

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112875.D
 Acq On : 6 Mar 2019 2:00
 Operator : JU/SJ
 Sample : K1705-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Quant Time: Mar 06 04:16:50 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	6.74	152	171265	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	627960	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	270687	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	493261	20.00	ng	0.00
76) Chrysene-d12	13.87	240	463751	20.00	ng	0.00
87) Perylene-d12	15.29	264	354102	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1185612	107.69	ng	0.01
7) Phenol-d6	6.38	99	1526059	110.34	ng	0.01
23) Nitrobenzene-d5	7.30	82	930304	88.65	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	390507	135.89	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1452428	90.42	ng	0.00
79) Terphenyl-d14	12.83	244	1393105	58.23	ng	0.00

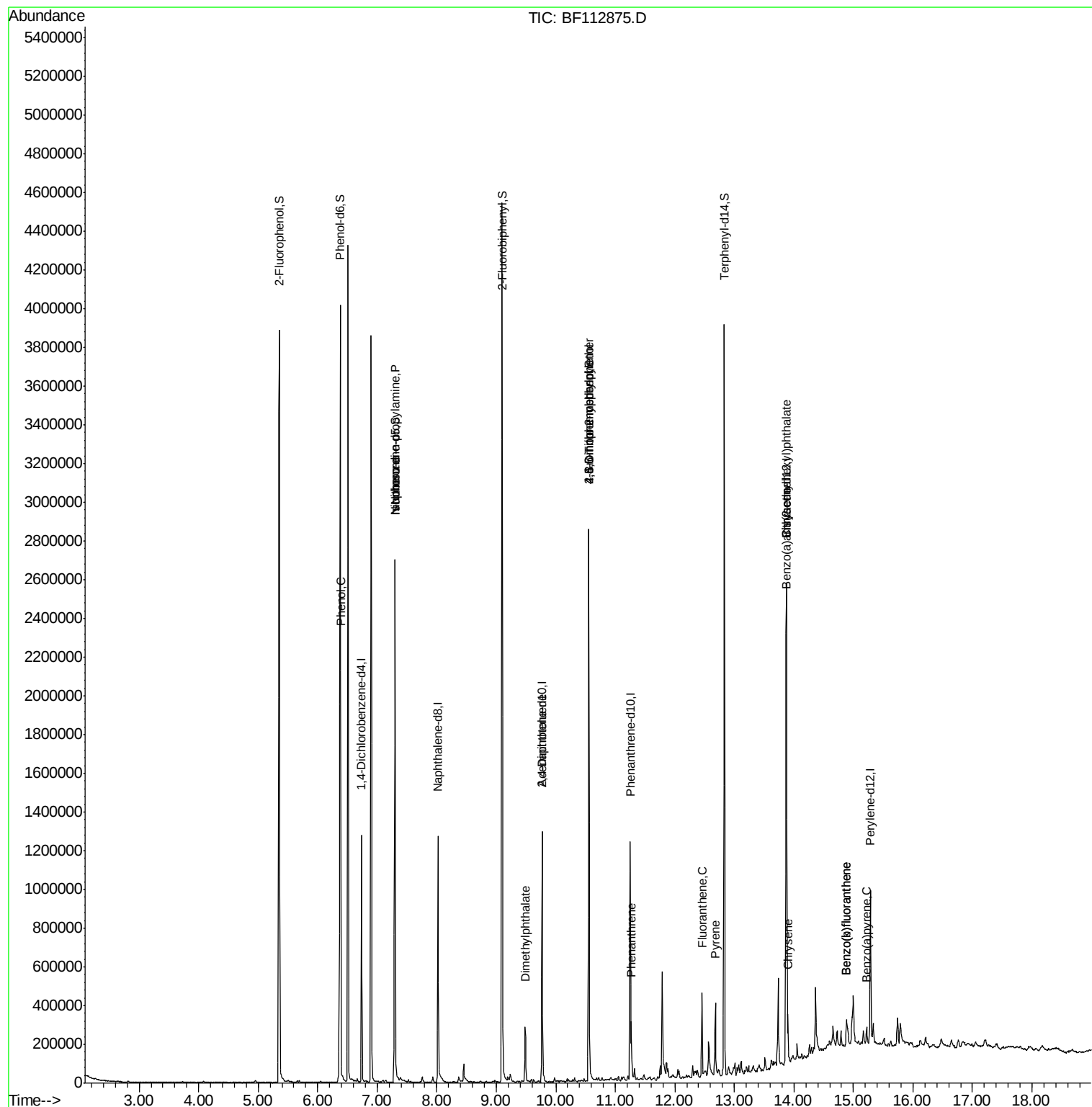
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	104491	6.474	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	123304	14.077	ng	# 78
25) Isophorone	7.30	82	904238	39.996	ng	# 66
50) Dimethylphthalate	9.49	163	123803	6.203	ng	99
57) 2,4-Dinitrotoluene	9.77	165	34004	6.582	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	670	4.912	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	22284	4.289	ng	# 1
71) Phenanthrene	11.27	178	109045	4.443	ng	97
75) Fluoranthene	12.46	202	170292	6.477	ng	95
78) Pyrene	12.68	202	157052	4.017	ng	98
81) Benzo(a)anthracene	13.86	228	84213	2.620	ng	99
83) Chrysene	13.90	228	82922	2.634	ng	95
84) Bis(2-ethylhexyl)phthalate	13.87	149	371456	18.351	ng	98
88) Benzo(b)fluoranthene	14.89	252	97689	4.265	ng	96
89) Benzo(k)fluoranthene	14.89	252	97689	4.709	ng	96
90) Benzo(a)pyrene	15.22	252	45861	2.264	ng	95

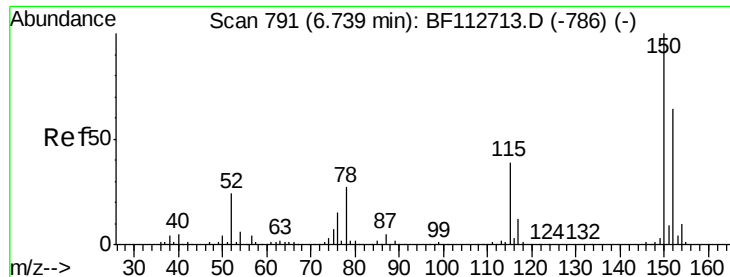
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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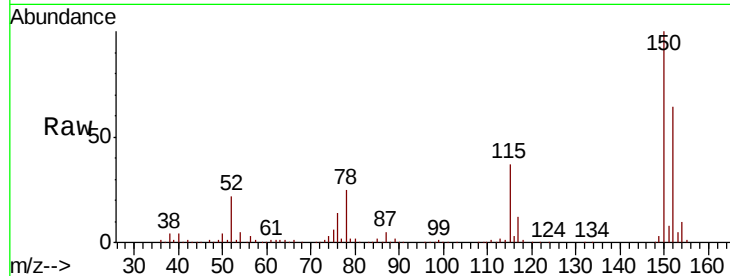


#1

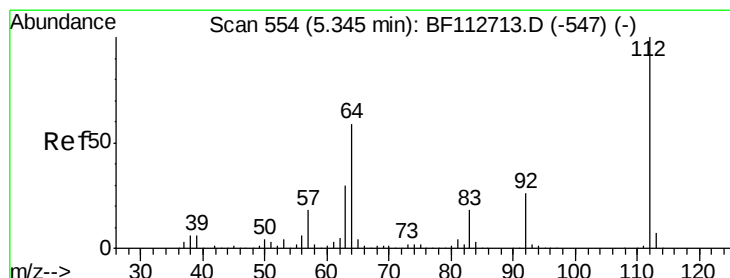
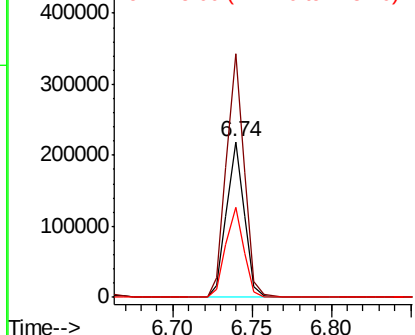
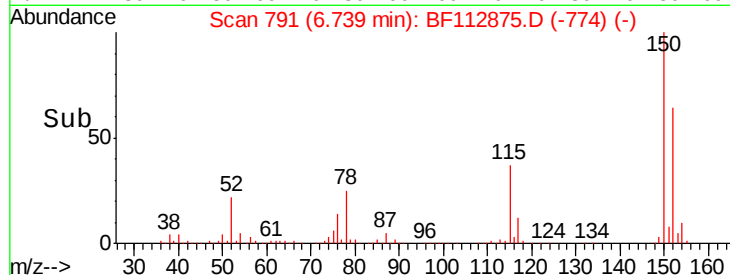
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tgt Ion:152 Resp: 171265
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 58.2 48.2 72.4



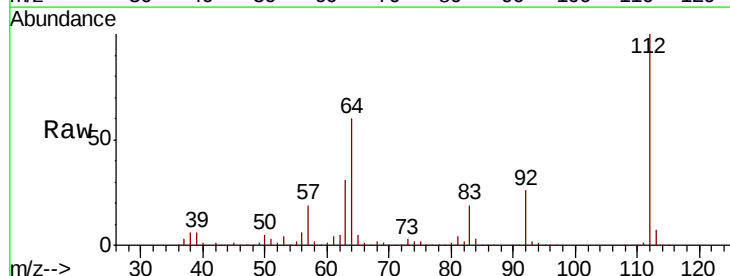
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



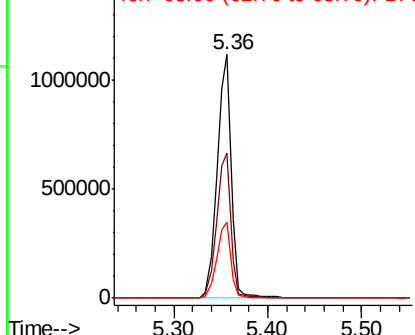
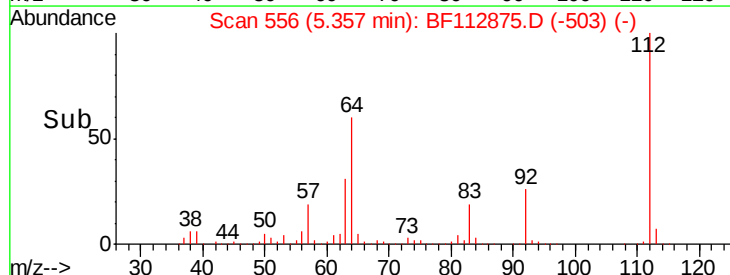
#5

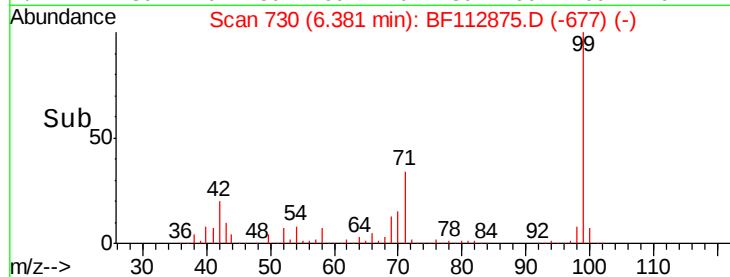
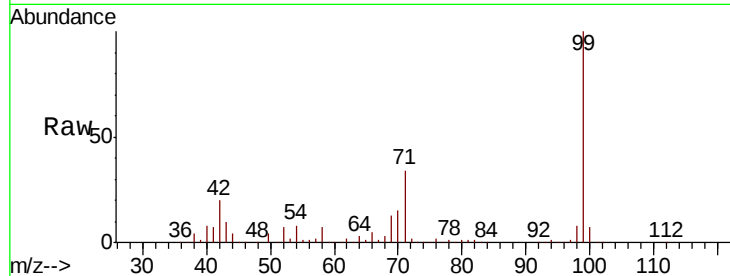
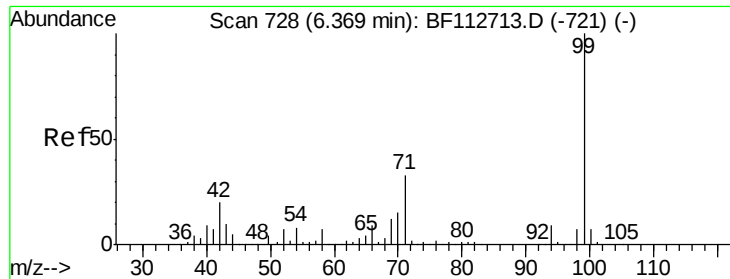
2-Fluorophenol
Concen: 107.685 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion:112 Resp: 1185612
Ion Ratio Lower Upper
112 100
64 59.5 47.6 71.4
63 31.3 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: 110.341 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW008-022719

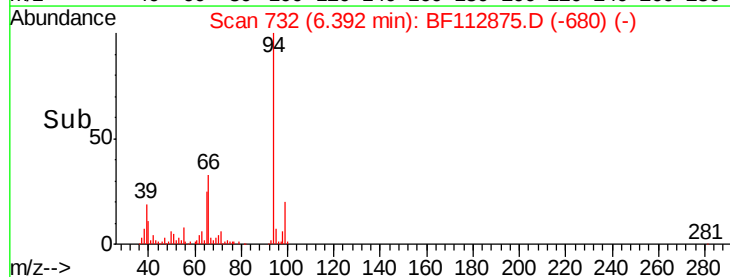
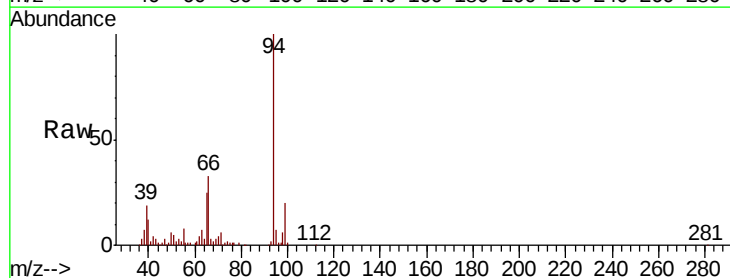
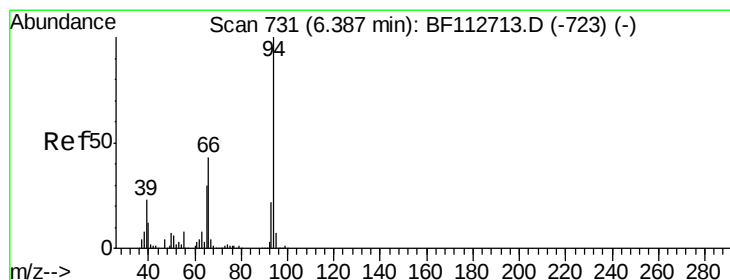
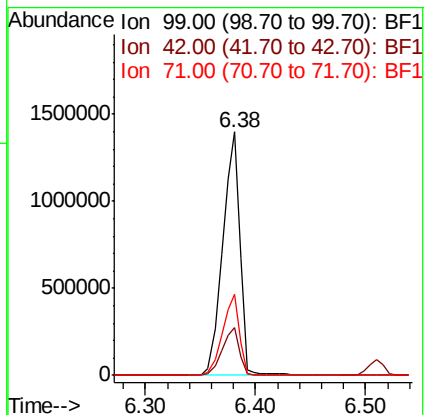
Tgt Ion: 99 Resp: 1526059

Ion Ratio Lower Upper

99 100

42 19.8 16.3 24.5

71 33.5 26.2 39.4



#10

Phenol

Concen: 6.474 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

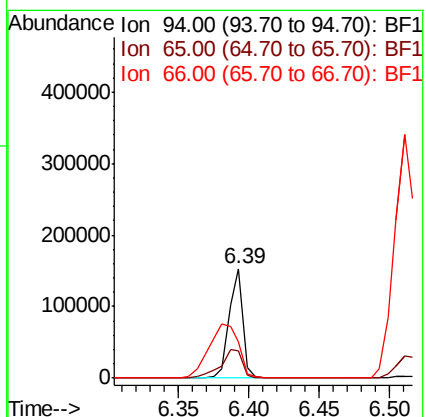
Tgt Ion: 94 Resp: 104491

Ion Ratio Lower Upper

94 100

65 25.5 10.5 50.5

66 33.0 22.6 62.6

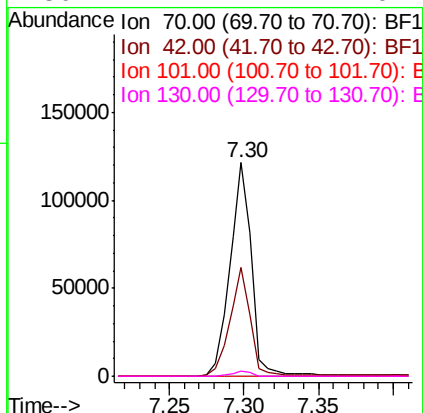
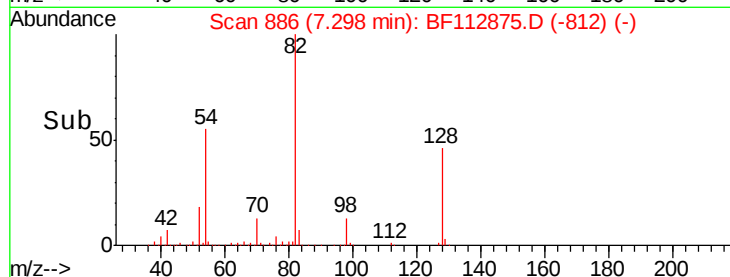
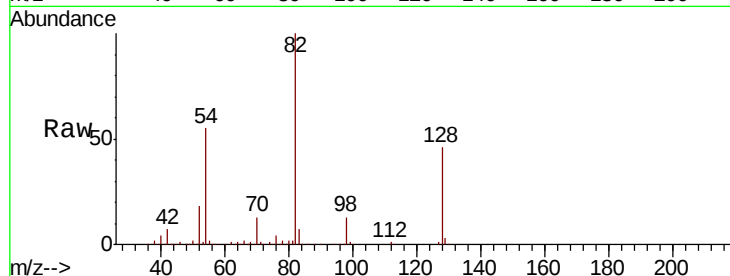




#19
n-Nitroso-di-n-propylamine
Concen: 14.077 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

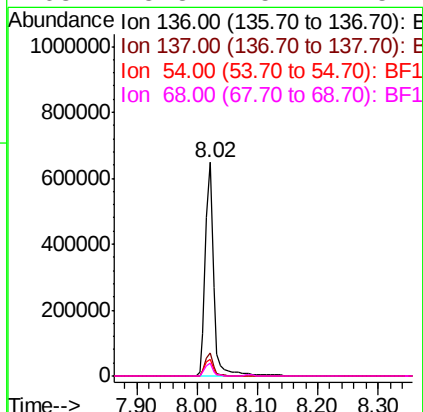
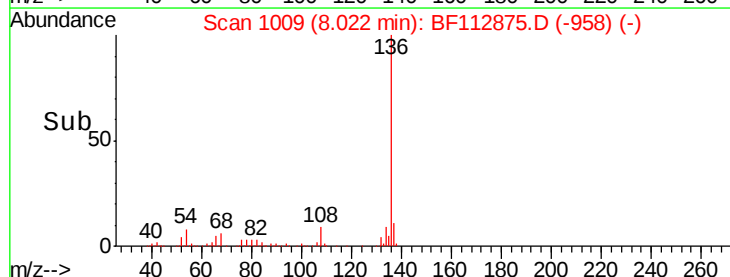
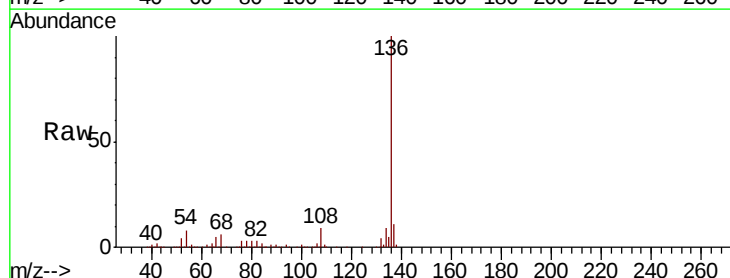
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

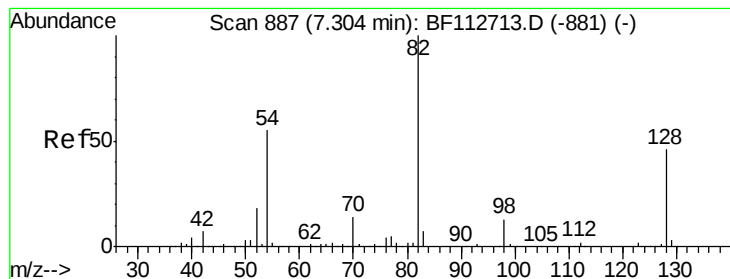
Tgt Ion:	70	Resp:	123304
Ion	Ratio	Lower	Upper
70	100		
42	50.9	49.9	74.9
101	0.0	7.4	11.2#
130	2.4	17.4	26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion:	136	Resp:	627960
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	7.3	10.9
68	5.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 88.648 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW008-022719

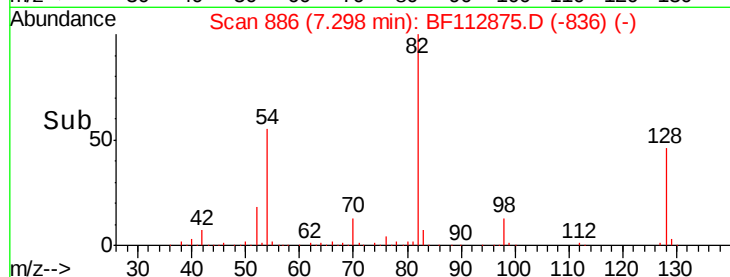
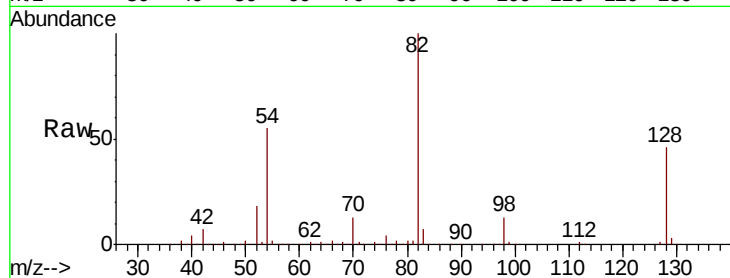
Tgt Ion: 82 Resp: 930304

Ion Ratio Lower Upper

82 100

128 45.5 36.3 54.5

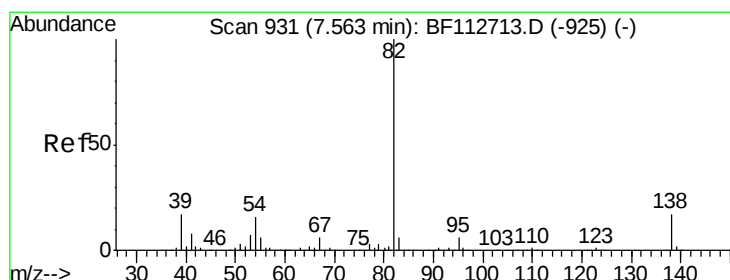
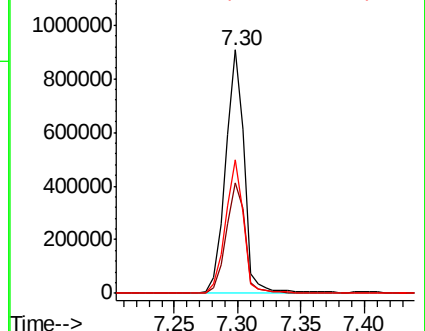
54 54.8 43.7 65.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.996 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

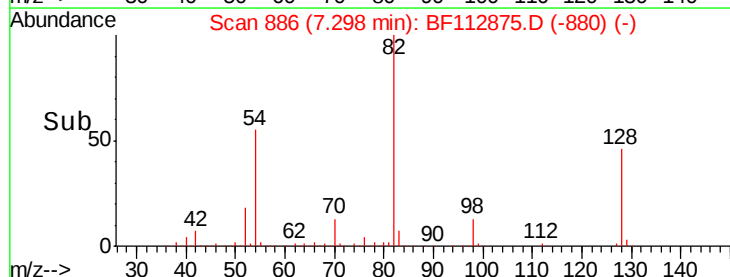
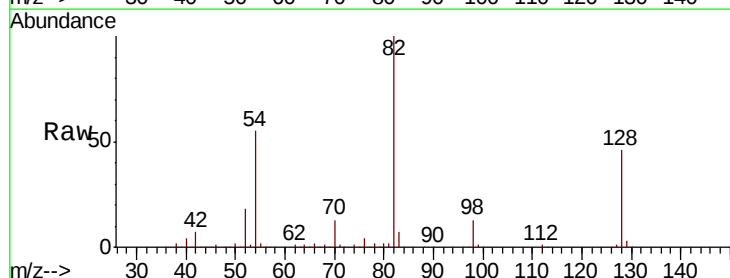
Tgt Ion: 82 Resp: 904238

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

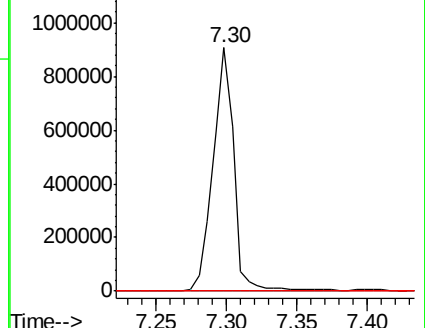
138 0.0 13.8 20.8#



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

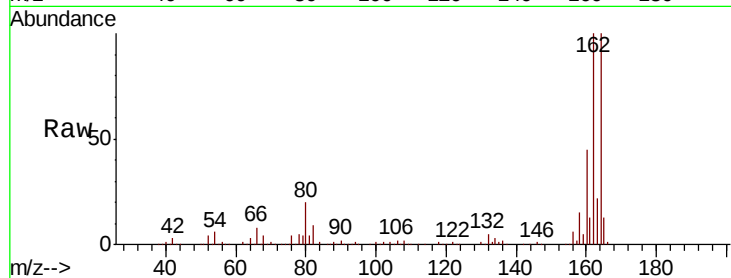




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	45.4	36.0	54.0

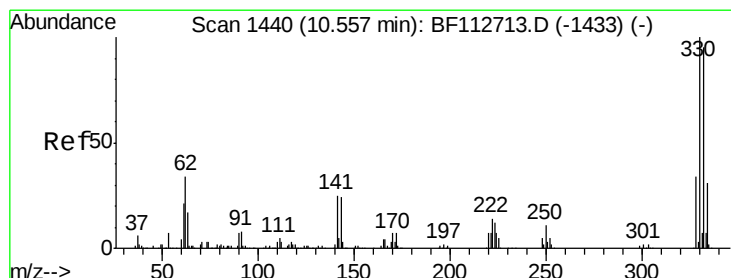
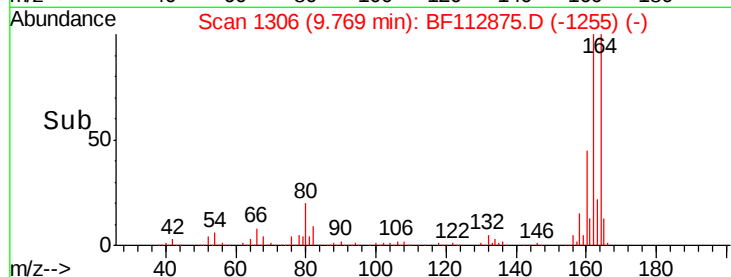
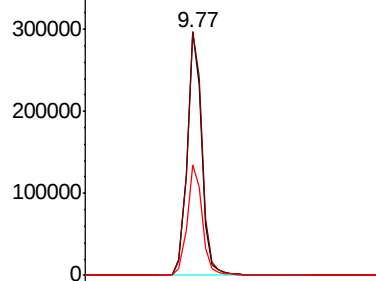


Abundance

Ion 164.00 (163.70 to 164.70): E

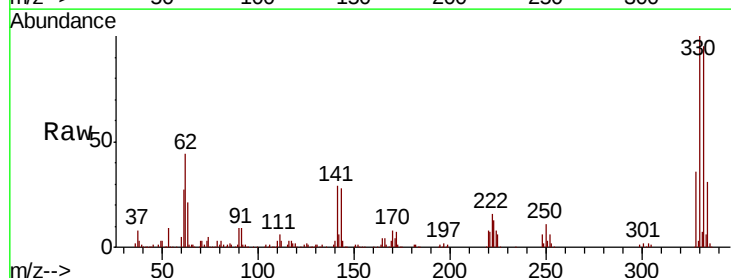
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 135.891 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	29.5	27.0	40.6

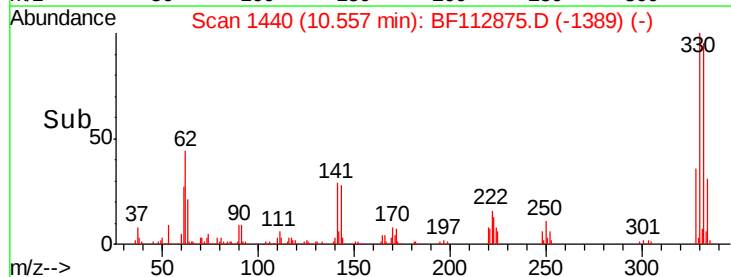
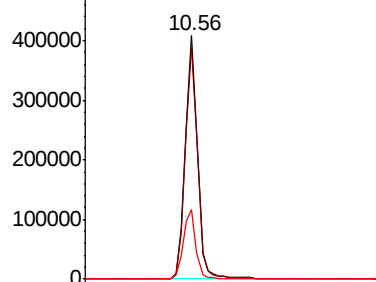


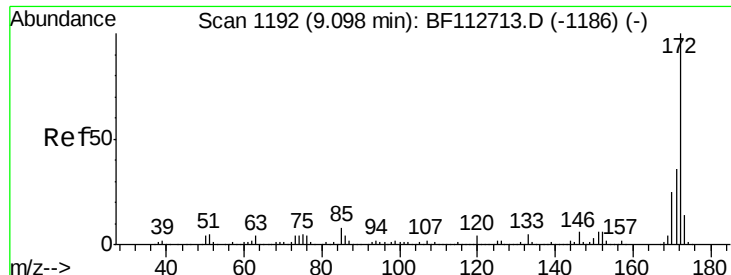
Abundance

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

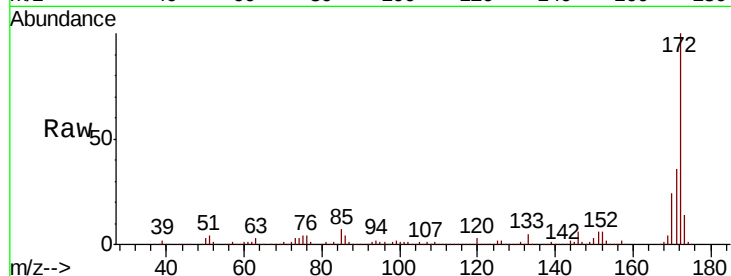




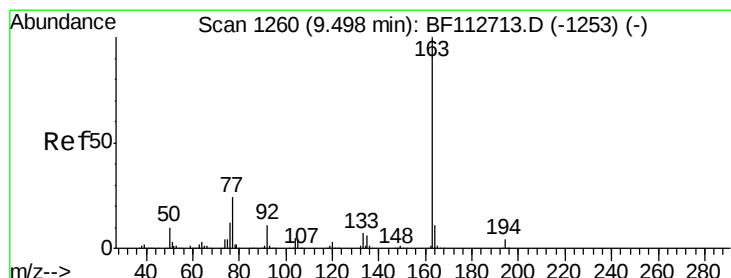
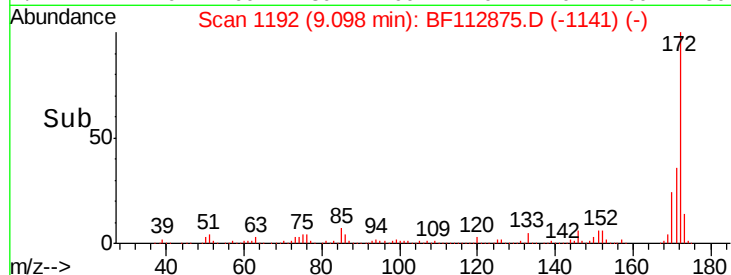
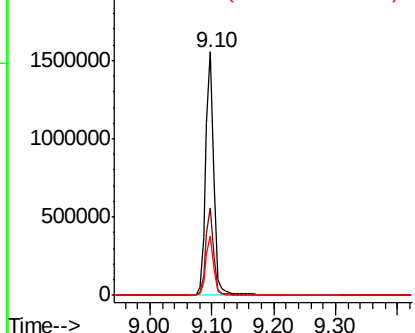
#45
 2-Fluorobiphenyl
 Concen: 90.424 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Tgt Ion:172 Resp: 1452428
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.3 20.0 30.0

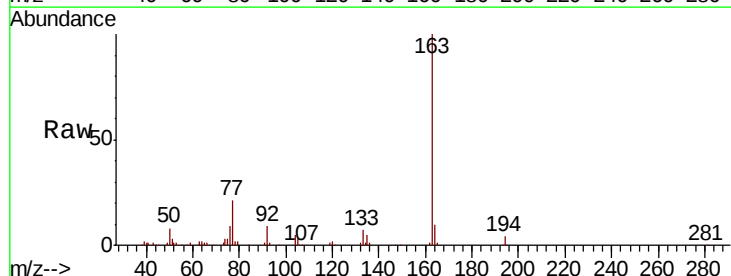


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

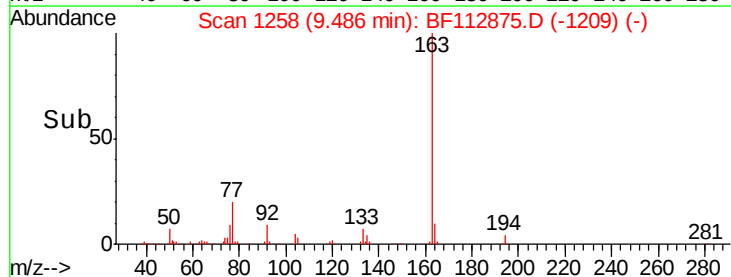
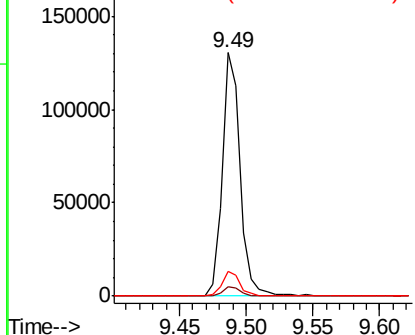


#50
 Dimethylphthalate
 Concen: 6.203 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Tgt Ion:163 Resp: 123803
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.0 4.4
 164 10.3 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

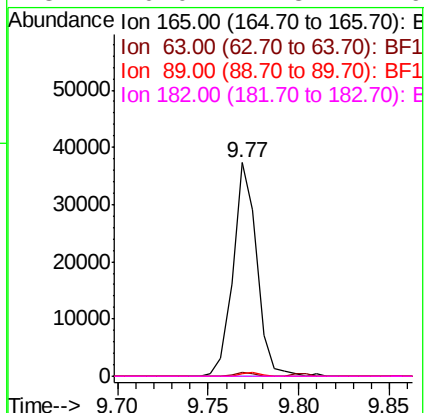
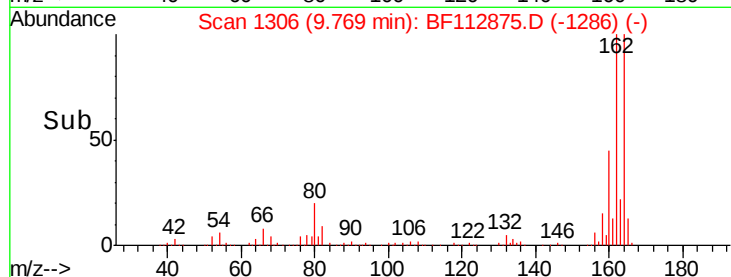
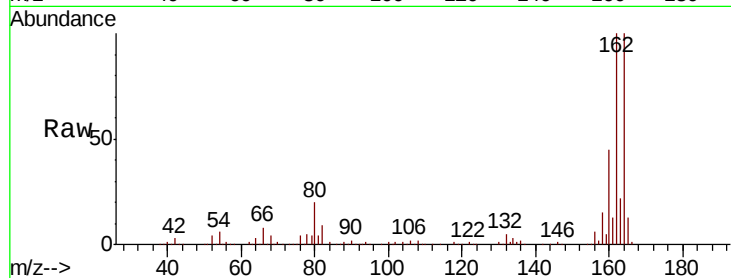




#57
 2,4-Dinitrotoluene
 Concen: 6.582 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.18 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

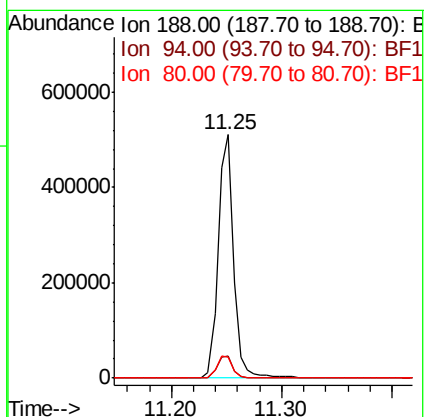
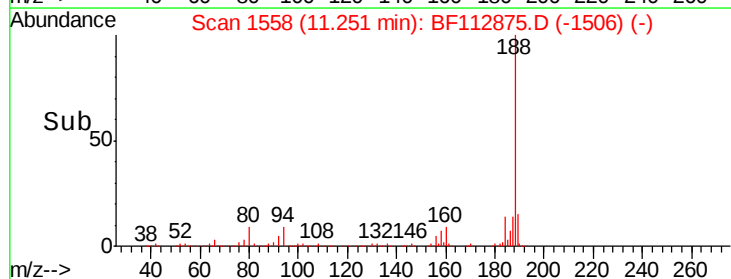
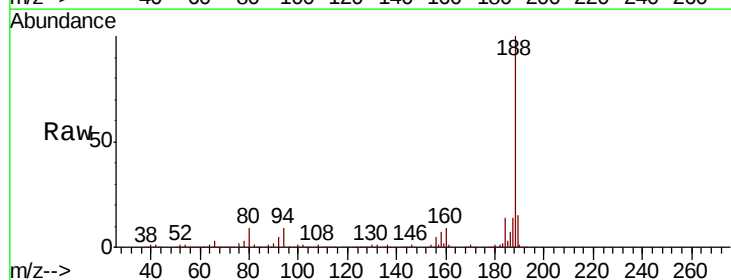
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Tgt Ion:	165	Resp:	34004
Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.3	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: BF112875.D
 Acq: 6 Mar 2019 2:00

Tgt Ion:	188	Resp:	493261
Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	8.8	9.2	13.8#

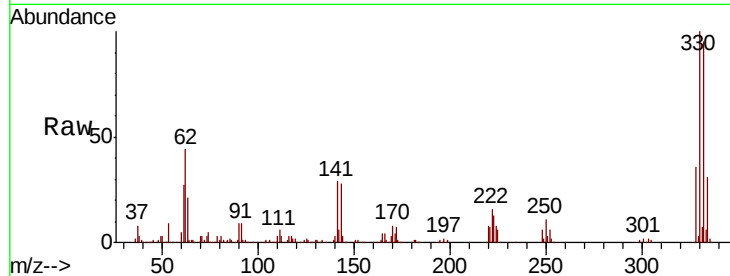




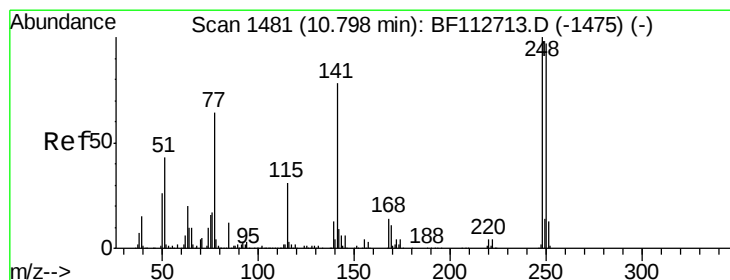
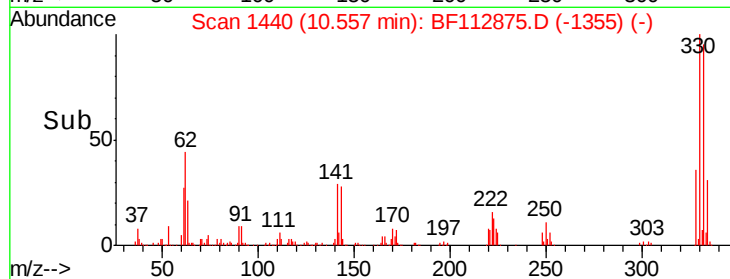
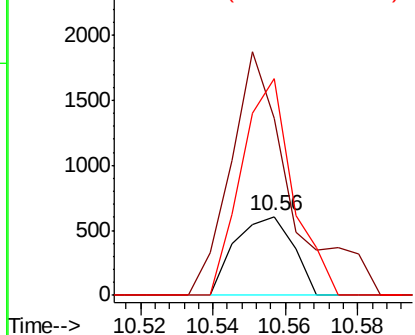
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.912 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Tgt Ion:198 Resp: 670
 Ion Ratio Lower Upper
 198 100
 51 224.7 43.8 83.8#
 105 275.2 36.5 76.5#

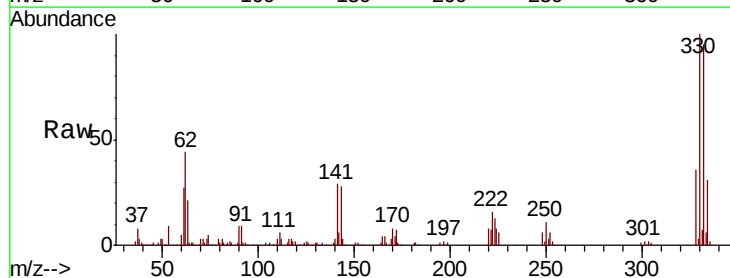


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

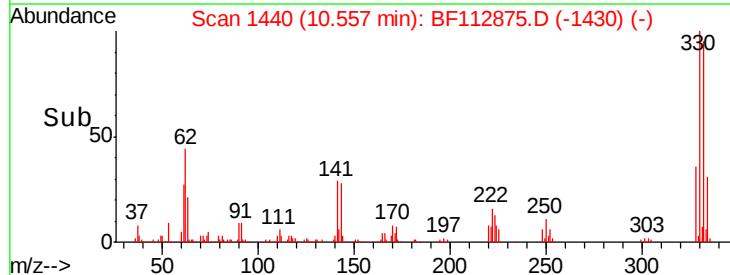
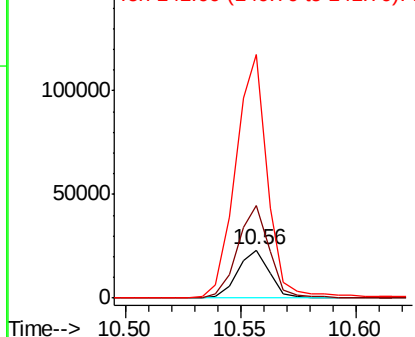


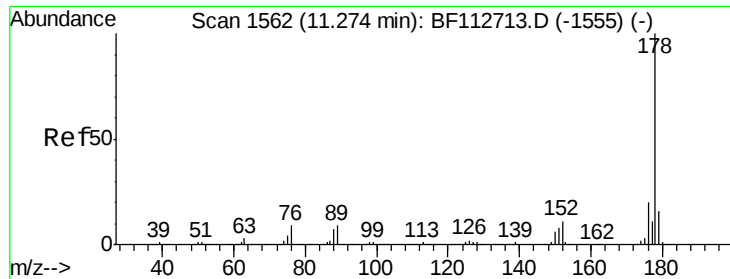
#67
 4-Bromophenyl-phenylether
 Concen: 4.289 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Tgt Ion:248 Resp: 22284
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.5 116.3#
 141 503.8 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

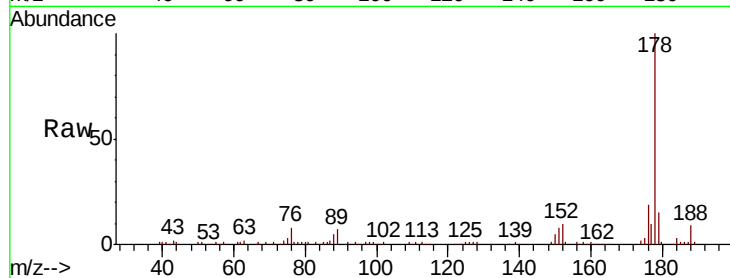




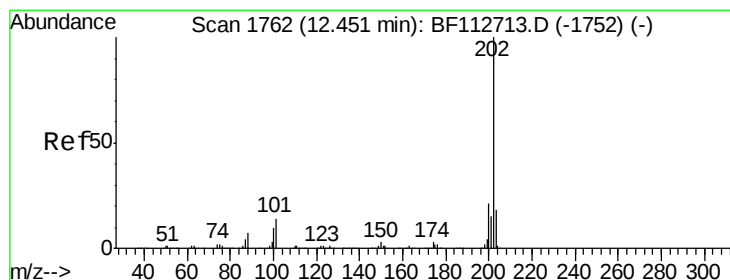
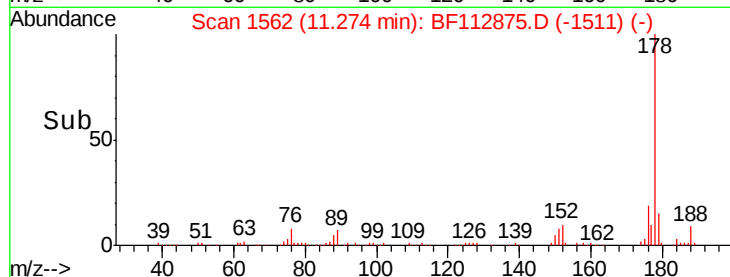
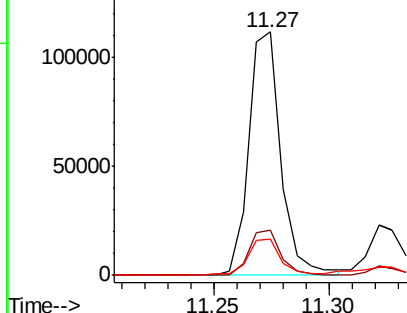
#71
Phenanthrene
Concen: 4.443 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.3	24.5
179	14.7	12.7	19.1

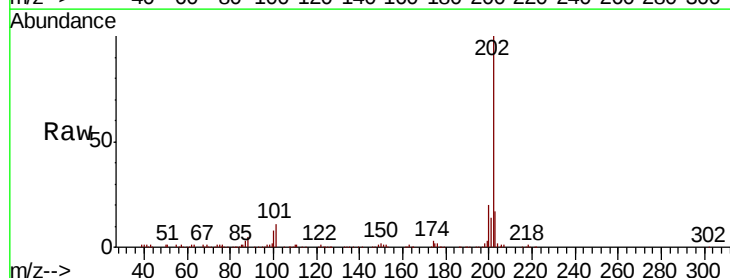


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

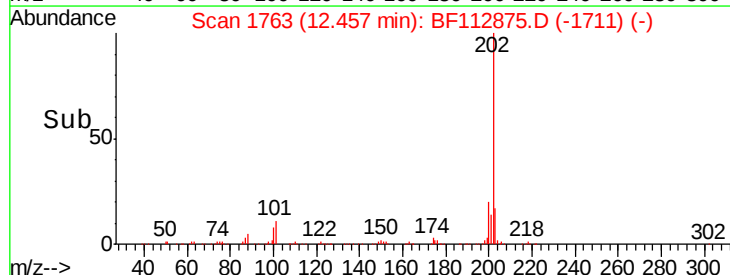
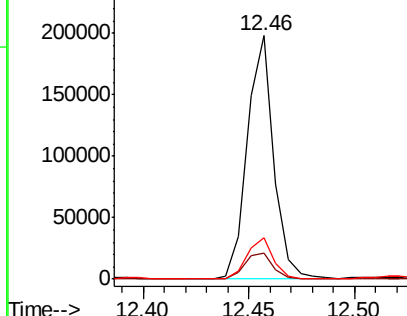


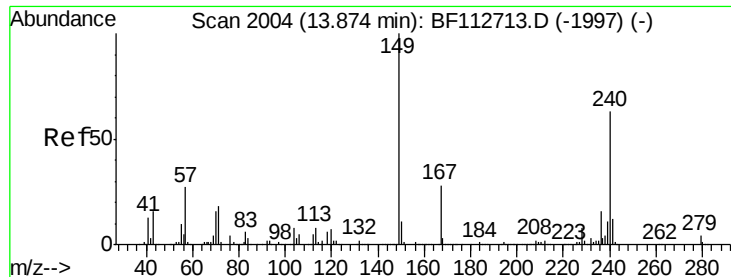
#75
Fluoranthene
Concen: 6.477 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.8
203	17.1	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

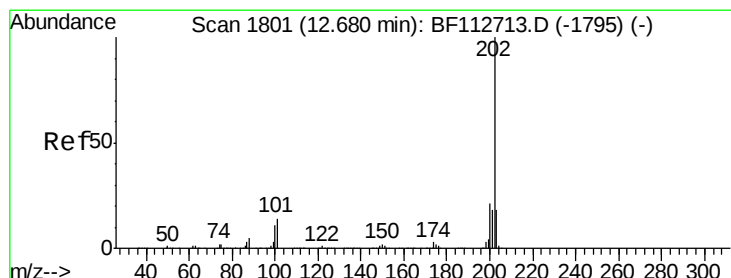
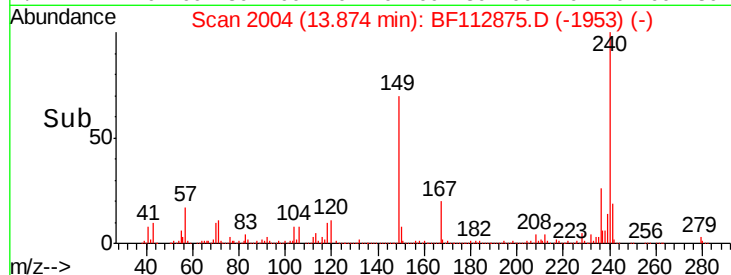
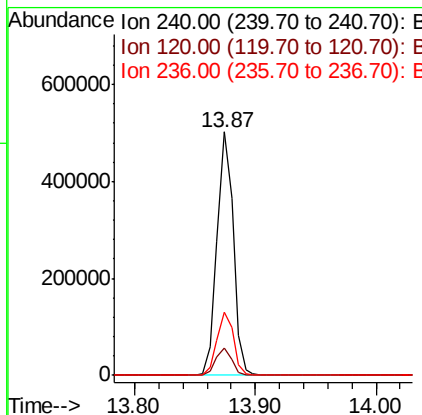
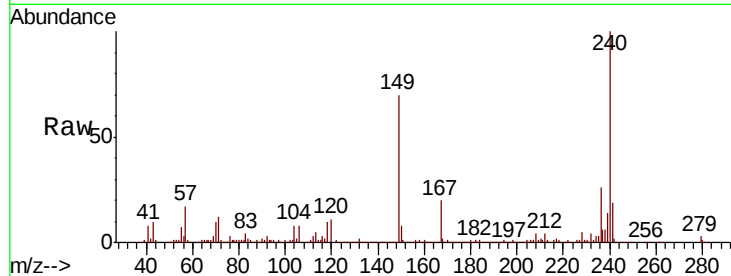




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

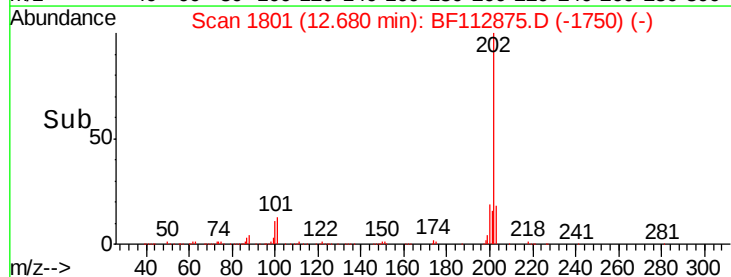
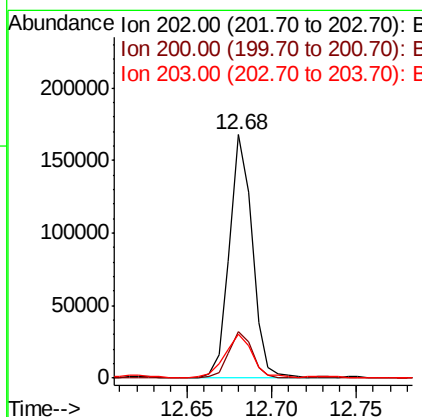
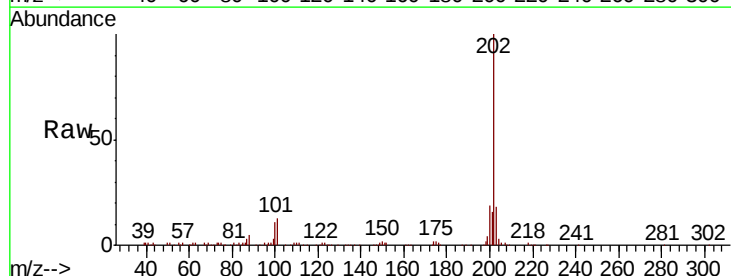
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

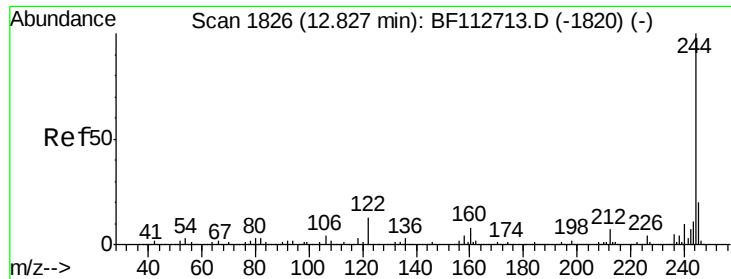
Tgt Ion:240 Resp: 463751
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.1 20.7 31.1



#78
Pyrene
Concen: 4.017 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion:202 Resp: 157052
Ion Ratio Lower Upper
202 100
200 19.3 17.0 25.4
203 18.1 14.4 21.6

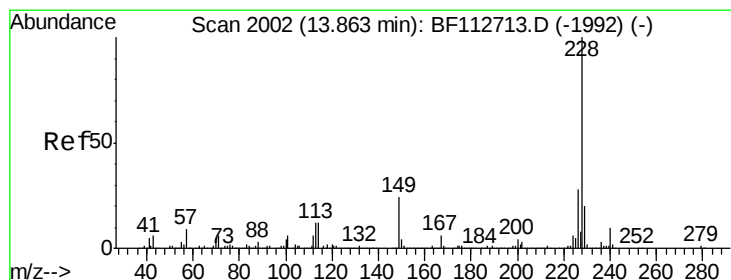
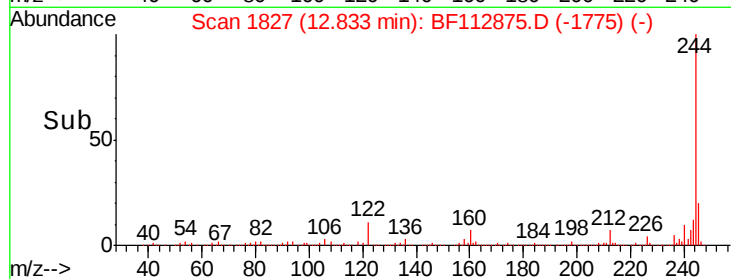
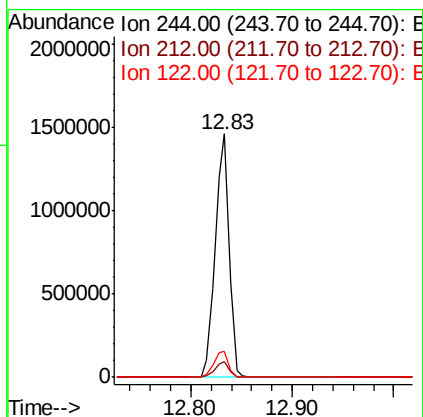
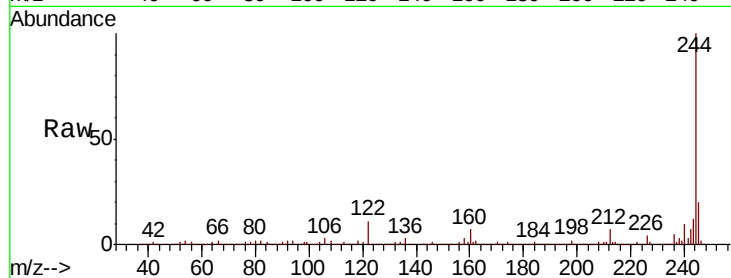




#79
 Terphenyl-d14
 Concen: 58.232 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

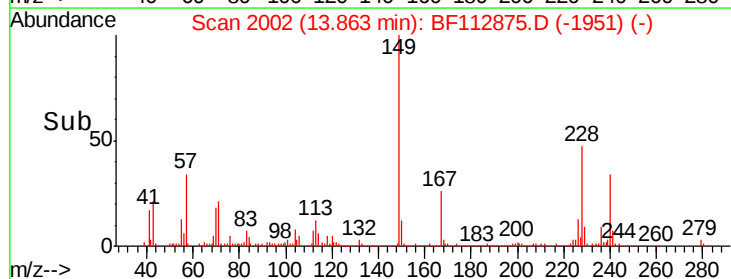
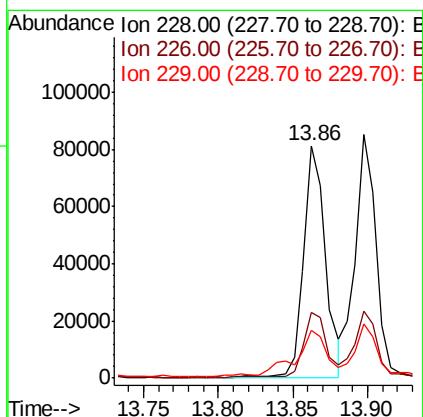
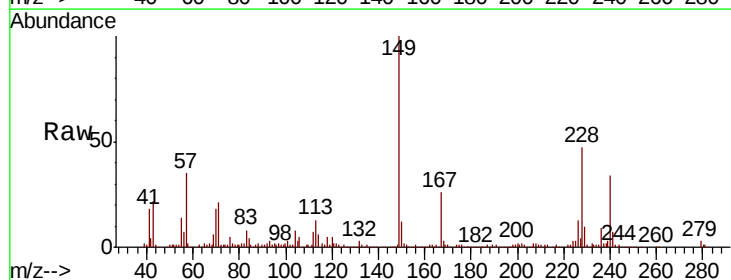
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

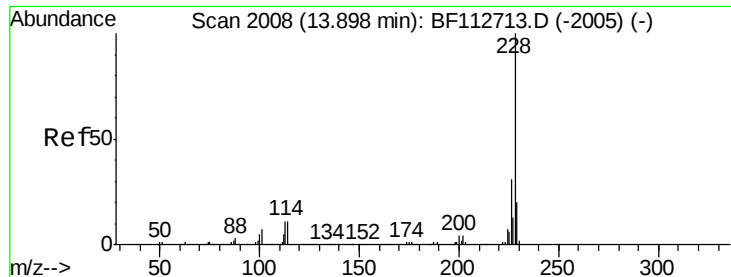
Tgt Ion:244 Resp: 1393105
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.7 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.620 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Tgt Ion:228 Resp: 84213
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.2 33.4
 229 20.5 16.0 24.0

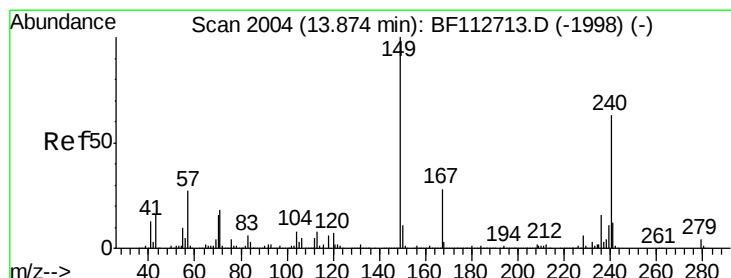
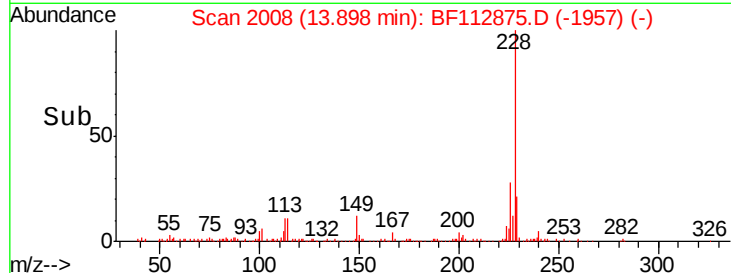
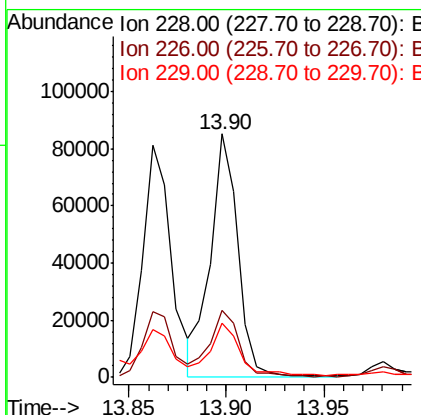
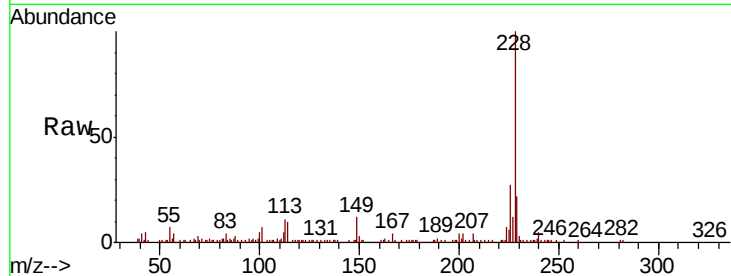




#83
 Chrysene
 Concen: 2.634 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

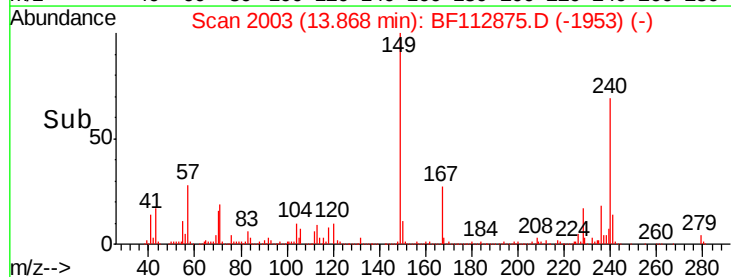
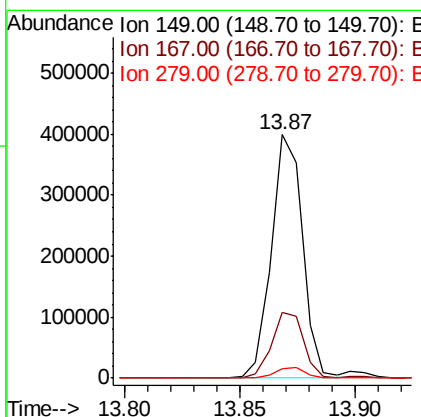
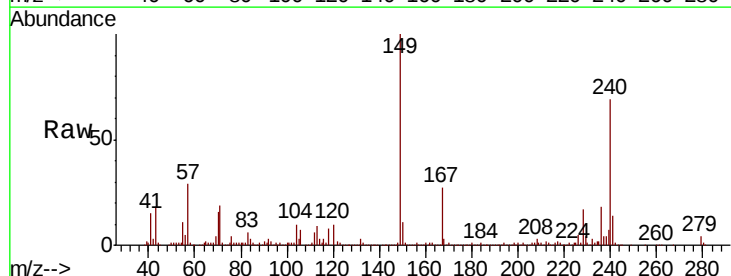
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

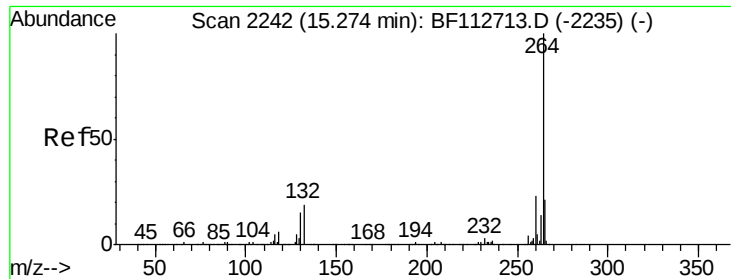
Tgt Ion: 228 Resp: 82922
 Ion Ratio Lower Upper
 228 100
 226 27.4 24.9 37.3
 229 22.0 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 18.351 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF112875.D
 Acq: 6 Mar 2019 2:00

Tgt Ion: 149 Resp: 371456
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.4 33.6
 279 3.9 3.3 4.9





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW008-022719

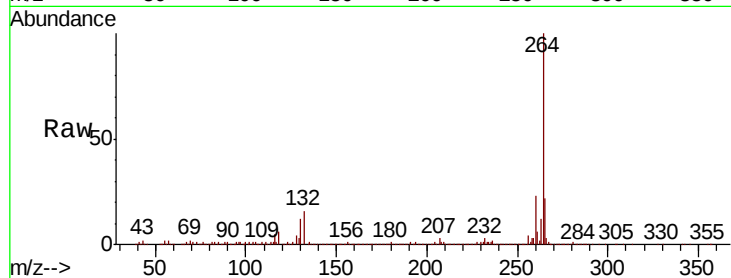
Tgt Ion:264 Resp: 354102

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

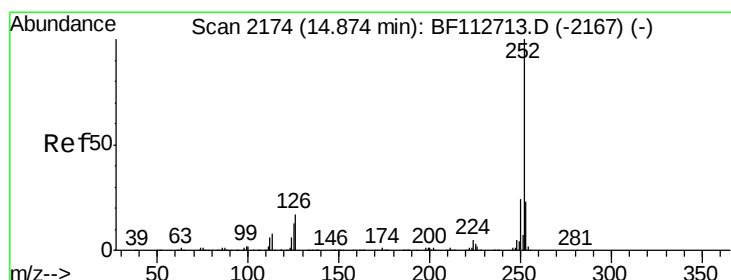
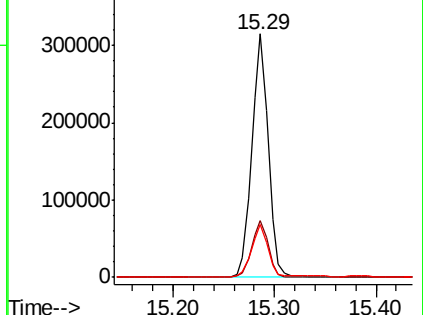
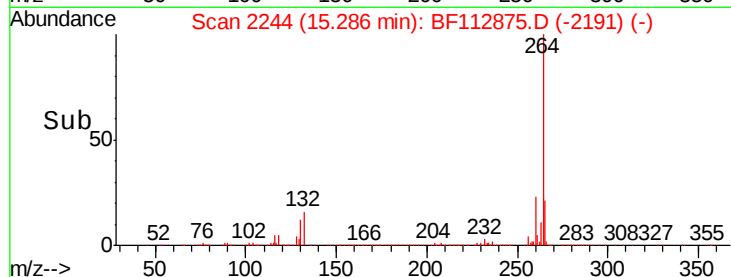
265 21.7 17.2 25.8



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



#88

Benzo(b)fluoranthene

Concen: 4.265 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112875.D

Acq: 6 Mar 2019 2:00

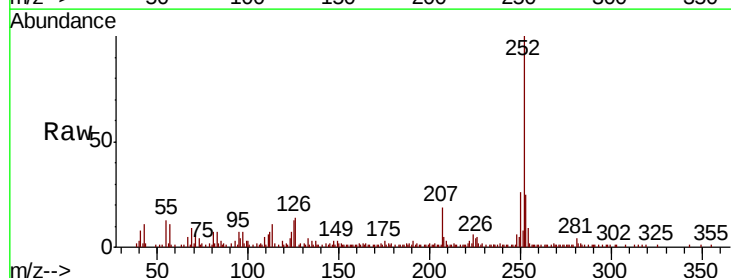
Tgt Ion:252 Resp: 97689

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

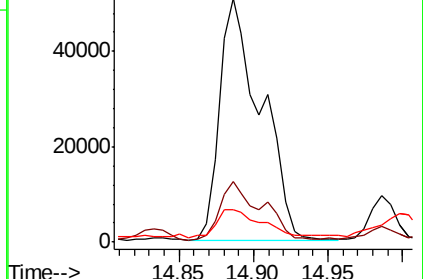
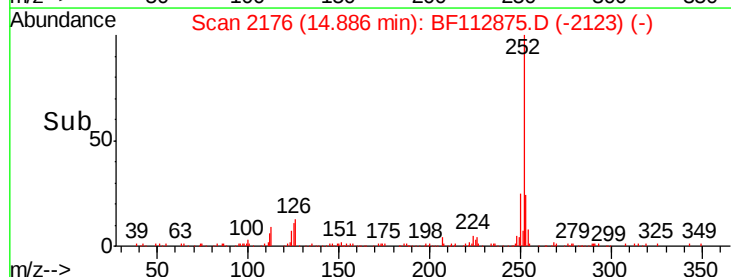
125 13.5 10.2 15.2

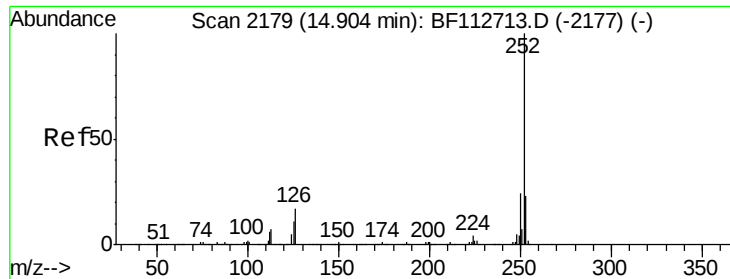


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

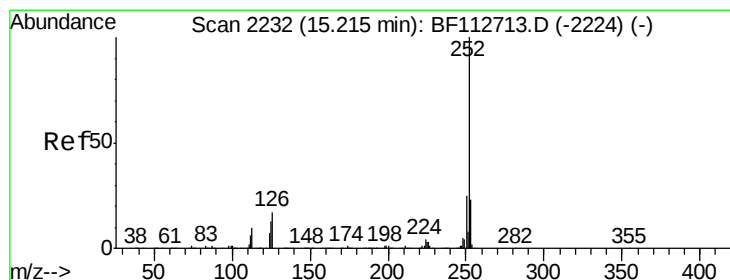
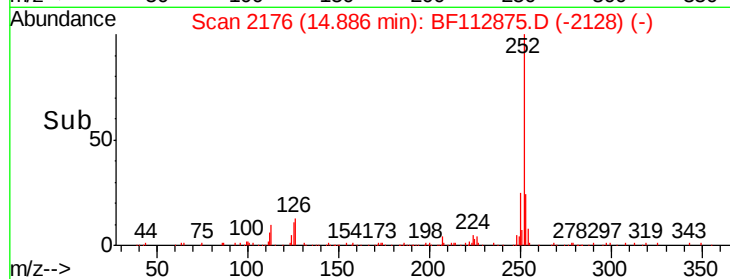
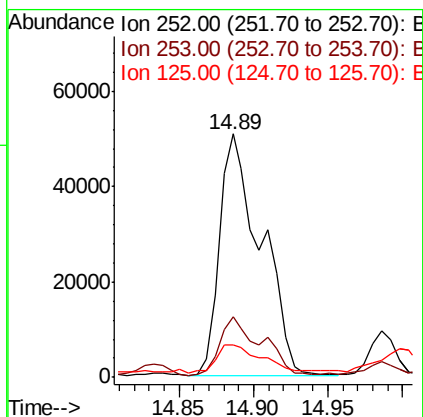
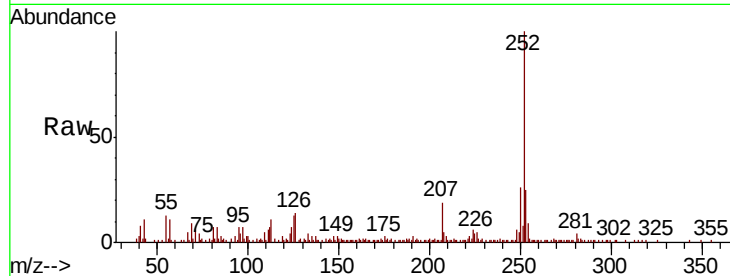




#89
Benzo(k)fluoranthene
Concen: 4.709 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tgt Ion:252 Resp: 97689
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 13.5 9.8 14.6



#90
Benzo(a)pyrene
Concen: 2.264 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112875.D
Acq: 6 Mar 2019 2:00

Tgt Ion:252 Resp: 45861
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 15.7 10.7 16.1

