

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115890.D
 Acq On : 1 Aug 2019 2:05
 Operator : HP/JU
 Sample : K4049-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Quant Time: Aug 01 05:01:41 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	118166	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	439938	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	209176	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	350074	20.00	ng	0.00
76) Chrysene-d12	14.03	240	299657	20.00	ng	0.00
87) Perylene-d12	15.50	264	264645	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	144117	20.42	ng	0.00
7) Phenol-d6	6.48	99	214583	24.09	ng	0.00
23) Nitrobenzene-d5	7.41	82	114987	15.09	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	18341	9.04	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	222200	19.90	ng	0.00
79) Terphenyl-d14	12.96	244	229458	16.14	ng	0.00

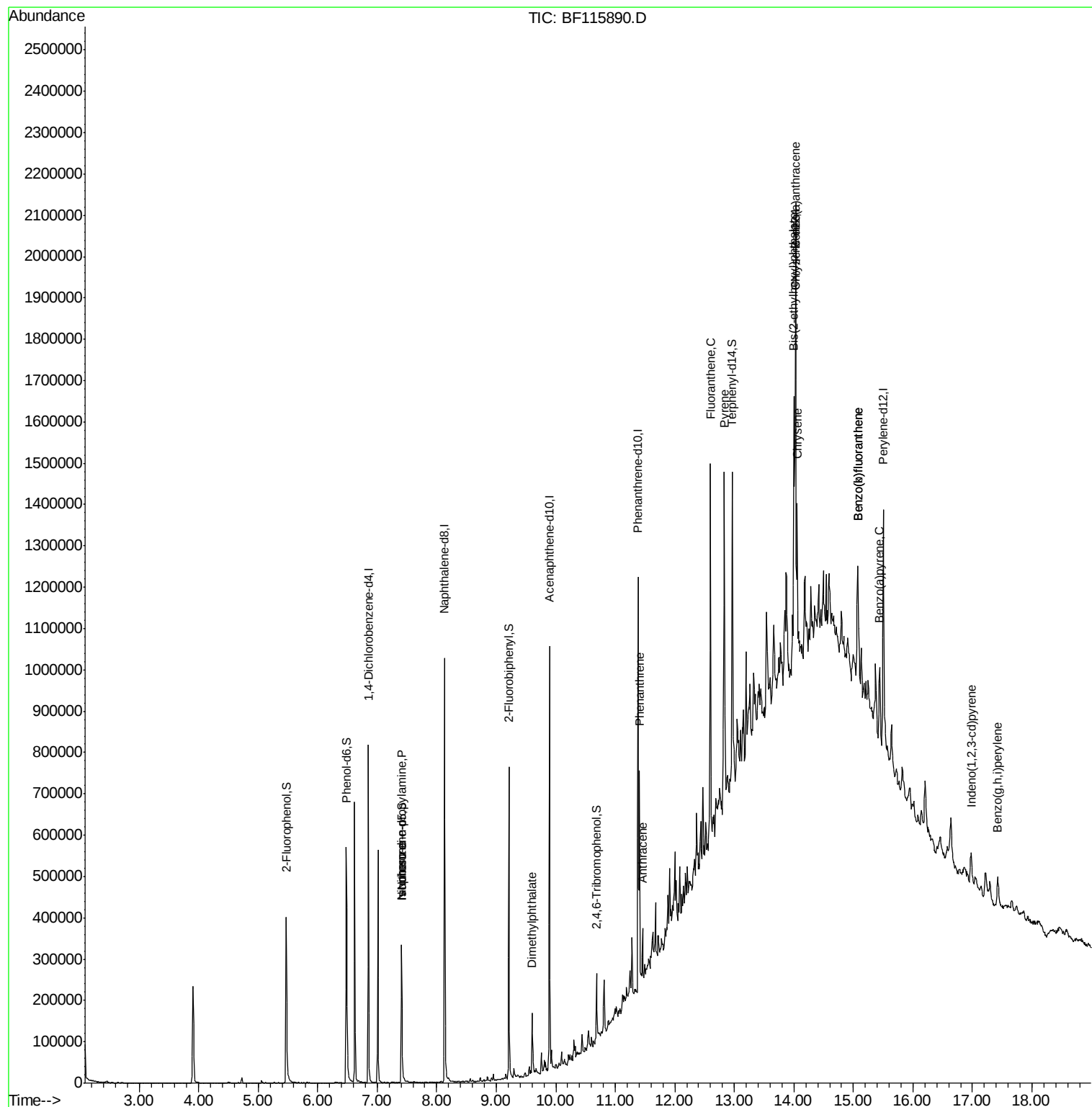
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	14839	2.689	ng	# 80
25) Isophorone	7.41	82	114986	7.890	ng	# 66
50) Dimethylphthalate	9.60	163	49973	3.509	ng	97
71) Phenanthrene	11.40	178	182052	10.172	ng	99
72) Anthracene	11.46	178	47881	2.644	ng	99
75) Fluoranthene	12.60	202	344245	18.374	ng	99
78) Pyrene	12.83	202	326010	14.433	ng	98
81) Benzo(a)anthracene	14.02	228	154246	8.053	ng	98
83) Chrysene	14.05	228	142176	7.646	ng	97
84) Bis(2-ethylhexyl)phthalate	14.00	149	179838	14.484	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	53968	3.456	ng	96
88) Benzo(b)fluoranthene	15.07	252	183565	11.996	ng	# 87
89) Benzo(k)fluoranthene	15.07	252	183565	12.316	ng	# 90
90) Benzo(a)pyrene	15.44	252	91648	6.700	ng	# 89
92) Benzo(g,h,i)perylene	17.43	276	49972	4.297	ng	# 94

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

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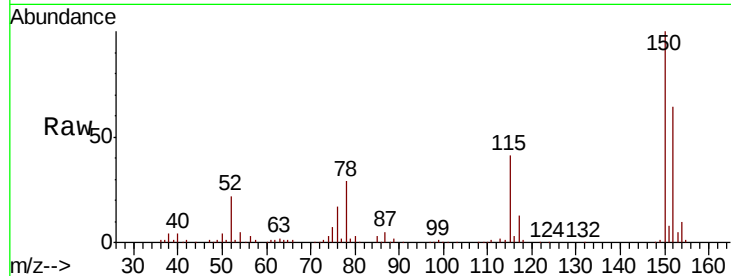


#1

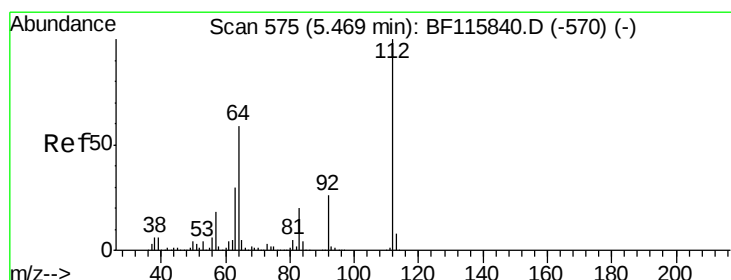
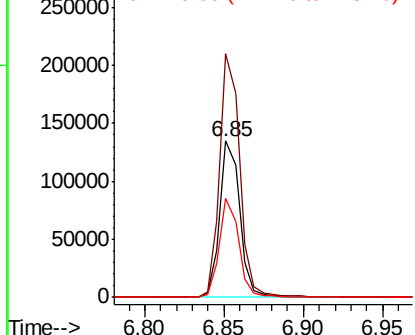
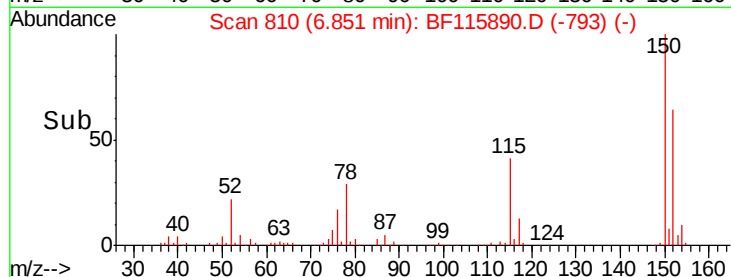
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:152 Resp: 118166
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.0
115 63.4 51.8 77.8



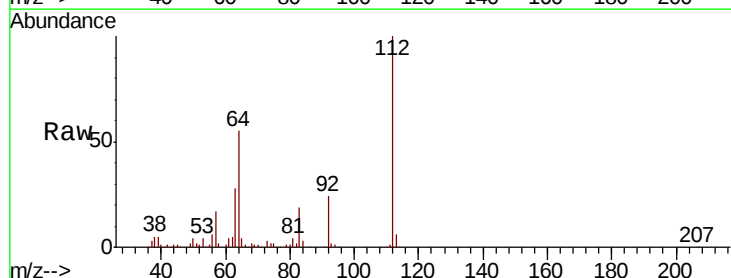
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



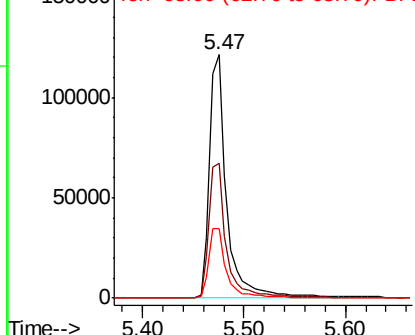
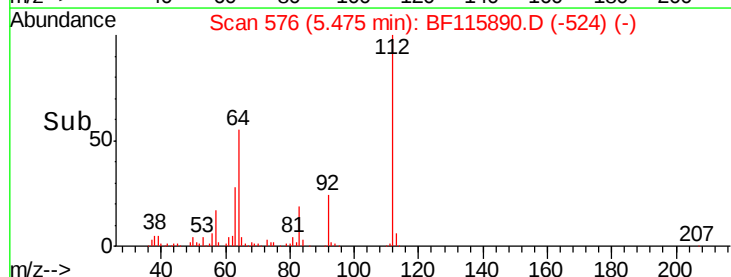
#5

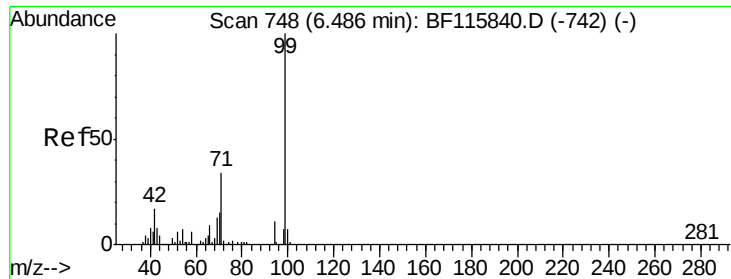
2-Fluorophenol
Concen: 20.417 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion:112 Resp: 144117
Ion Ratio Lower Upper
112 100
64 55.4 46.8 70.2
63 28.3 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: 24.095 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampled :

SP-5

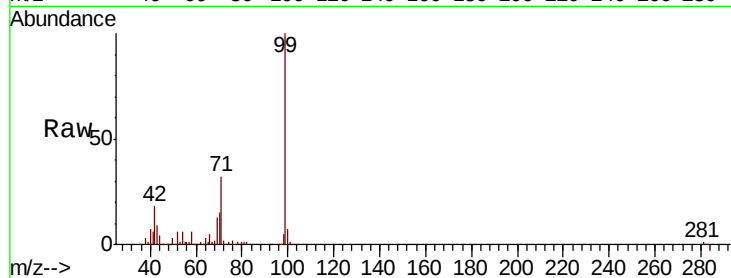
Tgt Ion: 99 Resp: 214583

Ion Ratio Lower Upper

99 100

42 17.8 13.8 20.6

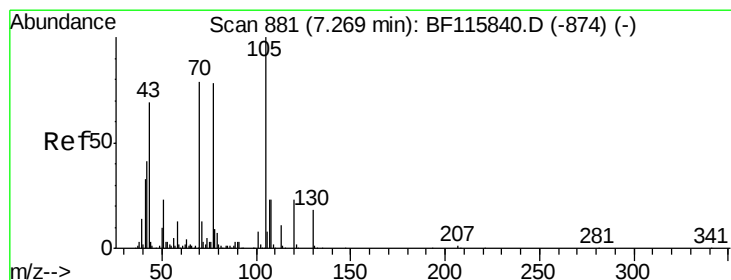
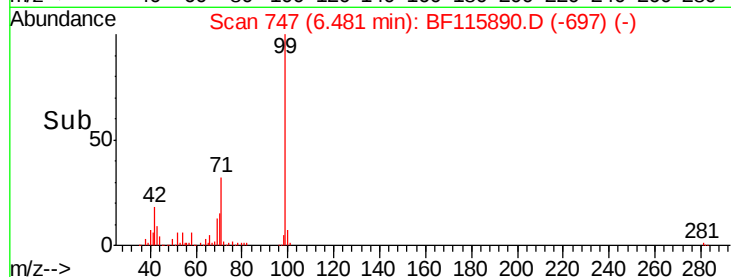
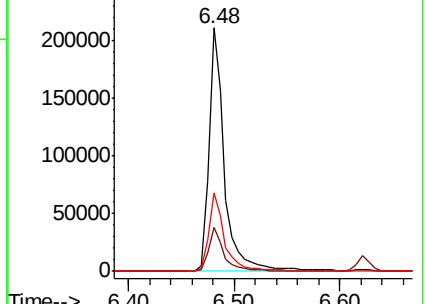
71 32.5 27.1 40.7



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: 2.689 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion: 70 Resp: 14839

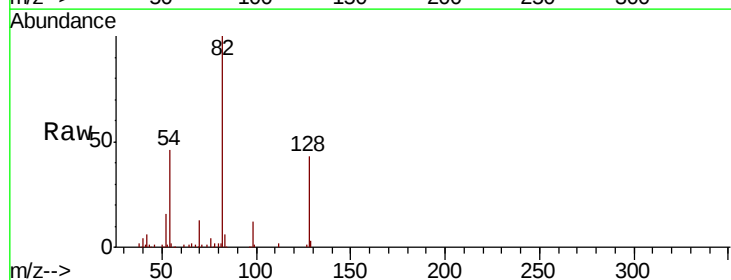
Ion Ratio Lower Upper

70 100

42 47.4 41.8 62.8

101 0.0 7.7 11.5#

130 0.0 17.8 26.6#

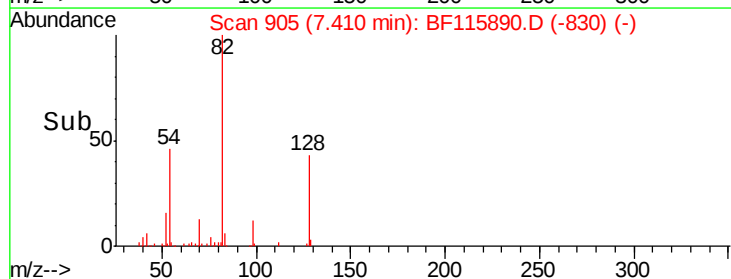
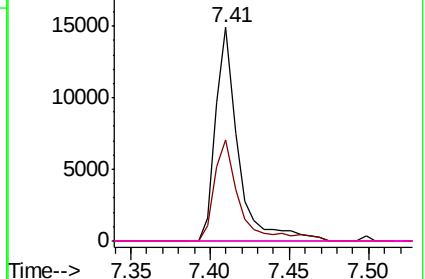


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

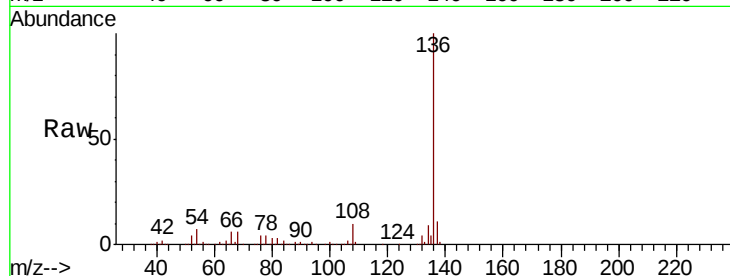




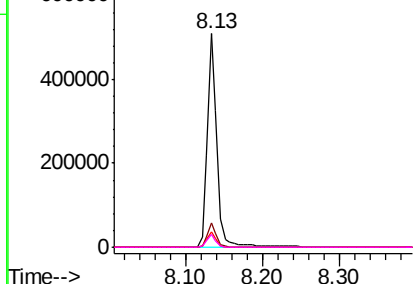
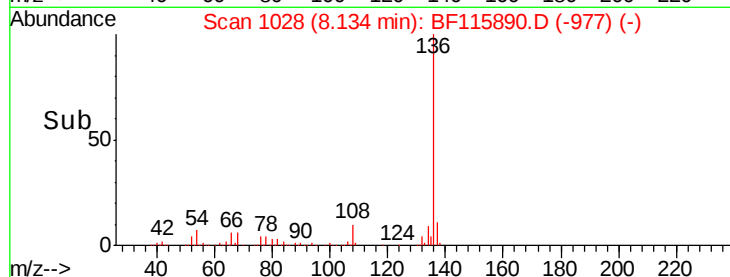
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion:	136	Resp:	439938
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.2	6.1	9.1
68	6.1	5.4	8.2

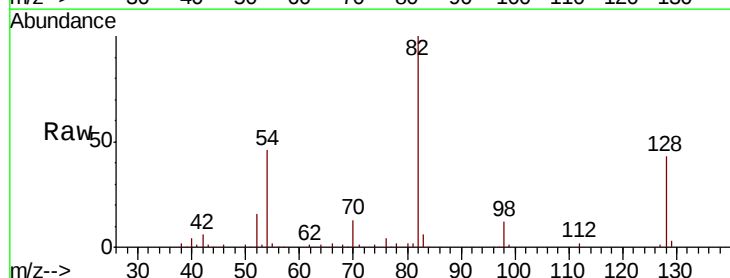


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

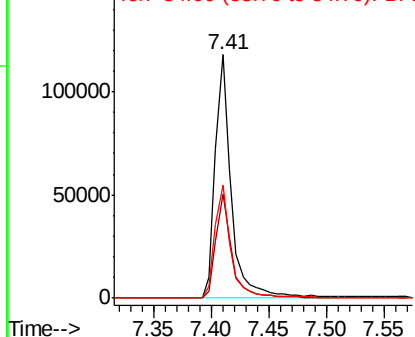
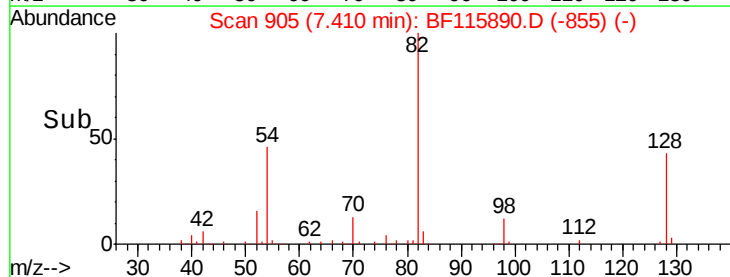


#23
Nitrobenzene-d5
Concen: 15.087 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion:	82	Resp:	114987
Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.6	55.0
54	46.3	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: 7.890 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampleId :

SP-5

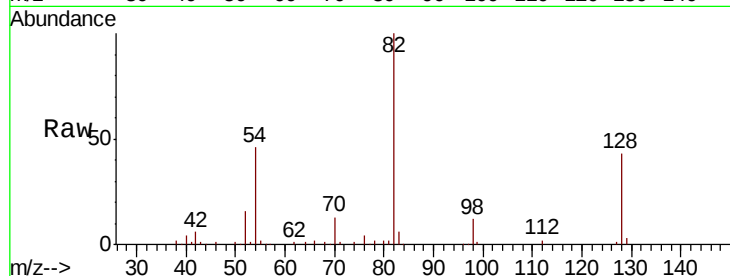
Tgt Ion: 82 Resp: 114986

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

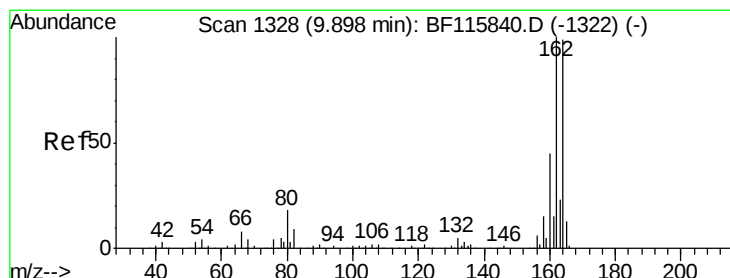
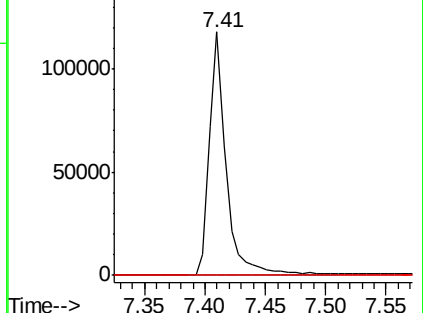
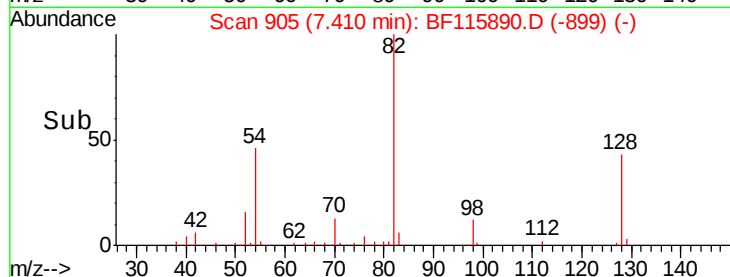
138 0.0 13.9 20.9#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

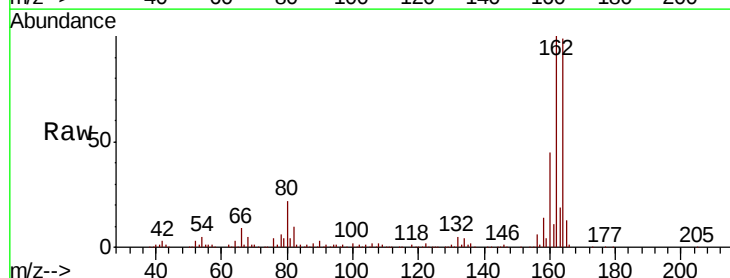
Tgt Ion: 164 Resp: 209176

Ion Ratio Lower Upper

164 100

162 100.7 80.8 121.2

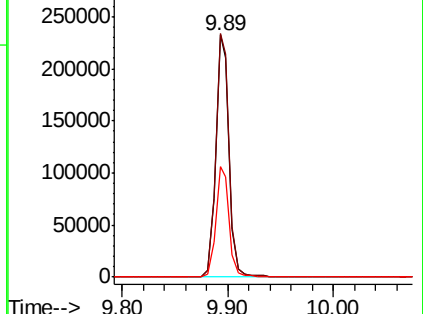
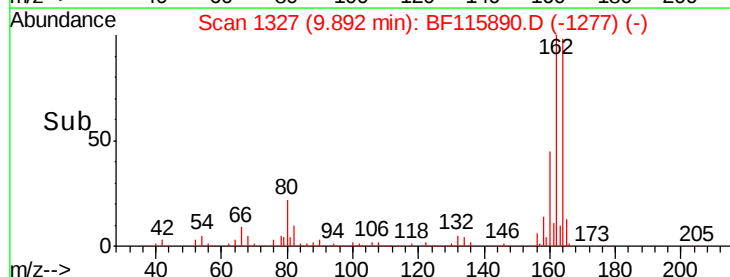
160 45.6 36.2 54.4

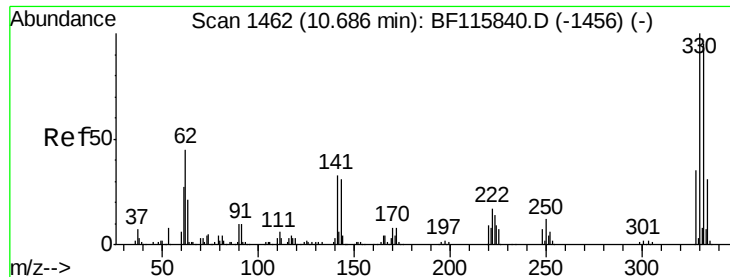


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

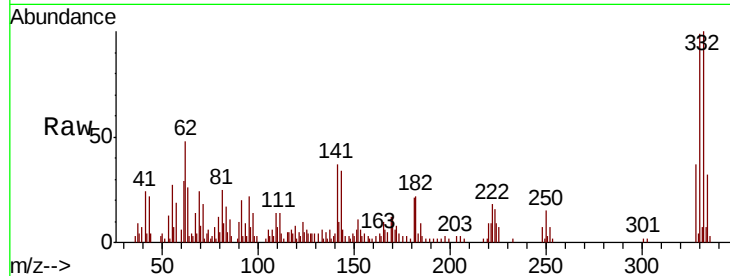




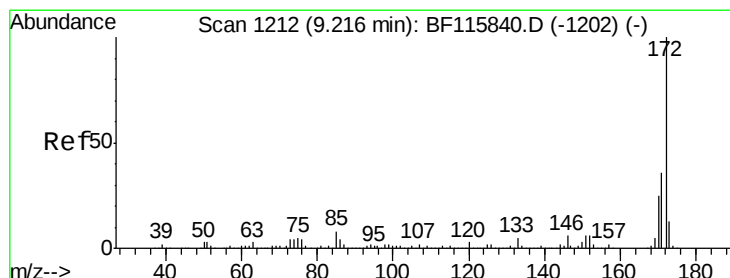
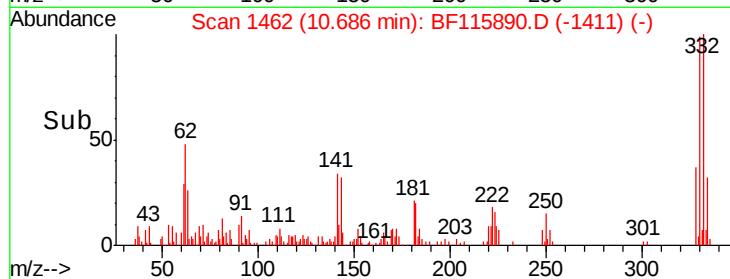
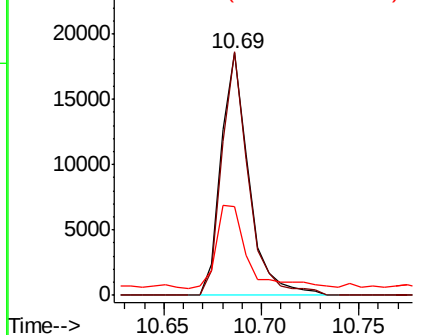
#42
 2,4,6-Tribromophenol
 Concen: 9.044 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tgt Ion:330 Resp: 18341
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.7 116.5
 141 38.4 28.1 42.1

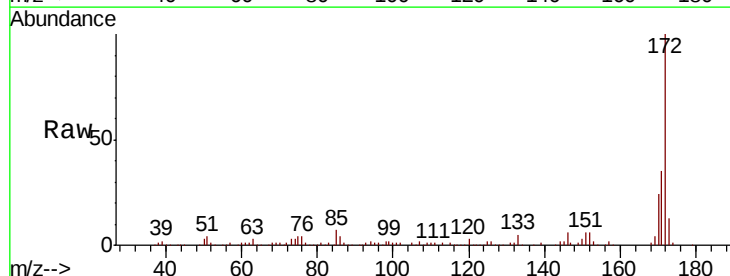


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

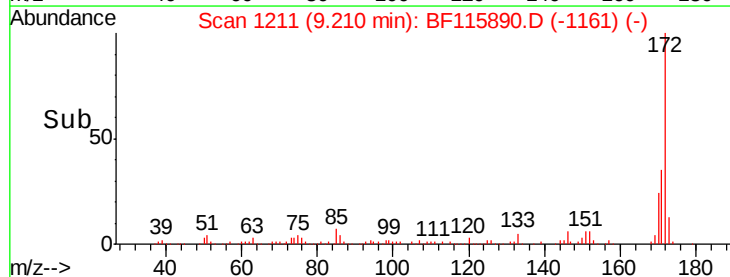
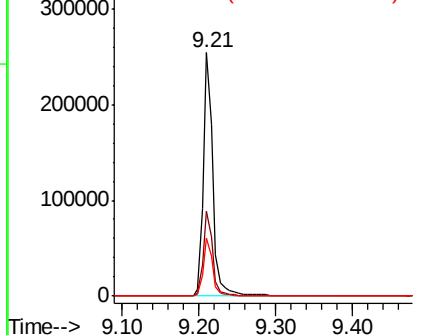


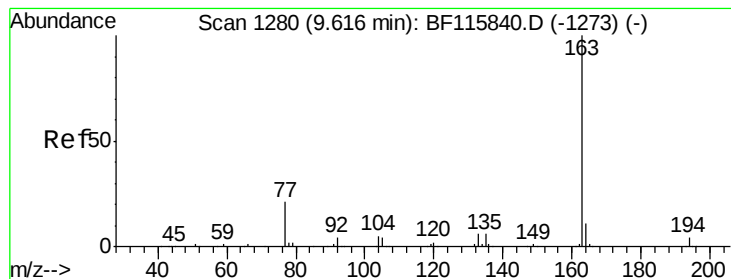
#45
 2-Fluorobiphenyl
 Concen: 19.897 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Tgt Ion:172 Resp: 222200
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.1 43.7
 170 24.0 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: 3.509 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampleId :

SP-5

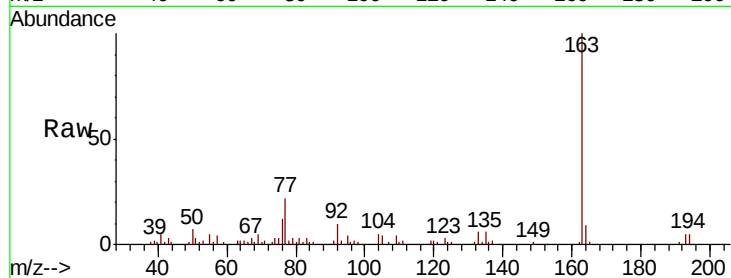
Tgt Ion:163 Resp: 49973

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.6

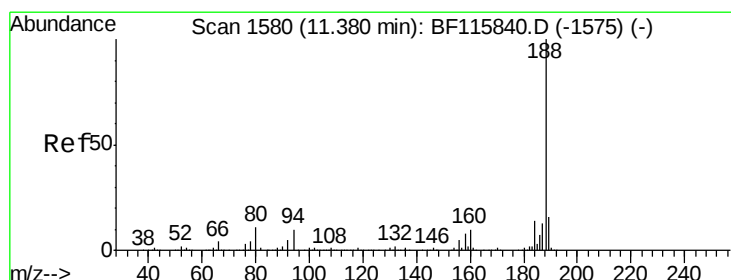
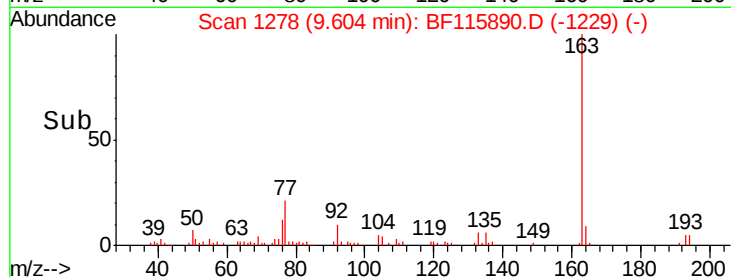
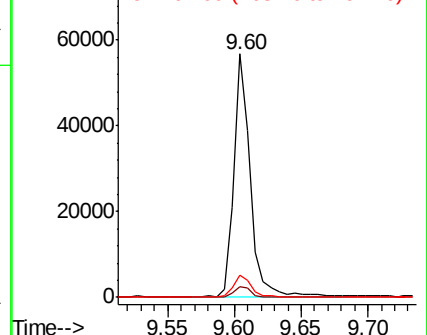
164 9.2 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

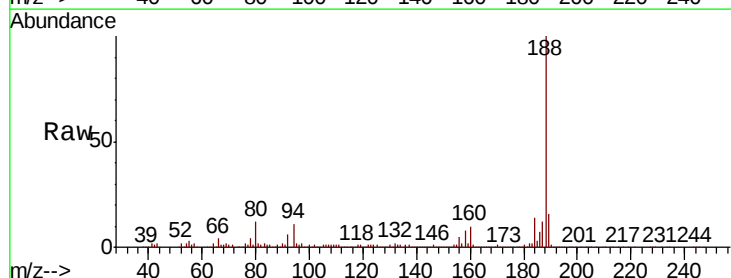
Tgt Ion:188 Resp: 350074

Ion Ratio Lower Upper

188 100

94 10.7 8.0 12.0

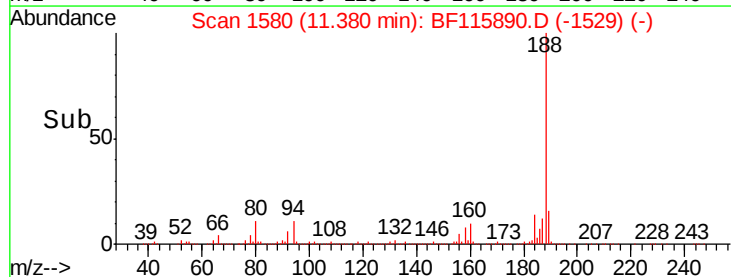
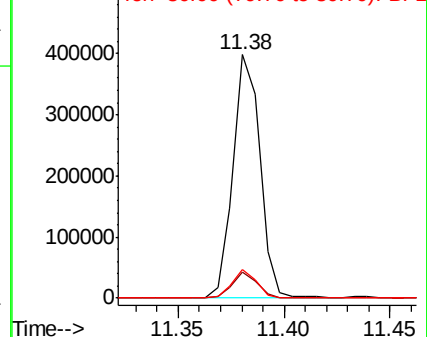
80 11.7 8.6 12.8

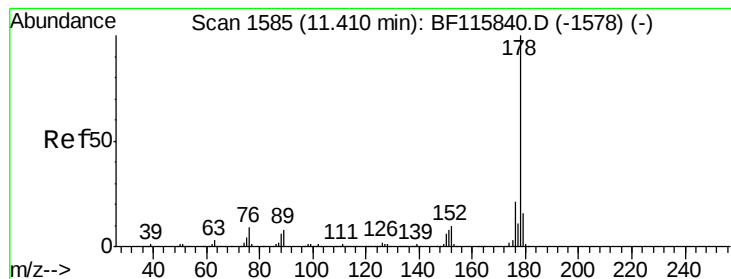


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 10.172 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampleId :

SP-5

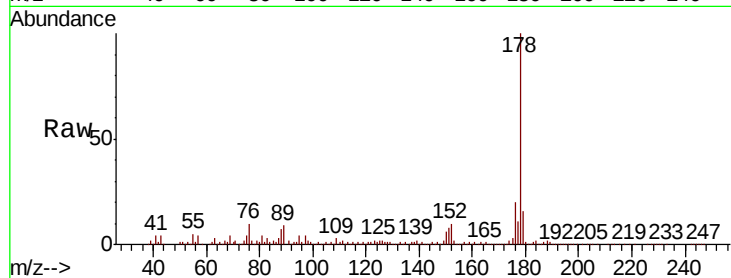
Tgt Ion:178 Resp: 182052

Ion Ratio Lower Upper

178 100

176 20.2 16.5 24.7

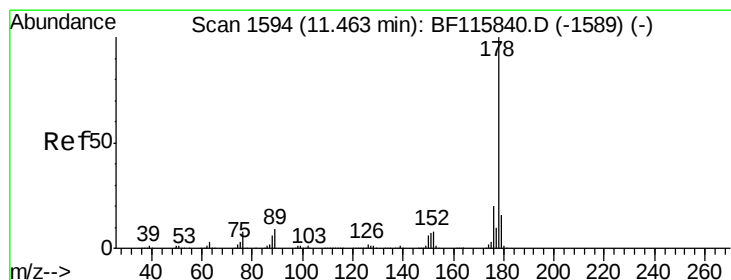
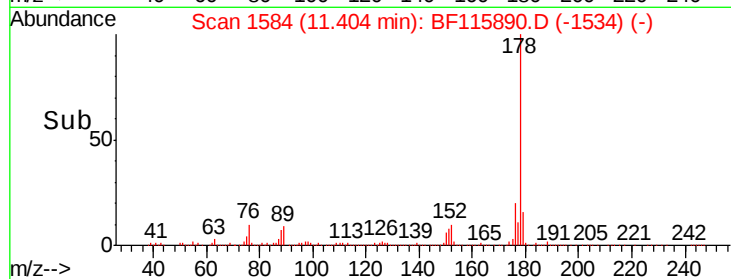
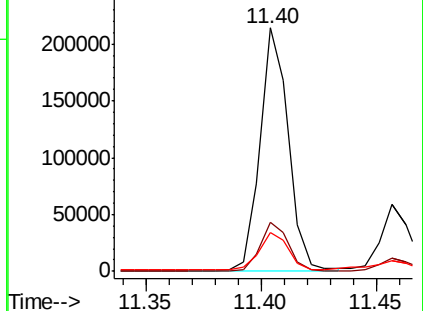
179 16.0 12.6 18.8



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: 2.644 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

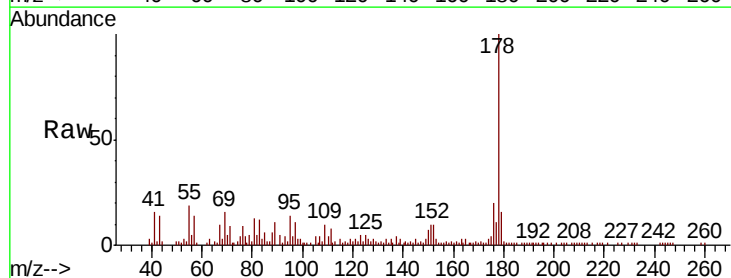
Tgt Ion:178 Resp: 47881

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

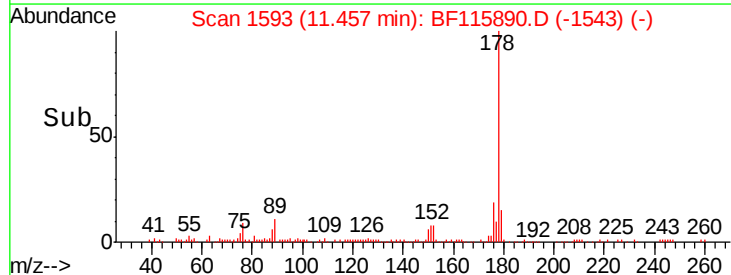
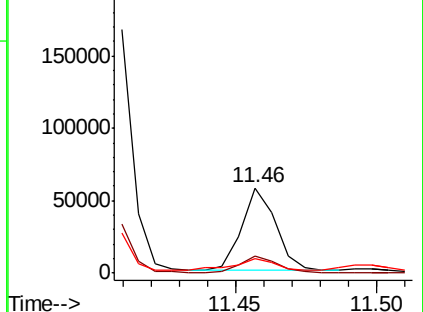
179 16.4 12.4 18.6

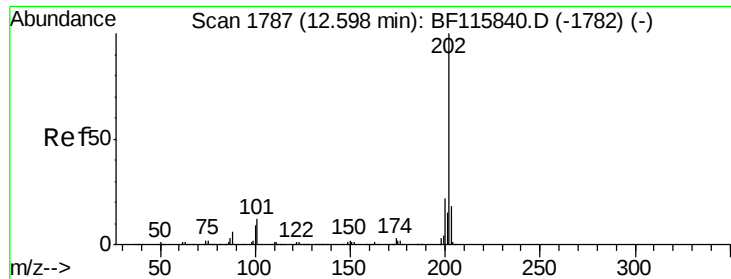


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

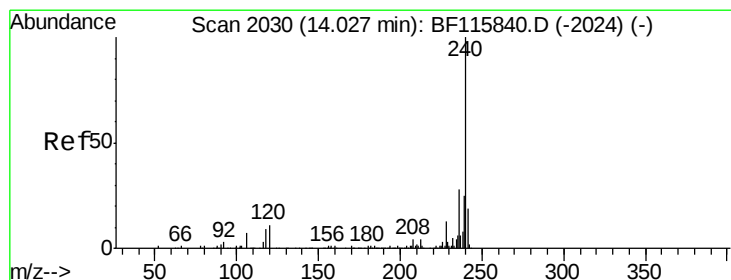
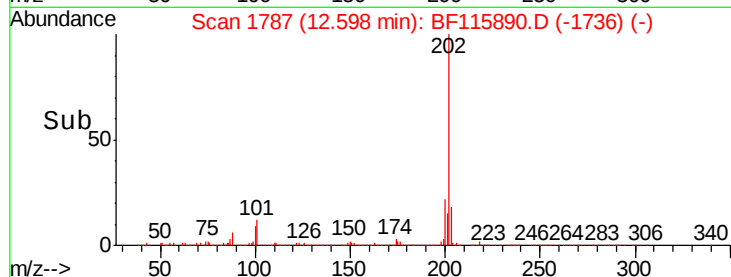
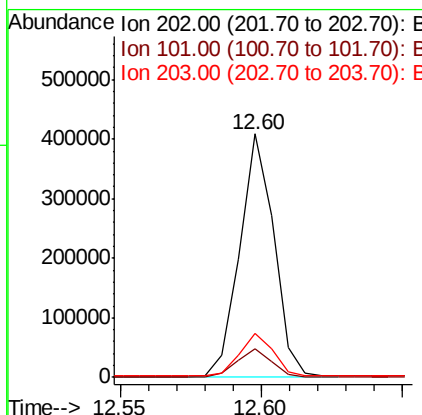
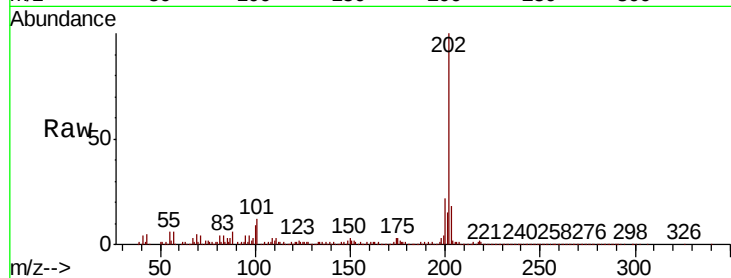




#75
 Fluoranthene
 Concen: 18.374 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

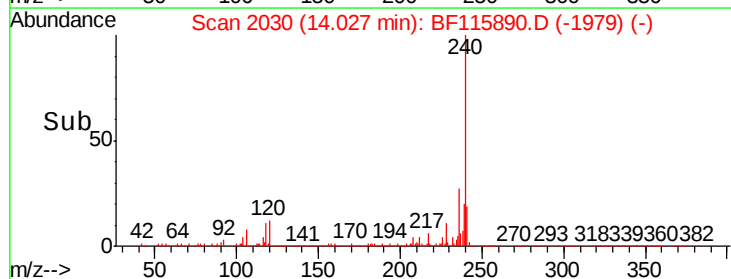
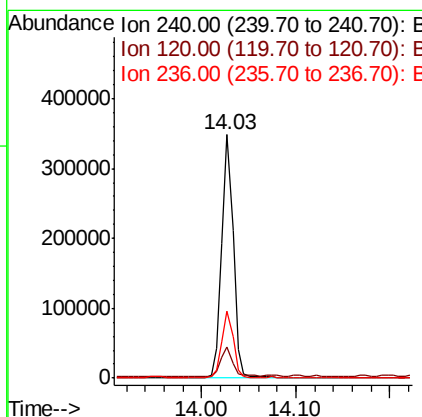
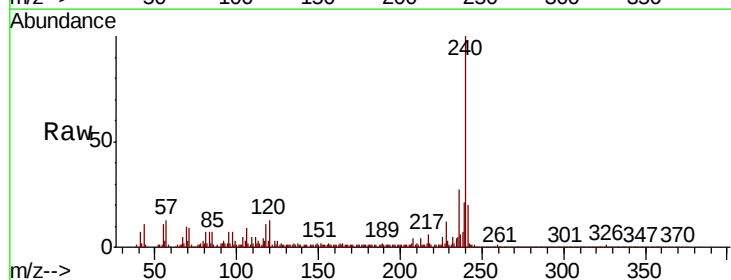
Instrument :
 BNA_F
 ClientSampled :
 SP-5

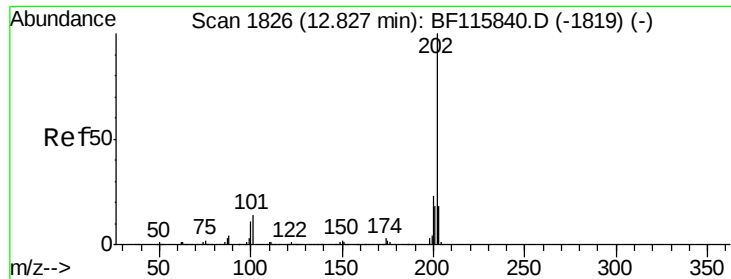
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.5
203	18.0	0.0	37.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.5	12.7
236	27.3	22.2	33.2

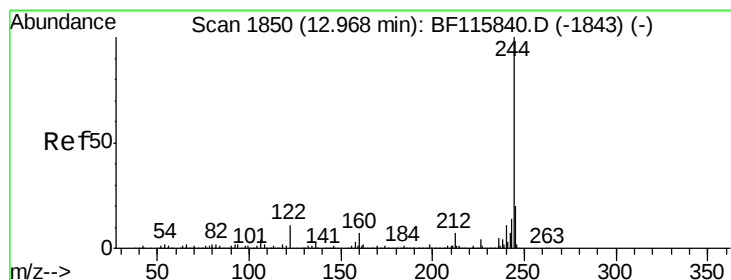
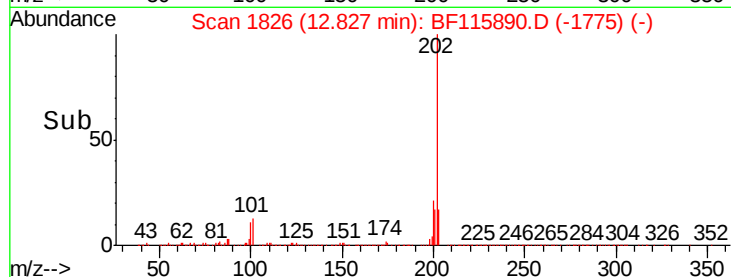
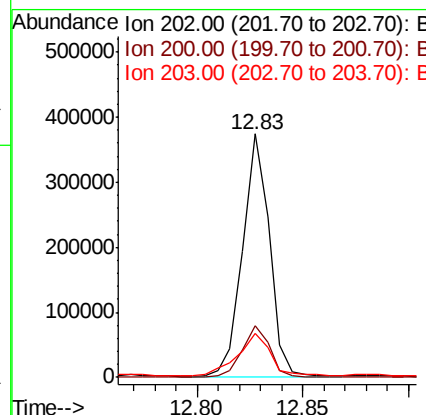
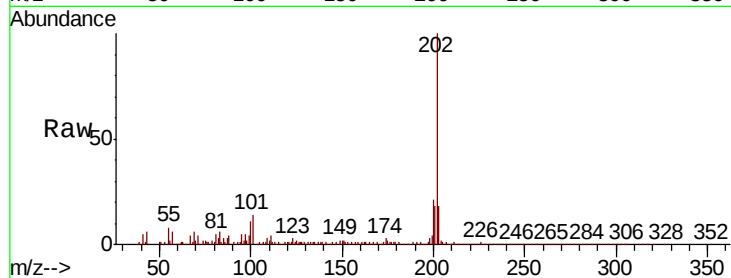




#78
 Pyrene
 Concen: 14.433 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

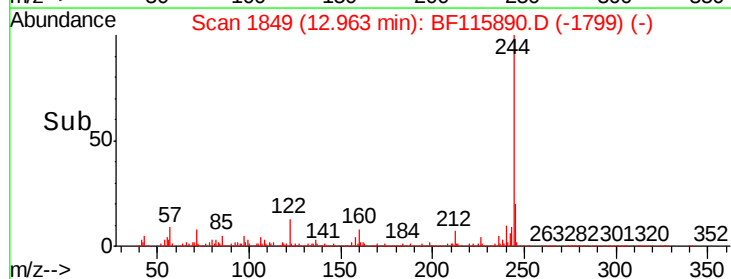
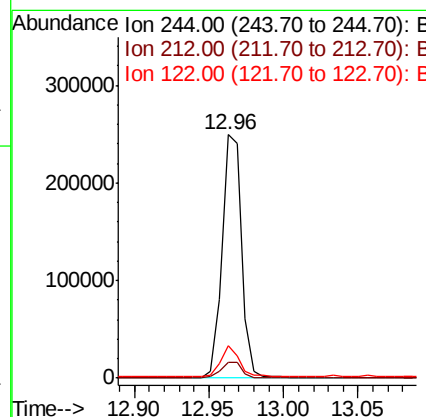
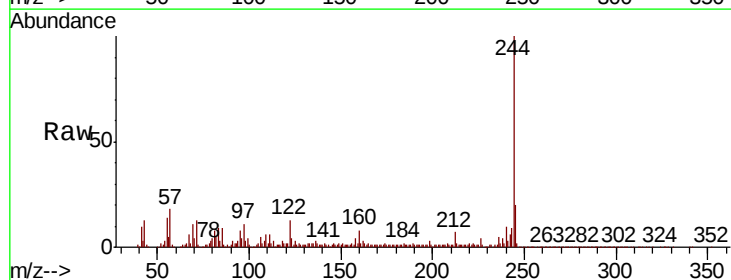
Instrument :
 BNA_F
 ClientSampleId :
 SP-5

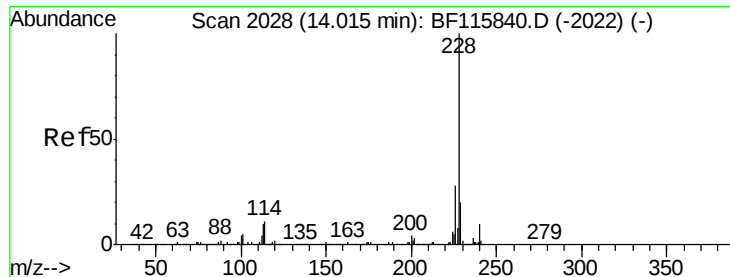
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	17.8	14.3	21.5



#79
 Terphenyl-d14
 Concen: 16.135 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	13.4	8.6	13.0





#81

Benzo(a)anthracene

Concen: 8.053 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampleId :

SP-5

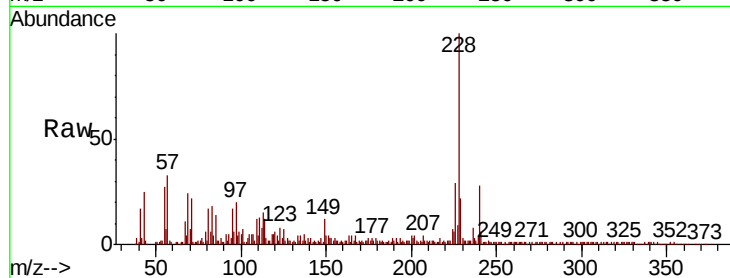
Tgt Ion:228 Resp: 154246

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

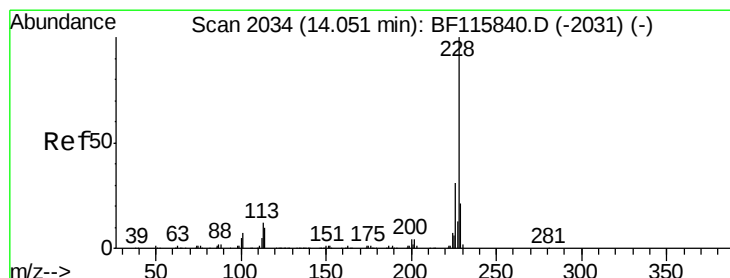
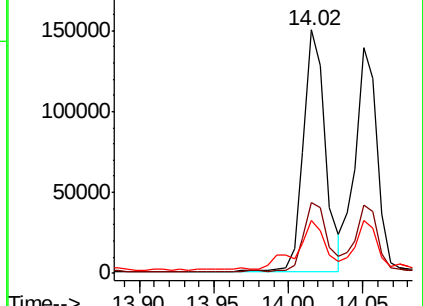
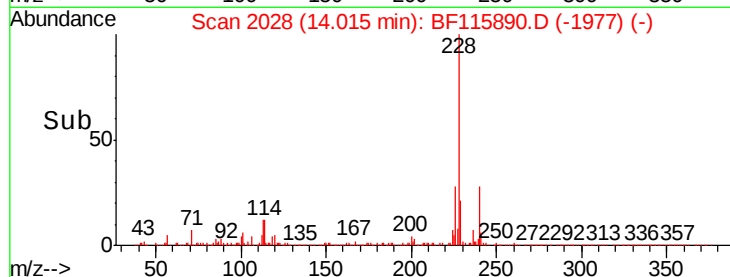
229 21.8 16.1 24.1



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: 7.646 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

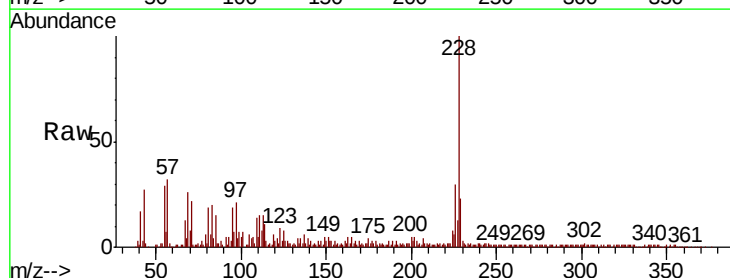
Tgt Ion:228 Resp: 142176

Ion Ratio Lower Upper

228 100

226 30.2 24.8 37.2

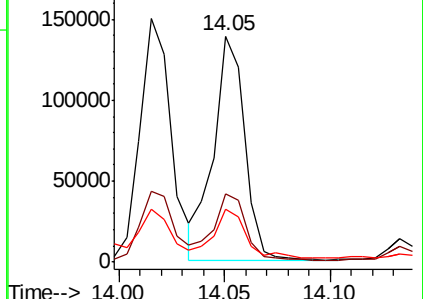
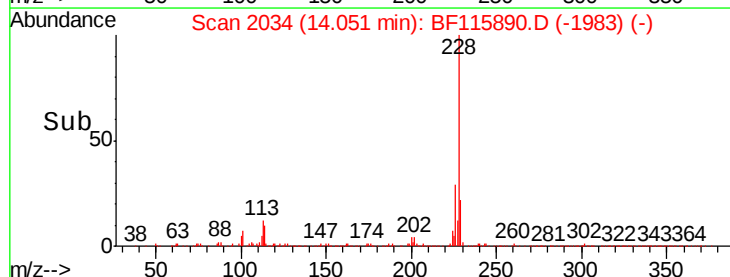
229 23.4 16.4 24.6

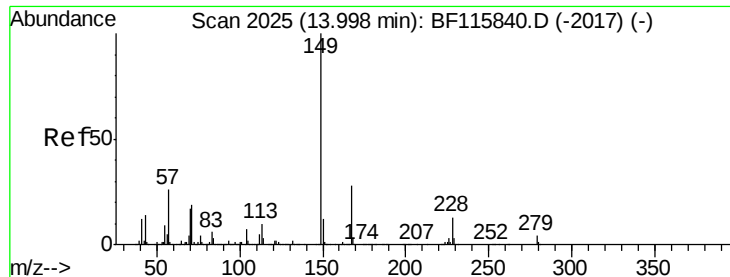


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.484 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

ClientSampleId :

SP-5

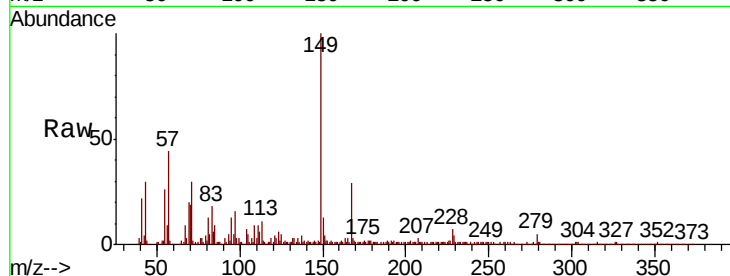
Tgt Ion:149 Resp: 179838

Ion Ratio Lower Upper

149 100

167 28.9 22.4 33.6

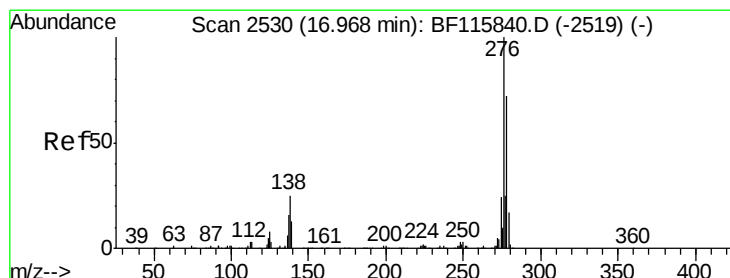
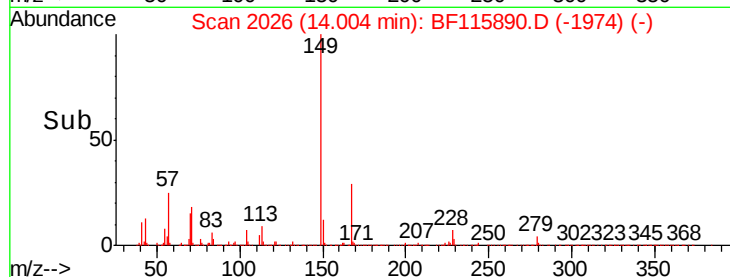
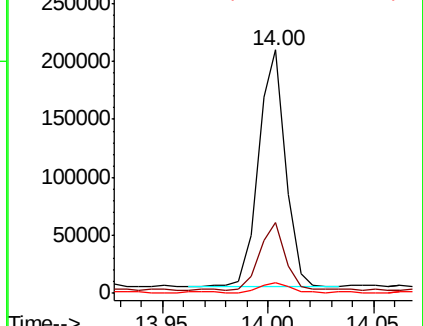
279 4.5 3.3 4.9



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: 3.456 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

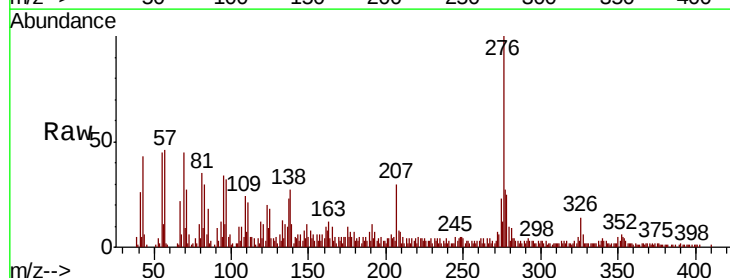
Tgt Ion:276 Resp: 53968

Ion Ratio Lower Upper

276 100

138 21.5 19.6 29.4

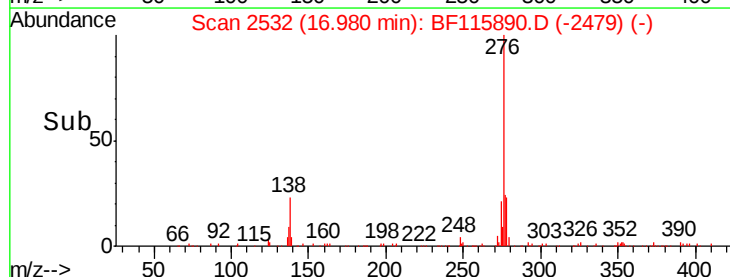
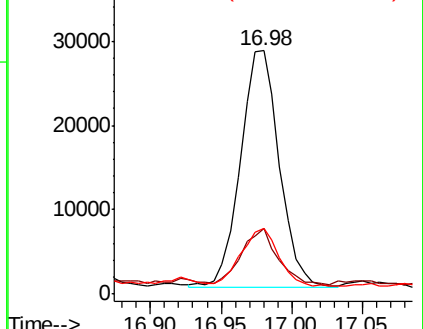
277 24.2 20.1 30.1

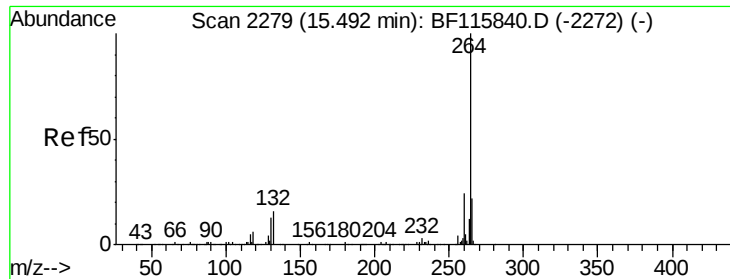


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



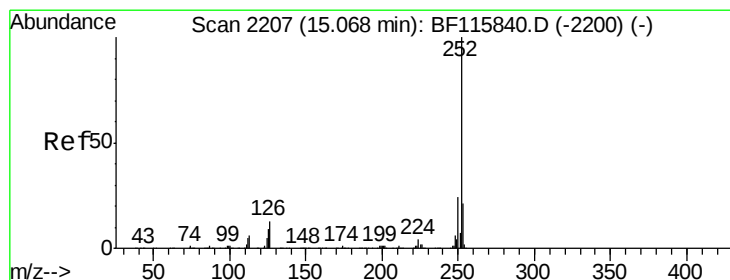
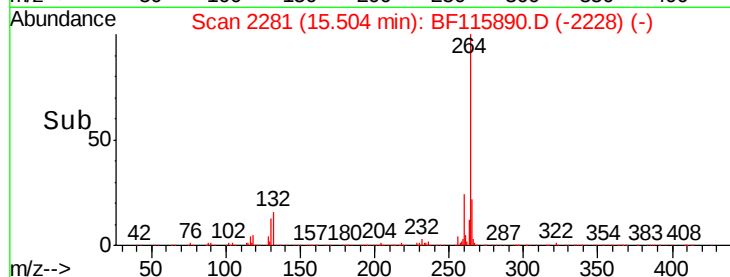
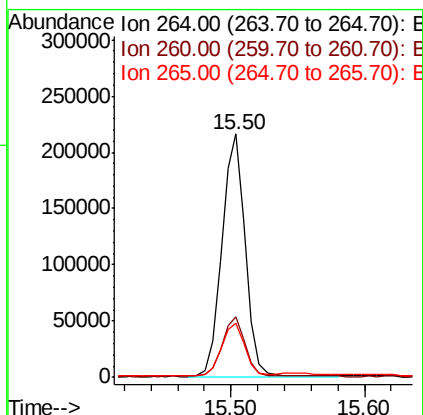
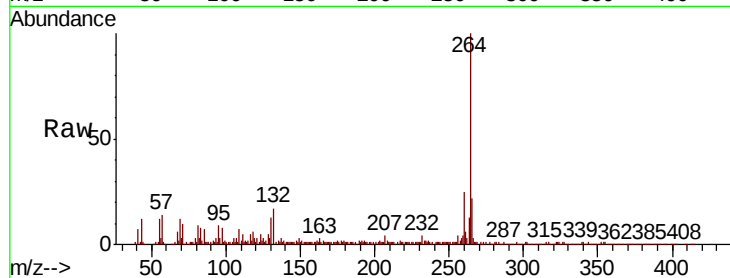


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampleId :
SP-5

Tgt Ion: 264 Resp: 264645

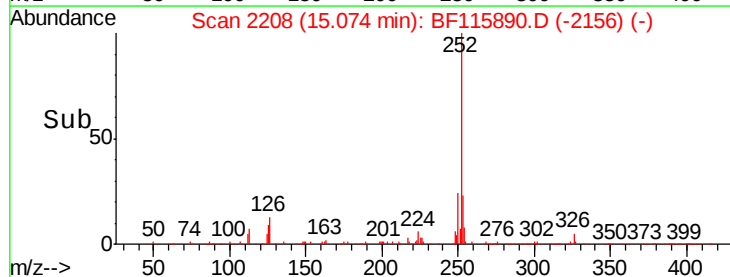
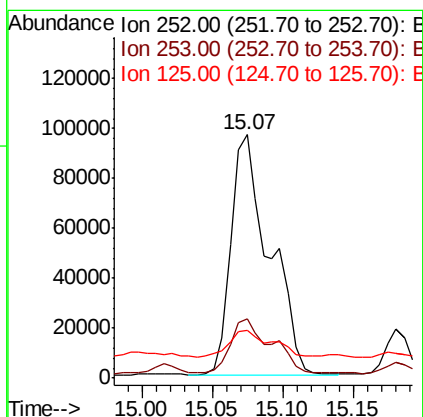
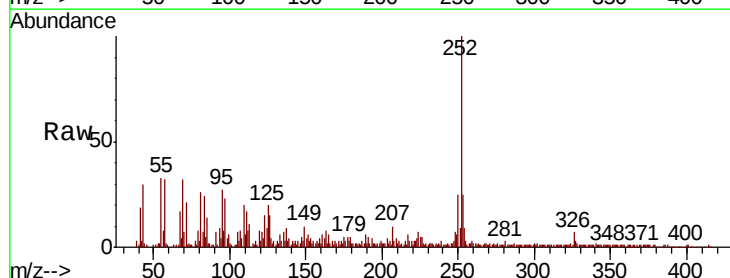
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	22.3	17.5	26.3

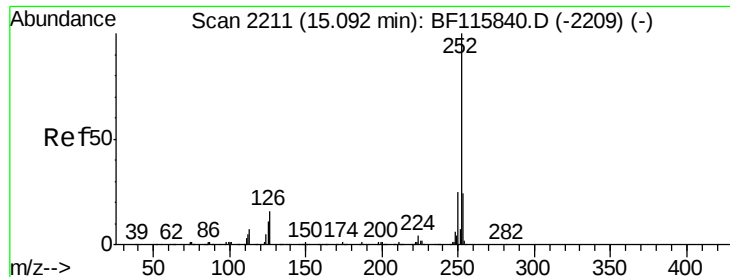


#88
Benzo(b)fluoranthene
Concen: 11.996 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion: 252 Resp: 183565

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	19.8	7.4	11.0

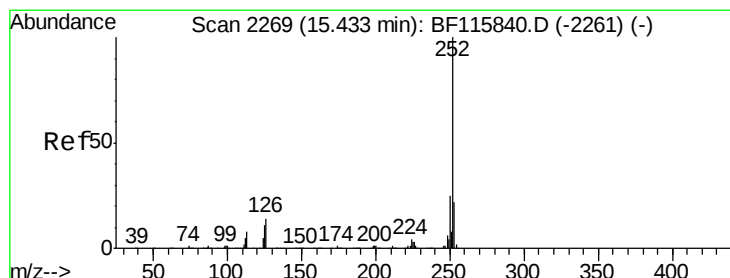
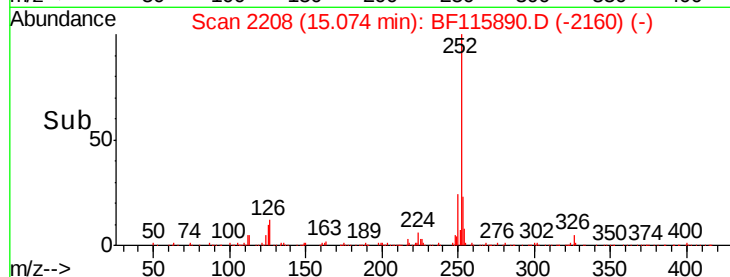
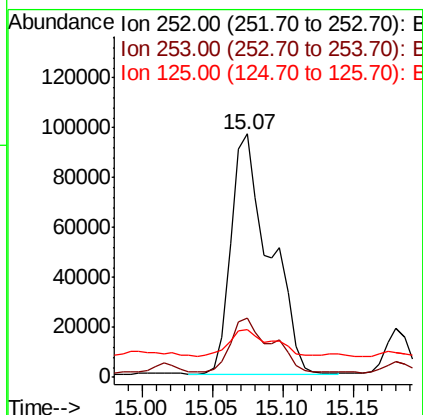
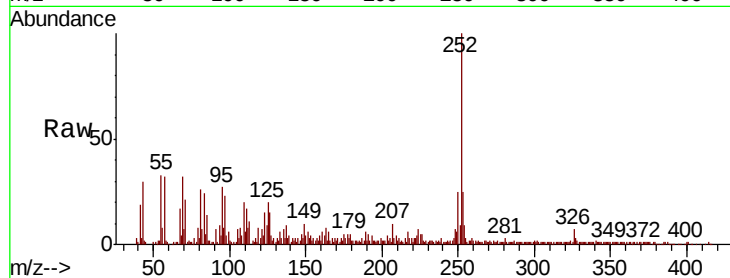




#89
Benzo(k)fluoranthene
Concen: 12.316 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

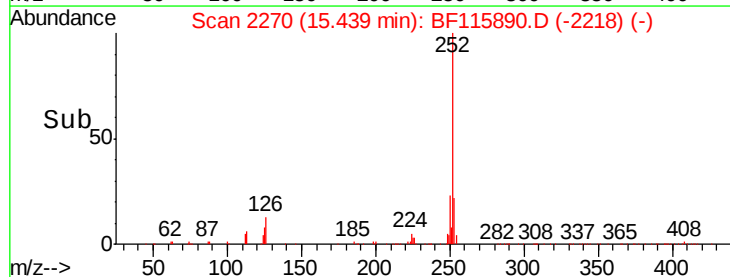
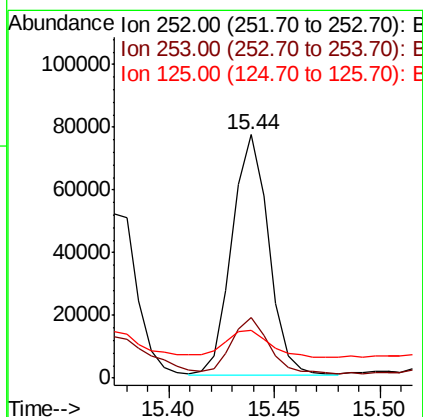
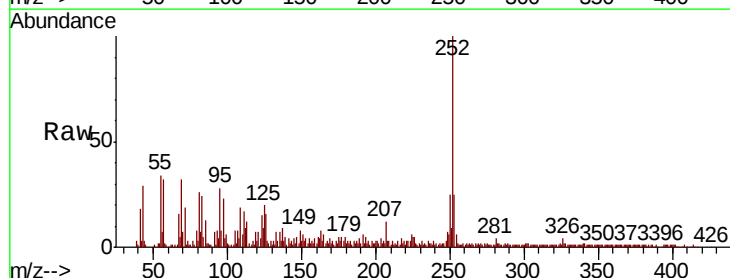
Instrument :
BNA_F
ClientSampleId :
SP-5

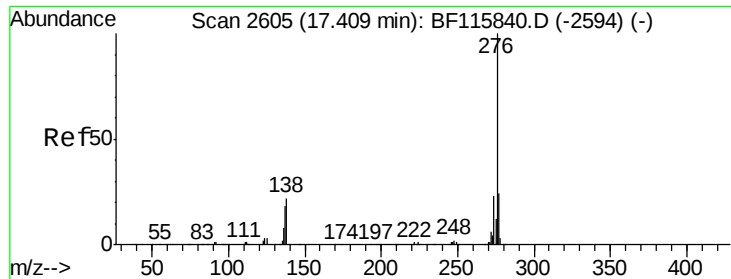
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	19.8	8.9	13.3



#90
Benzo(a)pyrene
Concen: 6.700 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	19.6	8.8	13.2

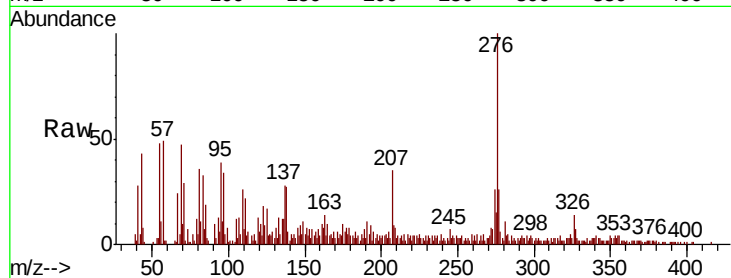




#92
 Benzo(g,h,i)perylene
 Concen: 4.297 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.5	29.3
138	27.2	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

