

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115639.D
 Acq On : 17 Jul 2019 22:59
 Operator : HP/JU
 Sample : K3840-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-005-B

Quant Time: Jul 18 04:49:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	133240	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	489732	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	183074	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	292751	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	217356	20.00	ng	-0.02
87) Perylene-d12	15.50	264	177147	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	101799	12.50	ng	0.00
7) Phenol-d6	6.50	99	198982	19.25	ng	-0.01
23) Nitrobenzene-d5	7.43	82	120077	14.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	11101	5.19	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	199643	19.09	ng	-0.02
79) Terphenyl-d14	12.98	244	147927	12.56	ng	-0.02

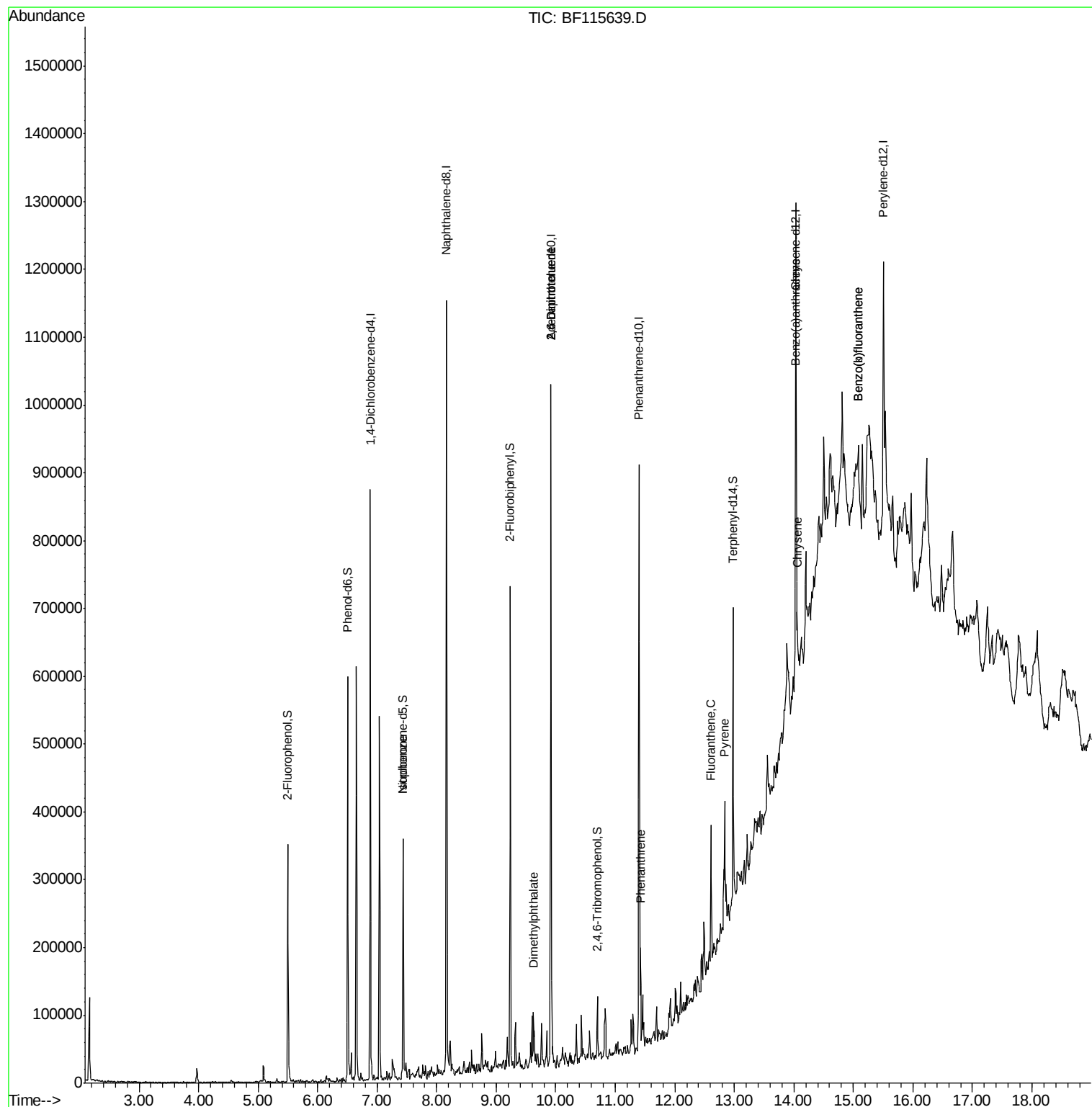
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.43	82	118078	7.006	ng	# 65
50) Dimethylphthalate	9.62	163	28039	2.036	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	24711	7.894	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	24711	6.093	ng	# 24
71) Phenanthrene	11.42	178	48463	3.230	ng	# 96
75) Fluoranthene	12.61	202	76728	4.839	ng	# 98
78) Pyrene	12.84	202	72193	3.920	ng	# 98
81) Benzo(a)anthracene	14.02	228	28886	2.017	ng	# 90
83) Chrysene	14.06	228	29863	2.077	ng	# 91
88) Benzo(b)fluoranthene	15.07	252	34859	3.056	ng	# 51
89) Benzo(k)fluoranthene	15.07	252	34859	3.428	ng	# 53

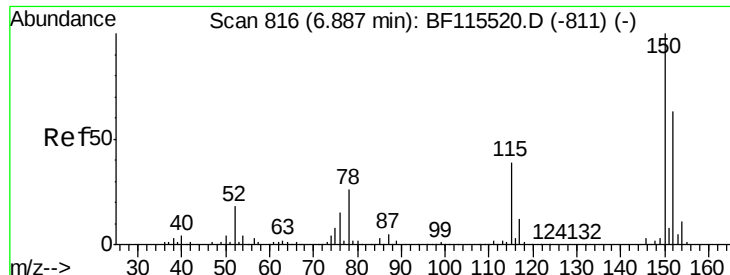
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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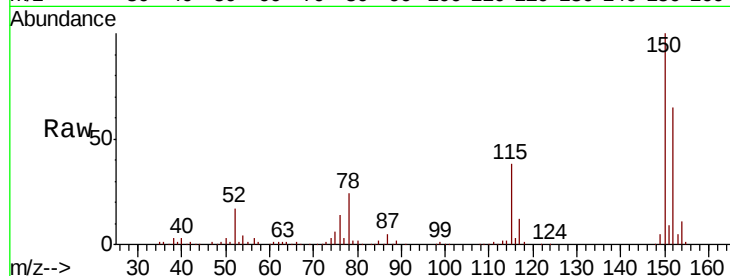


#1

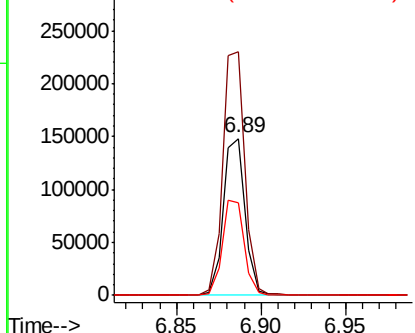
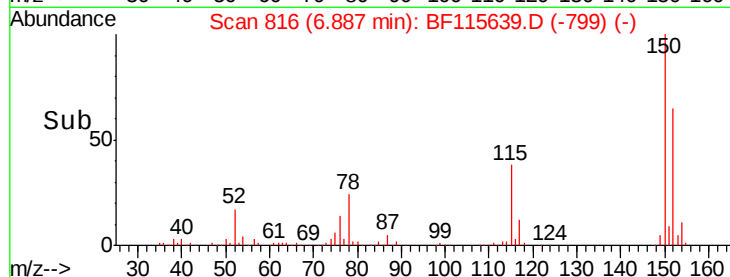
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-B

Tgt Ion:152 Resp: 133240
Ion Ratio Lower Upper
152 100
150 155.0 129.7 194.5
115 58.9 48.2 72.4



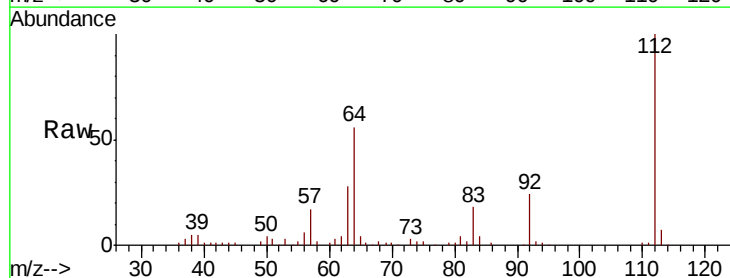
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



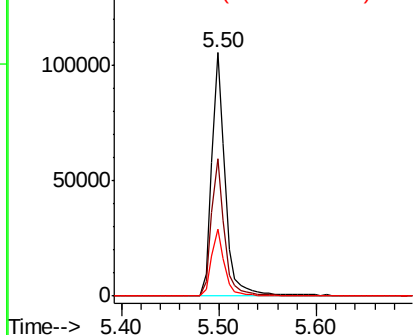
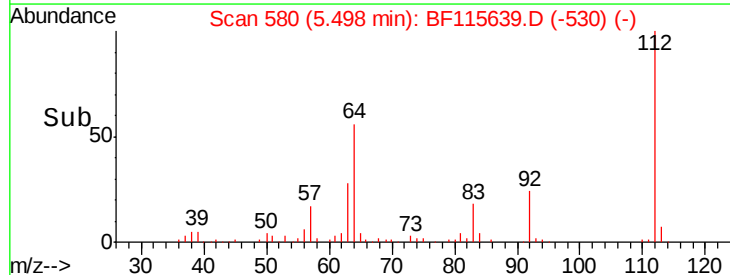
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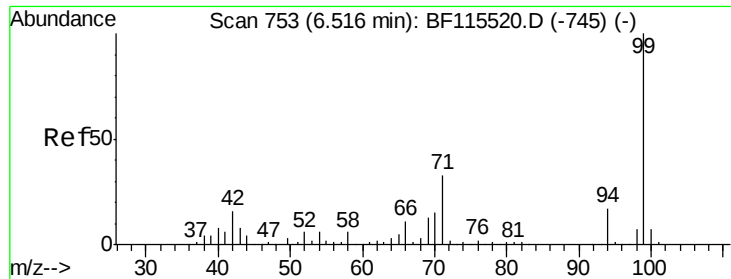
2-Fluorophenol
Concen: 12.497 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

Tgt Ion:112 Resp: 101799
Ion Ratio Lower Upper
112 100
64 56.3 46.8 70.2
63 27.8 24.1 36.1



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: 19.251 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-B

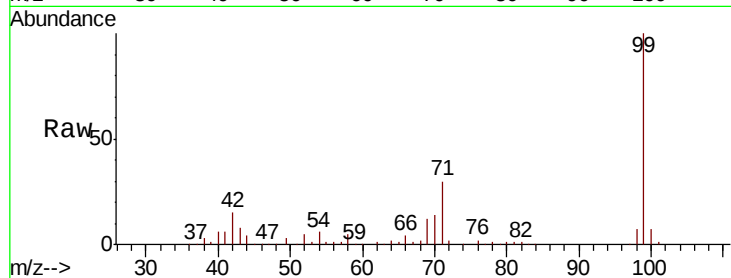
Tgt Ion: 99 Resp: 198982

Ion Ratio Lower Upper

99 100

42 15.3 13.6 20.4

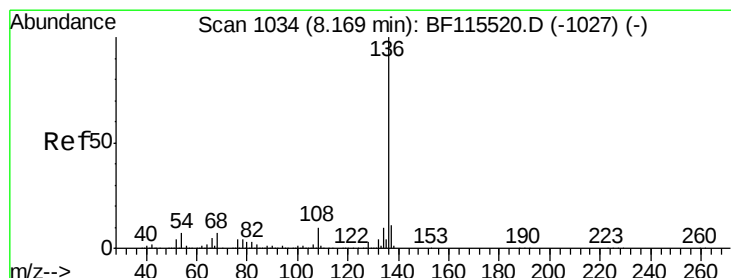
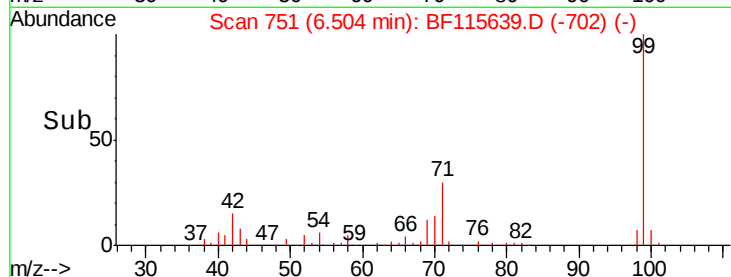
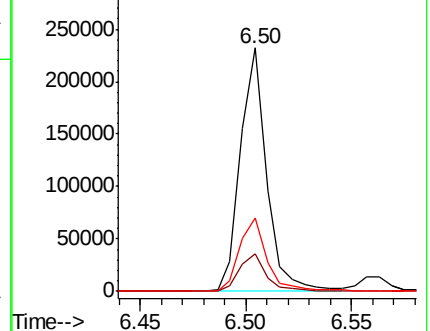
71 30.0 28.5 42.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Tgt Ion: 136 Resp: 489732

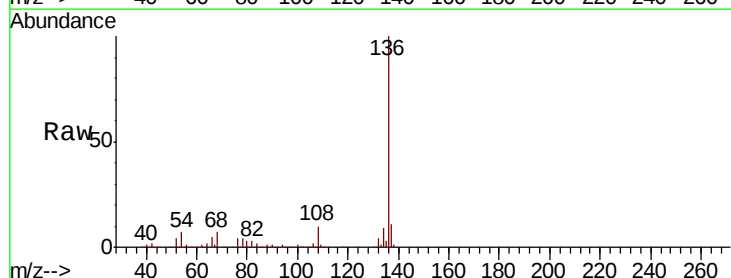
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.2 5.6 8.4

68 6.6 5.0 7.6

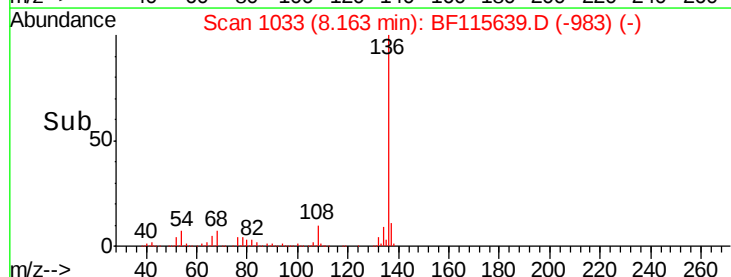
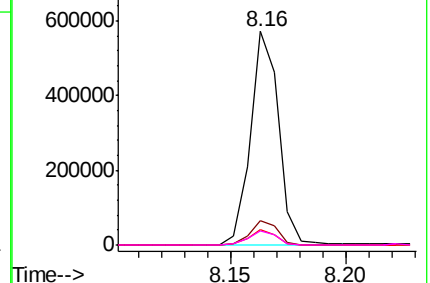


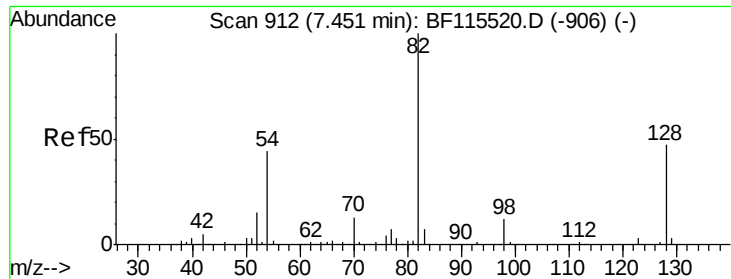
Abundance Ion 136.00 (135.70 to 136.70): E

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

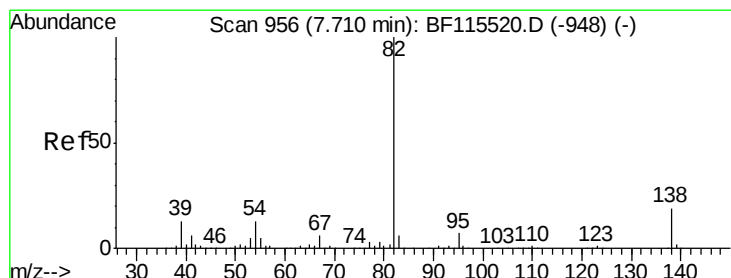
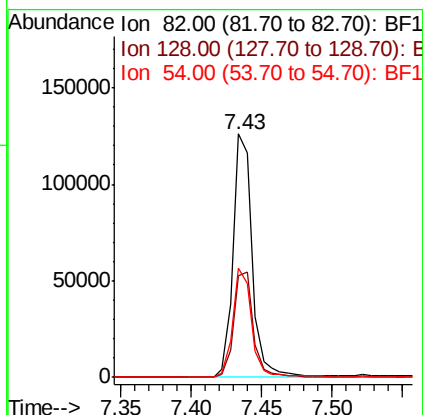
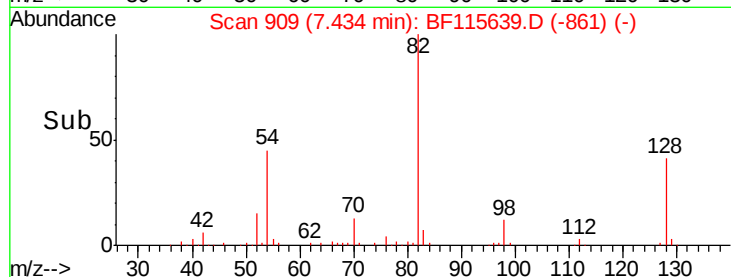
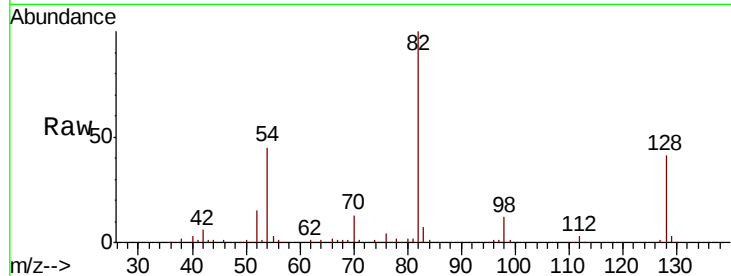




#23
 Nitrobenzene-d5
 Concen: 14.257 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

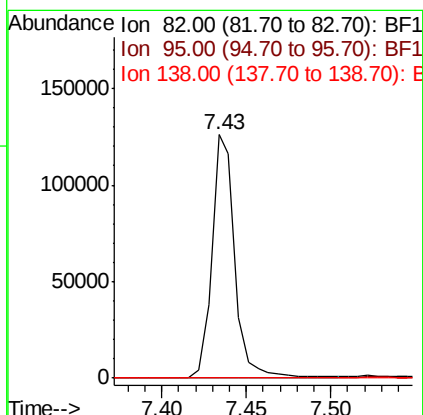
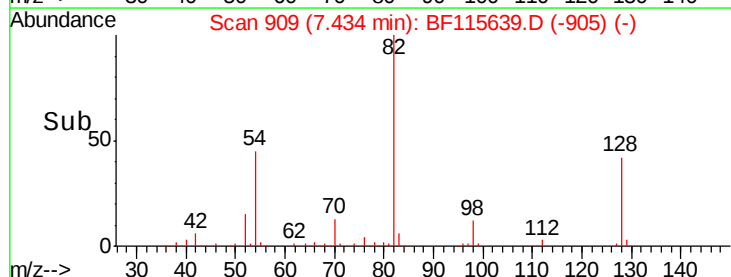
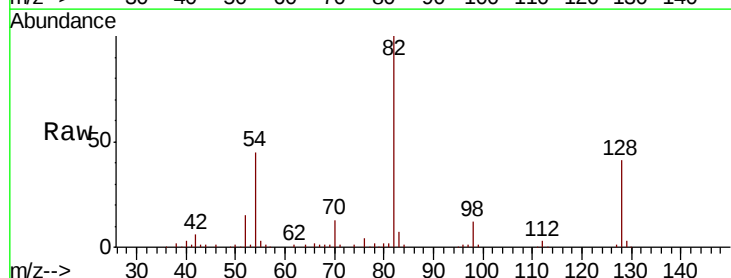
Instrument :
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 FK-SF-02-005-B

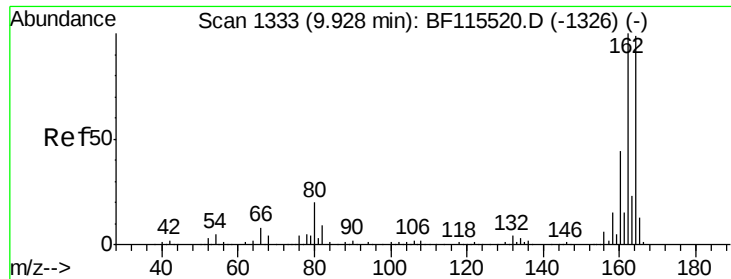
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.5	38.6	57.8
54	44.8	35.6	53.4



#25
 Isophorone
 Concen: 7.006 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.28 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.5	8.3#
138	0.0	14.9	22.3#

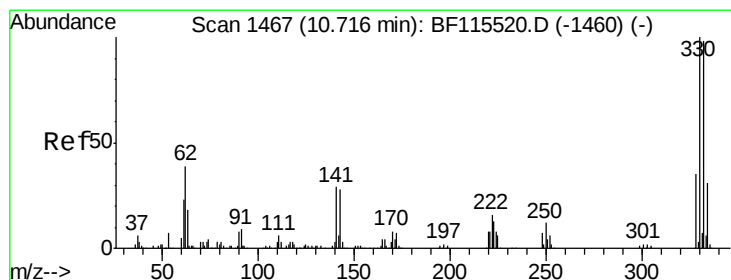
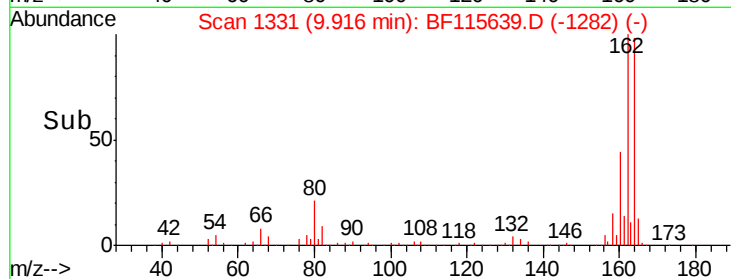
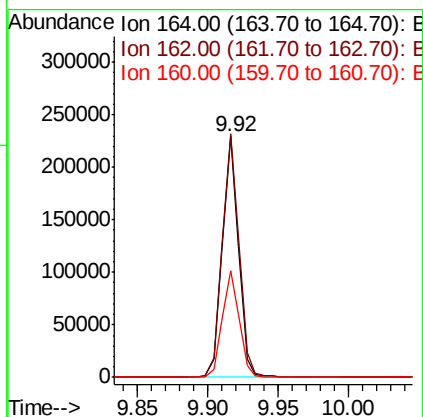
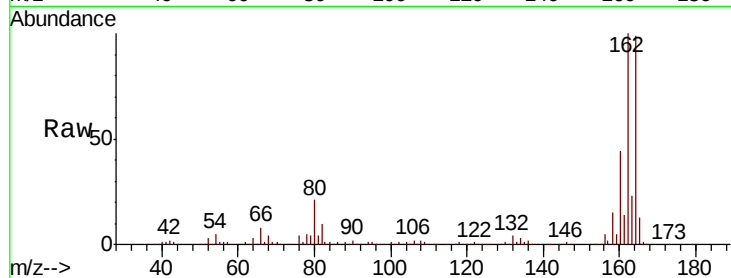




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

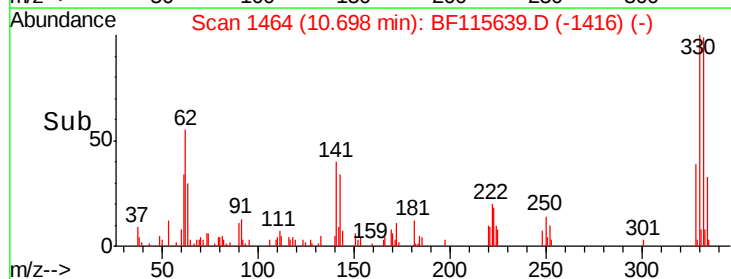
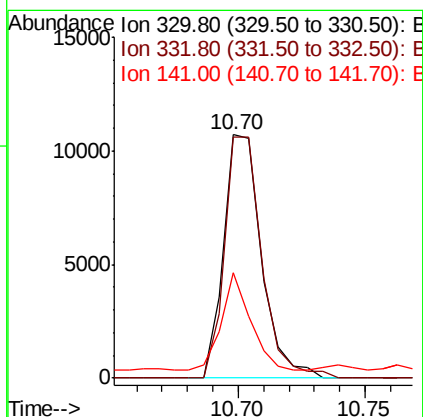
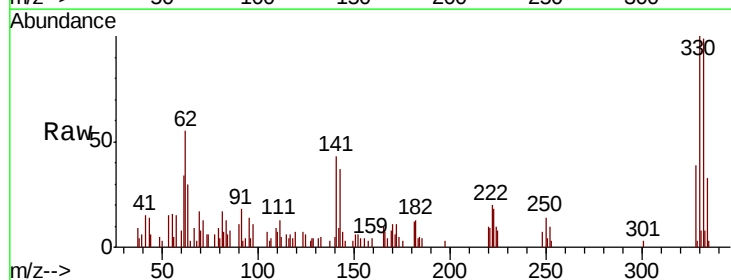
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-005-B

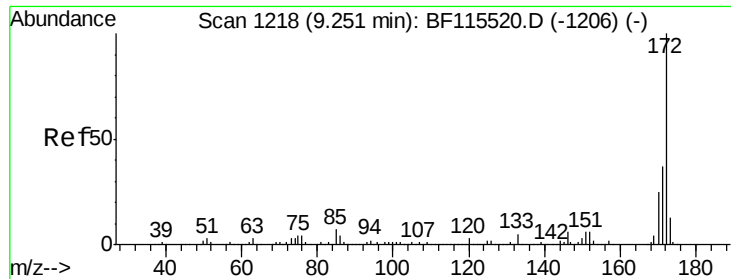
Tgt Ion:164 Resp: 183074
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.9 124.3
 160 44.4 36.8 55.2



#42
 2,4,6-Tribromophenol
 Concen: 5.195 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

Tgt Ion:330 Resp: 11101
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.4 116.2
 141 47.8 22.4 33.6#

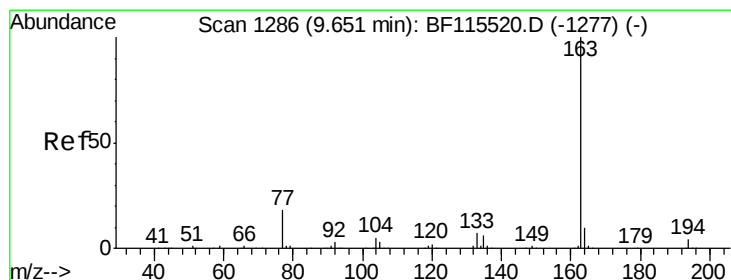
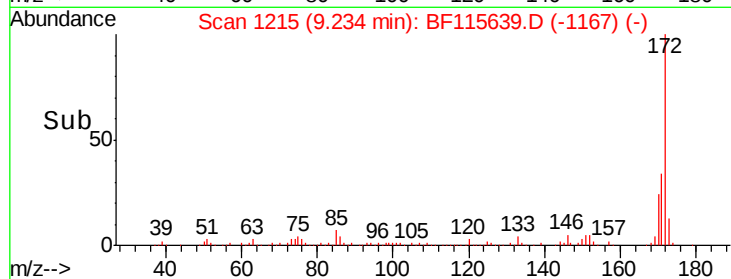
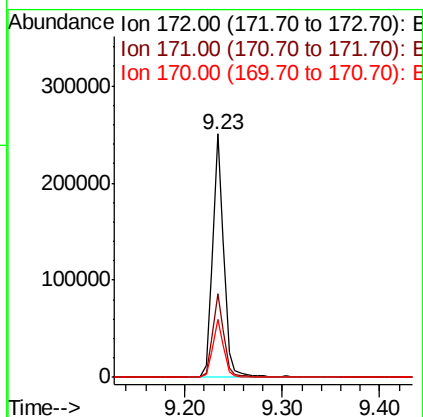
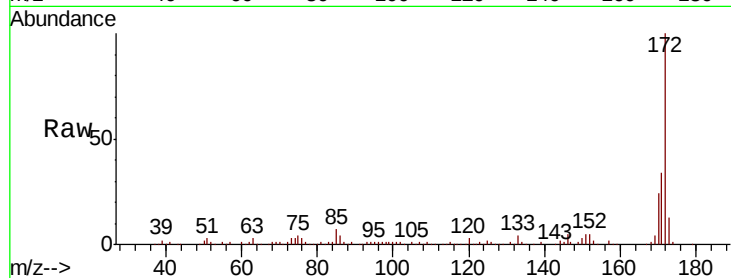




#45
2-Fluorobiphenyl
Concen: 19.087 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

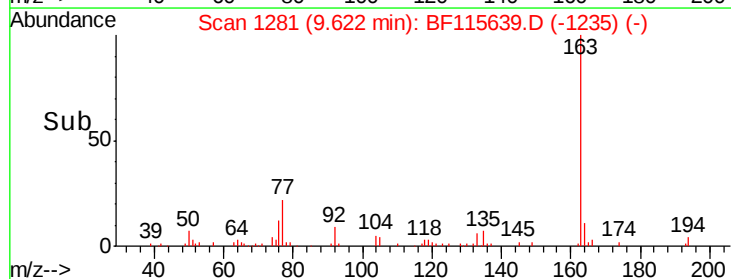
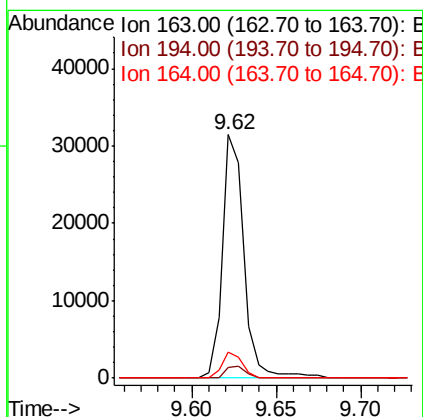
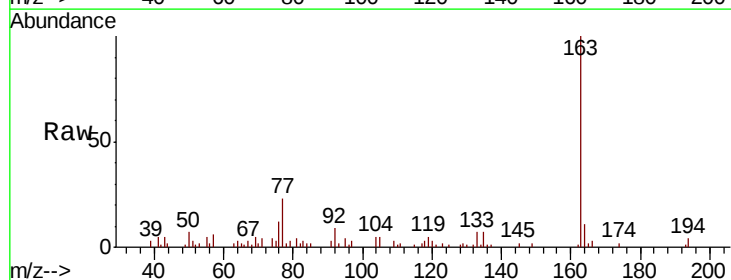
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BNA_F
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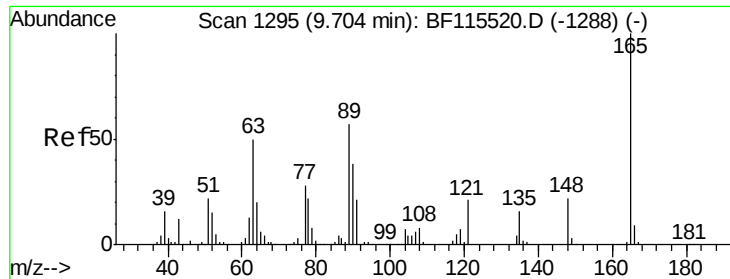
Tgt Ion:172 Resp: 199643
Ion Ratio Lower Upper
172 100
171 34.1 30.6 46.0
170 23.8 20.5 30.7



#50
Dimethylphthalate
Concen: 2.036 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

Tgt Ion:163 Resp: 28039
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.6 8.7 13.1

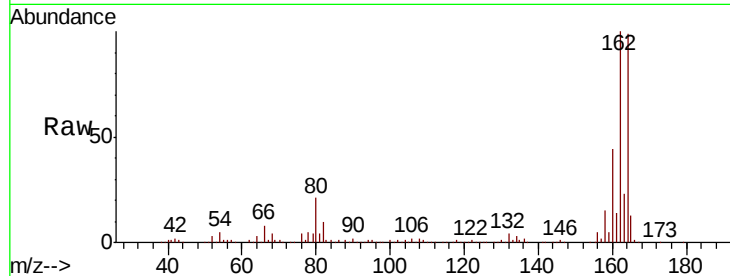




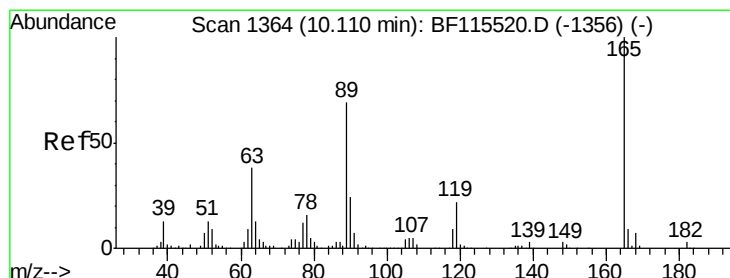
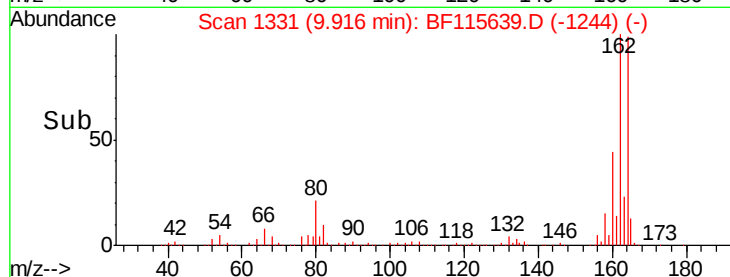
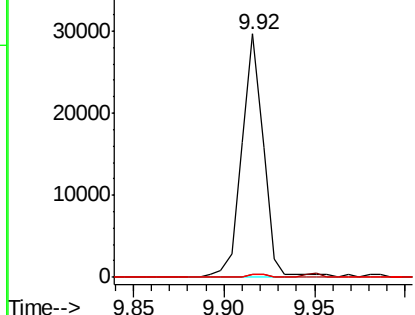
#51
 2,6-Dinitrotoluene
 Concen: 7.894 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-005-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.6	61.0#
89	1.5	43.9	65.9#

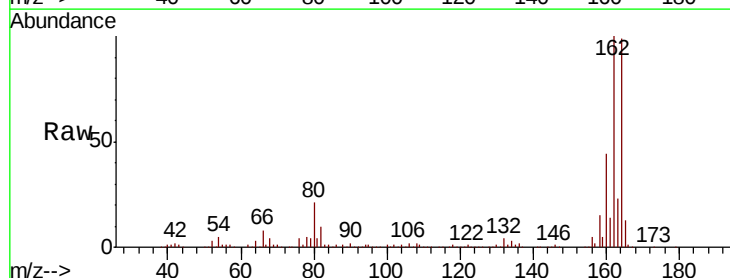


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

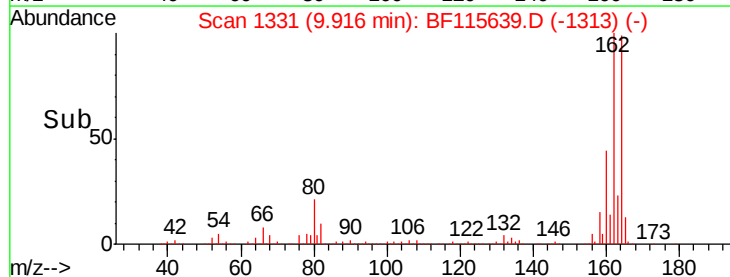
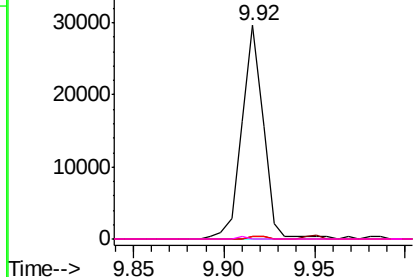


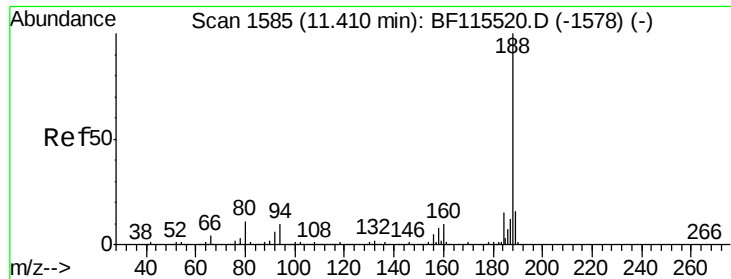
#57
 2,4-Dinitrotoluene
 Concen: 6.093 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.9	52.3#
89	1.5	57.5	86.3#
182	0.0	2.2	3.4#



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: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-B

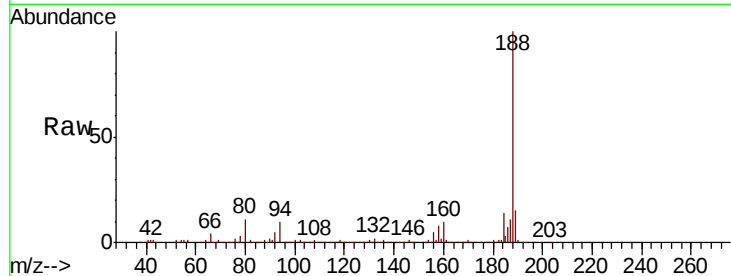
Tgt Ion:188 Resp: 292751

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.6

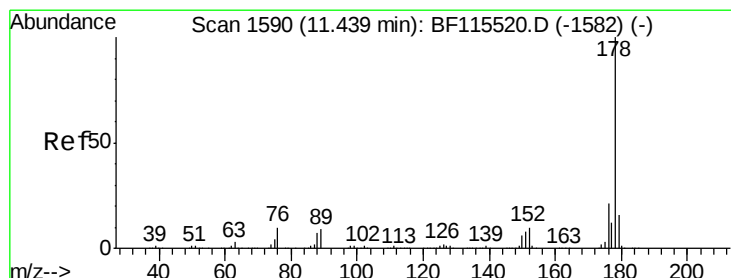
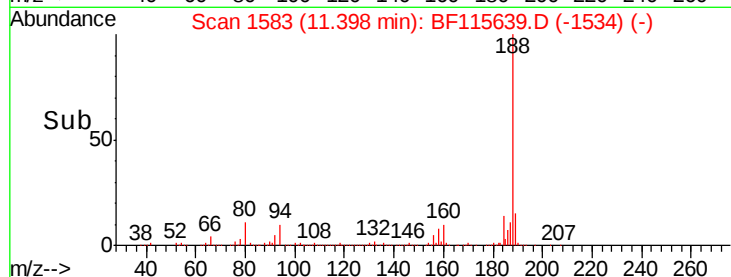
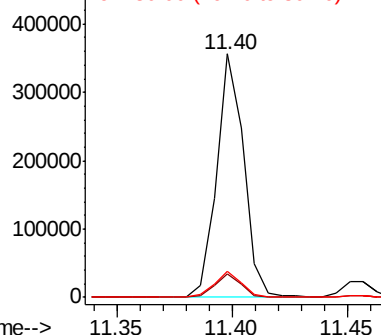
80 10.9 8.6 13.0



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: 3.230 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

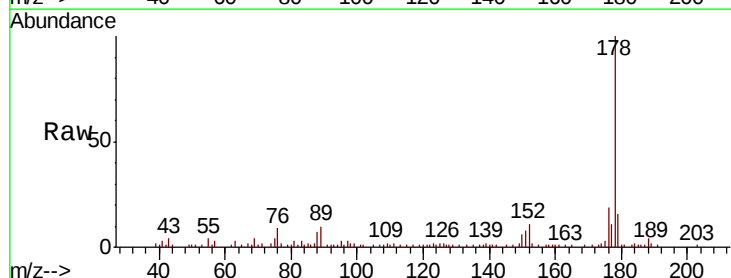
Tgt Ion:178 Resp: 48463

Ion Ratio Lower Upper

178 100

176 18.8 17.2 25.8

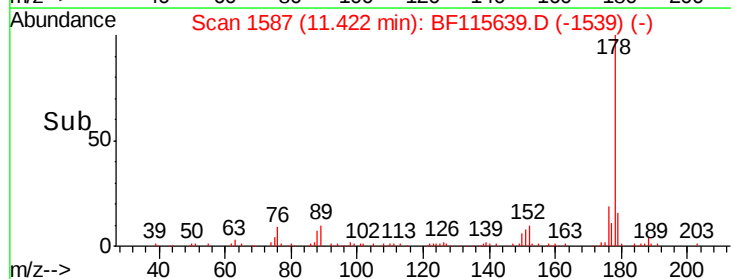
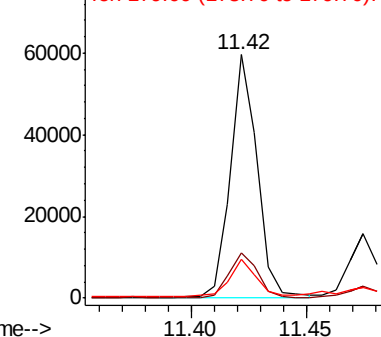
179 16.2 13.5 20.3

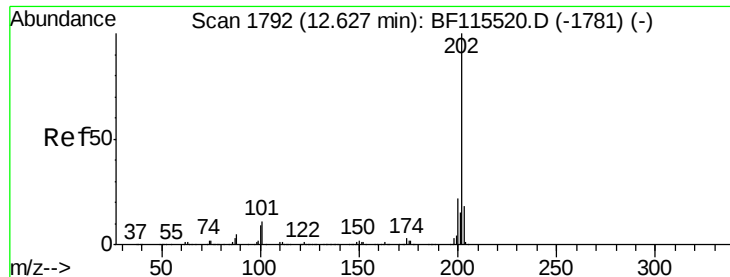


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.839 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-B

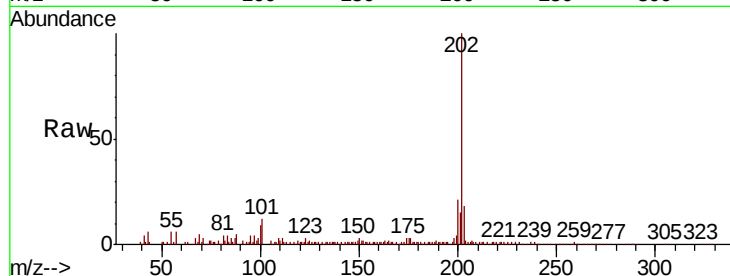
Tgt Ion:202 Resp: 76728

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

203 17.7 0.0 38.1

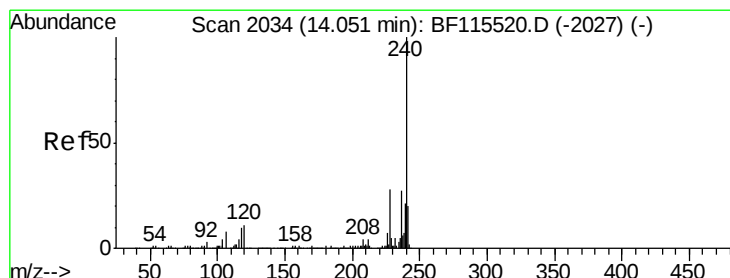
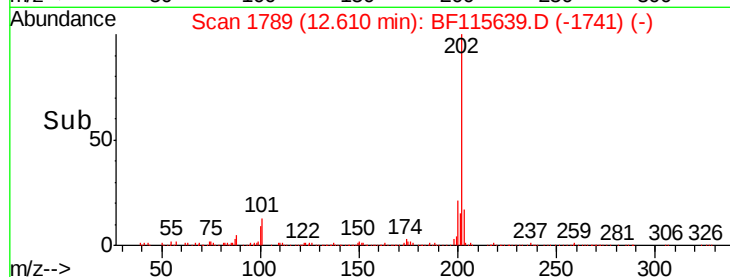
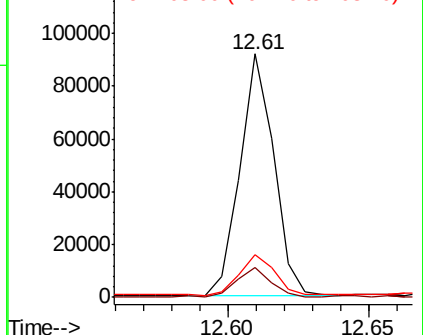


Abundance

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# 2031

Delta R.T. -0.02 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

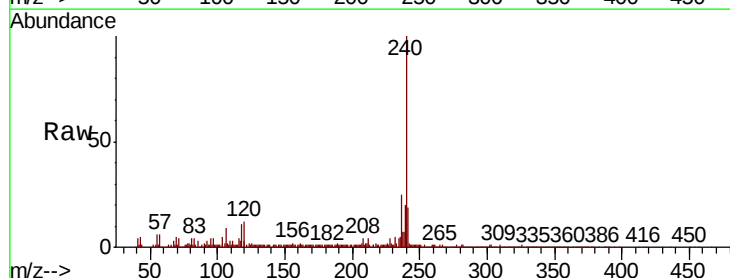
Tgt Ion:240 Resp: 217356

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

236 25.1 21.3 31.9

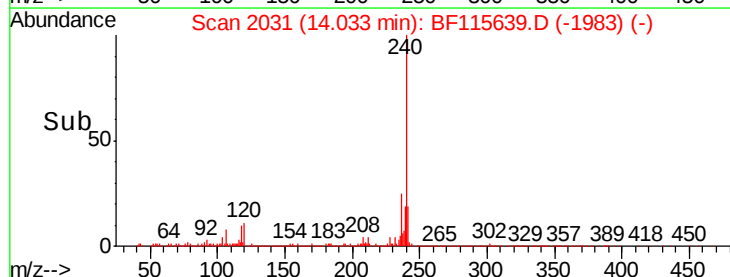
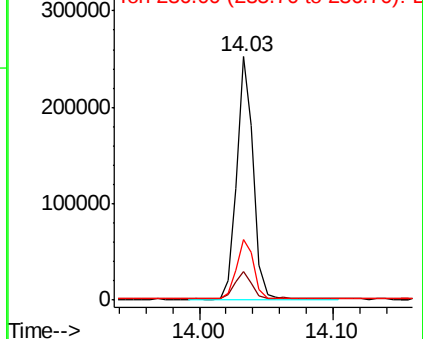


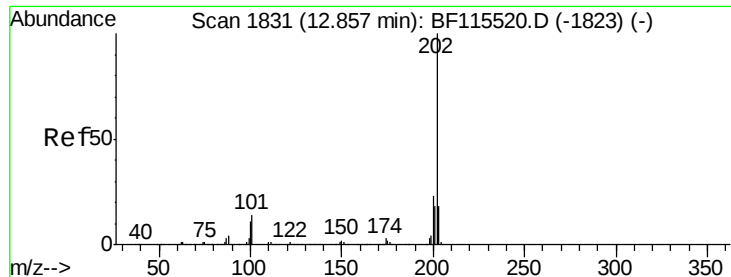
Abundance

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

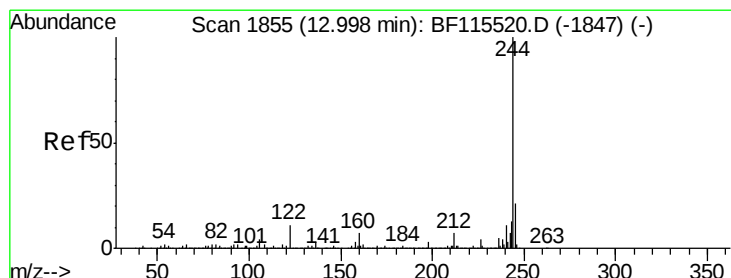
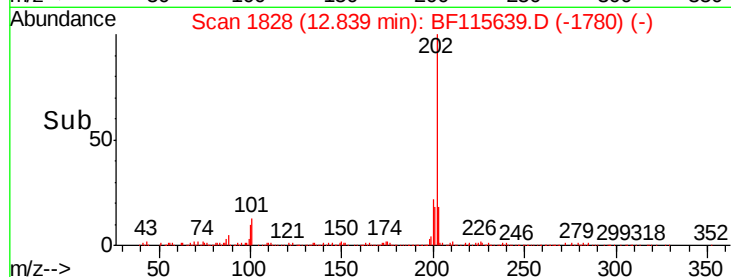
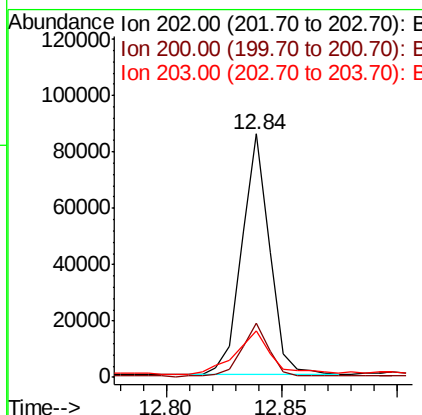
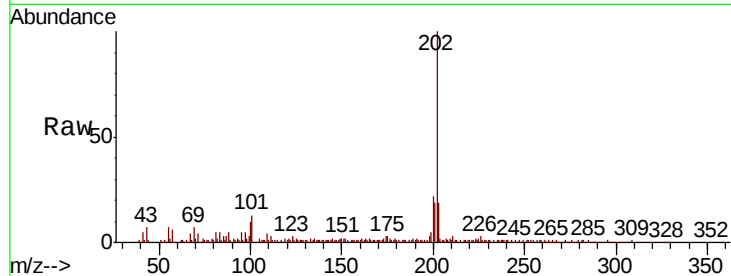




#78
 Pyrene
 Concen: 3.920 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

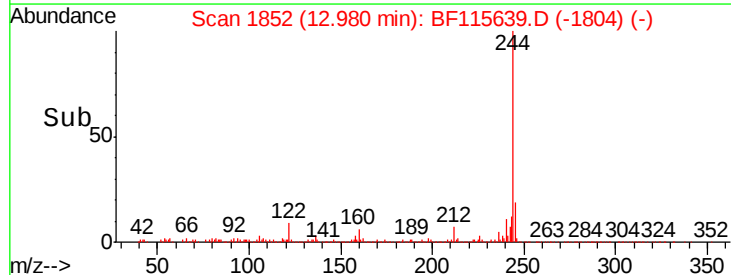
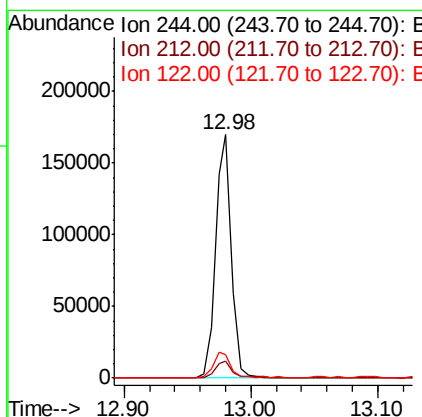
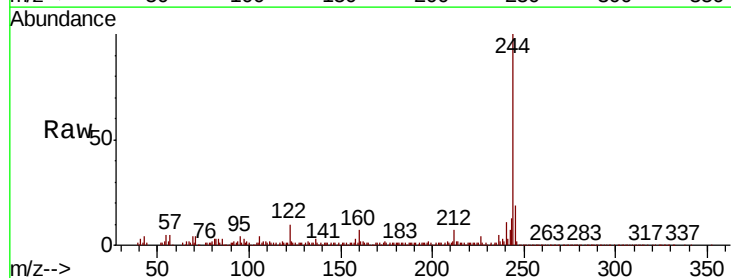
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-005-B

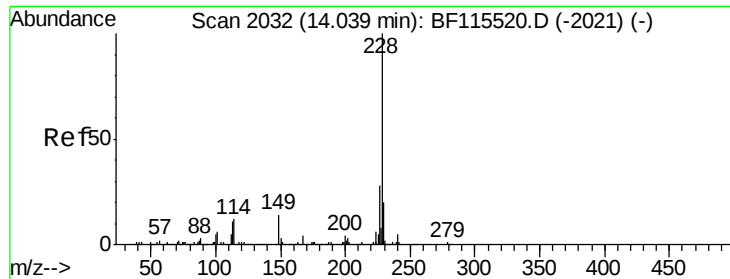
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.7	28.1
203	19.0	15.2	22.8



#79
 Terphenyl-d14
 Concen: 12.558 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF115639.D
 Acq: 17 Jul 2019 22:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.8	8.6	12.8





#81

Benzo(a)anthracene

Concen: 2.017 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-B

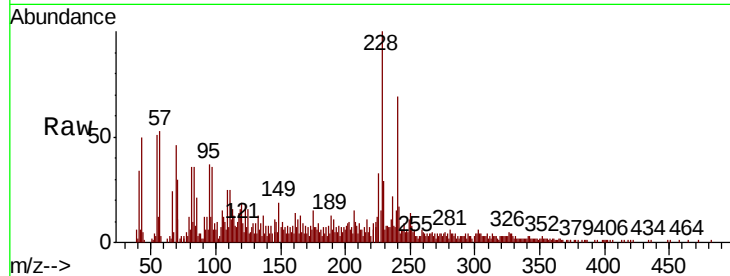
Tgt Ion:228 Resp: 28886

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

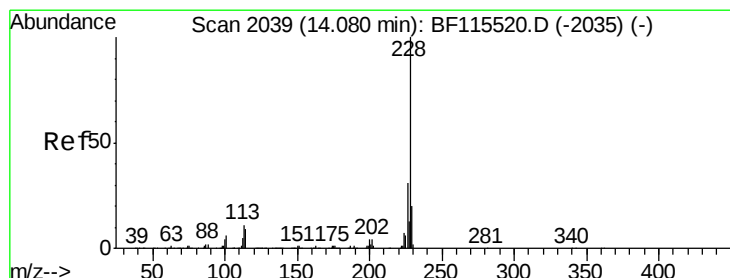
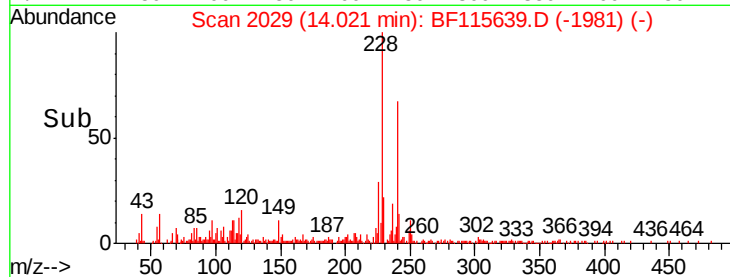
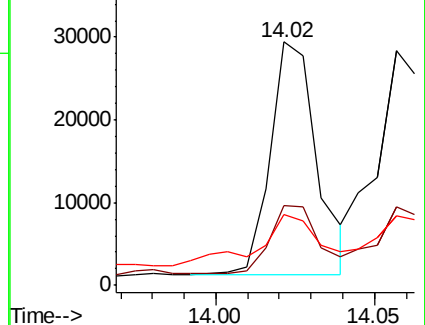
229 28.9 17.2 25.8#



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: 2.077 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

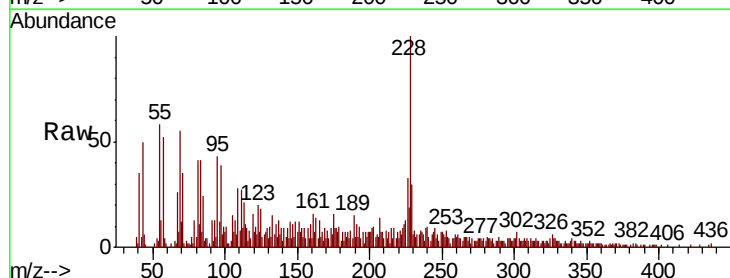
Tgt Ion:228 Resp: 29863

Ion Ratio Lower Upper

228 100

226 33.4 25.7 38.5

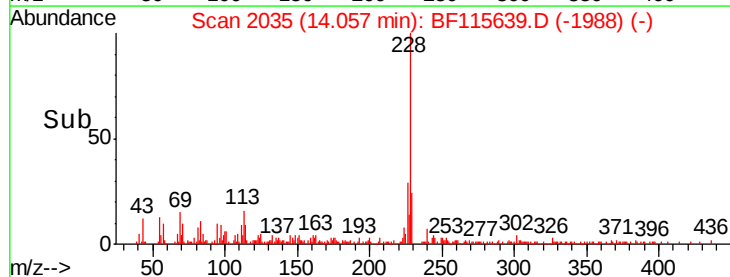
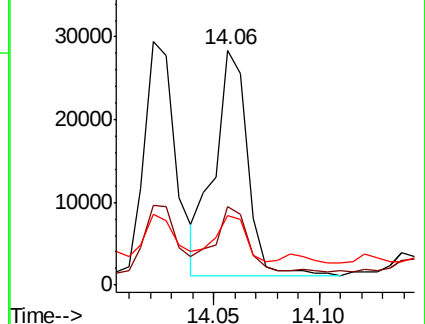
229 29.8 16.6 25.0#

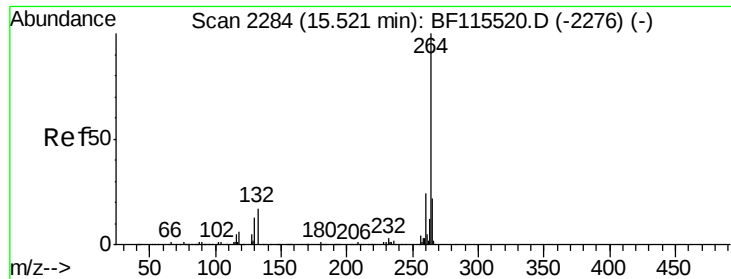


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



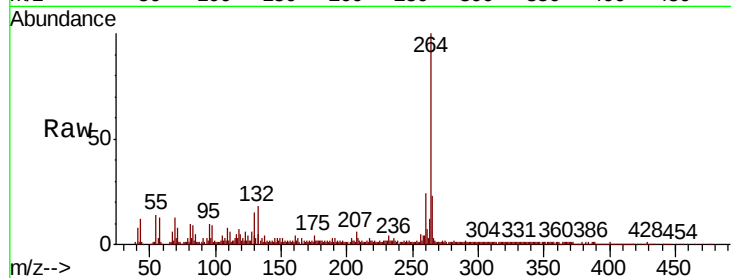


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

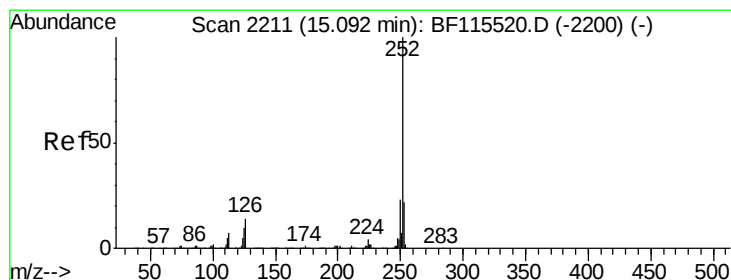
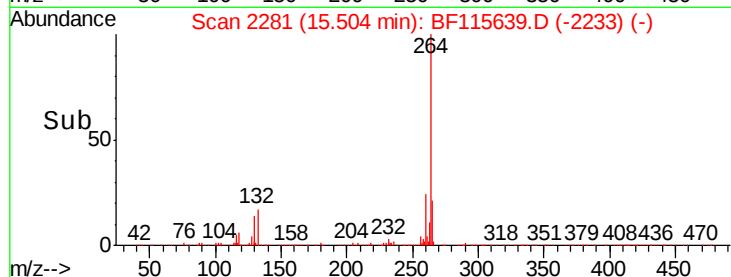
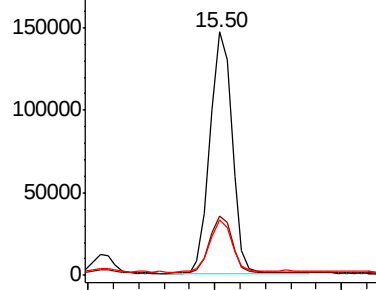
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-B

Tgt Ion: 264 Resp: 177147

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	22.6	17.7	26.5



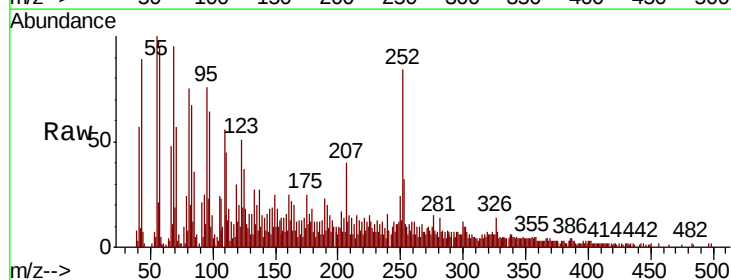
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



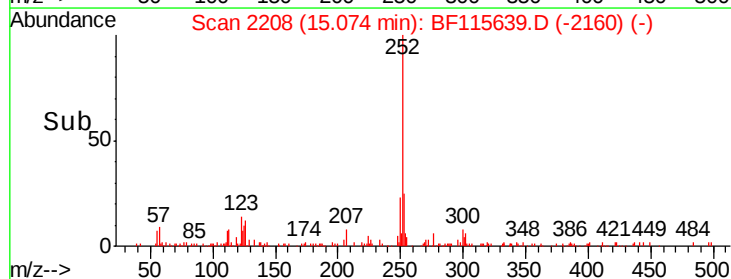
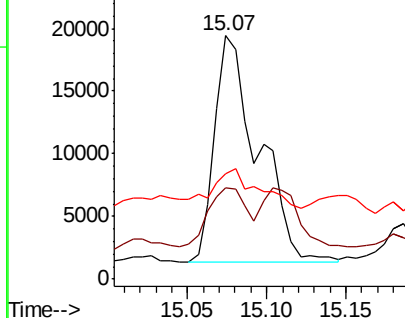
#88
Benzo(b)fluoranthene
Concen: 3.056 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115639.D
Acq: 17 Jul 2019 22:59

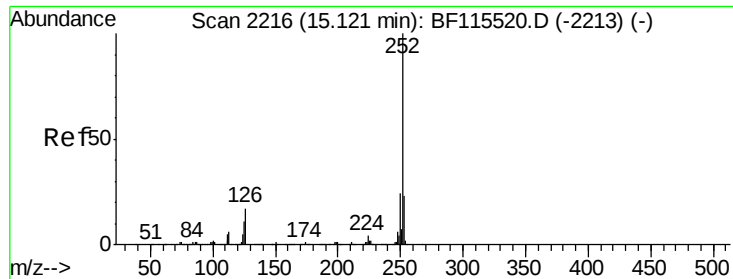
Tgt Ion: 252 Resp: 34859

Ion	Ratio	Lower	Upper
252	100		
253	37.6	18.1	27.1#
125	43.4	9.0	13.4#



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: 3.428 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.05 min

Lab File: BF115639.D

Acq: 17 Jul 2019 22:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-B

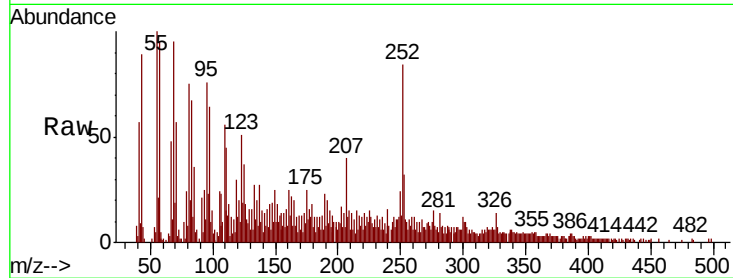
Tgt Ion:252 Resp: 34859

Ion Ratio Lower Upper

252 100

253 37.6 18.6 28.0#

125 43.4 9.0 13.6#



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

