

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113315.D
 Acq On : 27 Mar 2019 2:46
 Operator : JU/SJ
 Sample : K2078-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Quant Time: Mar 27 05:04:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	160582	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	590904	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	250345	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	410892	20.00	ng	0.00
76) Chrysene-d12	13.83	240	405724	20.00	ng	-0.01
87) Perylene-d12	15.24	264	402565	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	83044	8.46	ng	0.00
7) Phenol-d6	6.34	99	421676	33.94	ng	-0.02
23) Nitrobenzene-d5	7.26	82	330339	33.18	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	12969	4.19	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	620959	26.80	ng	0.00
79) Terphenyl-d14	12.79	244	523147	28.42	ng	-0.01

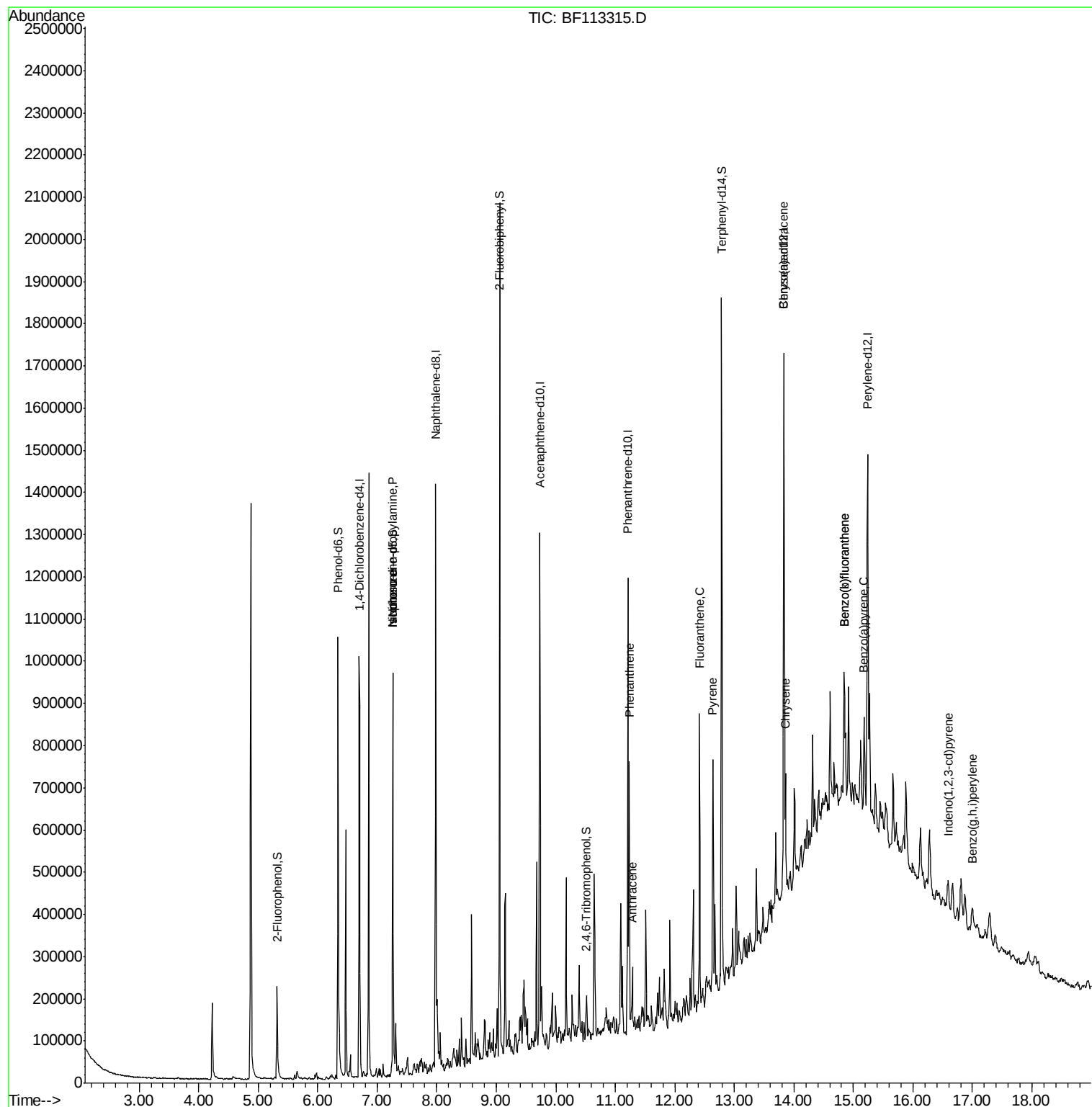
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	43495	5.574	ng	# 77
20) 3+4-Methylphenols	7.16	107	658	Below Cal		# 56
25) Isophorone	7.26	82	326769	16.937	ng	# 64
71) Phenanthrene	11.23	178	241683	11.844	ng	98
72) Anthracene	11.29	178	60579	2.923	ng	98
75) Fluoranthene	12.42	202	280938	12.179	ng	99
78) Pyrene	12.64	202	252924	8.996	ng	98
81) Benzo(a)anthracene	13.83	228	131315	5.654	ng	98
83) Chrysene	13.86	228	126518	5.363	ng	97
86) Indeno(1,2,3-cd)pyrene	16.59	276	55176	2.725	ng	98
88) Benzo(b)fluoranthene	14.84	252	193900	7.754	ng	# 95
89) Benzo(k)fluoranthene	14.84	252	193900	8.829	ng	# 94
90) Benzo(a)pyrene	15.18	252	103582	4.672	ng	# 93
92) Benzo(g,h,i)perylene	17.00	276	52001	2.690	ng	# 94

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

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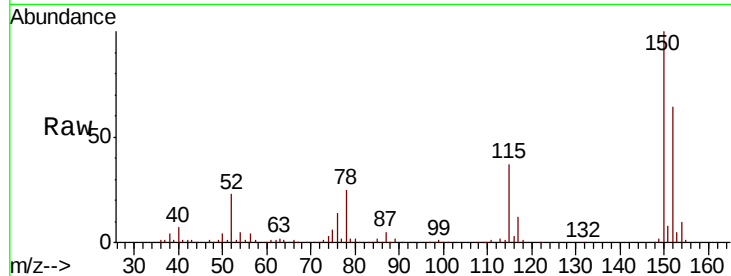


#1

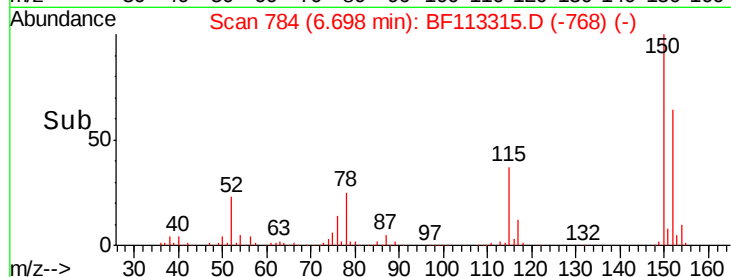
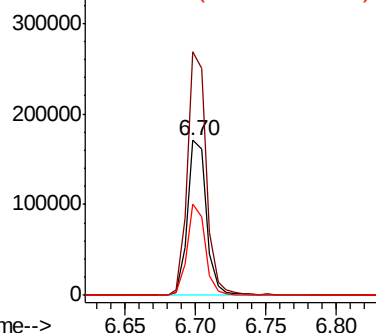
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion:152 Resp: 160582
Ion Ratio Lower Upper
152 100
150 157.4 124.7 187.1
115 58.7 46.0 69.0



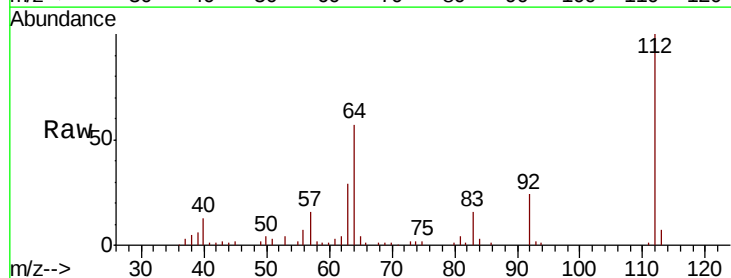
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



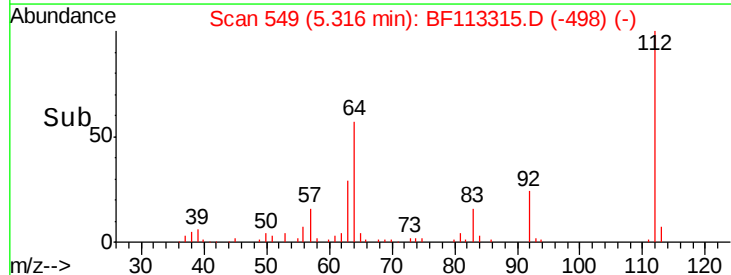
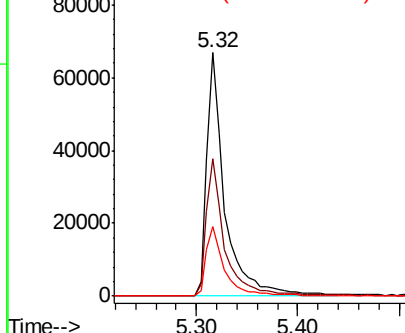
#5

2-Fluorophenol
Concen: 8.456 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion:112 Resp: 83044
Ion Ratio Lower Upper
112 100
64 56.6 49.2 73.8
63 28.7 24.9 37.3



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: 33.941 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

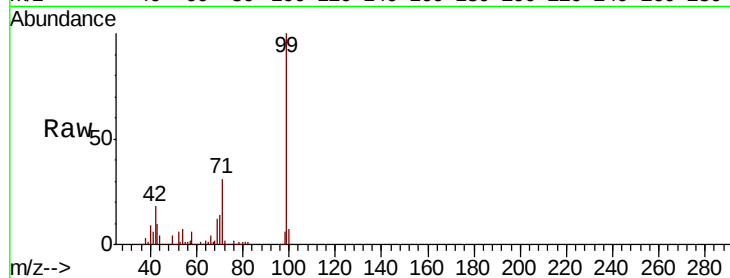
Tgt Ion: 99 Resp: 421676

Ion Ratio Lower Upper

99 100

42 18.5 14.8 22.2

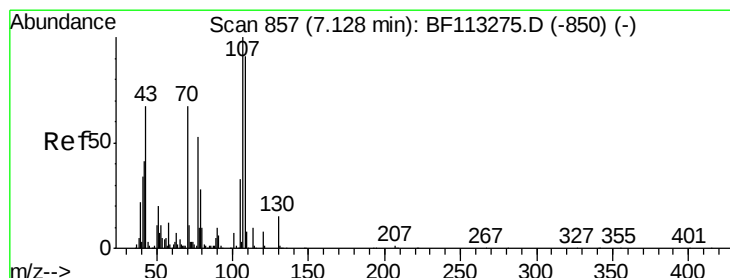
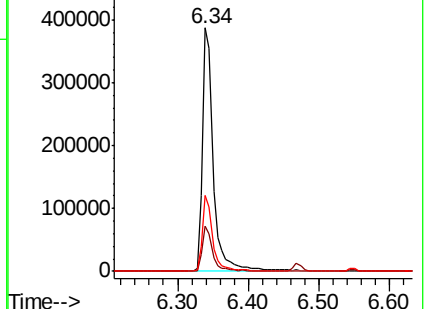
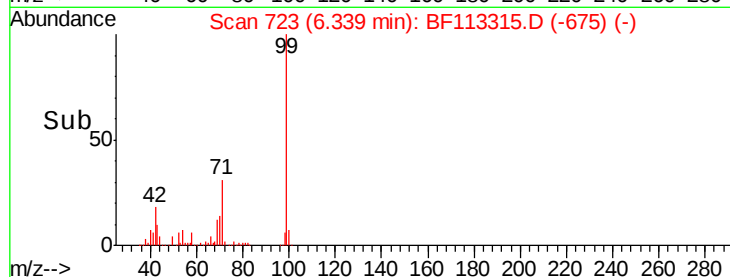
71 31.0 24.9 37.3



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: 5.574 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Tgt Ion: 70 Resp: 43495

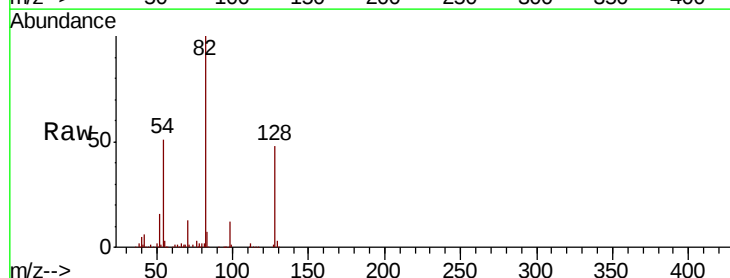
Ion Ratio Lower Upper

70 100

42 48.6 48.4 72.6

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

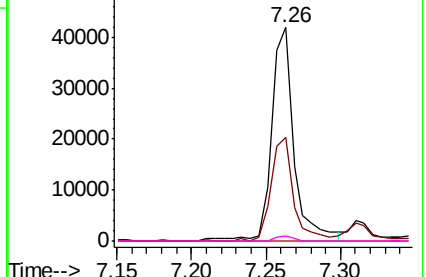
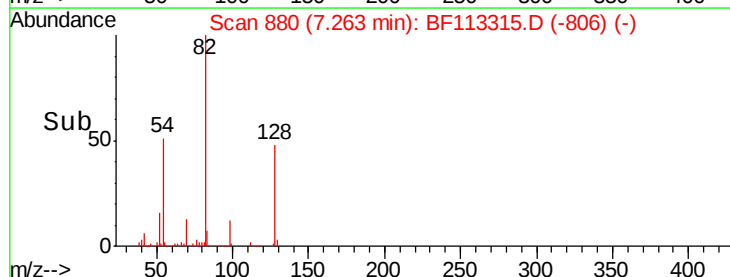


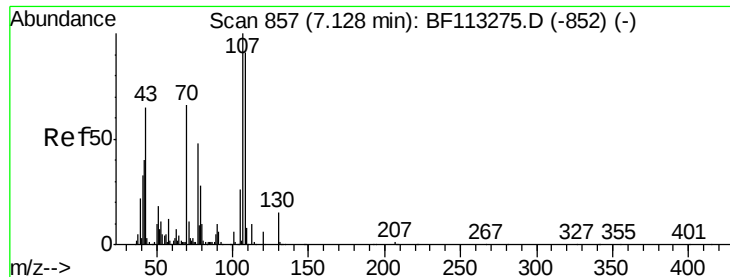
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. 0.03 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

Tgt Ion:107 Resp: 658

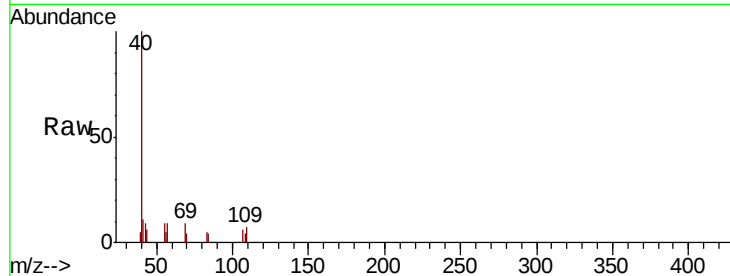
Ion Ratio Lower Upper

107 100

108 69.0 71.4 111.4#

77 0.0 33.5 73.5#

79 0.0 8.3 48.3#

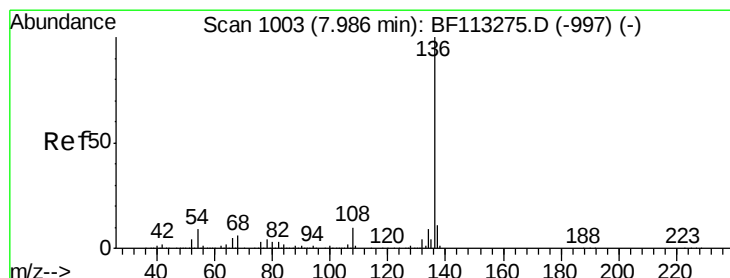
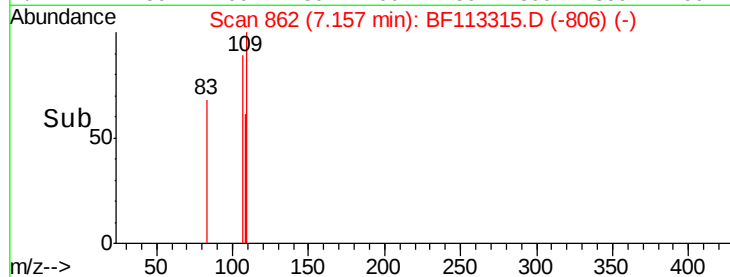
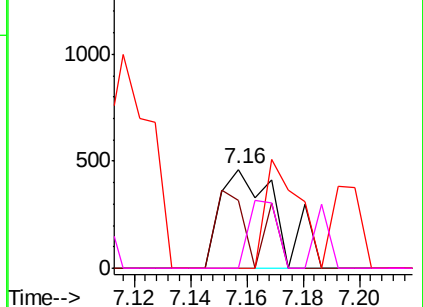


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Tgt Ion:136 Resp: 590904

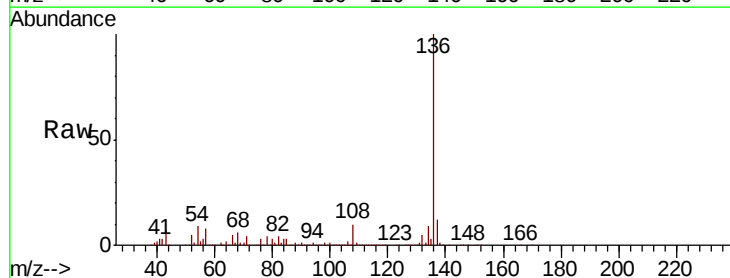
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 8.8 7.0 10.6

68 6.4 4.8 7.2

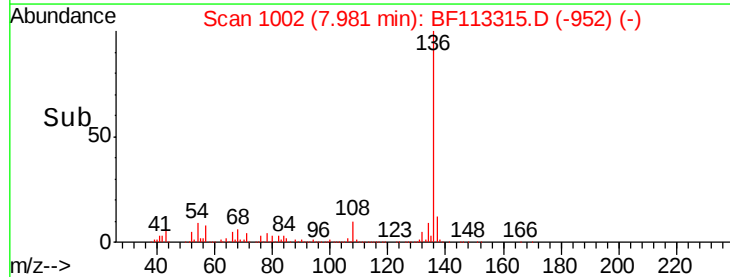
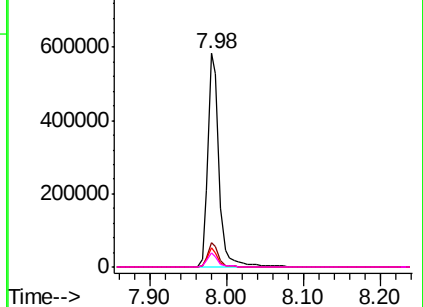


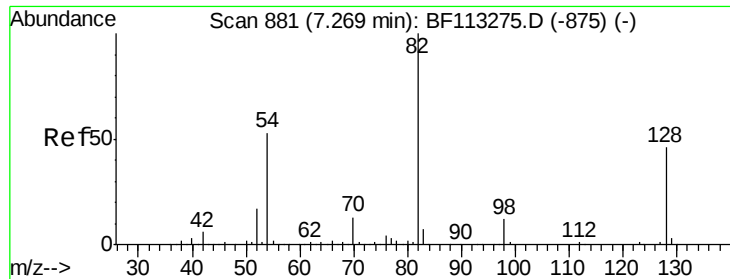
Abundance Ion 136.00 (135.70 to 136.70): E

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

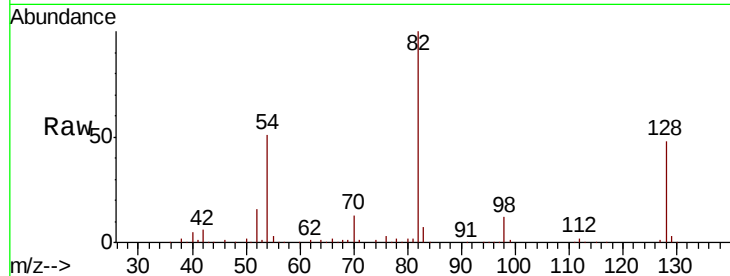




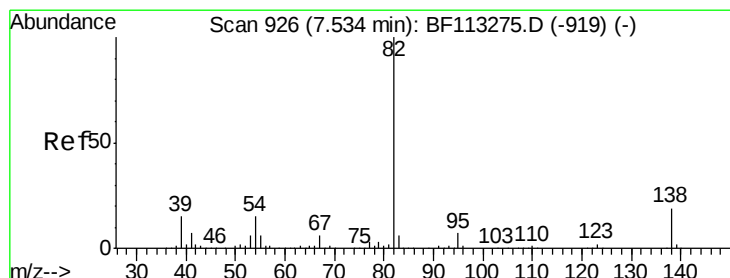
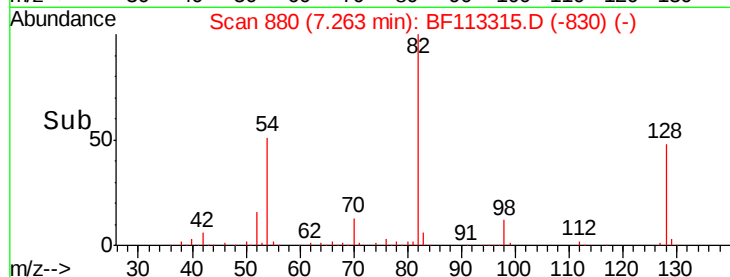
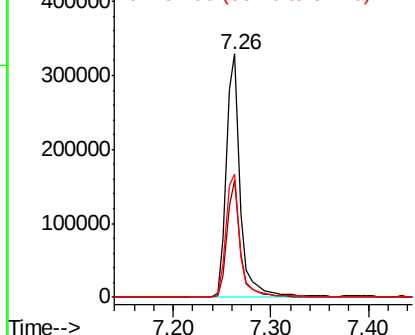
#23
 Nitrobenzene-d5
 Concen: 33.181 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Instrument :
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 FK-SF-01-005-ARE

Tgt Ion: 82 Resp: 330339
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.5 54.7
 54 50.5 42.2 63.2

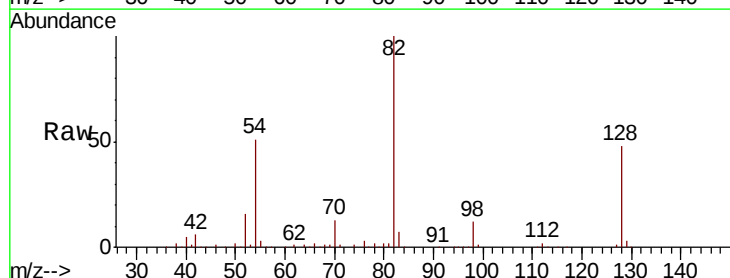


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

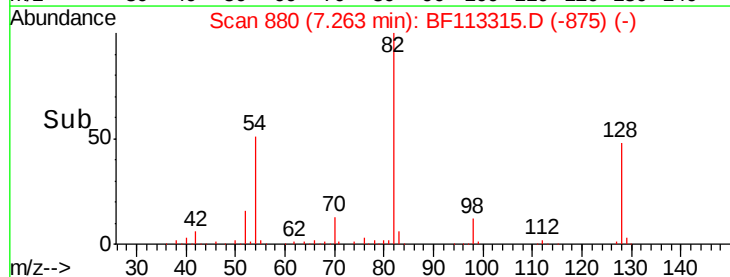
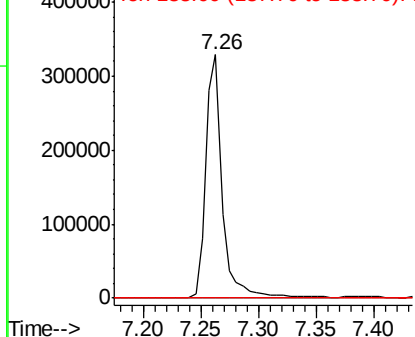


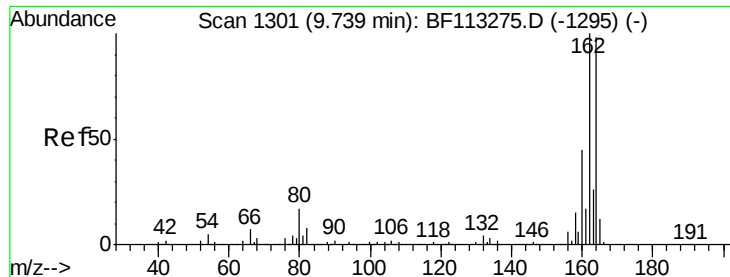
#25
 Isophorone
 Concen: 16.937 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.27 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Tgt Ion: 82 Resp: 326769
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.5 8.3#
 138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

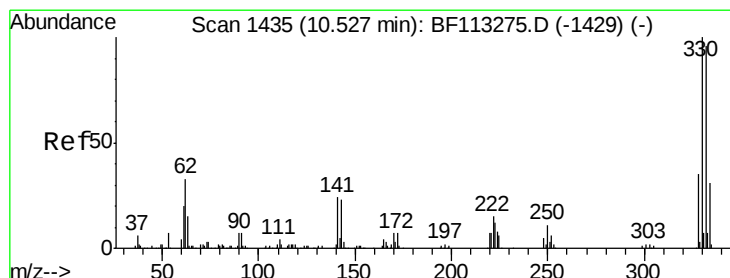
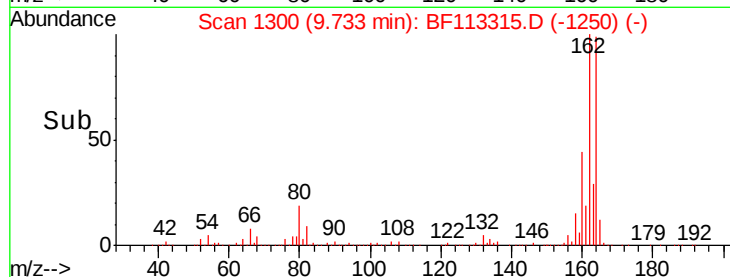
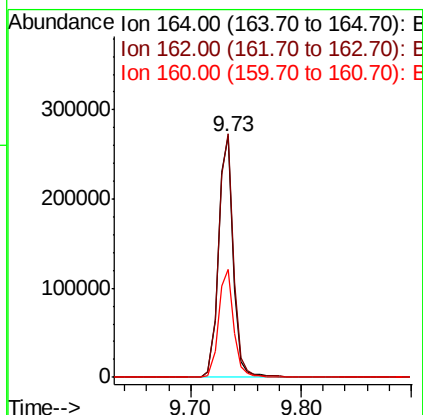
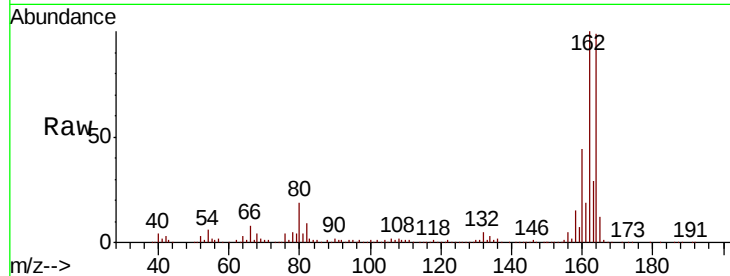




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

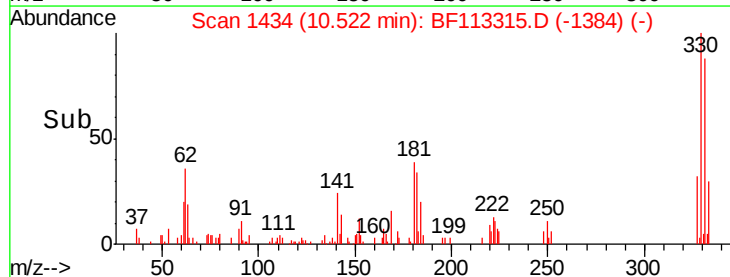
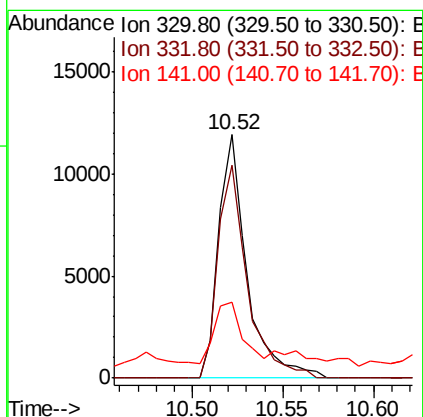
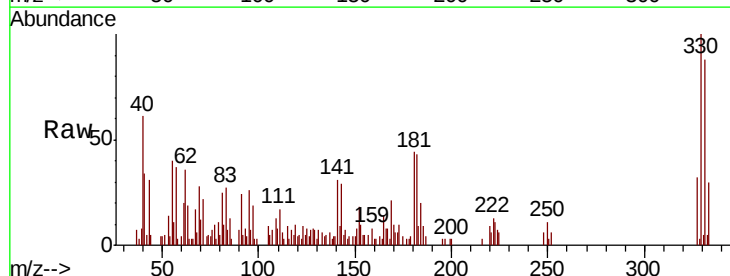
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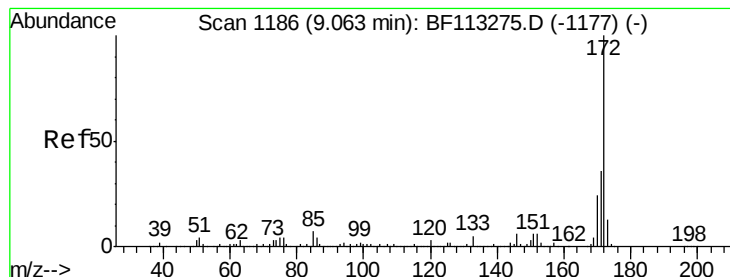
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.8	122.6
160	44.8	36.4	54.6



#42
 2,4,6-Tribromophenol
 Concen: 4.194 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.7	77.8	116.6
141	23.4	22.7	34.1





#45

2-Fluorobiphenyl

Concen: 26.801 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

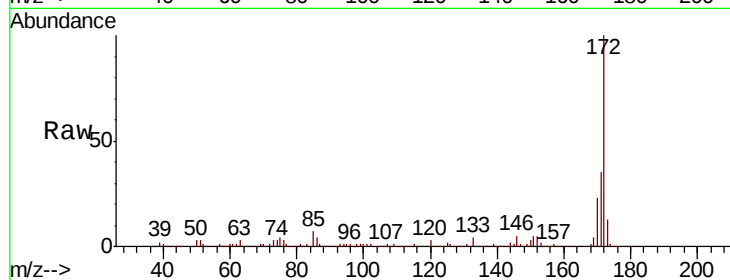
Tgt Ion:172 Resp: 620959

Ion Ratio Lower Upper

172 100

171 34.5 29.0 43.6

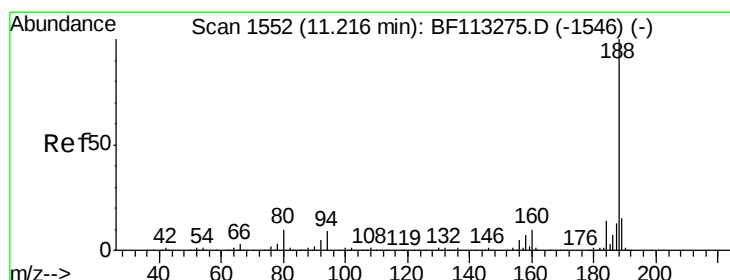
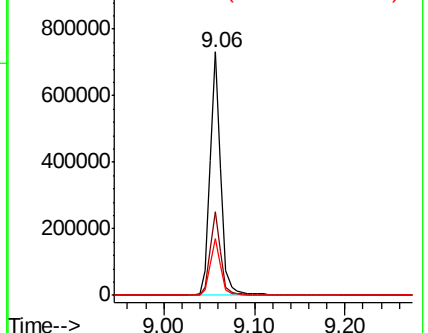
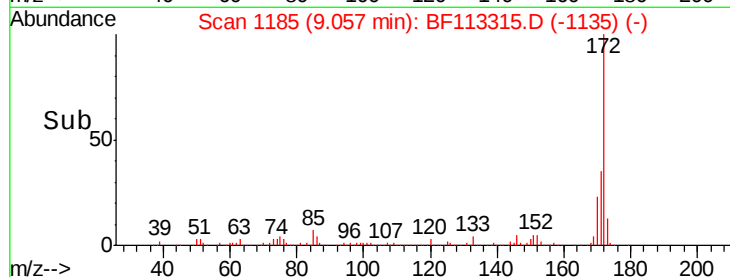
170 23.1 19.5 29.3



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

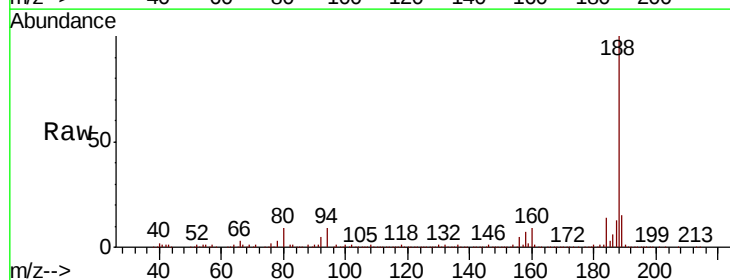
Tgt Ion:188 Resp: 410892

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

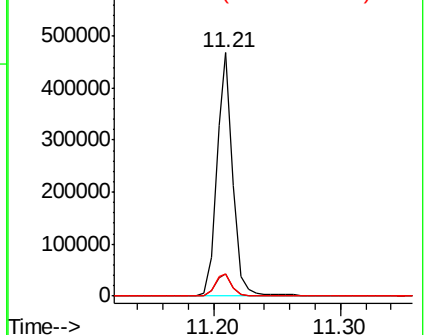
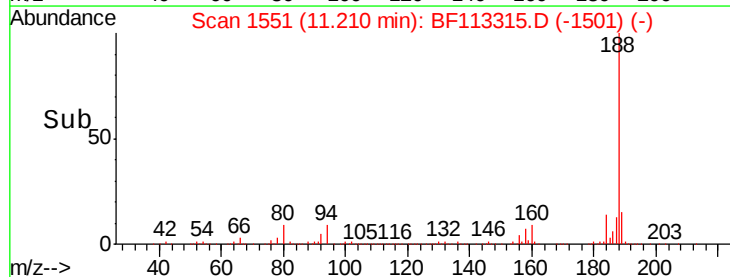
80 9.1 7.7 11.5

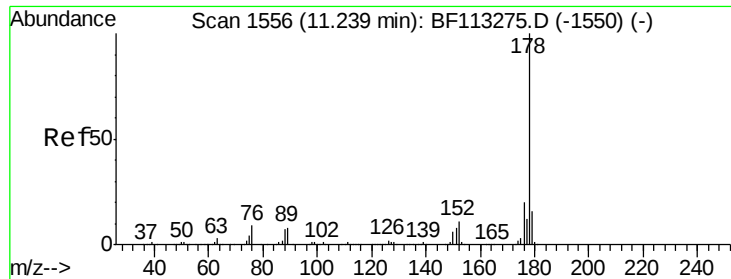


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

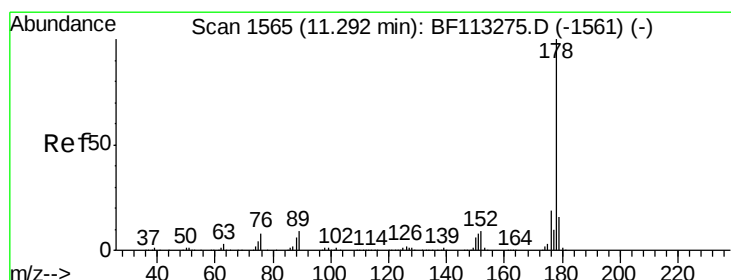
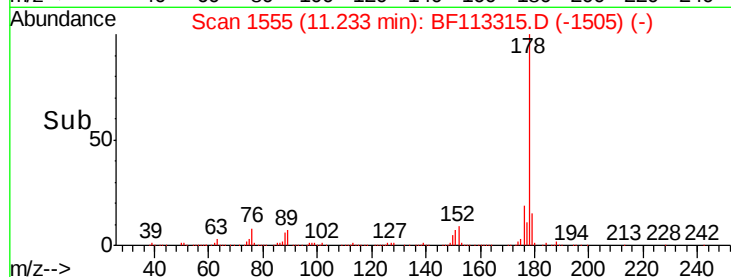
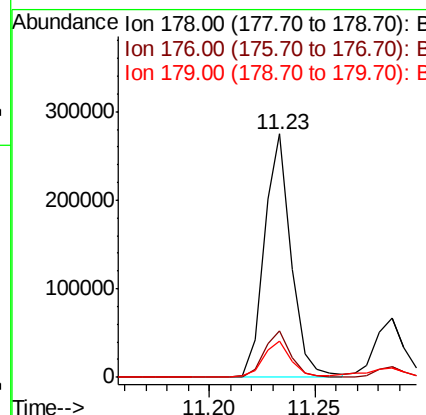
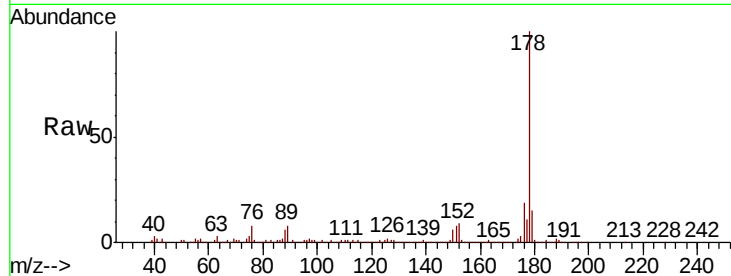




#71
Phenanthrene
Concen: 11.844 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

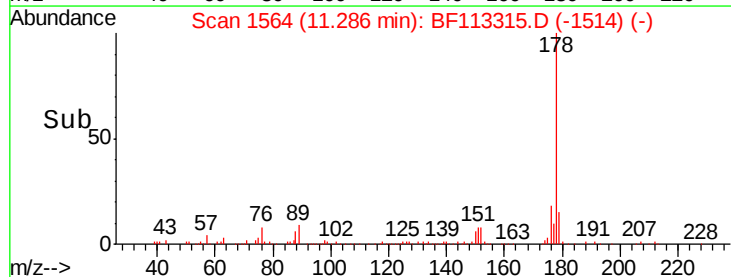
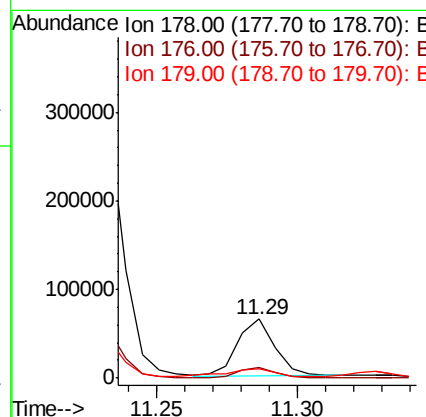
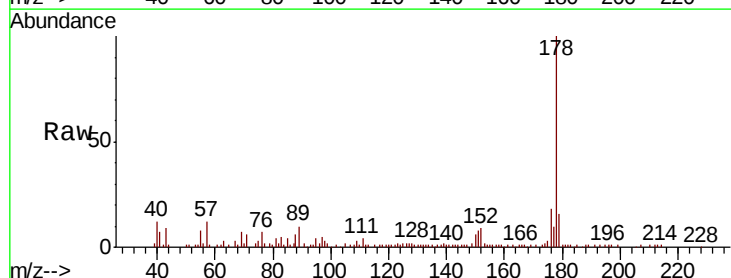
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

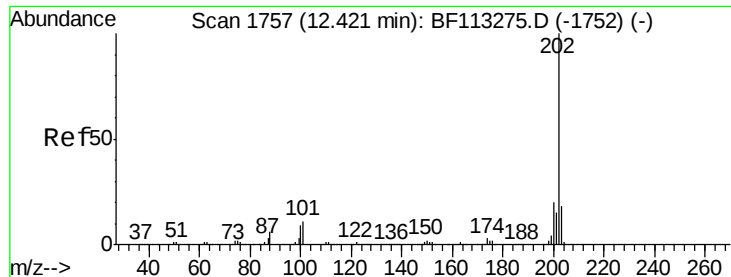
Tgt Ion:178 Resp: 241683
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 14.8 12.7 19.1



#72
Anthracene
Concen: 2.923 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion:178 Resp: 60579
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.8 12.8 19.2





#75

Fluoranthene

Concen: 12.179 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

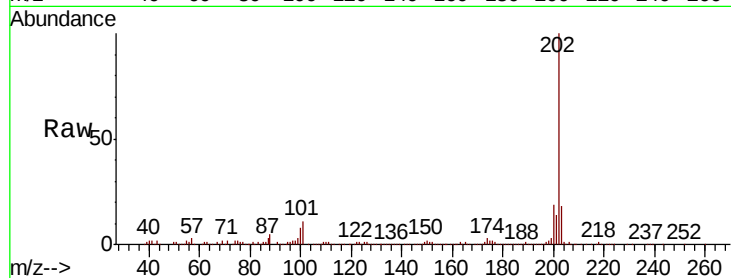
Tgt Ion: 202 Resp: 280938

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

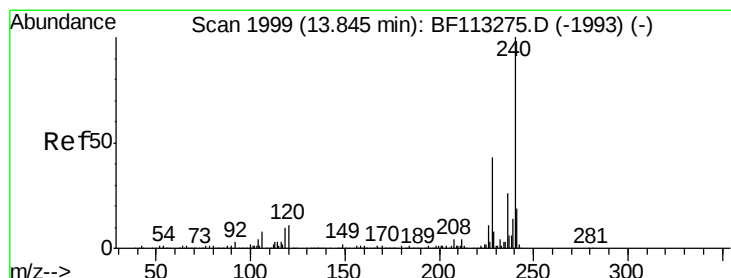
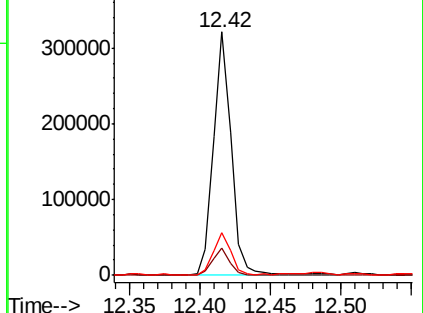
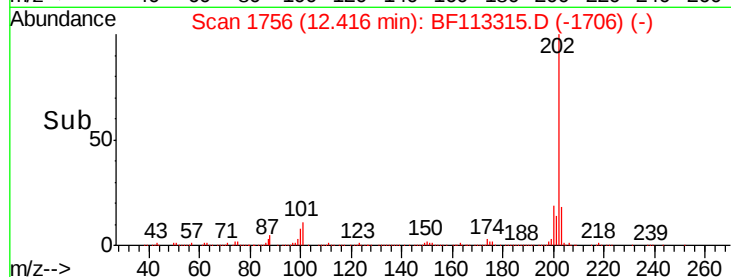
203 17.7 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

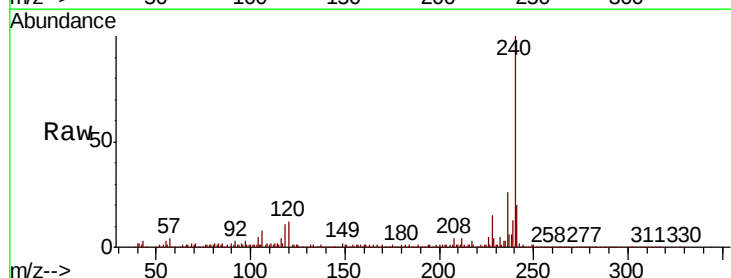
Tgt Ion: 240 Resp: 405724

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

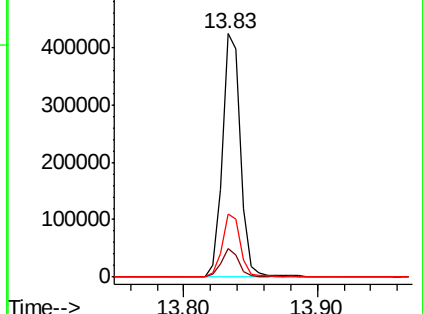
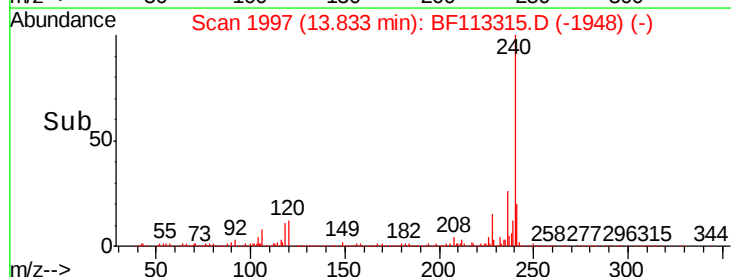
236 25.9 20.9 31.3

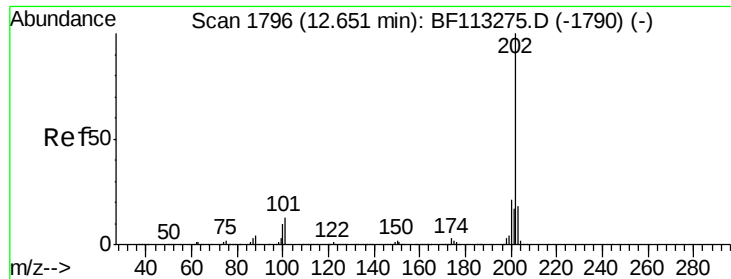


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

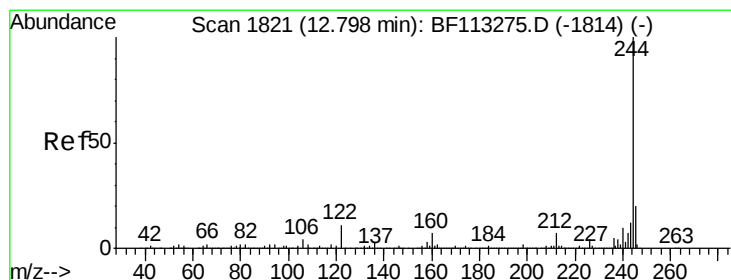
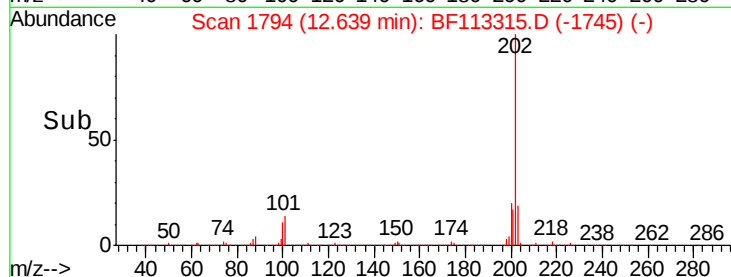
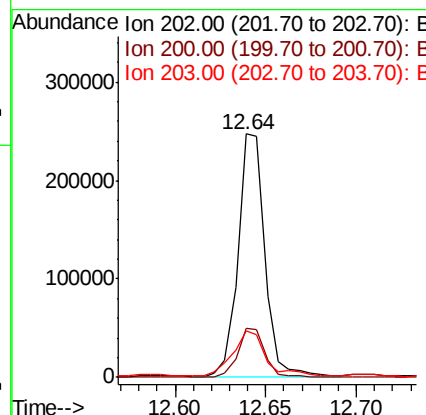
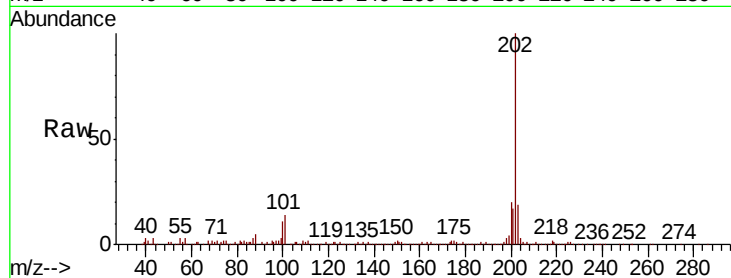




#78
 Pyrene
 Concen: 8.996 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

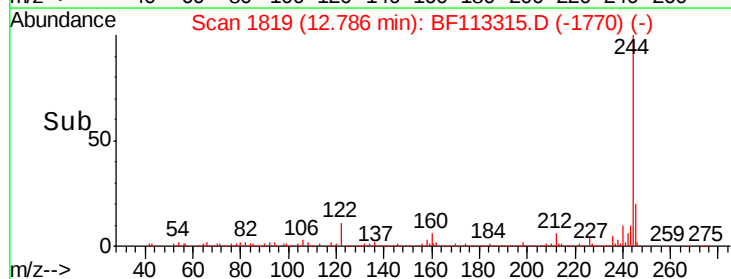
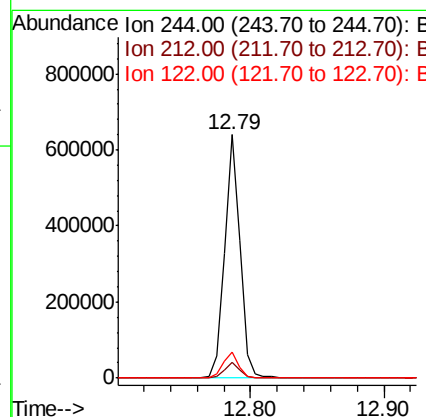
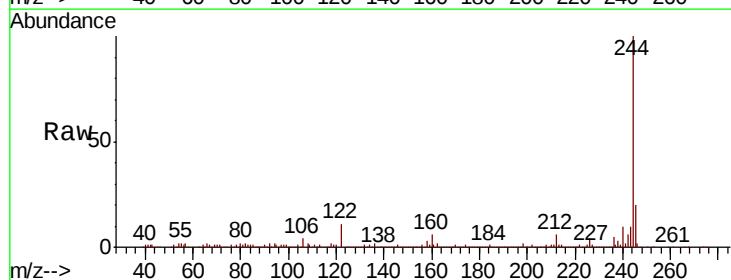
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-005-ARE

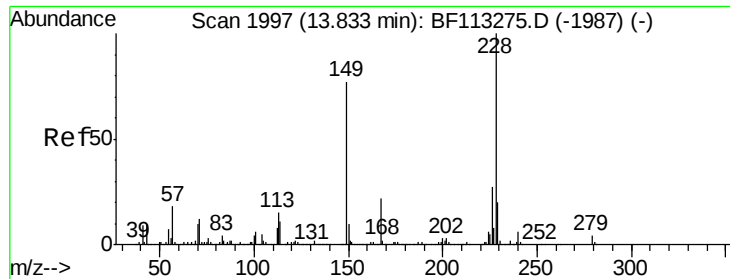
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	19.2	14.4	21.6



#79
 Terphenyl-d14
 Concen: 28.421 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113315.D
 Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	10.7	8.6	13.0

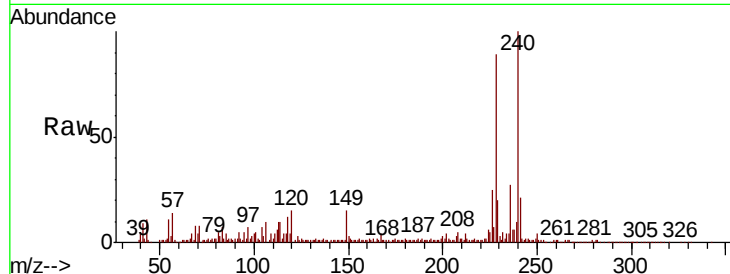




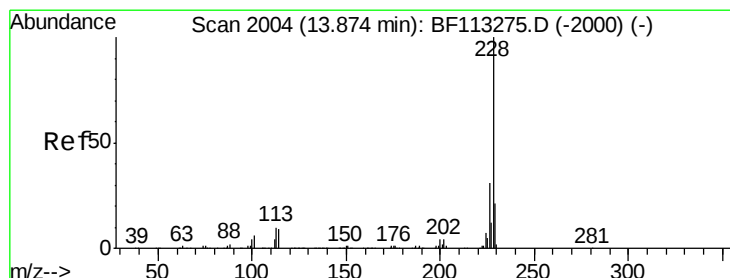
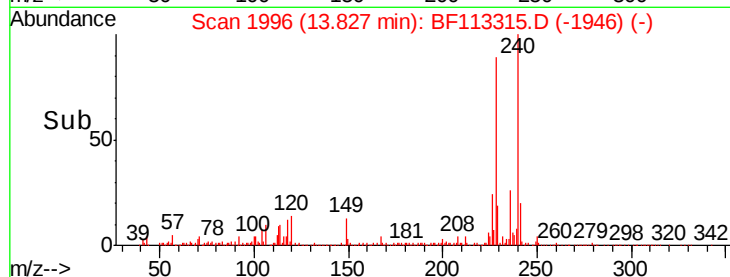
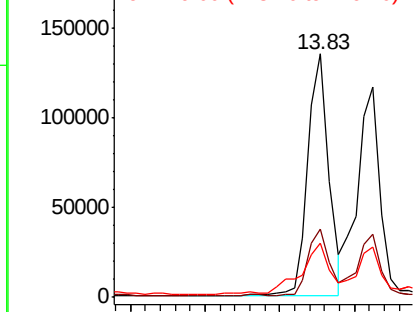
#81
Benzo(a)anthracene
Concen: 5.654 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

Tgt Ion: 228 Resp: 131315
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 22.1 16.2 24.4

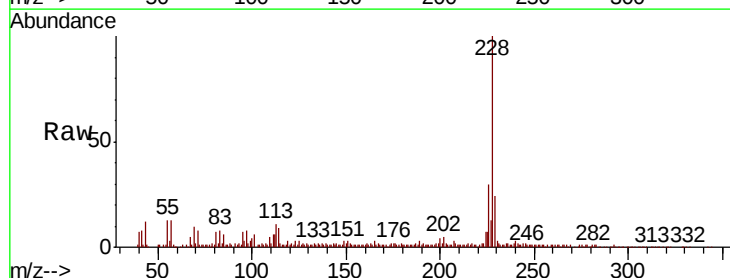


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

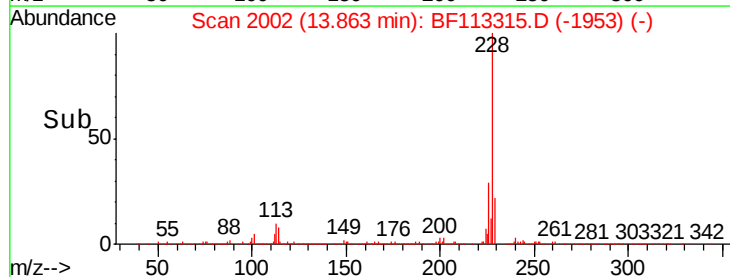
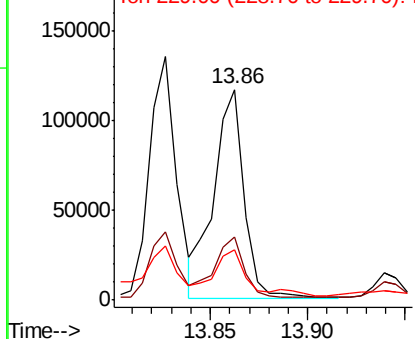


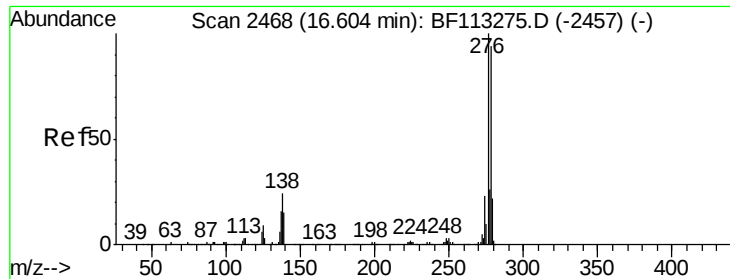
#83
Chrysene
Concen: 5.363 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion: 228 Resp: 126518
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 23.9 16.3 24.5



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





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.725 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

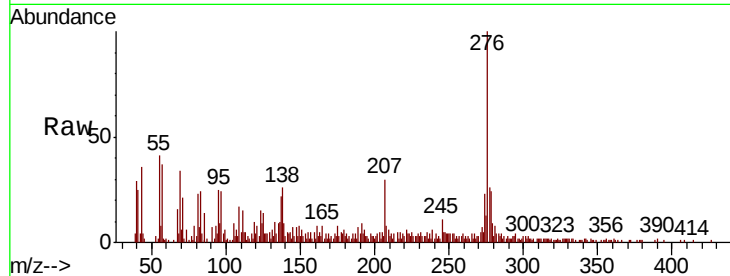
Tgt Ion:276 Resp: 55176

Ion Ratio Lower Upper

276 100

138 22.0 18.1 27.1

277 23.5 20.2 30.4

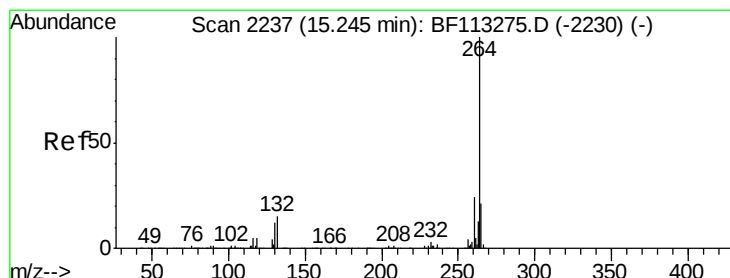
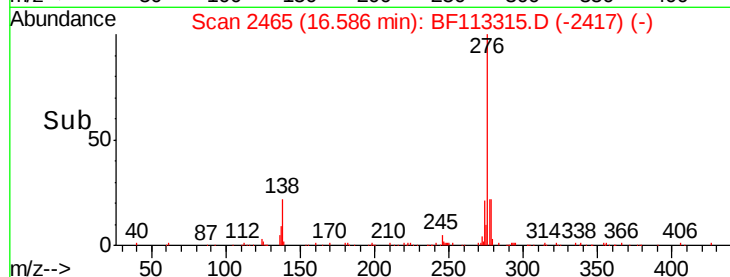
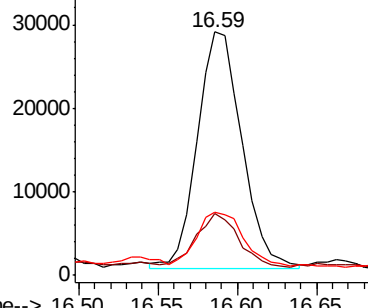


Abundance

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: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

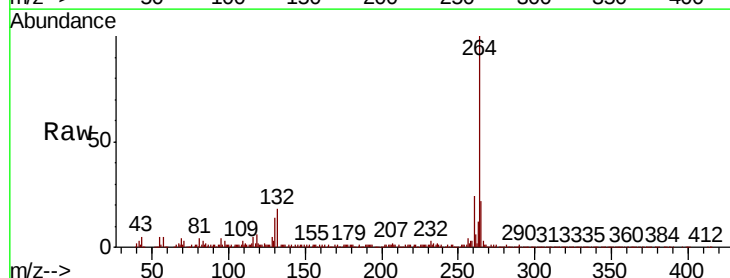
Tgt Ion:264 Resp: 402565

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.0 17.1 25.7

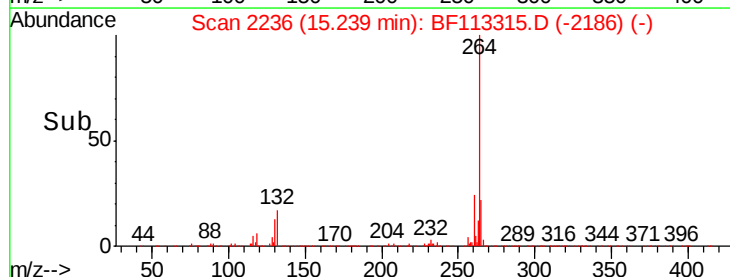
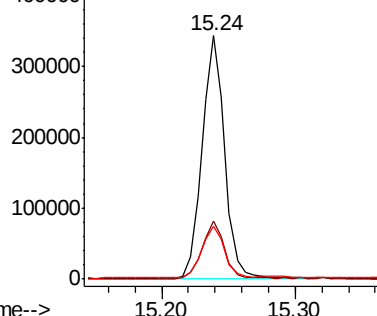


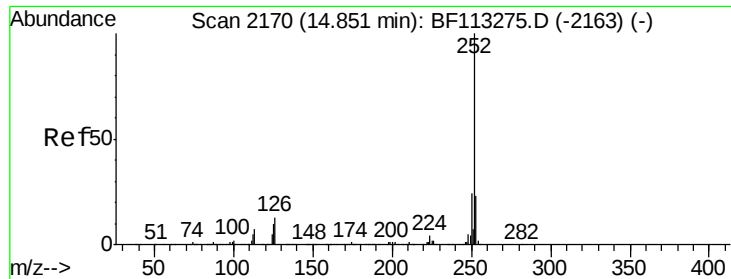
Abundance

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

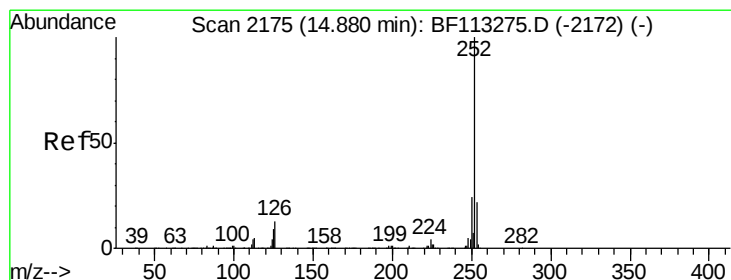
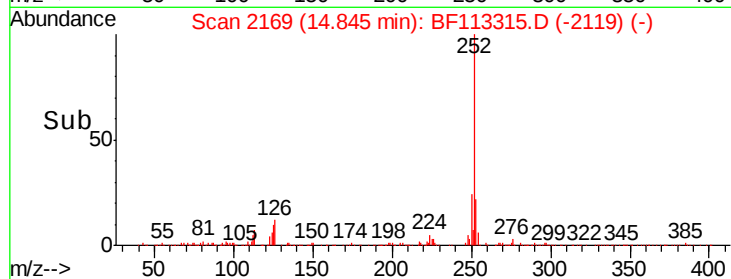
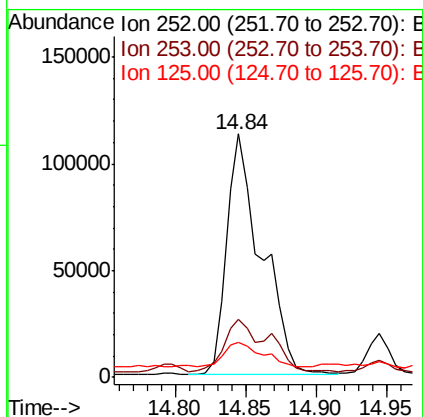
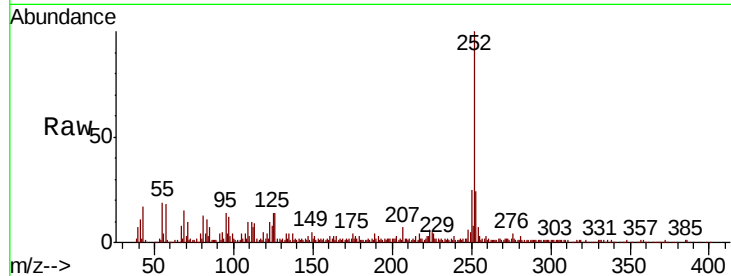




#88
Benzo(b)fluoranthene
Concen: 7.754 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

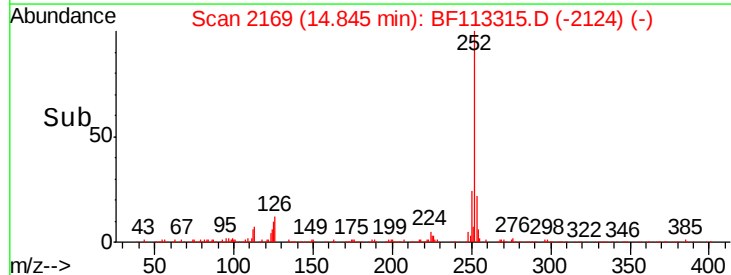
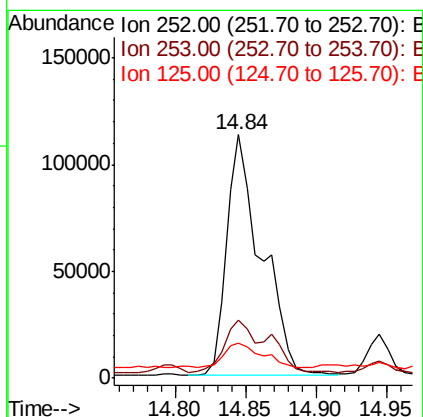
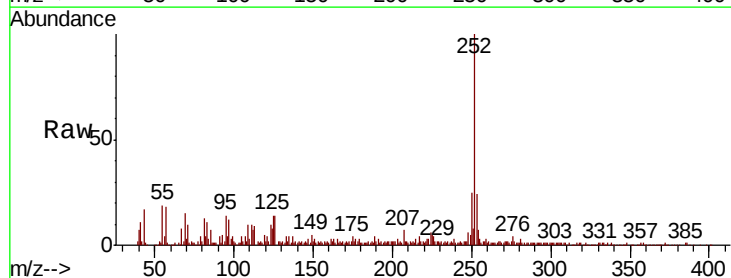
Instrument :
BNA_F
ClientSampleId :
FK-SF-01-005-ARE

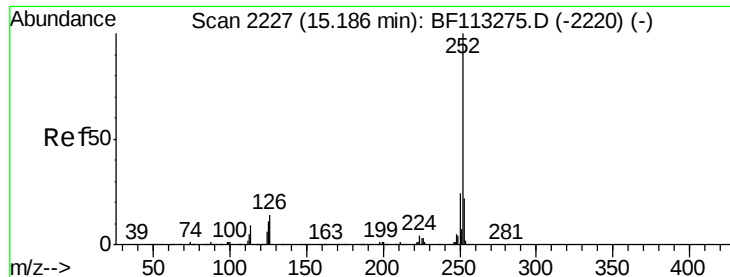
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	14.2	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 8.829 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113315.D
Acq: 27 Mar 2019 2:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	14.2	7.3	10.9#





#90

Benzo(a)pyrene

Concen: 4.672 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

FK-SF-01-005-ARE

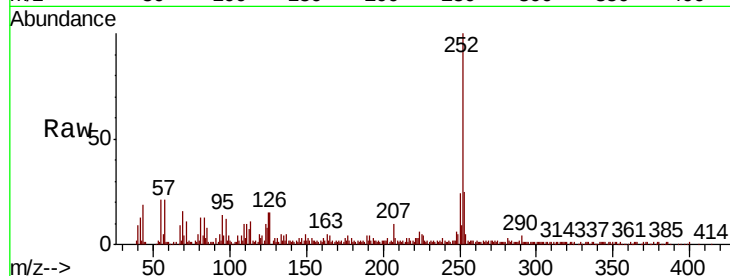
Tgt Ion:252 Resp: 103582

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 15.3 8.8 13.2#

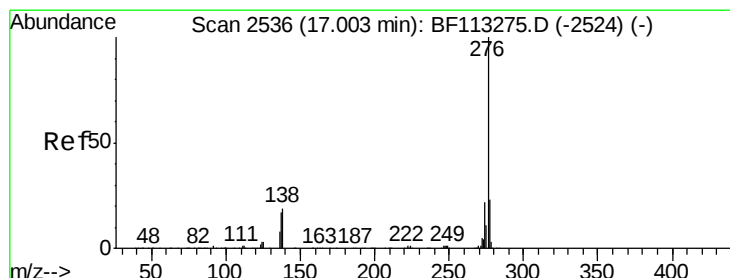
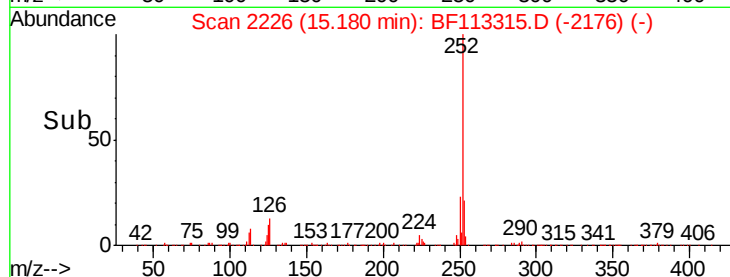
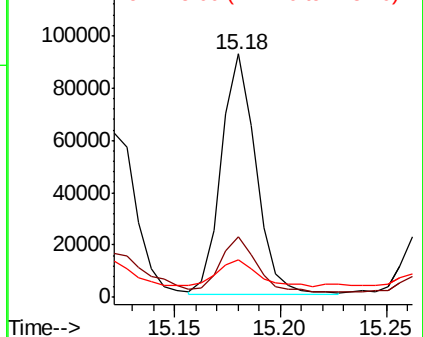


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.690 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113315.D

Acq: 27 Mar 2019 2:46

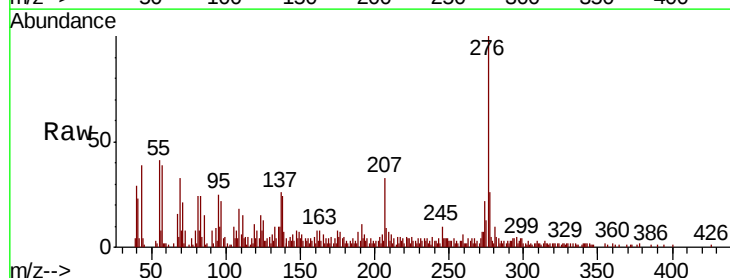
Tgt Ion:276 Resp: 52001

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 23.5 15.6 23.4#



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

