

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115638.D
 Acq On : 17 Jul 2019 22:33
 Operator : HP/JU
 Sample : K3840-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jul 18 04:48:46 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

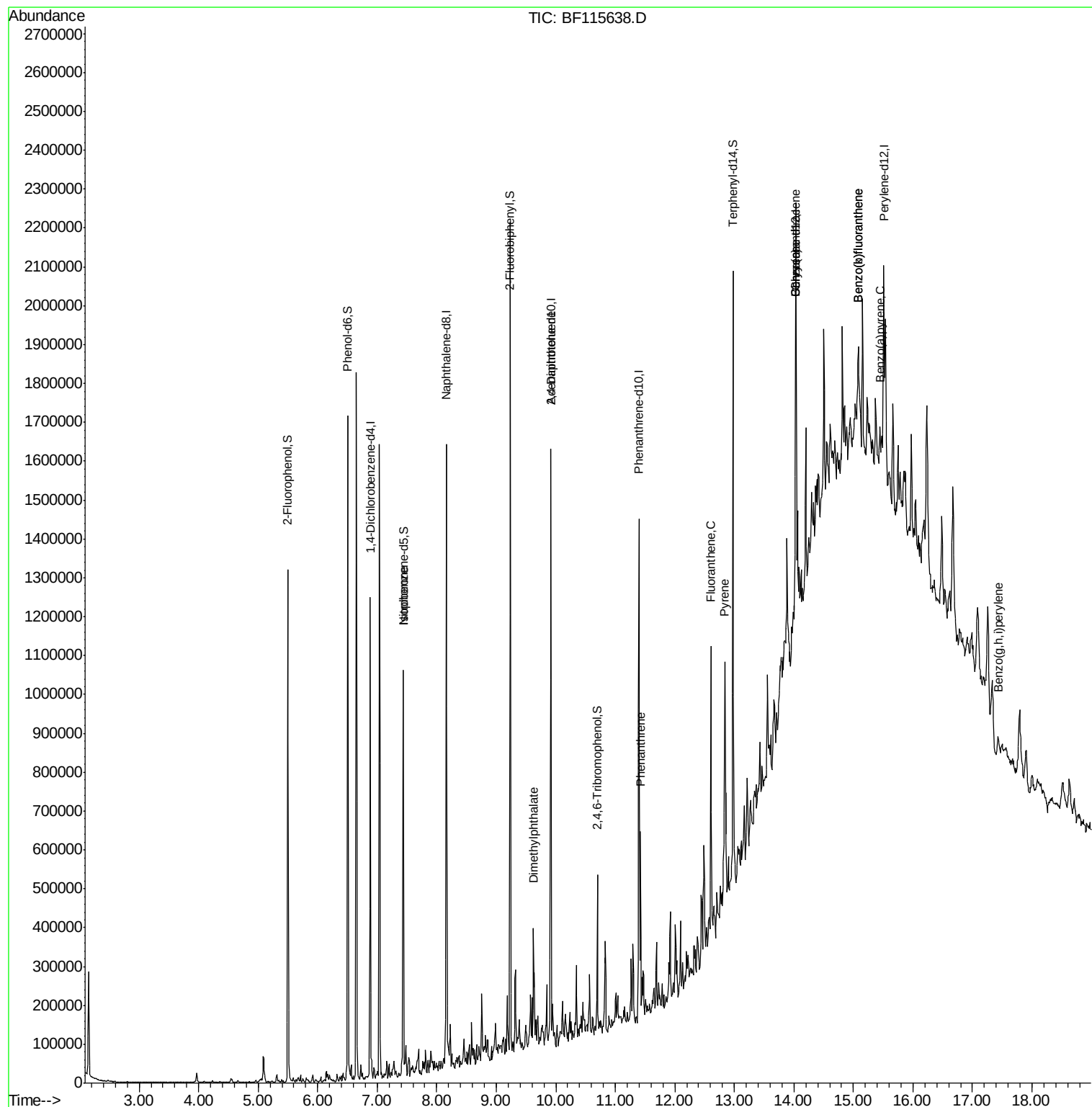
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	173408	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	649167	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	265932	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	441485	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	337254	20.00	ng	-0.02
87) Perylene-d12	15.51	264	266927	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	358229	33.79	ng	0.00
7) Phenol-d6	6.50	99	583990	43.41	ng	-0.01
23) Nitrobenzene-d5	7.44	82	356252	31.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	45806	14.76	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	608084	40.02	ng	-0.02
79) Terphenyl-d14	12.98	244	534659	29.25	ng	-0.02
Target Compounds						
25) Isophorone	7.44	82	349530	15.646	ng	Qvalue # 64
50) Dimethylphthalate	9.62	163	101197	5.058	ng	100
57) 2,4-Dinitrotoluene	9.92	165	35755	6.070	ng	# 24
71) Phenanthrene	11.42	178	162770	7.193	ng	97
75) Fluoranthene	12.61	202	279126	11.672	ng	100
78) Pyrene	12.84	202	263693	9.229	ng	96
81) Benzo(a)anthracene	14.02	228	115923	5.217	ng	97
83) Chrysene	14.02	228	115923	5.197	ng	95
88) Benzo(b)fluoranthene	15.07	252	126035	7.333	ng	# 64
89) Benzo(k)fluoranthene	15.07	252	126035	8.225	ng	# 65
90) Benzo(a)pyrene	15.44	252	64088	4.338	ng	# 70
92) Benzo(g,h,i)perylene	17.43	276	32534	2.515	ng	# 80

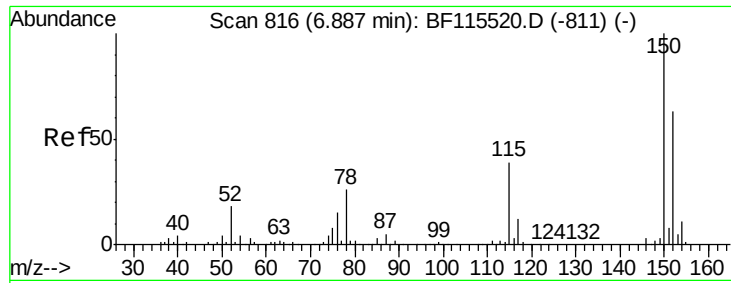
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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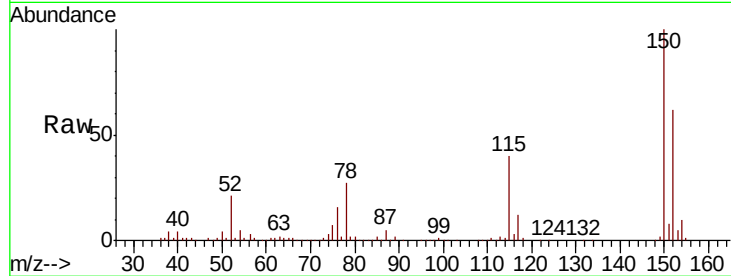


#1

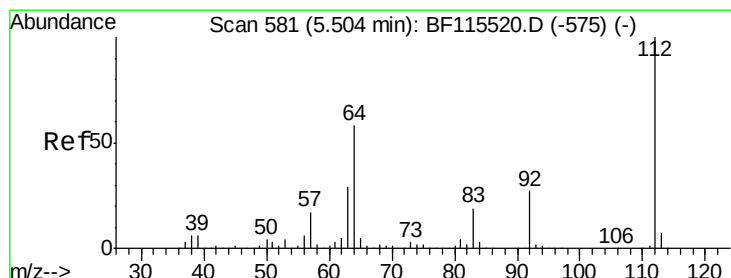
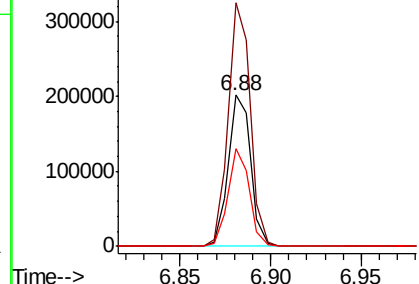
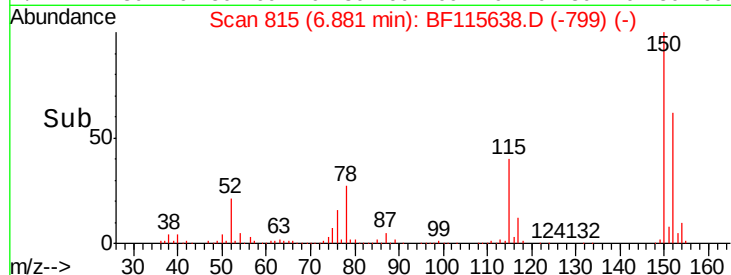
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

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

Tgt Ion:152 Resp: 173408
Ion Ratio Lower Upper
152 100
150 161.0 129.7 194.5
115 64.3 48.2 72.4



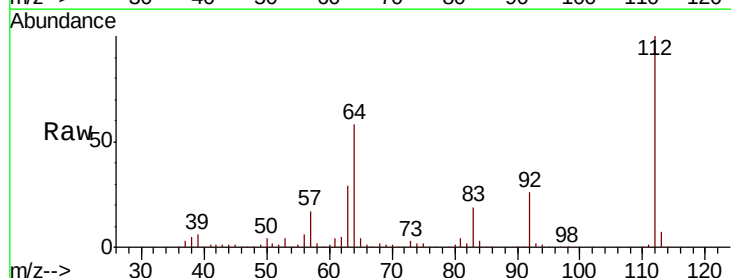
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



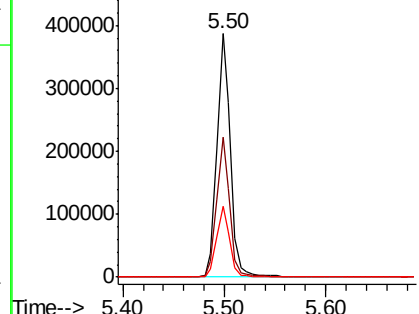
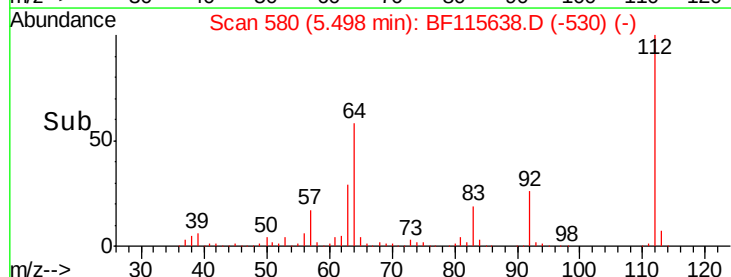
#5

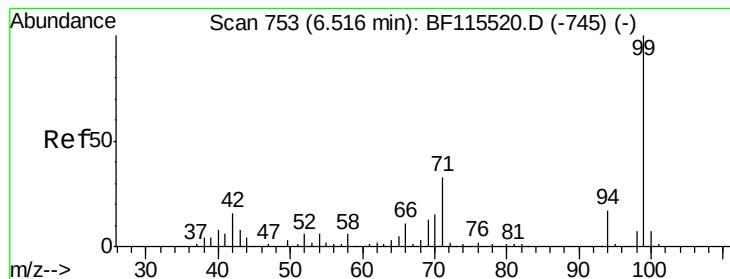
2-Fluorophenol
Concen: 33.791 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion:112 Resp: 358229
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 29.2 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: 43.413 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-A

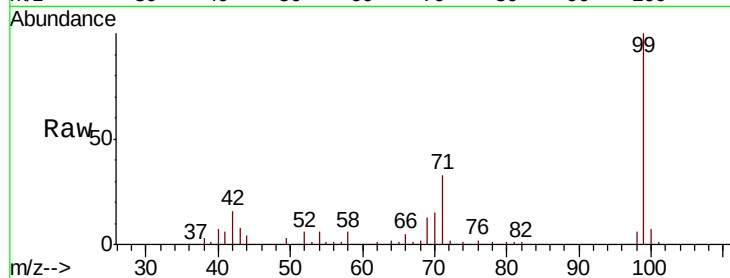
Tgt Ion: 99 Resp: 583990

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

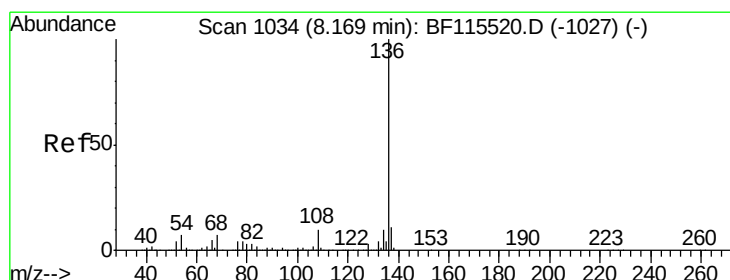
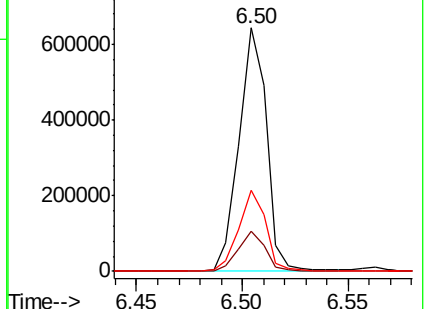
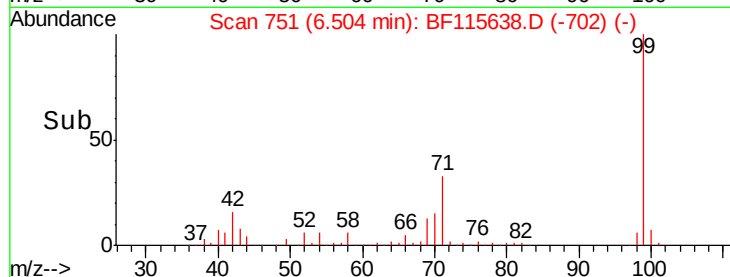
71 33.4 28.5 42.7



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: BF115638.D

Acq: 17 Jul 2019 22:33

Tgt Ion: 136 Resp: 649167

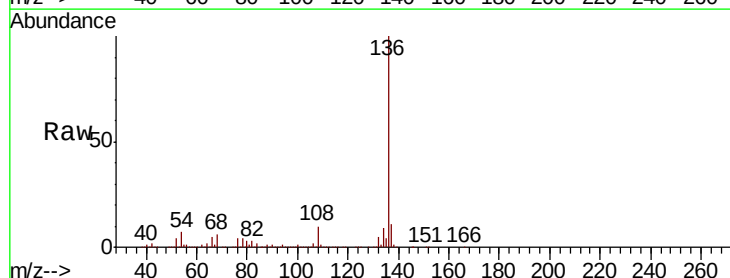
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.2 5.6 8.4

68 6.4 5.0 7.6

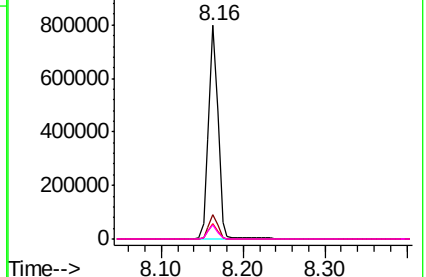
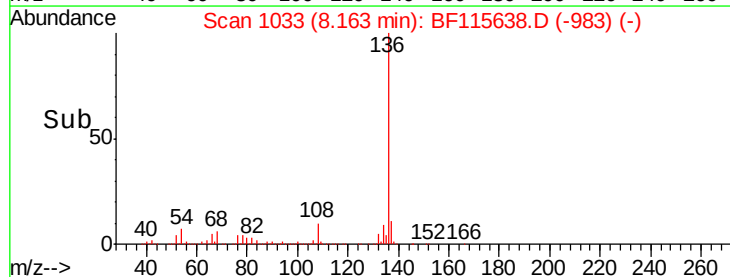


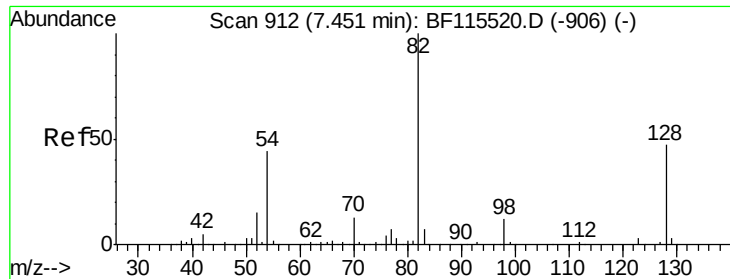
Abundance Ion 136.00 (135.70 to 136.70): E

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

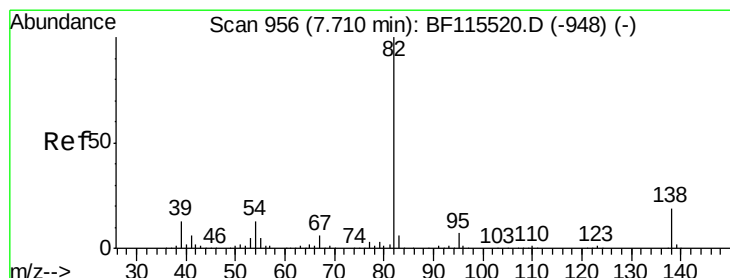
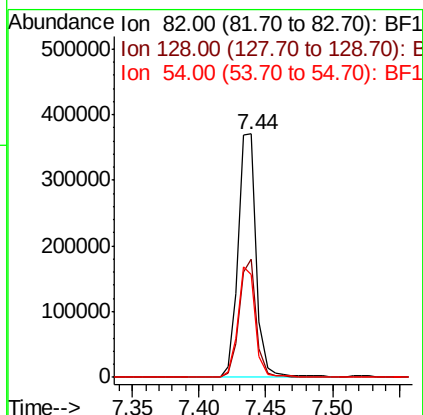
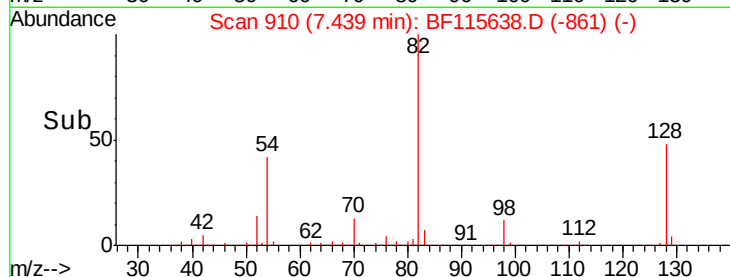
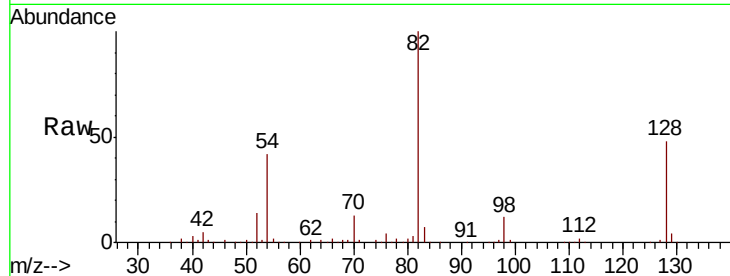




#23
 Nitrobenzene-d5
 Concen: 31.910 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

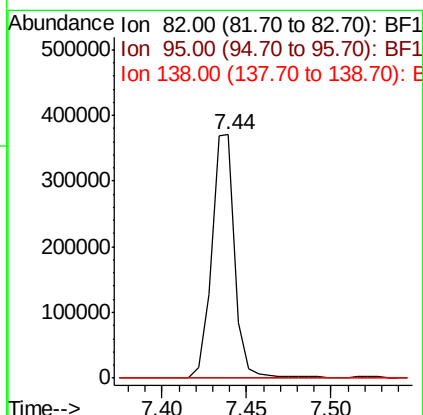
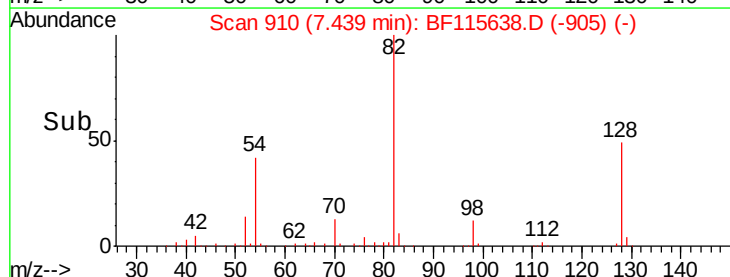
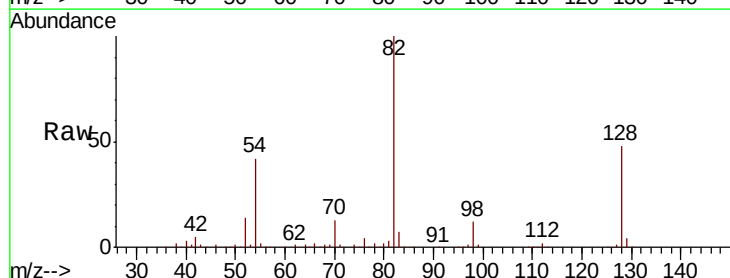
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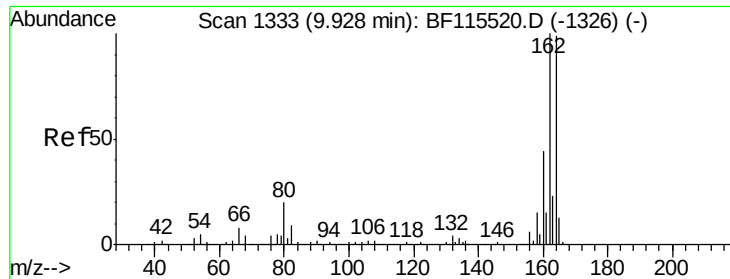
Tgt Ion: 82 Resp: 356252
 Ion Ratio Lower Upper
 82 100
 128 48.4 38.6 57.8
 54 42.4 35.6 53.4



#25
 Isophorone
 Concen: 15.646 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

Tgt Ion: 82 Resp: 349530
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.5 8.3#
 138 0.0 14.9 22.3#

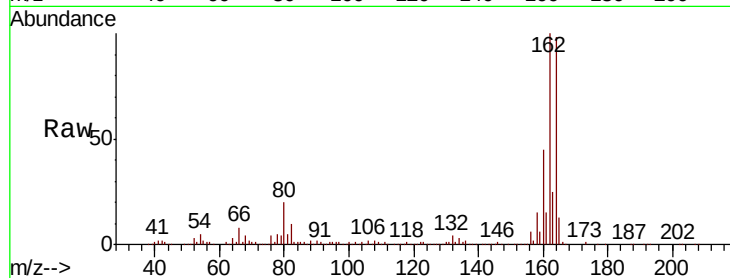




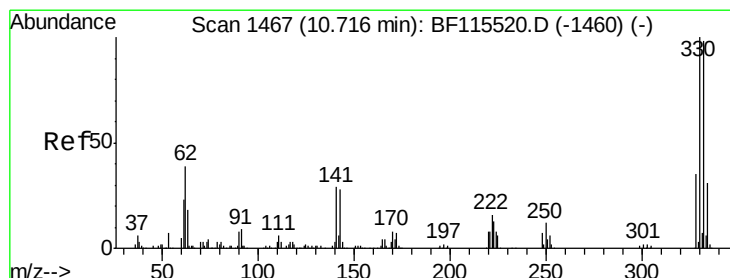
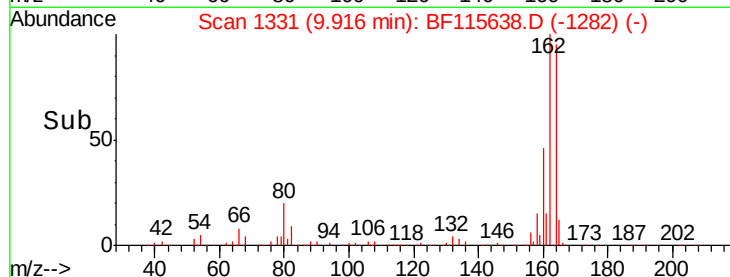
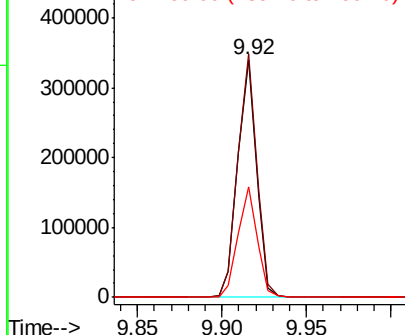
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

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

Tgt Ion:164 Resp: 265932
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.9 124.3
 160 46.5 36.8 55.2

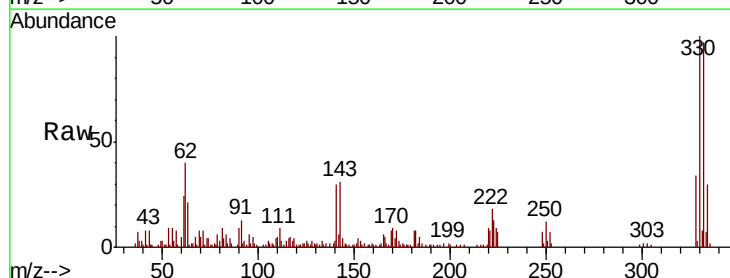


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

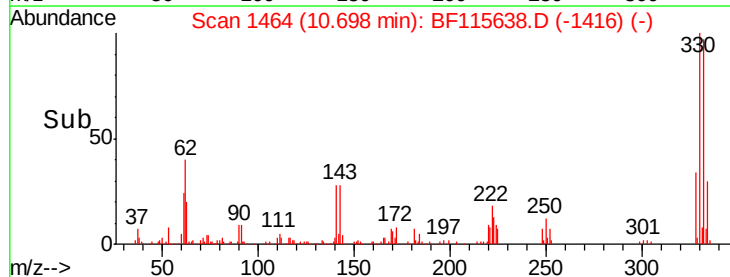
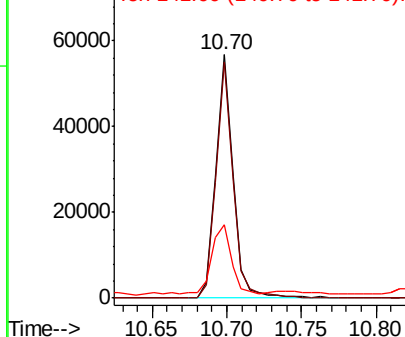


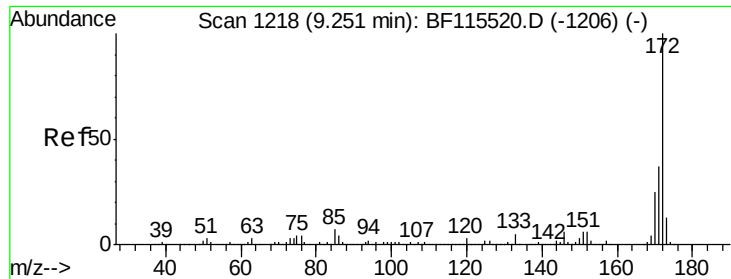
#42
 2,4,6-Tribromophenol
 Concen: 14.757 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

Tgt Ion:330 Resp: 45806
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 33.8 22.4 33.6#



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

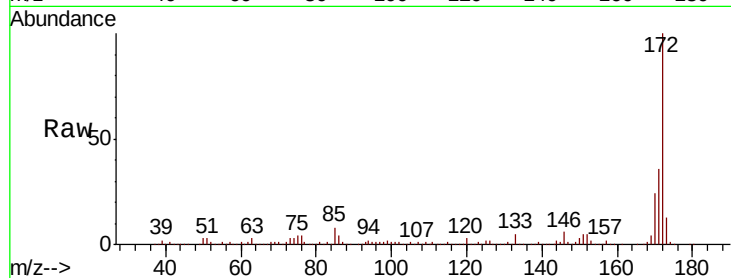




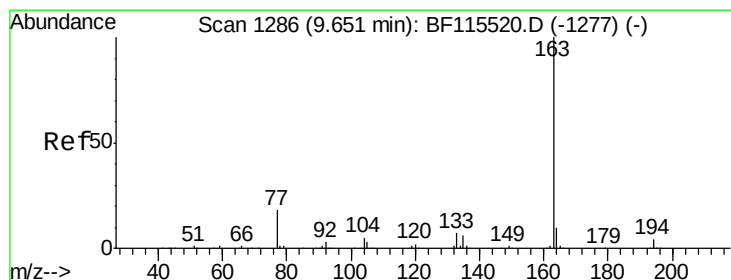
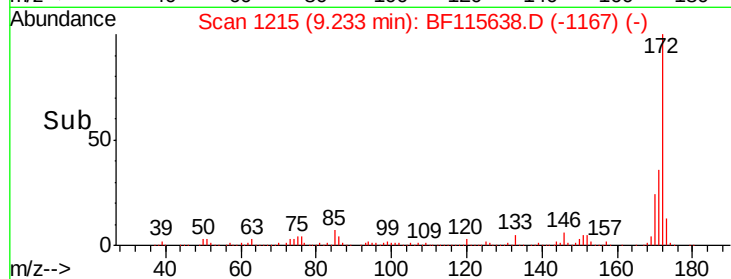
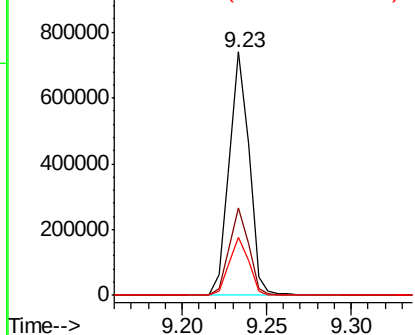
#45
2-Fluorobiphenyl
Concen: 40.022 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

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Tgt Ion:172 Resp: 608084
Ion Ratio Lower Upper
172 100
171 35.9 30.6 46.0
170 23.8 20.5 30.7

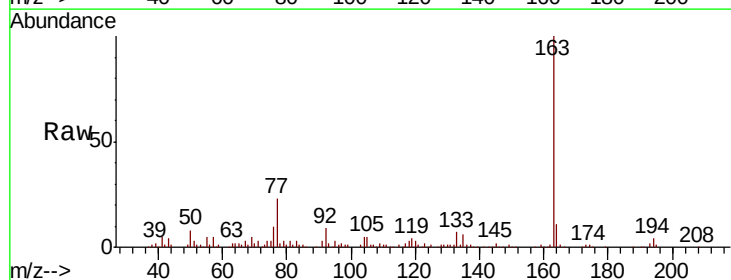


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

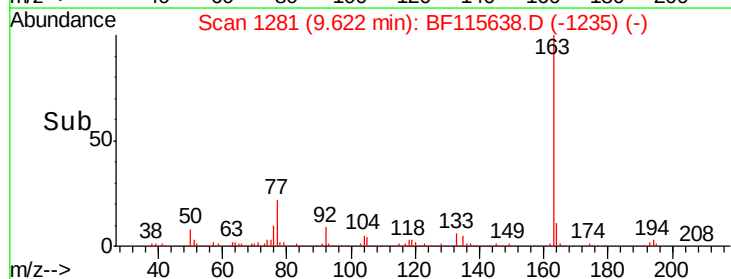
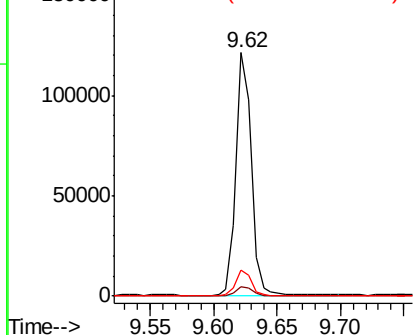


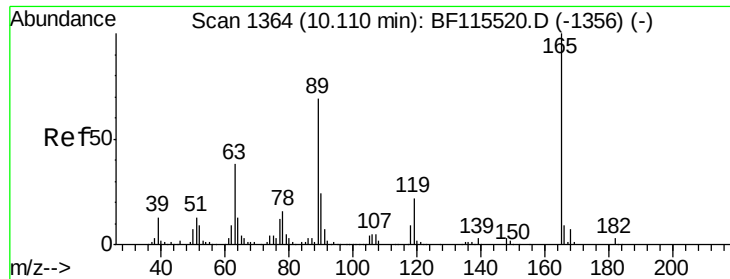
#50
Dimethylphthalate
Concen: 5.058 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion:163 Resp: 101197
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.8 8.7 13.1



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

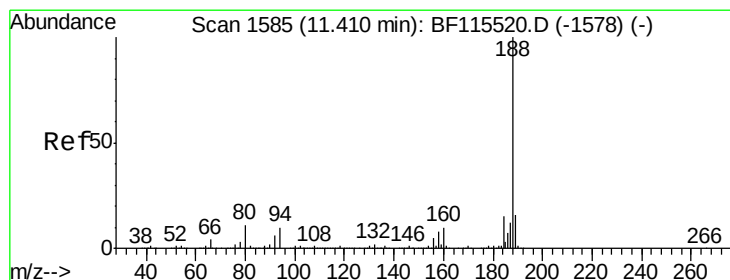
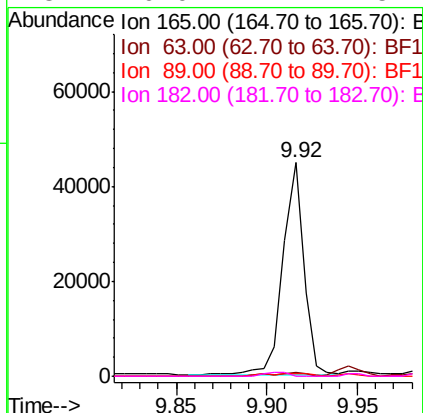
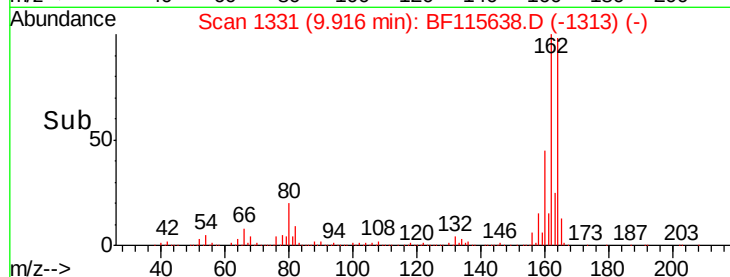
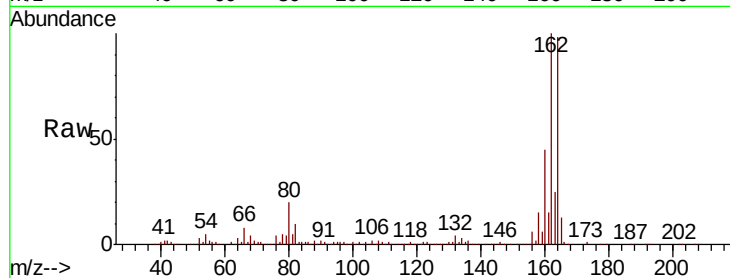




#57
 2,4-Dinitrotoluene
 Concen: 6.070 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

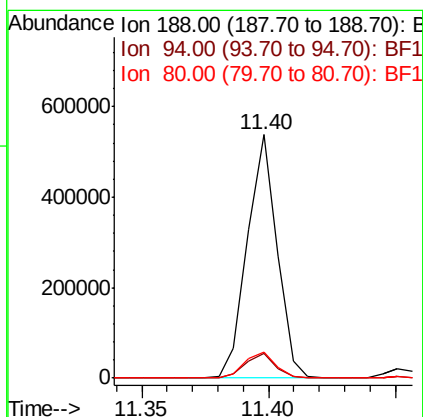
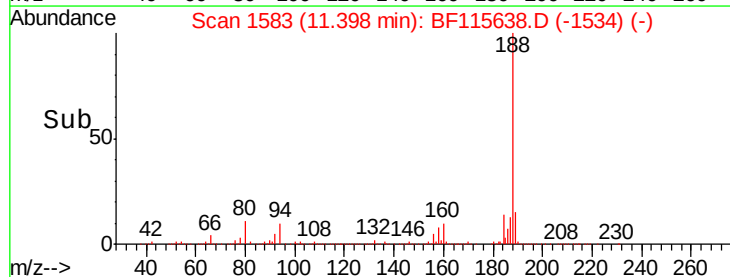
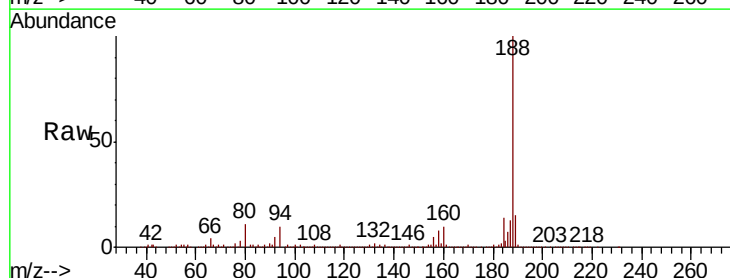
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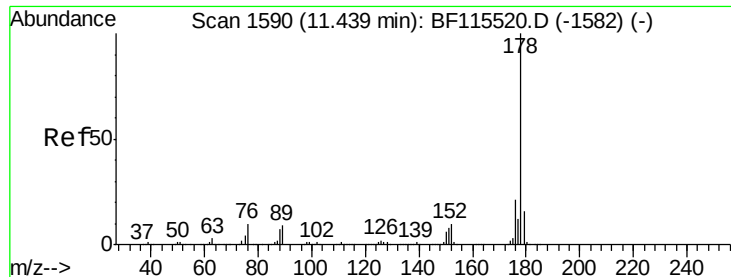
Tgt Ion:165 Resp: 35755
 Ion Ratio Lower Upper
 165 100
 63 1.6 34.9 52.3#
 89 1.2 57.5 86.3#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115638.D
 Acq: 17 Jul 2019 22:33

Tgt Ion:188 Resp: 441485
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.8 11.6
 80 10.7 8.6 13.0





#71

Phenanthrene

Concen: 7.193 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-A

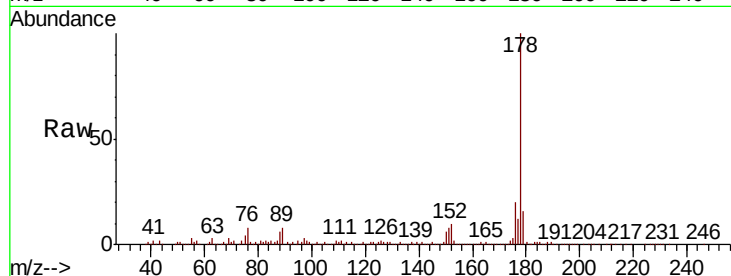
Tgt Ion:178 Resp: 162770

Ion Ratio Lower Upper

178 100

176 19.7 17.2 25.8

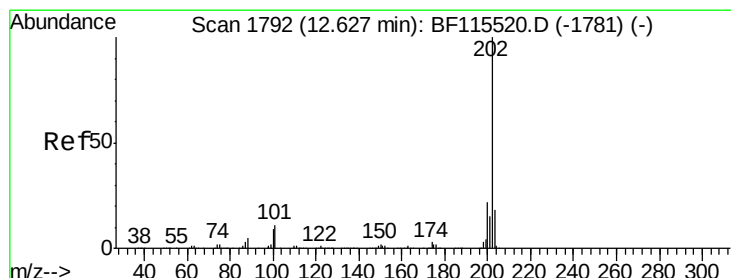
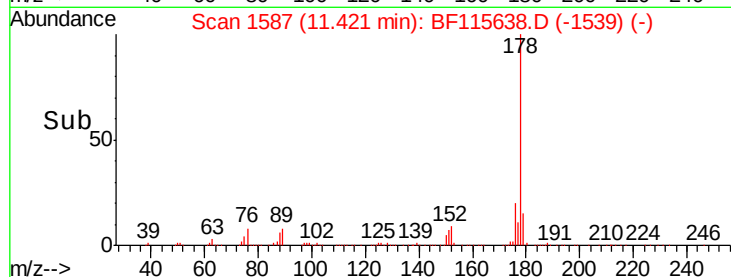
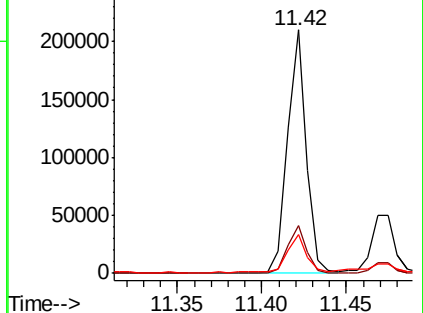
179 16.0 13.5 20.3



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: 11.672 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

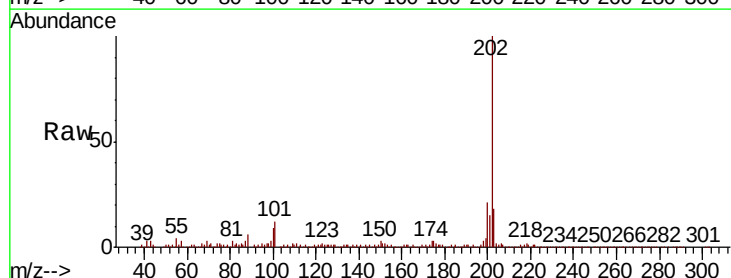
Tgt Ion:202 Resp: 279126

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

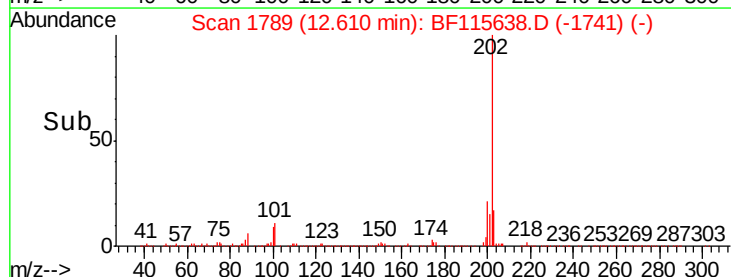
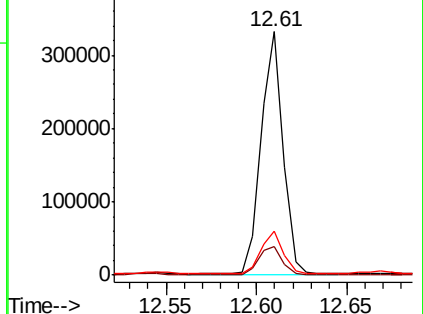
203 17.9 0.0 38.1

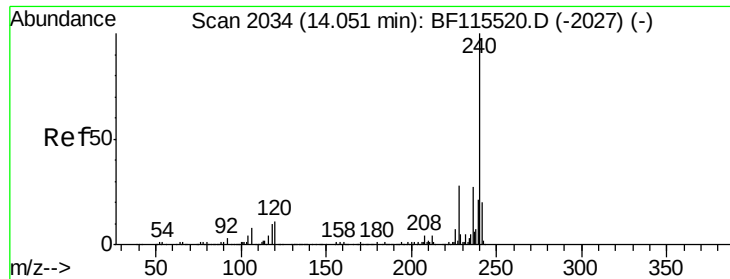


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

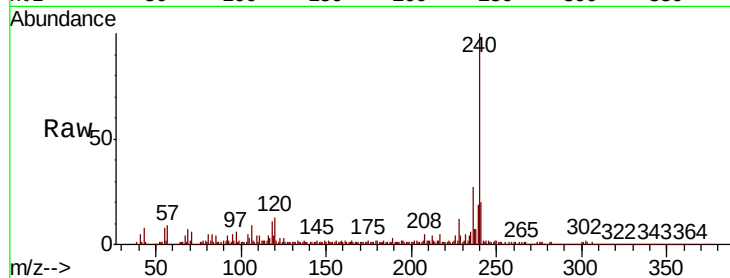




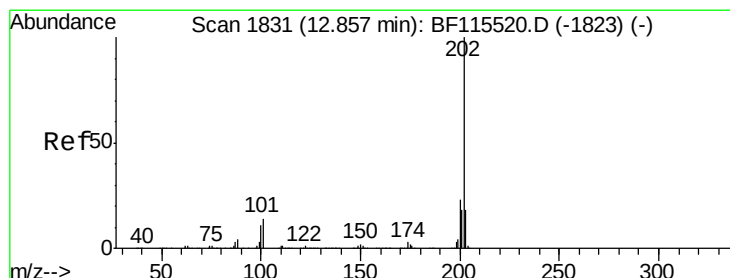
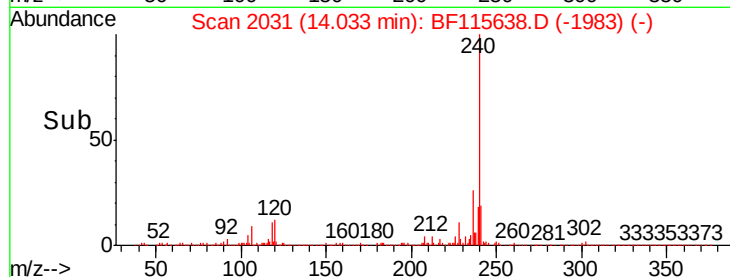
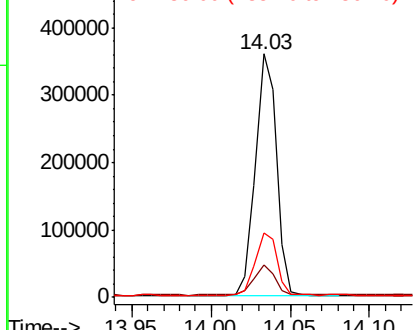
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

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

Tgt Ion:240 Resp: 337254
Ion Ratio Lower Upper
240 100
120 13.1 8.6 13.0#
236 26.7 21.3 31.9

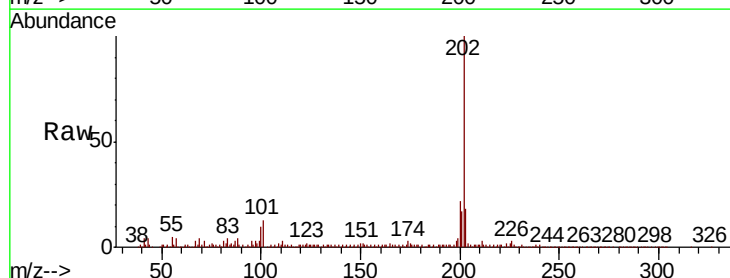


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

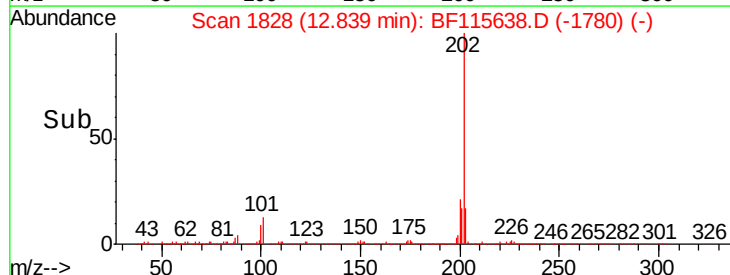
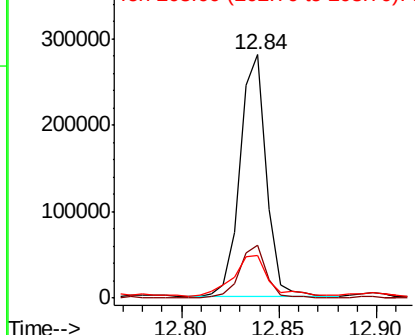


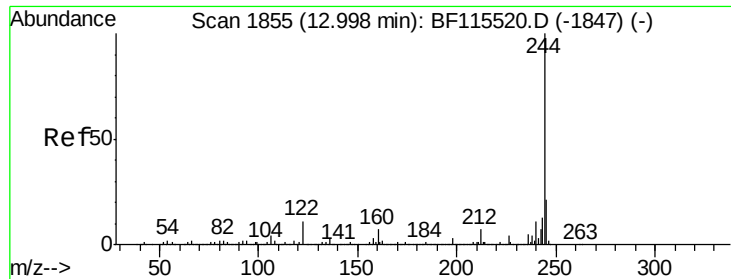
#78
Pyrene
Concen: 9.229 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion:202 Resp: 263693
Ion Ratio Lower Upper
202 100
200 21.5 18.7 28.1
203 17.5 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.252 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-A

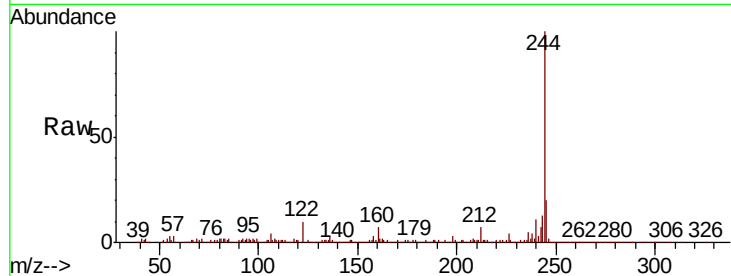
Tgt Ion:244 Resp: 534659

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

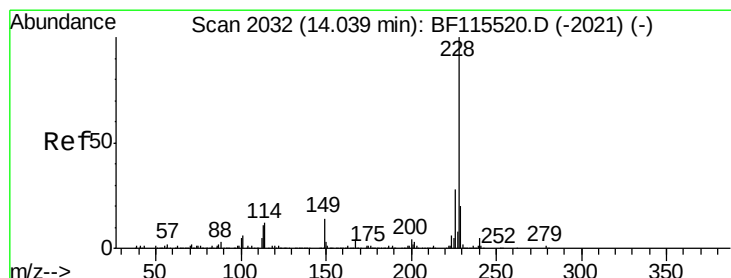
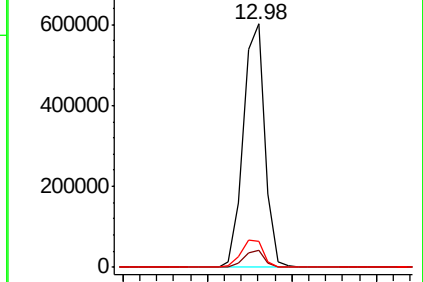
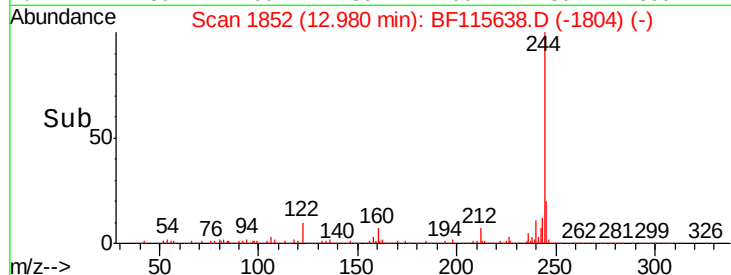
122 10.5 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.217 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

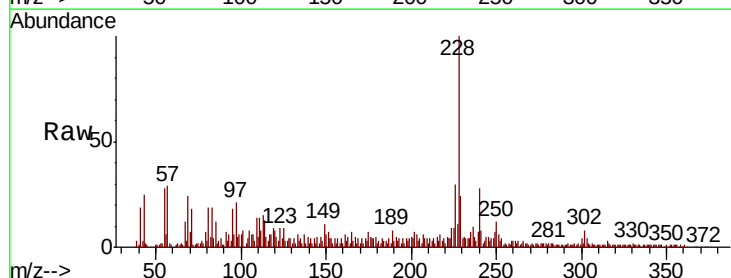
Tgt Ion:228 Resp: 115923

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

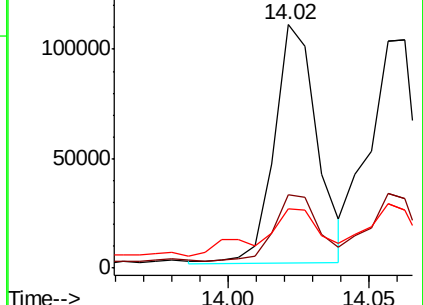
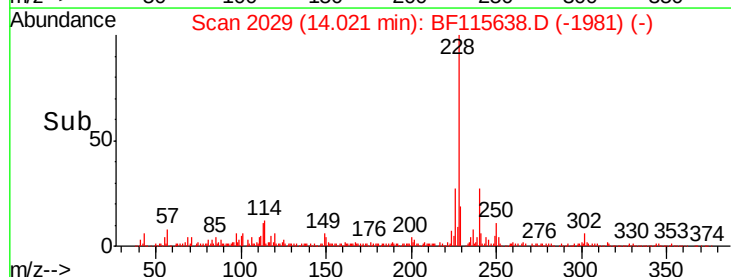
229 24.2 17.2 25.8

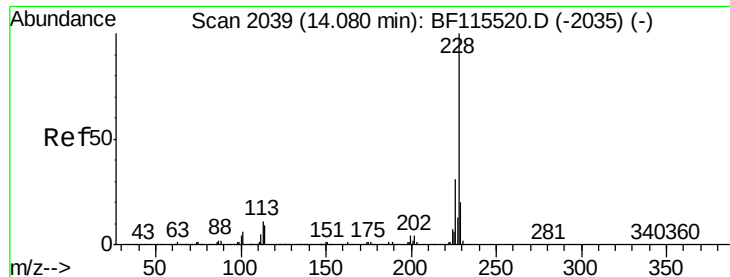


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.197 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.06 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-A

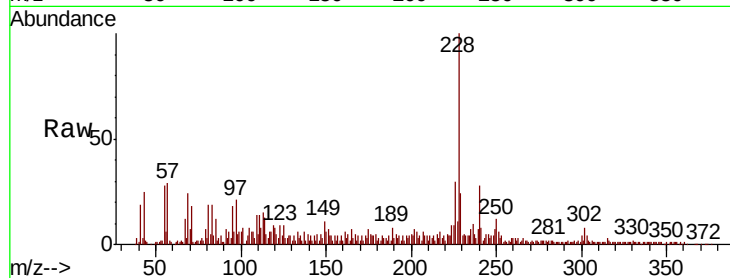
Tgt Ion:228 Resp: 115923

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

229 24.2 16.6 25.0

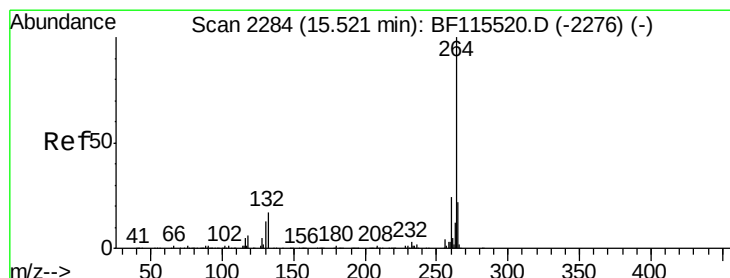
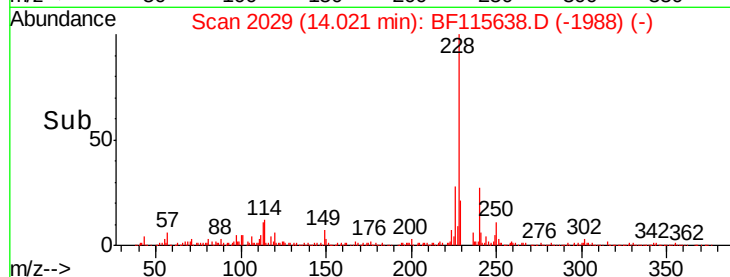
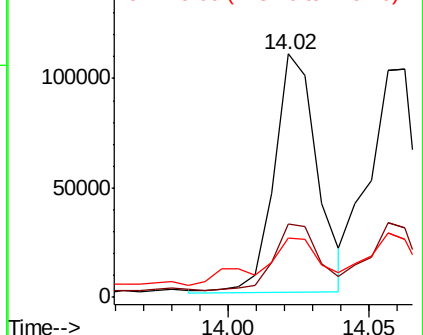


Abundance

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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

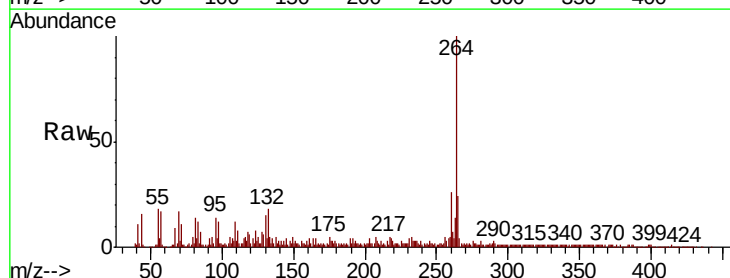
Tgt Ion:264 Resp: 266927

Ion Ratio Lower Upper

264 100

260 25.8 19.8 29.8

265 23.6 17.7 26.5

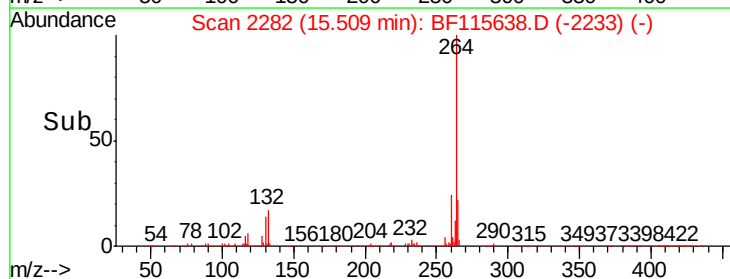
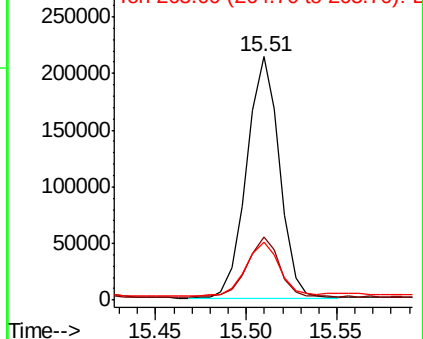


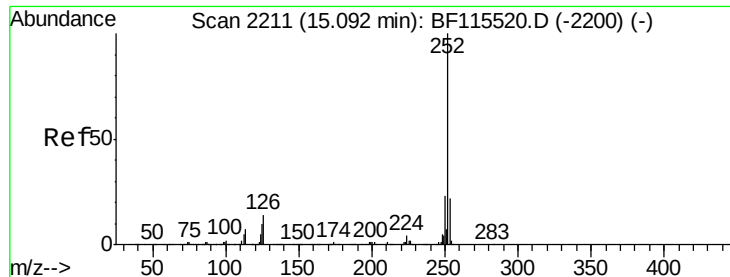
Abundance

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

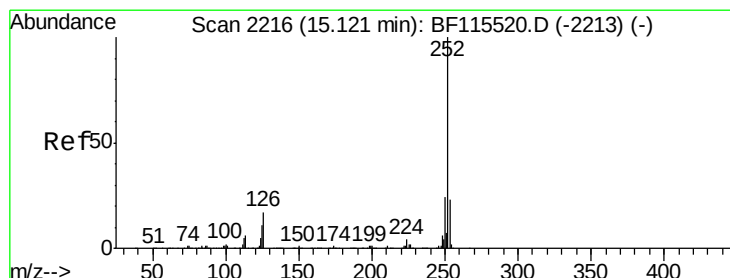
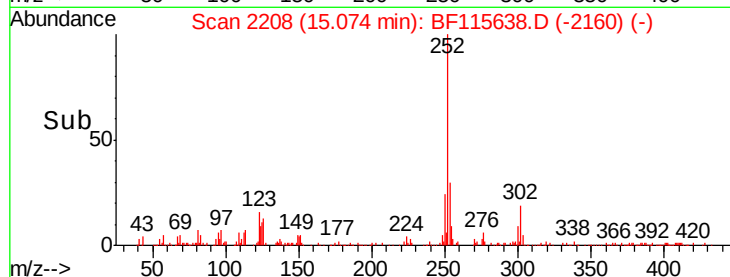
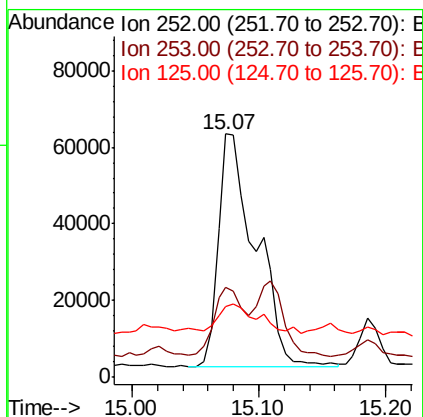
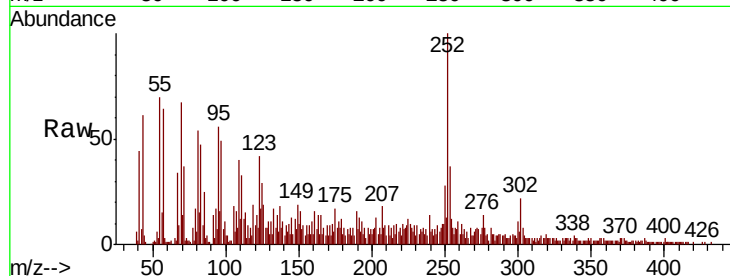




#88
Benzo(b)fluoranthene
Concen: 7.333 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

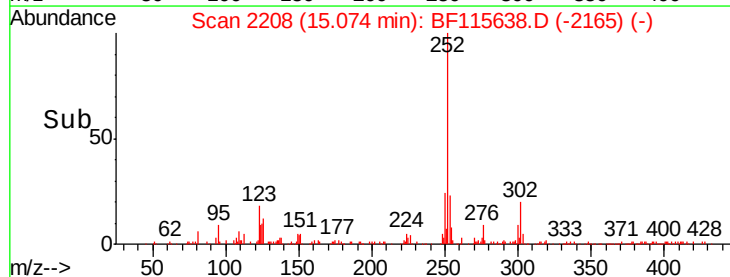
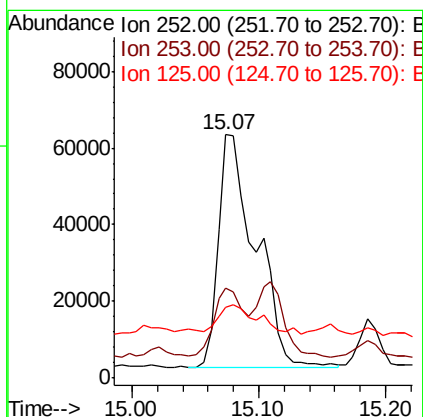
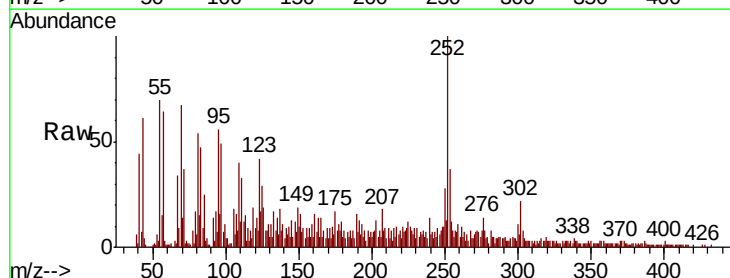
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-005-A

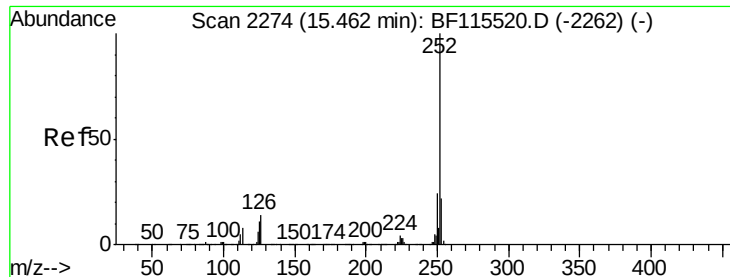
Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.2	18.1	27.1#
125	29.3	9.0	13.4#



#89
Benzo(k)fluoranthene
Concen: 8.225 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115638.D
Acq: 17 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.2	18.6	28.0#
125	29.3	9.0	13.6#





#90

Benzo(a)pyrene

Concen: 4.338 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-005-A

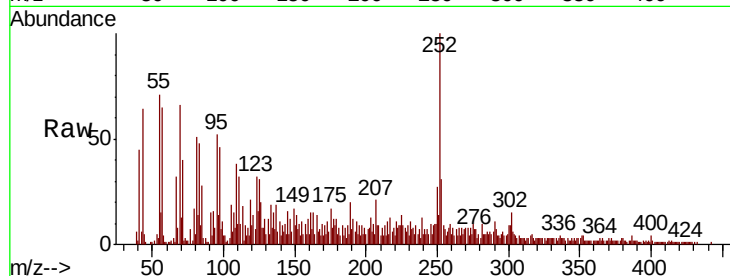
Tgt Ion: 252 Resp: 64088

Ion Ratio Lower Upper

252 100

253 31.3 17.8 26.6#

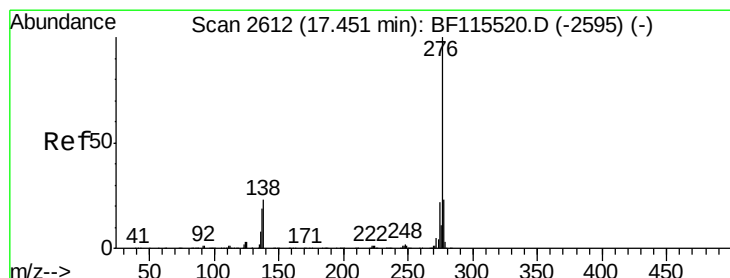
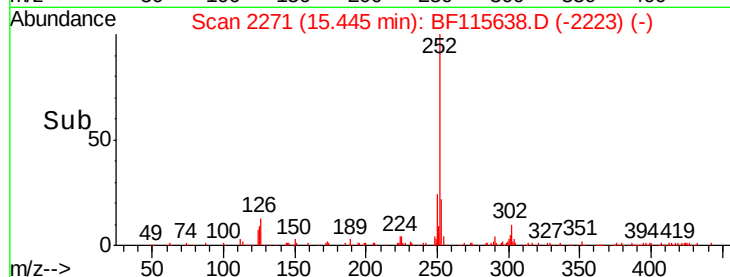
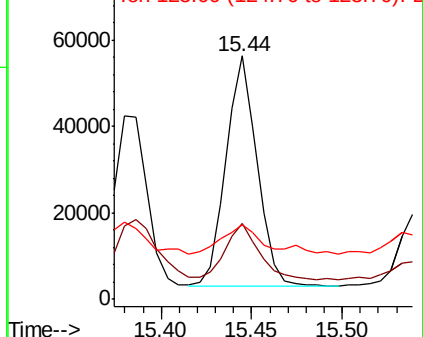
125 30.8 9.1 13.7#



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



#92

Benzo(g,h,i)perylene

Concen: 2.515 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.02 min

Lab File: BF115638.D

Acq: 17 Jul 2019 22:33

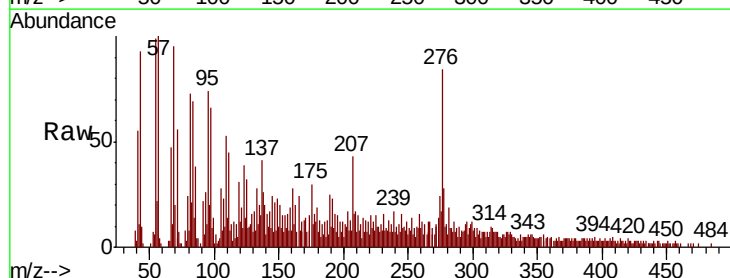
Tgt Ion: 276 Resp: 32534

Ion Ratio Lower Upper

276 100

277 32.9 19.0 28.4#

138 31.4 17.2 25.8#



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

