

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114820.D
 Acq On : 5 Jun 2019 14:51
 Operator : HP/JU
 Sample : K3173-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-004-B

Manual Integrations
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Quant Time: Jun 06 05:31:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	428012	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1589188	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	738359	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1336936	20.00	ng	0.00
76) Chrysene-d12	13.80	240	725321	20.00	ng	0.00
87) Perylene-d12	15.20	264	602791	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	639695	26.12	ng	0.00
7) Phenol-d6	6.30	99	1818310	61.01	ng	0.00
23) Nitrobenzene-d5	7.23	82	1185960	45.94	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	84894	10.67	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2270352	57.60	ng	0.00
79) Terphenyl-d14	12.76	244	2144901	57.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	449624	6.284	ng	94
37) 2-Methylnaphthalene	8.66	142	259597	5.231	ng	98
38) 1-Methylnaphthalene	8.76	142	207640	4.412	ng	99
50) Dimethylphthalate	9.42	163	344949	6.397	ng	98
52) Acenaphthene	9.73	154	169973	3.848	ng	98
55) Dibenzofuran	9.90	168	178267	2.902	ng	# 92
71) Phenanthrene	11.20	178	1796209	28.143	ng	98
72) Anthracene	11.24	178	433977	6.461	ng	95
73) Carbazole	11.40	167	192876	3.350	ng	95
75) Fluoranthene	12.38	202	1652042	24.869	ng	98
78) Pyrene	12.61	202	1511343	24.019	ng	96
81) Benzo(a)anthracene	13.79	228	516707	9.245	ng	97
83) Chrysene	13.83	228	552385	10.159	ng	96
86) Indeno(1,2,3-cd)pyrene	16.52	276	177314	2.858	ng	95
88) Benzo(b)fluoranthene	14.81	252	467412m	12.180	ng	
89) Benzo(k)fluoranthene	14.83	252	122388m	3.756	ng	
90) Benzo(a)pyrene	15.14	252	308865	9.299	ng	# 81
92) Benzo(g,h,i)perylene	16.92	276	169367	5.354	ng	# 84

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

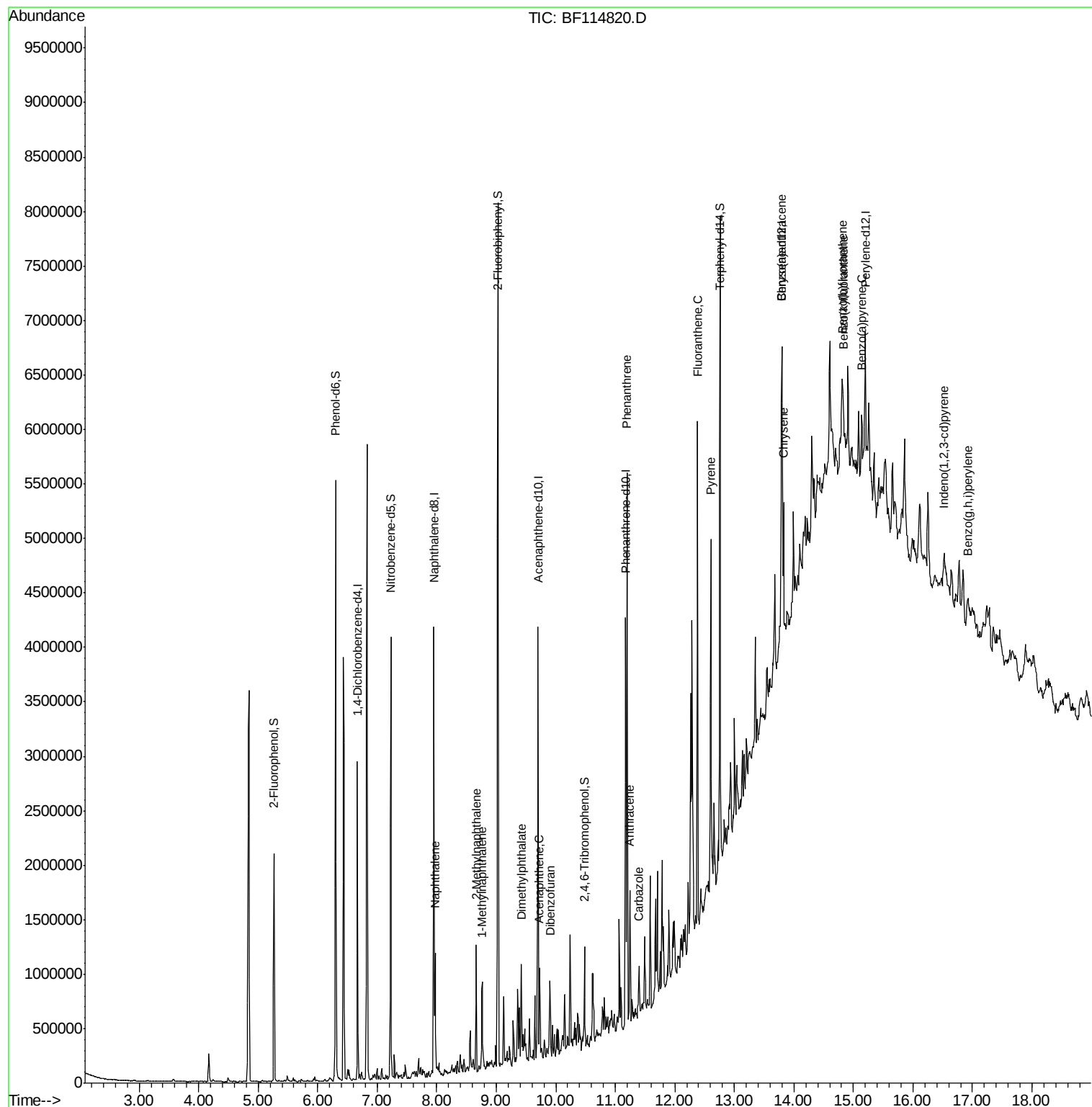
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114820.D
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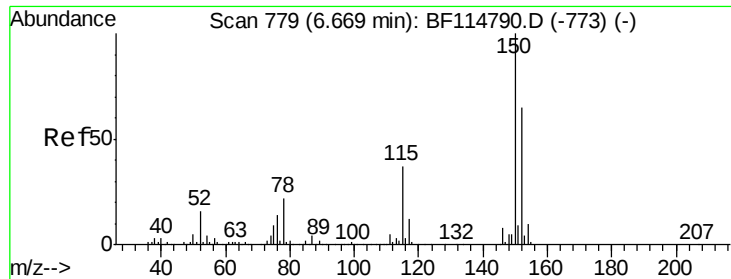
Instrument :
BNA_F
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FK-SF-02-004-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

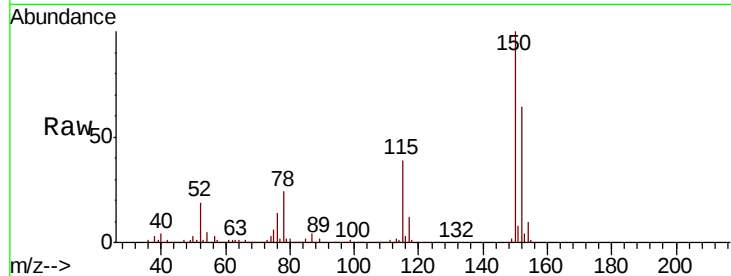
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.0	186.0
115	60.6	46.3	69.5

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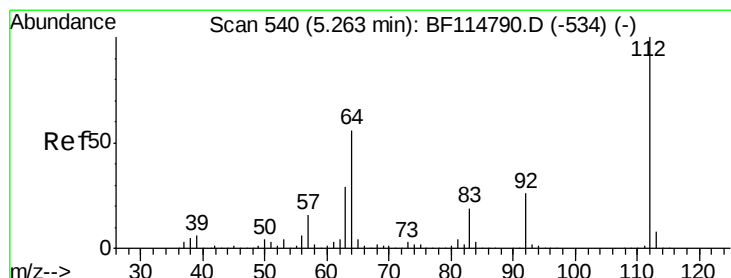
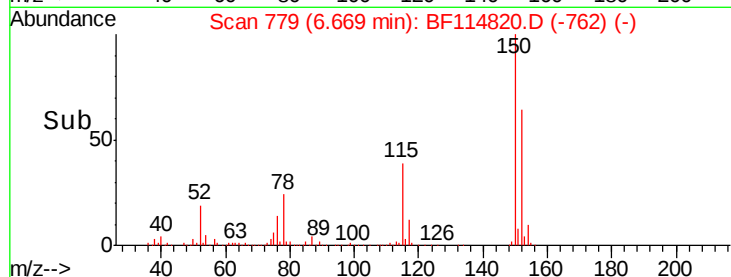
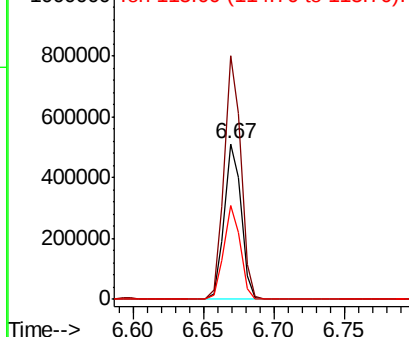


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

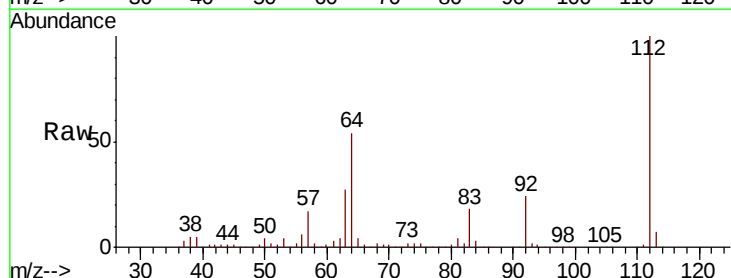
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.115 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.6	66.8
63	27.2	23.0	34.4

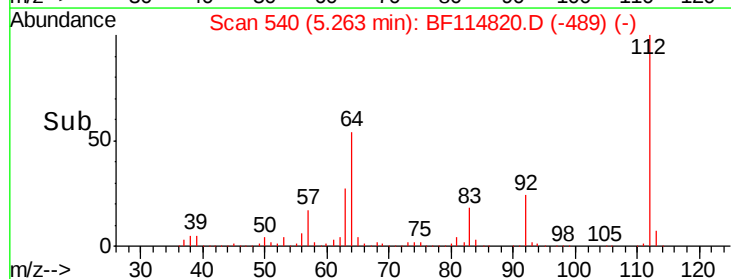
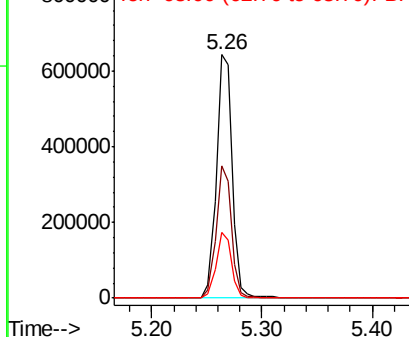


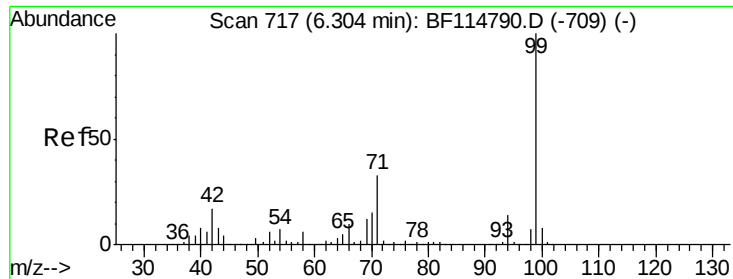
Abundance

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: 61.006 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-004-B

Tot Ion: 99 Resp: 1818310

Ion Ratio Lower Upper

99 100

42 16.7 13.3 19.9

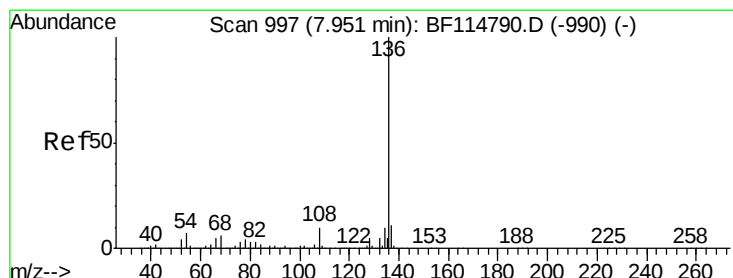
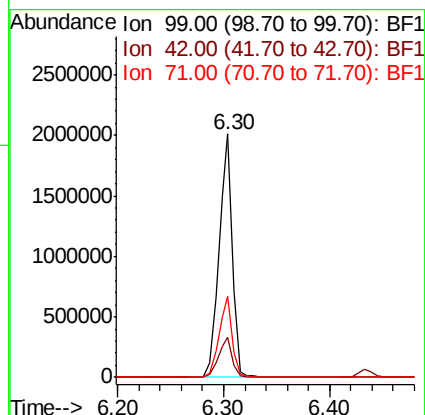
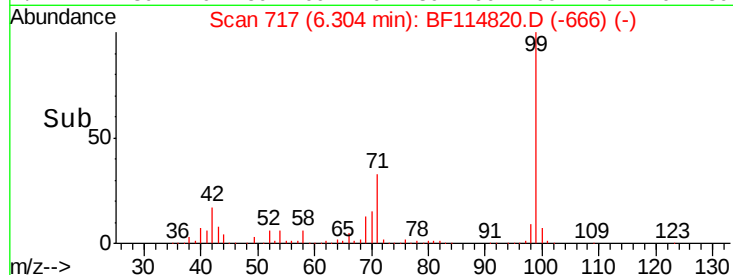
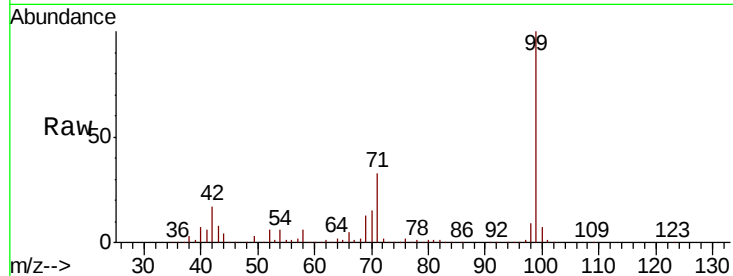
71 33.1 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Tgt Ion: 136 Resp: 1589188

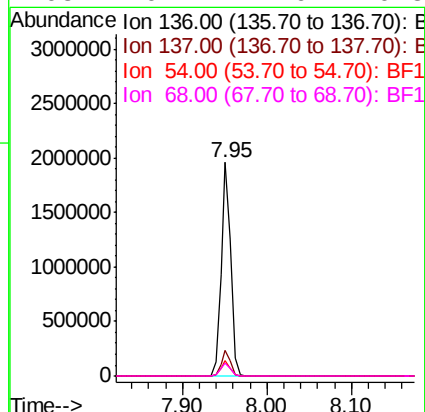
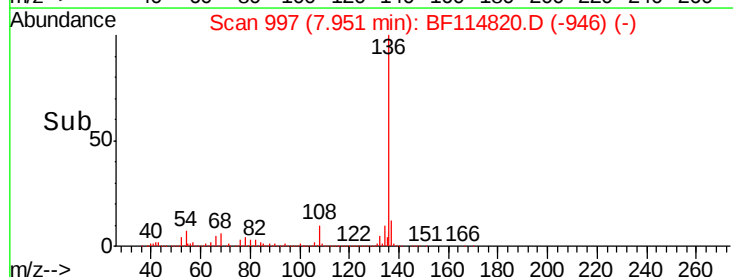
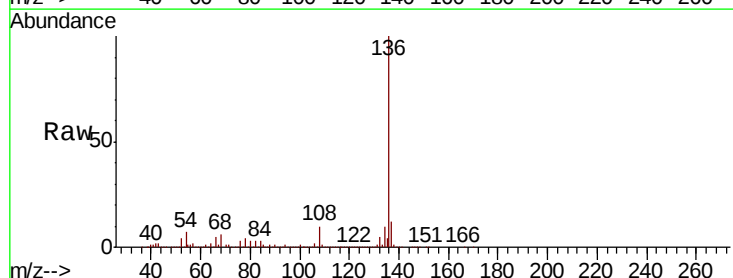
Ion Ratio Lower Upper

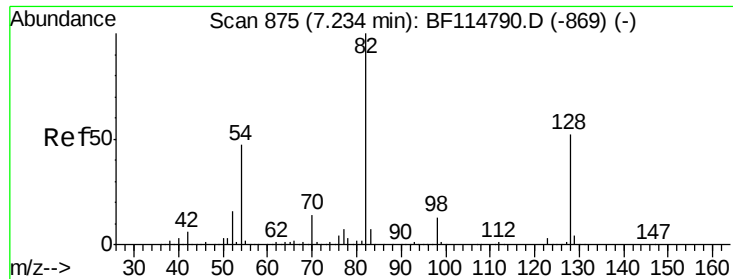
136 100

137 11.9 9.1 13.7

54 7.2 5.4 8.0

68 6.2 4.6 6.8





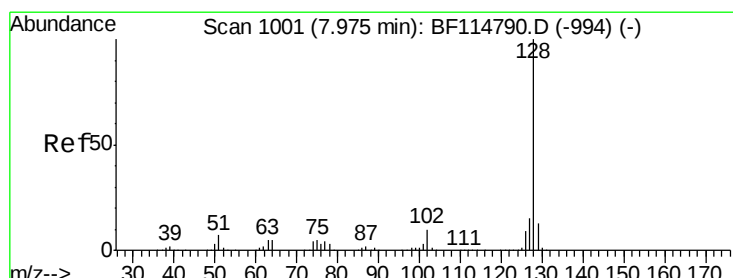
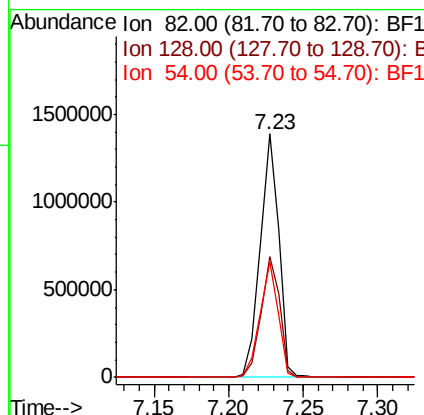
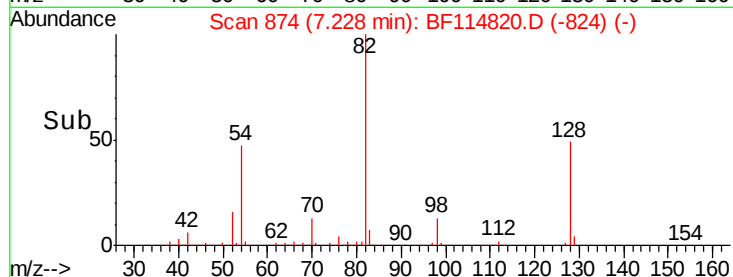
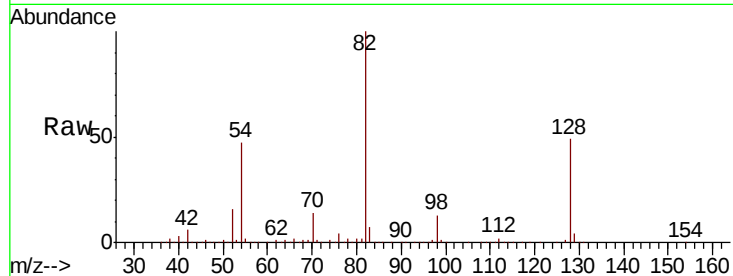
#23
Nitrobenzene-d5
Concen: 45.939 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	41.8	62.6
54	47.3	37.9	56.9

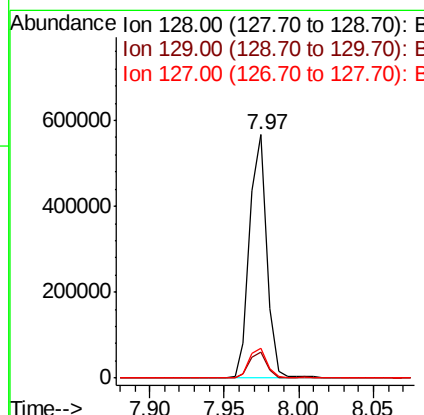
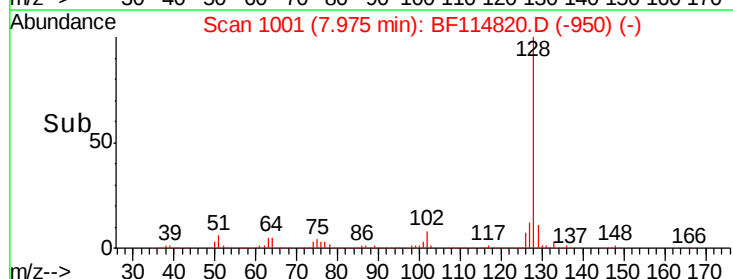
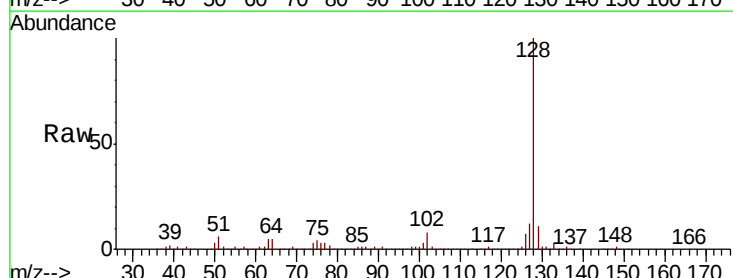
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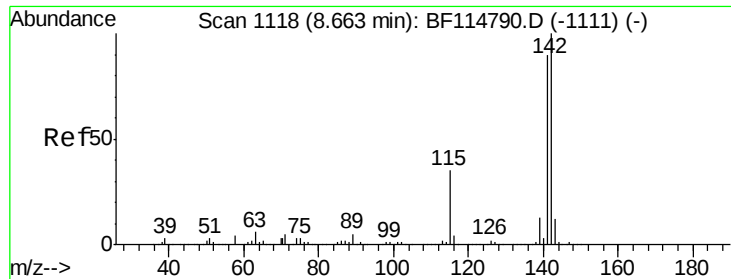
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#31
Naphthalene
Concen: 6.284 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.0	15.0
127	12.3	12.2	18.2





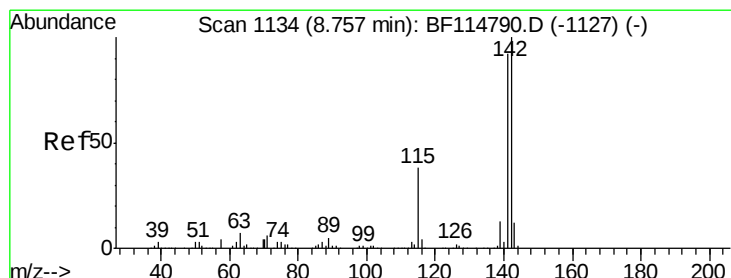
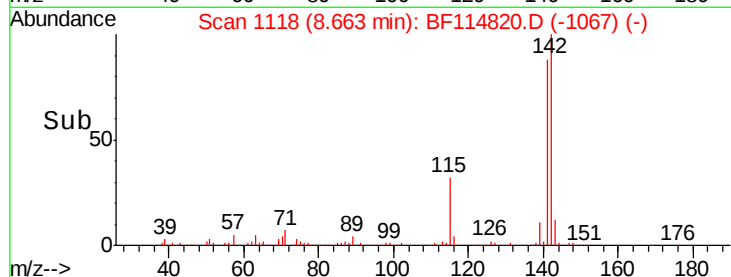
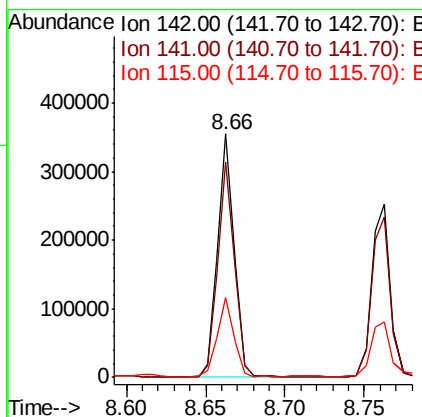
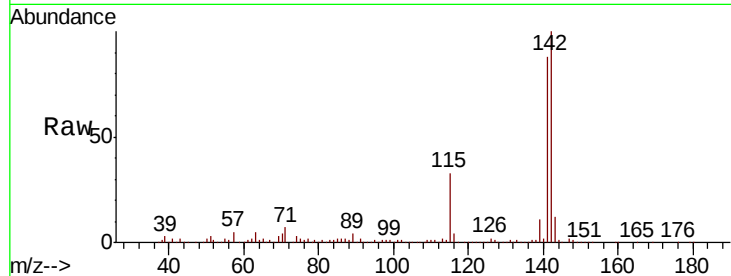
#37
2-Methylnaphthalene
Concen: 5.231 ng
RT: 8.66 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.6	107.4
115	32.7	28.2	42.4

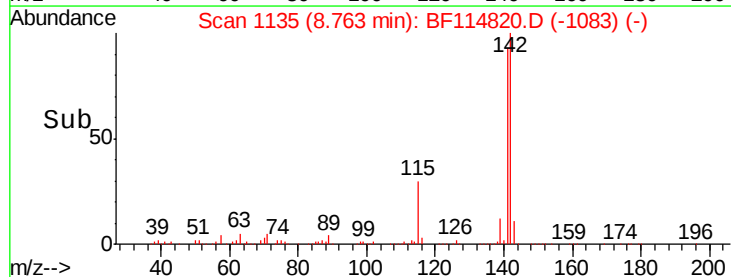
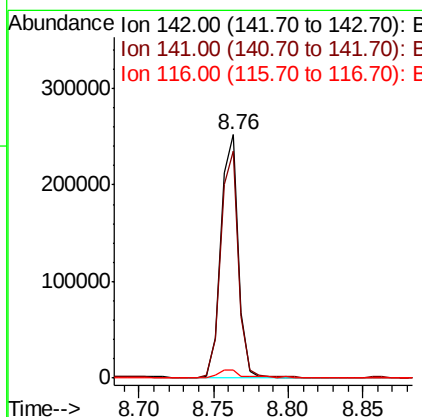
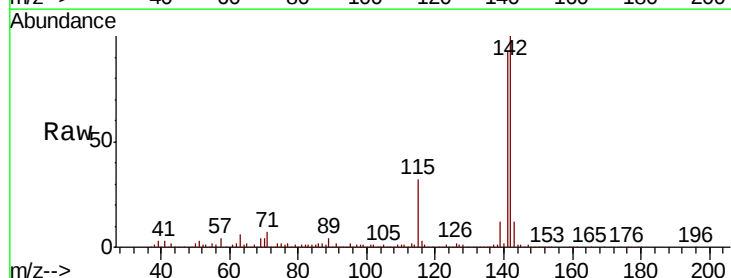
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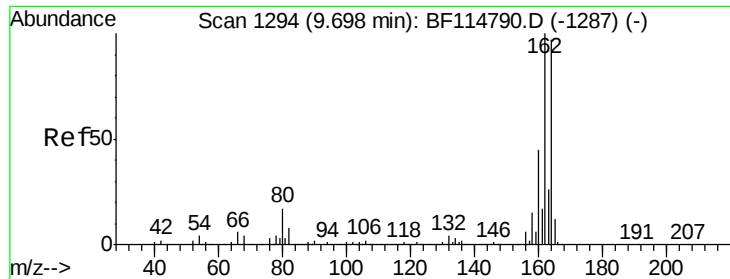
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#38
1-Methylnaphthalene
Concen: 4.412 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.8	110.6
116	3.5	3.3	4.9





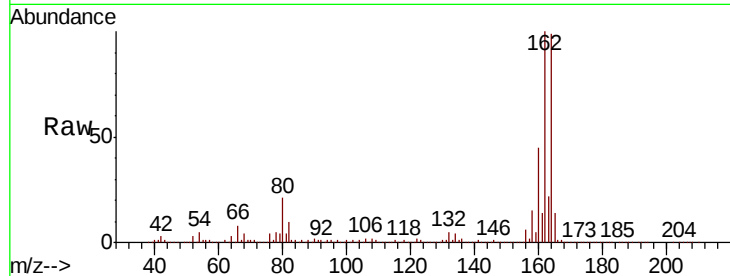
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.3	123.5
160	46.0	36.7	55.1

Manual Integrations
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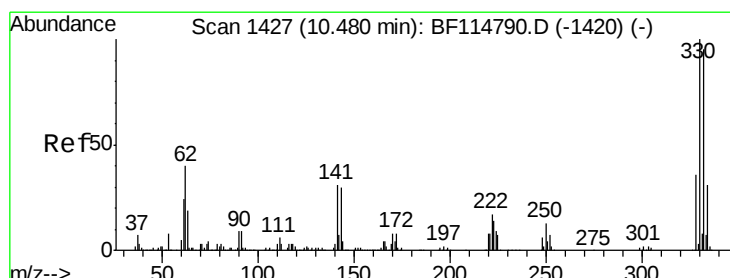
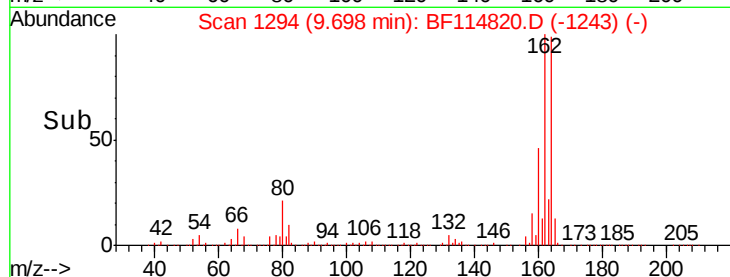
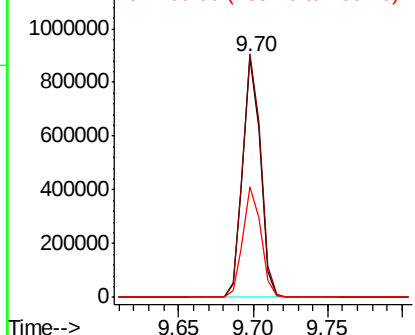


Abundance

Ion 164.00 (163.70 to 164.70): E

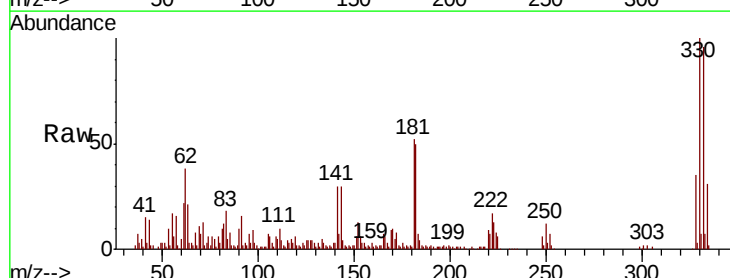
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 10.669 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.3	115.9
141	37.4	26.2	39.4

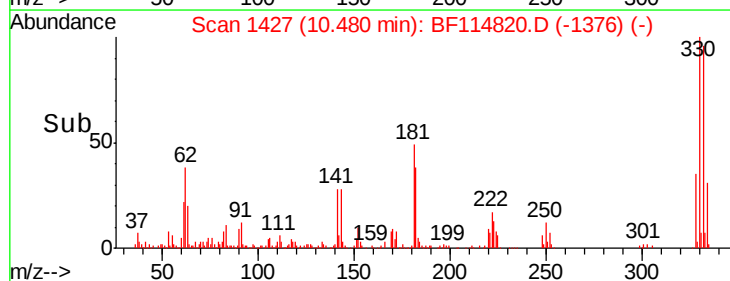
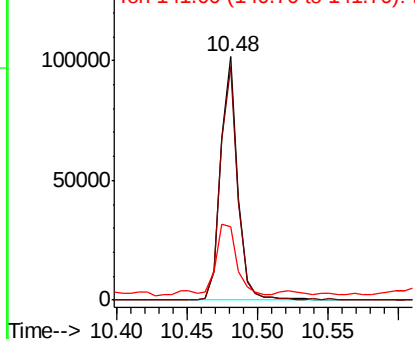


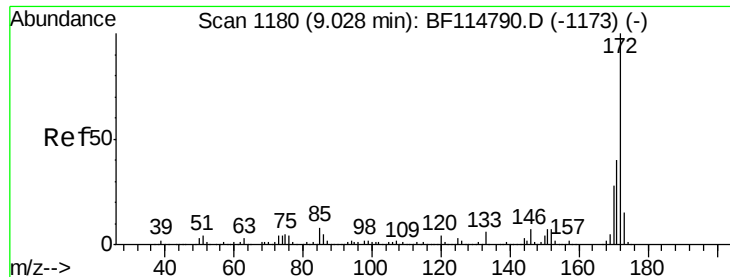
Abundance

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





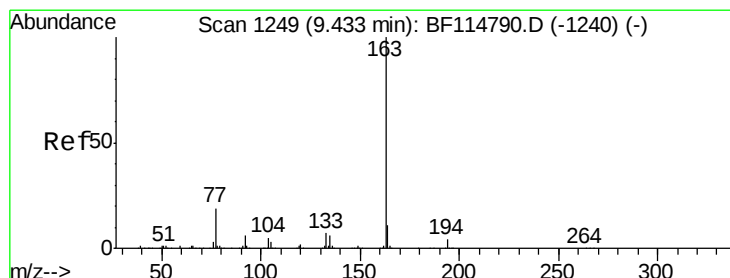
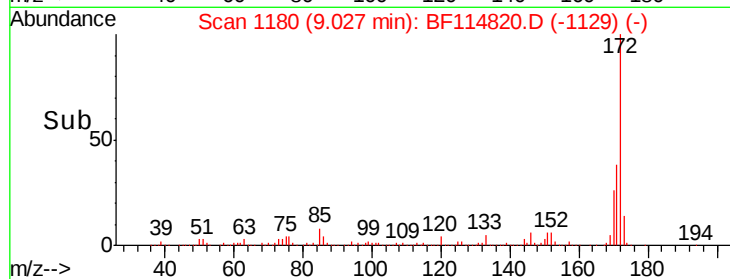
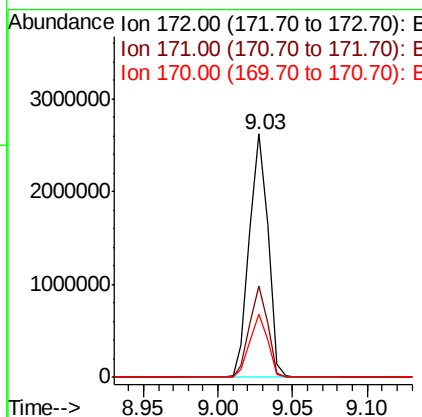
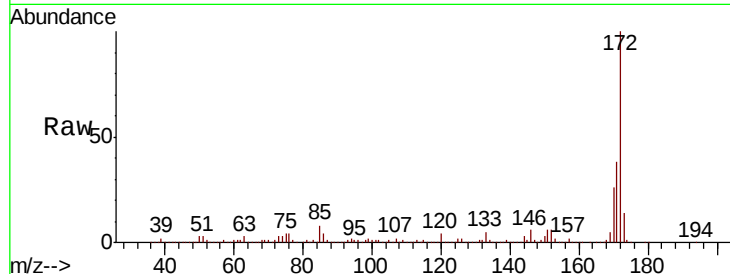
#45
2-Fluorobiphenyl
Concen: 57.601 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	32.3	48.5
170	25.8	22.4	33.6

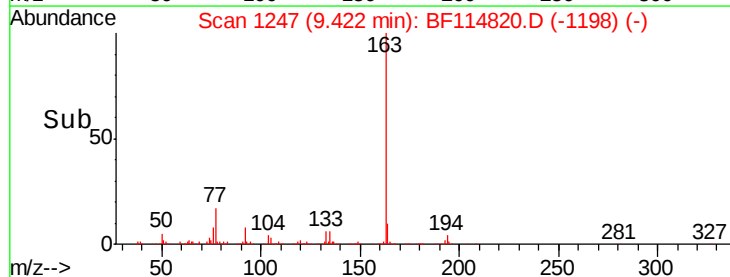
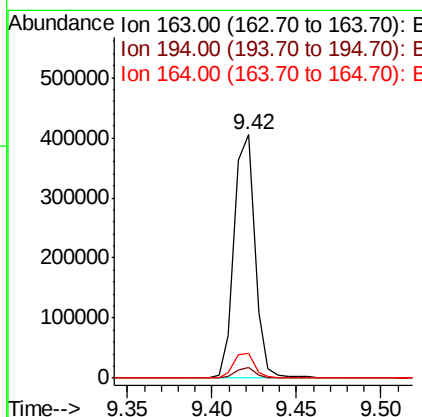
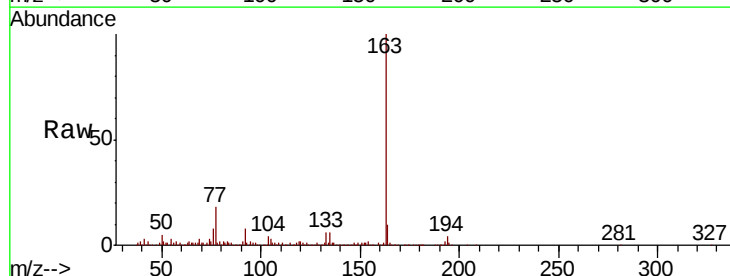
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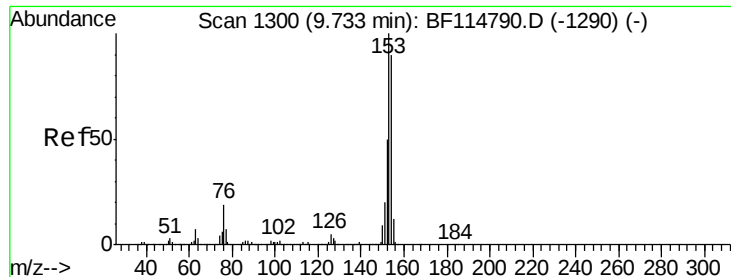
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#50
Dimethylphthalate
Concen: 6.397 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.6	13.0





#52

Acenaphthene

Concen: 3.848 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

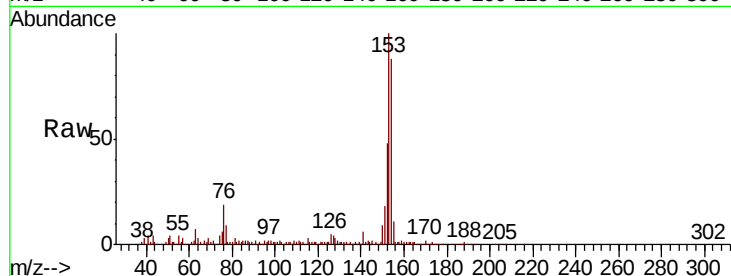
ClientSampleId :

FK-SF-02-004-B

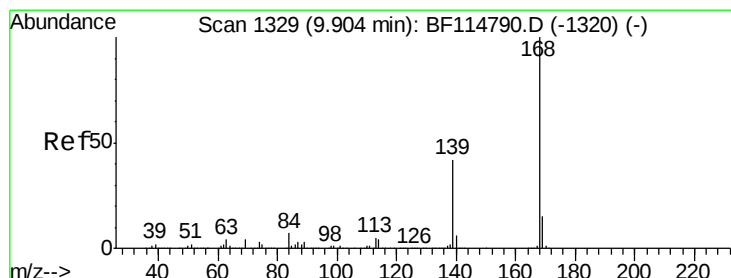
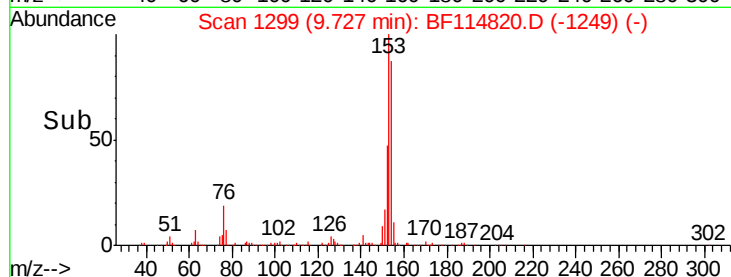
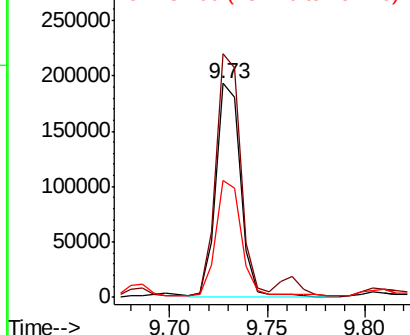
Tot Ion:	154	Resp:	169973
Ion Ratio	Lower	Upper	
154	100		
153	113.9	88.5	132.7
152	54.5	44.1	66.1

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.902 ng

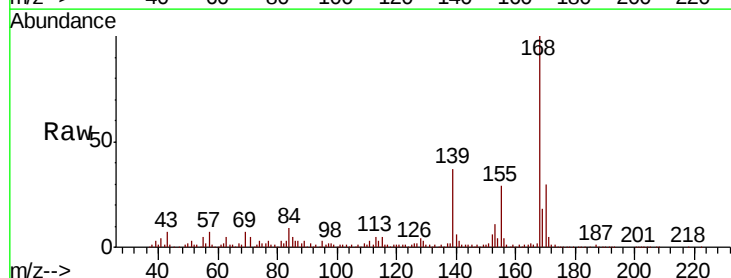
RT: 9.90 min Scan# 1329

Delta R.T. -0.00 min

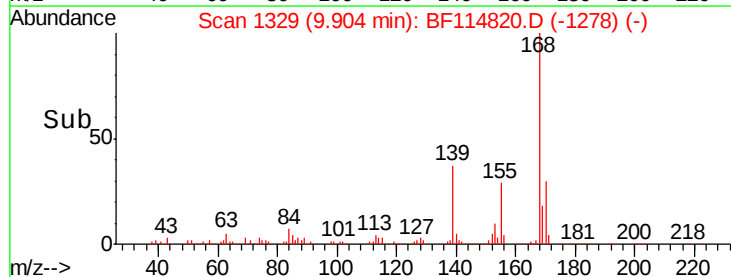
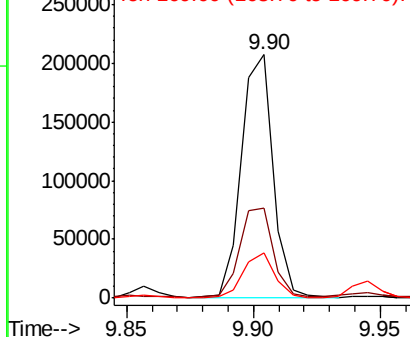
Lab File: BF114820.D

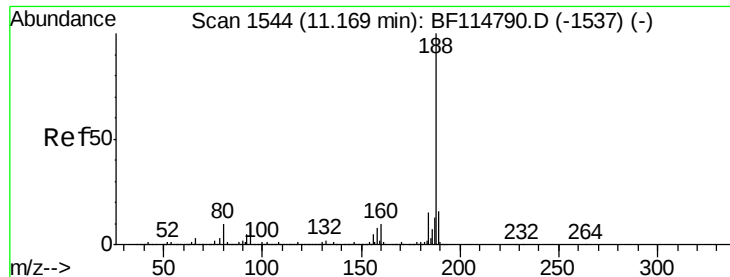
Acq: 5 Jun 2019 14:51

Tgt Ion:	168	Resp:	178267
Ion Ratio	Lower	Upper	
168	100		
139	37.0	33.8	50.6
169	18.4	11.9	17.9#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-004-B

Tot Ion:188 Resp: 1336936

Ion Ratio Lower Upper

188 100

94 9.9 7.6 11.4

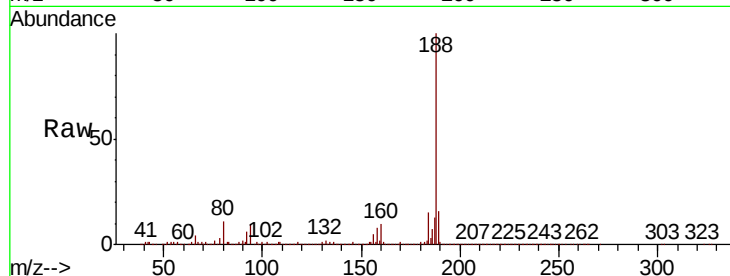
80 10.6 8.3 12.5

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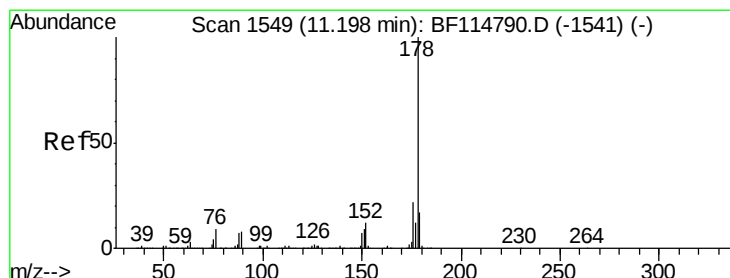
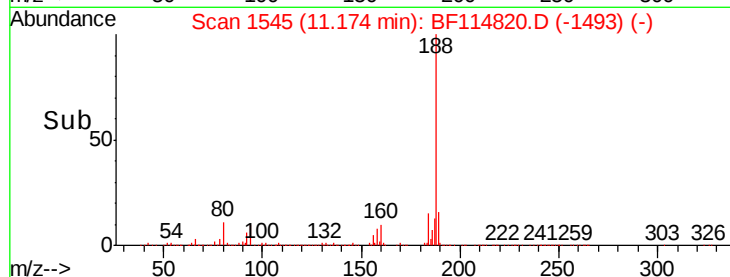
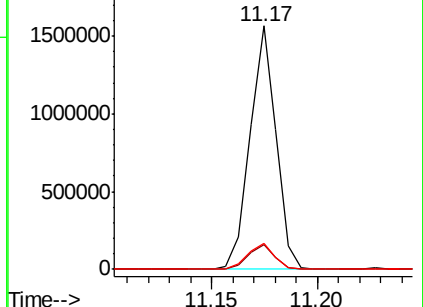
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 28.143 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

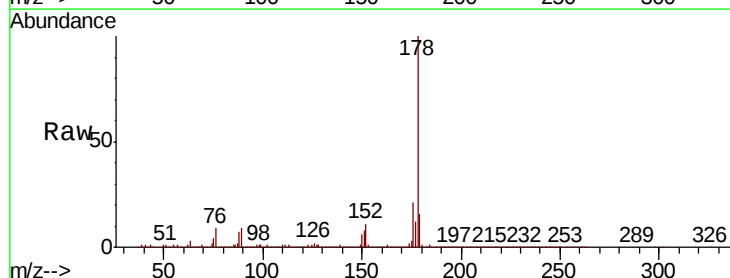
Tgt Ion:178 Resp: 1796209

Ion Ratio Lower Upper

178 100

176 20.7 17.7 26.5

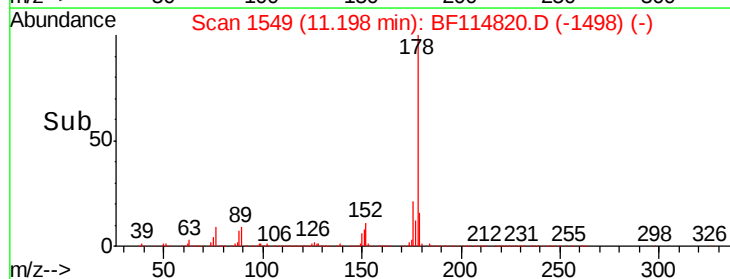
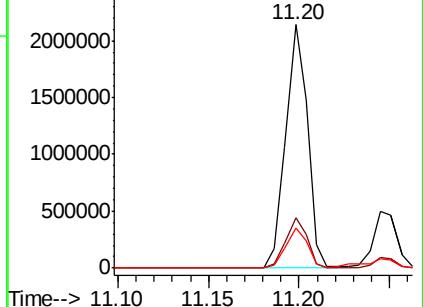
179 16.3 13.7 20.5

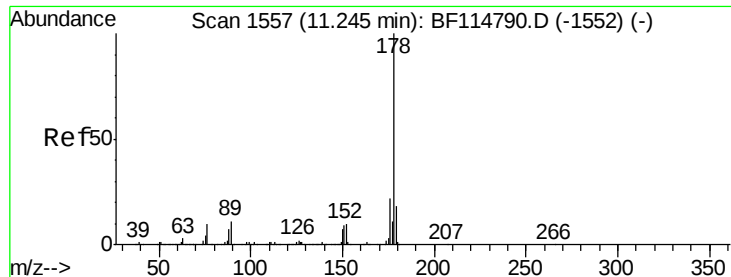


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.461 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-004-B

Tot Ion:178 Resp: 433977

Ion Ratio Lower Upper

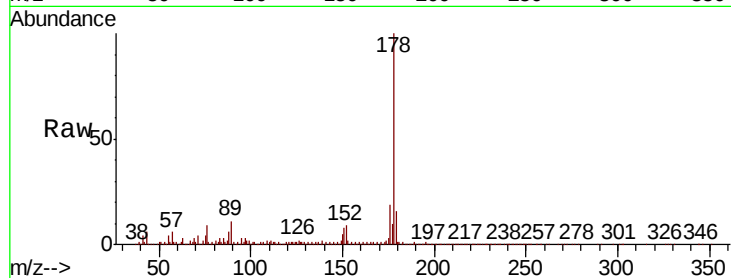
178 100

176 18.8 17.4 26.0

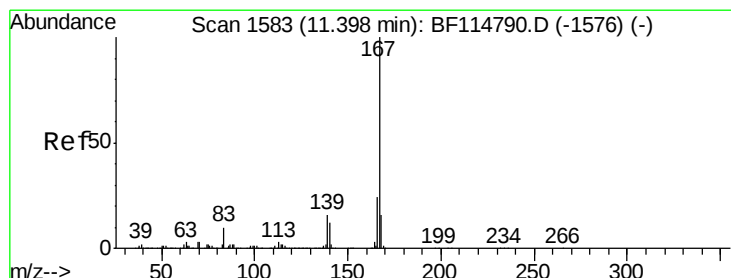
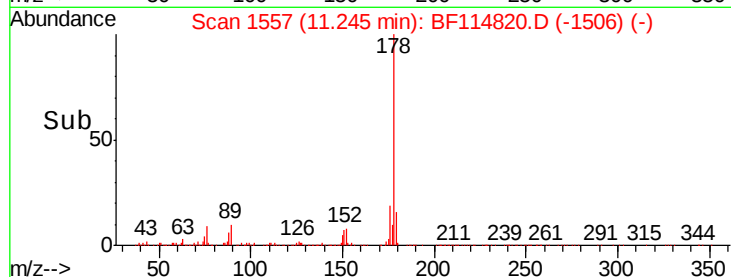
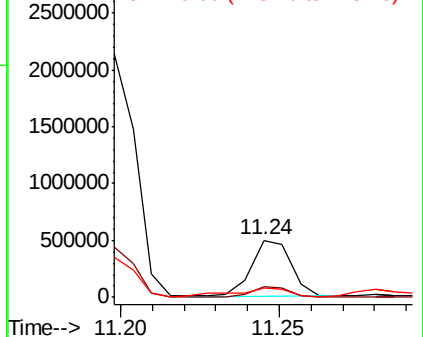
179 16.4 14.2 21.4

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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



#73

Carbazole

Concen: 3.350 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

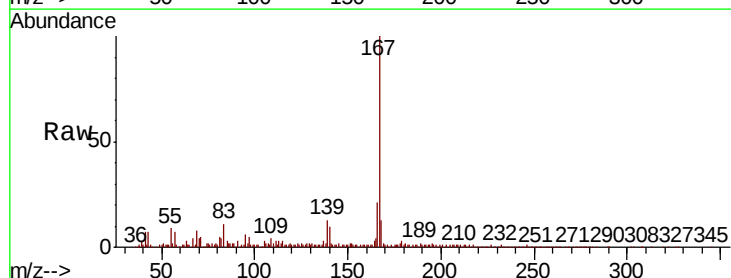
Tgt Ion:167 Resp: 192876

Ion Ratio Lower Upper

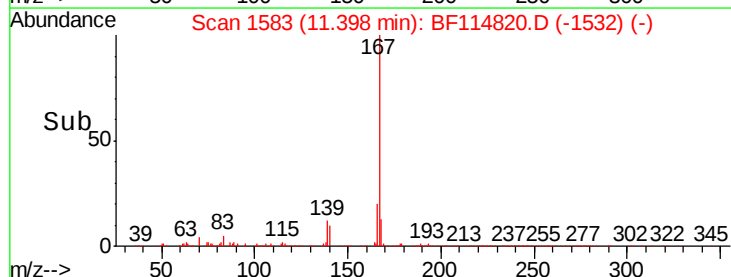
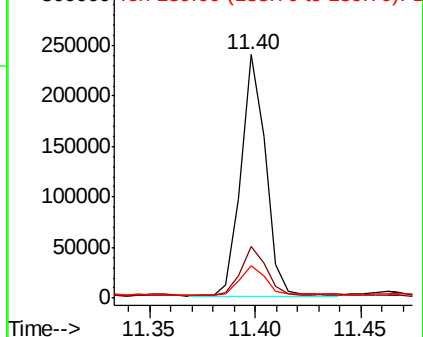
167 100

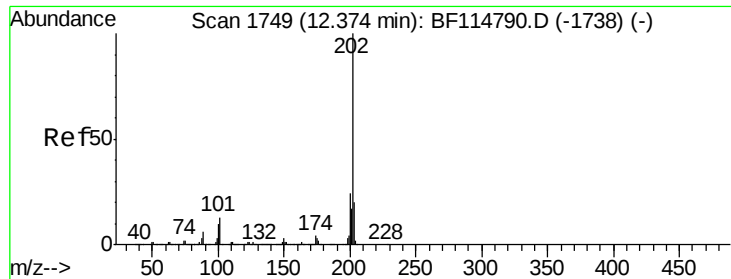
166 21.3 19.1 28.7

139 13.3 12.4 18.6



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 24.869 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

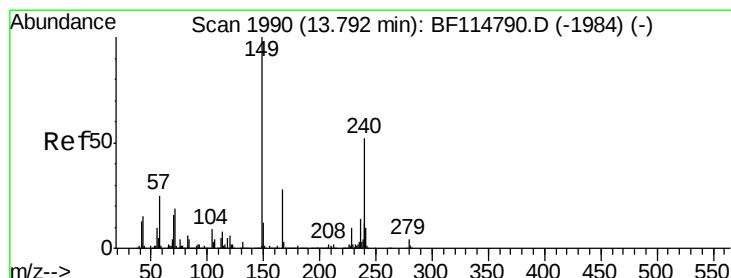
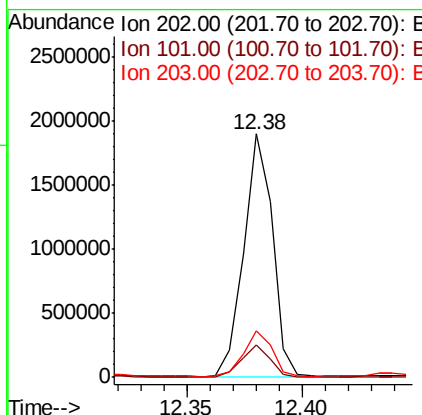
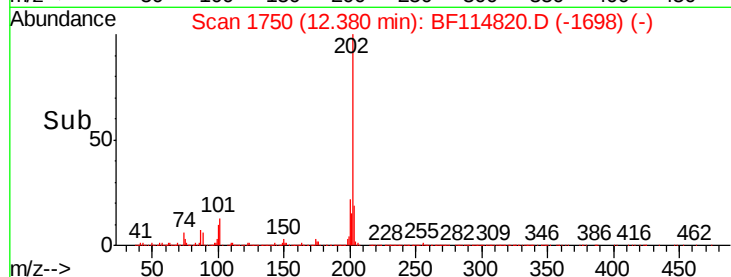
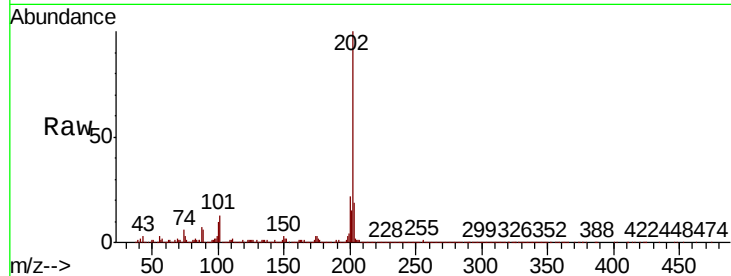
ClientSampleId :

FK-SF-02-004-B

Tot Ion:	202	Resp:	1652042
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	32.8
203	18.9	0.2	40.2

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#76

Chrysene-d12

Concen: 20.000 ng

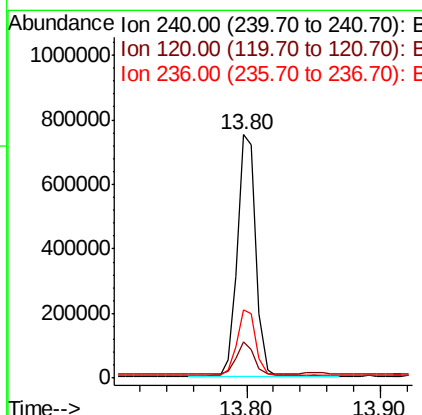
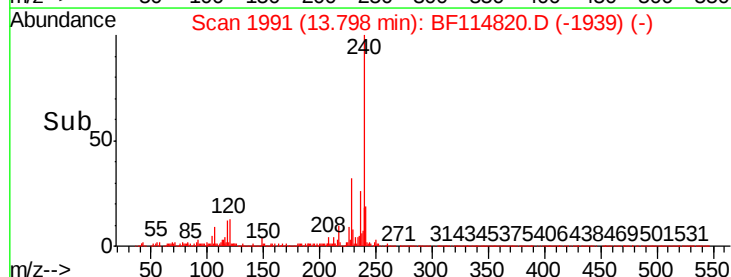
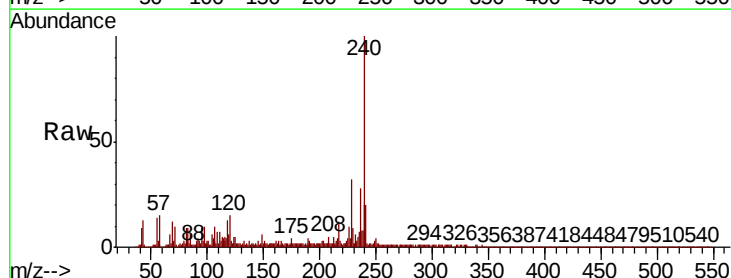
RT: 13.80 min Scan# 1991

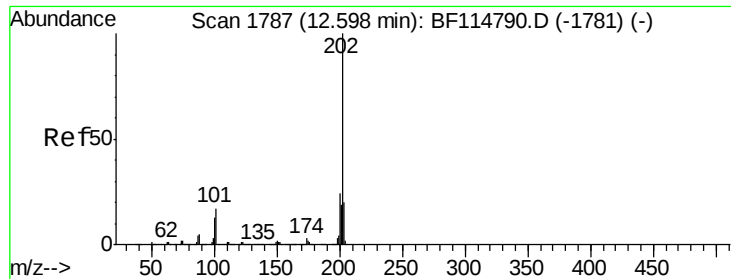
Delta R.T. 0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Tgt Ion:	240	Resp:	725321
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.0	13.4#
236	27.9	21.4	32.0





#78

Pvrene

Concen: 24.019 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Instrument :

BNA_F

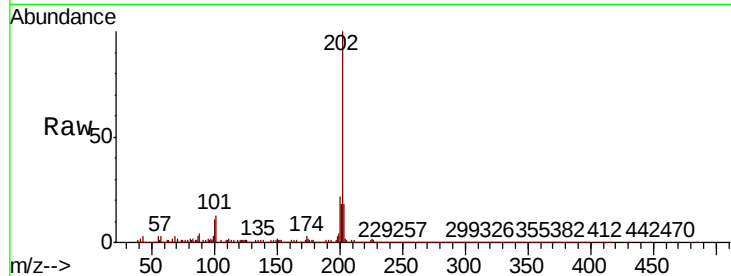
ClientSampleId :

FK-SF-02-004-B

Tot Ion:	202	Resp:	1511343
Ion	Ratio	Lower	Upper
202	100		
200	22.0	19.2	28.8
203	18.4	15.9	23.9

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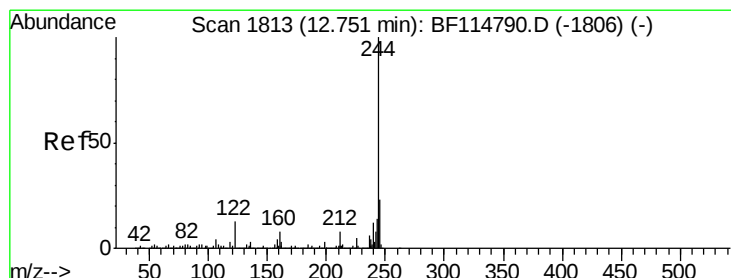
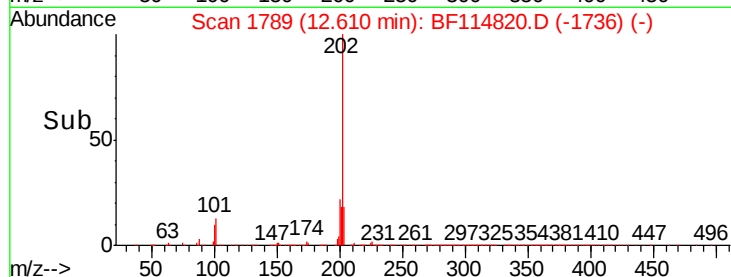
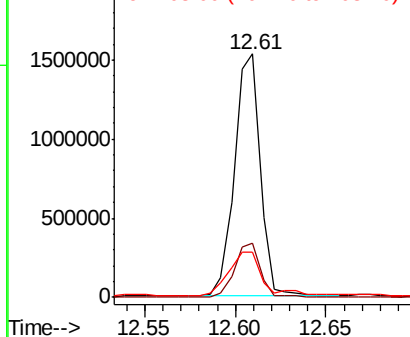


Abundance

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: 57.510 ng

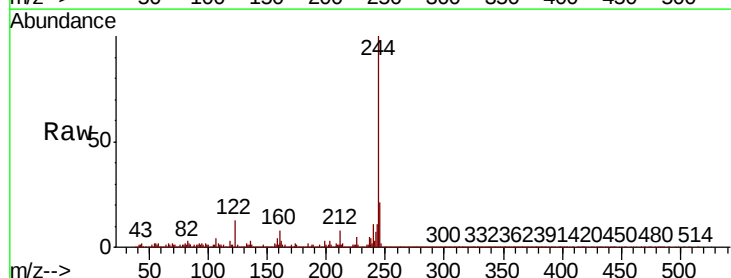
RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114820.D

Acq: 5 Jun 2019 14:51

Tgt Ion:	244	Resp:	2144901
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	12.9	10.5	15.7

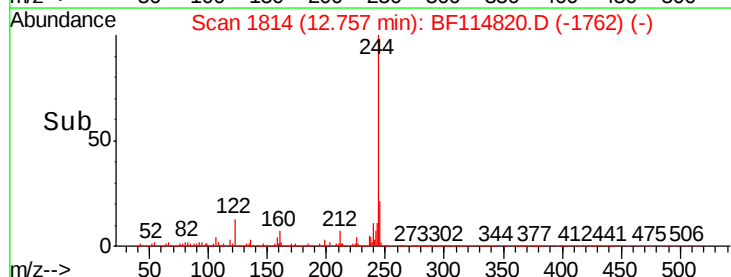
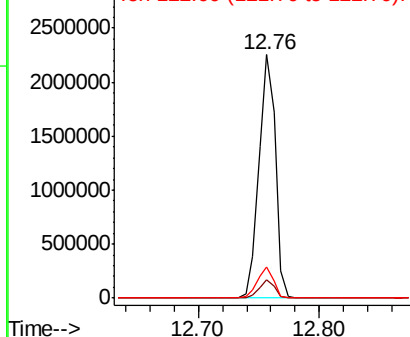


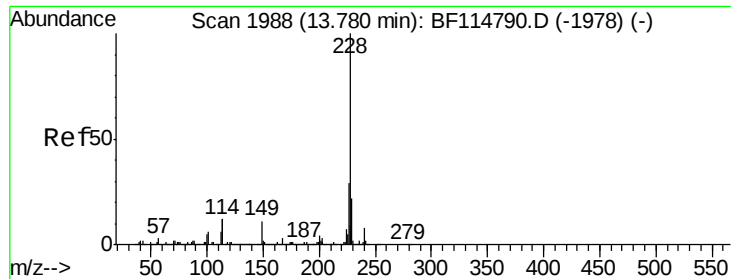
Abundance

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





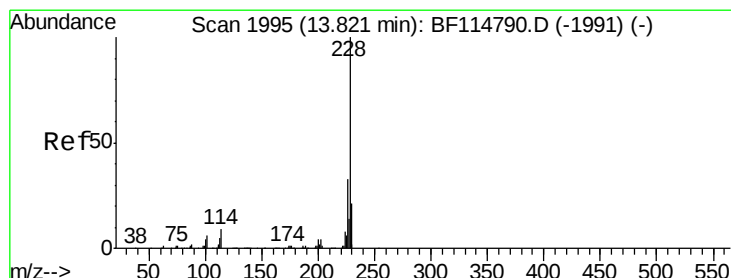
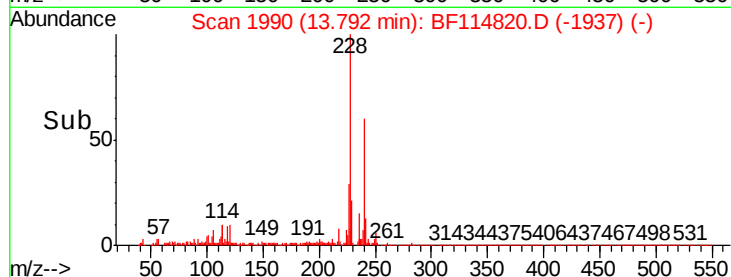
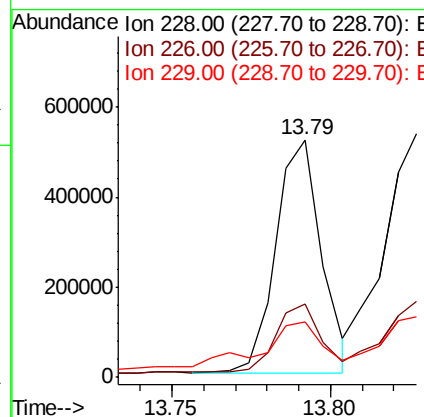
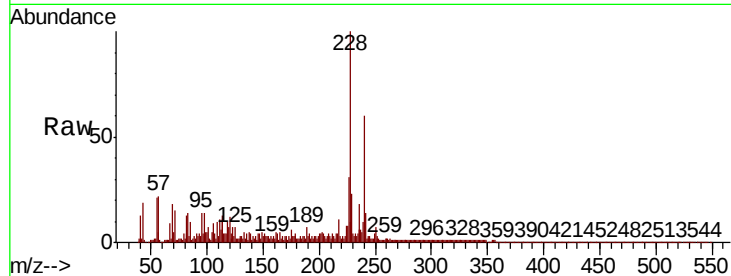
#81
Benzo(a)anthracene
Concen: 9.245 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	23.4	17.4	26.0

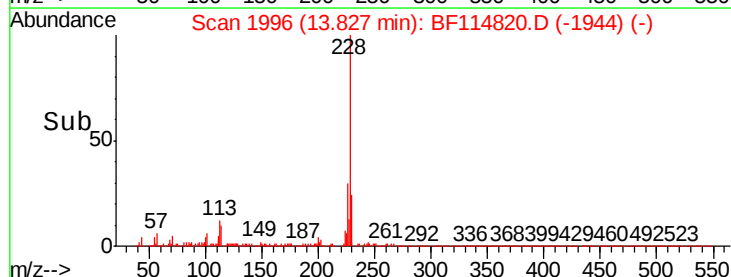
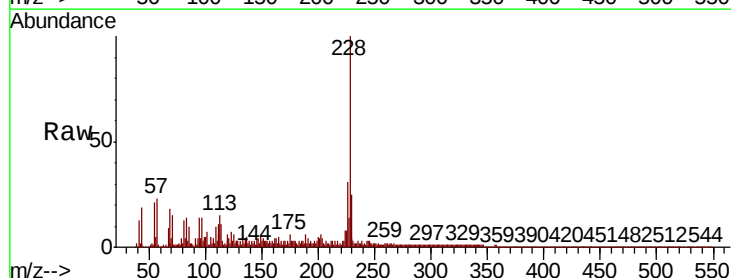
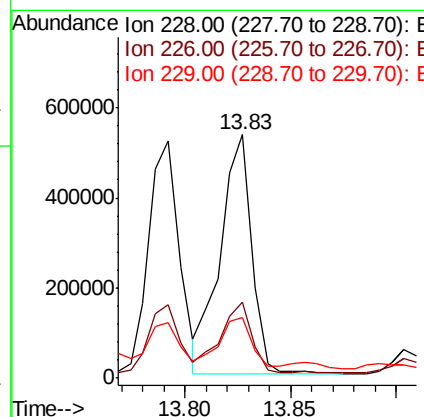
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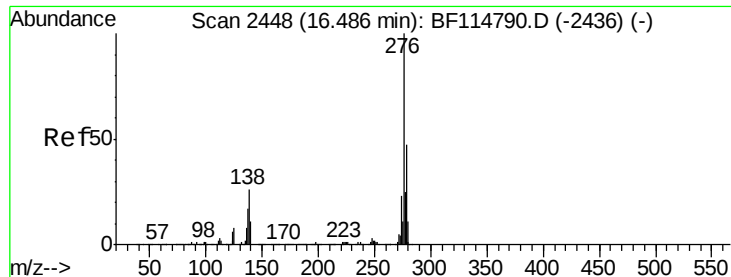
mohammad
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#83
Chrysene
Concen: 10.159 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	26.0	39.0
229	25.1	17.1	25.7





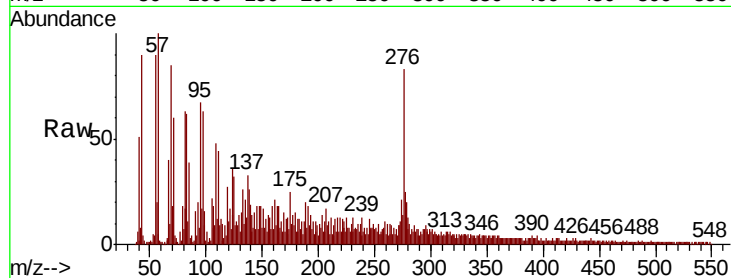
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.858 ng
RT: 16.52 min Scan# 2454
Delta R.T. 0.04 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.2	33.4
277	28.9	20.6	30.8

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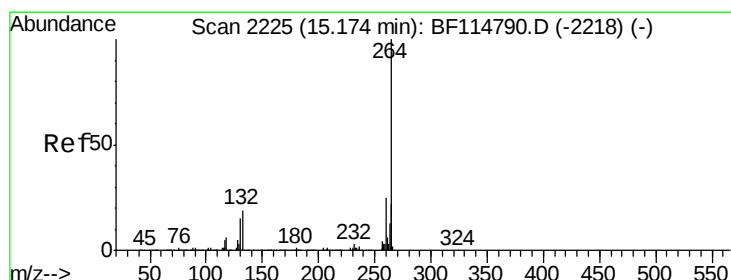
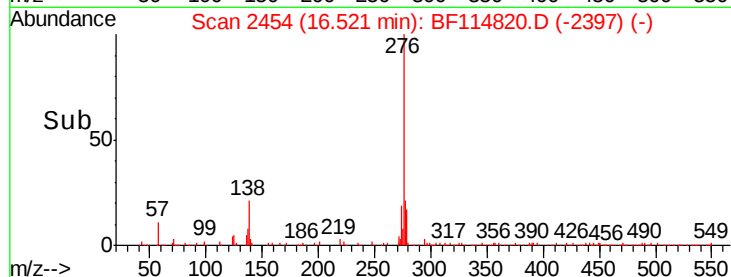
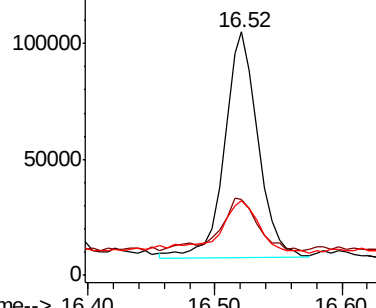


Abundance

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: 15.20 min Scan# 2229
Delta R.T. 0.02 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

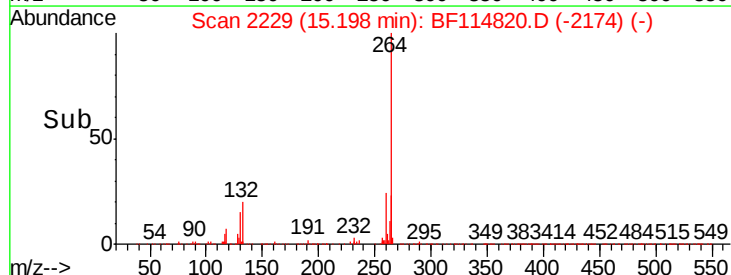
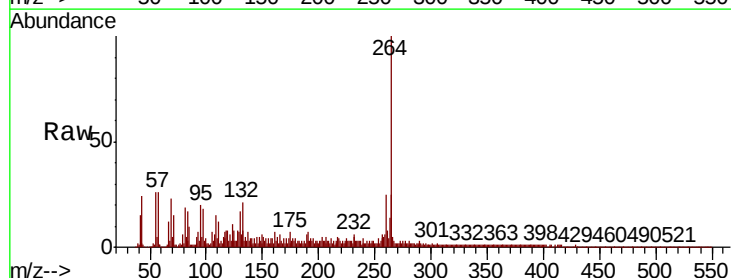
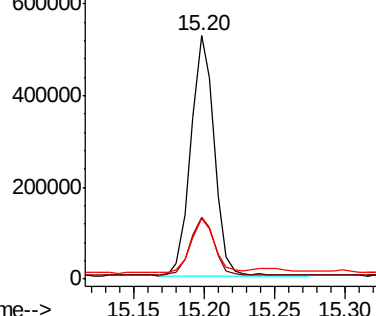
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	24.6	17.7	26.5

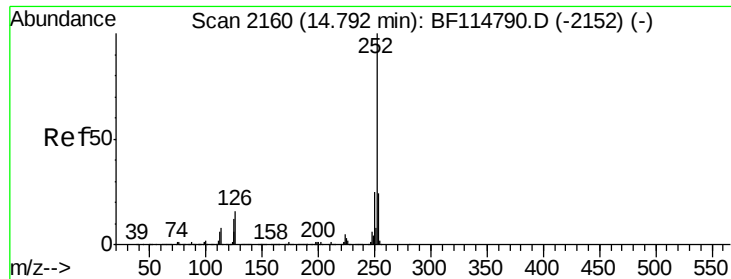
Abundance

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





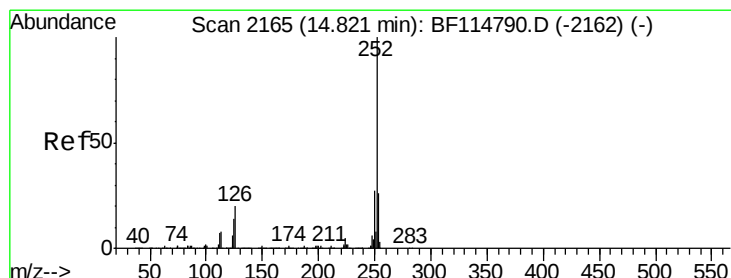
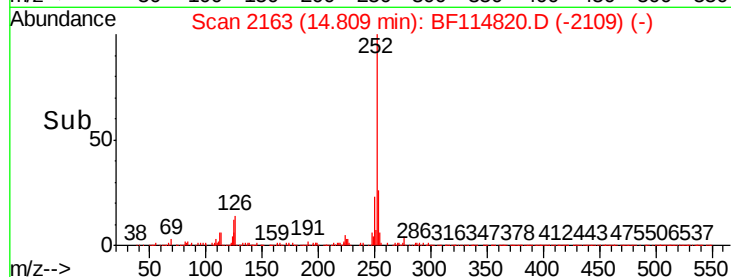
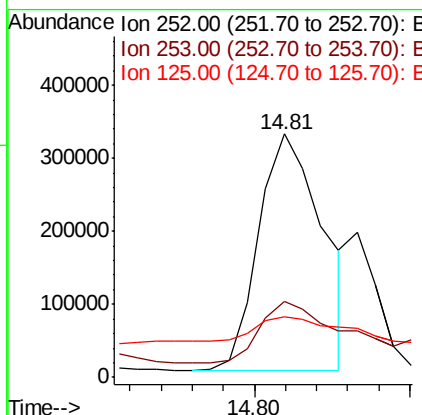
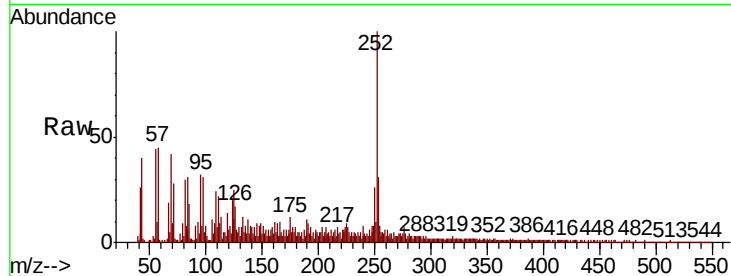
#88
Benzo(b)fluoranthene
Concen: 12.180 ng m
RT: 14.81 min Scan# 2163
Delta R.T. 0.02 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.1	19.0	28.6#
125	24.9	9.4	14.0#

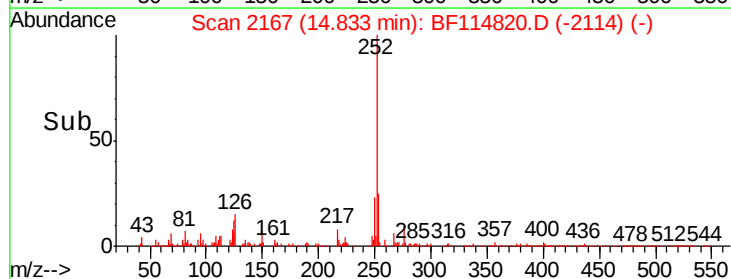
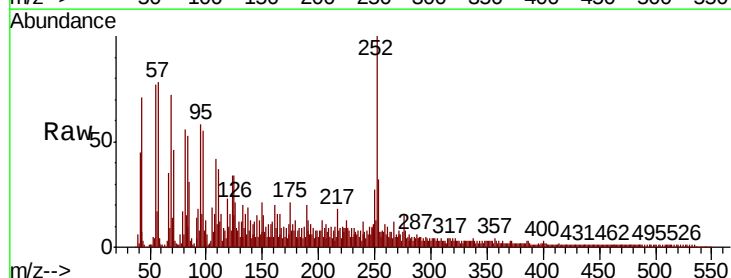
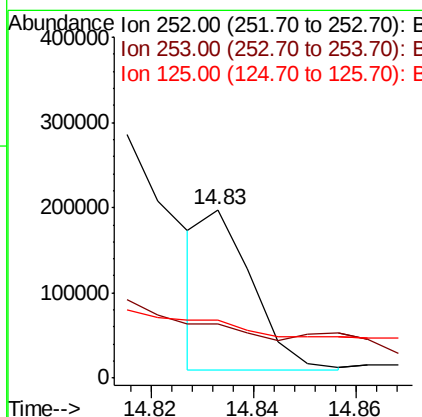
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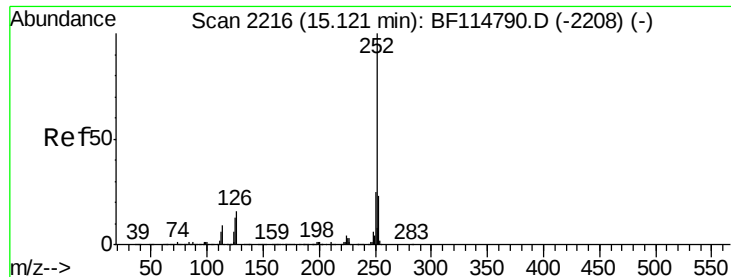
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.756 ng m
RT: 14.83 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.3	28.9#
125	34.1	10.1	15.1#





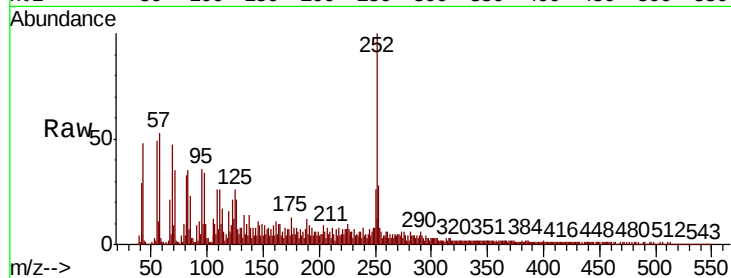
#90
Benzo(a)pyrene
Concen: 9.299 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.02 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-004-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.5	27.7#
125	26.1	10.1	15.1#

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6/6/2019 4:49:58 PM

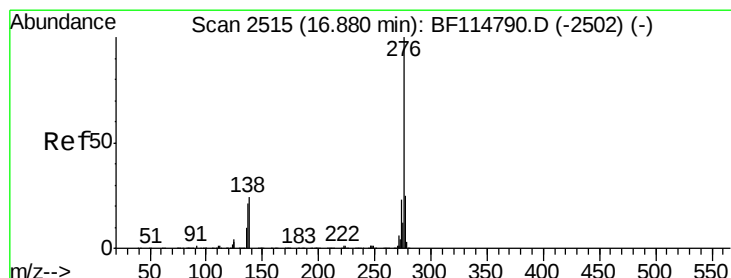
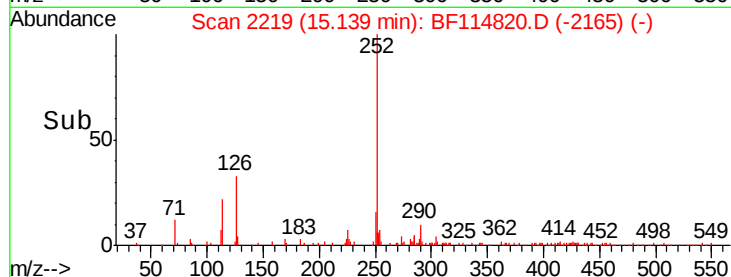
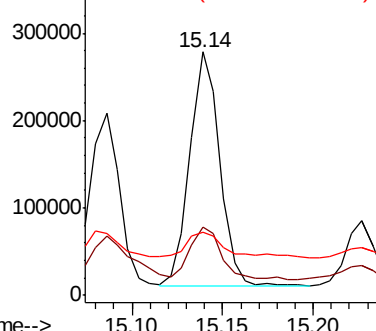


Abundance

Ion 252.00 (251.70 to 252.70): E

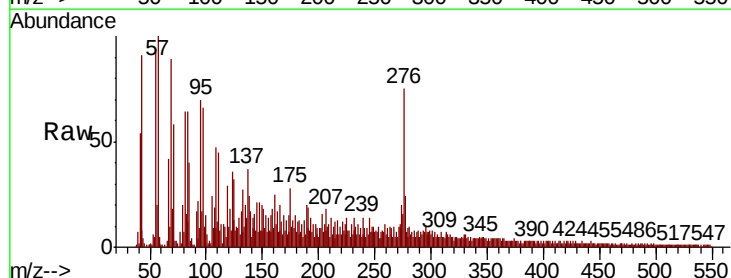
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.354 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.04 min
Lab File: BF114820.D
Acq: 5 Jun 2019 14:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.5	19.8	29.6#
138	32.7	19.4	29.2#



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

