

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112908.D
 Acq On : 7 Mar 2019 3:54
 Operator : JU/SJ
 Sample : K1705-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Quant Time: Mar 07 04:54:07 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	6.73	152	225870	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	814612	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	334800	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	557838	20.00	ng	0.00
76) Chrysene-d12	13.86	240	520557	20.00	ng	-0.01
87) Perylene-d12	15.26	264	478266	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1117309	76.95	ng	0.00
7) Phenol-d6	6.37	99	1505540	82.54	ng	0.00
23) Nitrobenzene-d5	7.29	82	903158	66.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	332181	93.46	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1413316	65.92	ng	-0.01
79) Terphenyl-d14	12.82	244	1153453	42.95	ng	-0.01

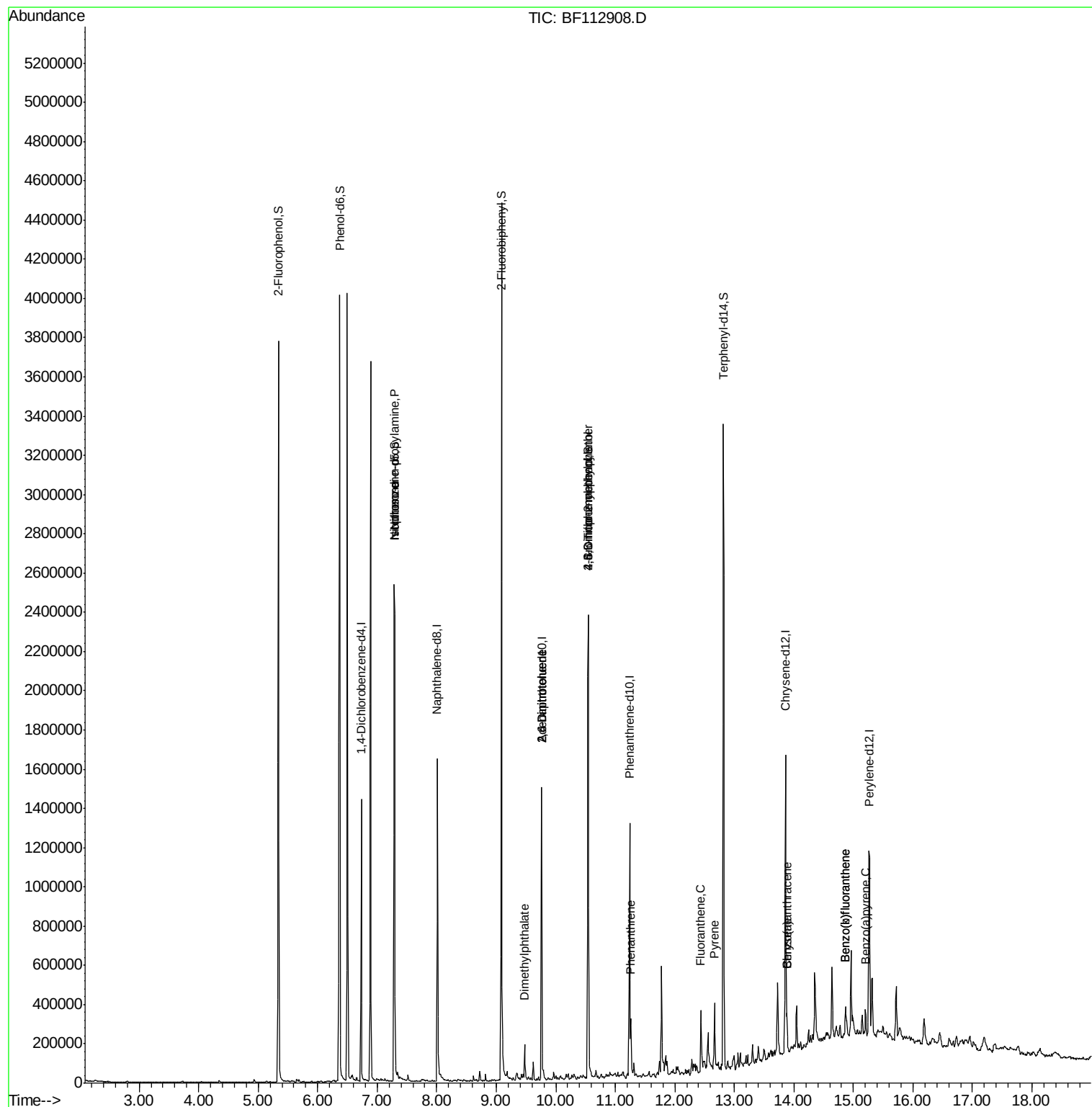
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	117570	10.177	ng	# 76
25) Isophorone	7.29	82	899052	30.655	ng	# 66
50) Dimethylphthalate	9.48	163	72823	2.950	ng	99
51) 2,6-Dinitrotoluene	9.76	165	42650	8.296	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	42651	6.675	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	506	4.812	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	19266	3.279	ng	# 1
71) Phenanthrene	11.26	178	101225	3.647	ng	96
75) Fluoranthene	12.44	202	124742	4.195	ng	98
78) Pyrene	12.67	202	138510	3.156	ng	99
81) Benzo(a)anthracene	13.89	228	80643	2.235	ng	97
83) Chrysene	13.89	228	80643	2.282	ng	96
88) Benzo(b)fluoranthene	14.87	252	107739	3.483	ng	99
89) Benzo(k)fluoranthene	14.87	252	107739	3.845	ng	99
90) Benzo(a)pyrene	15.20	252	61331	2.241	ng	98

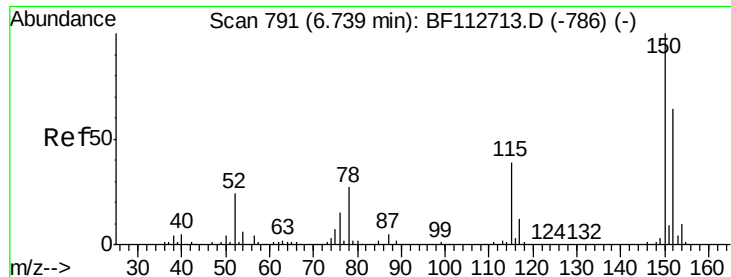
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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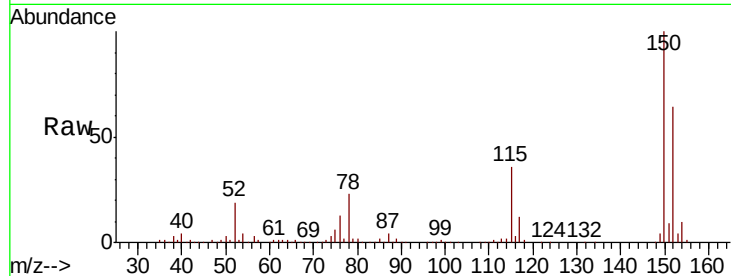


#1

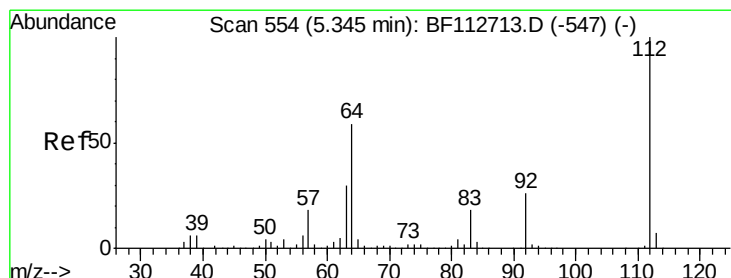
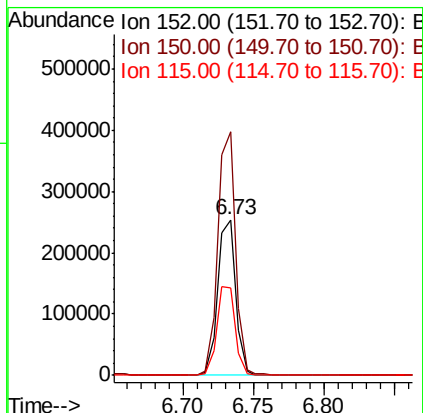
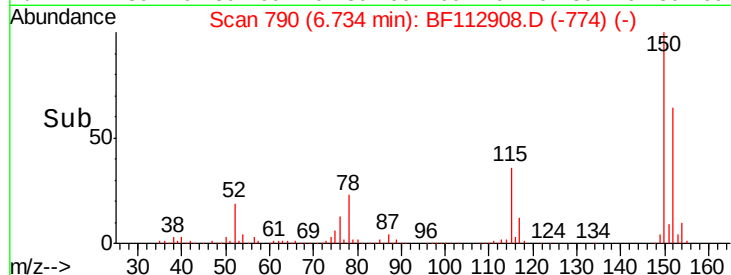
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:152 Resp: 225870
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 56.5 48.2 72.4



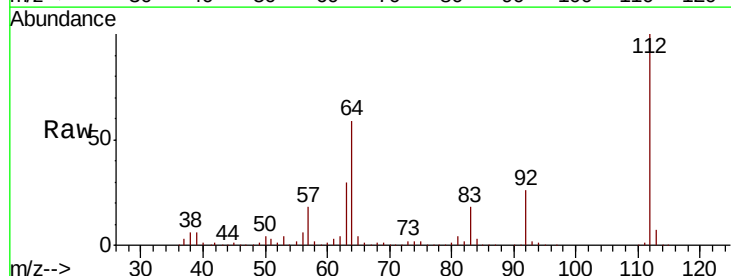
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



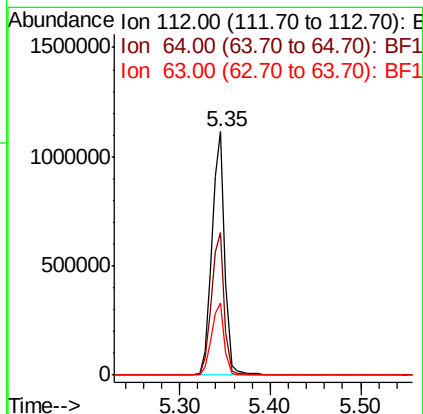
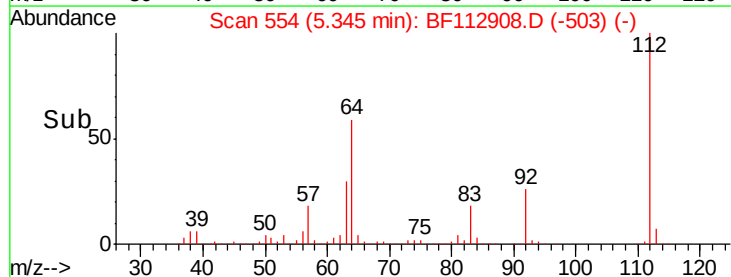
#5

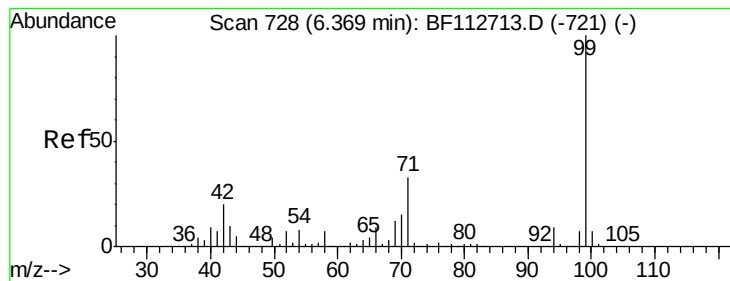
2-Fluorophenol
Concen: 76.948 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:112 Resp: 1117309
Ion Ratio Lower Upper
112 100
64 58.7 47.6 71.4
63 29.7 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: 82.541 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112908.D

Acq: 7 Mar 2019 3:54

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719

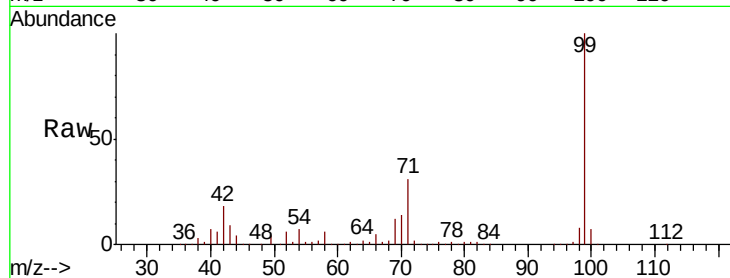
Tgt Ion: 99 Resp: 1505540

Ion Ratio Lower Upper

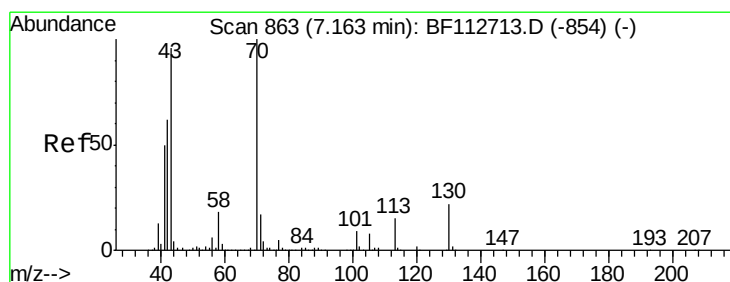
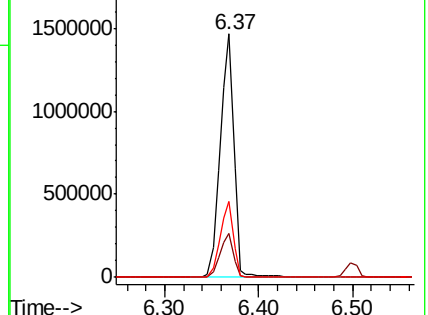
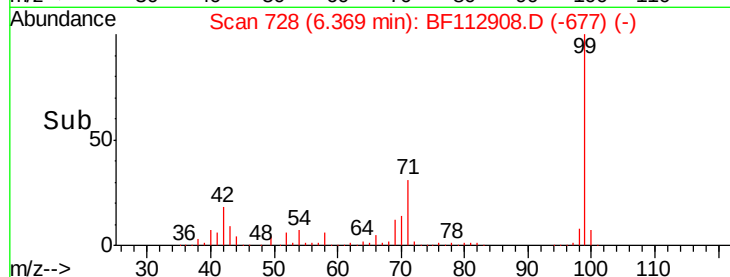
99 100

42 18.1 16.3 24.5

71 31.3 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: 10.177 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112908.D

Acq: 7 Mar 2019 3:54

Tgt Ion: 70 Resp: 117570

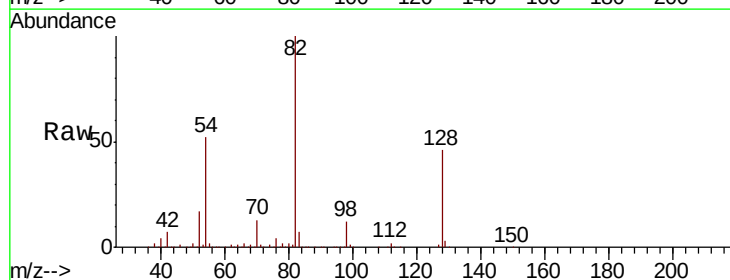
Ion Ratio Lower Upper

70 100

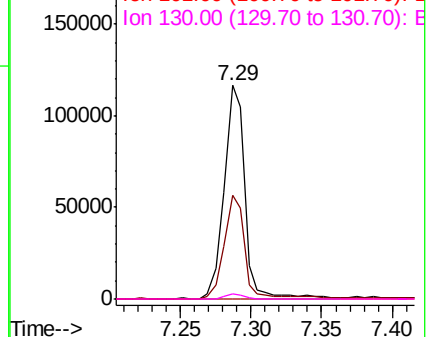
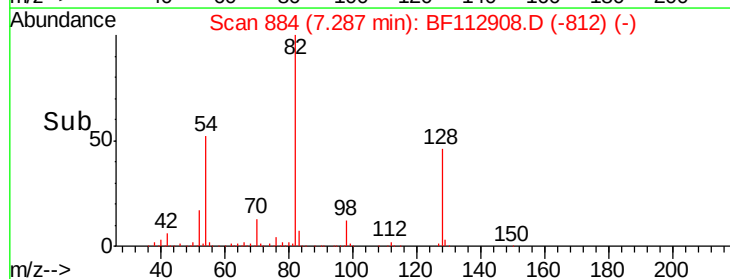
42 48.5 49.9 74.9#

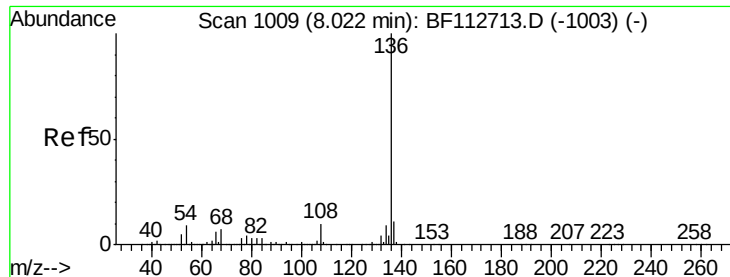
101 0.0 7.4 11.2#

130 2.3 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

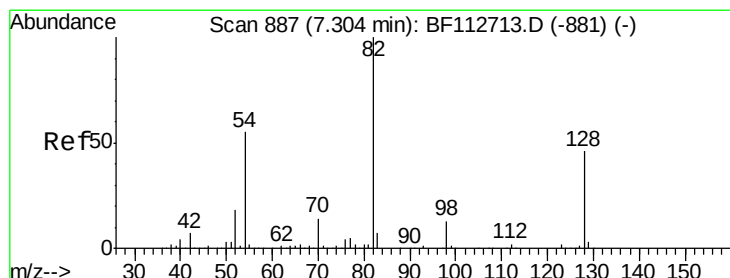
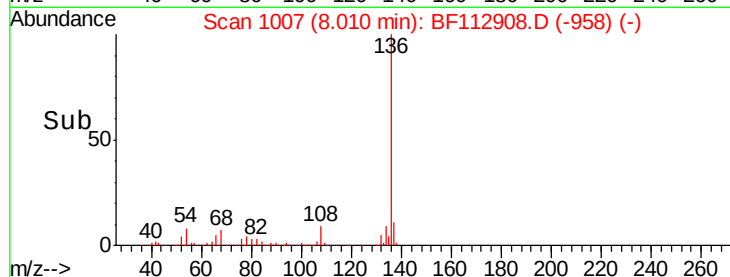
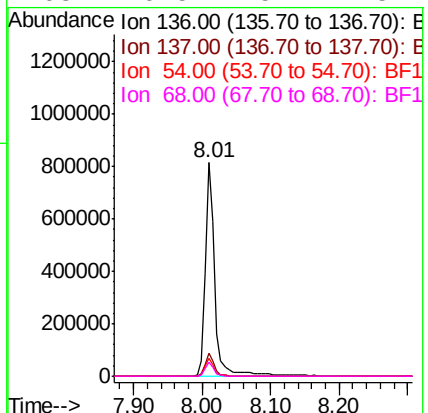
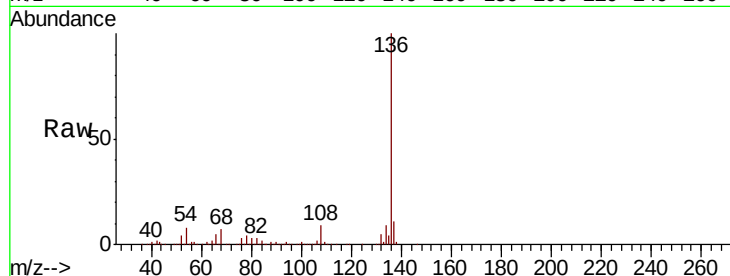




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

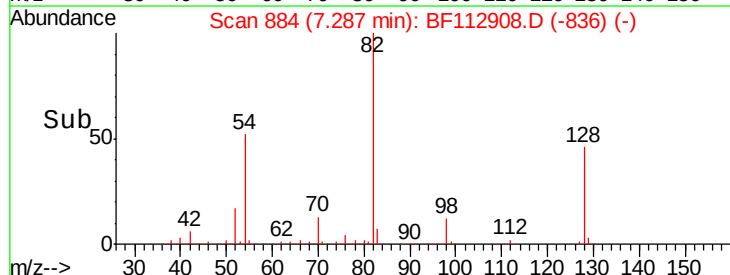
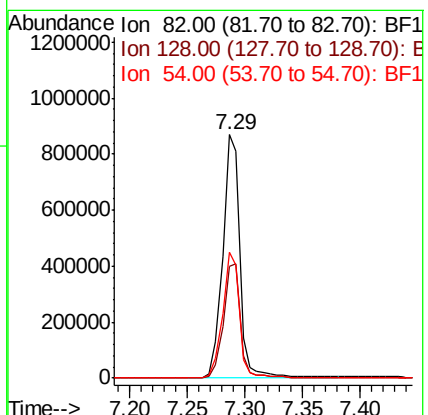
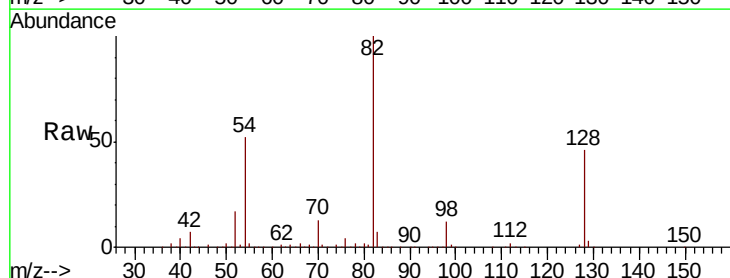
Instrument :
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ClientSampleId :
EXT-027-SW014-022719

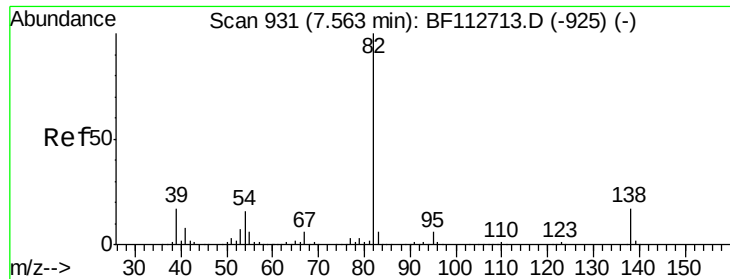
Tgt Ion:	136	Resp:	814612
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.4	7.3	10.9
68	6.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 66.342 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:	82	Resp:	903158
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	51.8	43.7	65.5





#25

Isophorone

Concen: 30.655 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112908.D

Acq: 7 Mar 2019 3:54

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW014-022719

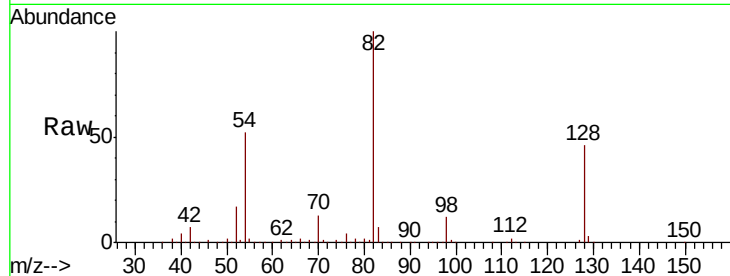
Tgt Ion: 82 Resp: 899052

Ion Ratio Lower Upper

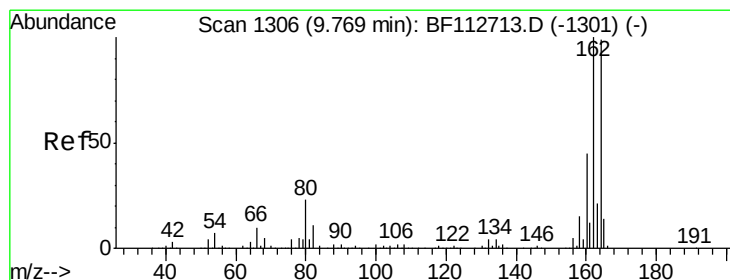
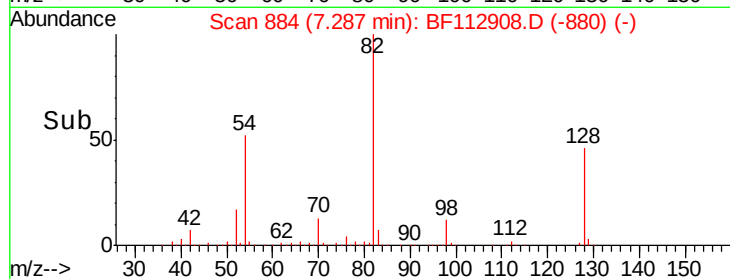
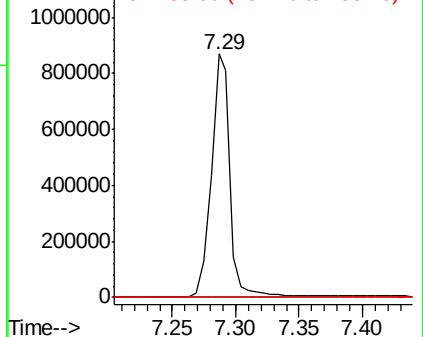
82 100

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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF112908.D

Acq: 7 Mar 2019 3:54

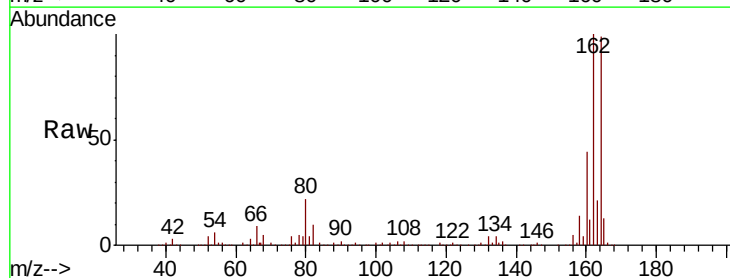
Tgt Ion: 164 Resp: 334800

Ion Ratio Lower Upper

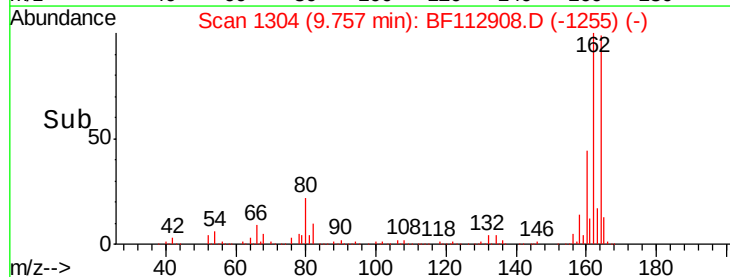
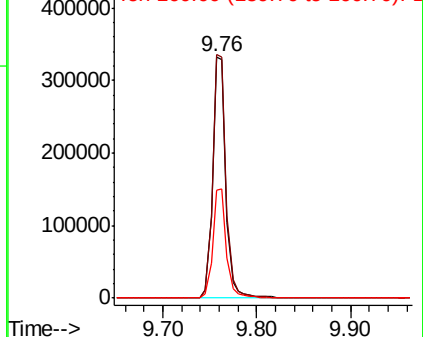
164 100

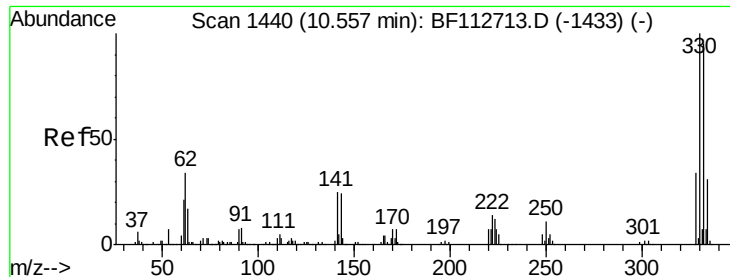
162 100.8 80.6 120.8

160 44.7 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

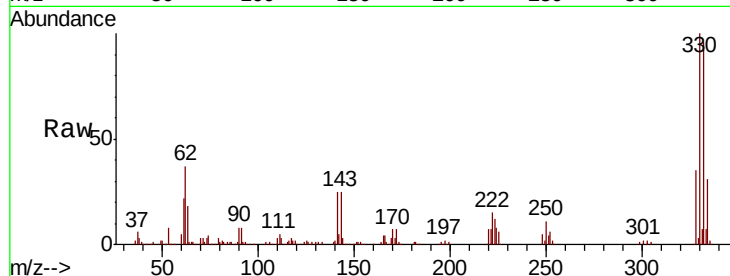




#42
 2,4,6-Tribromophenol
 Concen: 93.458 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	28.3	27.0	40.6

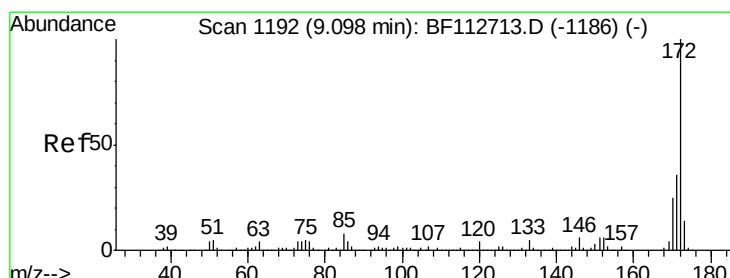
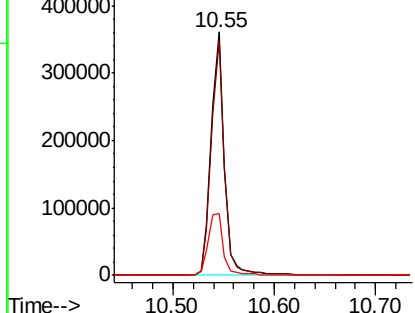
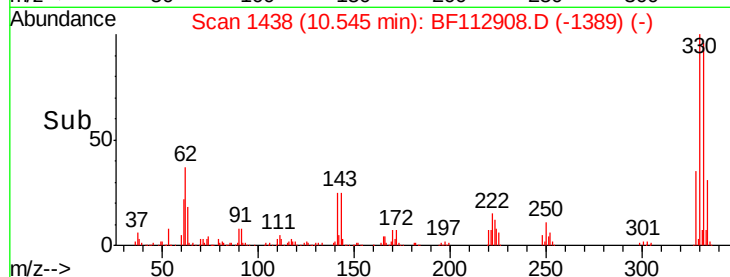


Abundance

Ion 329.80 (329.50 to 330.50): E

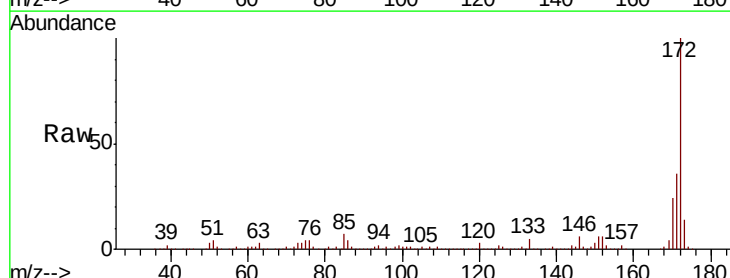
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.923 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	24.4	20.0	30.0

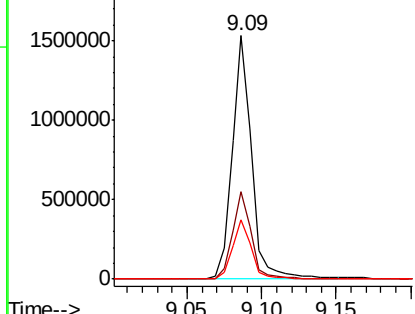
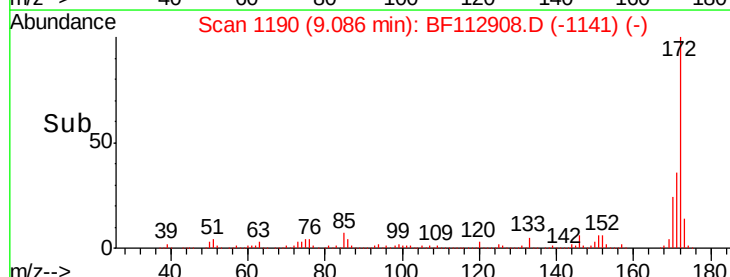


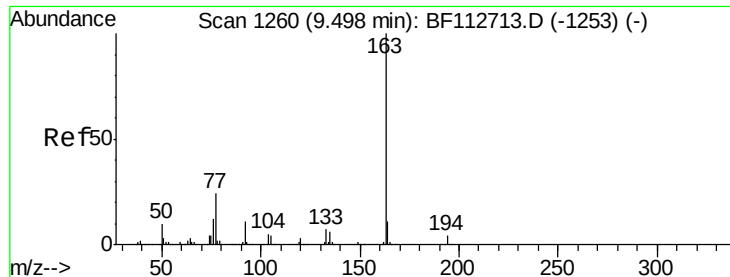
Abundance

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

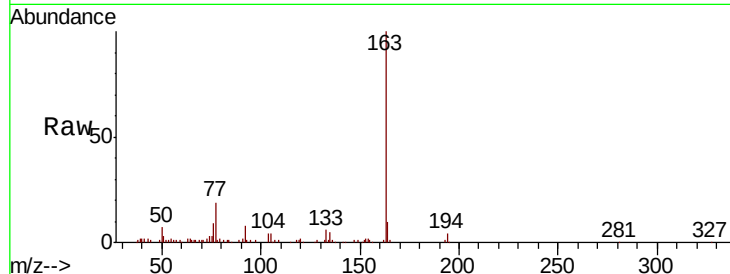




#50
Dimethylphthalate
Concen: 2.950 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.0	8.4	12.6

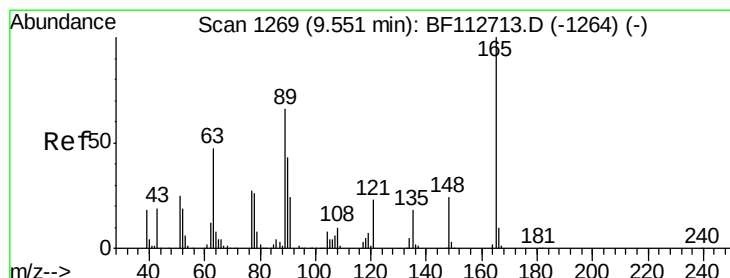
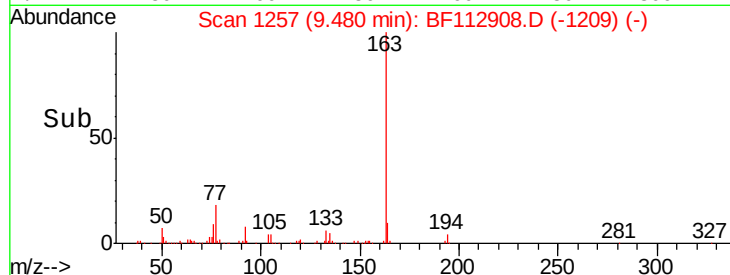
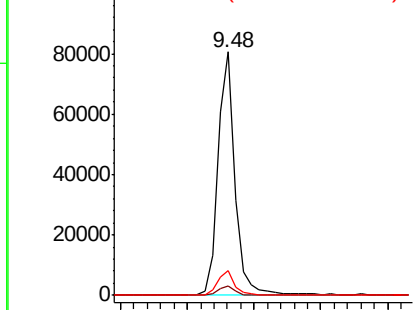


Abundance

Ion 163.00 (162.70 to 163.70): E

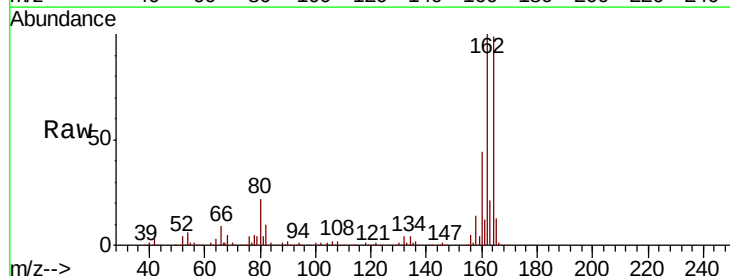
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.296 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	54.1	81.1#
89	1.2	52.8	79.2#

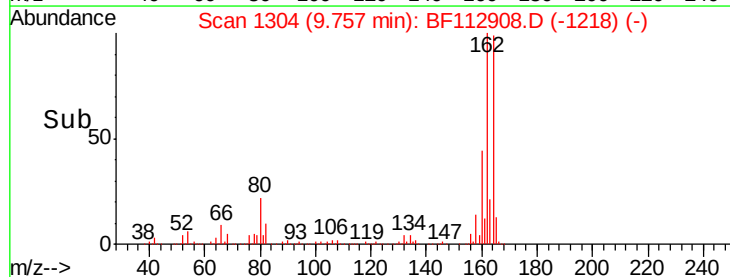
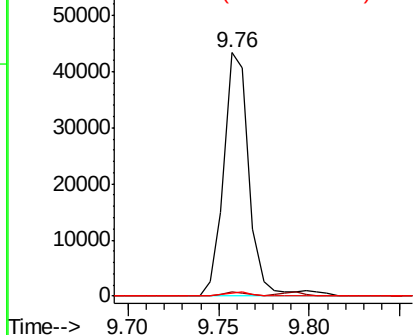


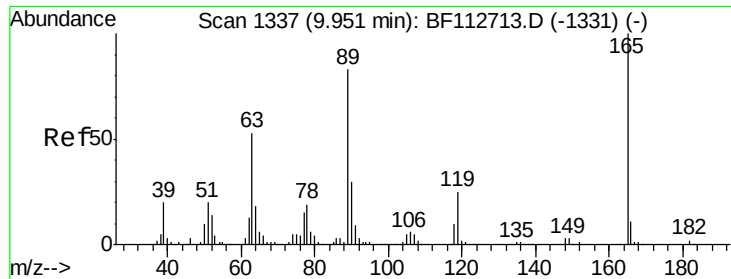
Abundance

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

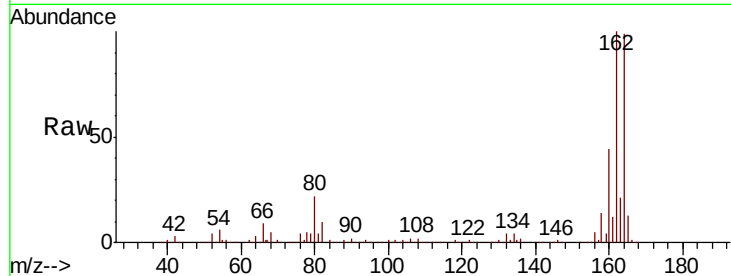




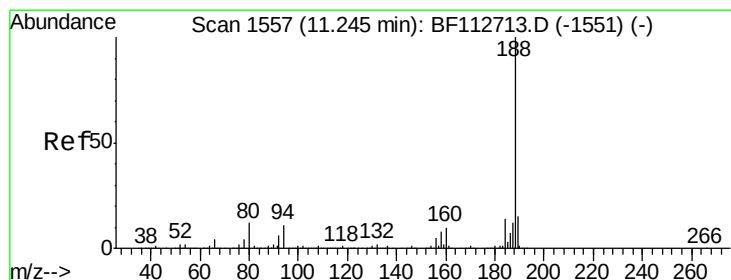
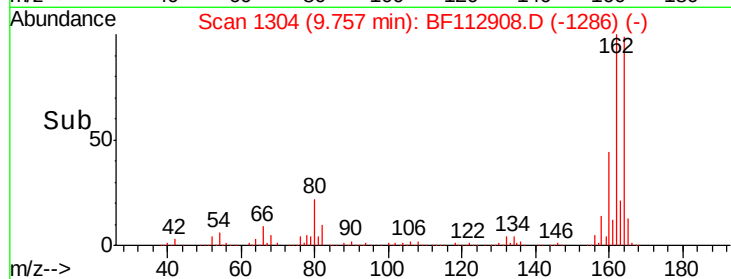
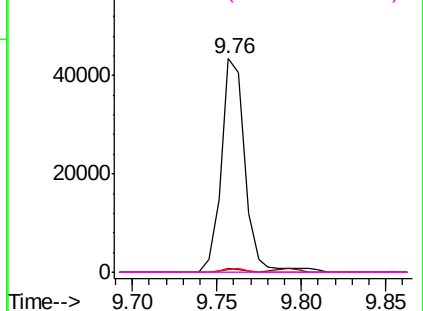
#57
2,4-Dinitrotoluene
Concen: 6.675 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.2	63.2#
89	1.2	66.2	99.4#
182	0.0	1.8	2.6#

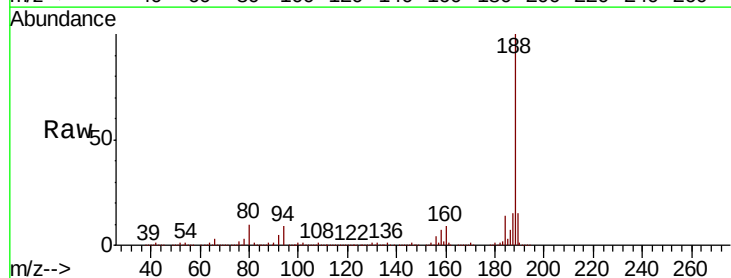


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

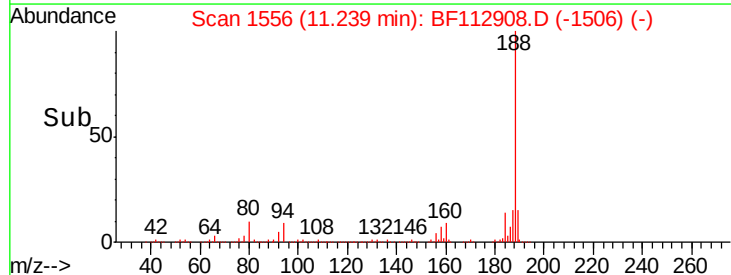
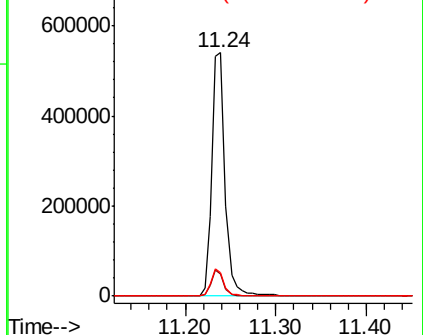


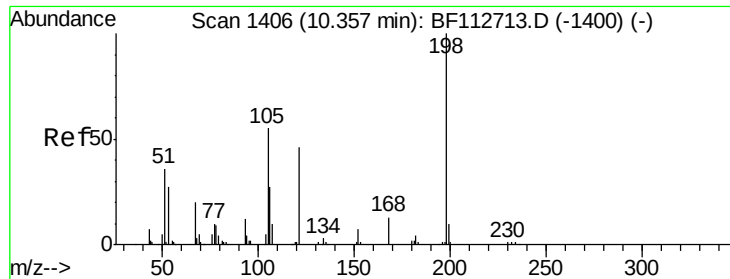
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.9	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

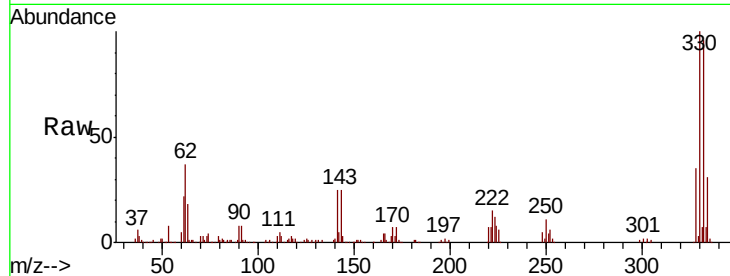




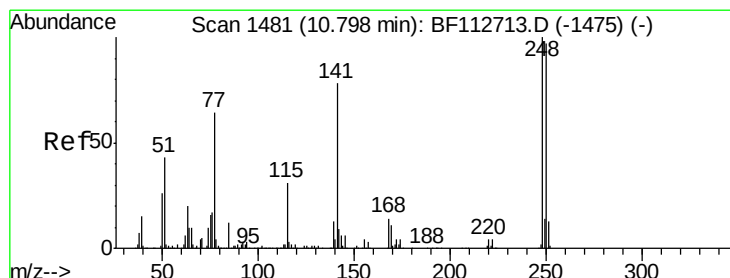
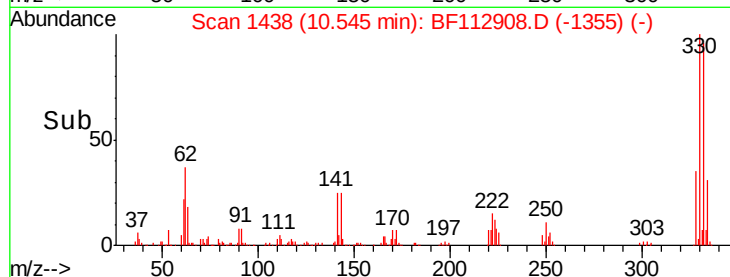
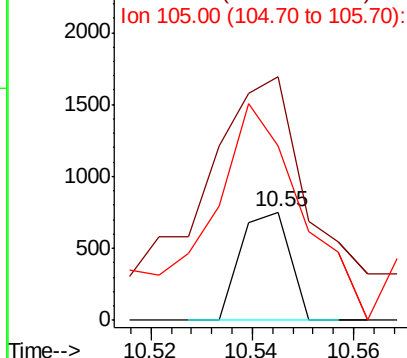
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.812 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tgt Ion:198 Resp: 506
 Ion Ratio Lower Upper
 198 100
 51 224.4 43.8 83.8#
 105 161.1 36.5 76.5#

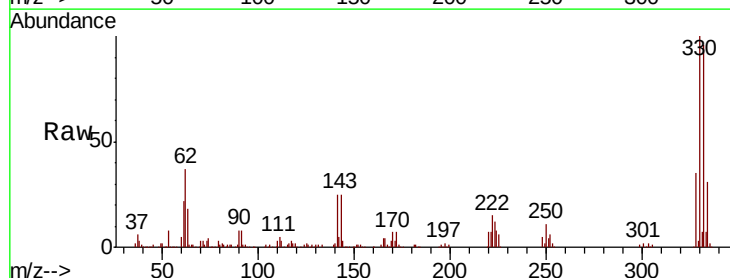


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

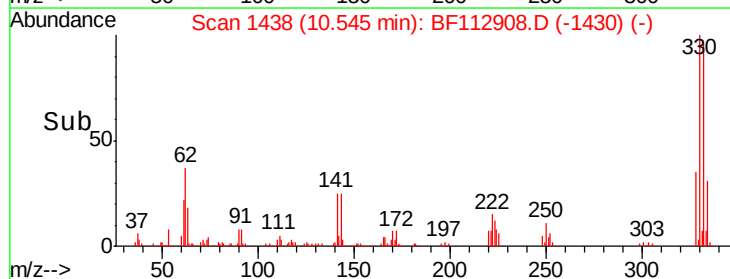
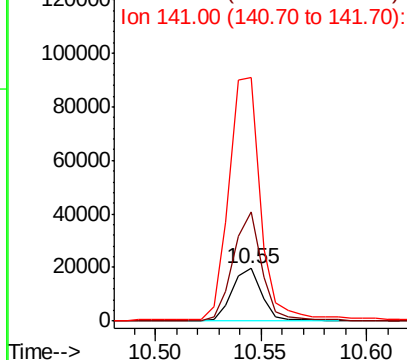


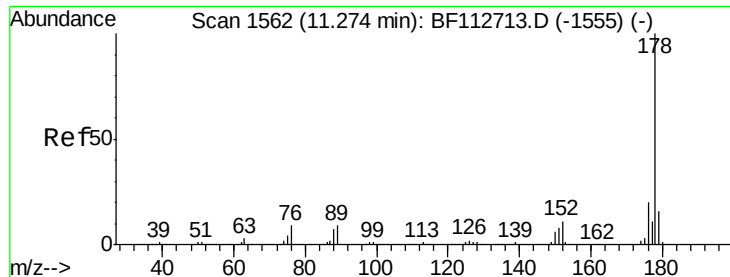
#67
 4-Bromophenyl-phenylether
 Concen: 3.279 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Tgt Ion:248 Resp: 19266
 Ion Ratio Lower Upper
 248 100
 250 208.1 77.5 116.3#
 141 461.8 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

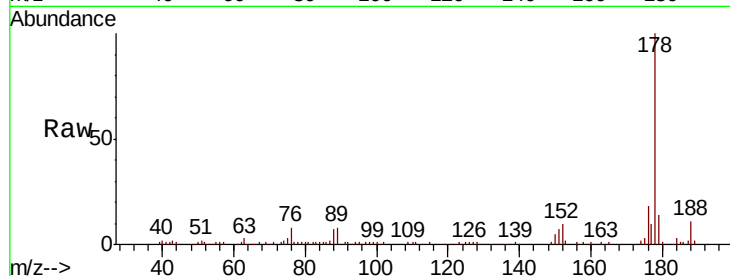




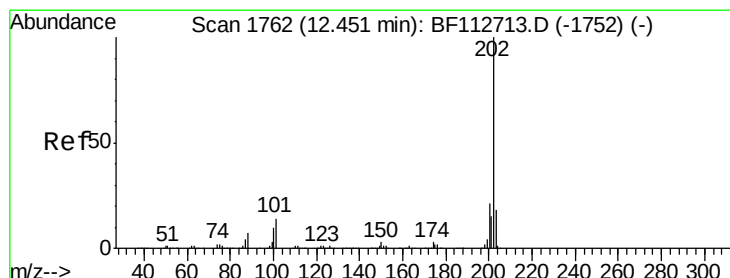
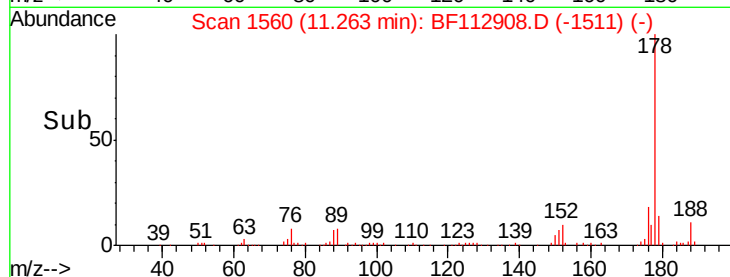
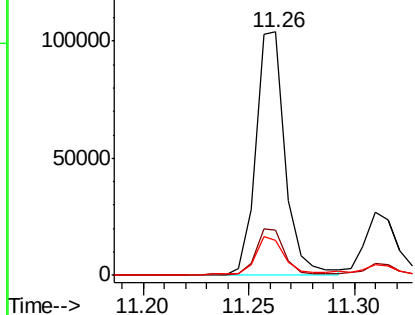
#71
Phenanthrene
Concen: 3.647 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion:178 Resp: 101225
Ion Ratio Lower Upper
178 100
176 18.3 16.3 24.5
179 14.2 12.7 19.1

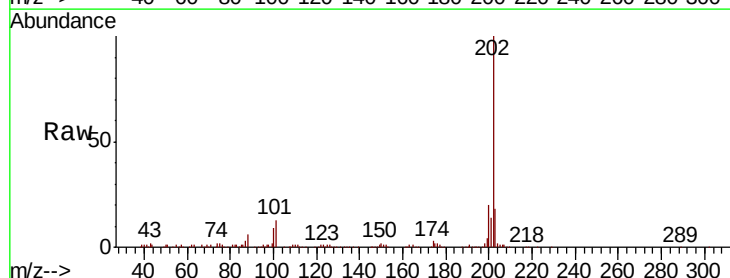


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

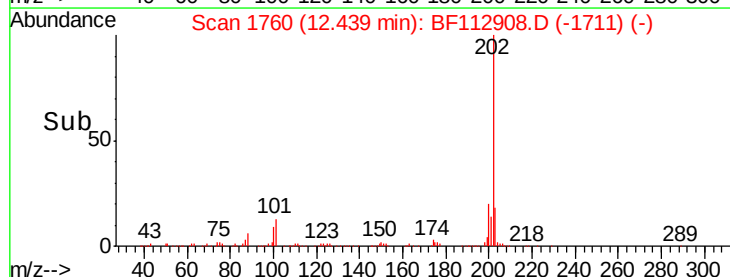
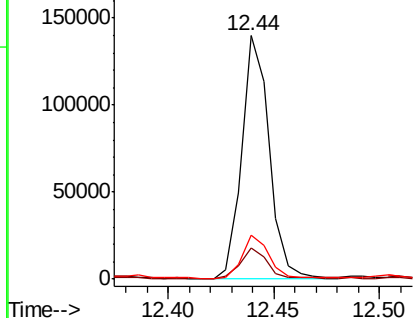


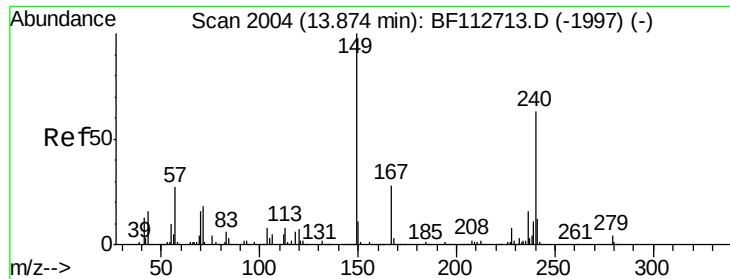
#75
Fluoranthene
Concen: 4.195 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:202 Resp: 124742
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.8
203 17.8 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

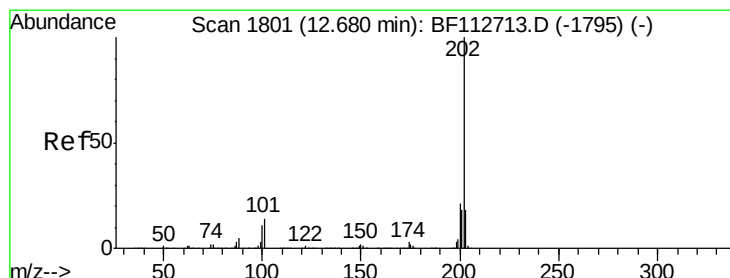
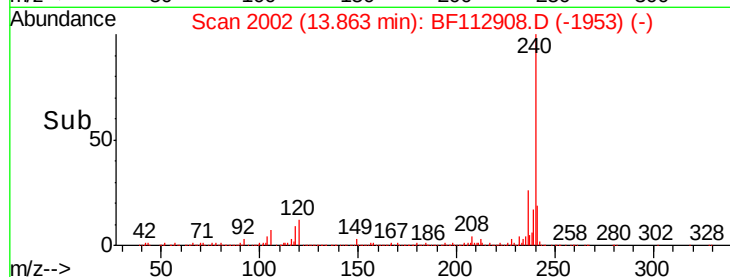
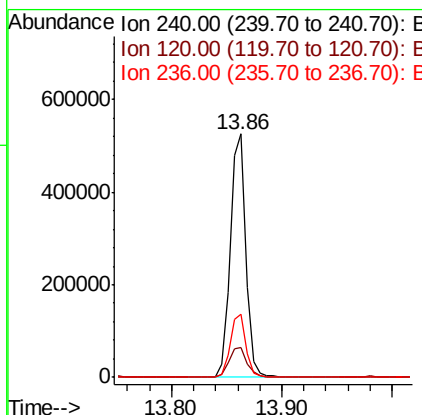
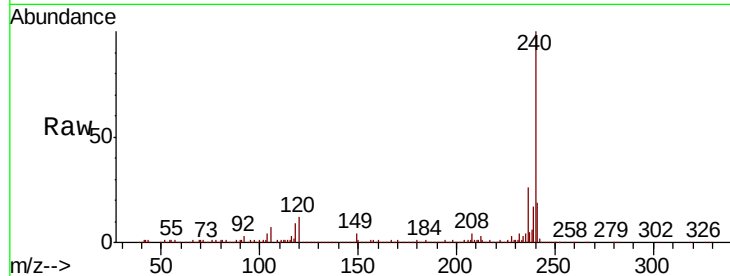




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

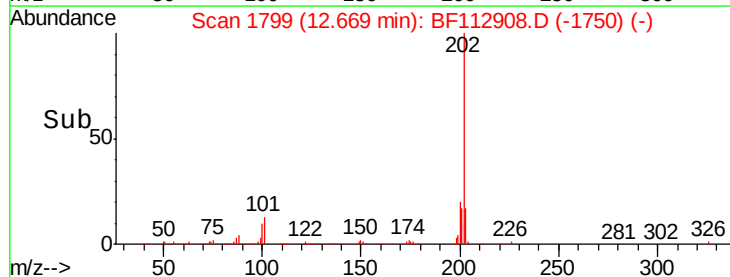
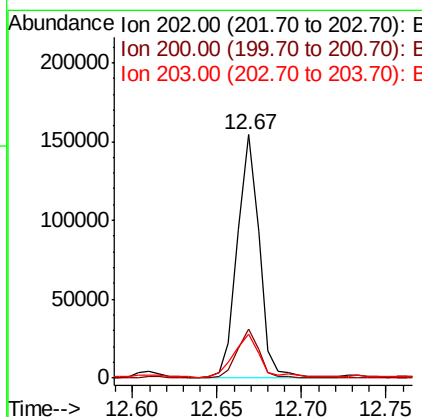
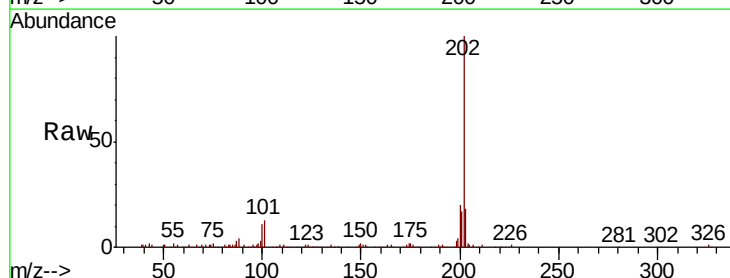
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

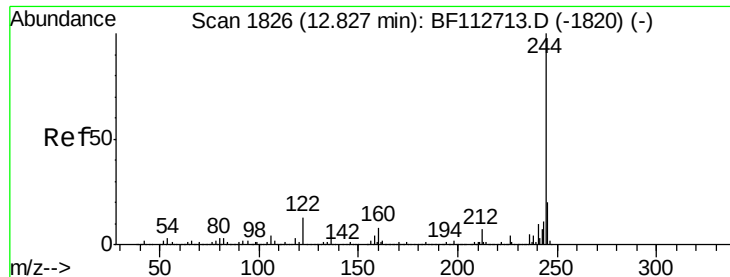
Tgt Ion:240 Resp: 520557
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 26.1 20.7 31.1



#78
Pyrene
Concen: 3.156 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion:202 Resp: 138510
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.8 14.4 21.6

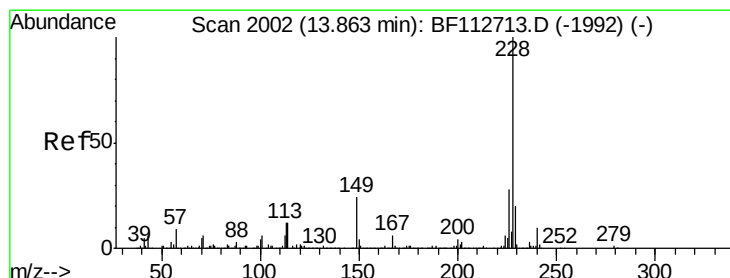
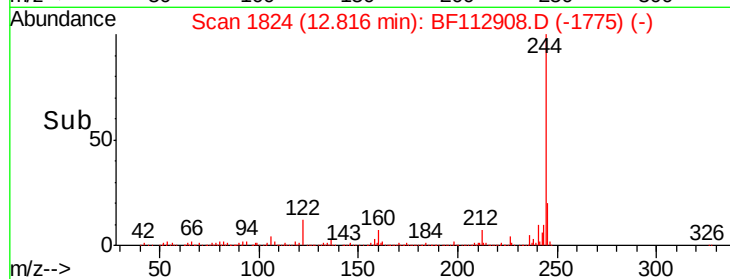
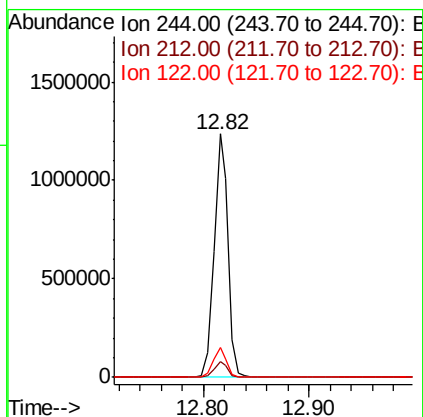
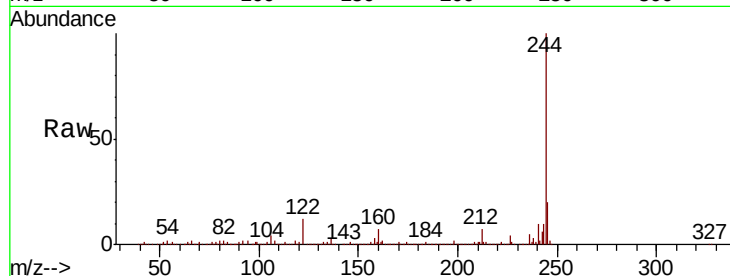




#79
 Terphenyl-d14
 Concen: 42.953 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

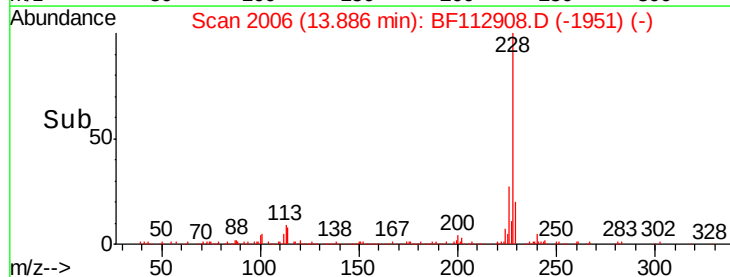
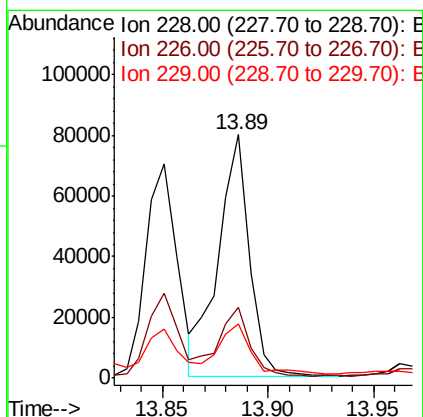
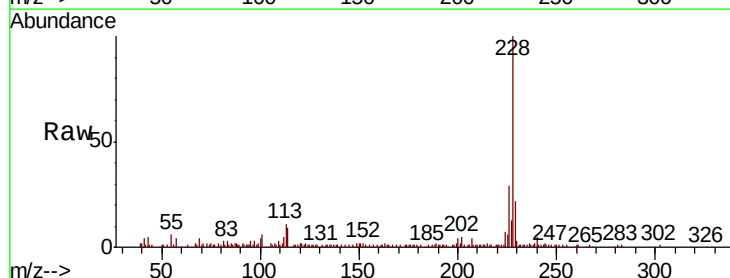
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

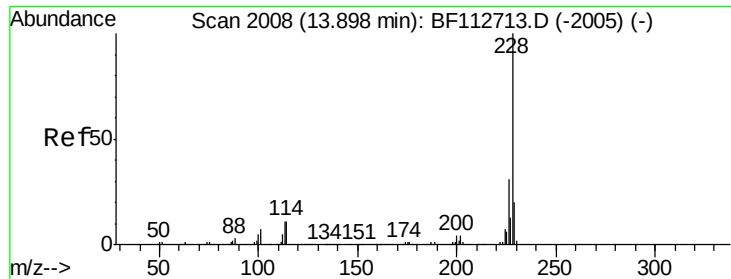
Tgt Ion:244 Resp: 1153453
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 12.0 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.235 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.02 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Tgt Ion:228 Resp: 80643
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.2 33.4
 229 22.1 16.0 24.0

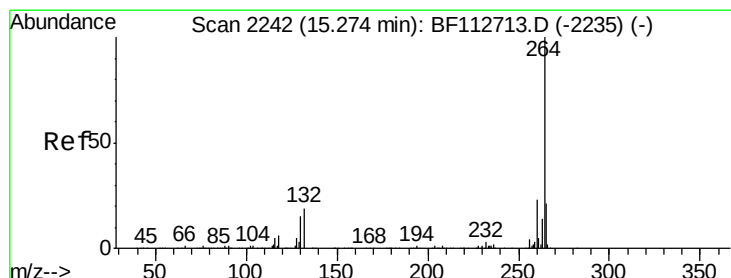
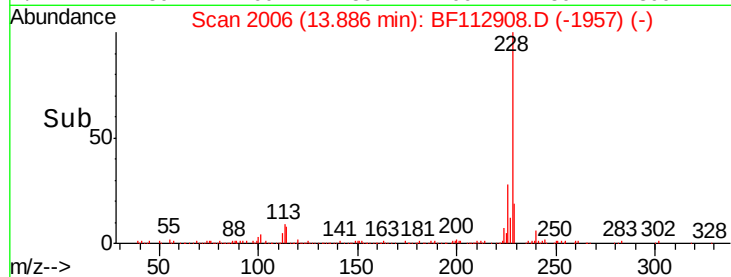
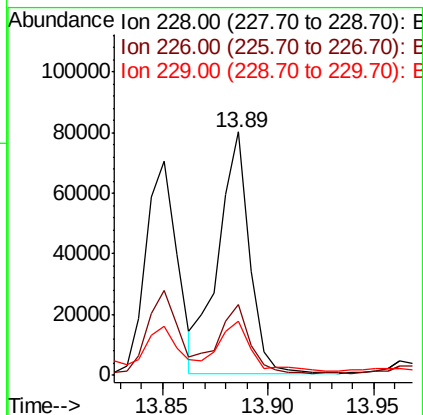
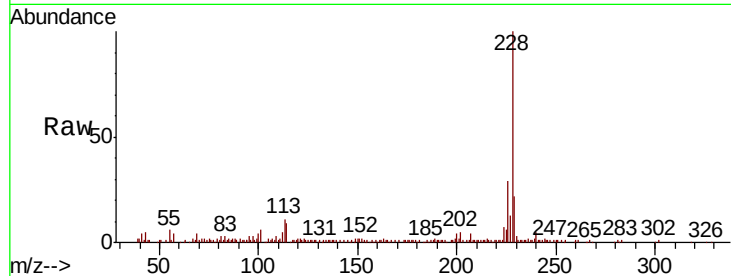




#83
Chrysene
Concen: 2.282 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

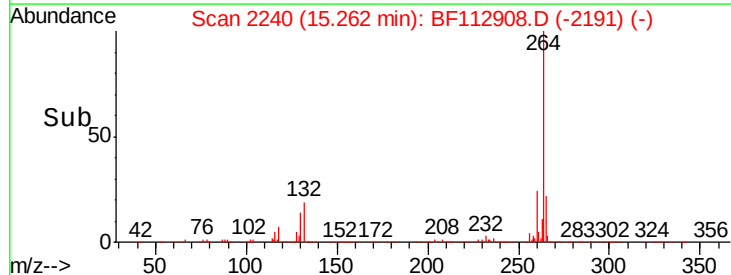
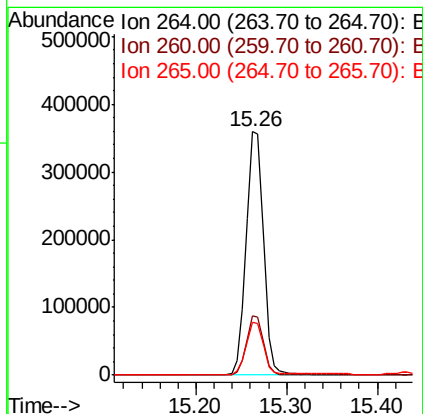
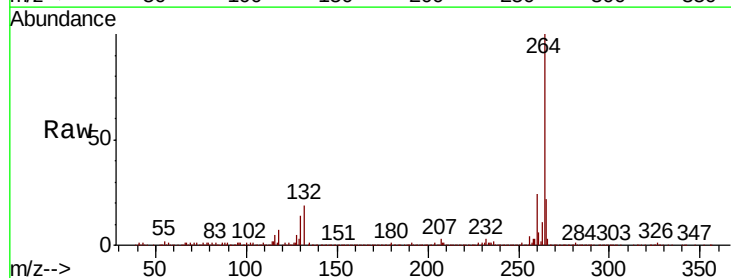
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

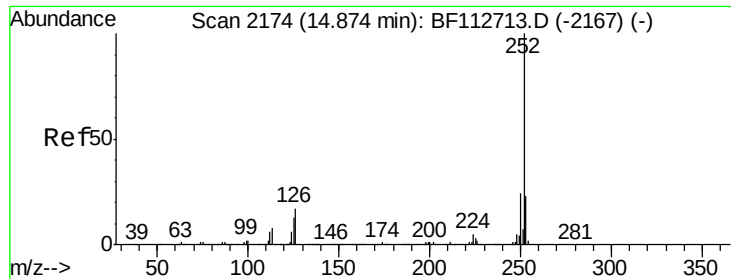
Tgt Ion: 228 Resp: 80643
Ion Ratio Lower Upper
228 100
226 28.9 24.9 37.3
229 22.1 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion: 264 Resp: 478266
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 22.0 17.2 25.8

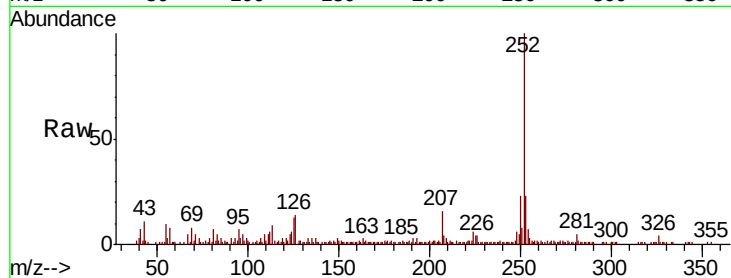




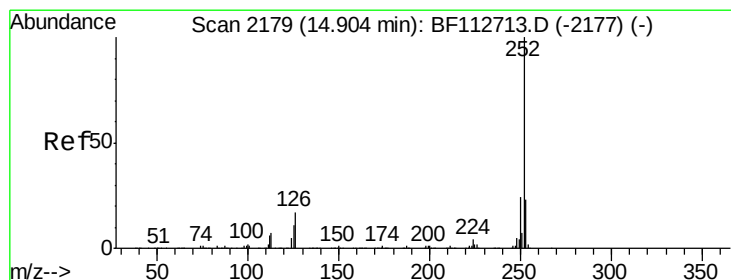
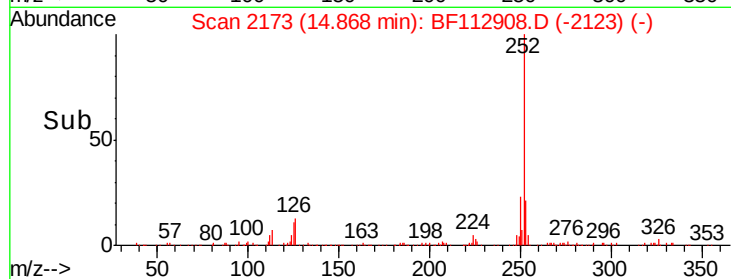
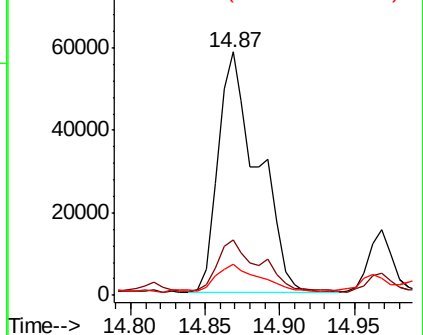
#88
Benzo(b)fluoranthene
Concen: 3.483 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW014-022719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	13.0	10.2	15.2

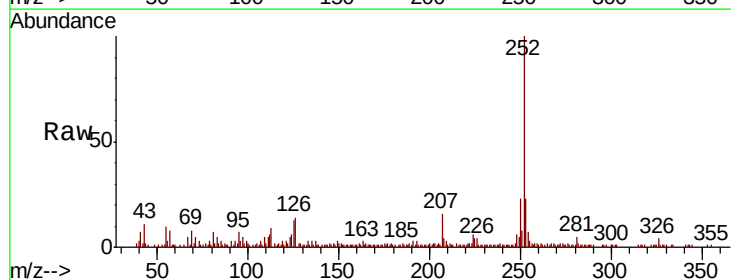


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

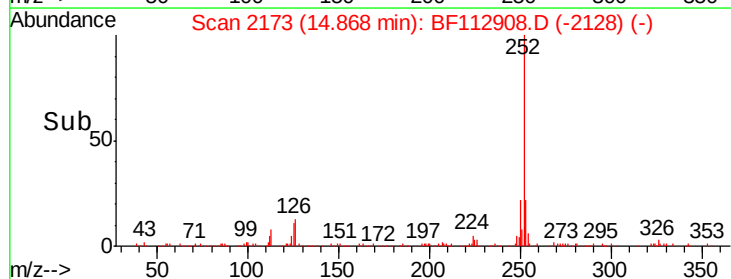
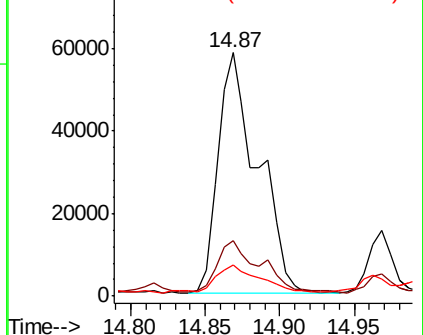


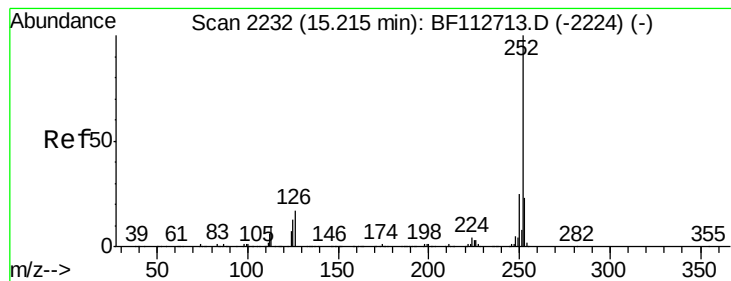
#89
Benzo(k)fluoranthene
Concen: 3.845 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112908.D
Acq: 7 Mar 2019 3:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	13.0	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.241 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF112908.D
 Acq: 7 Mar 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW014-022719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	12.0	10.7	16.1

