

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
 Data File : BF114140.D
 Acq On : 11 May 2019 00:06
 Operator : JU/SJ
 Sample : K2761-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-006-A

Quant Time: May 11 04:04:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

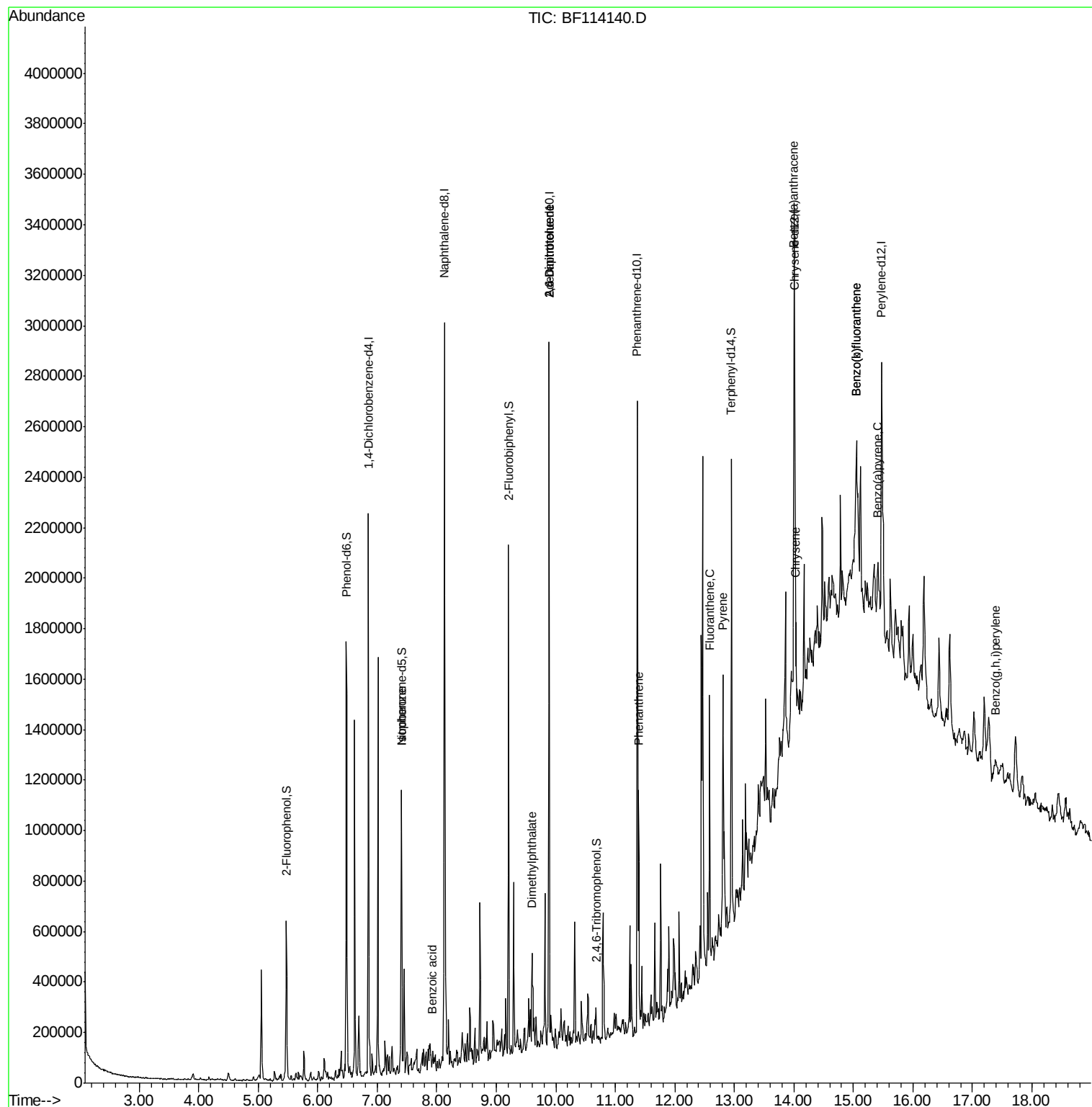
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	322459	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1197592	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	495038	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	940329	20.00	ng	0.00
76) Chrysene-d12	14.01	240	617832	20.00	ng	-0.01
87) Perylene-d12	15.47	264	505356	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	169246	8.45	ng	0.00
7) Phenol-d6	6.48	99	570415	24.07	ng	-0.01
23) Nitrobenzene-d5	7.41	82	326612	15.31	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	12274	2.40	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	588395	17.98	ng	0.00
79) Terphenyl-d14	12.95	244	556995	18.58	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	320200	8.091	ng	# 65
32) Benzoic acid	7.92	122	361	7.047	ng	# 31
50) Dimethylphthalate	9.60	163	86230	2.373	ng	99
51) 2,6-Dinitrotoluene	9.89	165	67209	8.338	ng	# 22
57) 2,4-Dinitrotoluene	9.89	165	67209	6.143	ng	# 25
71) Phenanthrene	11.39	178	321051	7.018	ng	98
75) Fluoranthene	12.58	202	441178	8.955	ng	98
78) Pyrene	12.81	202	413849	8.327	ng	98
81) Benzo(a)anthracene	14.00	228	183053	4.581	ng	93
83) Chrysene	14.03	228	163237	4.167	ng	97
88) Benzo(b)fluoranthene	15.05	252	178131	5.502	ng	# 75
89) Benzo(k)fluoranthene	15.05	252	178131	5.989	ng	# 76
90) Benzo(a)pyrene	15.41	252	98703	3.464	ng	# 81
92) Benzo(a,h,i)perylene	17.39	276	57831	2.437	ng	# 83

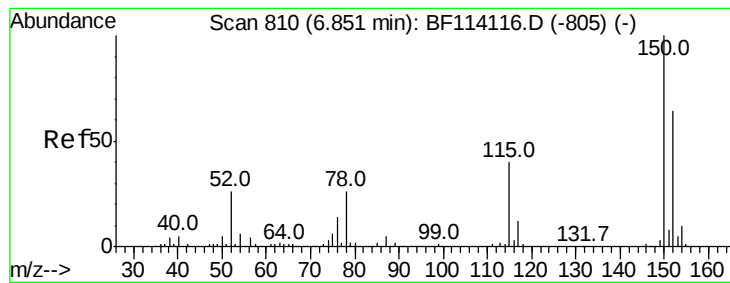
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

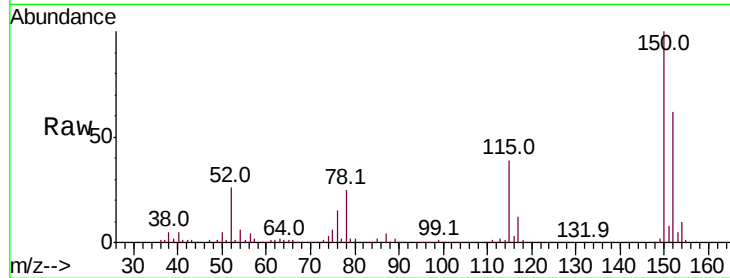
Tot Ion:152 Resp: 322459

Ion Ratio Lower Upper

152 100

150 161.4 124.3 186.5

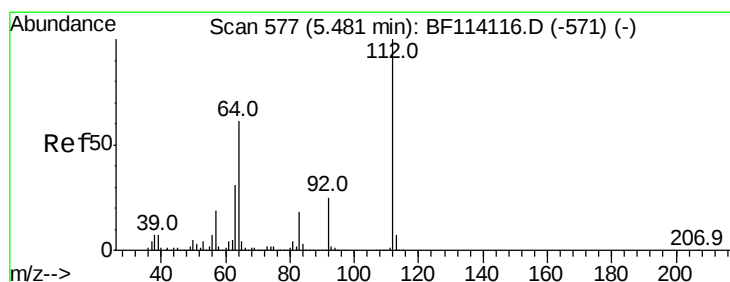
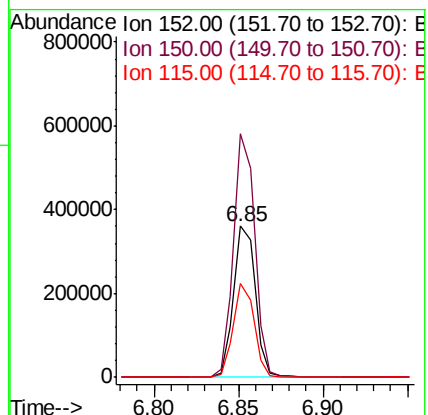
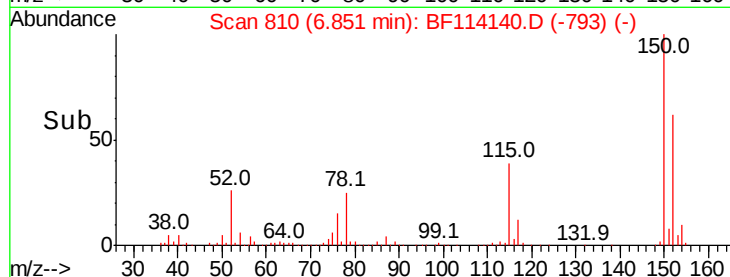
115 62.5 49.1 73.7



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: 8.446 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

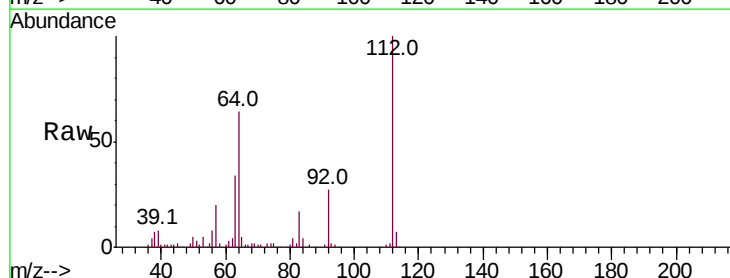
Tgt Ion:112 Resp: 169246

Ion Ratio Lower Upper

112 100

64 64.4 49.0 73.6

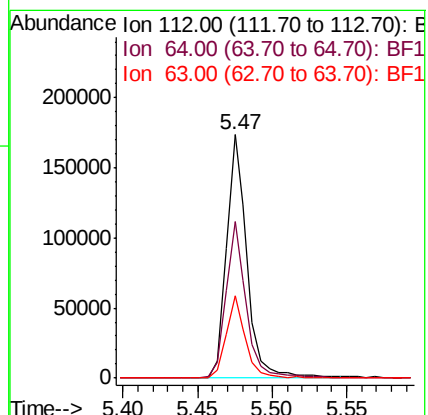
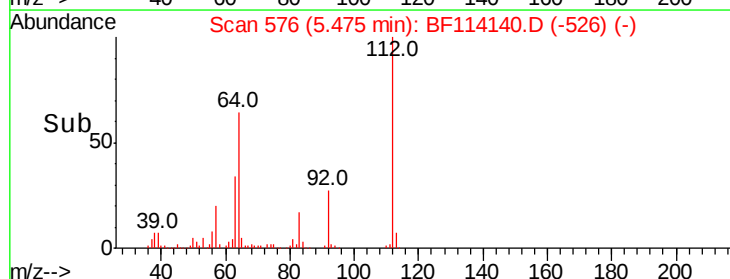
63 33.6 24.6 37.0



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: 24.069 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

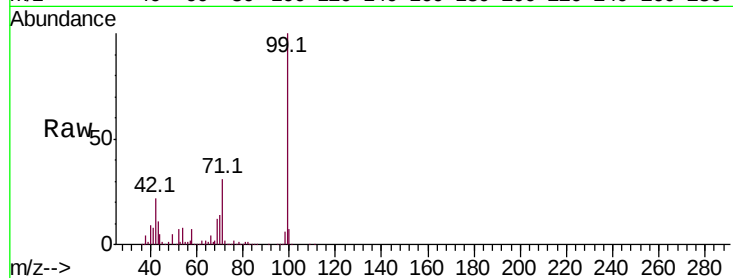
Tot Ion: 99 Resp: 570415

Ion Ratio Lower Upper

99 100

42 21.7 17.9 26.9

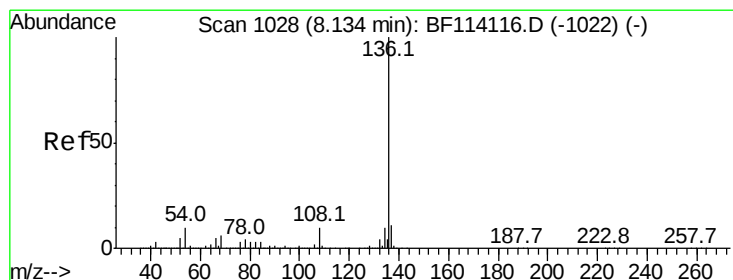
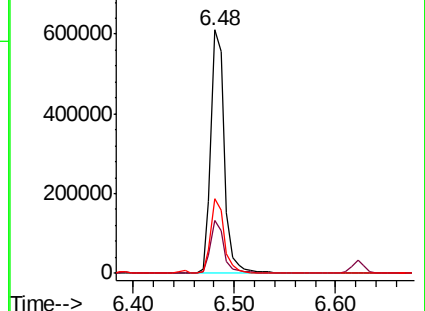
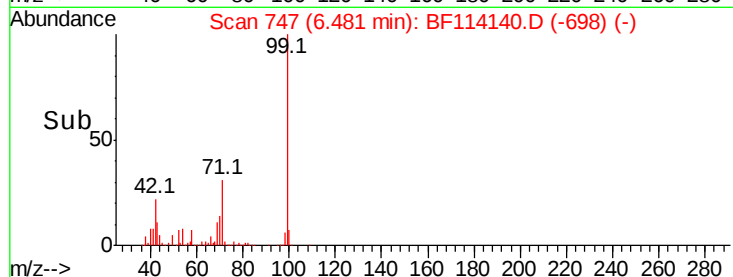
71 30.7 26.2 39.2



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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Tgt Ion: 136 Resp: 1197592

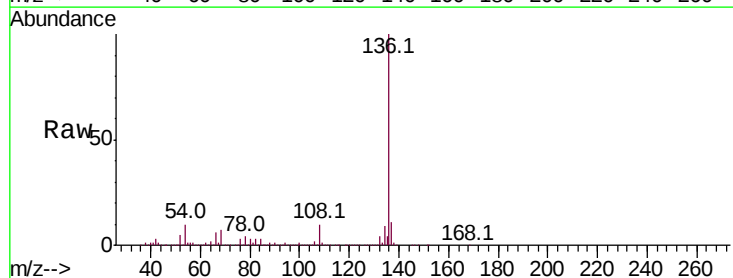
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 9.9 7.8 11.8

68 6.6 5.1 7.7

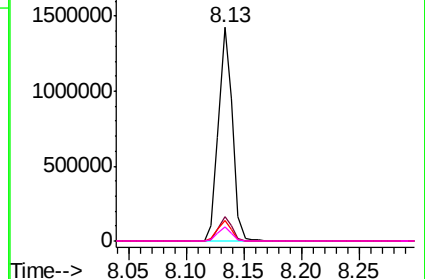
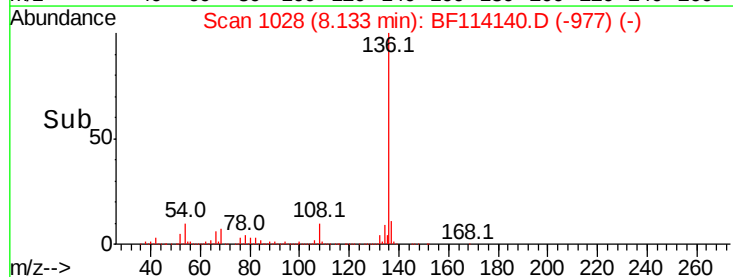


Abundance Ion 136.00 (135.70 to 136.70): E

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

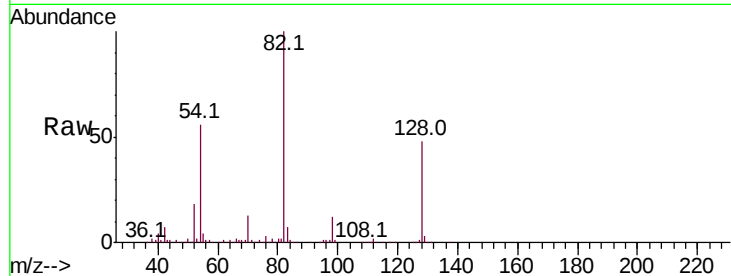




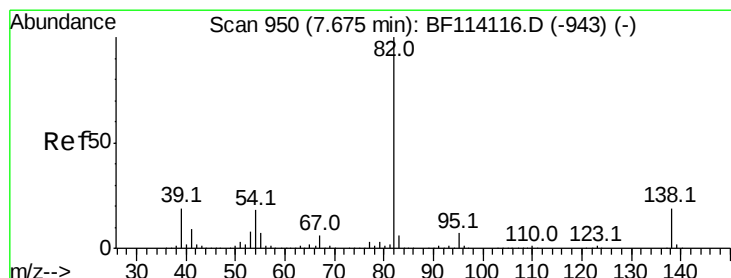
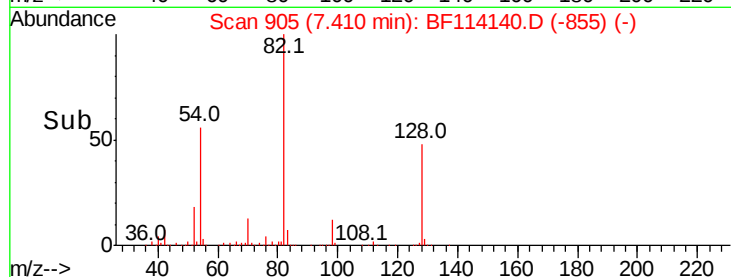
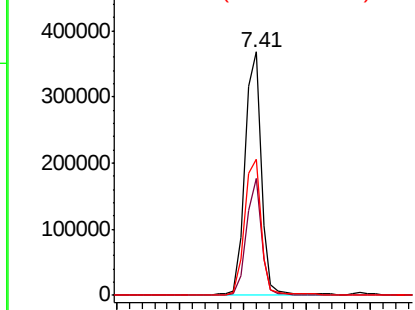
#23
 Nitrobenzene-d5
 Concen: 15.305 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114140.D
 Acq: 11 May 2019 00:06

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-006-A

Tot Ion	82	Resp	326612
Ion Ratio	Lower	Upper	
82	100		
128	47.9	35.5	53.3
54	55.9	48.5	72.7

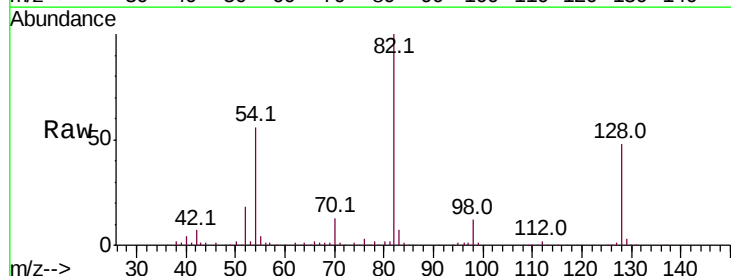


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

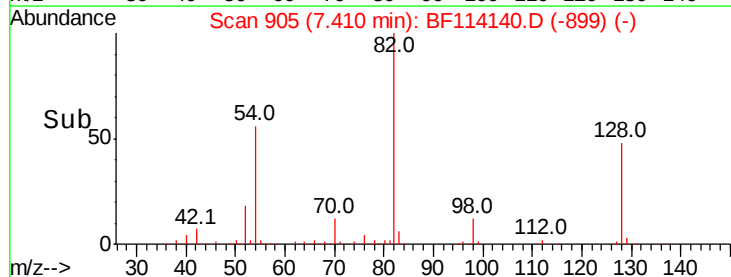
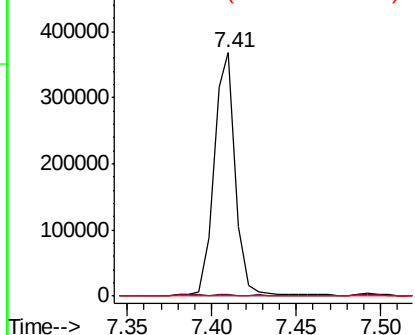


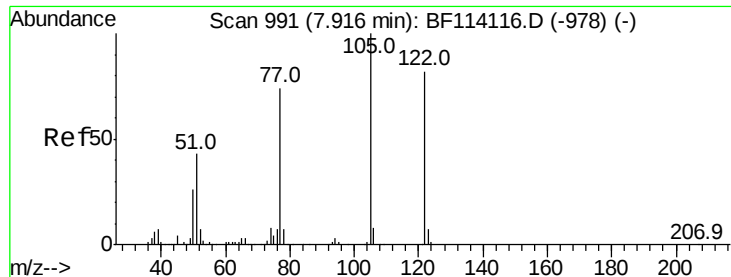
#25
 Isophorone
 Concen: 8.091 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF114140.D
 Acq: 11 May 2019 00:06

Tgt Ion	82	Resp	320200
Ion Ratio	Lower	Upper	
82	100		
95	0.5	5.6	8.4#
138	0.0	14.8	22.2#



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

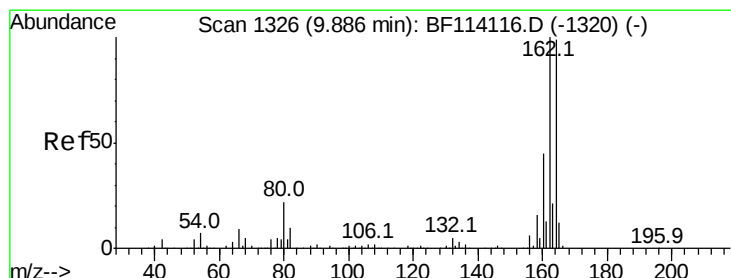
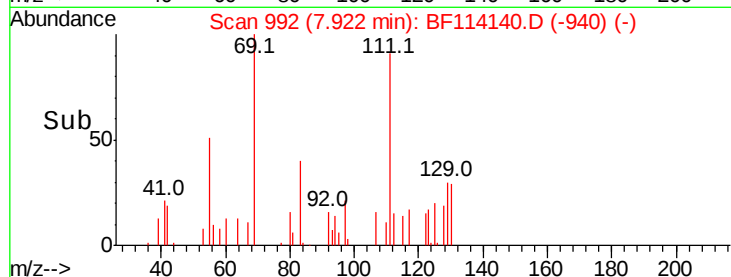
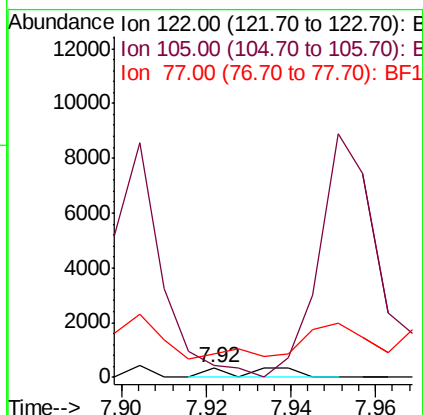
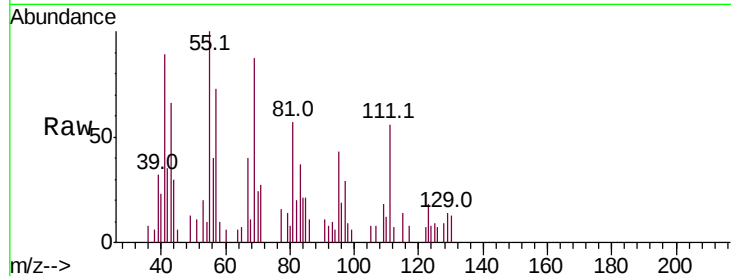




#32
Benzoic acid
Concen: 7.047 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

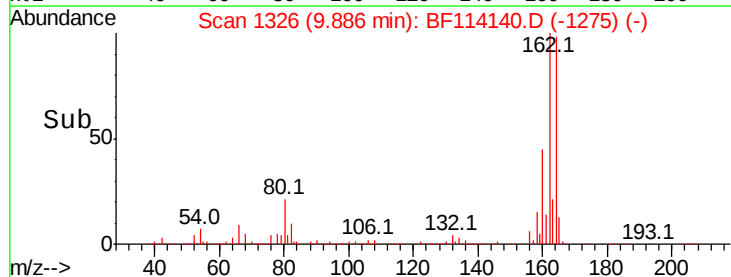
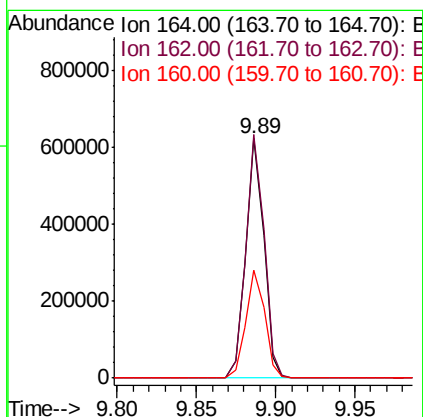
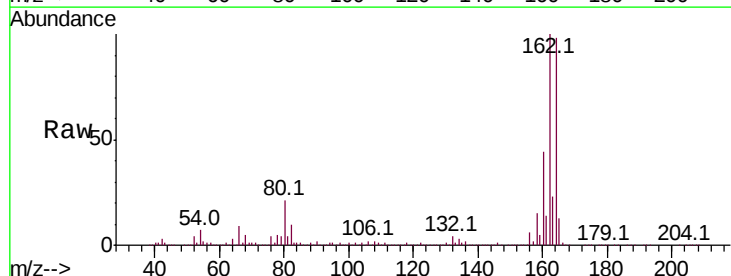
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-A

Tot Ion:122 Resp: 361
Ion Ratio Lower Upper
122 100
105 120.1 99.9 139.9
77 240.2 69.4 109.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Tgt Ion:164 Resp: 495038
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 45.2 36.5 54.7

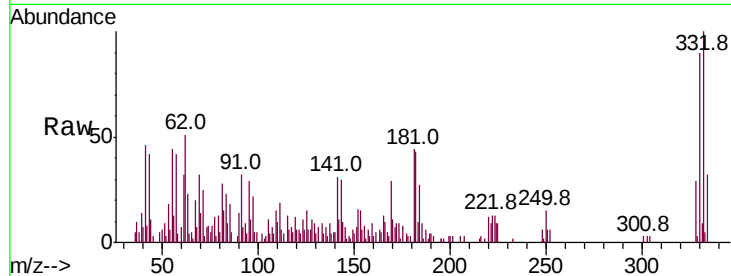




#42
 2,4,6-Tribromophenol
 Concen: 2.398 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114140.D
 Acq: 11 May 2019 00:06

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-006-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.6	81.4	122.2
141	41.8	26.6	40.0

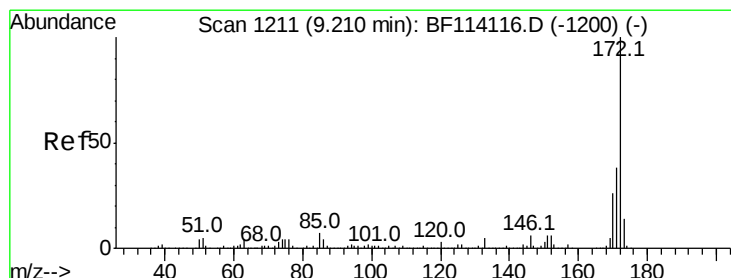
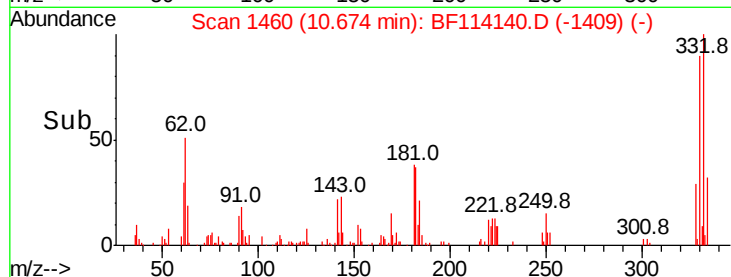
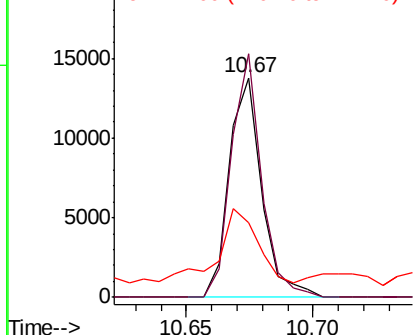


Abundance

Ion 329.80 (329.50 to 330.50): E

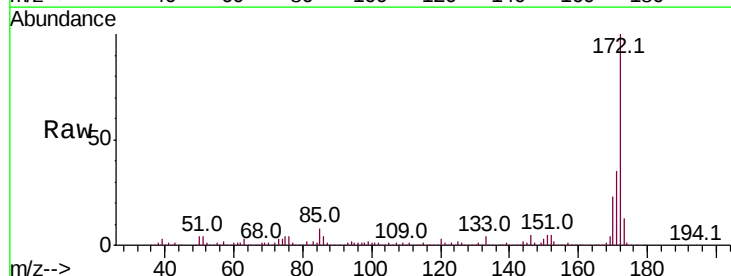
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 17.979 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114140.D
 Acq: 11 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.7	46.1
170	23.0	20.5	30.7

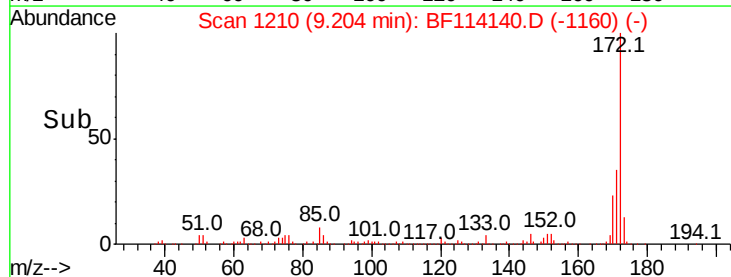
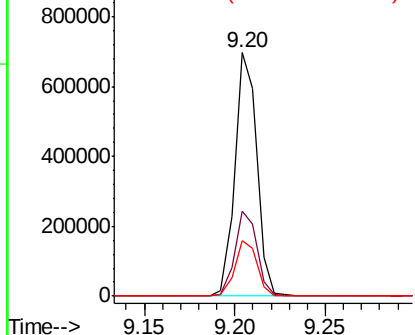


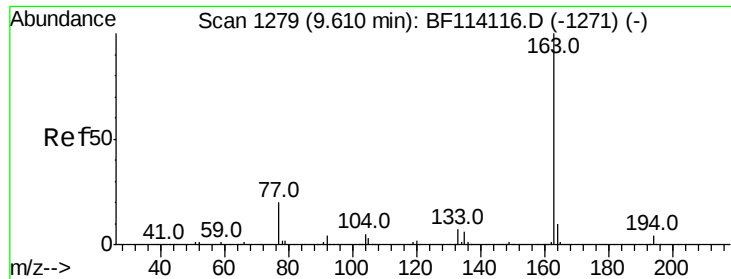
Abundance

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

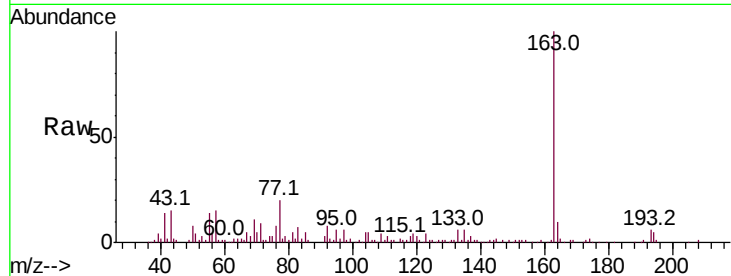




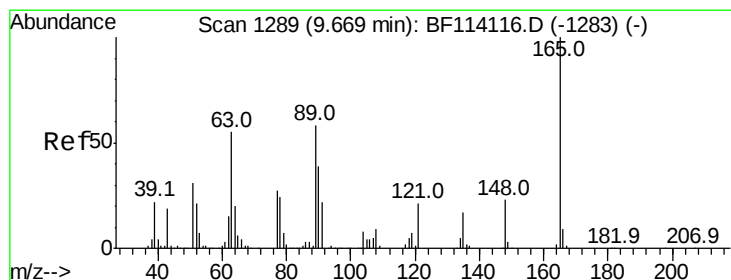
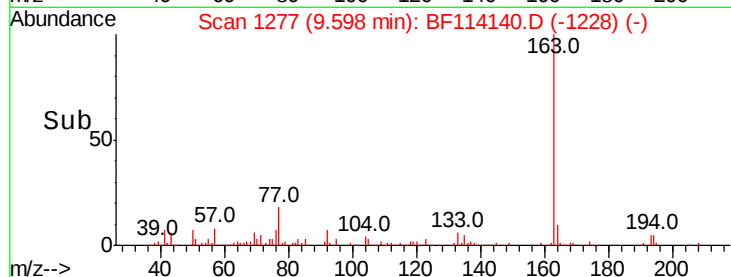
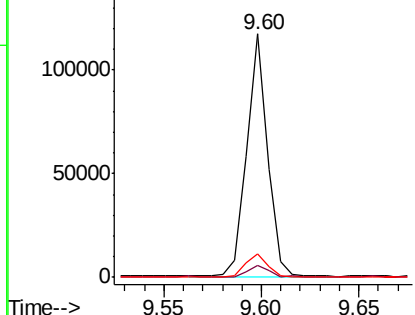
#50
Dimethylphthalate
Concen: 2.373 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.4	5.0
164	9.9	8.2	12.2

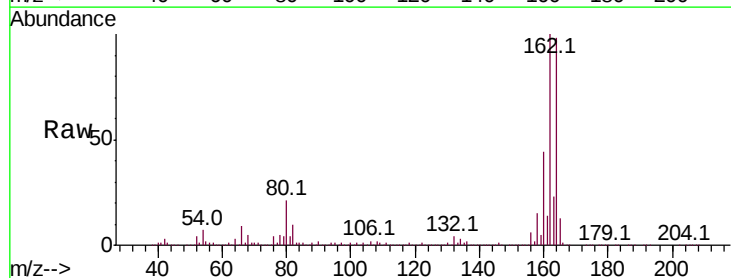


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

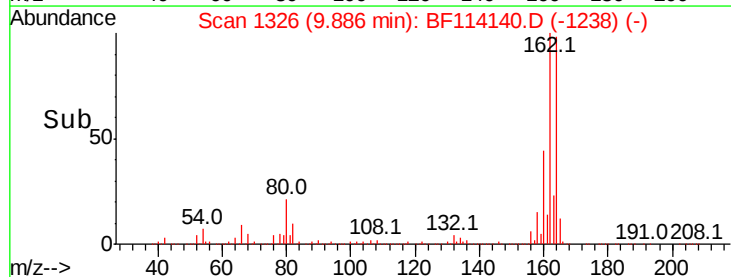
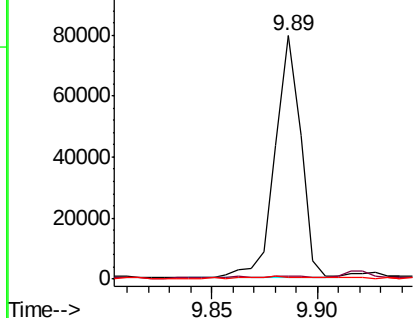


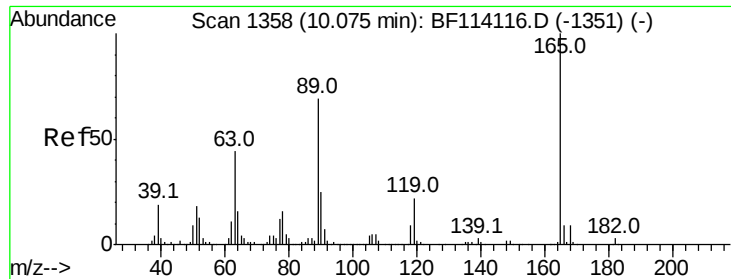
#51
2,6-Dinitrotoluene
Concen: 8.338 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.22 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	50.2	75.4#
89	0.9	46.6	69.8#



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: 6.143 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

Tot Ion:165 Resp: 67209

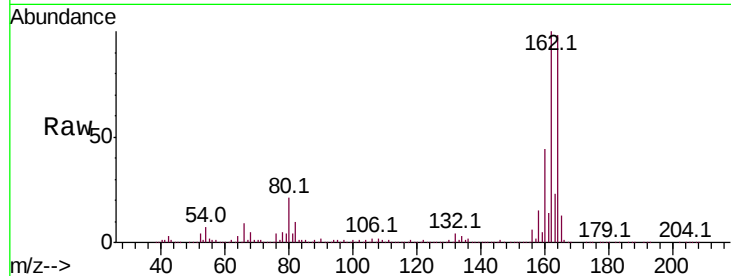
Ion Ratio Lower Upper

165 100

63 1.2 35.5 53.3#

89 0.9 55.2 82.8#

182 0.6 2.2 3.2#

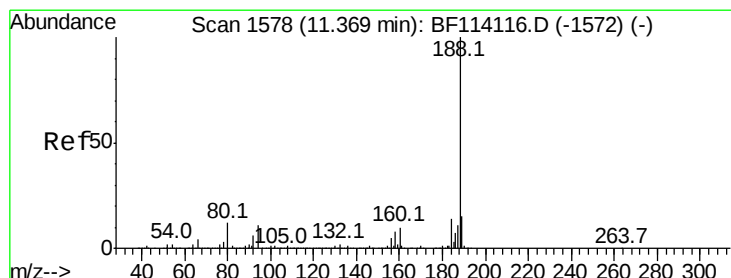
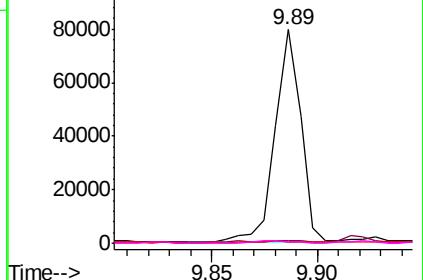
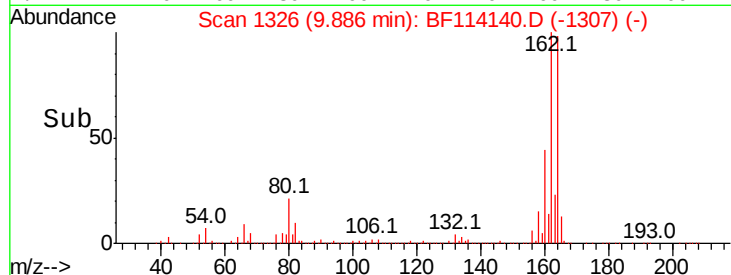


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

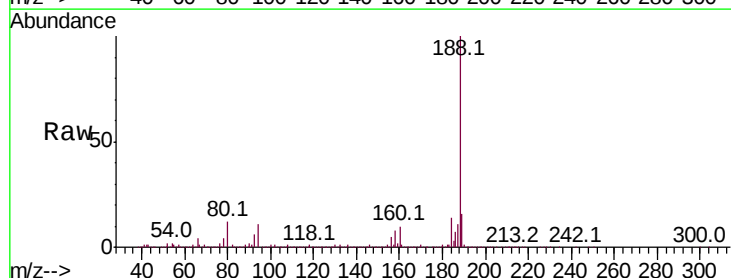
Tgt Ion:188 Resp: 940329

Ion Ratio Lower Upper

188 100

94 11.3 8.4 12.6

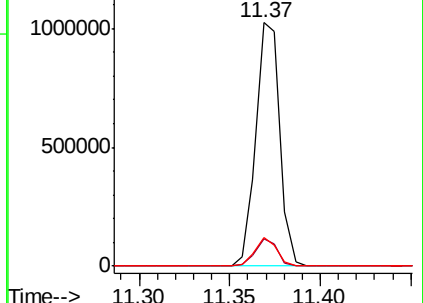
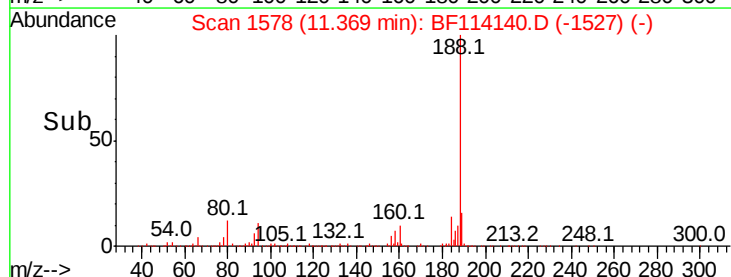
80 11.9 9.2 13.8

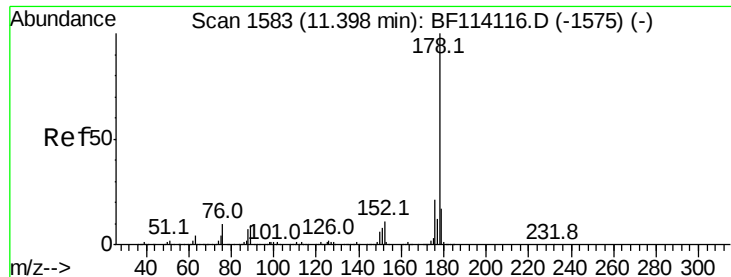


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 7.018 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

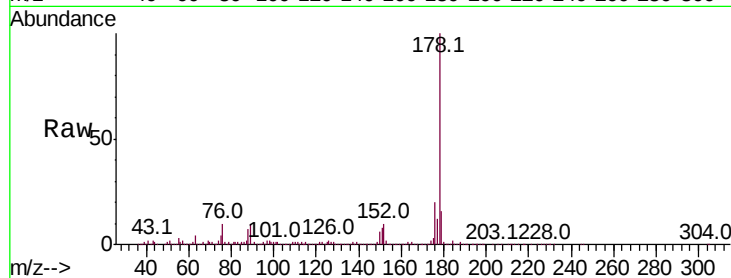
Tot Ion:178 Resp: 321051

Ion Ratio Lower Upper

178 100

176 19.7 16.4 24.6

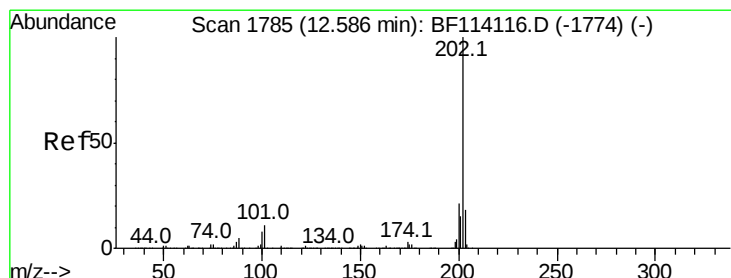
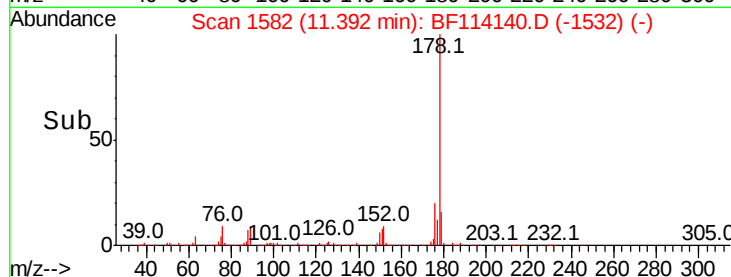
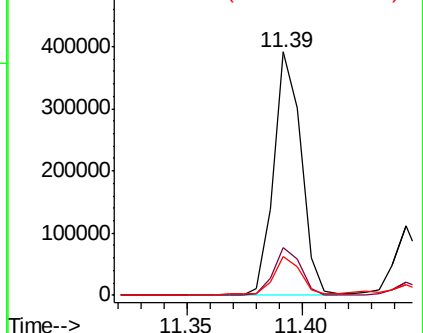
179 15.9 13.2 19.8



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



#75

Fluoranthene

Concen: 8.955 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

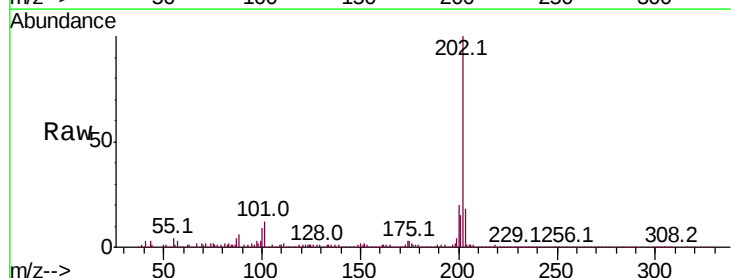
Tgt Ion:202 Resp: 441178

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.0

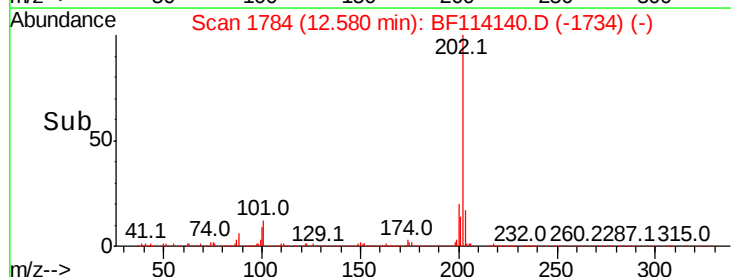
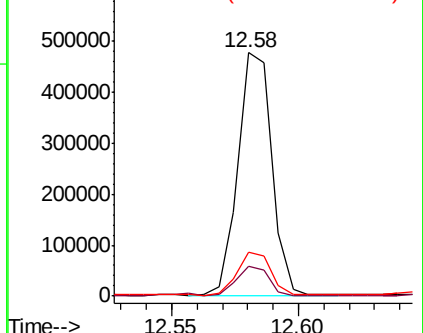
203 17.9 0.0 38.4

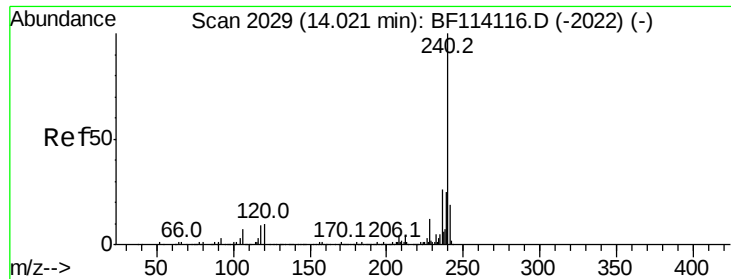


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

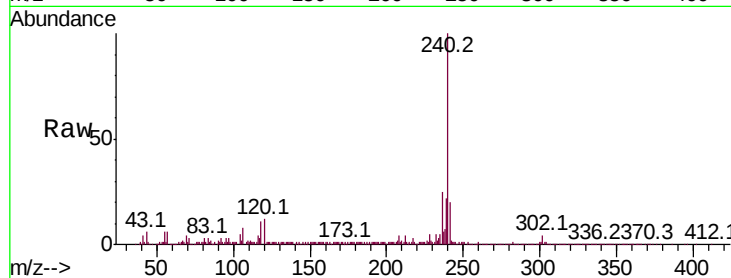




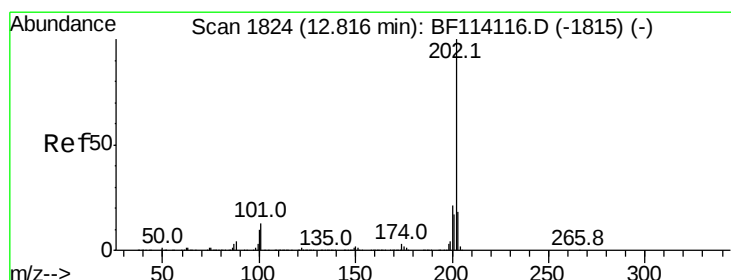
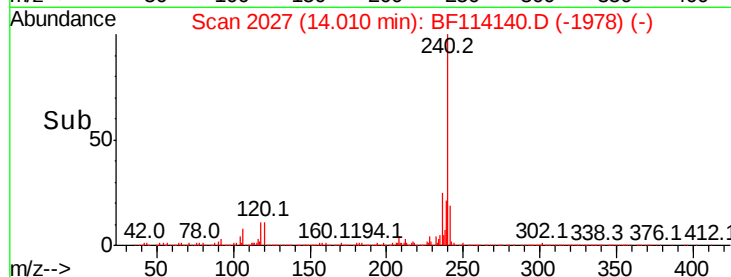
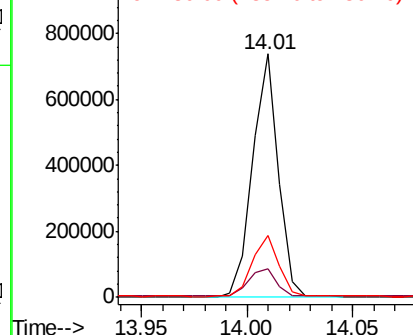
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-A

Tot Ion:240 Resp: 617832
Ion Ratio Lower Upper
240 100
120 11.7 8.3 12.5
236 25.4 20.8 31.2

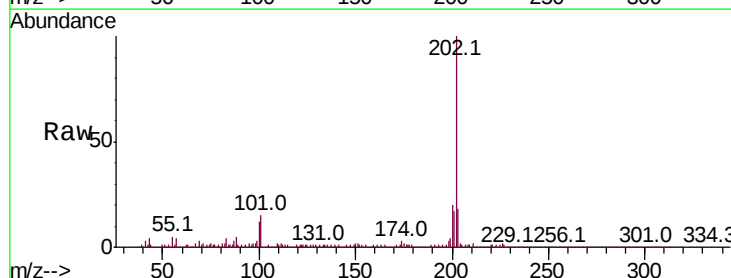


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

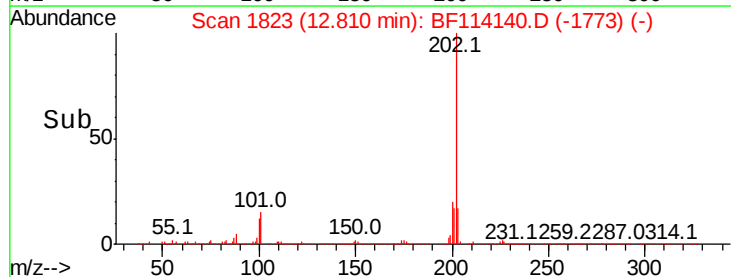
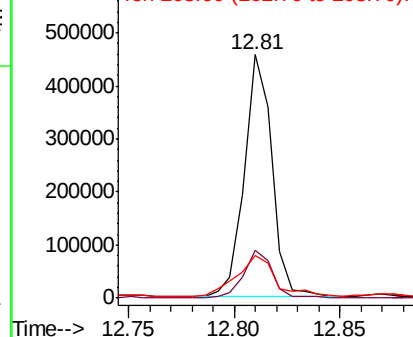


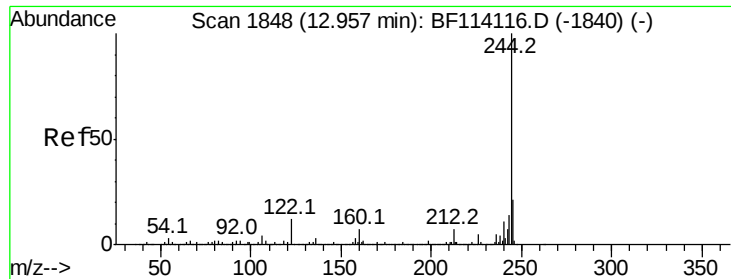
#78
Pyrene
Concen: 8.327 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Tgt Ion:202 Resp: 413849
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 17.5 14.5 21.7



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: 18.584 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

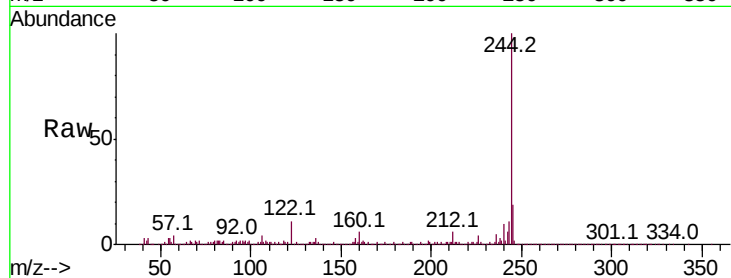
Tot Ion:244 Resp: 556995

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

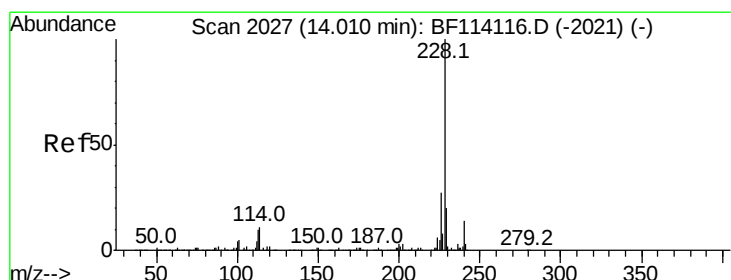
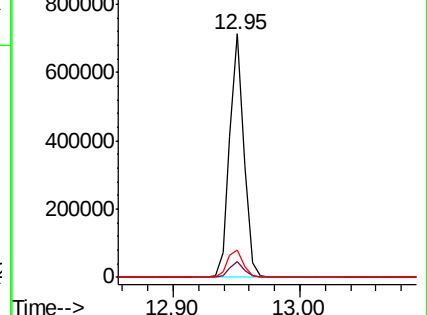
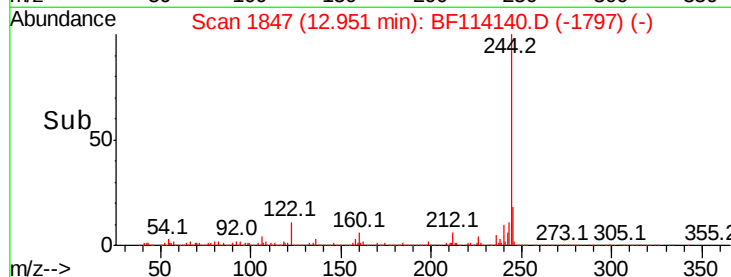
122 11.4 9.4 14.2



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: 4.581 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

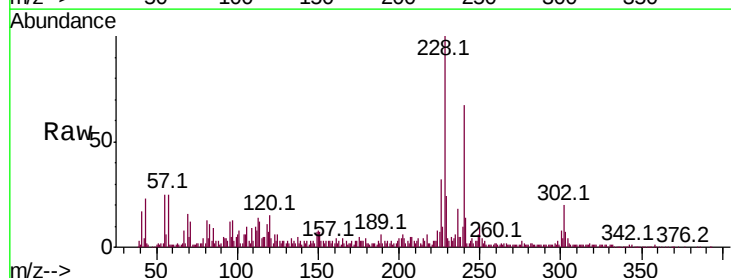
Tgt Ion:228 Resp: 183053

Ion Ratio Lower Upper

228 100

226 31.5 22.2 33.2

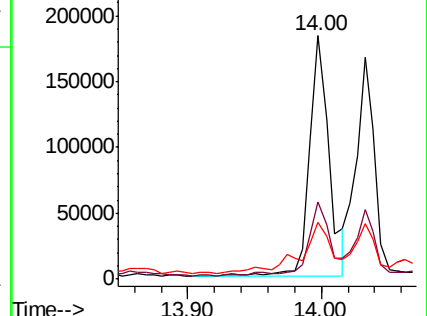
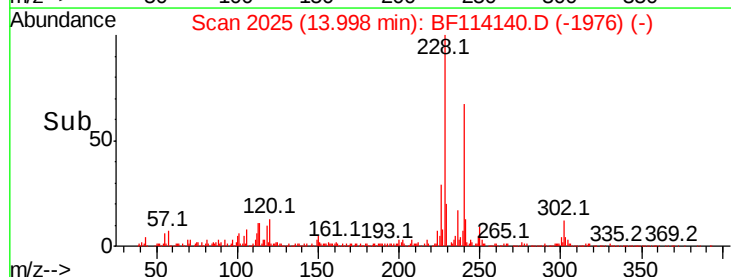
229 23.6 16.4 24.6

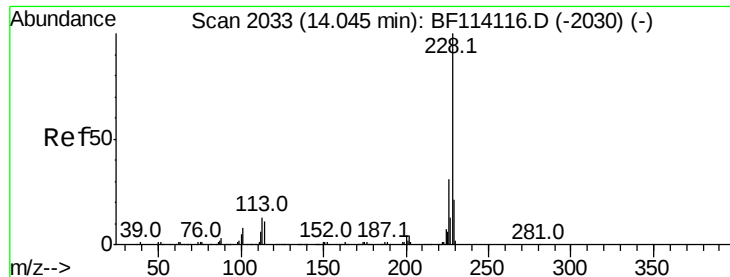


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.167 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

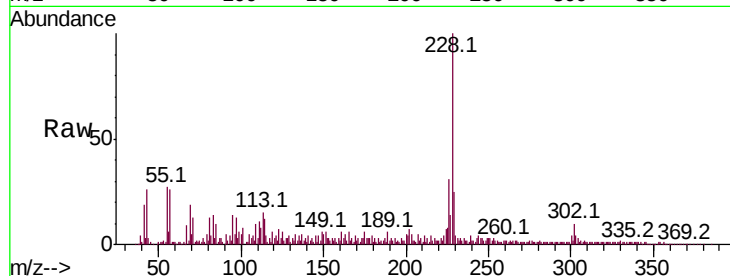
Tot Ion:228 Resp: 163237

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

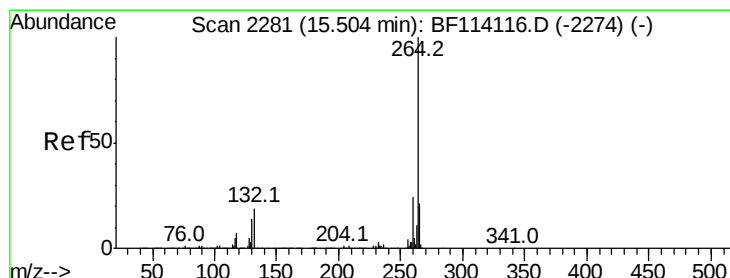
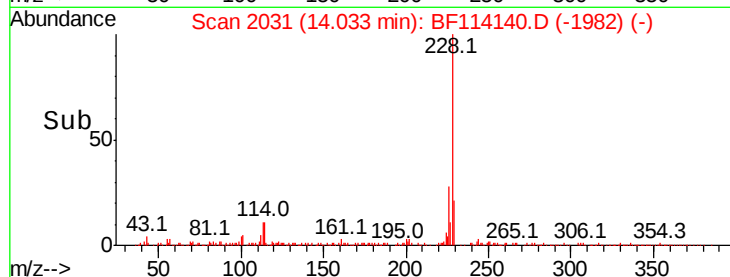
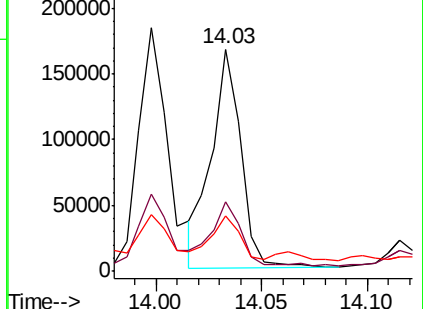
229 25.1 17.0 25.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.03 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

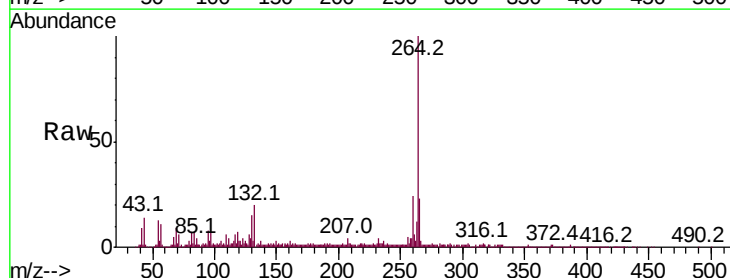
Tgt Ion:264 Resp: 505356

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

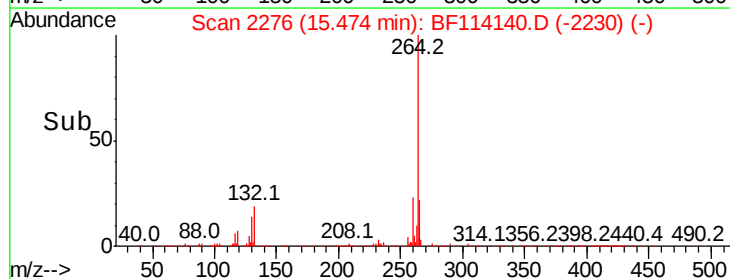
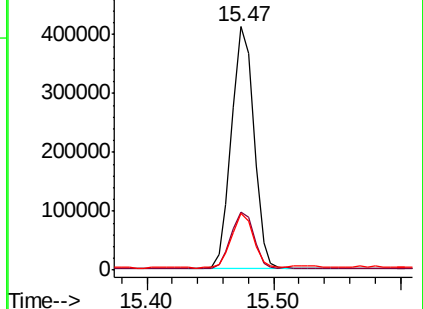
265 23.1 16.9 25.3

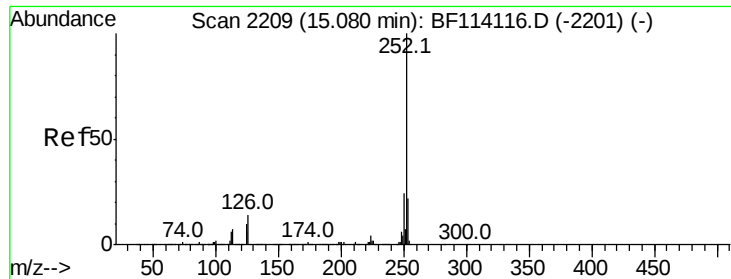


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

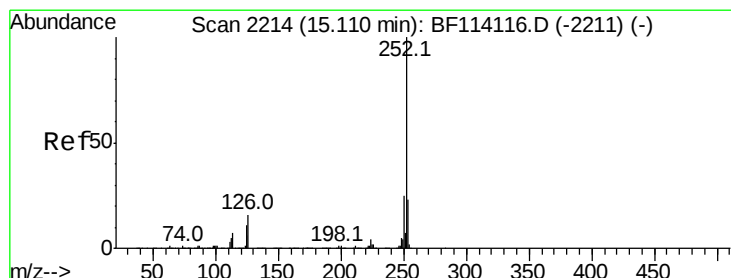
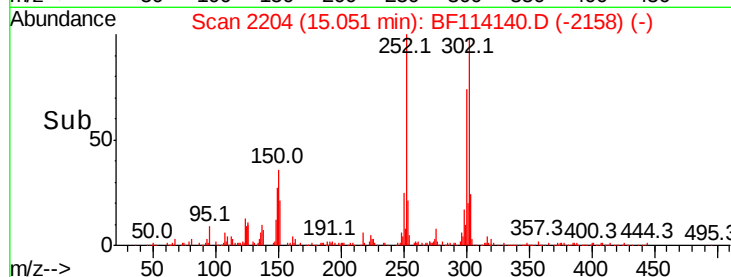
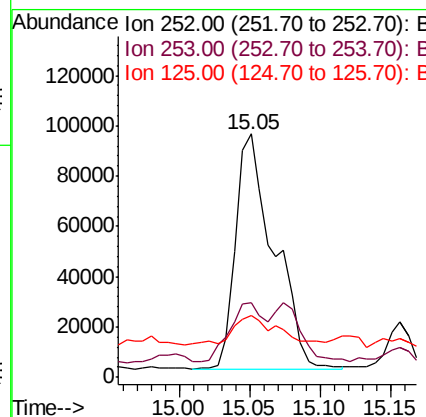
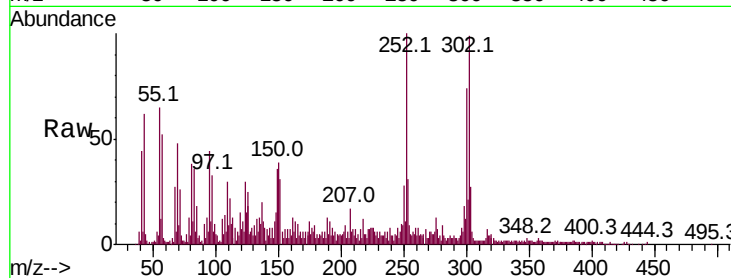




#88
Benzo(b)fluoranthene
Concen: 5.502 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

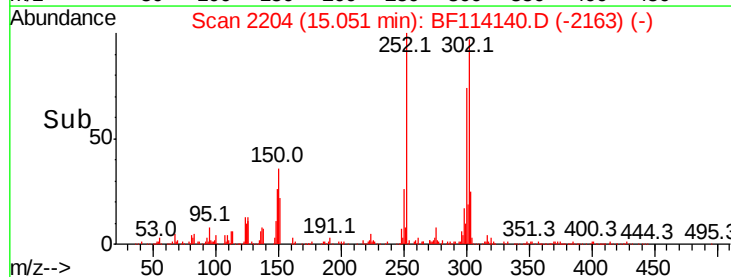
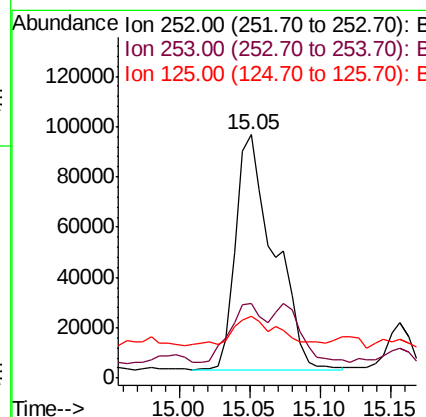
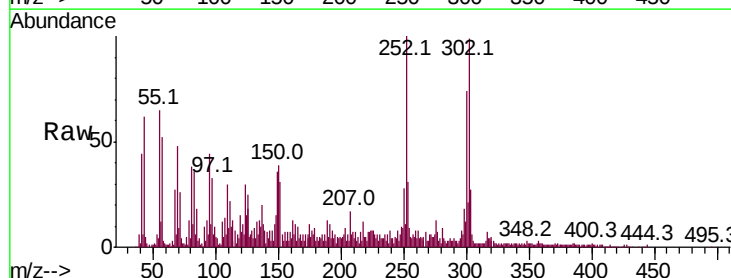
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-A

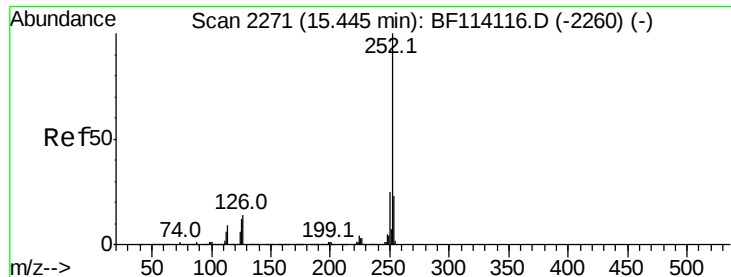
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.8	26.8#
125	25.3	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 5.989 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF114140.D
Acq: 11 May 2019 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.2	27.2#
125	25.3	8.6	13.0#





#90

Benzo(a)pyrene

Concen: 3.464 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.04 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-A

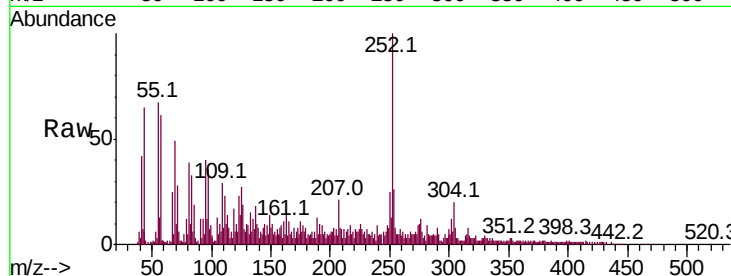
Tot Ion:252 Resp: 98703

Ion Ratio Lower Upper

252 100

253 26.2 18.1 27.1

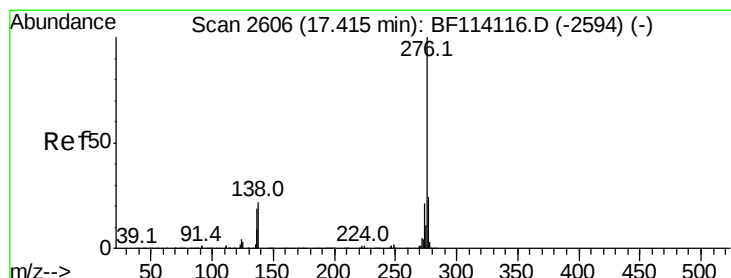
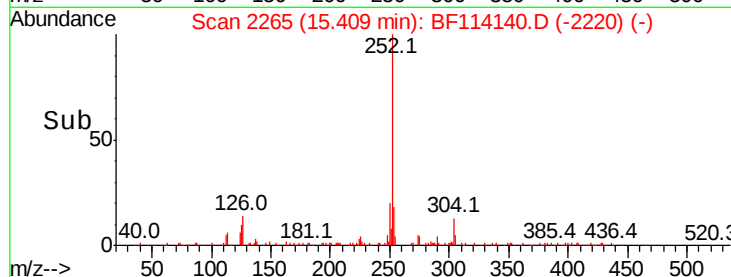
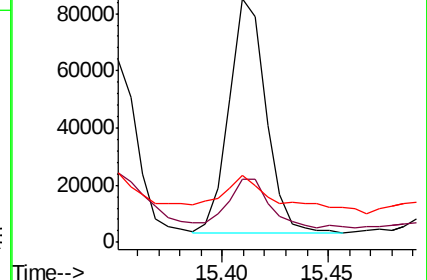
125 27.4 9.5 14.3#



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: 2.437 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.03 min

Lab File: BF114140.D

Acq: 11 May 2019 00:06

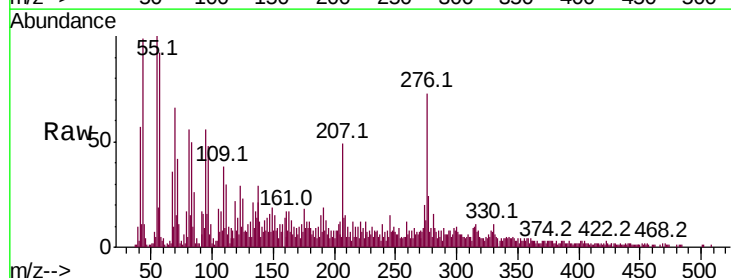
Tgt Ion:276 Resp: 57831

Ion Ratio Lower Upper

276 100

277 32.8 19.0 28.4#

138 29.2 17.8 26.6#



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

