Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
Data File : BF114818.D
Acq On : 5 Jun 2019 13:58
Operator : HP/JU
Sample : K3172-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

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6/6/2019 4:49:52 PM

Quant Time: Jun 06 05:23:22 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	435142	20.00	ng		0.00
21) Naphthalene-d8	7.95	136	1605962	20.00	ng		0.00
39) Acenaphthene-d10	9.69	164	738492	20.00	ng		0.00
64) Phenanthrene-d10	11.17	188	1341380	20.00	ng		0.00
76) Chrysene-d12	13.79	240	813202	20.00	ng		0.00
87) Perylene-d12	15.19	264	654057	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	659547	26.48	ng		0.00
7) Phenol-d6	6.30	99	2208334	72.88	ng		0.00
23) Nitrobenzene-d5	7.23	82	1633956	62.63	ng		0.00
42) 2,4,6-Tribromophenol	10.47	330	34599	4.35	ng		0.00
45) 2-Fluorobiphenyl	9.03	172	2823716	71.63	ng		0.00
79) Terphenyl-d14	12.76	244	2839436	67.90	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.97	128	388637	5.375	ng		96
37) 2-Methylnaphthalene	8.66	142	203782	4.064	ng		98
38) 1-Methylnaphthalene	8.76	142	157577	3.313	ng		99
50) Dimethylphthalate	9.42	163	392832	7.283	ng		99
52) Acenaphthene	9.73	154	132455	2.998	ng		98
55) Dibenzofuran	9.90	168	171174	2.786	ng		93
71) Phenanthrene	11.19	178	1722737	26.903	ng		98
72) Anthracene	11.24	178	430518	6.388	ng		95
73) Carbazole	11.39	167	185582	3.212	ng		96
75) Fluoranthene	12.37	202	1731373	25.977	ng		97
78) Pyrene	12.60	202	1560421	22.119	ng		97
81) Benzo(a)anthracene	13.79	228	597208	9.530	ng		96
83) Chrysene	13.82	228	636315	10.438	ng		95
86) Indeno(1,2,3-cd)pyrene	16.51	276	207228	2.979	ng		95
88) Benzo(b)fluoranthene	14.80	252	484874m	11.645	ng		
89) Benzo(k)fluoranthene	14.82	252	182780m	5.169	ng		
90) Benzo(a)pyrene	15.13	252	336468	9.336	ng	#	80
92) Benzo(g,h,i)perylene	16.90	276	200197	5.833	ng	#	87

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

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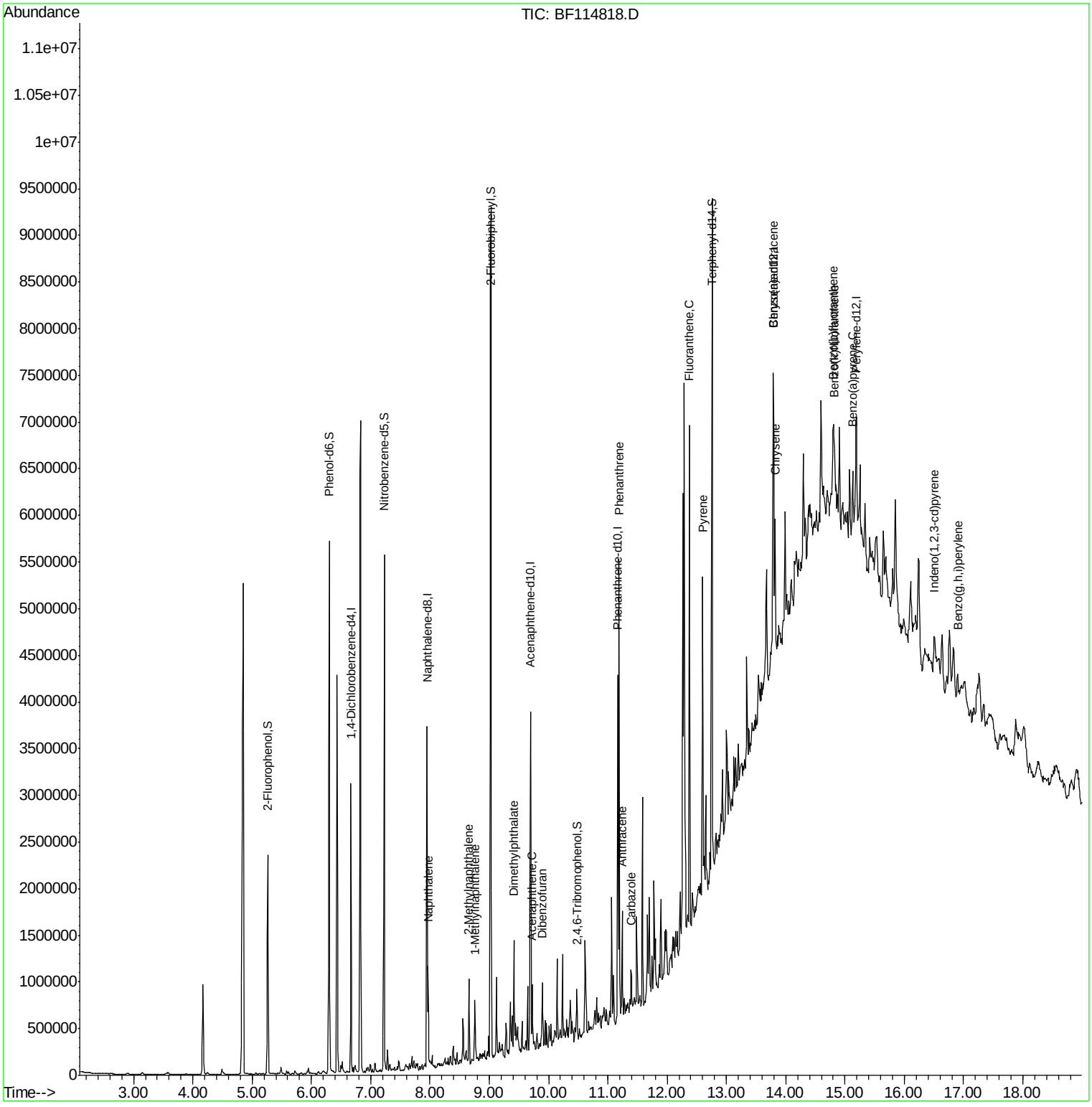
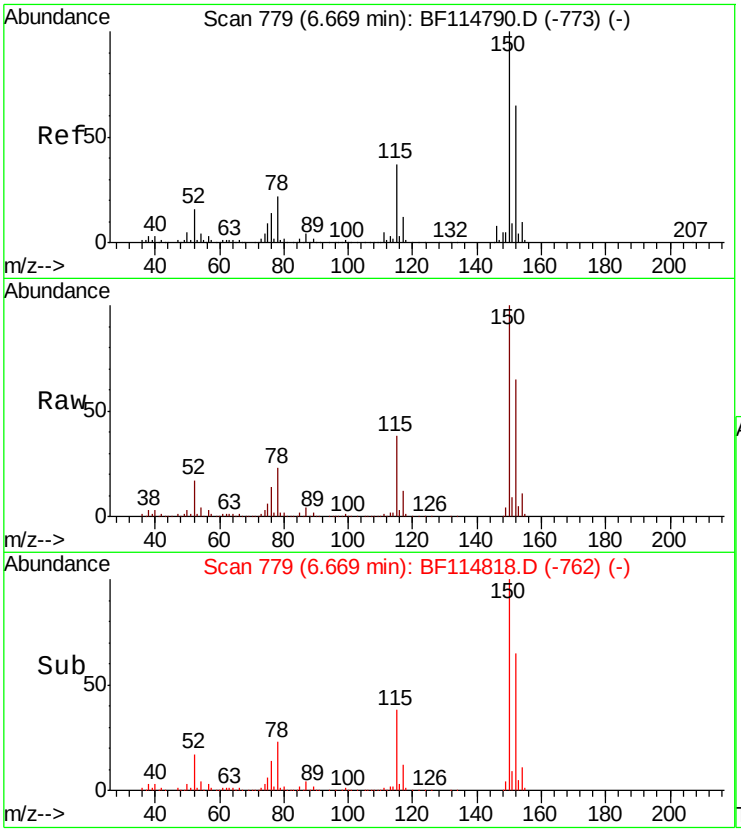
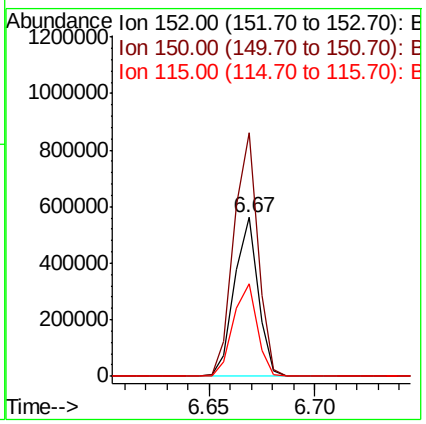




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:152 Resp: 435142

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.0	186.0
115	57.8	46.3	69.5



Instrument :
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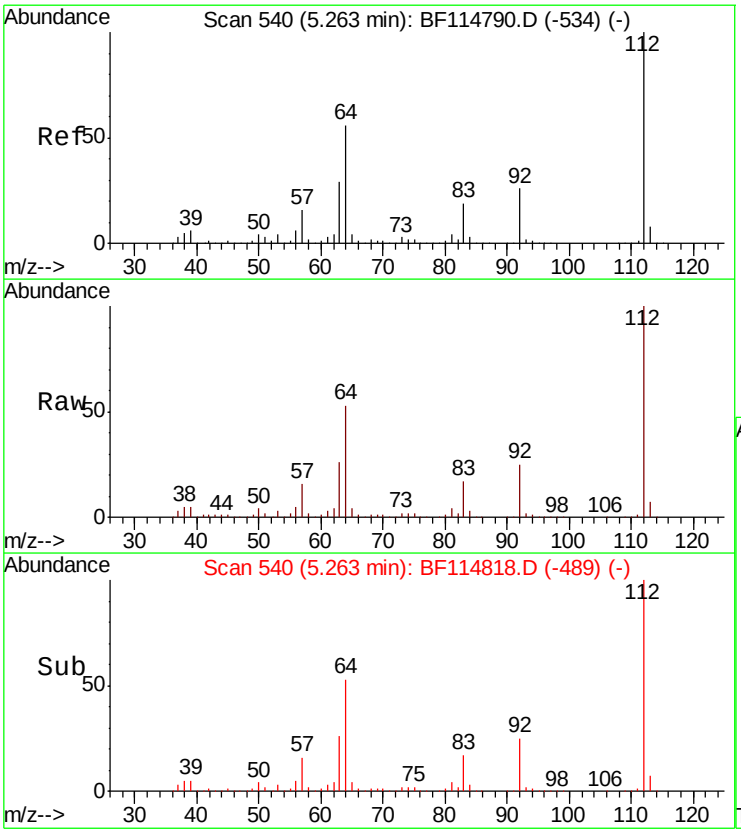
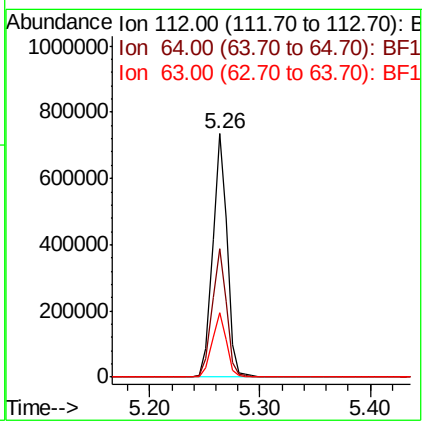
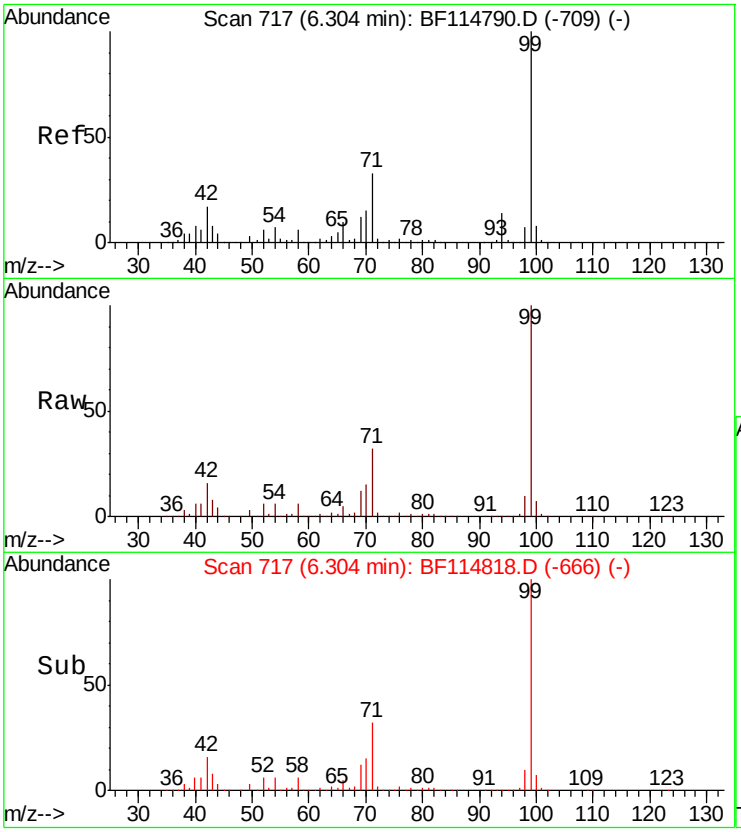


#5
2-Fluorophenol
Concen: 26.485 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:112 Resp: 659547

Ion	Ratio	Lower	Upper
112	100		
64	52.9	44.6	66.8
63	26.3	23.0	34.4

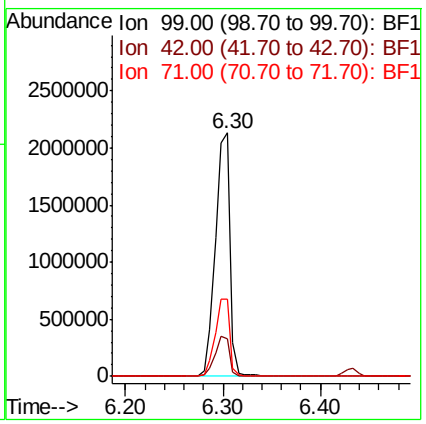




#7
Phenol-d6
Concen: 72.878 ng
RT: 6.30 min Scan# 717
Delta R.T. 0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion: 99 Resp: 2208334

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.3	19.9
71	31.7	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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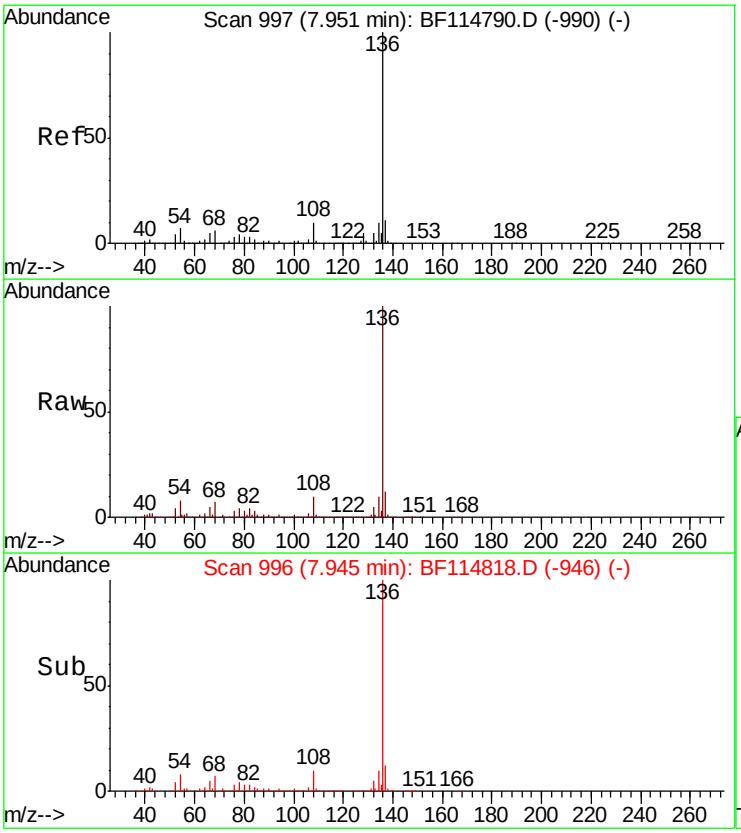
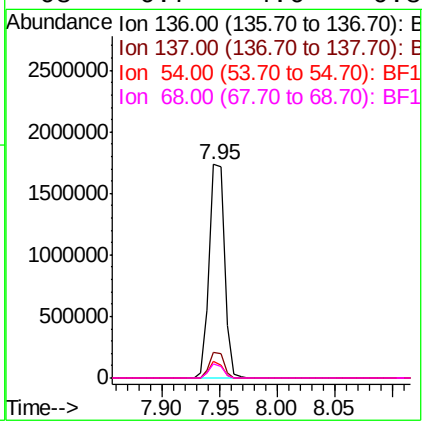
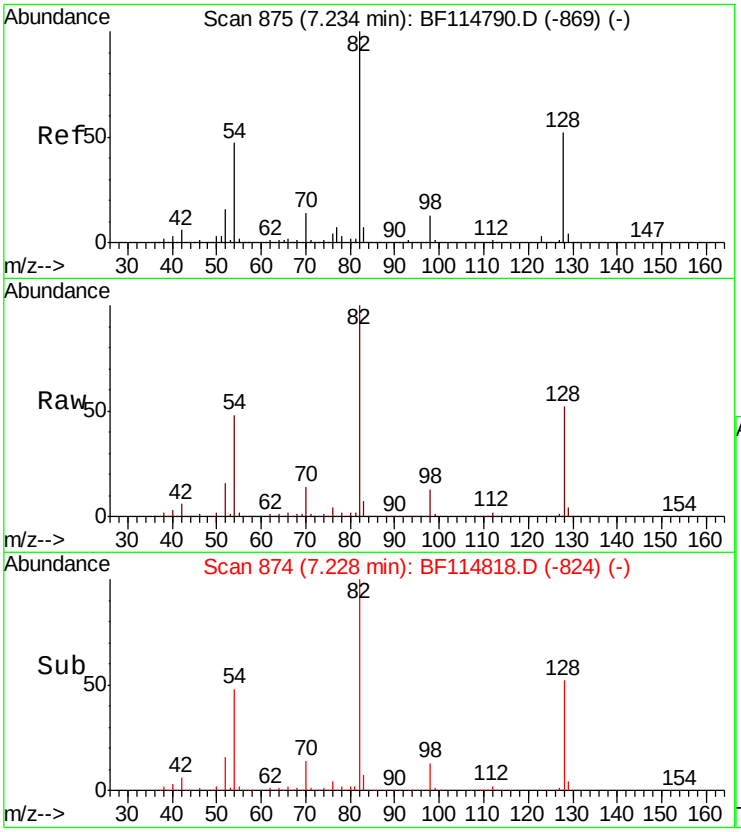


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:136 Resp: 1605962

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	8.0	5.4	8.0
68	6.7	4.6	6.8

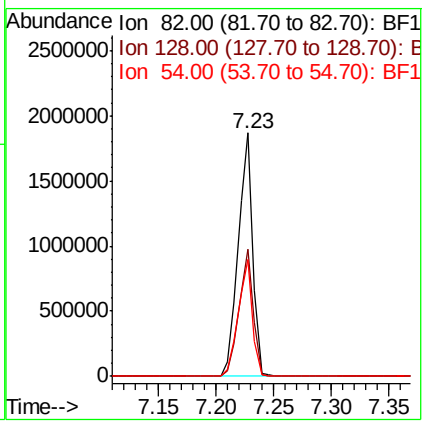




#23
Nitrobenzene-d5
Concen: 62.632 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion: 82 Resp: 1633956

Ion	Ratio	Lower	Upper
82	100		
128	52.4	41.8	62.6
54	47.8	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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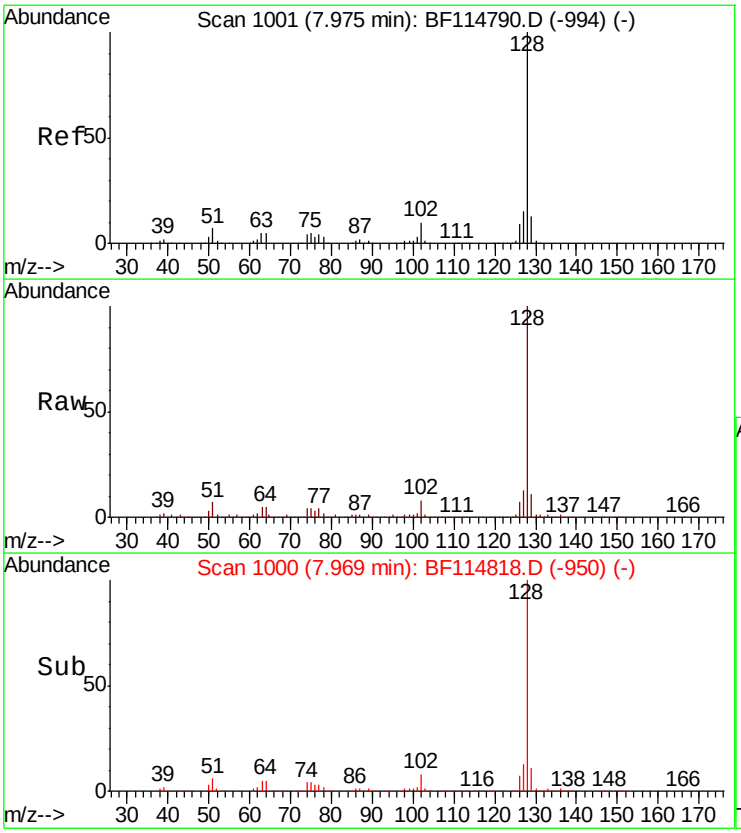
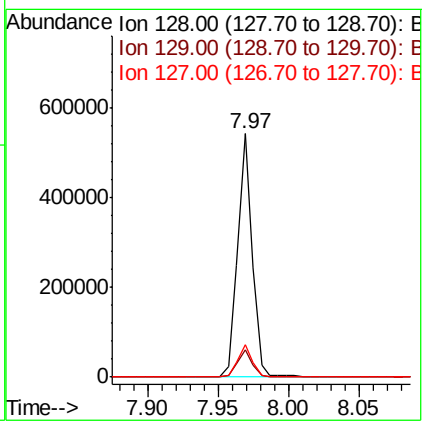
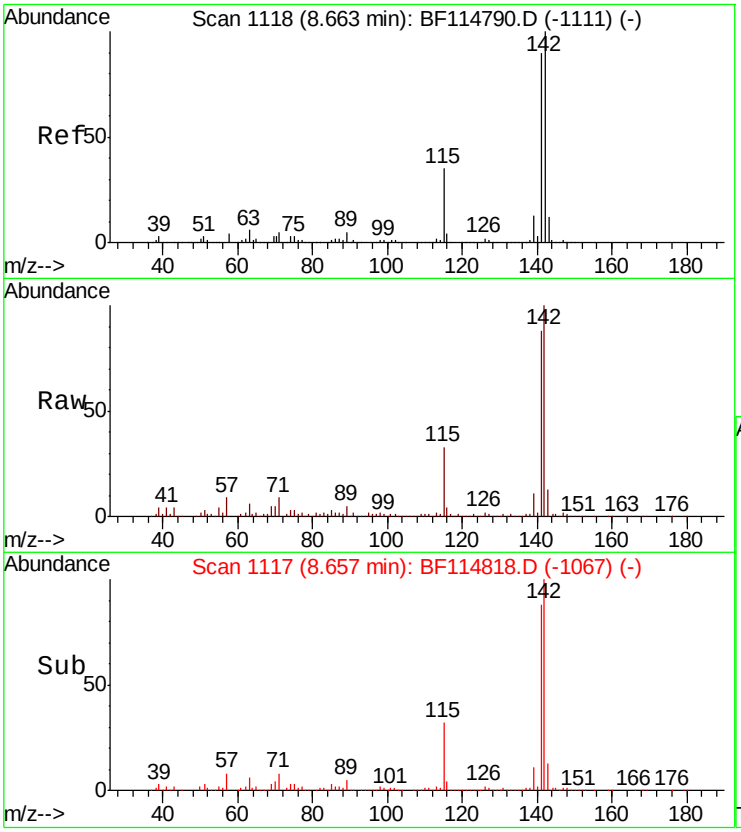


#31
Naphthalene
Concen: 5.375 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:128 Resp: 388637

Ion	Ratio	Lower	Upper
128	100		
129	11.3	10.0	15.0
127	13.3	12.2	18.2

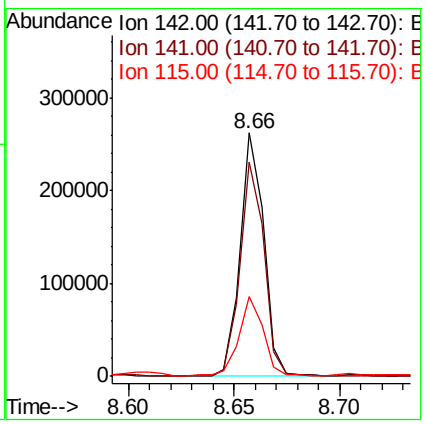




#37
2-Methylnaphthalene
Concen: 4.064 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:142 Resp: 203782

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.6	107.4
115	32.5	28.2	42.4



Instrument :
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ClientSampleId :
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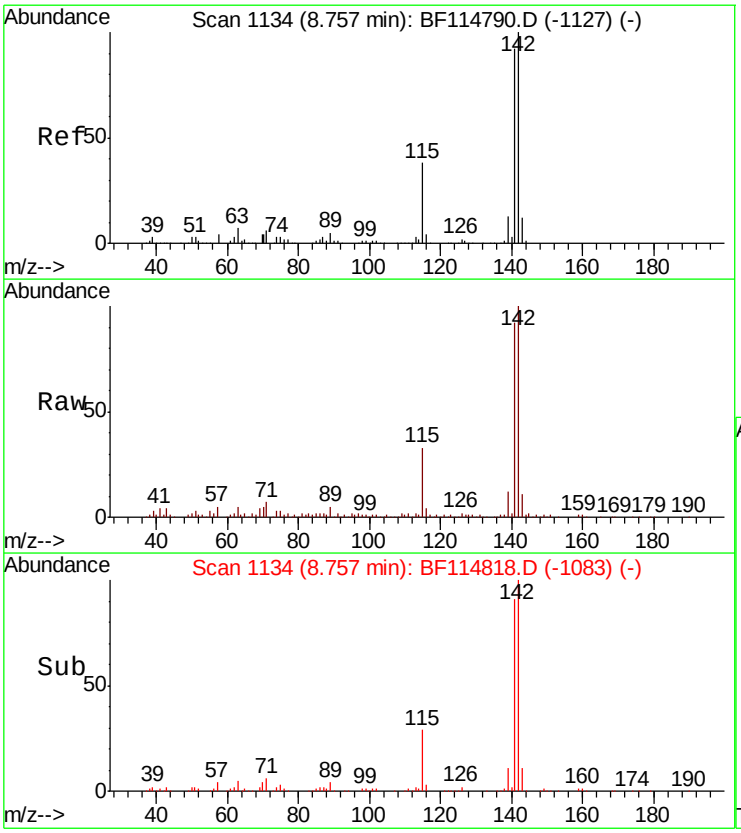
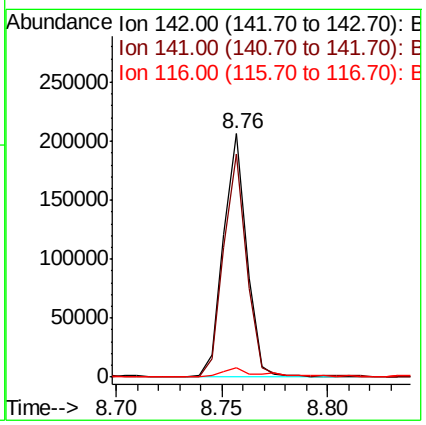
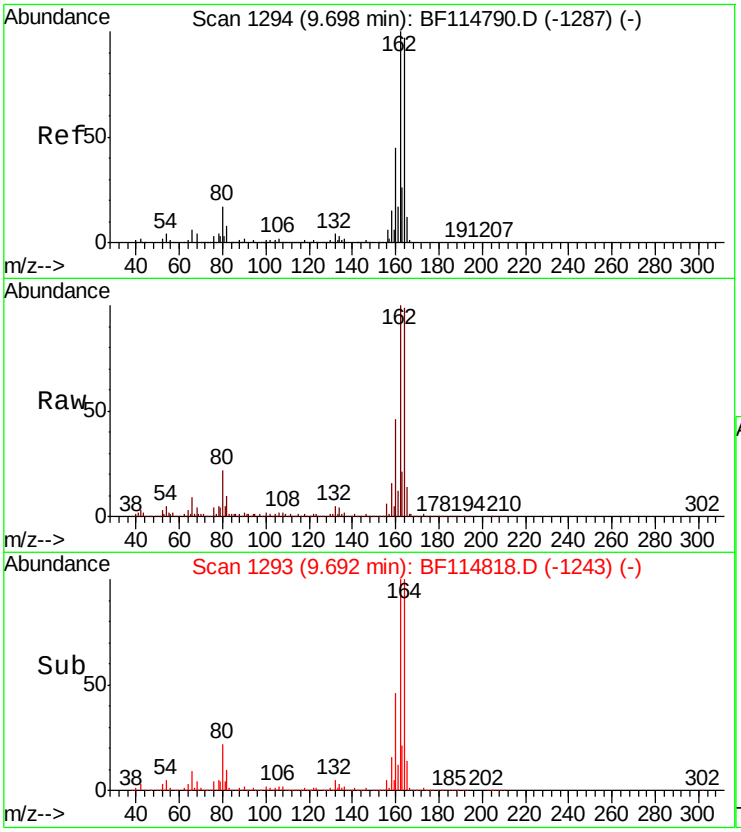


#38
1-Methylnaphthalene
Concen: 3.313 ng
RT: 8.76 min Scan# 1134
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:142 Resp: 157577

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.8	110.6
116	4.0	3.3	4.9

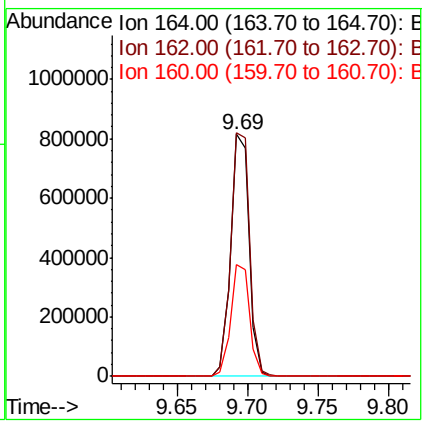




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:164 Resp: 738492

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.3	123.5
160	46.0	36.7	55.1



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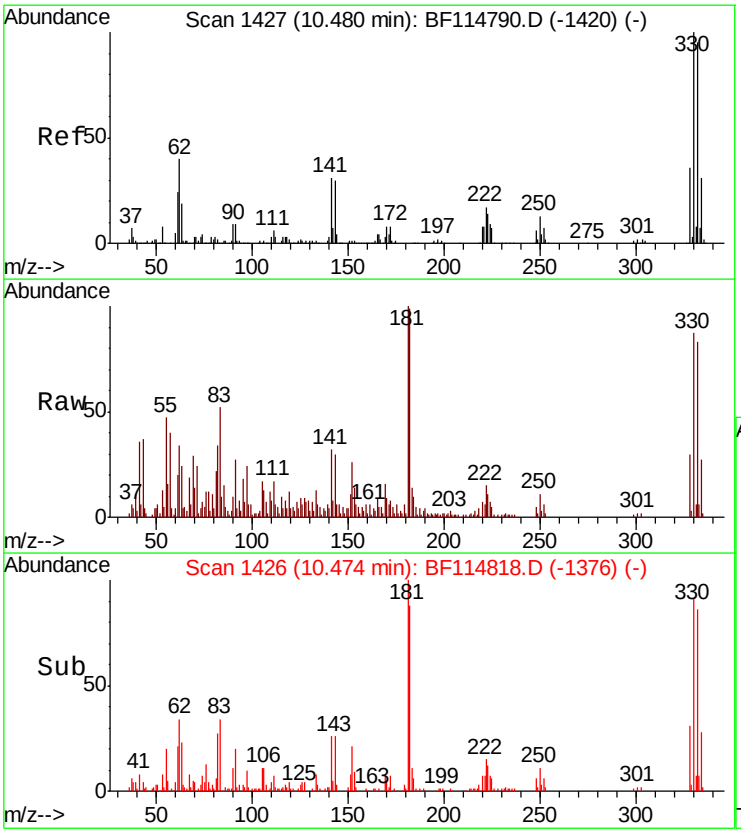
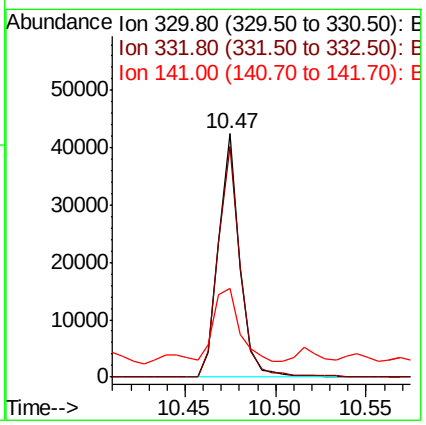
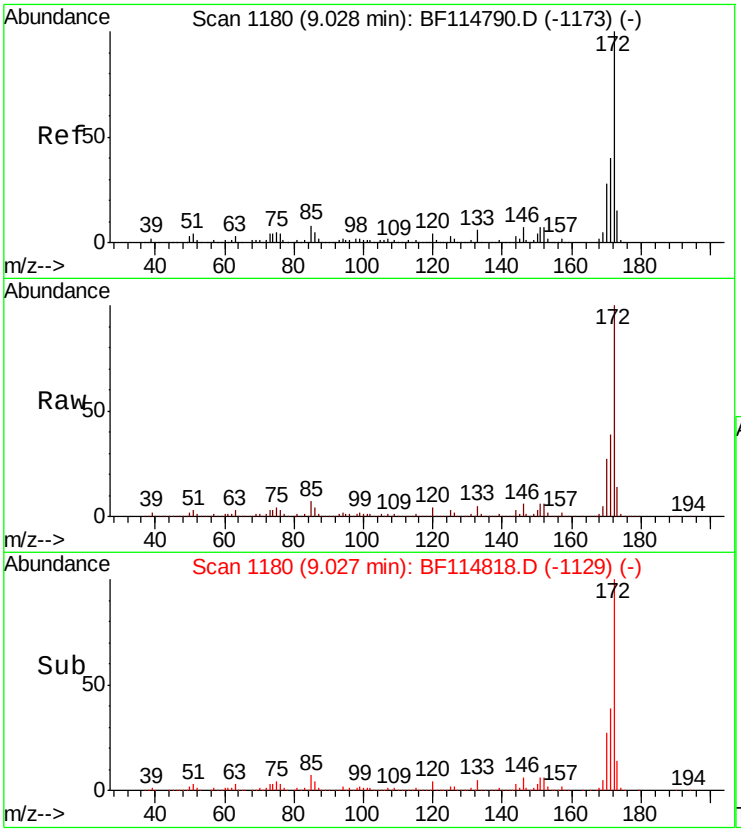


#42
2,4,6-Tribromophenol
Concen: 4.347 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:330 Resp: 34599

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	35.8	26.2	39.4

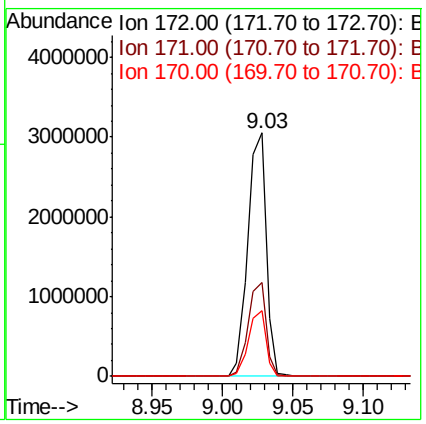




#45
2-Fluorobiphenyl
Concen: 71.627 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:172 Resp: 2823716

Ion	Ratio	Lower	Upper
172	100		
171	38.6	32.3	48.5
170	26.8	22.4	33.6



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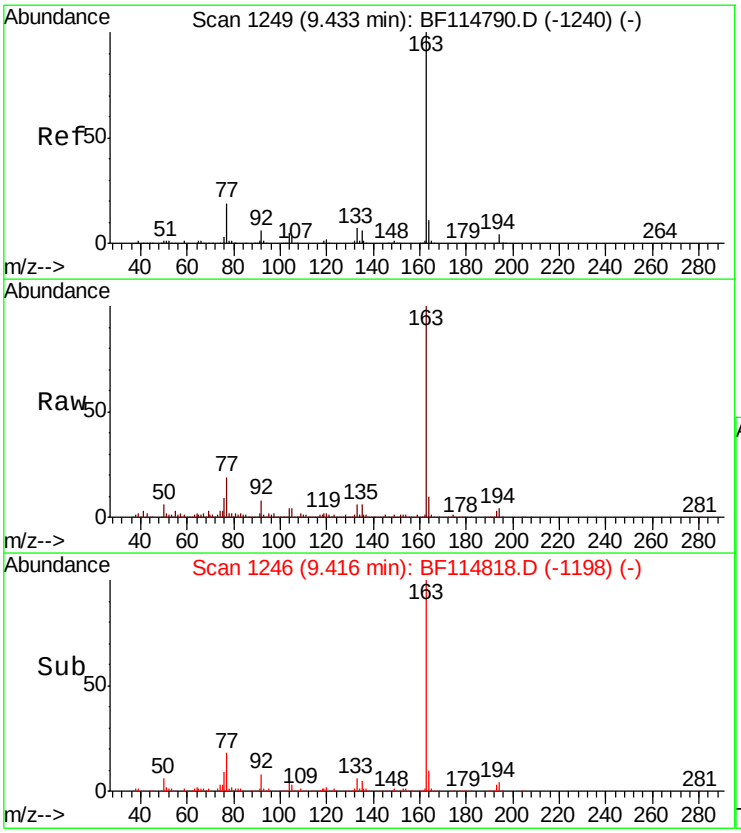
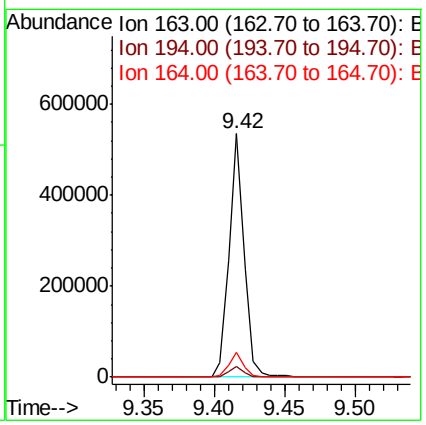
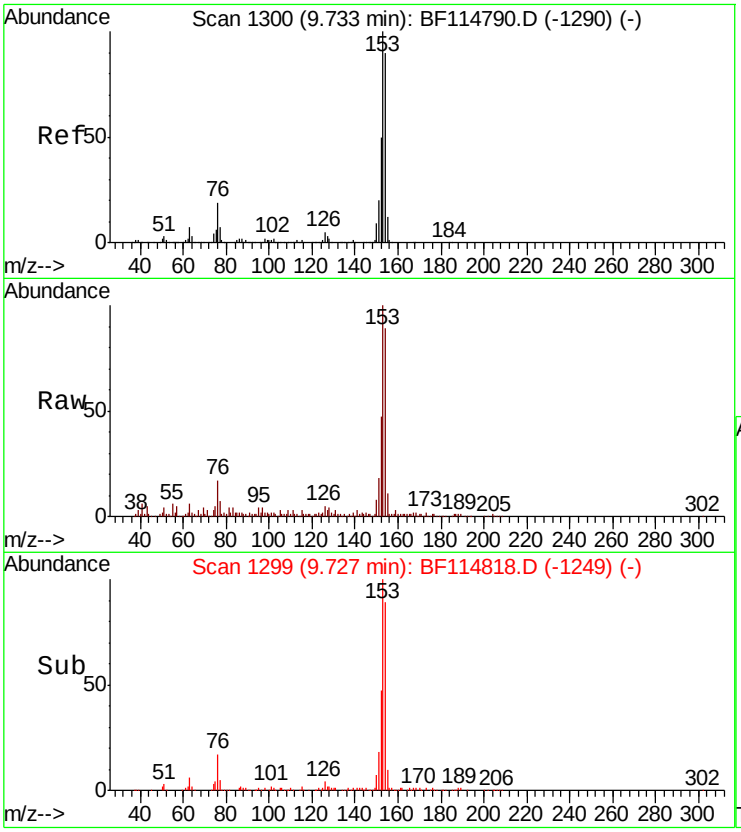


#50
Dimethylphthalate
Concen: 7.283 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:163 Resp: 392832

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.6	13.0

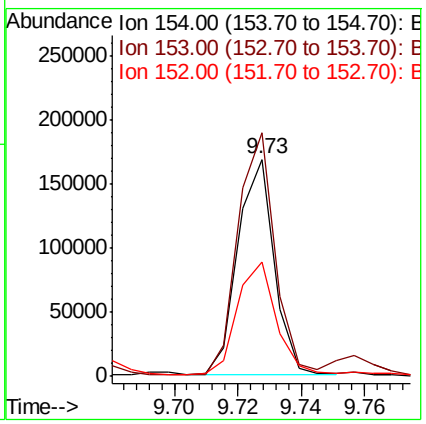




#52
Acenaphthene
Concen: 2.998 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:154 Resp: 132455

Ion	Ratio	Lower	Upper
154	100		
153	112.3	88.5	132.7
152	52.8	44.1	66.1



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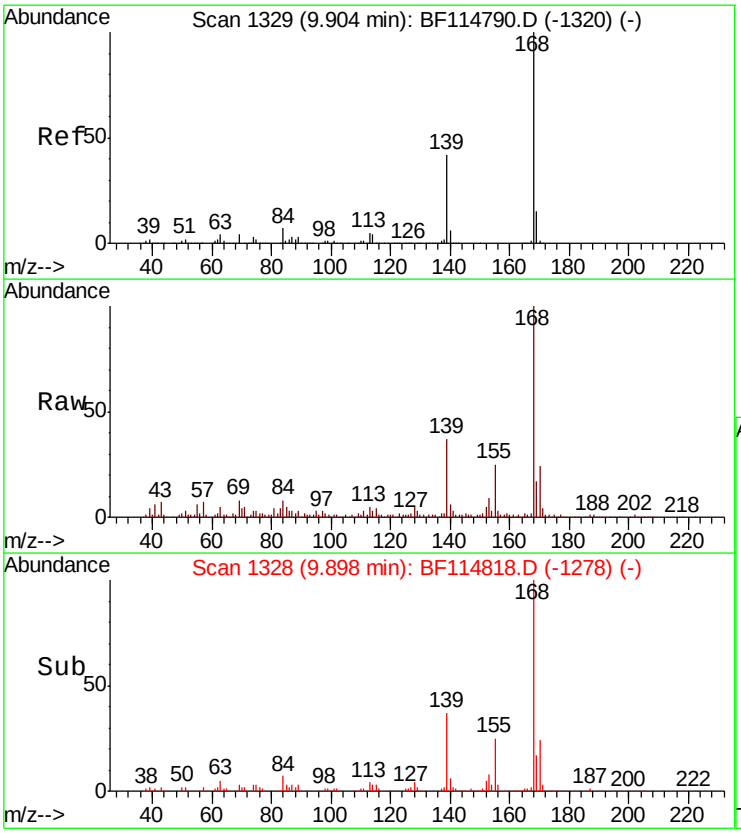
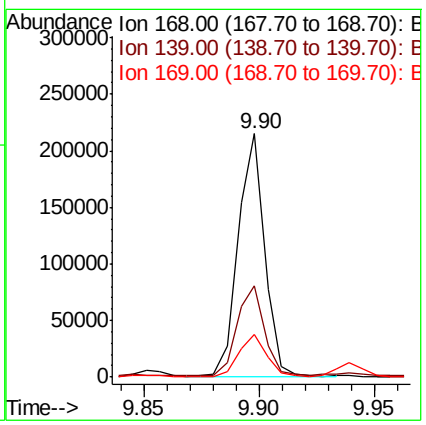
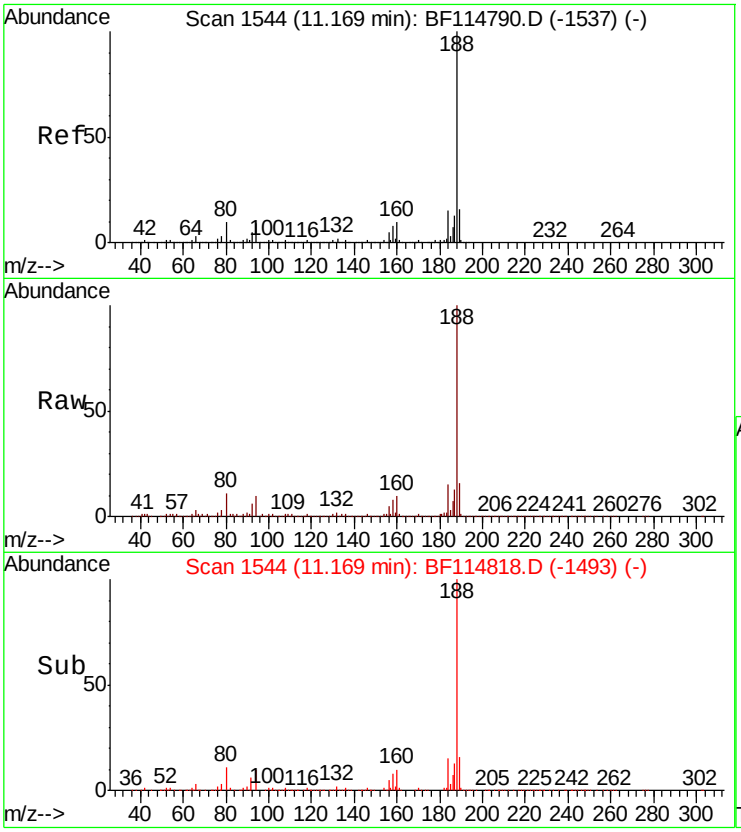


#55
Dibenzofuran
Concen: 2.786 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:168 Resp: 171174

Ion	Ratio	Lower	Upper
168	100		
139	37.3	33.8	50.6
169	17.4	11.9	17.9

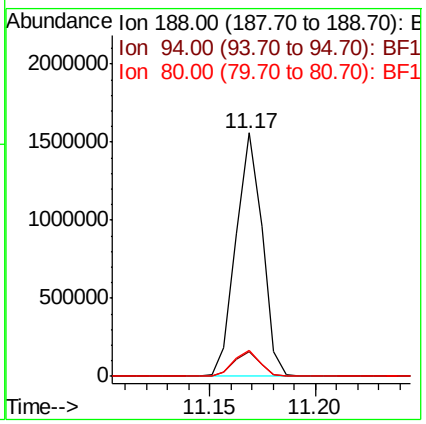




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:188 Resp: 1341380

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.6	8.3	12.5



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ClientSampleId :
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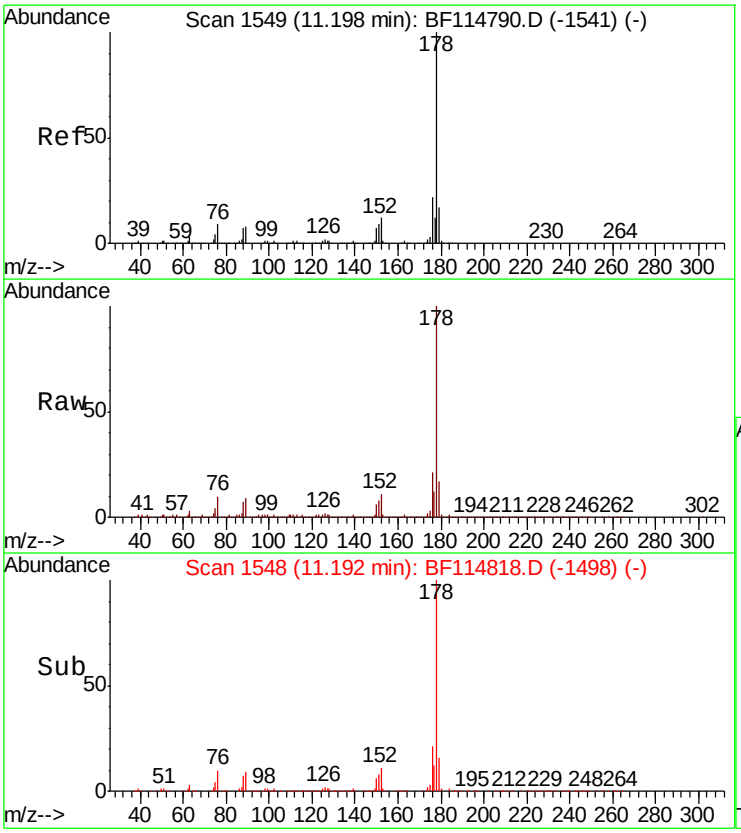
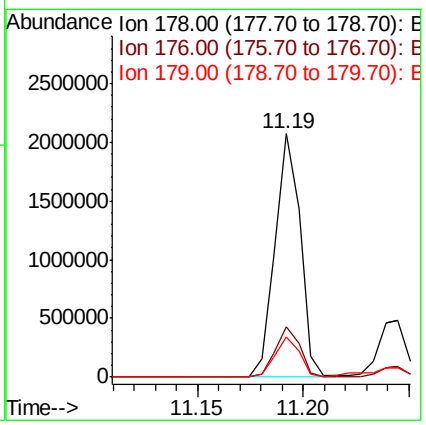
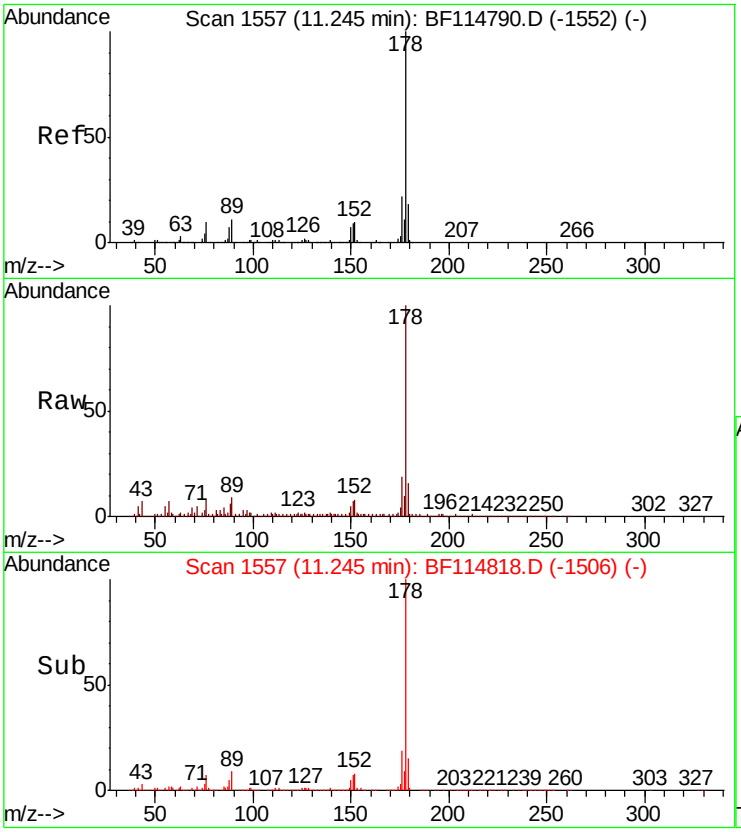


#71
Phenanthrene
Concen: 26.903 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:178 Resp: 1722737

Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.7	26.5
179	16.6	13.7	20.5

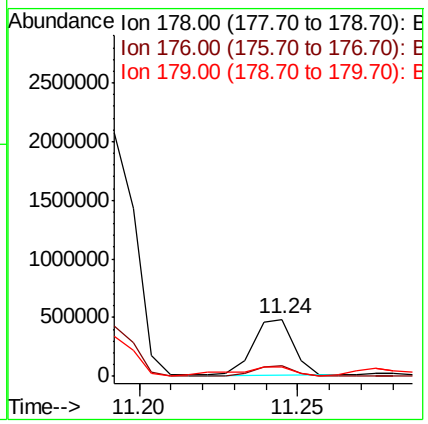




#72
Anthracene
Concen: 6.388 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:178 Resp: 430518

Ion	Ratio	Lower	Upper
178	100		
176	19.1	17.4	26.0
179	15.5	14.2	21.4



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

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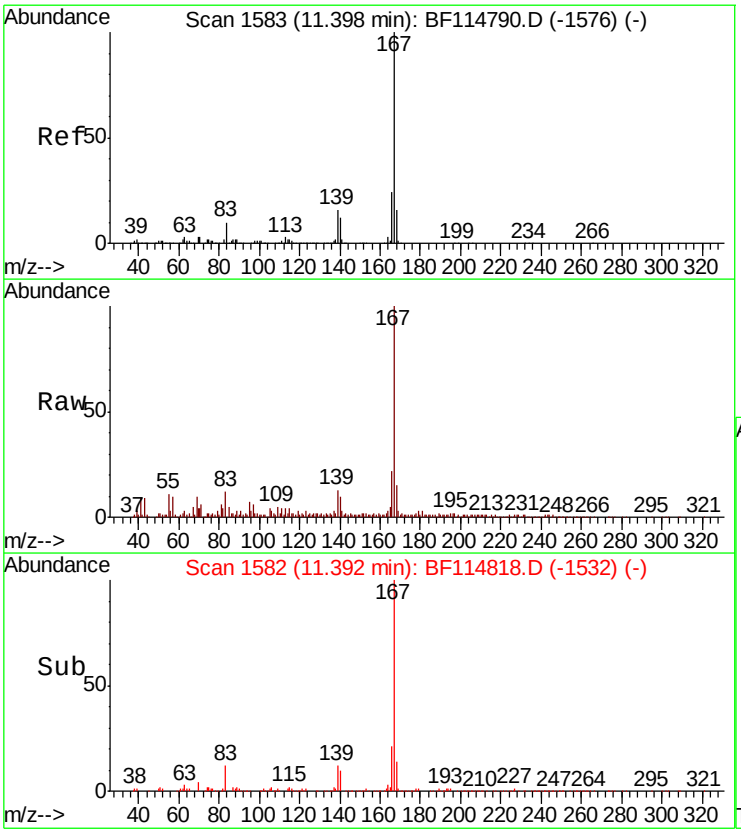
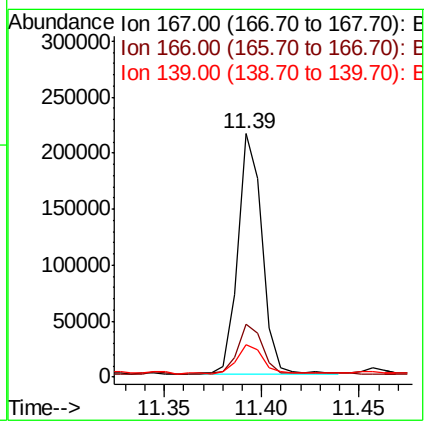
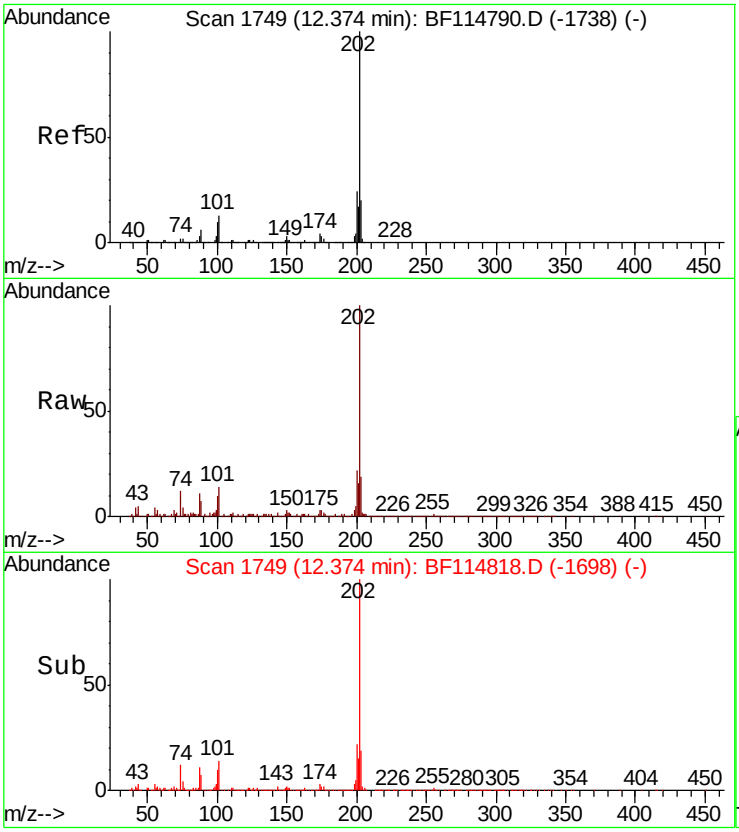


#73
Carbazole
Concen: 3.212 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:167 Resp: 185582

Ion	Ratio	Lower	Upper
167	100		
166	21.9	19.1	28.7
139	13.4	12.4	18.6

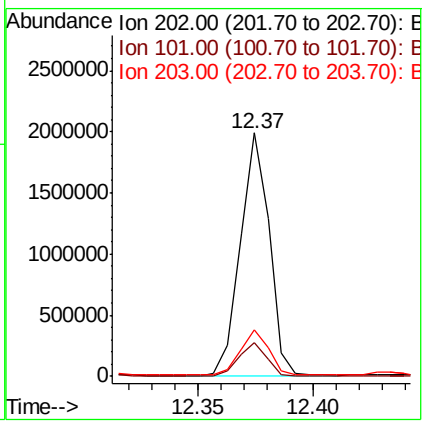




#75
Fluoranthene
Concen: 25.977 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:202 Resp: 1731373

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.8
203	19.0	0.2	40.2



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

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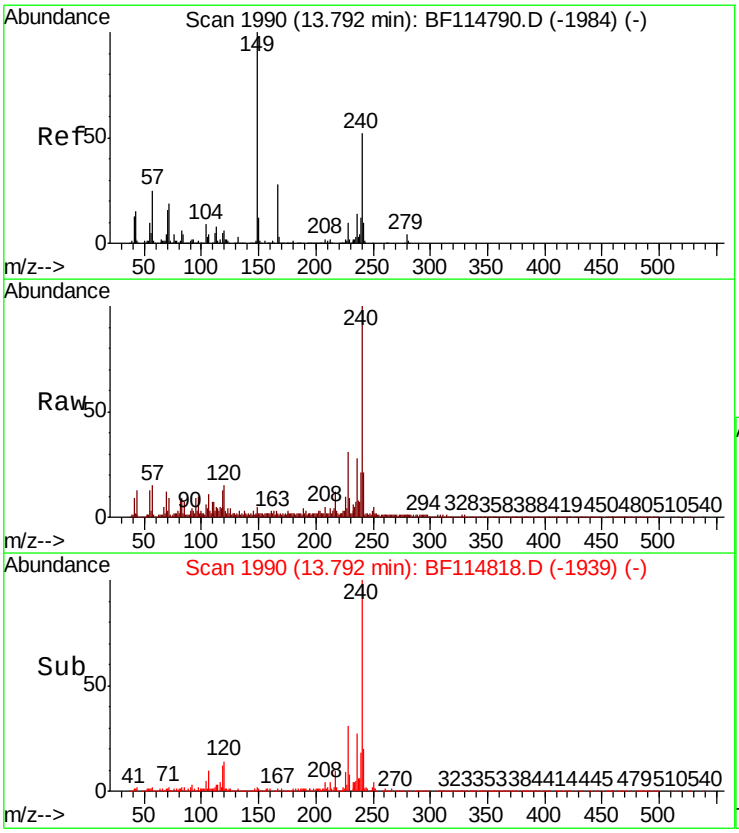
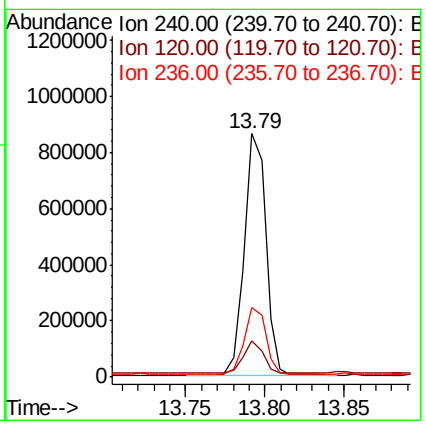
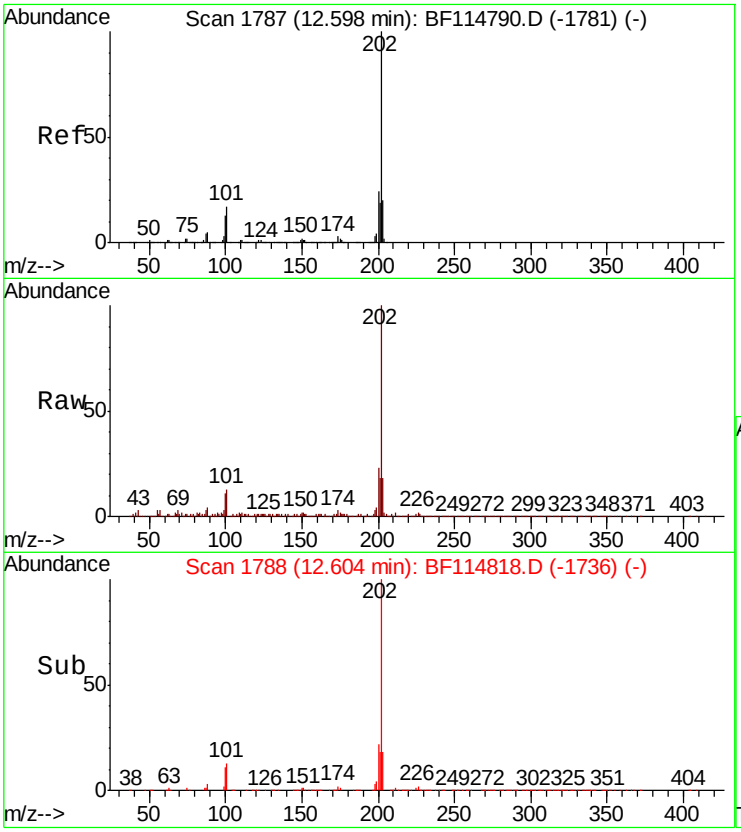


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:240 Resp: 813202

Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.0	13.4#
236	28.4	21.4	32.0

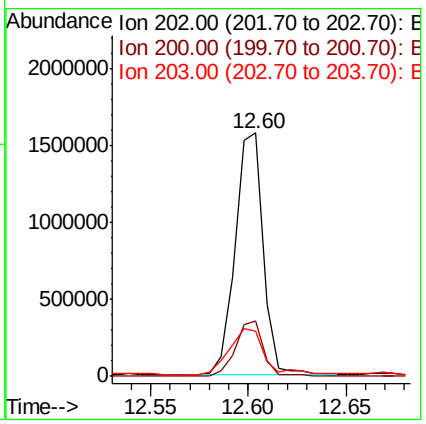




#78
Pyrene
Concen: 22.119 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:202 Resp: 1560421

Ion	Ratio	Lower	Upper
202	100		
200	22.6	19.2	28.8
203	18.5	15.9	23.9



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

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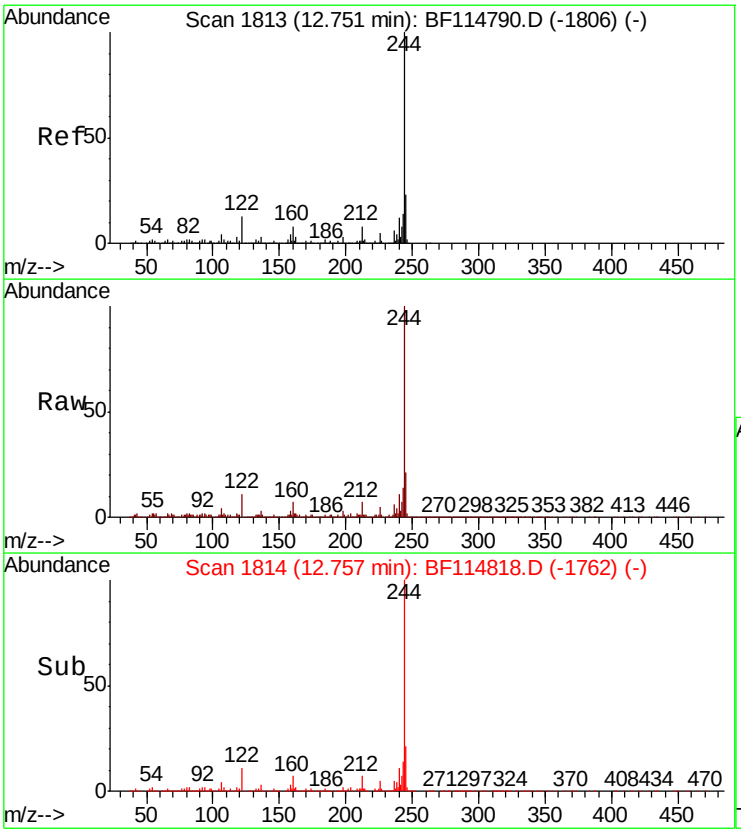
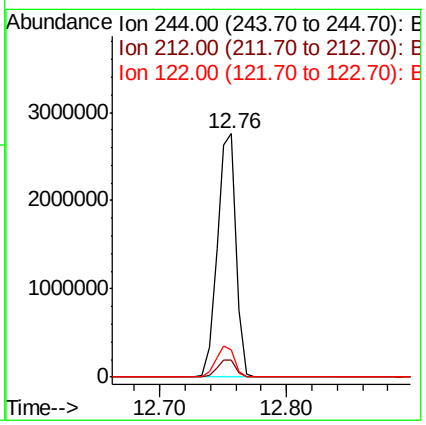
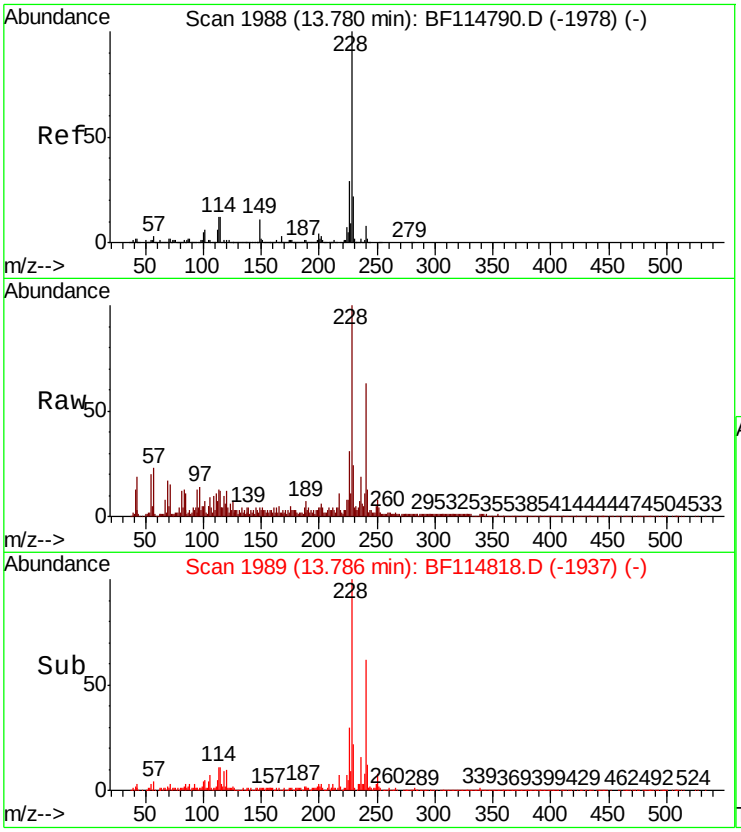


#79
Terphenyl-d14
Concen: 67.905 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:244 Resp: 2839436

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.5	9.7
122	11.3	10.5	15.7

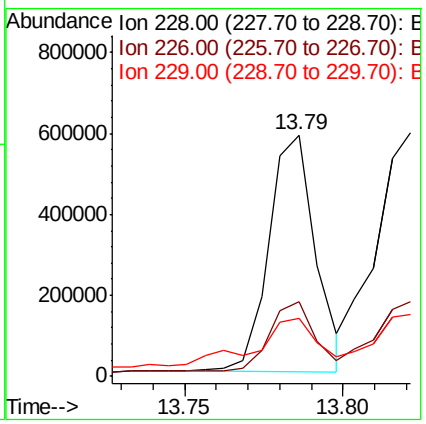




#81
Benzo(a)anthracene
Concen: 9.530 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:228 Resp: 597208

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	24.1	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
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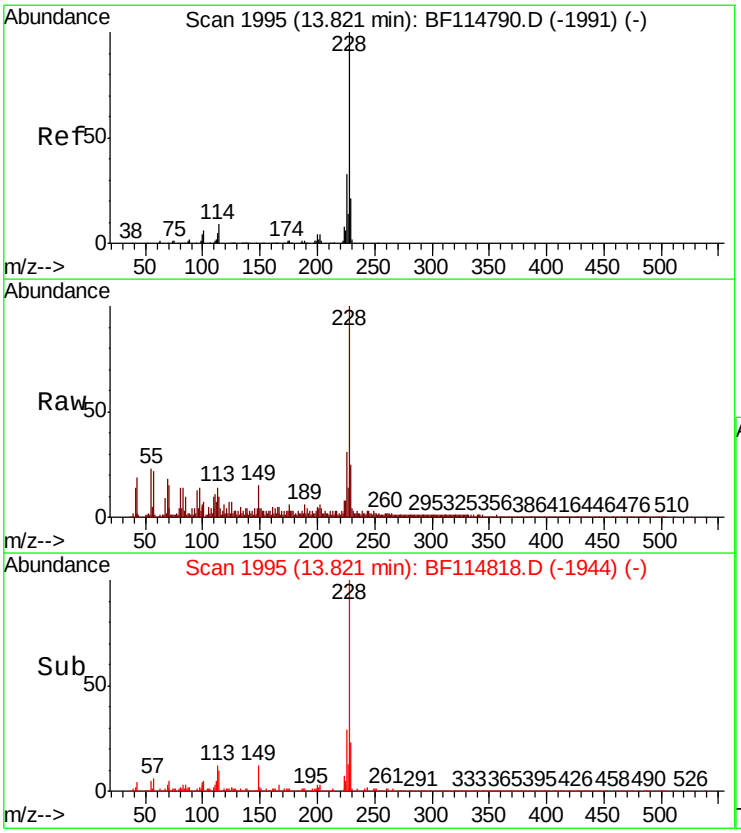
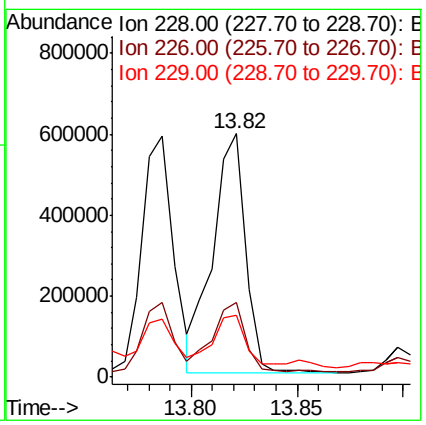
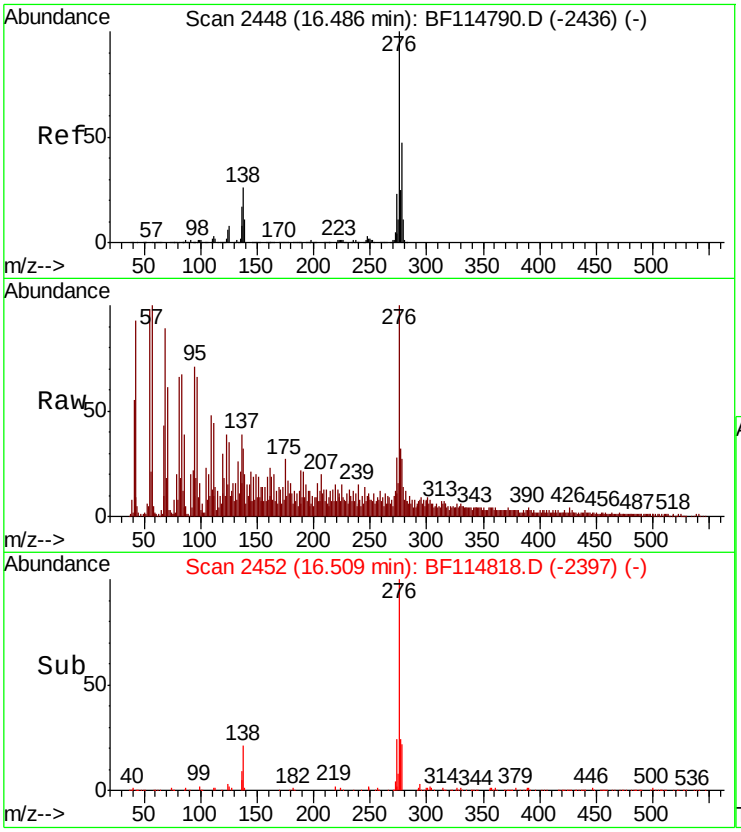


#83
Chrysene
Concen: 10.438 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:228 Resp: 636315

Ion	Ratio	Lower	Upper
228	100		
226	30.7	26.0	39.0
229	25.4	17.1	25.7

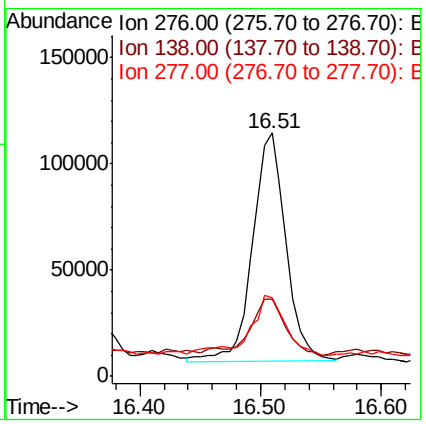




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.979 ng
RT: 16.51 min Scan# 2452
Delta R.T. 0.02 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:276 Resp: 207228

Ion	Ratio	Lower	Upper
276	100		
138	25.0	22.2	33.4
277	28.5	20.6	30.8



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

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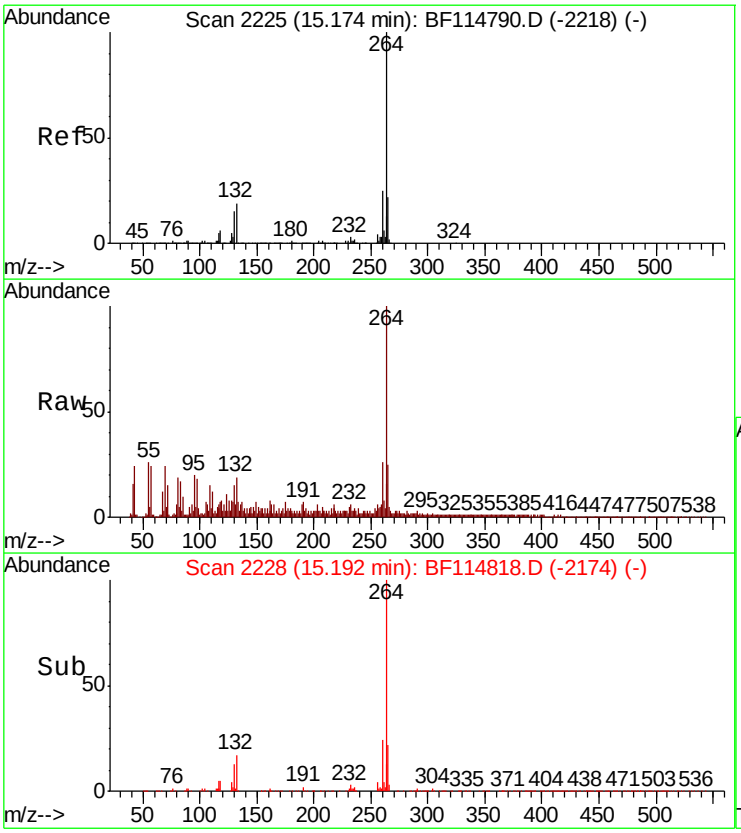
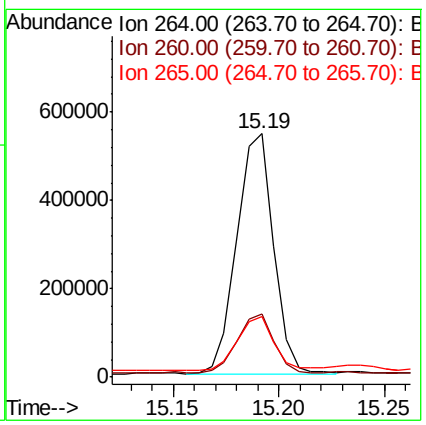
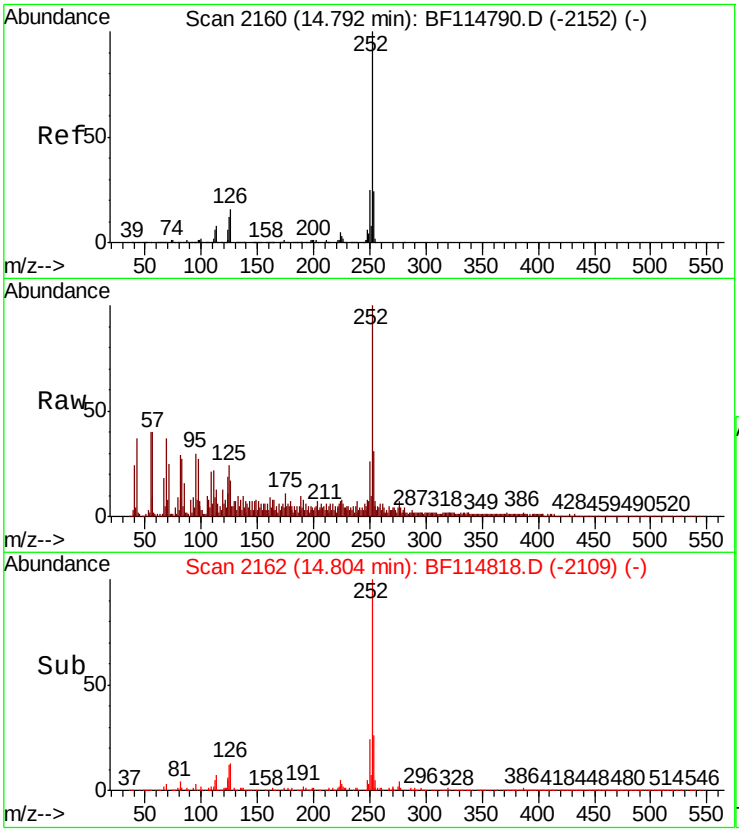


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:264 Resp: 654057

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	24.7	17.7	26.5





#88
Benzo(b)fluoranthene
Concen: 11.645 ng m
RT: 14.80 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:252 Resp: 484874

Ion	Ratio	Lower	Upper
252	100		
253	31.1	19.0	28.6#
125	24.0	9.4	14.0#

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

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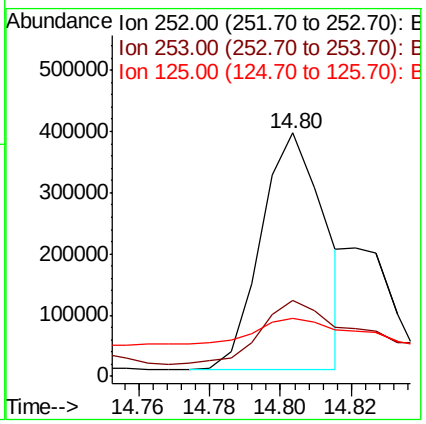
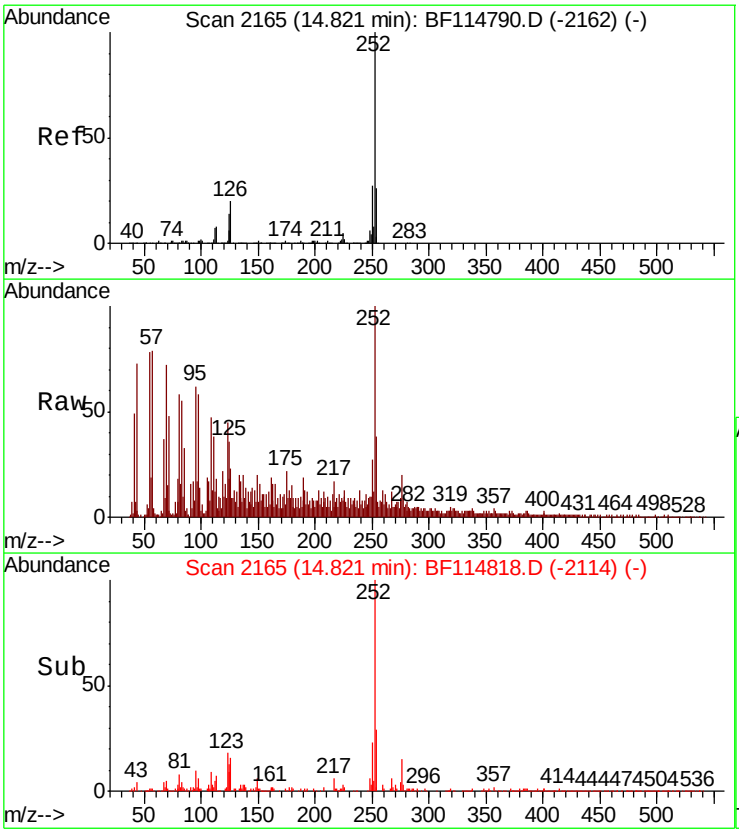
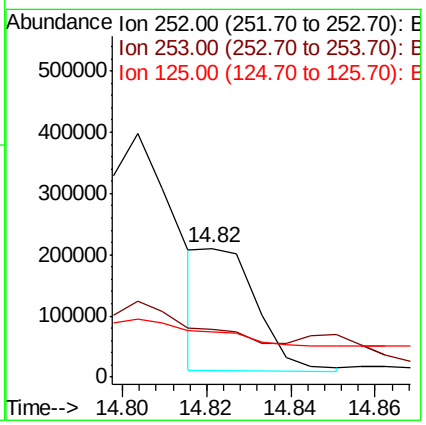


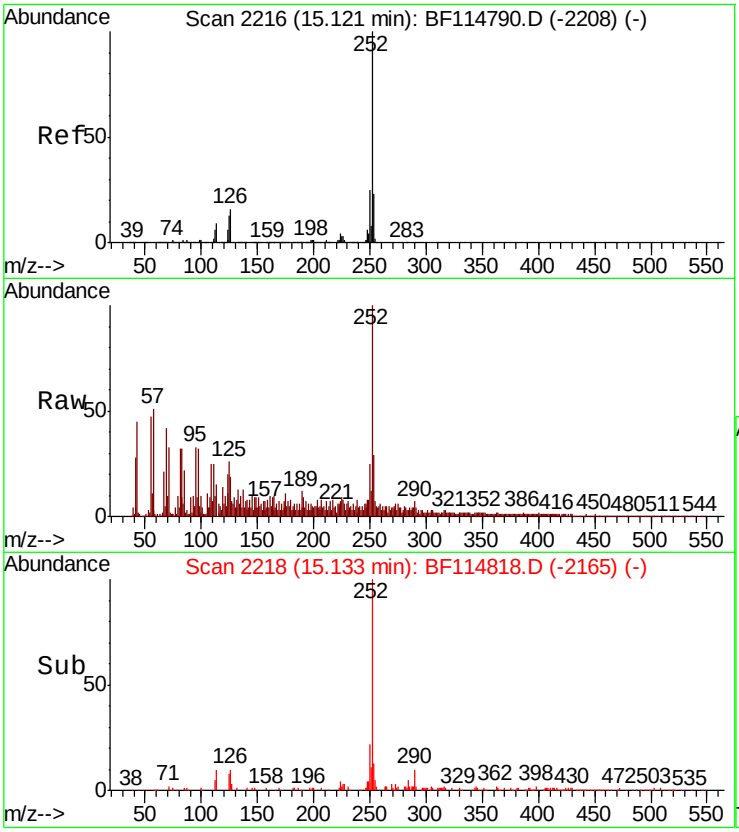


#89
Benzo(k)fluoranthene
Concen: 5.169 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:252 Resp: 182780

Ion	Ratio	Lower	Upper
252	100		
253	37.5	19.3	28.9#
125	35.7	10.1	15.1#





#90
Benzo(a)pyrene
Concen: 9.336 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:252 Resp: 336468

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.5	27.7#
125	26.3	10.1	15.1#

Instrument :
BNA_F
ClientSampleId :
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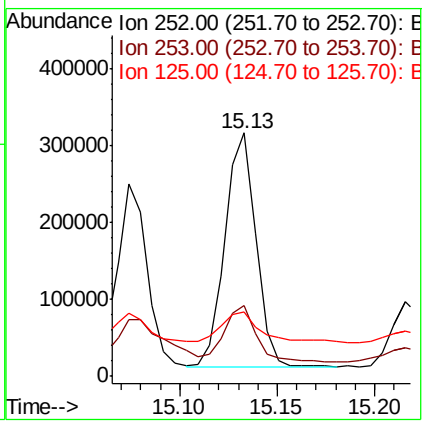

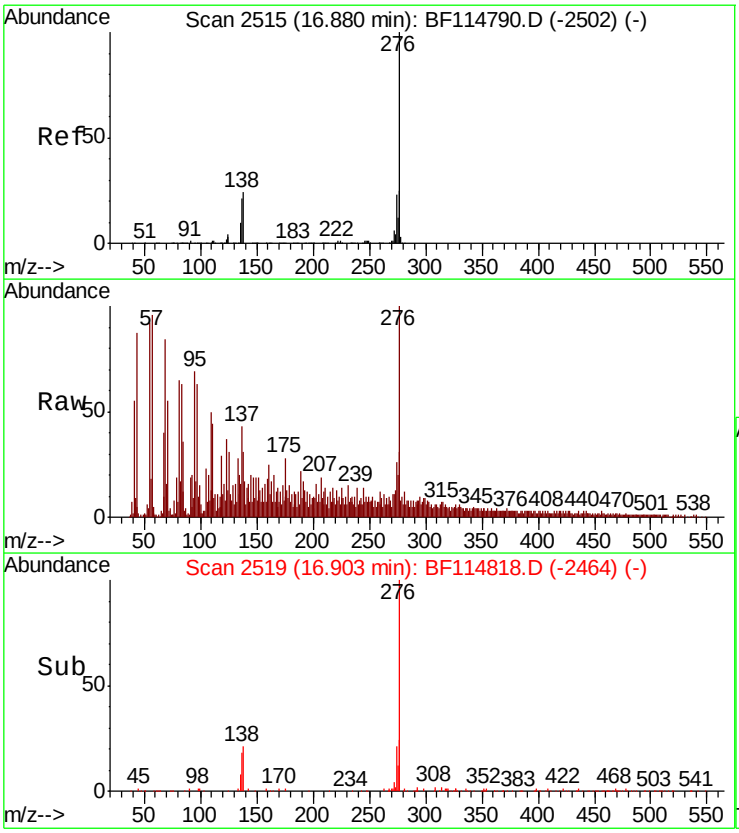

#92
Benzo(g,h,i)perylene
Concen: 5.833 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.02 min
Lab File: BF114818.D
Acq: 5 Jun 2019 13:58

Tgt Ion:276 Resp: 200197

Ion	Ratio	Lower	Upper
276	100		
277	31.4	19.8	29.6#
138	30.8	19.4	29.2#