

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
 Data File : BF114141.D
 Acq On : 11 May 2019 00:33
 Operator : JU/SJ
 Sample : K2761-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 11 04:04:15 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

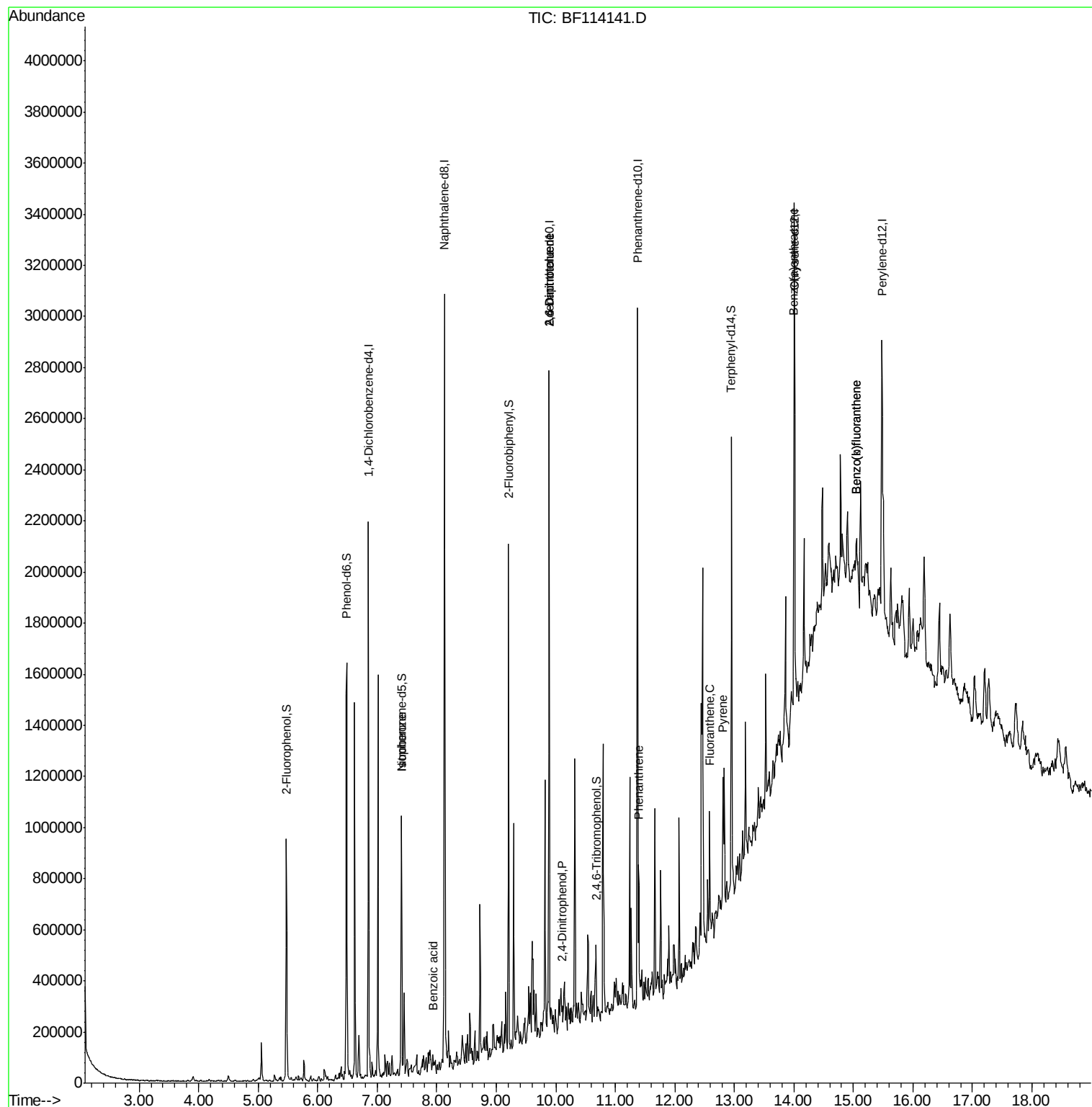
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	334096	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1222029	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	512662	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	965761	20.00	ng	0.00
76) Chrysene-d12	14.01	240	626478	20.00	ng	-0.01
87) Perylene-d12	15.48	264	514244	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	251472	12.11	ng	0.00
7) Phenol-d6	6.49	99	542066	22.08	ng	0.00
23) Nitrobenzene-d5	7.41	82	296702	13.63	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	30139	5.69	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	566853	16.73	ng	0.00
79) Terphenyl-d14	12.95	244	550049	18.10	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	289664	7.173	ng	# 65
32) Benzoic acid	7.93	122	293	7.041	ng	# 30
51) 2,6-Dinitrotoluene	9.89	165	69162	8.286	ng	# 22
54) 2,4-Dinitrophenol	10.11	184	126	6.773	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	69162	6.105	ng	# 25
71) Phenanthrene	11.39	178	192698	4.101	ng	96
75) Fluoranthene	12.58	202	210297	4.156	ng	95
78) Pyrene	12.81	202	205735	4.082	ng	97
81) Benzo(a)anthracene	14.00	228	81815	2.019	ng	# 89
88) Benzo(b)fluoranthene	15.05	252	89545	2.718	ng	# 59
89) Benzo(k)fluoranthene	15.05	252	89545	2.959	ng	# 60

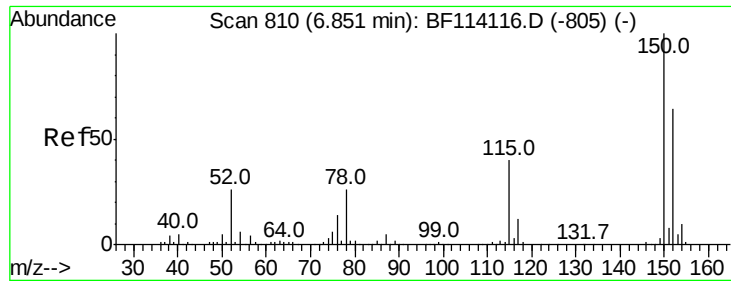
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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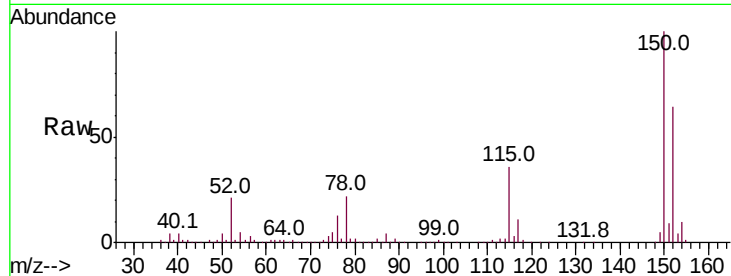


#1

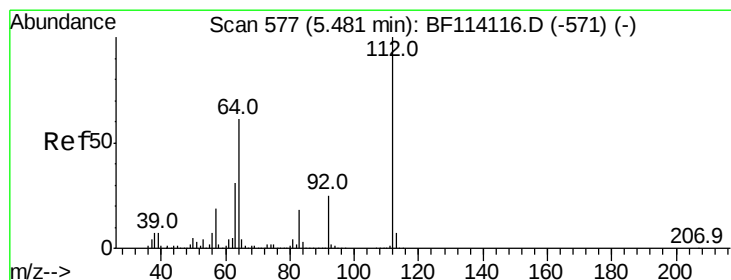
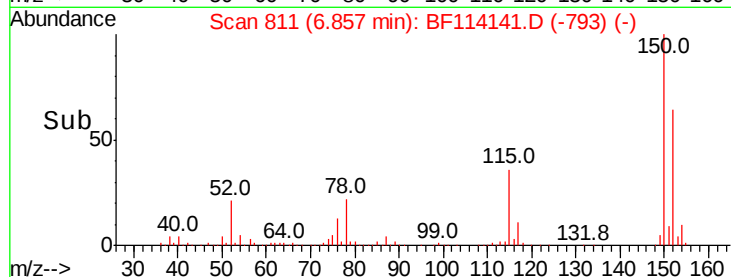
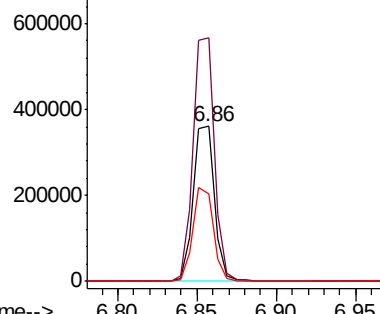
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.3	186.5
115	56.2	49.1	73.7



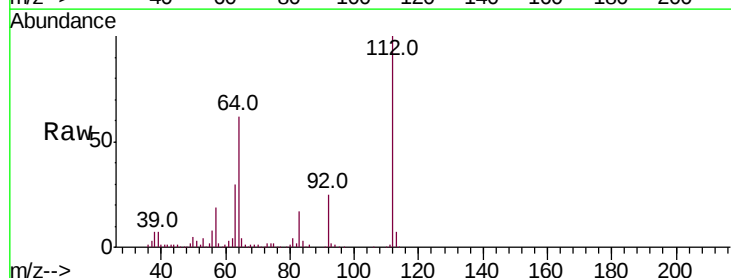
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



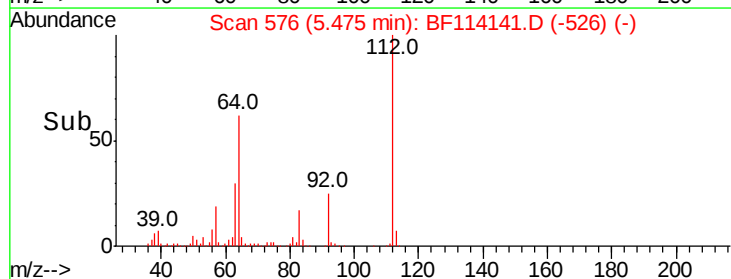
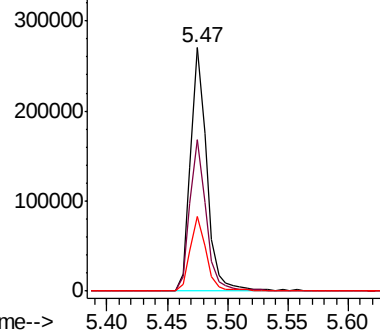
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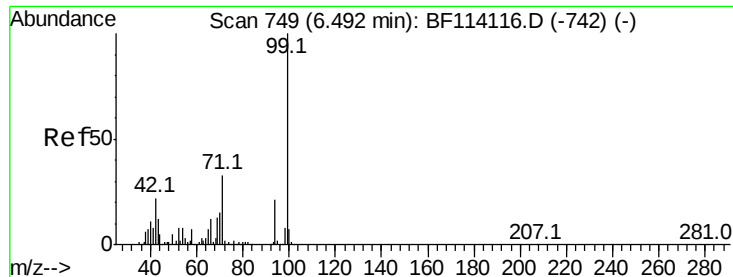
2-Fluorophenol
Concen: 12.113 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.0	73.6
63	30.5	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: 22.076 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-B

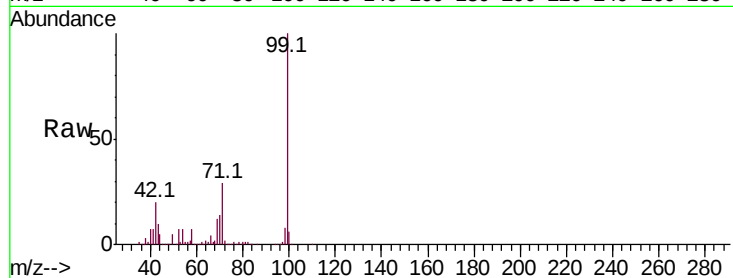
Tot Ion: 99 Resp: 542066

Ion Ratio Lower Upper

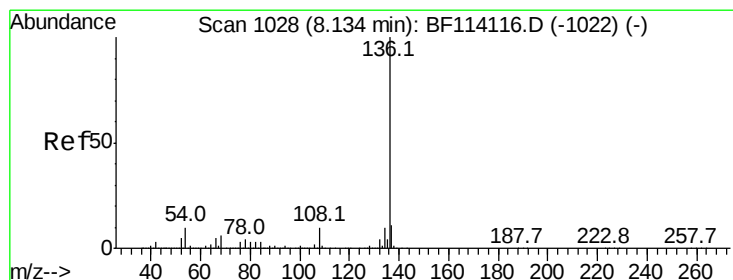
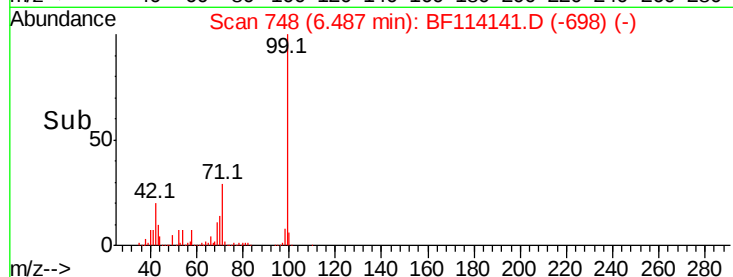
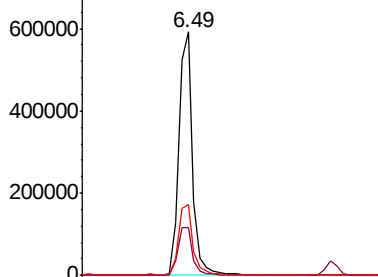
99 100

42 19.6 17.9 26.9

71 29.1 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: BF114141.D

Acq: 11 May 2019 00:33

Tgt Ion: 136 Resp: 1222029

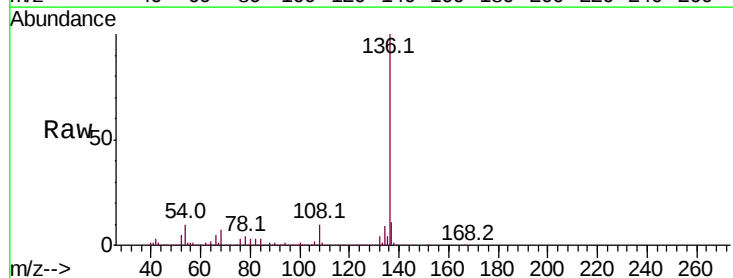
Ion Ratio Lower Upper

136 100

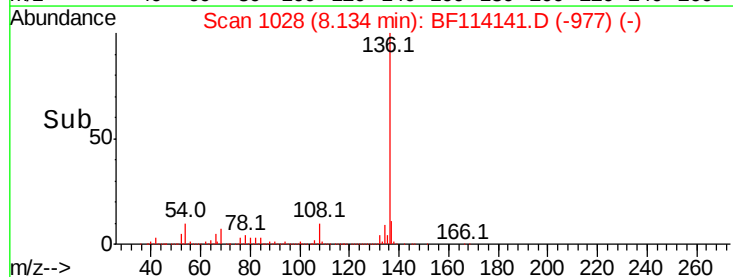
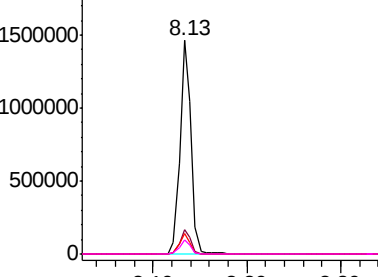
137 11.4 8.8 13.2

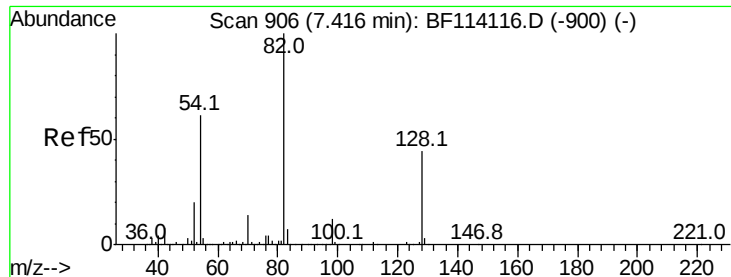
54 9.7 7.8 11.8

68 6.9 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

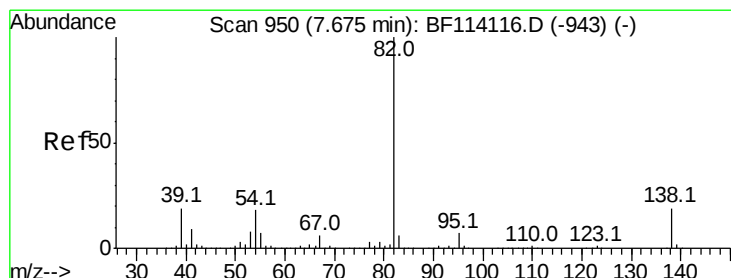
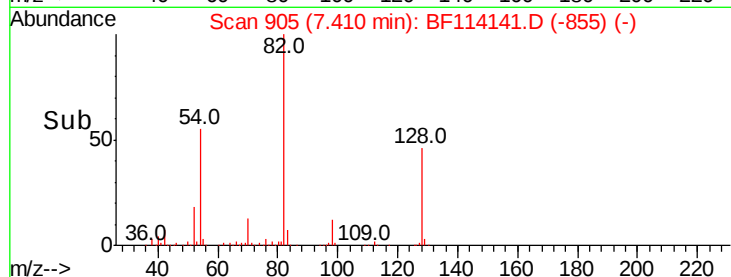
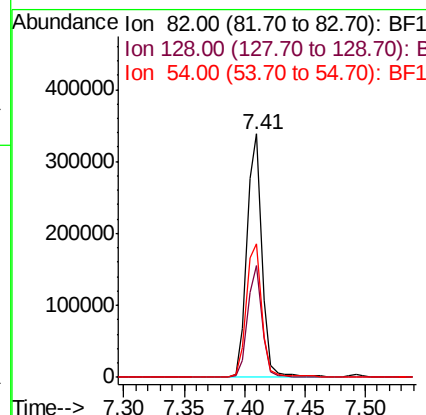
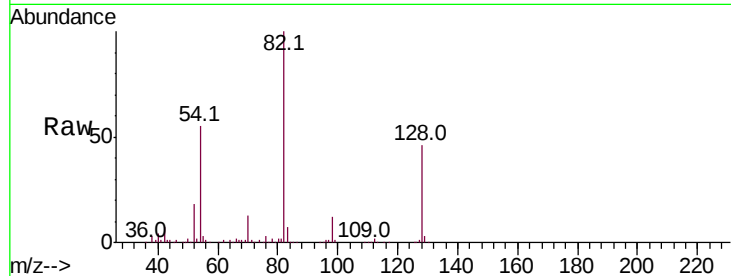




#23
 Nitrobenzene-d5
 Concen: 13.626 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

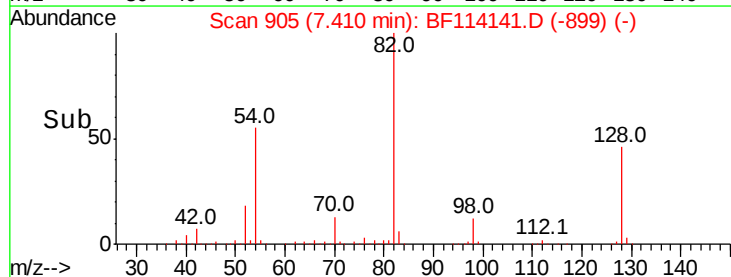
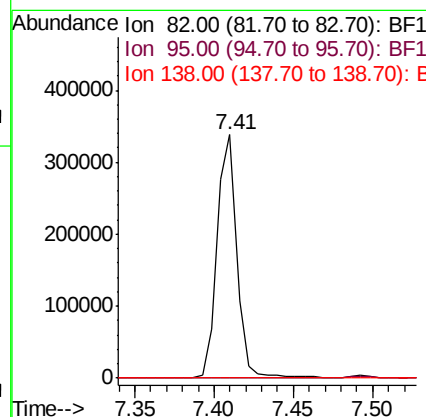
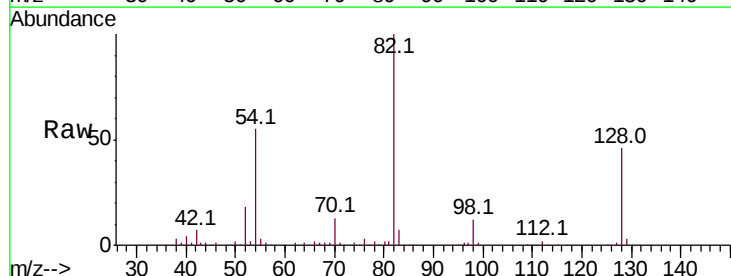
Instrument :
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 FK-SF-03-006-B

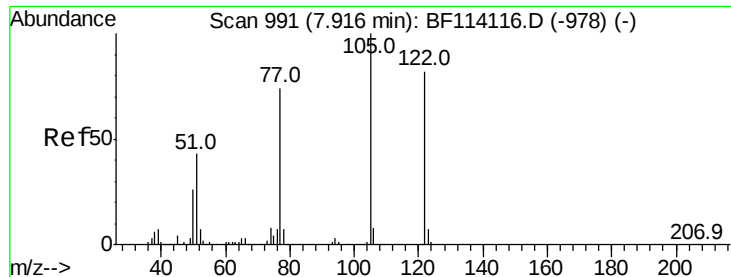
Tot Ion	82	Resp	296702
Ion Ratio	Lower	Upper	
82	100		
128	46.1	35.5	53.3
54	55.0	48.5	72.7



#25
 Isophorone
 Concen: 7.173 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

Tgt Ion	82	Resp	289664
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.6	8.4#
138	0.0	14.8	22.2#

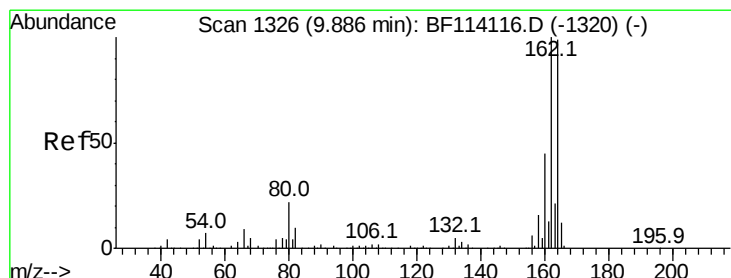
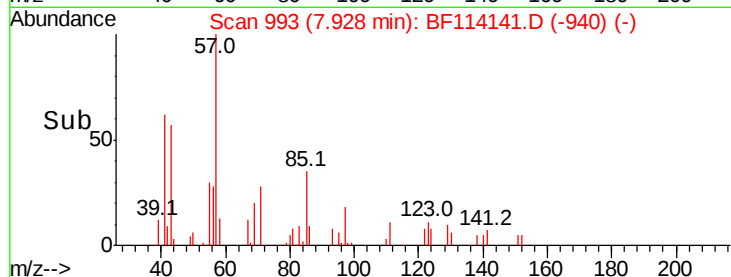
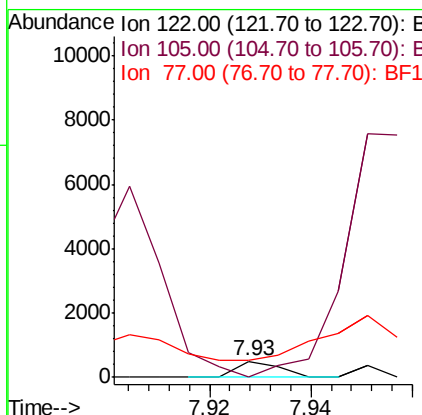
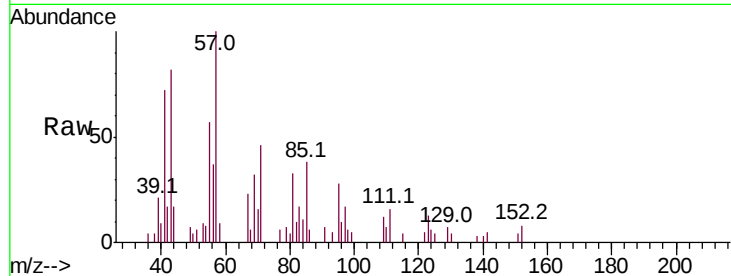




#32
Benzoic acid
Concen: 7.041 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

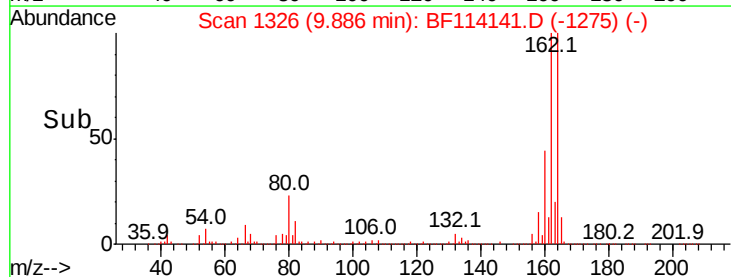
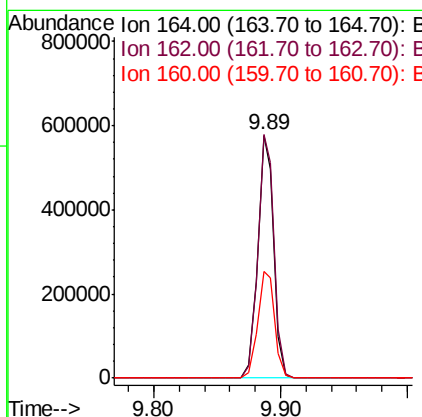
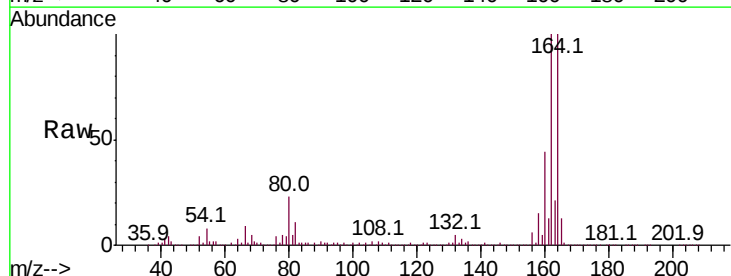
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-B

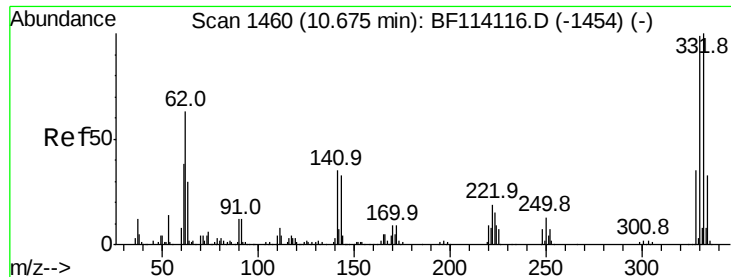
Tot Ion:122 Resp: 293
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 106.3 69.4 109.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion:164 Resp: 512662
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 44.2 36.5 54.7

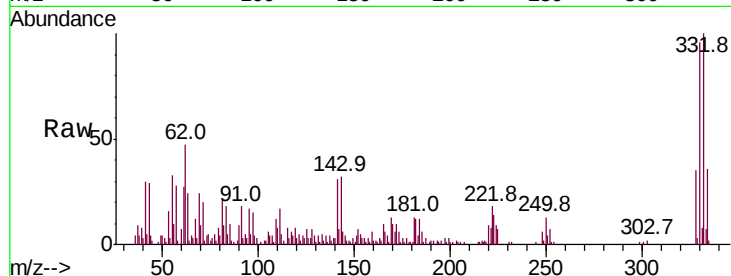




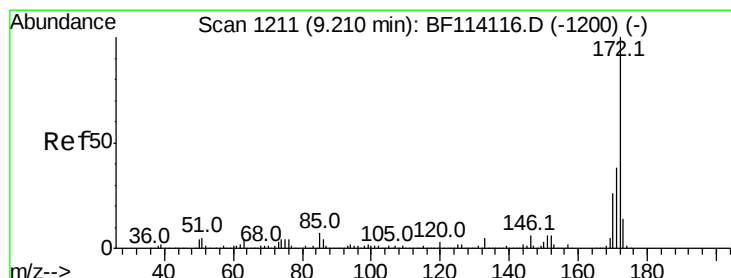
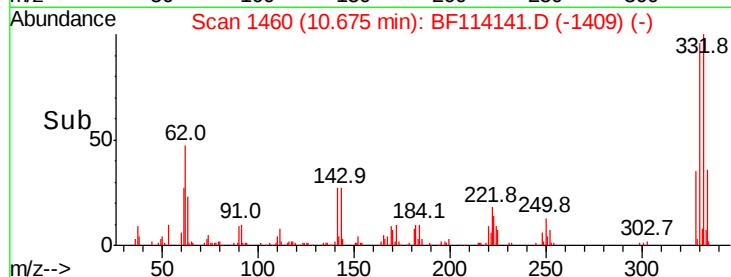
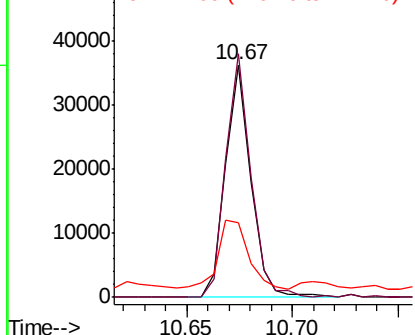
#42
 2,4,6-Tribromophenol
 Concen: 5.687 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

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

Tot Ion:330 Resp: 30139
 Ion Ratio Lower Upper
 330 100
 332 103.0 81.4 122.2
 141 35.7 26.6 40.0

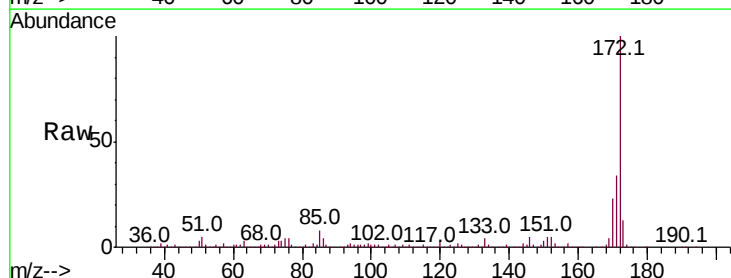


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

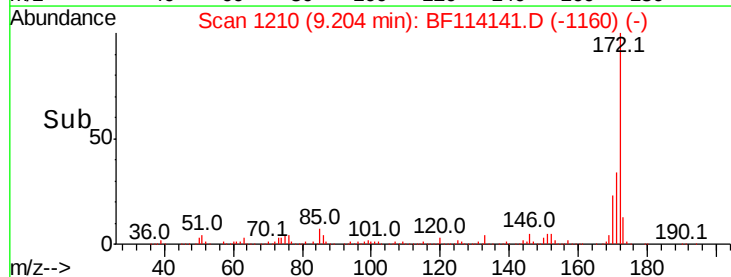
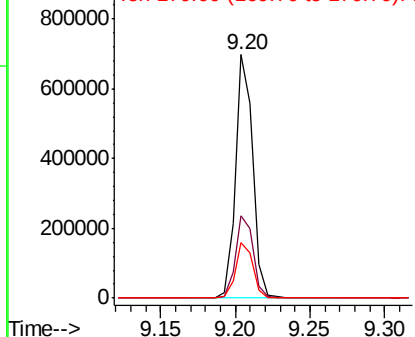


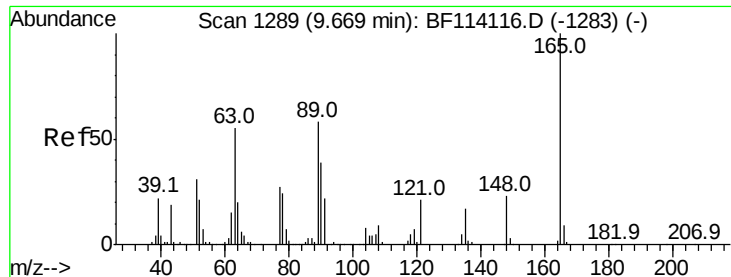
#45
 2-Fluorobiphenyl
 Concen: 16.726 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

Tgt Ion:172 Resp: 566853
 Ion Ratio Lower Upper
 172 100
 171 33.7 30.7 46.1
 170 22.6 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





#51

2,6-Dinitrotoluene

Concen: 8.286 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.22 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-B

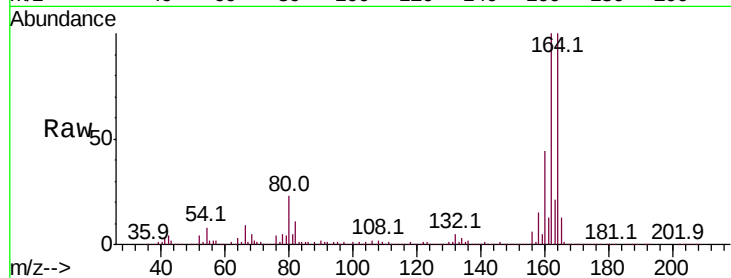
Tot Ion:165 Resp: 69162

Ion Ratio Lower Upper

165 100

63 1.4 50.2 75.4#

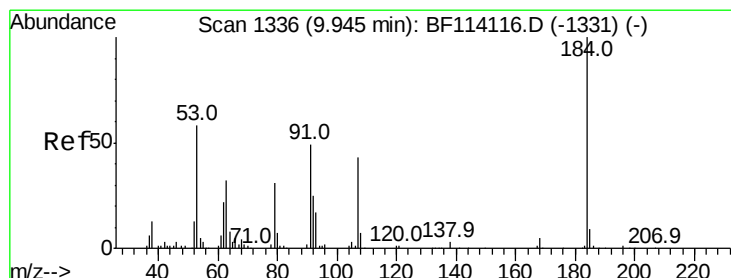
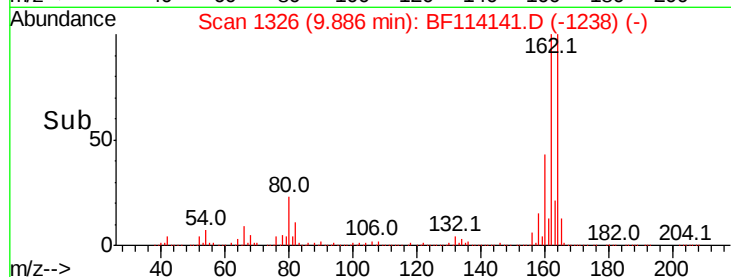
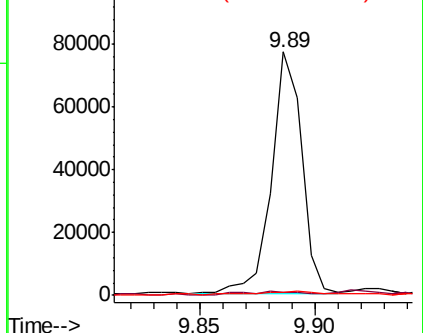
89 1.2 46.6 69.8#



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



#54

2,4-Dinitrophenol

Concen: 6.773 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.16 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

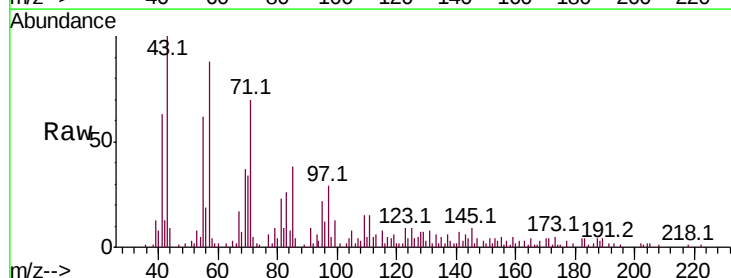
Tgt Ion:184 Resp: 126

Ion Ratio Lower Upper

184 100

63 161.8 55.6 83.4#

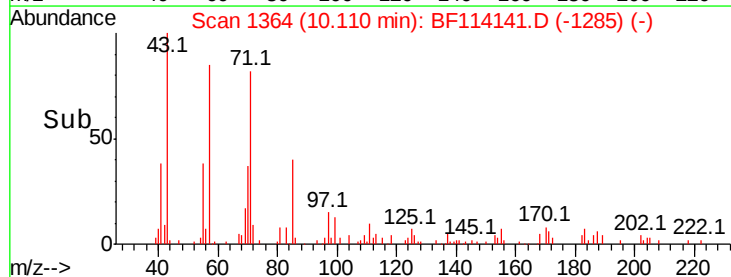
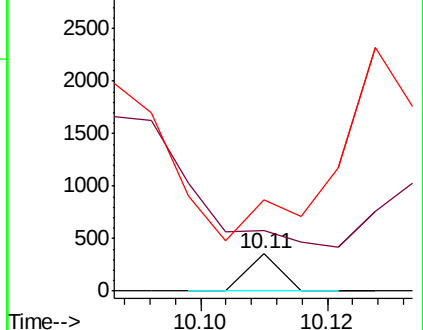
154 245.2 46.0 69.0#

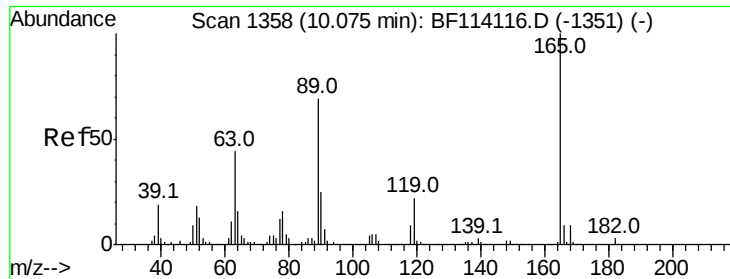


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

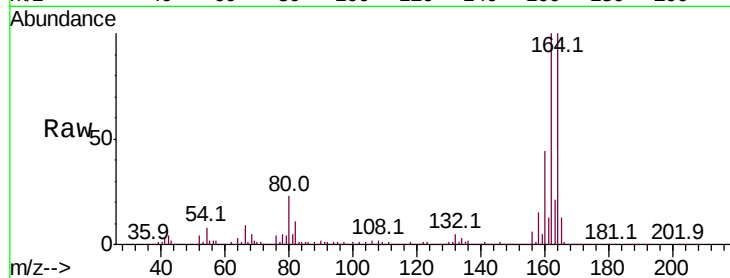




#57
 2,4-Dinitrotoluene
 Concen: 6.105 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	35.5	53.3#
89	1.2	55.2	82.8#
182	0.7	2.2	3.2#



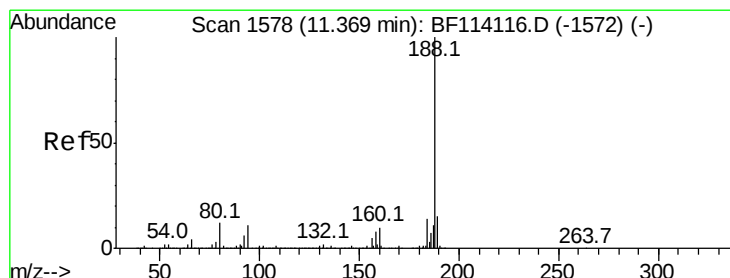
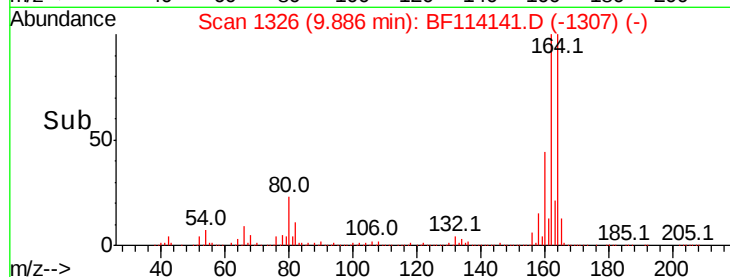
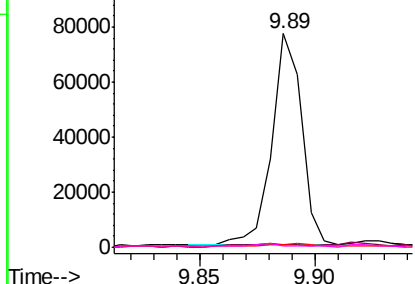
Abundance

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# 1579
 Delta R.T. 0.01 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

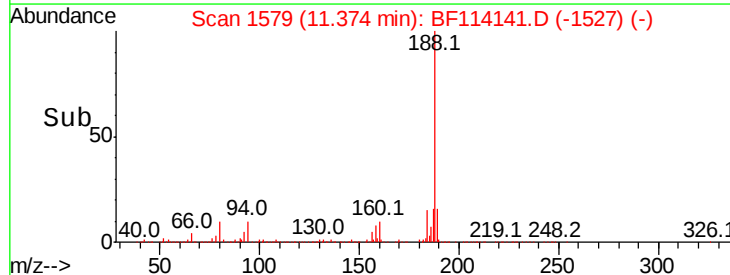
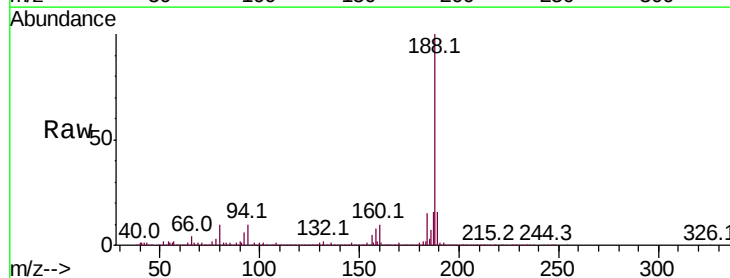
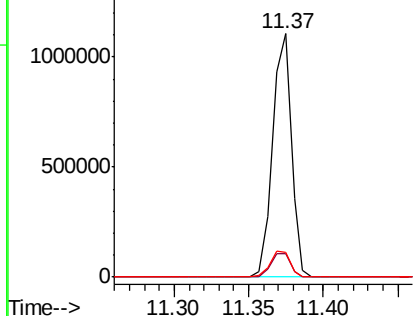
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.4	12.6
80	10.1	9.2	13.8

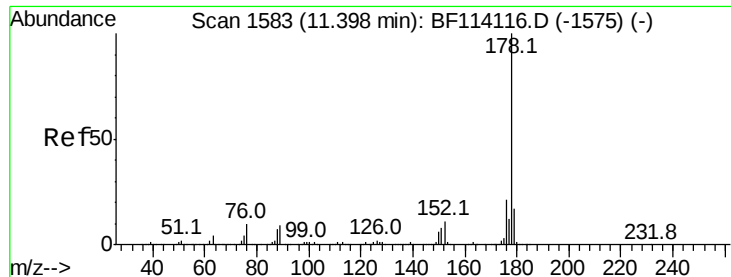
Abundance

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

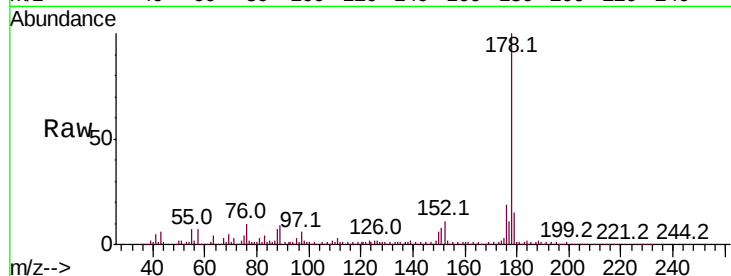




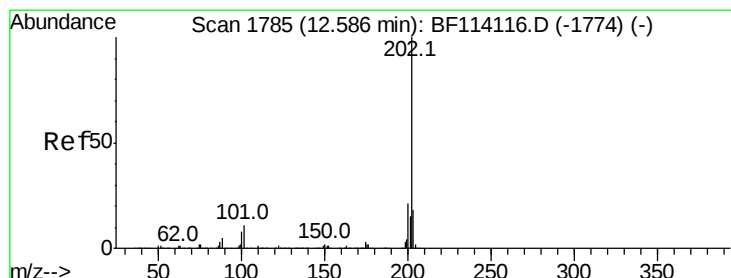
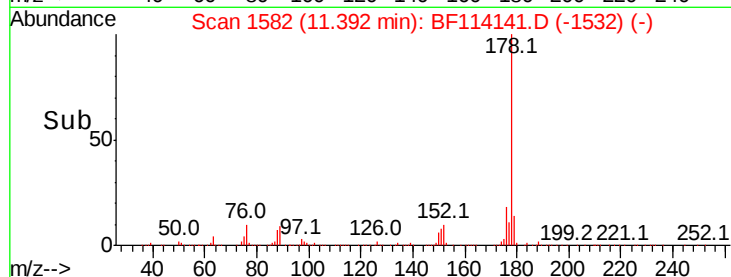
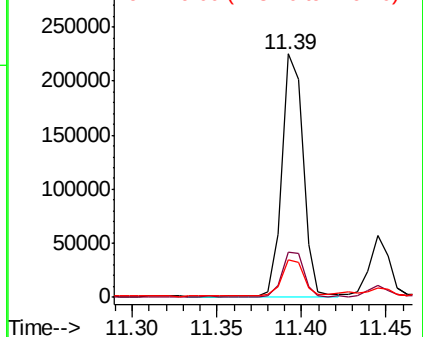
#71
Phenanthrene
Concen: 4.101 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

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

Tot Ion:178 Resp: 192698
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 15.3 13.2 19.8

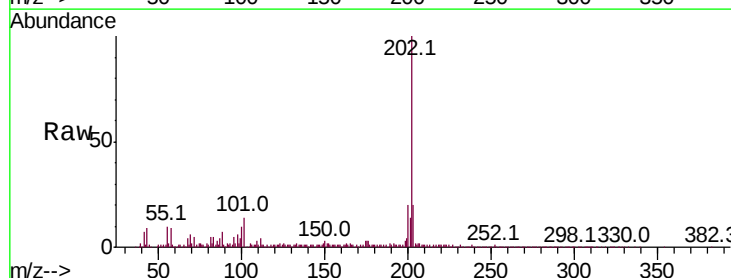


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

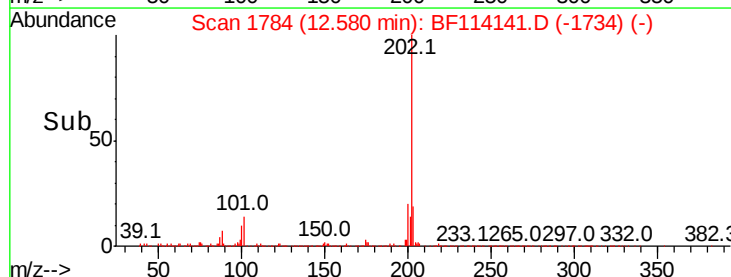
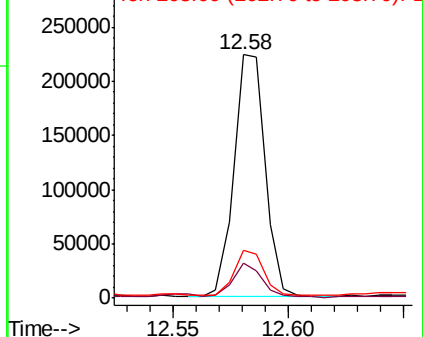


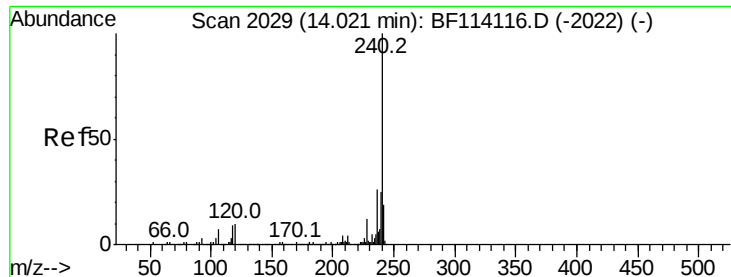
#75
Fluoranthene
Concen: 4.156 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion:202 Resp: 210297
Ion Ratio Lower Upper
202 100
101 14.4 0.0 31.0
203 19.6 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

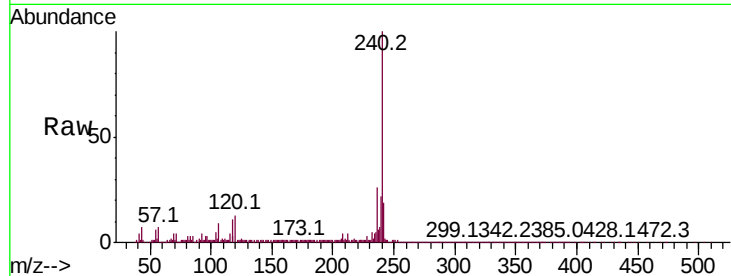




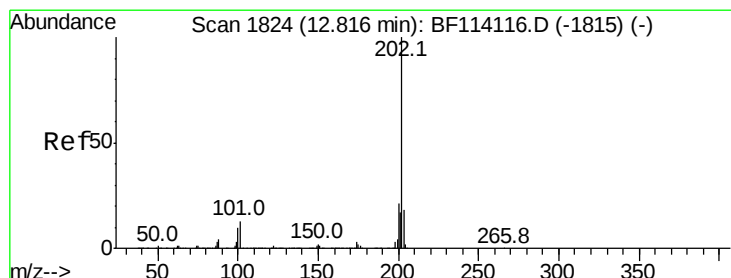
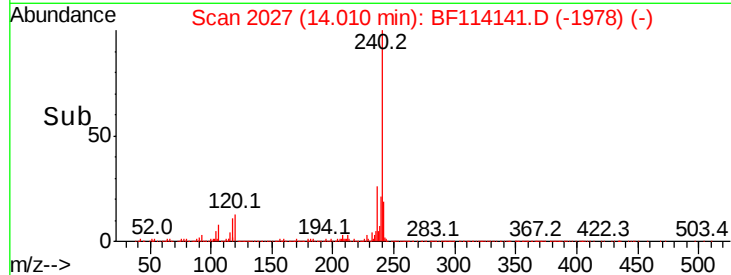
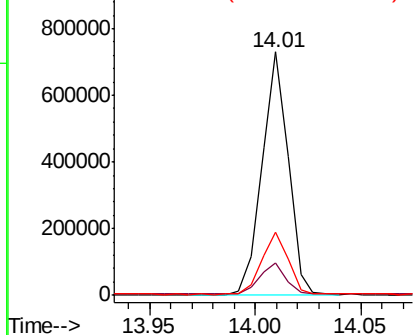
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

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

Tot Ion:240 Resp: 626478
 Ion Ratio Lower Upper
 240 100
 120 13.3 8.3 12.5#
 236 26.0 20.8 31.2

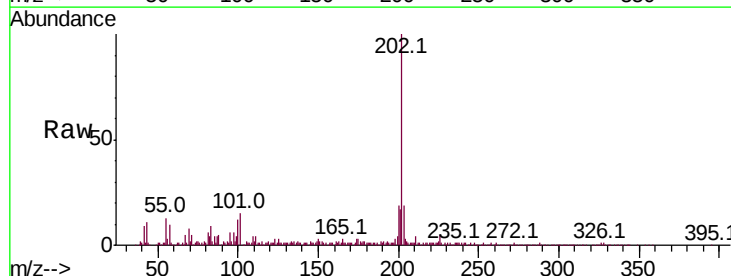


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

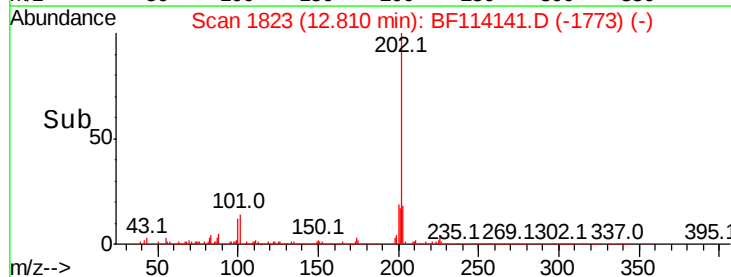
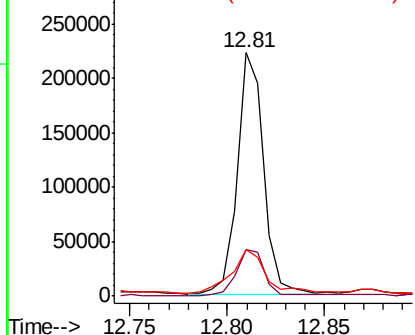


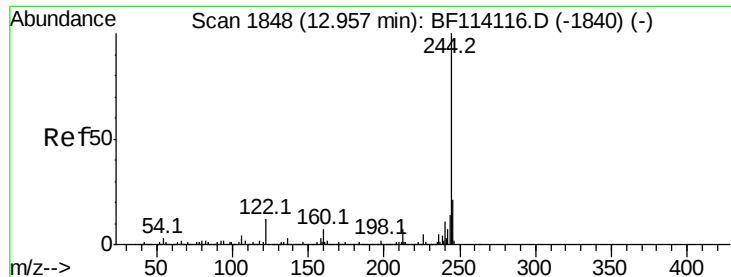
#78
 Pyrene
 Concen: 4.082 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF114141.D
 Acq: 11 May 2019 00:33

Tgt Ion:202 Resp: 205735
 Ion Ratio Lower Upper
 202 100
 200 19.0 16.9 25.3
 203 19.1 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: 18.099 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-B

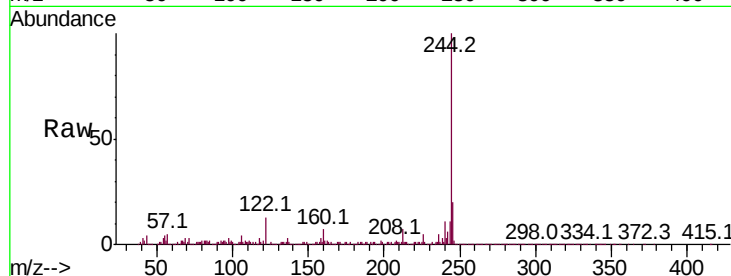
Tot Ion:244 Resp: 550049

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

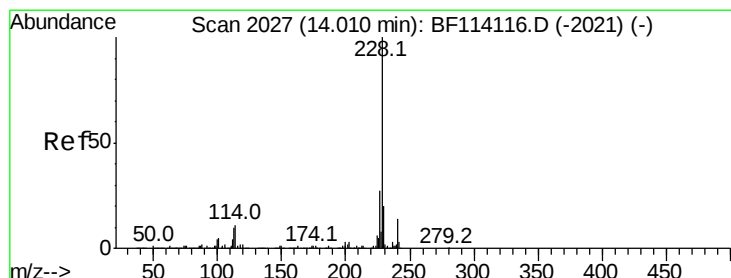
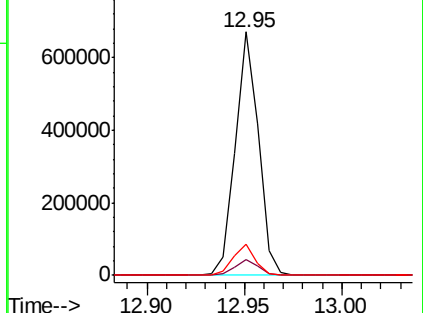
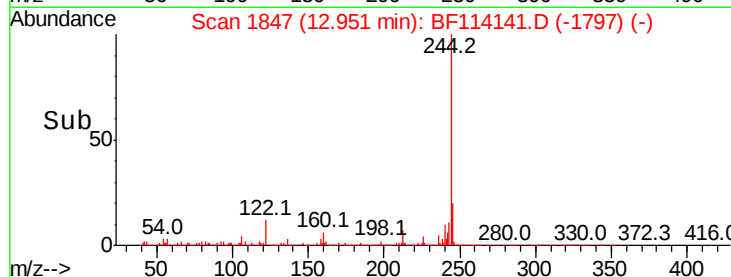
122 12.6 9.4 14.2



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: 2.019 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

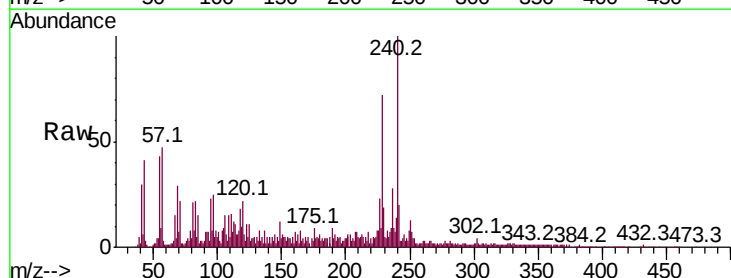
Tgt Ion:228 Resp: 81815

Ion Ratio Lower Upper

228 100

226 32.6 22.2 33.2

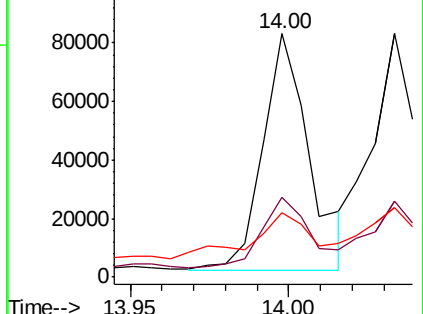
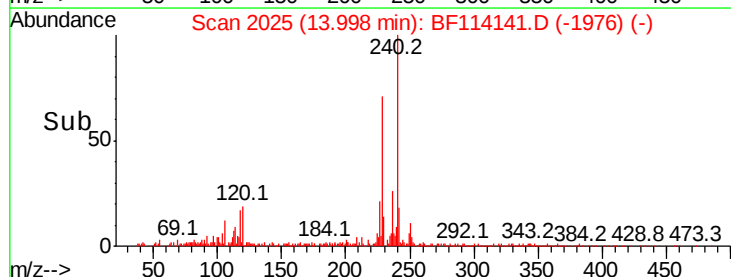
229 26.3 16.4 24.6#

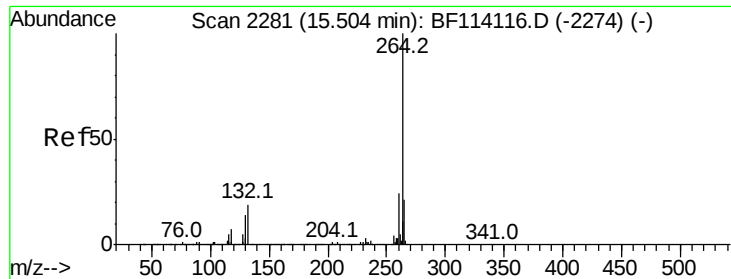


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

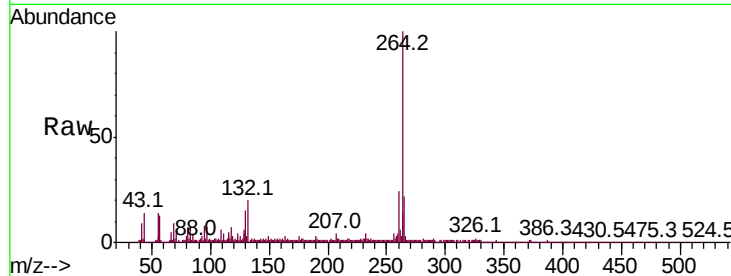




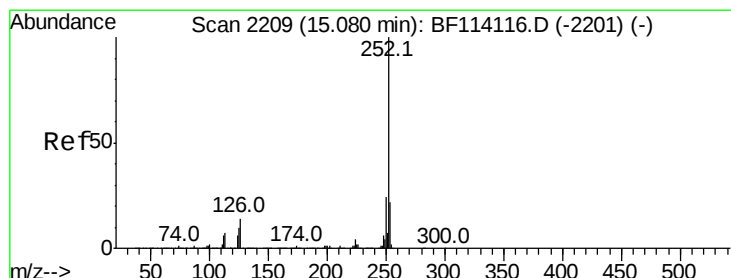
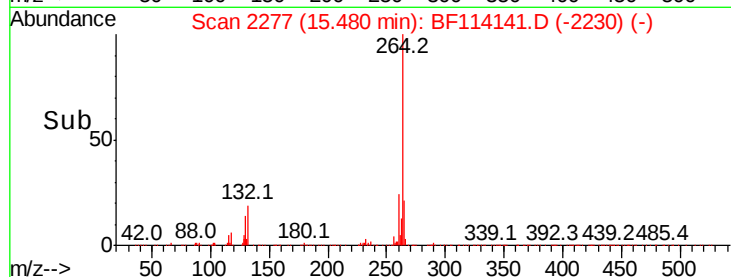
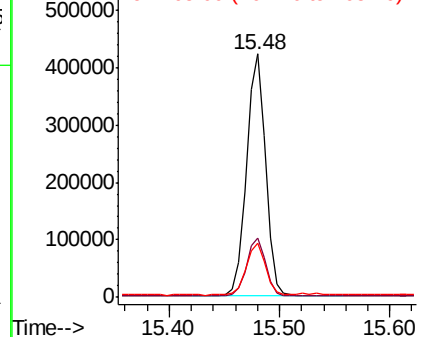
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.1	16.9	25.3

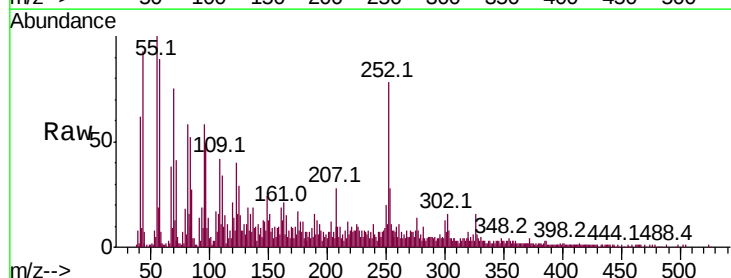


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

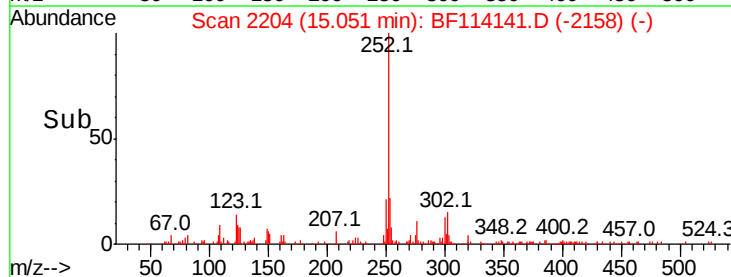
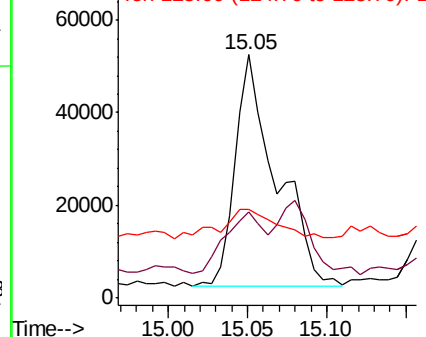


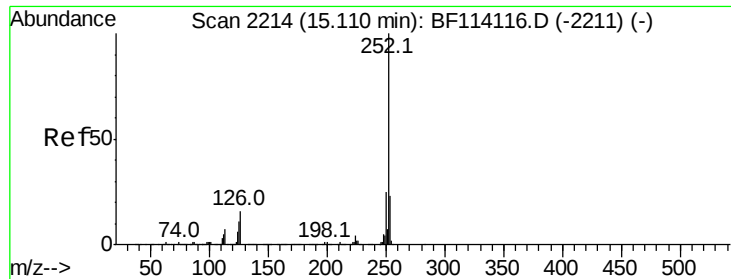
#88
Benzo(b)fluoranthene
Concen: 2.718 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.8	26.8#
125	36.7	8.3	12.5#



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: 2.959 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.06 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-B

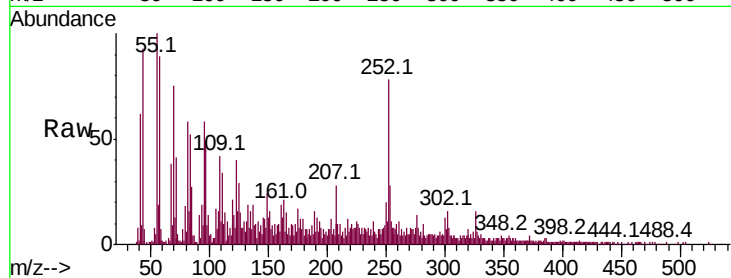
Tot Ion:252 Resp: 89545

Ion Ratio Lower Upper

252 100

253 35.3 18.2 27.2#

125 36.7 8.6 13.0#



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

