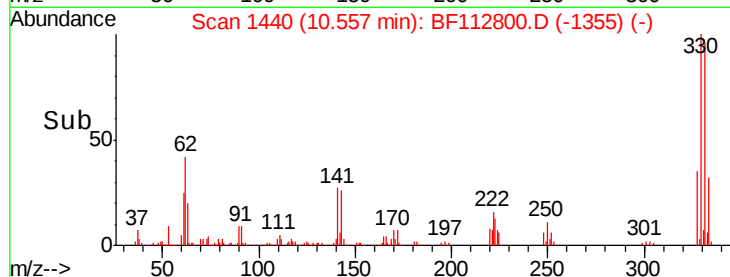
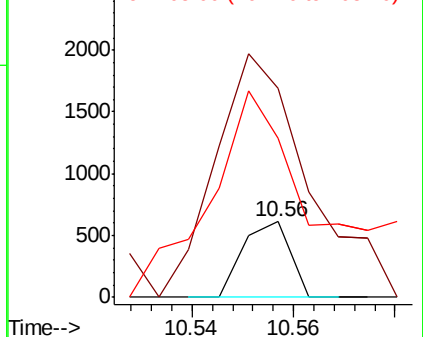
105 210.6 36.5 76.5#



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: 3.214 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

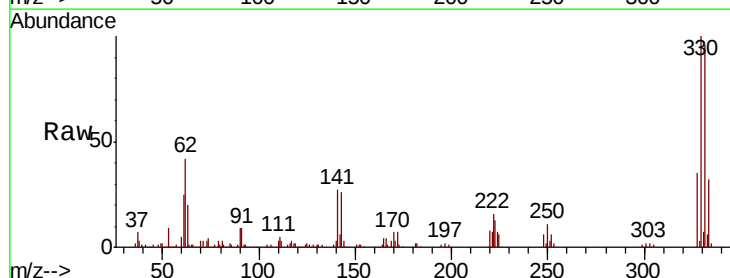
Tgt Ion:248 Resp: 19527

Ion Ratio Lower Upper

248 100

250 197.6 77.5 116.3#

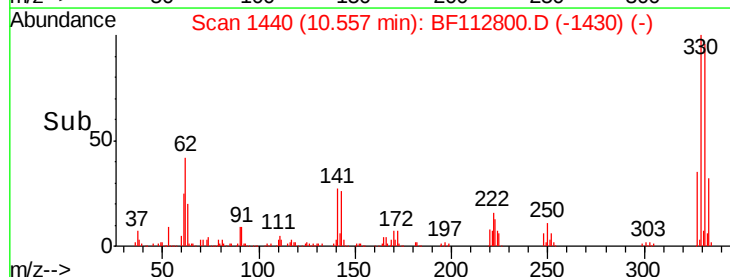
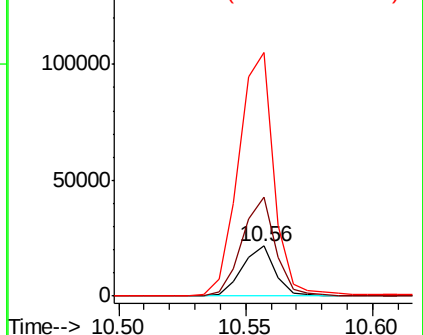
141 485.8 62.4 93.6#

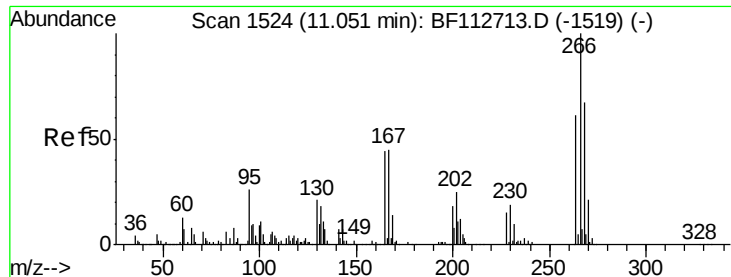


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

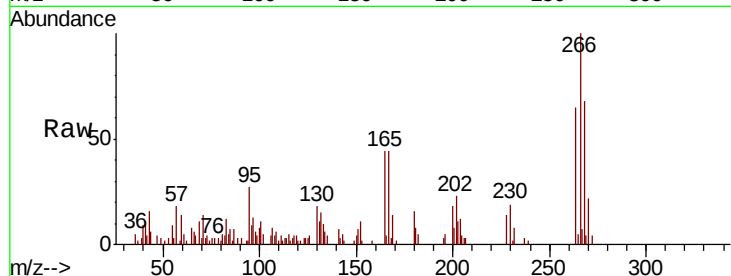




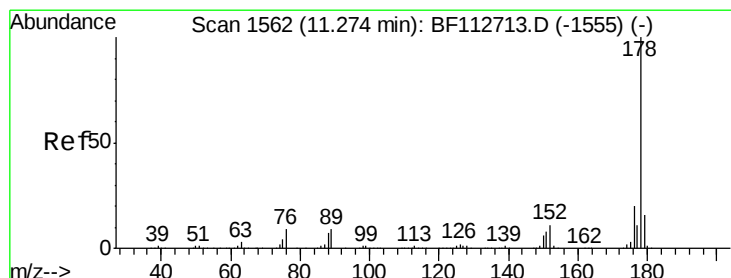
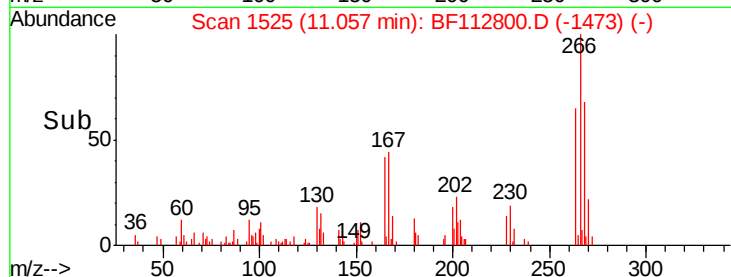
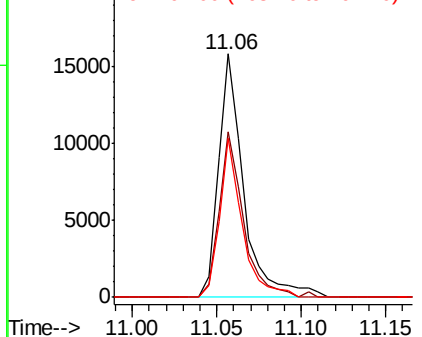
#70
 Pentachlorophenol
 Concen: 4.093 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. 0.01 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :
 200029

Tgt Ion: 266 Resp: 16498
 Ion Ratio Lower Upper
 266 100
 268 68.1 53.3 79.9
 264 65.4 48.9 73.3

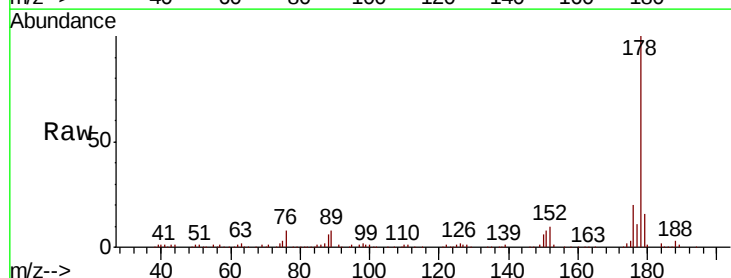


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

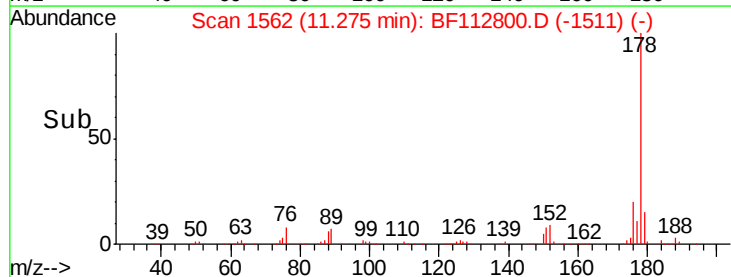
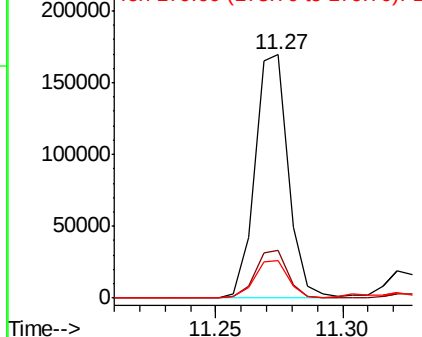


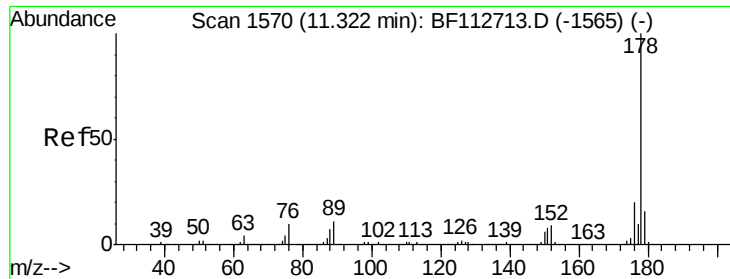
#71
 Phenanthrene
 Concen: 5.450 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Tgt Ion: 178 Resp: 156401
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.7 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

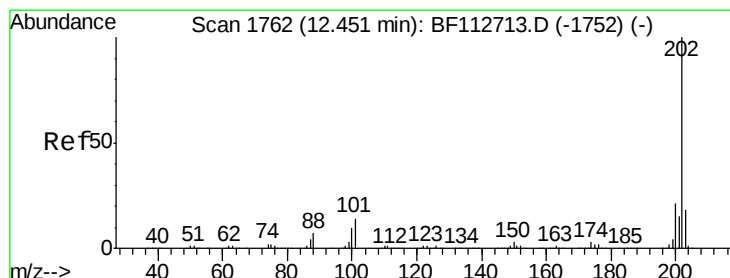
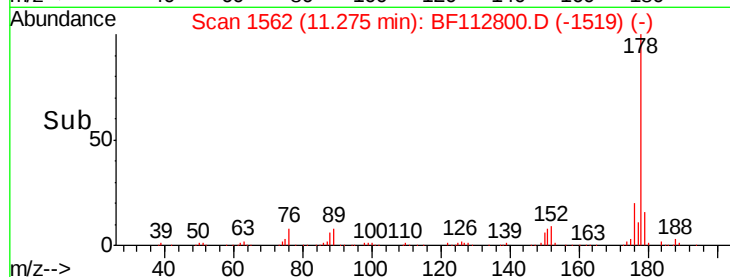
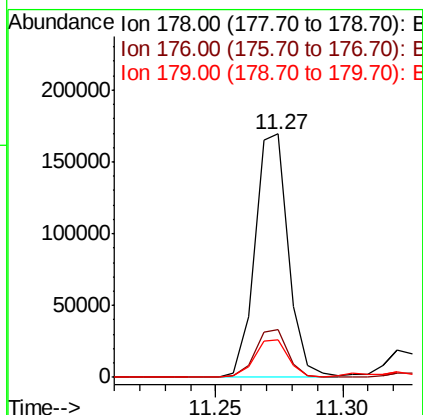
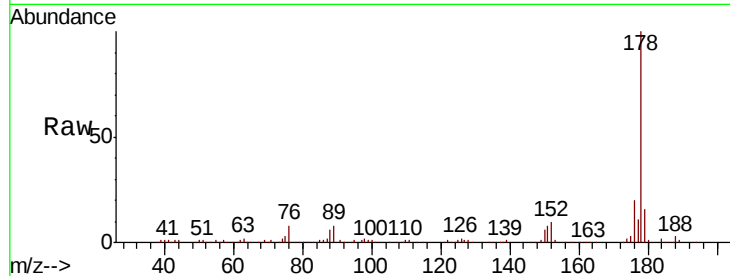




#72
 Anthracene
 Concen: 5.207 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

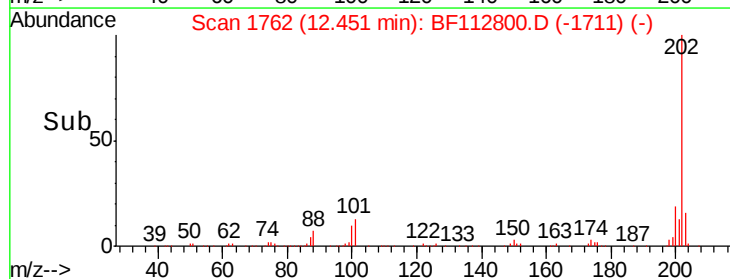
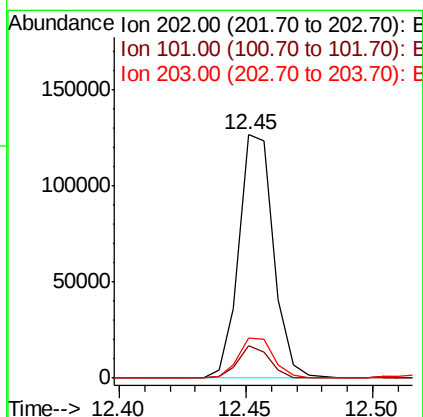
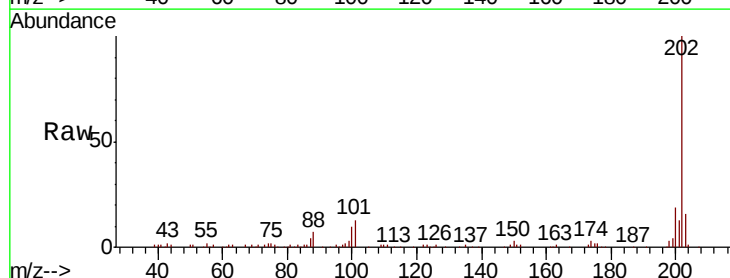
Instrument :
 BNA_F
 ClientSampleId :
 200029

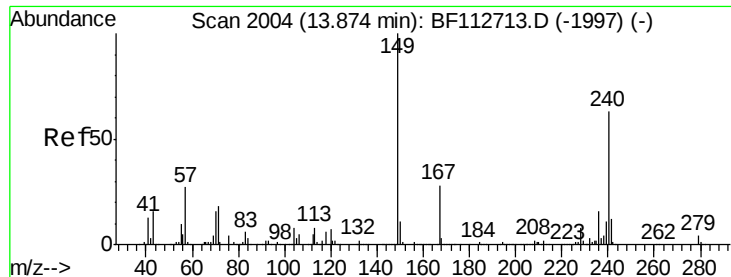
Tgt Ion:178 Resp: 156401
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.6
 179 15.7 13.0 19.6



#75
 Fluoranthene
 Concen: 3.908 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Tgt Ion:202 Resp: 120149
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.8
 203 16.3 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

Instrument :

BNA_F

ClientSampleId :

200029

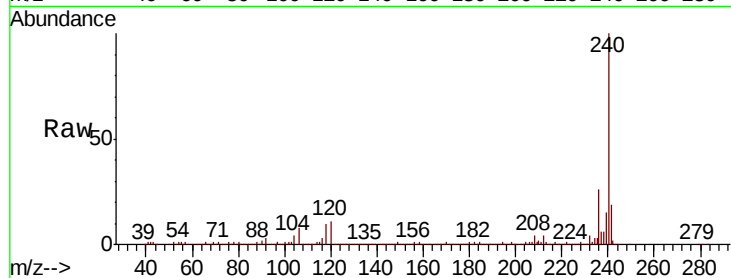
Tgt Ion:240 Resp: 469508

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

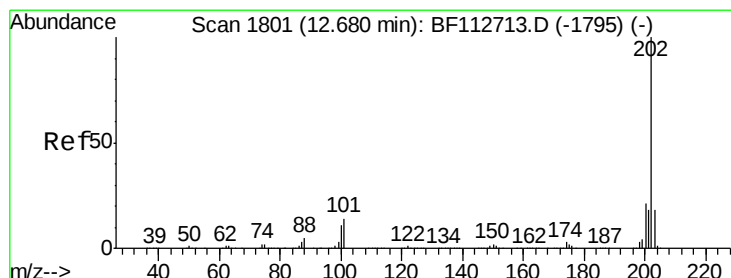
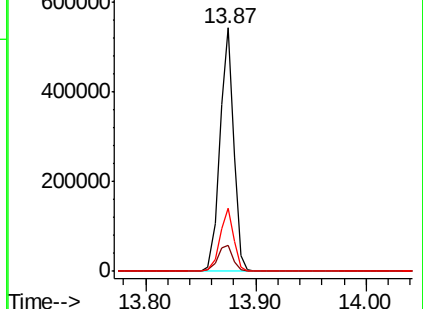
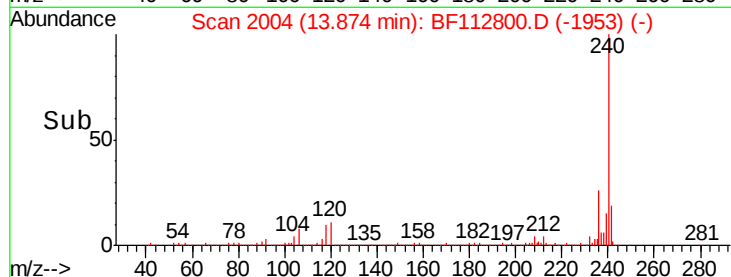
236 26.1 20.7 31.1



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



#78

Pyrene

Concen: 2.044 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112800.D

Acq: 1 Mar 2019 15:27

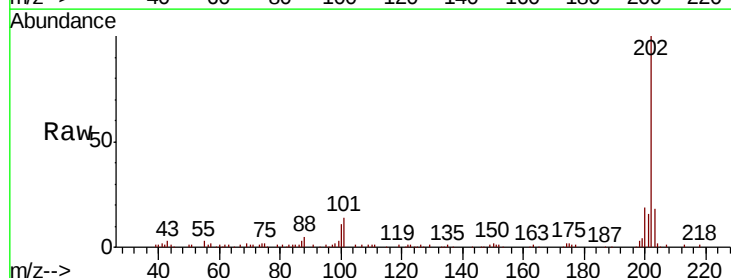
Tgt Ion:202 Resp: 80885

Ion Ratio Lower Upper

202 100

200 19.1 17.0 25.4

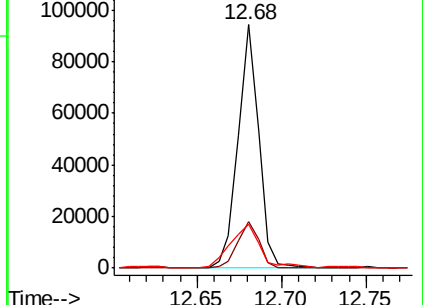
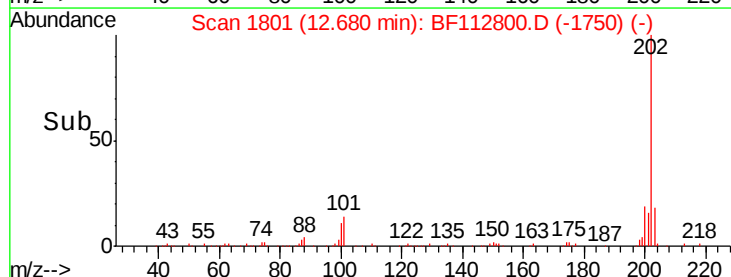
203 17.9 14.4 21.6

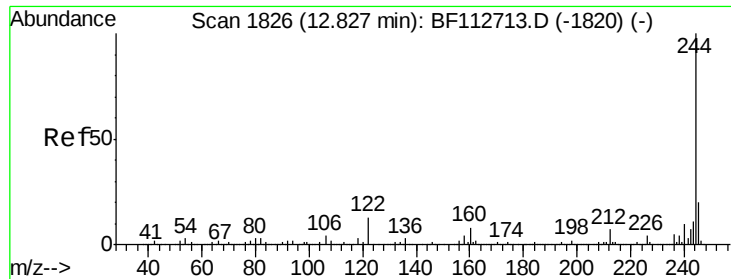


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

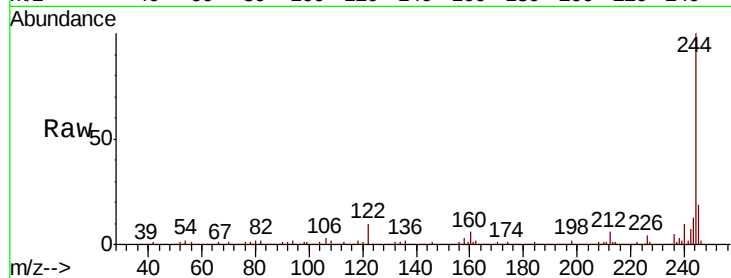




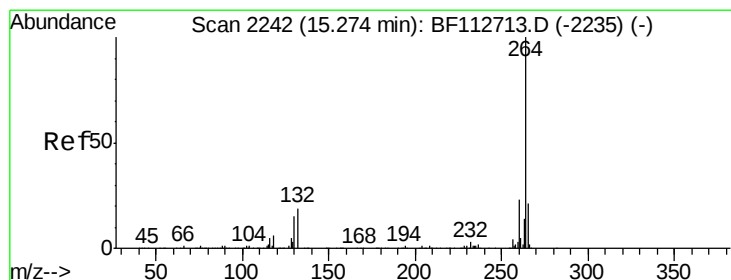
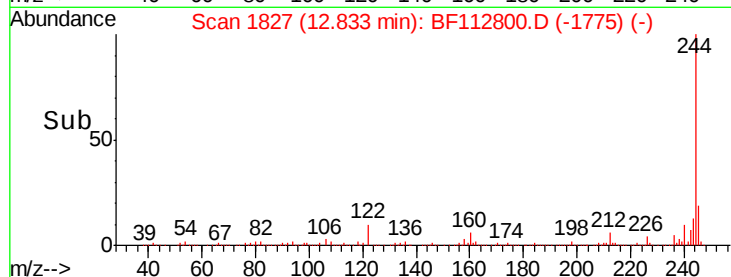
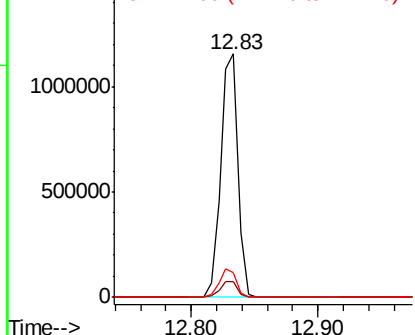
#79
 Terphenyl-d14
 Concen: 45.243 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Instrument :
 BNA_F
 ClientSampleId :
 200029

Tgt Ion:244 Resp: 1095800
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.0 10.5 15.7#

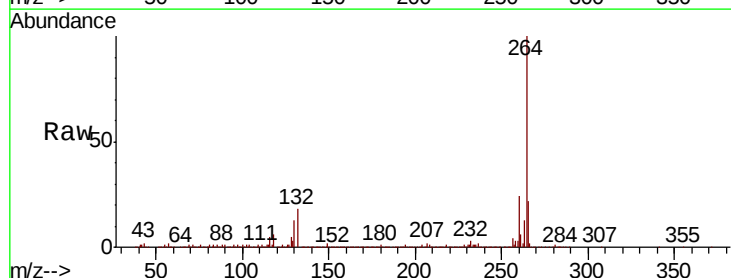


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF112800.D
 Acq: 1 Mar 2019 15:27

Tgt Ion:264 Resp: 508609
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.0 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

