

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115891.D
 Acq On : 1 Aug 2019 2:31
 Operator : HP/JU
 Sample : K4049-06 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Quant Time: Aug 01 05:01:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

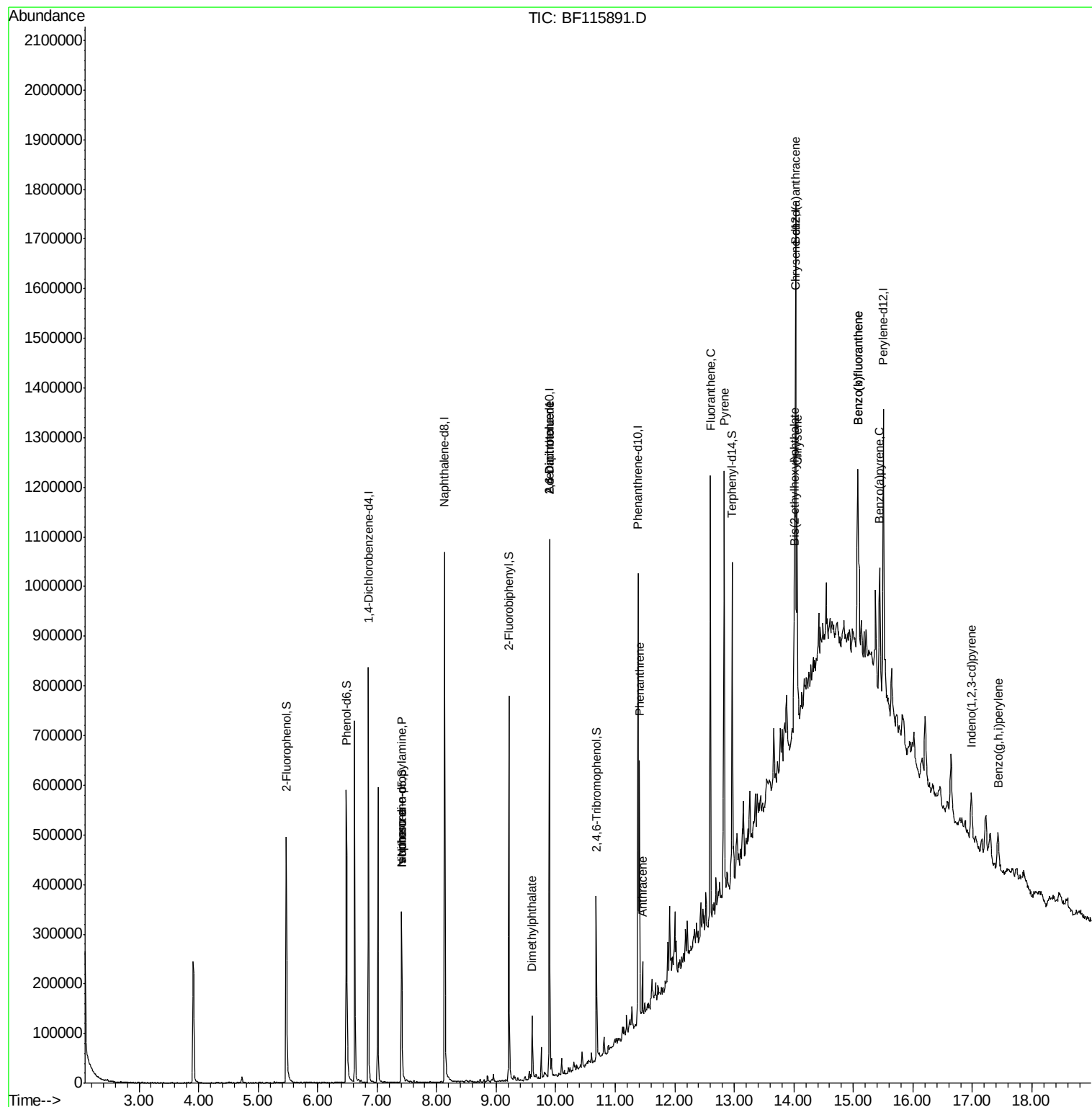
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124429	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	465017	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	222788	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	332199	20.00	ng	0.00
76) Chrysene-d12	14.03	240	284841	20.00	ng	0.00
87) Perylene-d12	15.50	264	262951	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	168521	22.67	ng	0.00
7) Phenol-d6	6.48	99	221724	23.64	ng	0.00
23) Nitrobenzene-d5	7.41	82	117031	14.53	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	40442	18.72	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	236129	19.85	ng	0.00
79) Terphenyl-d14	12.96	244	199126	14.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	15742	2.709	ng	Qvalue # 80
25) Isophorone	7.41	82	117030	7.597	ng	# 66
50) Dimethylphthalate	9.60	163	47730	3.146	ng	99
51) 2,6-Dinitrotoluene	9.89	165	29124	8.835	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	29124	6.636	ng	# 25
71) Phenanthrene	11.40	178	189287	11.146	ng	99
72) Anthracene	11.46	178	41406	2.409	ng	98
75) Fluoranthene	12.60	202	332780	18.717	ng	99
78) Pyrene	12.83	202	339218	15.798	ng	99
81) Benzo(a)anthracene	14.02	228	177119	9.729	ng	97
83) Chrysene	14.05	228	160894	9.103	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	60262	5.106	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.98	276	64527	4.347	ng	97
88) Benzo(b)fluoranthene	15.07	252	244231	16.063	ng	# 91
89) Benzo(k)fluoranthene	15.07	252	244231	16.492	ng	# 95
90) Benzo(a)pyrene	15.44	252	121322	8.926	ng	# 91
92) Benzo(g,h,i)perylene	17.43	276	61207	5.297	ng	95

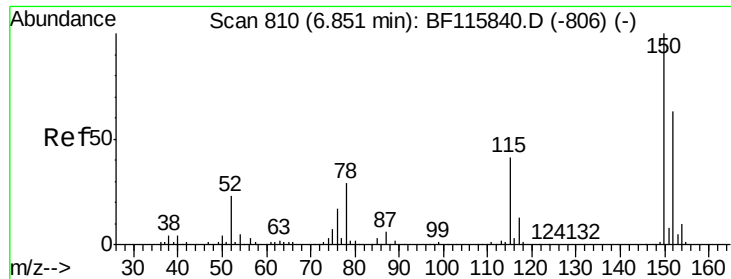
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115891.D
Acq On : 1 Aug 2019 2:31
Operator : HP/JU
Sample : K4049-06 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SP-6

Quant Time: Aug 01 05:01:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

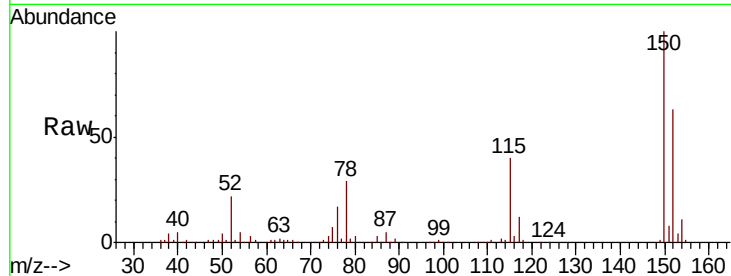




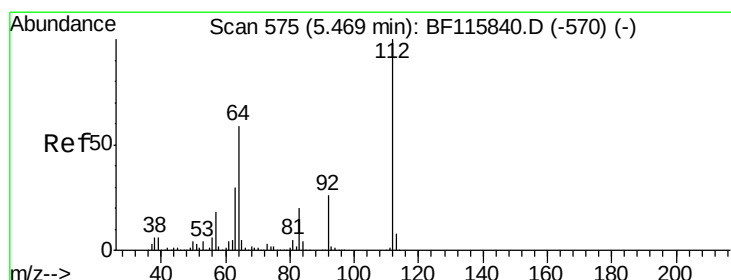
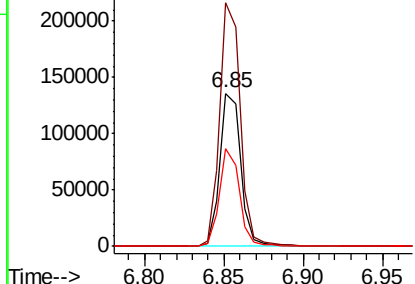
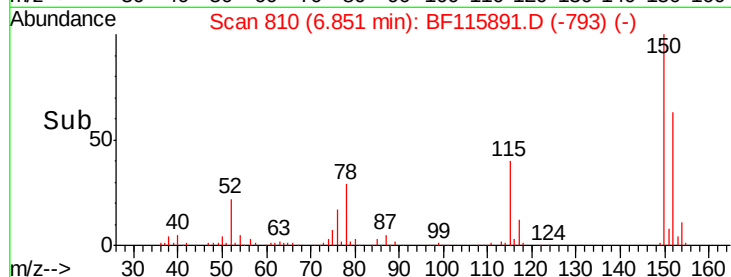
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleID :
 SP-6

Tgt Ion:152 Resp: 124429
 Ion Ratio Lower Upper
 152 100
 150 158.8 127.4 191.0
 115 63.4 51.8 77.8

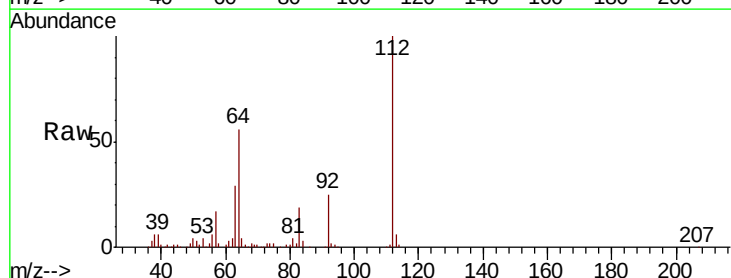


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

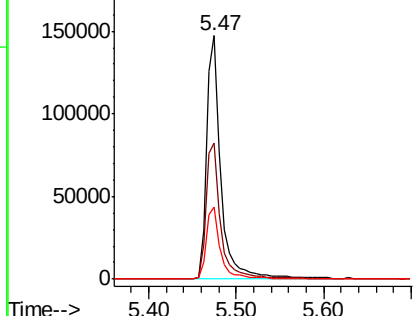
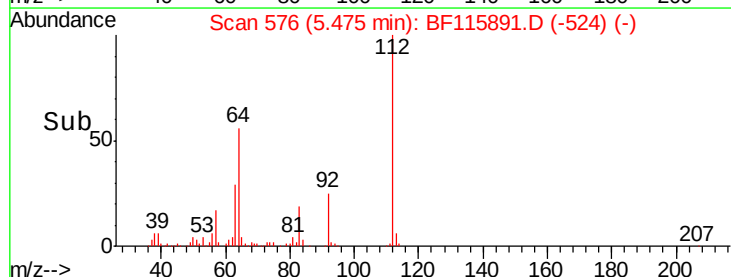


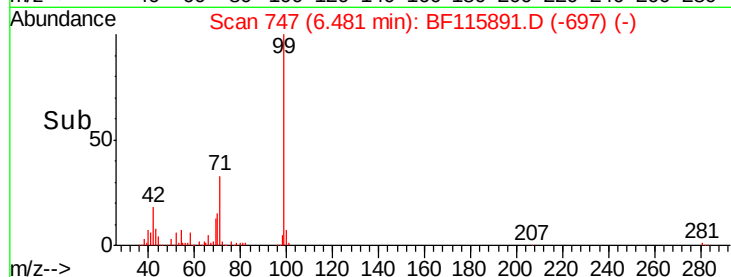
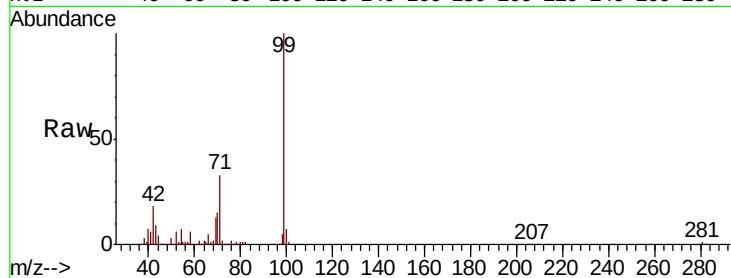
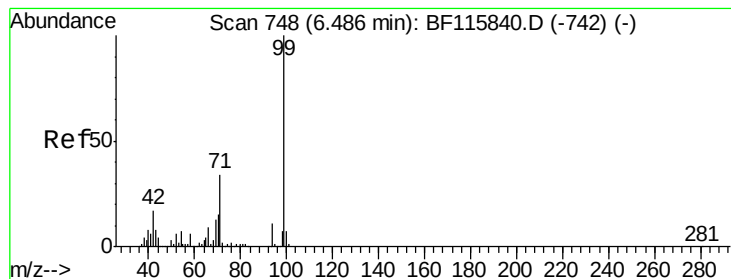
#5
 2-Fluorophenol
 Concen: 22.673 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Tgt Ion:112 Resp: 168521
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.8 70.2
 63 29.4 24.2 36.2



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: 23.644 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

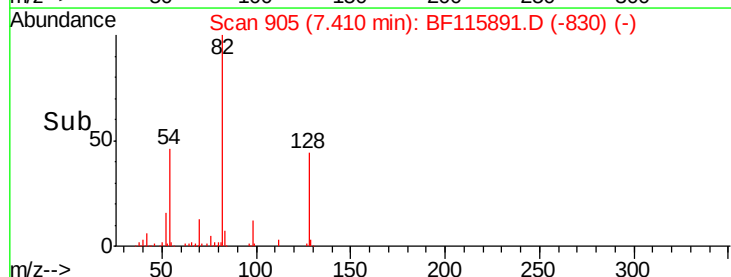
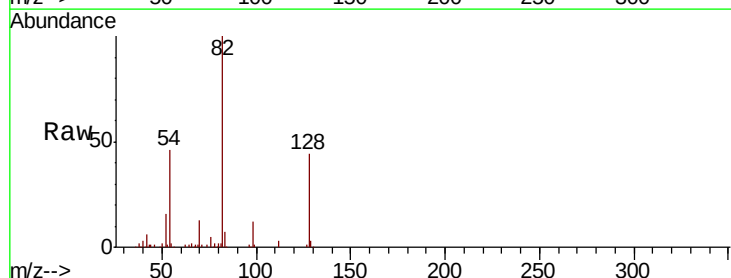
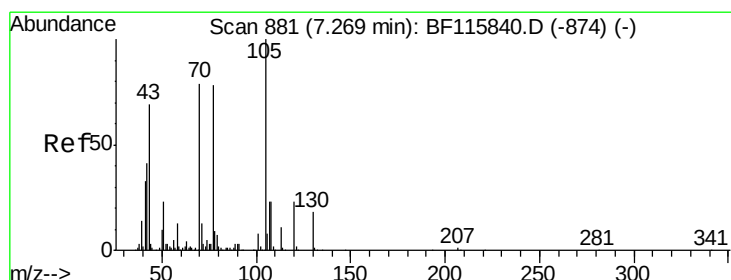
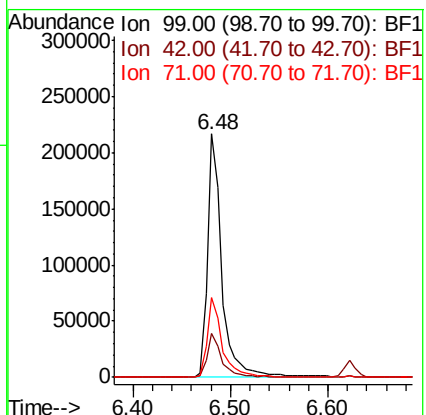
Tgt Ion: 99 Resp: 221724

Ion Ratio Lower Upper

99 100

42 18.0 13.8 20.6

71 32.7 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.709 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Tgt Ion: 70 Resp: 15742

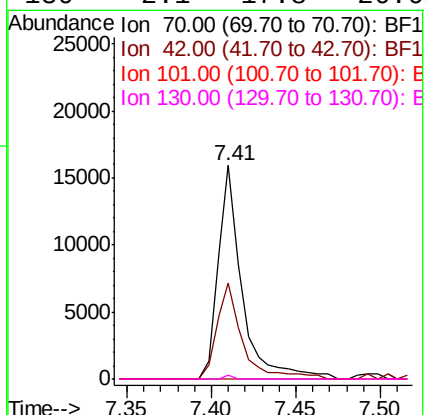
Ion Ratio Lower Upper

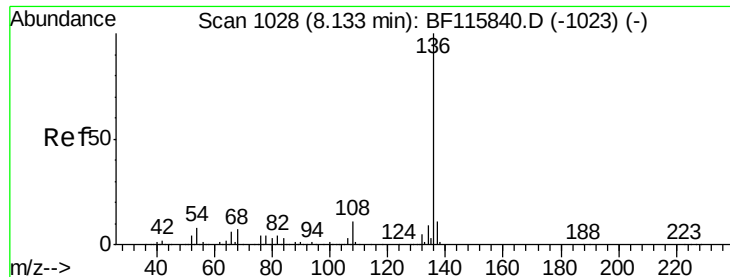
70 100

42 45.2 41.8 62.8

101 0.0 7.7 11.5#

130 2.1 17.8 26.6#

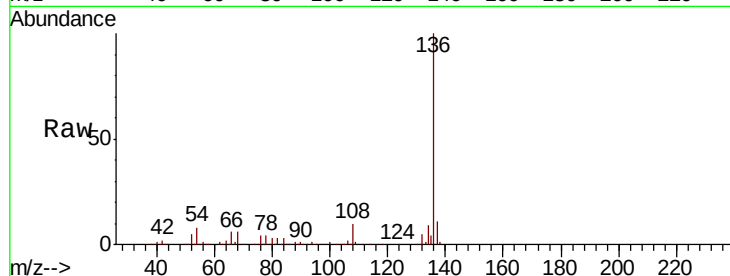




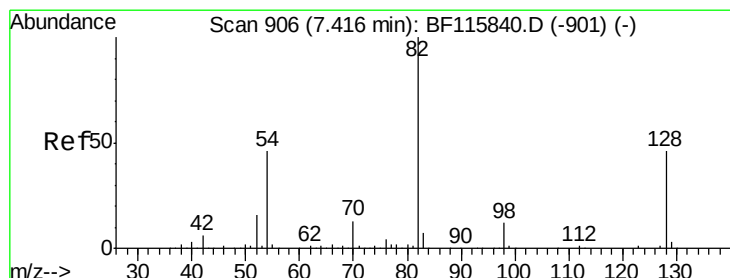
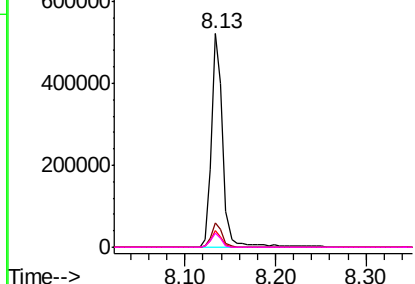
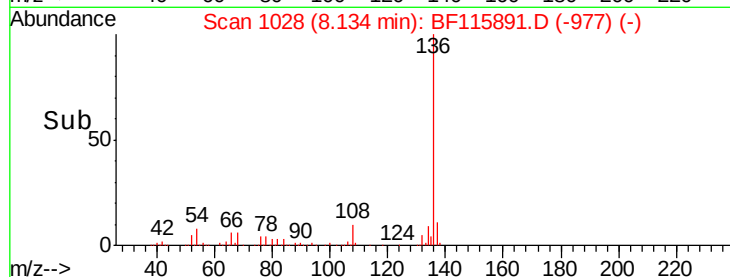
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampleId :
SP-6

Tgt Ion:	136	Resp:	465017
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.7	6.1	9.1
68	6.4	5.4	8.2

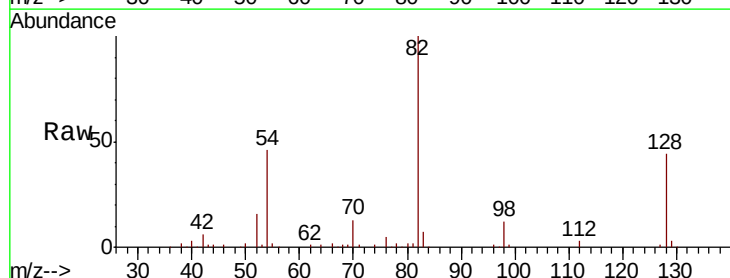


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

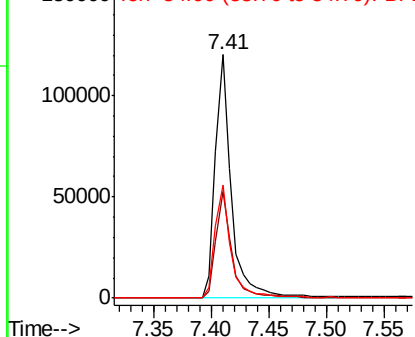
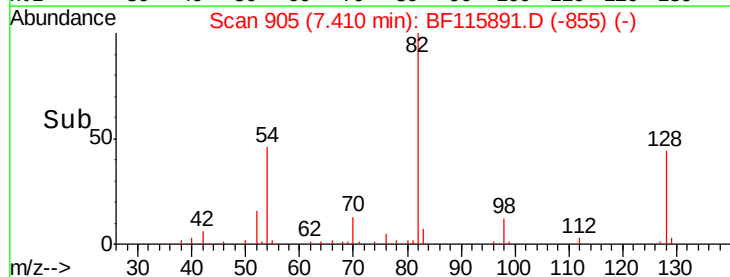


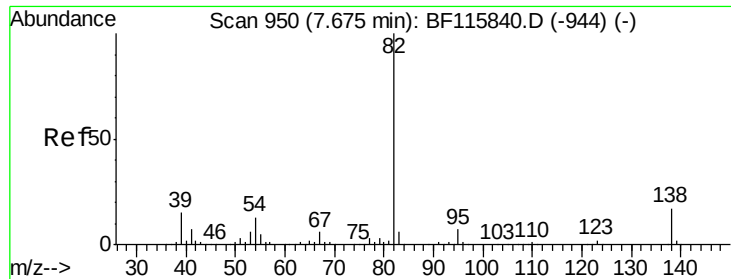
#23
Nitrobenzene-d5
Concen: 14.527 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion:	82	Resp:	117031
Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.6	55.0
54	46.2	36.6	55.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

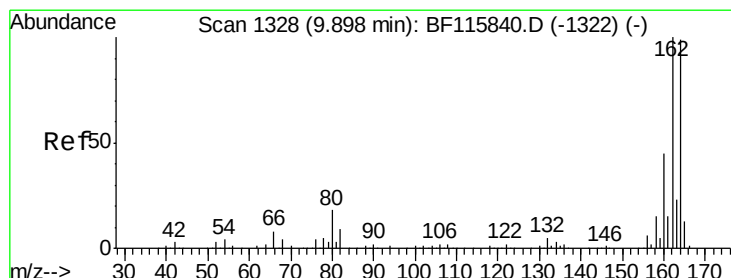
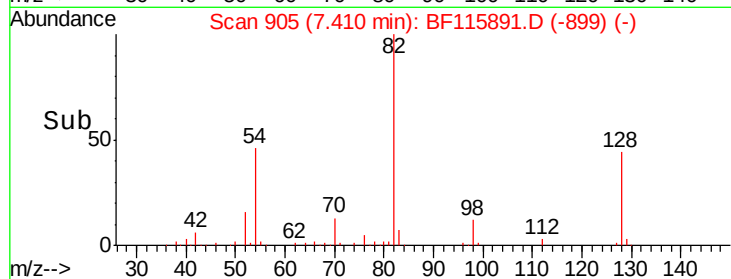
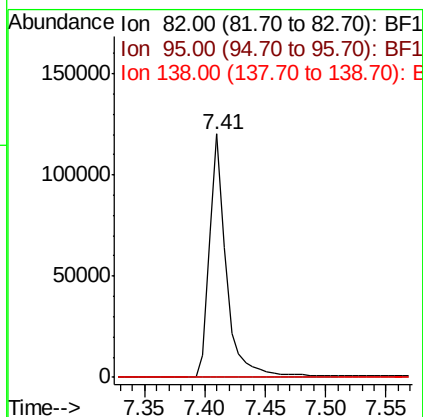
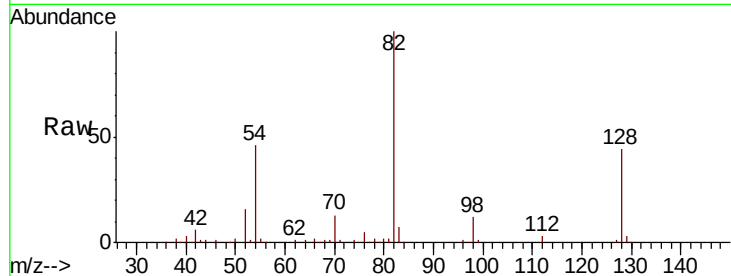




#25
Isophorone
Concen: 7.597 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

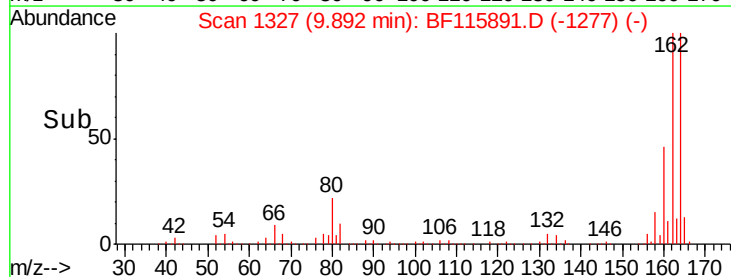
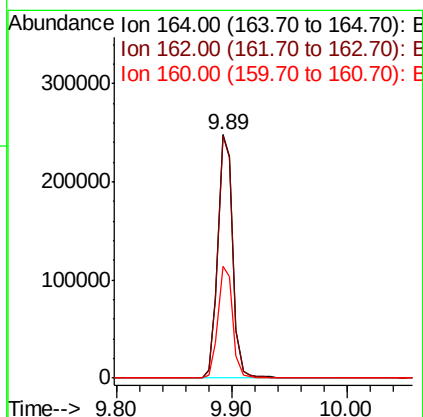
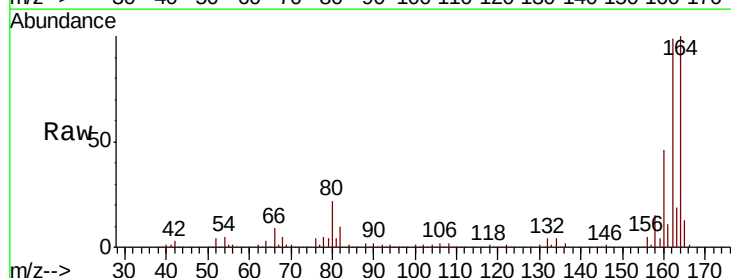
Instrument :
BNA_F
ClientSampleId :
SP-6

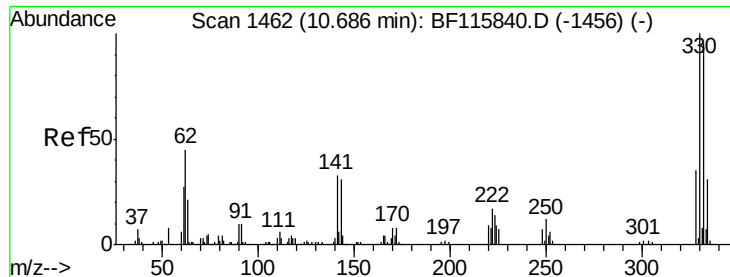
Tgt Ion: 82 Resp: 117030
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion: 164 Resp: 222788
Ion Ratio Lower Upper
164 100
162 99.4 80.8 121.2
160 45.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 18.723 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampled :

SP-6

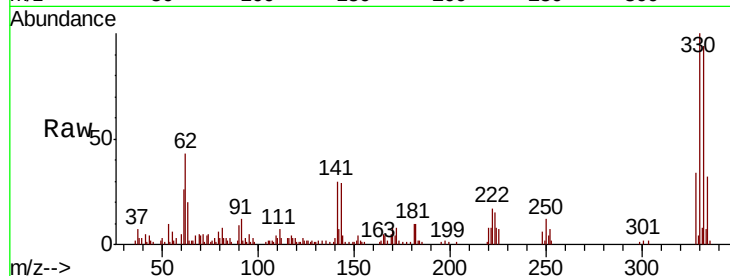
Tgt Ion:330 Resp: 40442

Ion Ratio Lower Upper

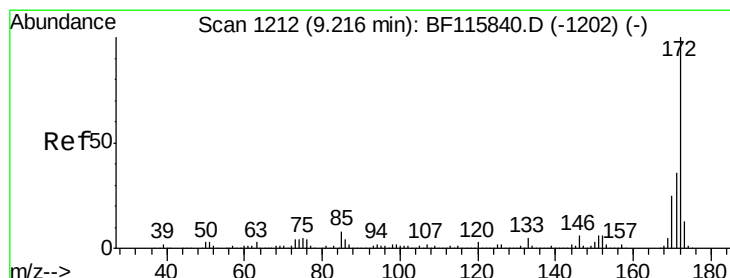
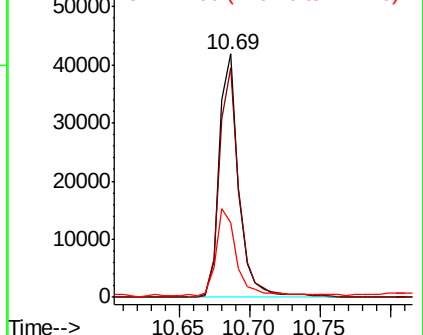
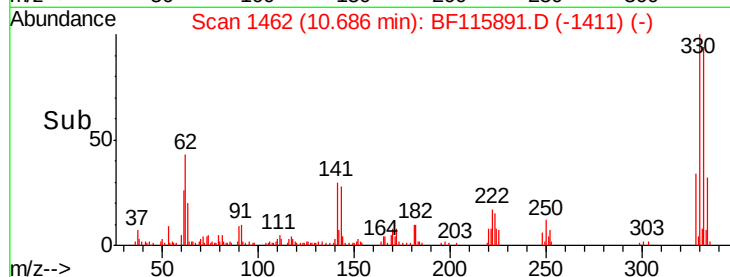
330 100

332 95.8 77.7 116.5

141 35.8 28.1 42.1



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: 19.852 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

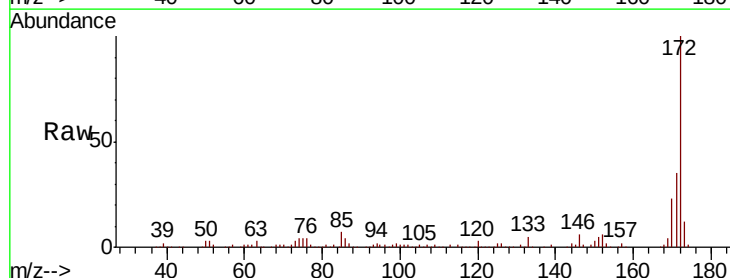
Tgt Ion:172 Resp: 236129

Ion Ratio Lower Upper

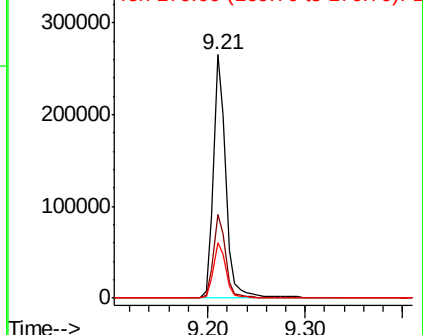
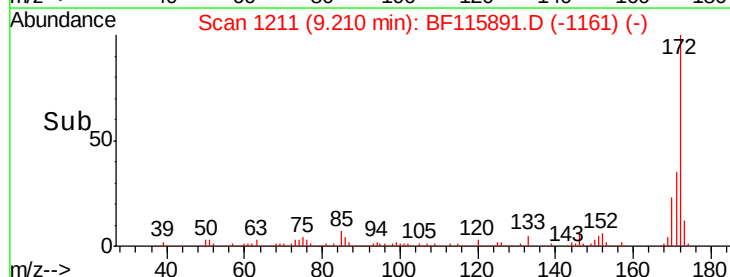
172 100

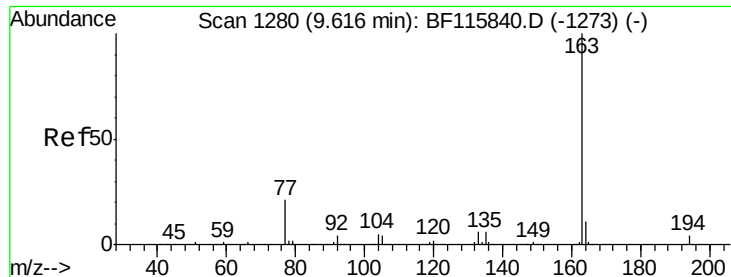
171 34.6 29.1 43.7

170 22.9 20.1 30.1



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: 3.146 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

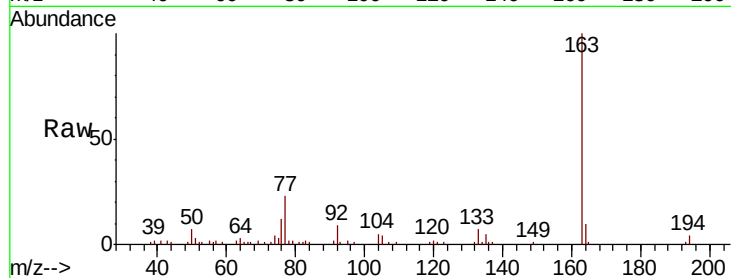
Tgt Ion:163 Resp: 47730

Ion Ratio Lower Upper

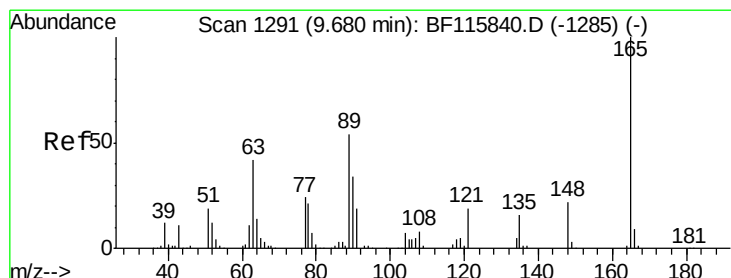
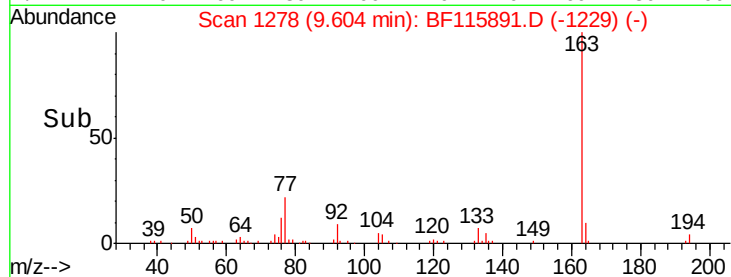
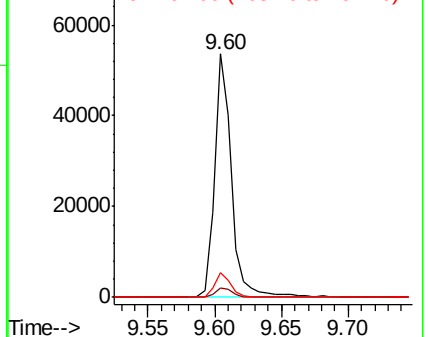
163 100

194 3.8 3.0 4.6

164 10.1 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: 8.835 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

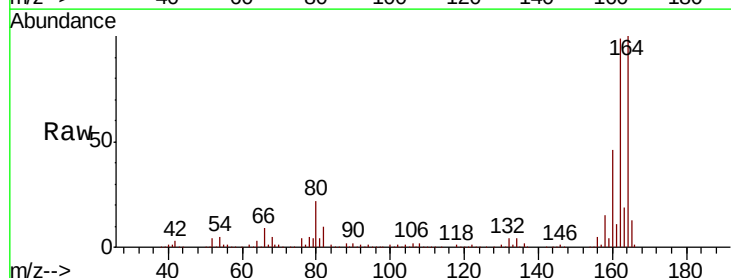
Tgt Ion:165 Resp: 29124

Ion Ratio Lower Upper

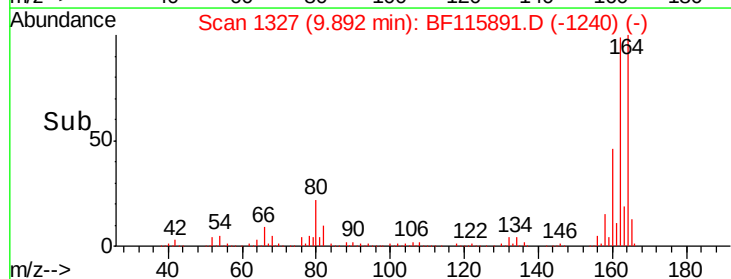
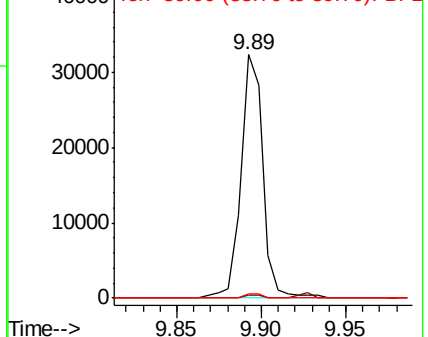
165 100

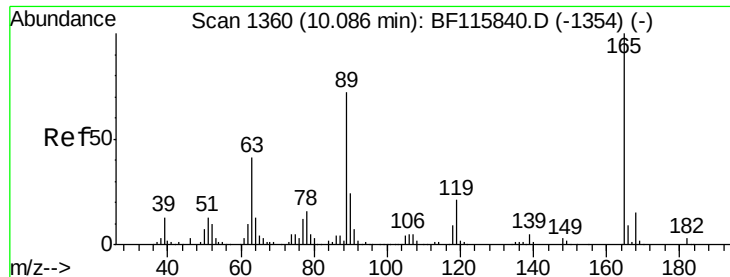
63 1.2 39.4 59.2#

89 1.7 43.0 64.6#



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

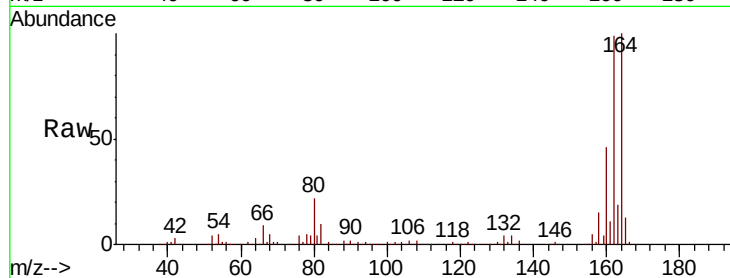




#57
 2,4-Dinitrotoluene
 Concen: 6.636 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

Tgt Ion:	165	Resp:	29124
Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.2	49.8#
89	1.7	57.3	85.9#
182	0.0	2.1	3.1#

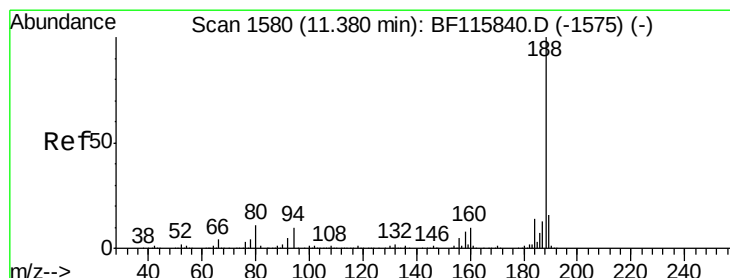
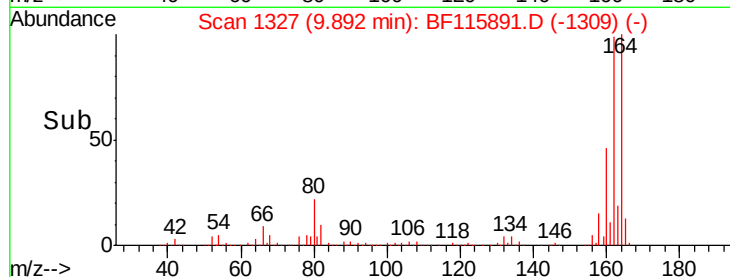
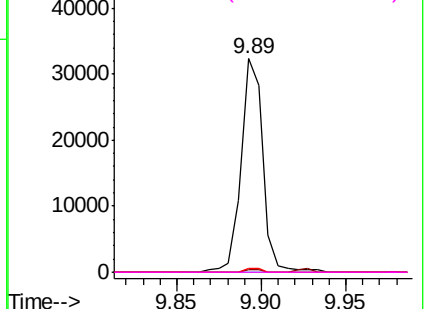


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

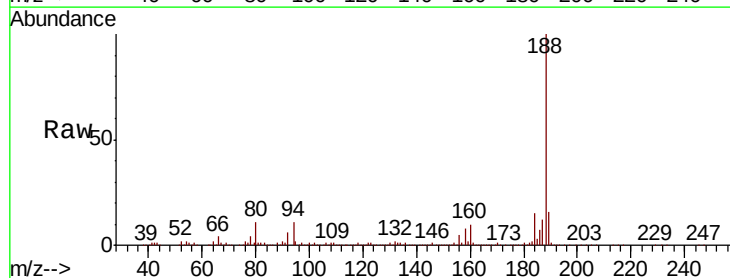
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

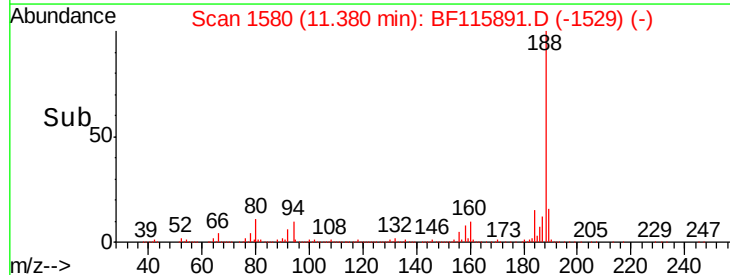
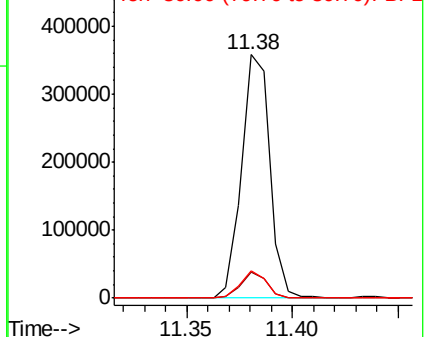
Tgt Ion:	188	Resp:	332199
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.0	12.0
80	11.2	8.6	12.8

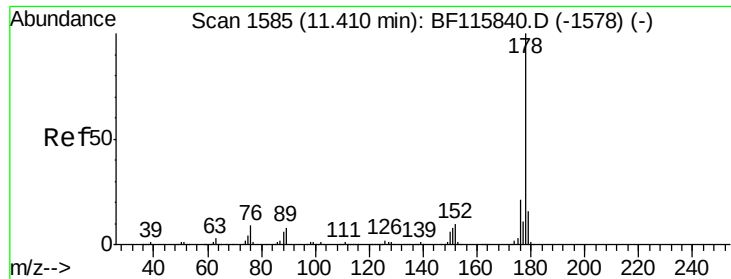


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

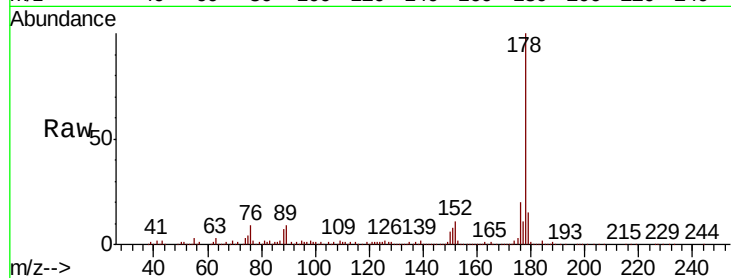




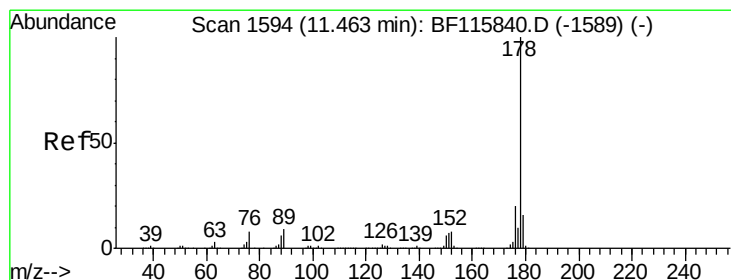
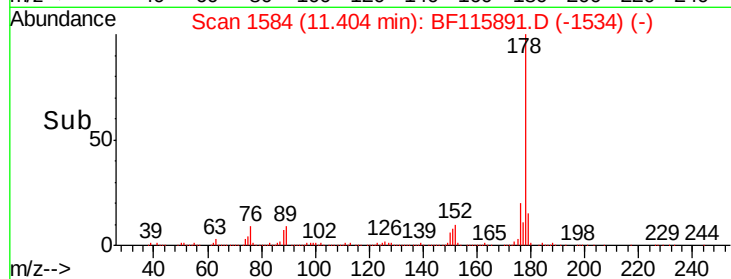
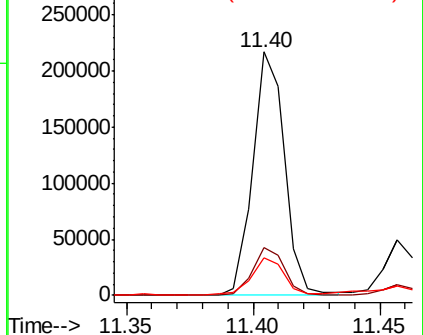
#71
Phenanthrene
Concen: 11.146 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampled :
SP-6

Tgt Ion:178 Resp: 189287
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.4 12.6 18.8

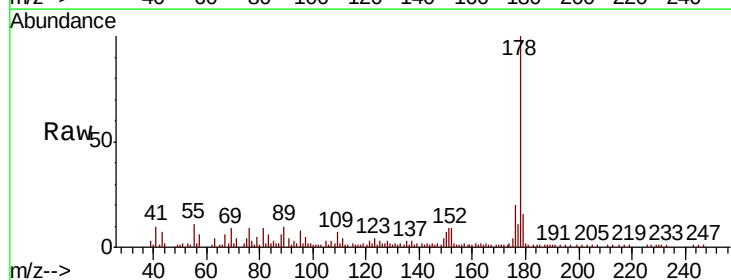


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

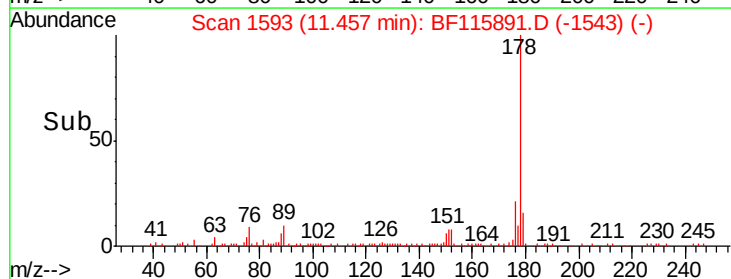
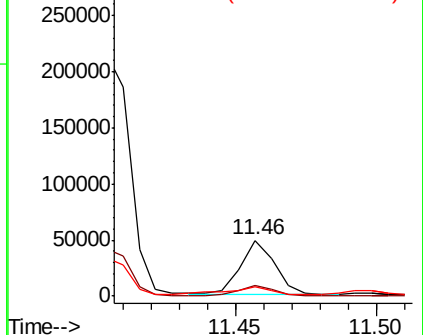


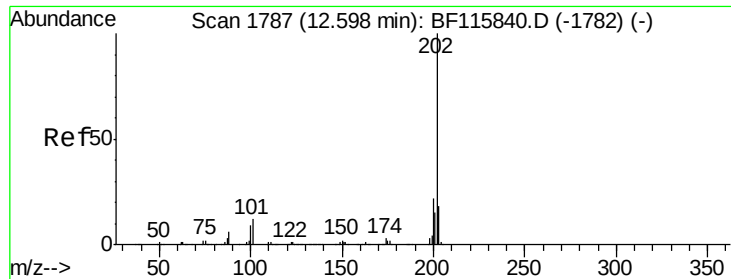
#72
Anthracene
Concen: 2.409 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion:178 Resp: 41406
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 16.4 12.4 18.6



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: 18.717 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

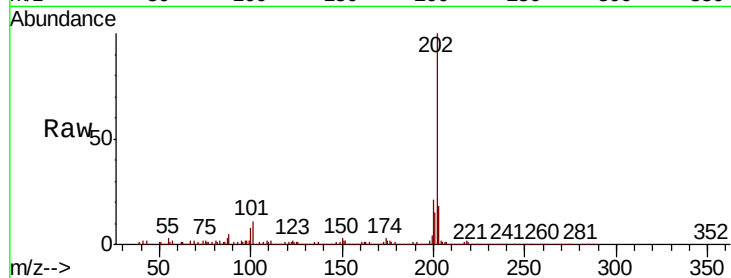
Tgt Ion:202 Resp: 332780

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.5

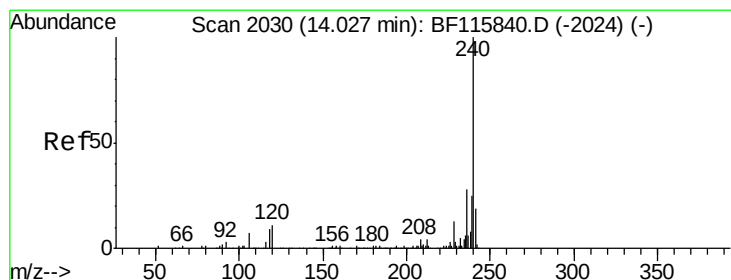
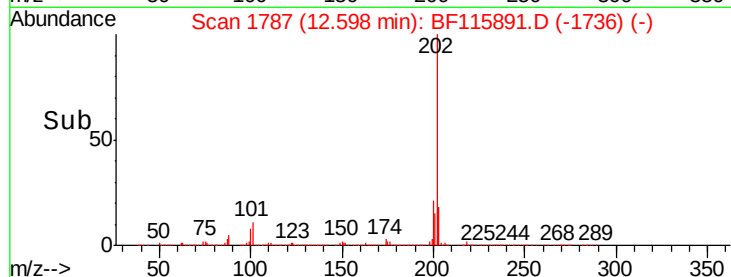
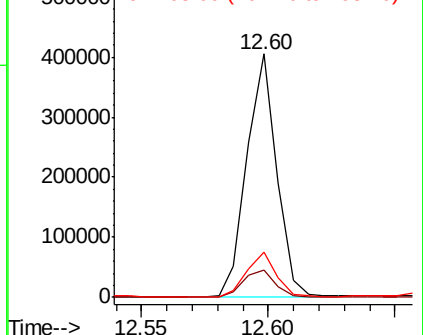
203 18.5 0.0 37.9



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: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

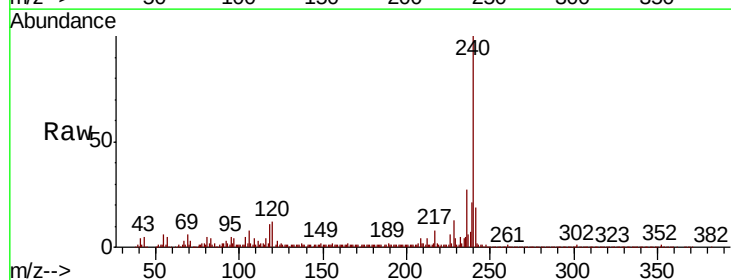
Tgt Ion:240 Resp: 284841

Ion Ratio Lower Upper

240 100

120 11.7 8.5 12.7

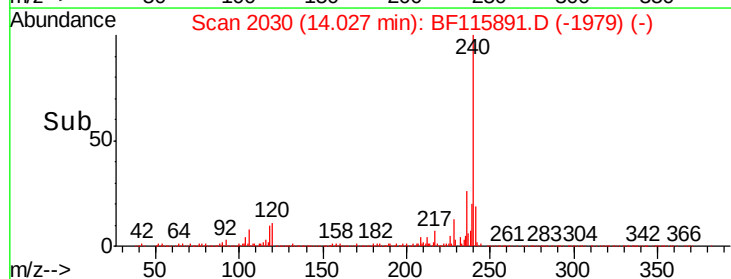
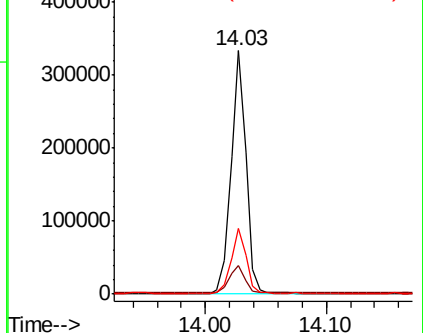
236 26.7 22.2 33.2

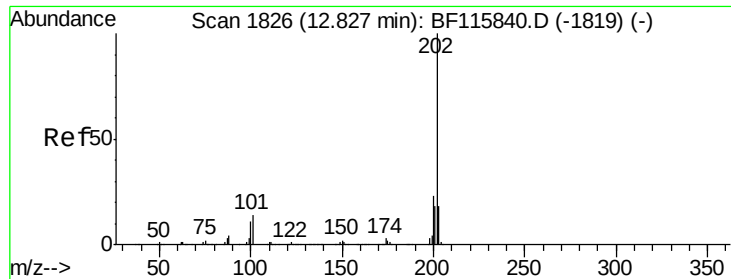


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

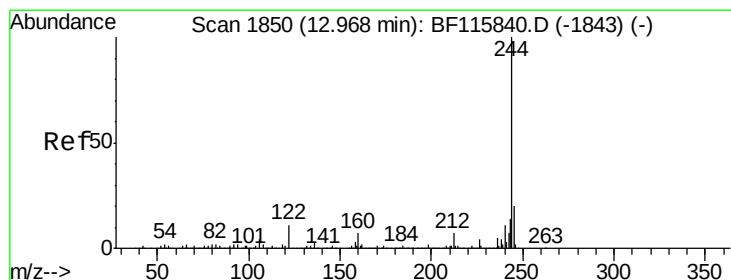
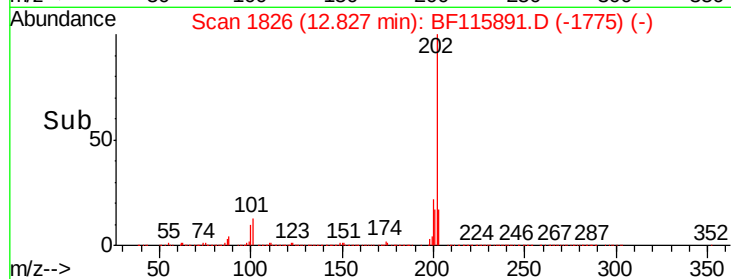
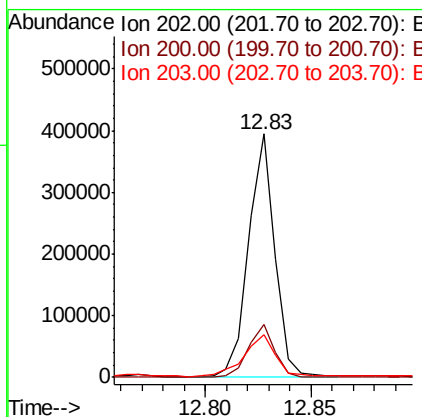
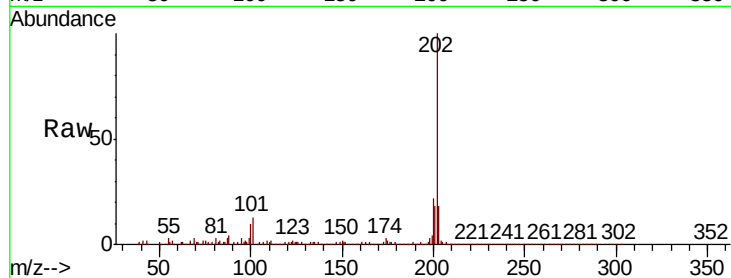




#78
 Pyrene
 Concen: 15.798 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

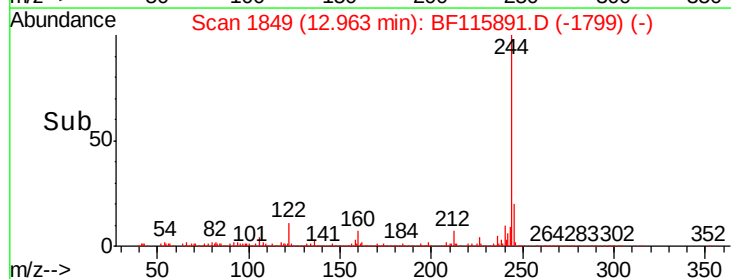
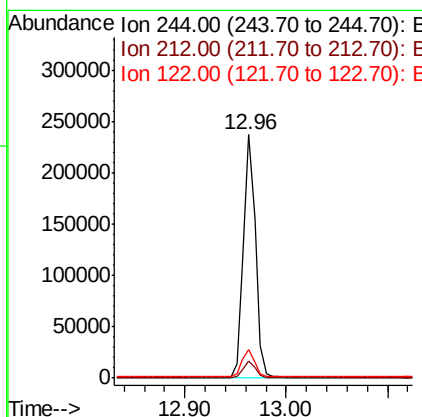
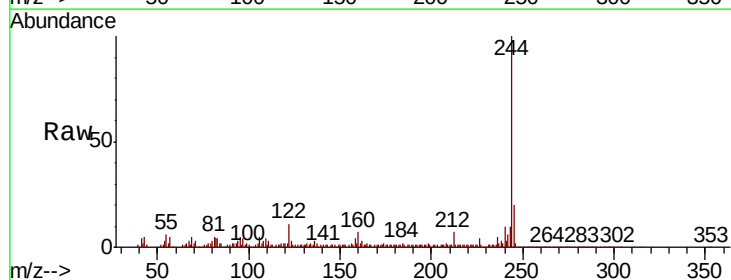
Instrument :
 BNA_F
 ClientSampleId :
 SP-6

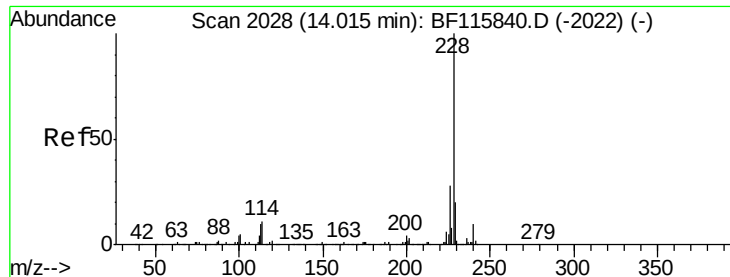
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.2	27.2
203	17.7	14.3	21.5



#79
 Terphenyl-d14
 Concen: 14.731 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115891.D
 Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.5	8.6	13.0





#81

Benzo(a)anthracene

Concen: 9.729 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

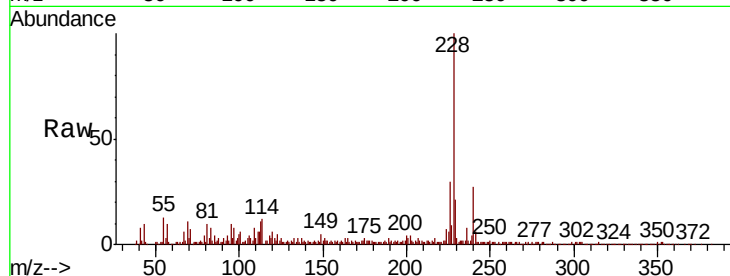
Tgt Ion:228 Resp: 177119

Ion Ratio Lower Upper

228 100

226 30.3 22.5 33.7

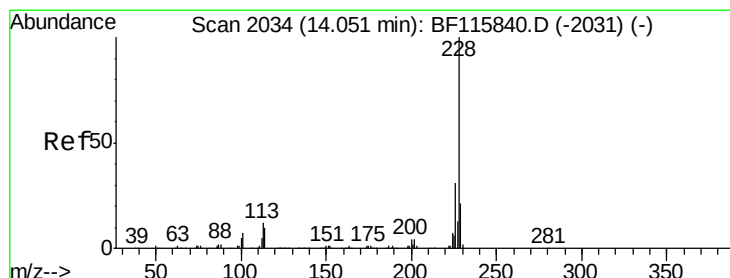
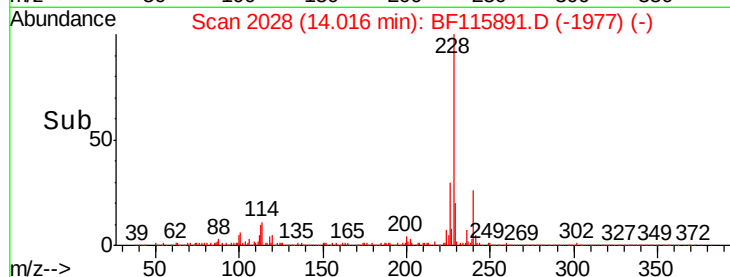
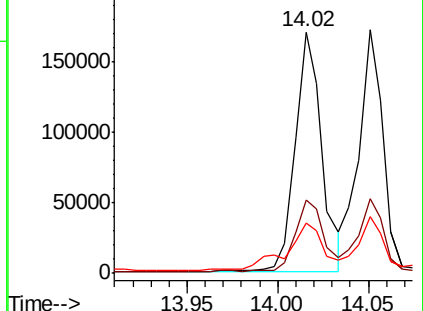
229 21.0 16.1 24.1



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



#83

Chrysene

Concen: 9.103 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

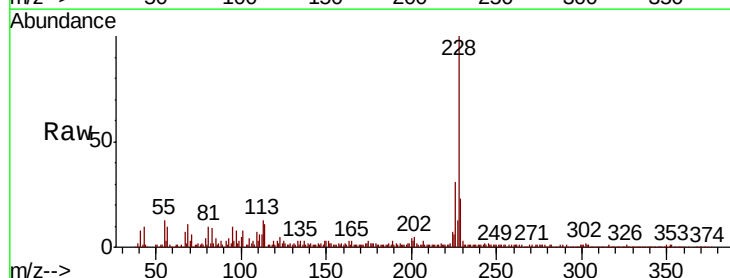
Tgt Ion:228 Resp: 160894

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

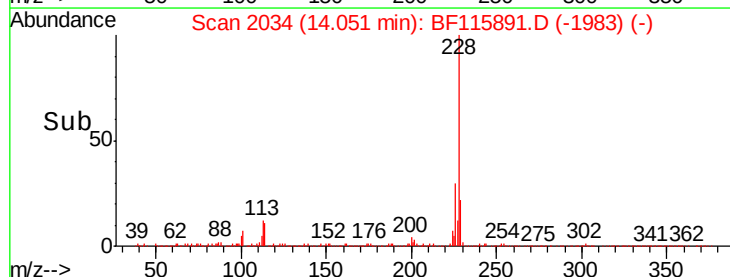
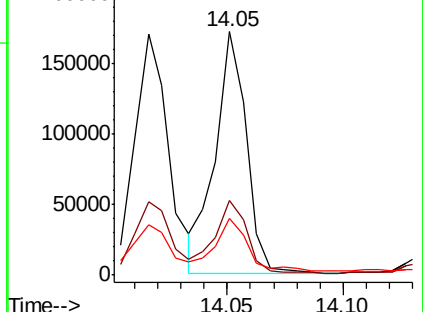
229 23.0 16.4 24.6

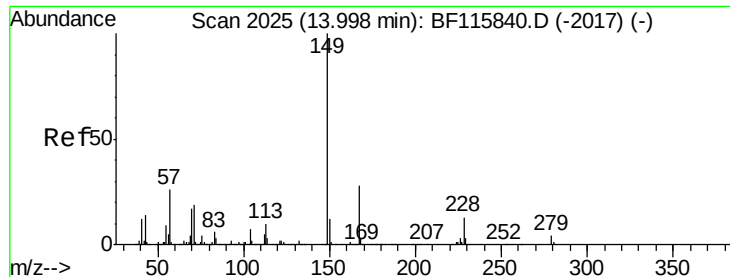


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.106 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

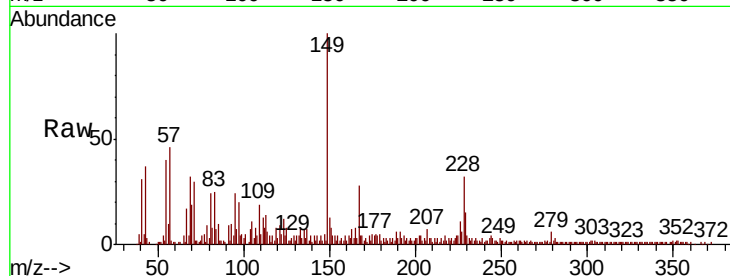
Tgt Ion:149 Resp: 60262

Ion Ratio Lower Upper

149 100

167 28.3 22.4 33.6

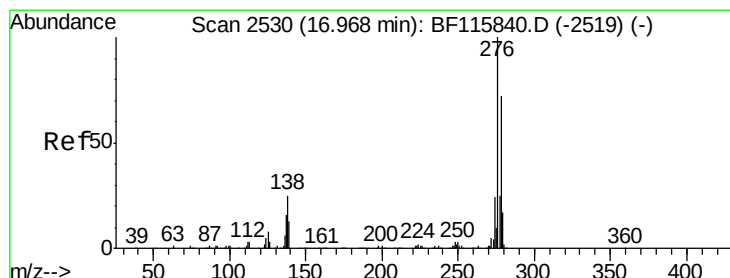
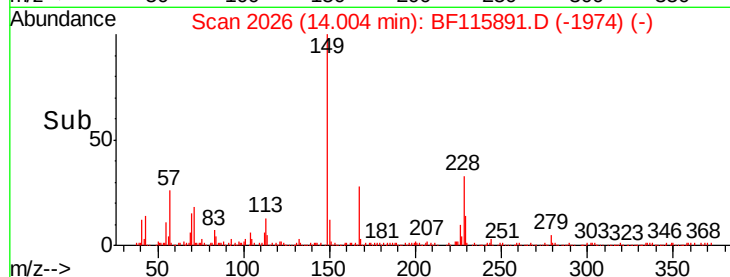
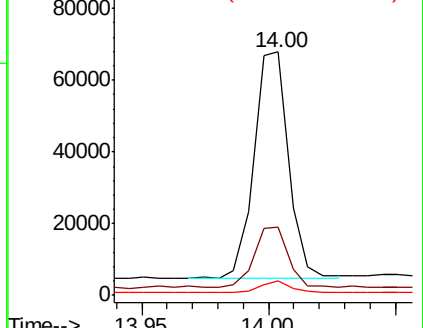
279 5.7 3.3 4.9#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.347 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

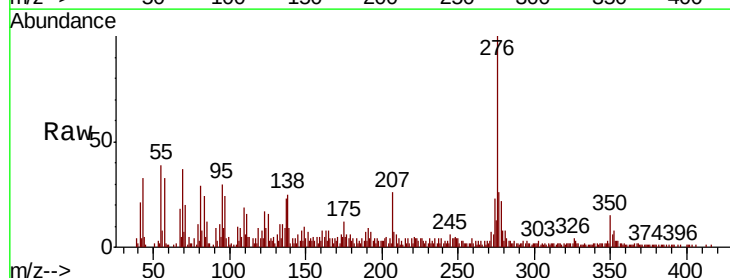
Tgt Ion:276 Resp: 64527

Ion Ratio Lower Upper

276 100

138 21.8 19.6 29.4

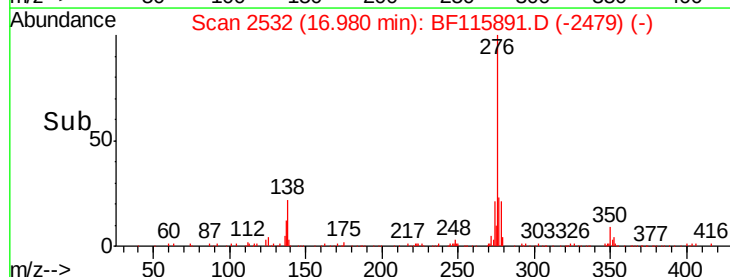
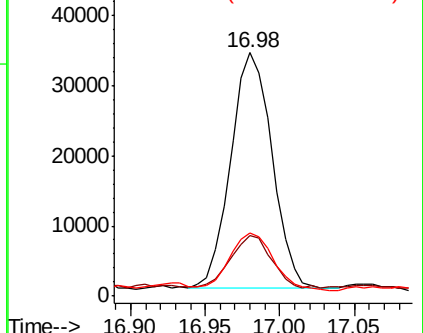
277 25.6 20.1 30.1

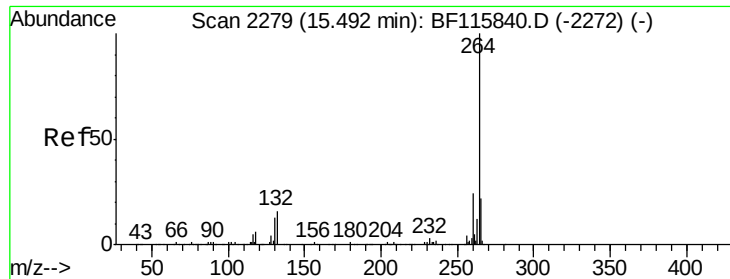


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

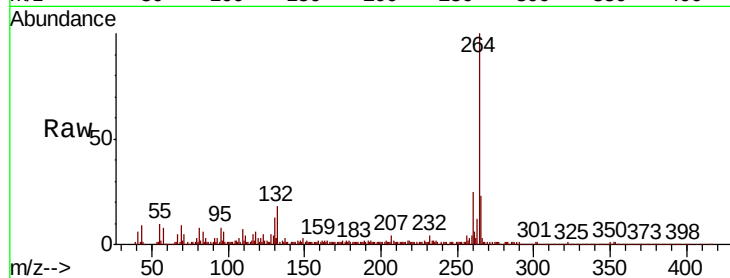




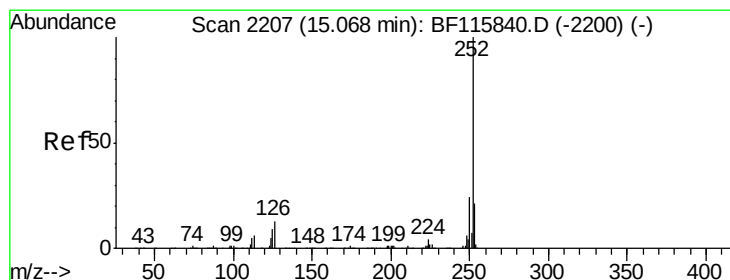
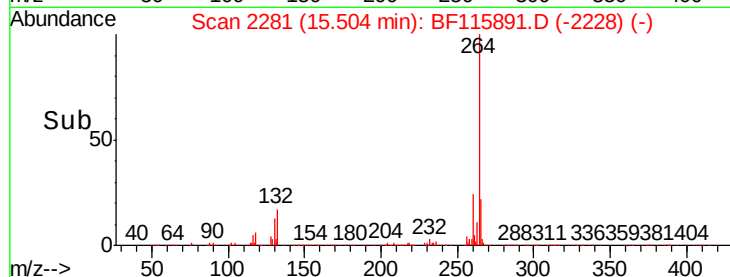
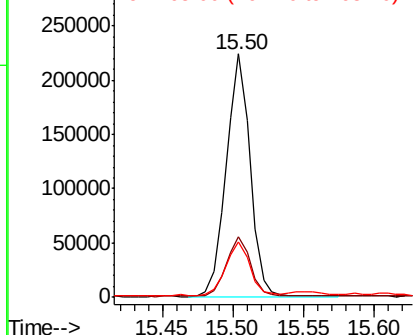
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Instrument :
BNA_F
ClientSampleID :
SP-6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.8	17.5	26.3

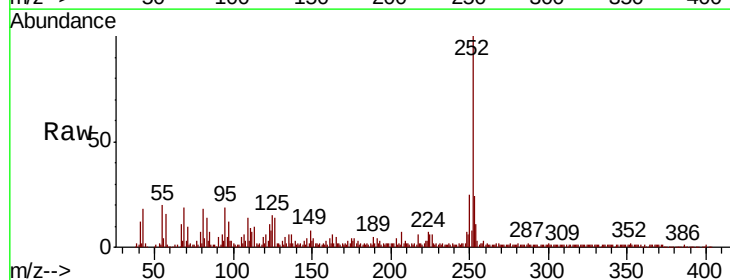


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

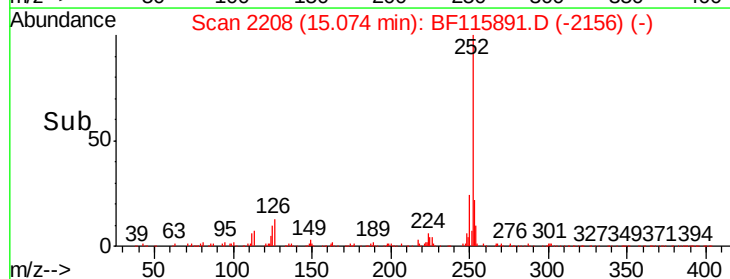
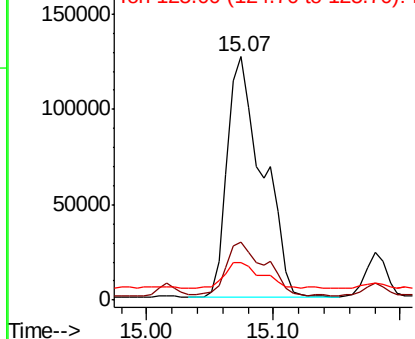


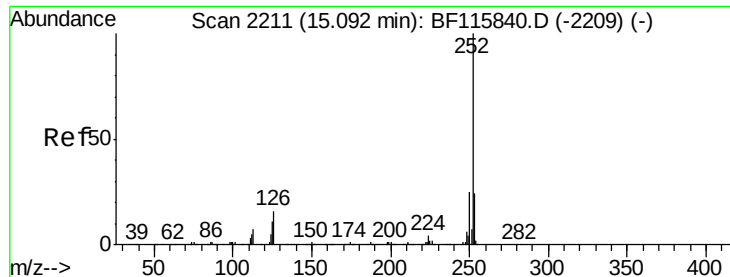
#88
Benzo(b)fluoranthene
Concen: 16.063 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	15.2	7.4	11.0



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

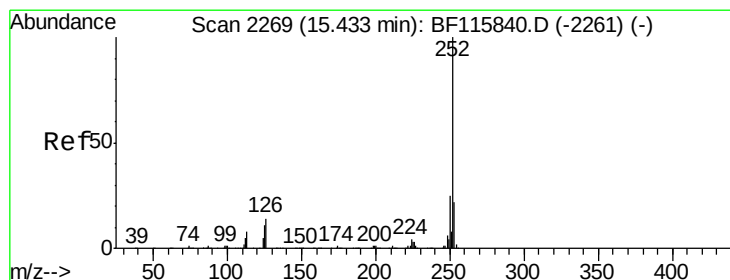
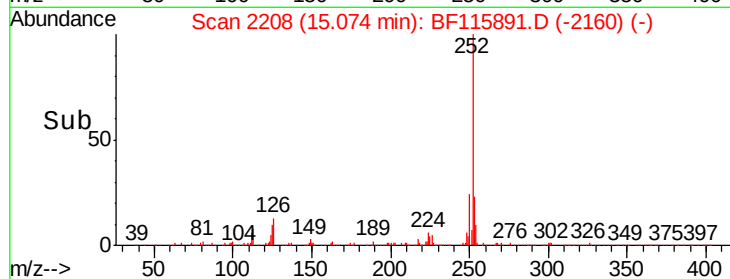
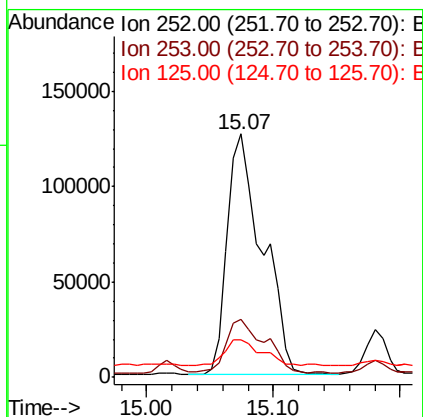
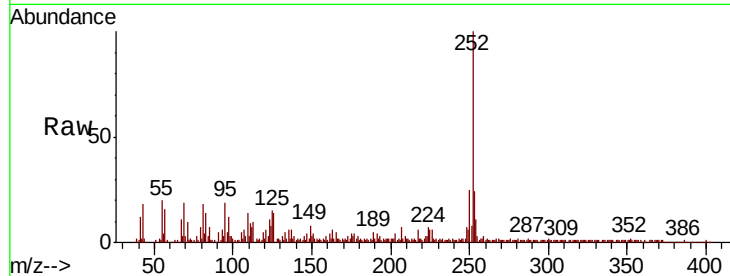




#89
Benzo(k)fluoranthene
Concen: 16.492 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

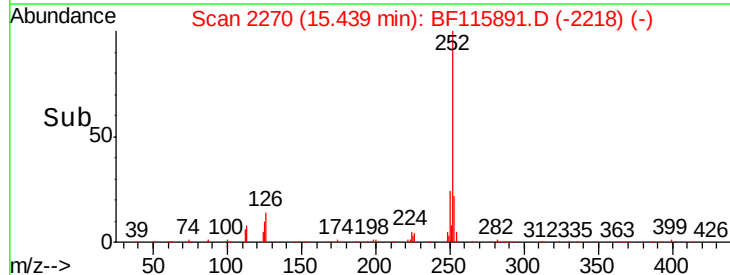
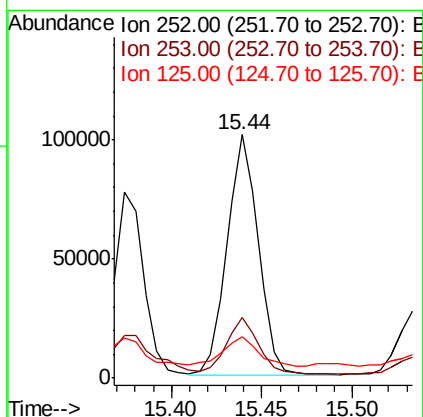
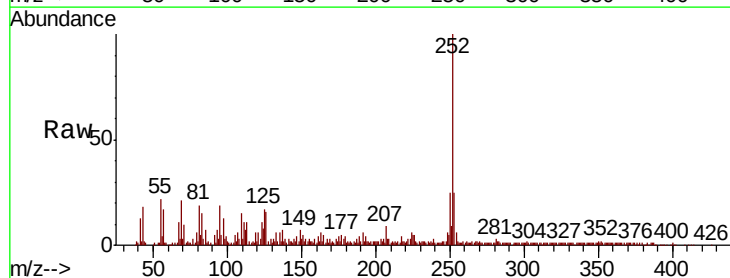
Instrument :
BNA_F
ClientSampleId :
SP-6

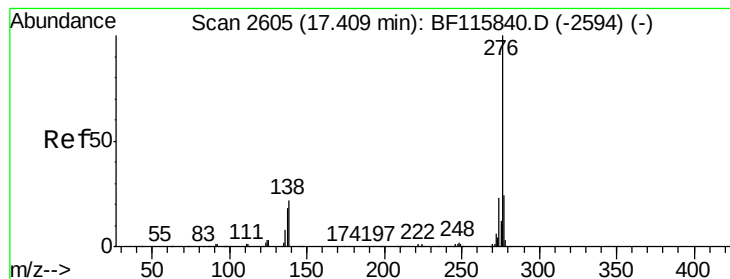
Tgt Ion:252 Resp: 244231
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.4
125 15.2 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 8.926 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115891.D
Acq: 1 Aug 2019 2:31

Tgt Ion:252 Resp: 121322
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 16.8 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 5.297 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115891.D

Acq: 1 Aug 2019 2:31

Instrument :

BNA_F

ClientSampleId :

SP-6

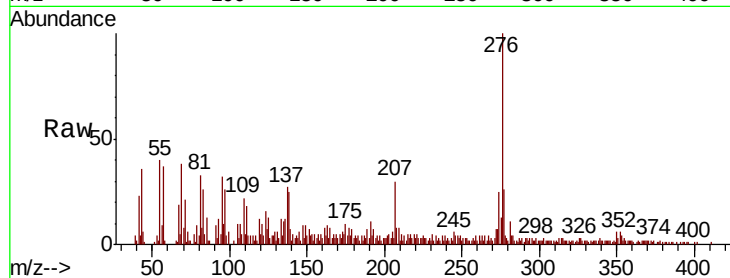
Tgt Ion: 276 Resp: 61207

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 25.3 17.8 26.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

