Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118546.D
Acq On : 13 Jan 2020 22:30
Operator : JU
Sample : L1103-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-MW-14(2-2.5)

Manual Integrations APPROVED
mohammad
1/14/2020 2:31:57 PM

Quant Time: Jan 14 13:58:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	133375	20.00	ng		-0.02
21) Naphthalene-d8	8.10	136	513353	20.00	ng		-0.02
39) Acenaphthene-d10	9.86	164	262942	20.00	ng		-0.02
64) Phenanthrene-d10	11.36	188	383789	20.00	ng		-0.02
76) Chrysene-d12	14.02	240	319395	20.00	ng		-0.02
87) Perylene-d12	15.50	264	318687	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	374276	46.32	ng		-0.01
7) Phenol-d6	6.46	99	474160	49.09	ng		-0.02
23) Nitrobenzene-d5	7.38	82	263923	27.01	ng		-0.02
42) 2,4,6-Tribromophenol	10.66	330	133714	43.10	ng		-0.02
45) 2-Fluorobiphenyl	9.17	172	561166	30.61	ng		-0.03
79) Terphenyl-d14	12.95	244	550649	27.32	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.12	128	582396	21.689	ng		99
37) 2-Methylnaphthalene	8.82	142	99792m	5.415	ng		
38) 1-Methylnaphthalene	8.92	142	76366	4.413	ng	#	99
49) Acenaphthylene	9.72	152	453988	17.936	ng		99
50) Dimethylphthalate	9.57	163	63764	3.160	ng		97
52) Acenaphthene	9.89	154	34101	2.206	ng		99
55) Dibenzofuran	10.07	168	91092	3.924	ng		96
58) Fluorene	10.41	166	171014	9.164	ng		100
71) Phenanthrene	11.39	178	1246393	57.974	ng		99
72) Anthracene	11.43	178	372147	17.399	ng		99
73) Carbazole	11.59	167	45465	2.454	ng	#	85
75) Fluoranthene	12.60	202	2004427	91.727	ng		98
78) Pyrene	12.83	202	1896977	72.188	ng		98
81) Benzo(a)anthracene	14.01	228	1341164	59.991	ng		97
83) Chrysene	14.04	228	1084950	49.942	ng		95
86) Indeno(1,2,3-cd)pyrene	16.99	276	419534	23.987	ng		95
88) Benzo(b)fluoranthene	15.07	252	1516352m	65.812	ng		
89) Benzo(k)fluoranthene	15.09	252	471612m	21.444	ng		
90) Benzo(a)pyrene	15.44	252	961146	50.904	ng		99
91) Dibenzo(a,h)anthracene	16.99	278	130734m	7.384	ng		
92) Benzo(g,h,i)perylene	17.44	276	392935	23.423	ng		98

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

Manual Integrations APPROVED
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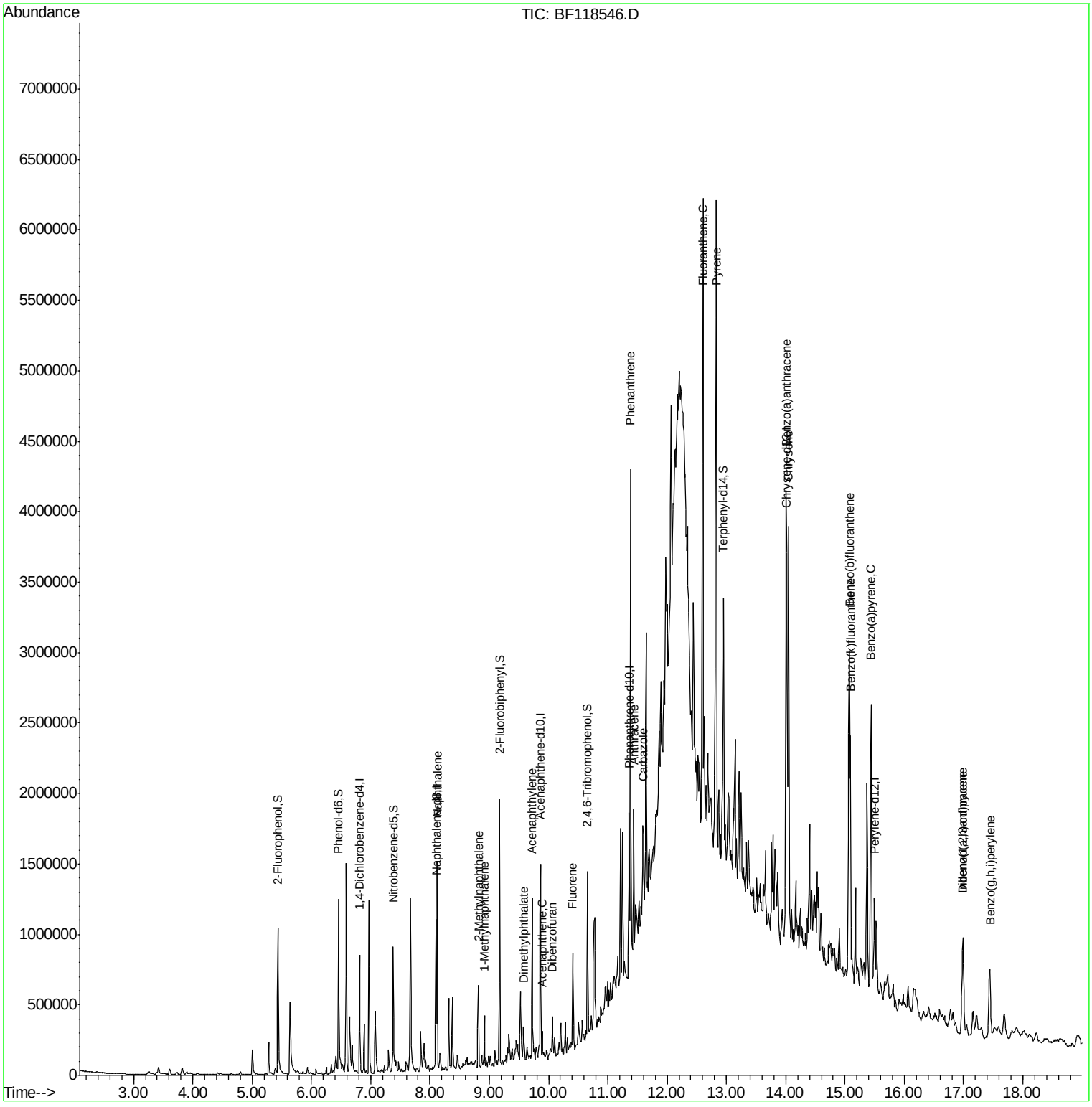
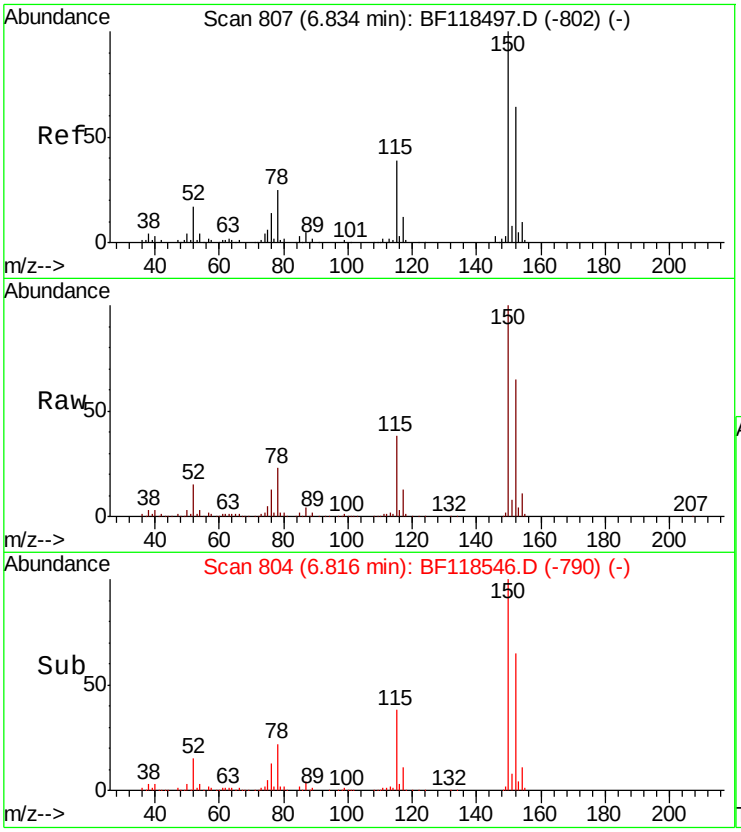
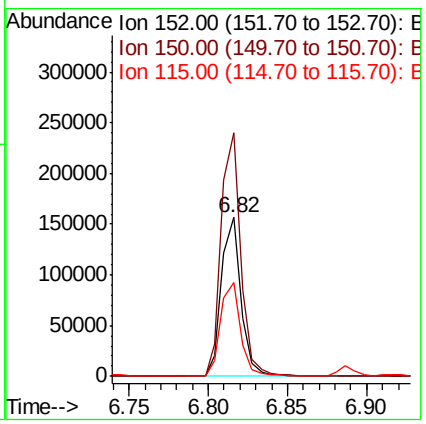




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:152 Resp: 133375

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.7	187.1
115	59.1	49.0	73.6



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

Manual Integrations APPROVED
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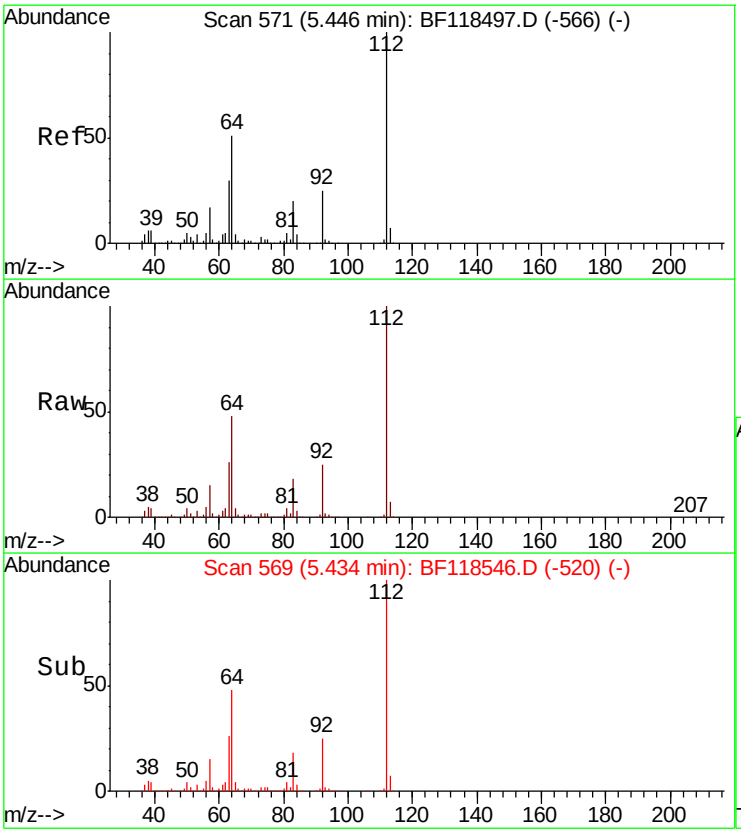
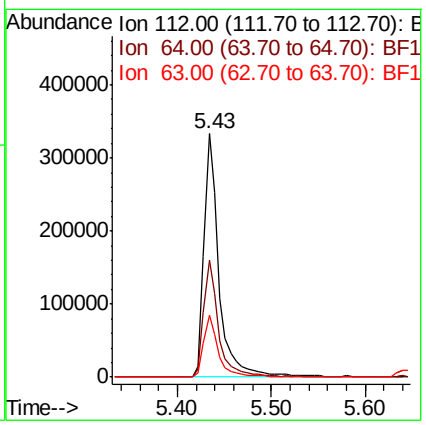
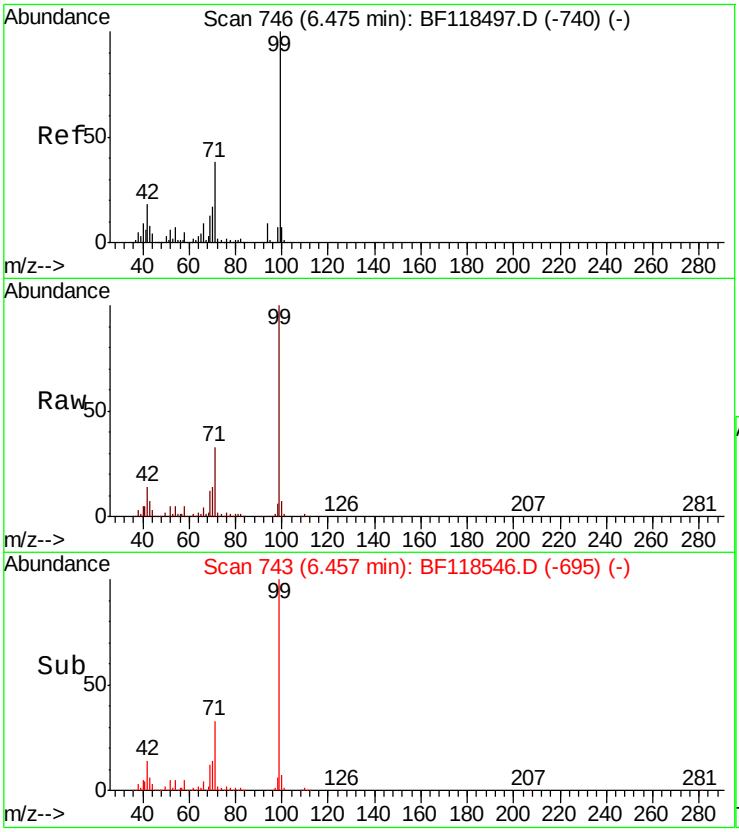


#5
2-Fluorophenol
Concen: 46.323 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:112 Resp: 374276

Ion	Ratio	Lower	Upper
112	100		
64	48.2	41.1	61.7
63	25.6	24.1	36.1

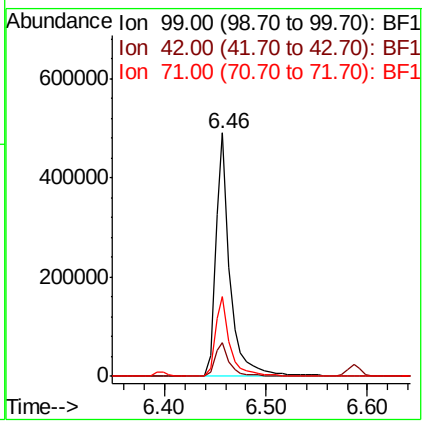




#7
Phenol-d6
Concen: 49.086 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion: 99 Resp: 474160

Ion	Ratio	Lower	Upper
99	100		
42	13.9	14.5	21.7#
71	32.9	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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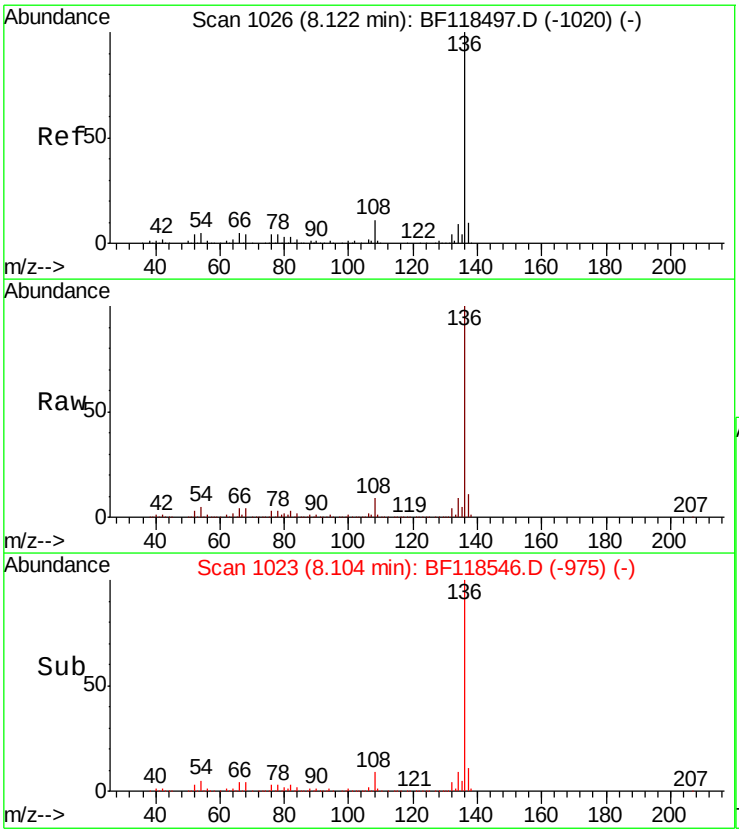
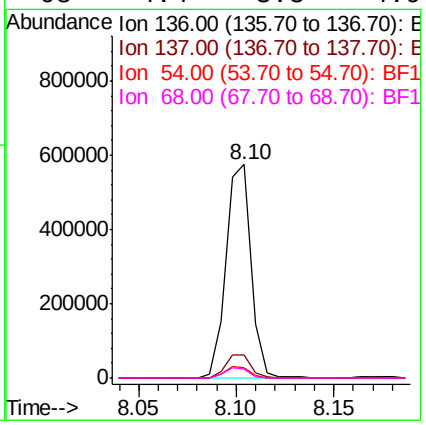
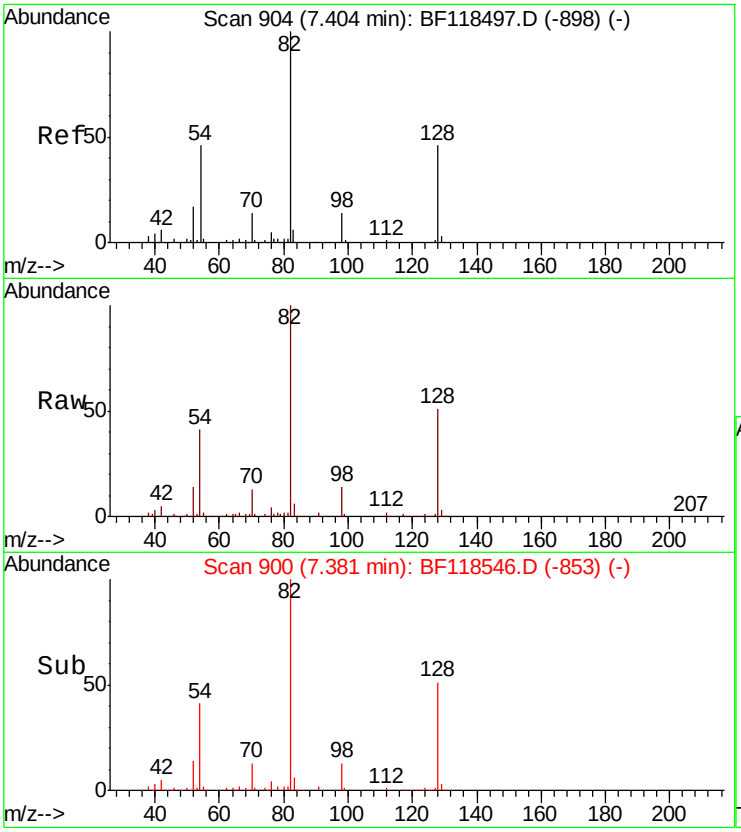


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:136 Resp: 513353

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.3	12.5
54	4.9	4.2	6.2
68	4.4	3.3	4.9

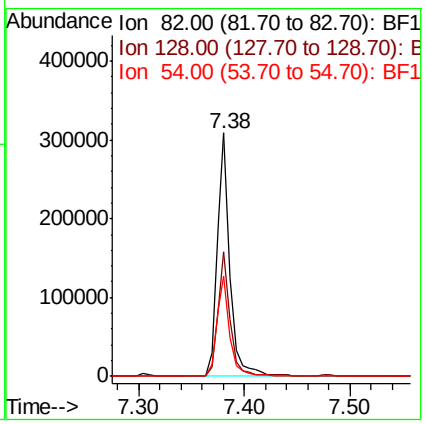




#23
Nitrobenzene-d5
Concen: 27.007 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion: 82 Resp: 263923

Ion	Ratio	Lower	Upper
82	100		
128	51.4	36.6	54.8
54	41.1	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

Manual Integrations APPROVED
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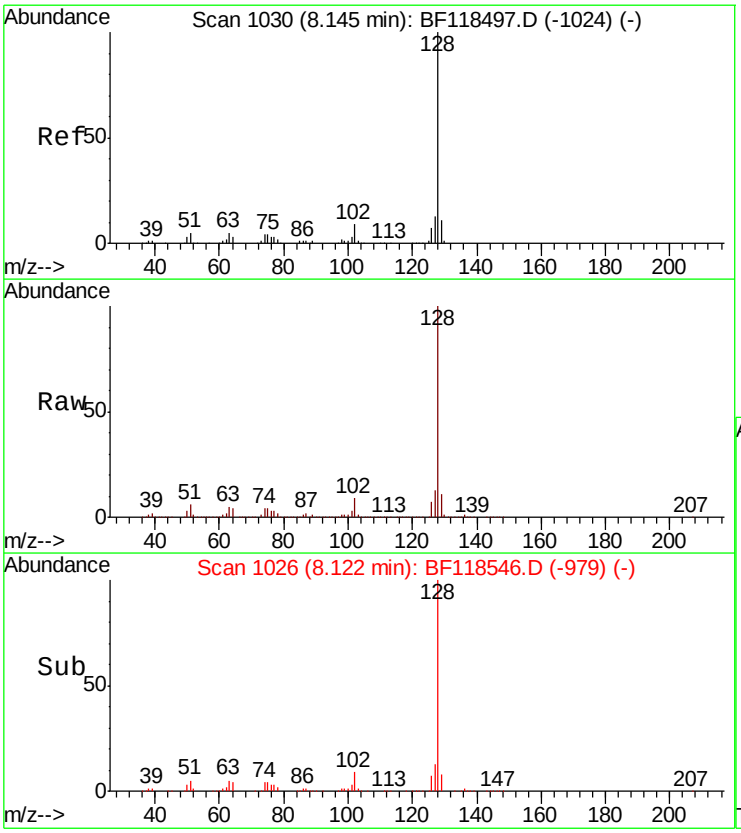
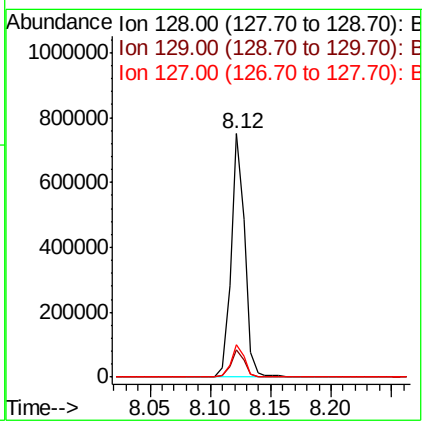
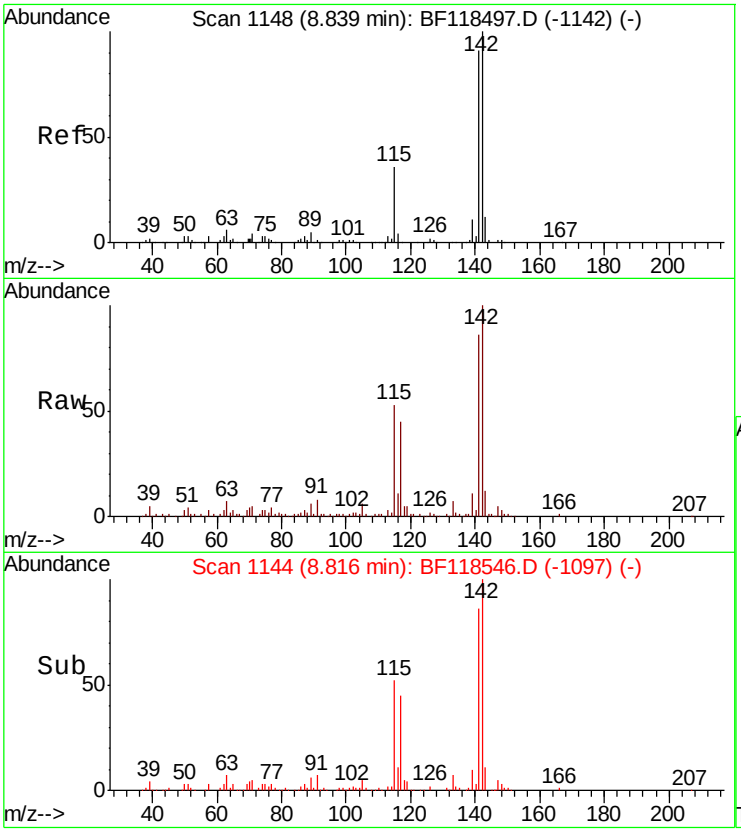


#31
Naphthalene
Concen: 21.689 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:128 Resp: 582396

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.2	10.7	16.1

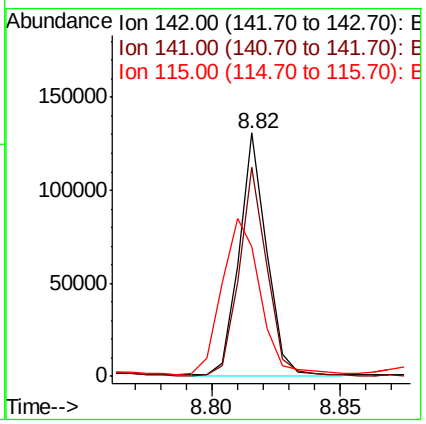




#37
2-Methylnaphthalene
Concen: 5.415 ng m
RT: 8.82 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:142 Resp: 99792

Ion	Ratio	Lower	Upper
142	100		
141	86.0	73.0	109.6
115	53.1	28.4	42.6#



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

Manual Integrations APPROVED
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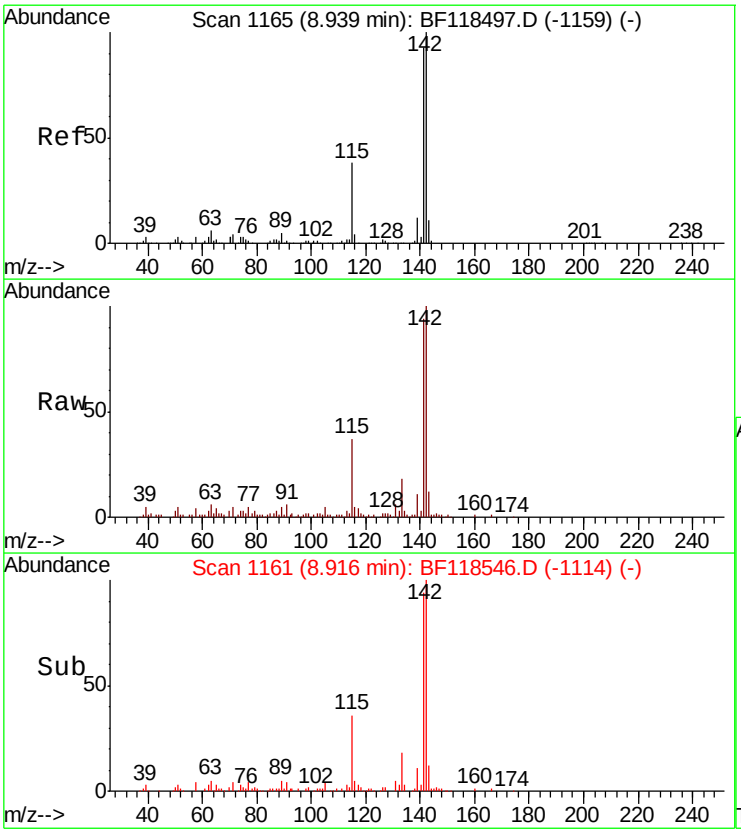
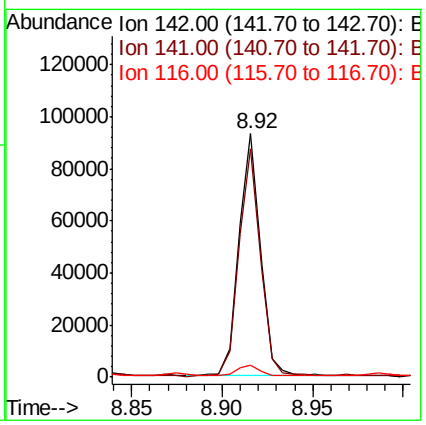
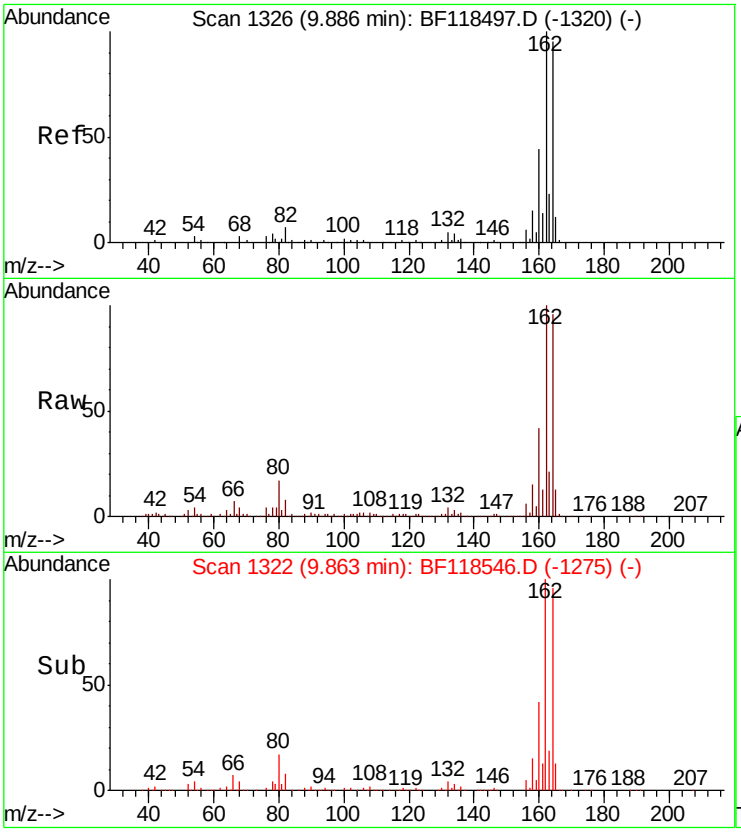


#38
1-Methylnaphthalene
Concen: 4.413 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:142 Resp: 76366

Ion	Ratio	Lower	Upper
142	100		
141	93.6	74.3	111.5
116	5.0	3.2	4.8#

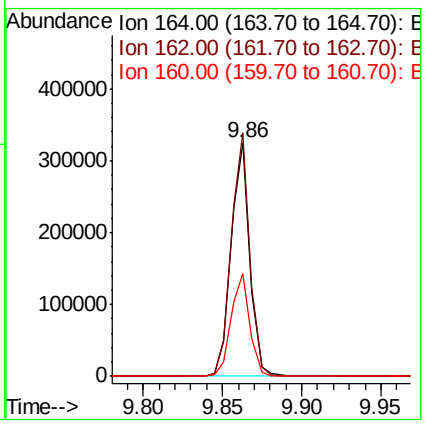




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:164 Resp: 262942

Ion	Ratio	Lower	Upper
164	100		
162	104.0	84.2	126.4
160	43.9	36.8	55.2



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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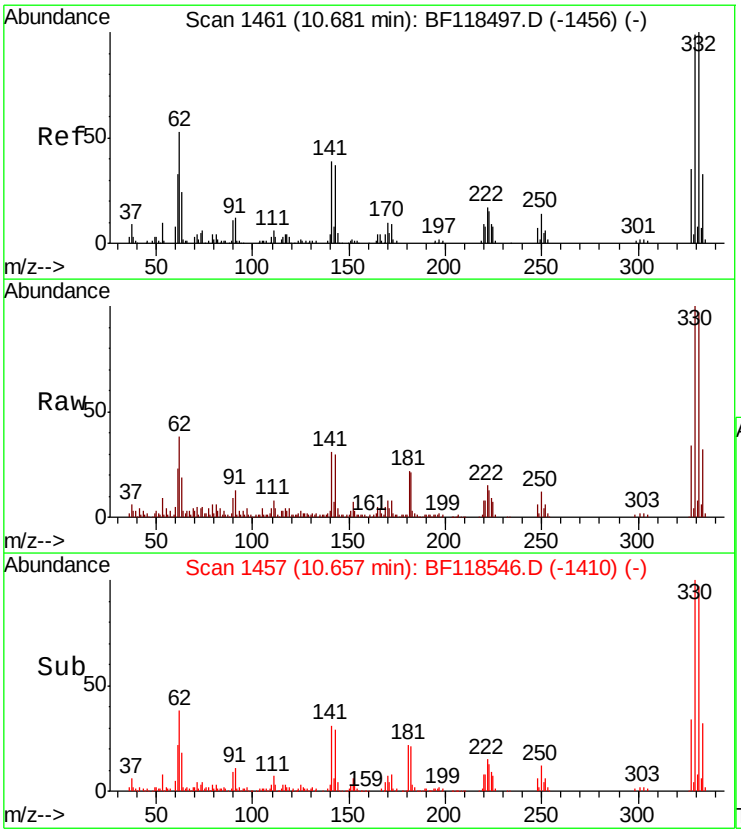
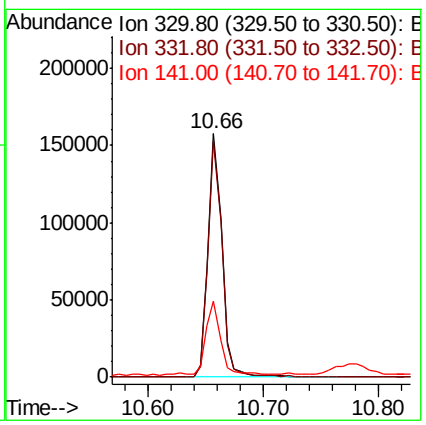
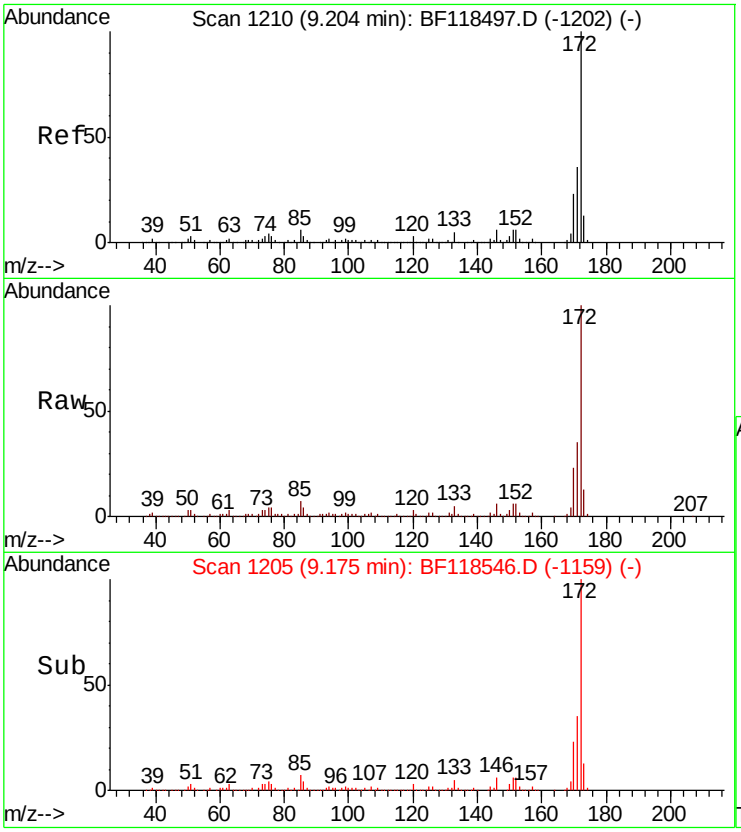


#42
2,4,6-Tribromophenol
Concen: 43.096 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:330 Resp: 133714

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.9	116.9
141	31.9	28.6	43.0

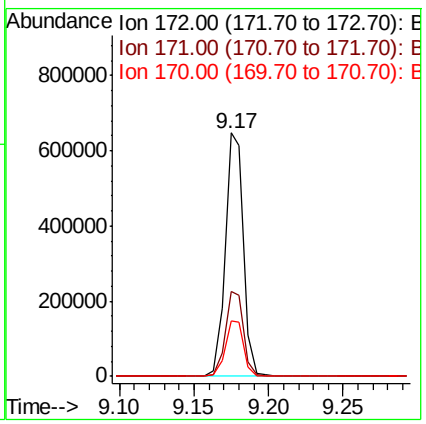




#45
2-Fluorobiphenyl
Concen: 30.608 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:172 Resp: 561166

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	22.5	18.6	27.8



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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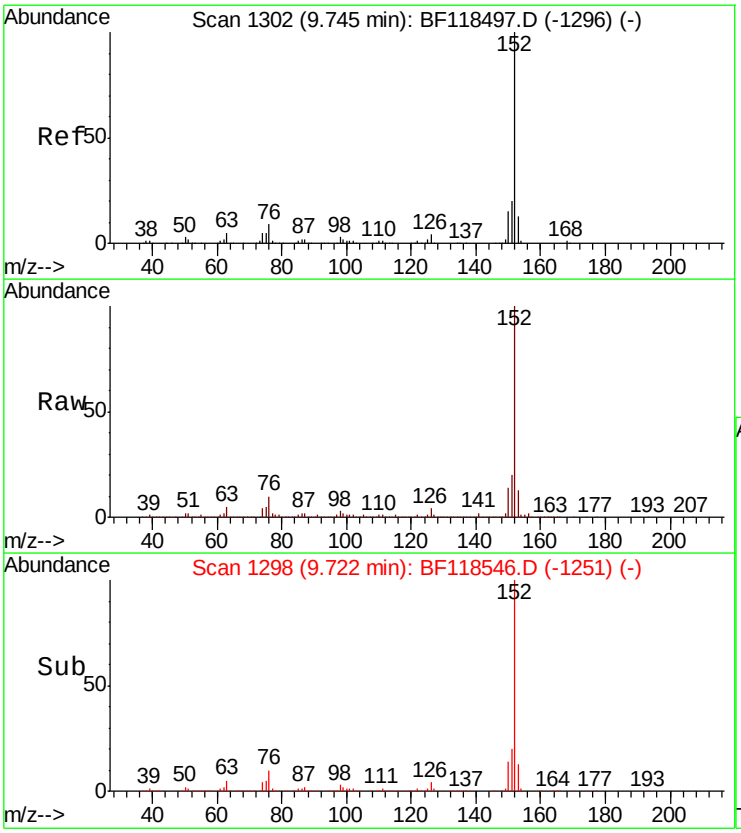
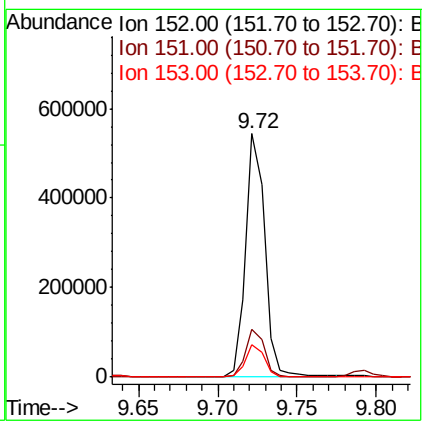
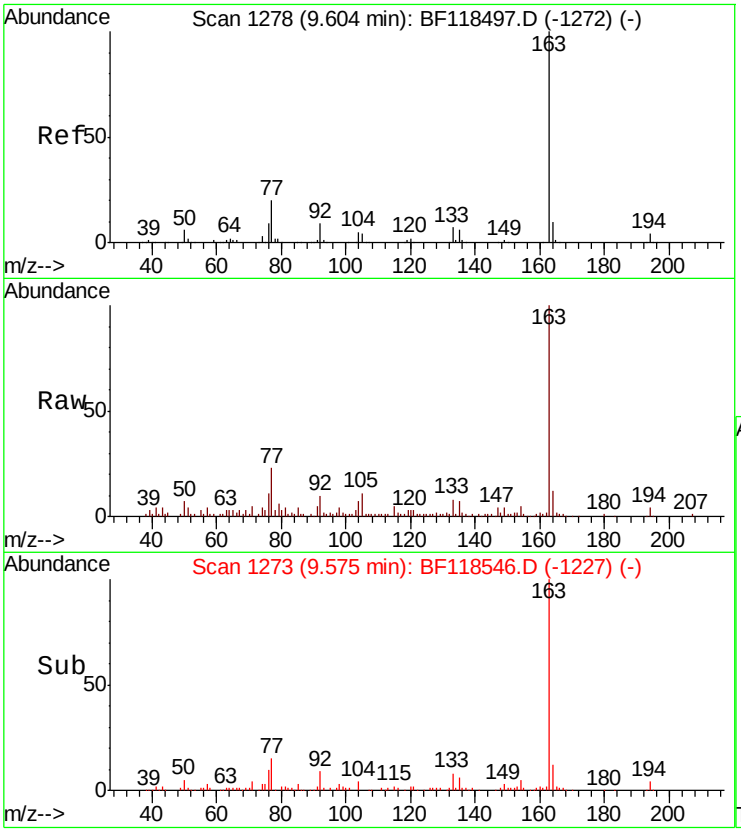


#49
Acenaphthylene
Concen: 17.936 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:152 Resp: 453988

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.2	10.6	16.0

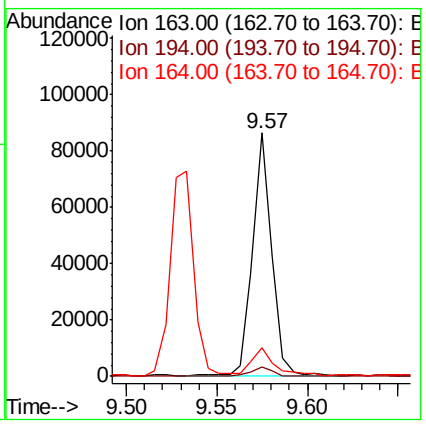




#50
Dimethylphthalate
Concen: 3.160 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:163 Resp: 63764

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	11.5	8.1	12.1



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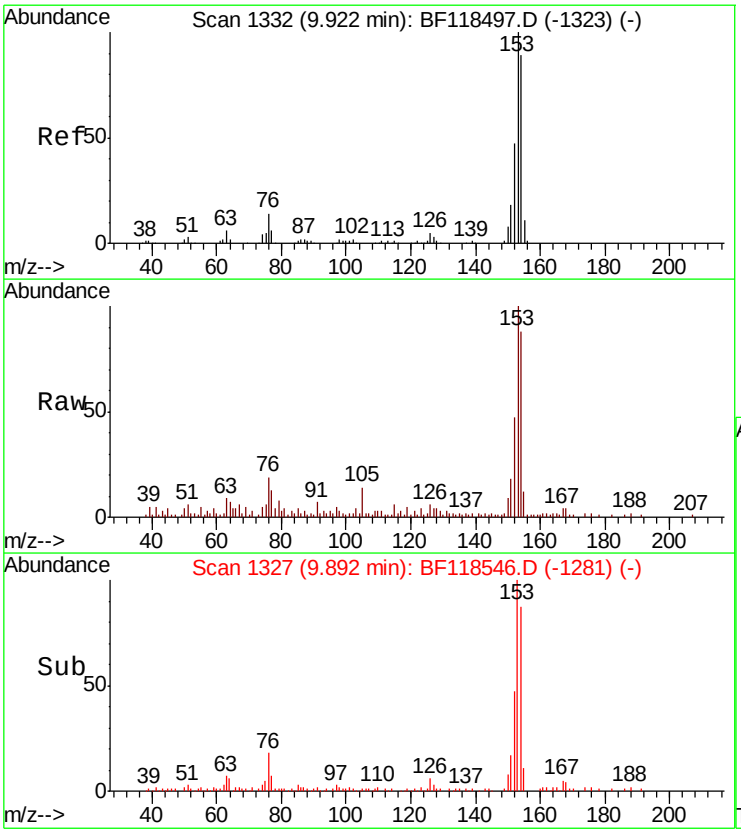
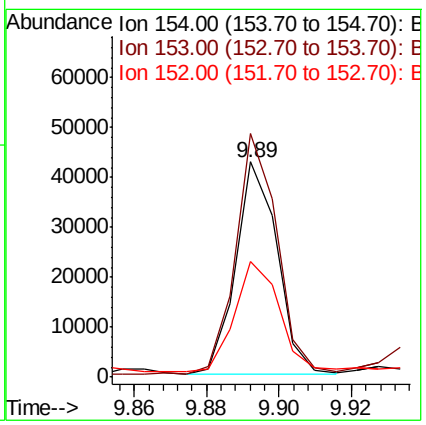
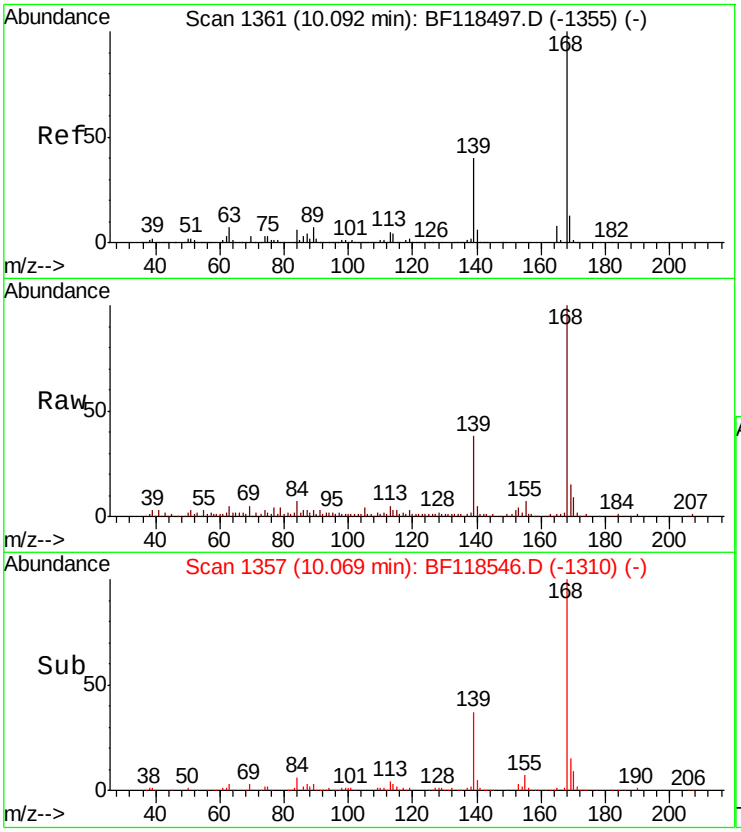


#52
Acenaphthene
Concen: 2.206 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:154 Resp: 34101

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.7	134.5
152	53.6	41.9	62.9

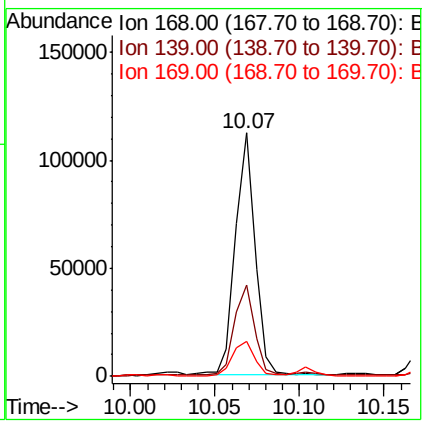




#55
Dibenzofuran
Concen: 3.924 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:168 Resp: 91092

Ion	Ratio	Lower	Upper
168	100		
139	37.6	32.5	48.7
169	14.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

Manual Integrations APPROVED
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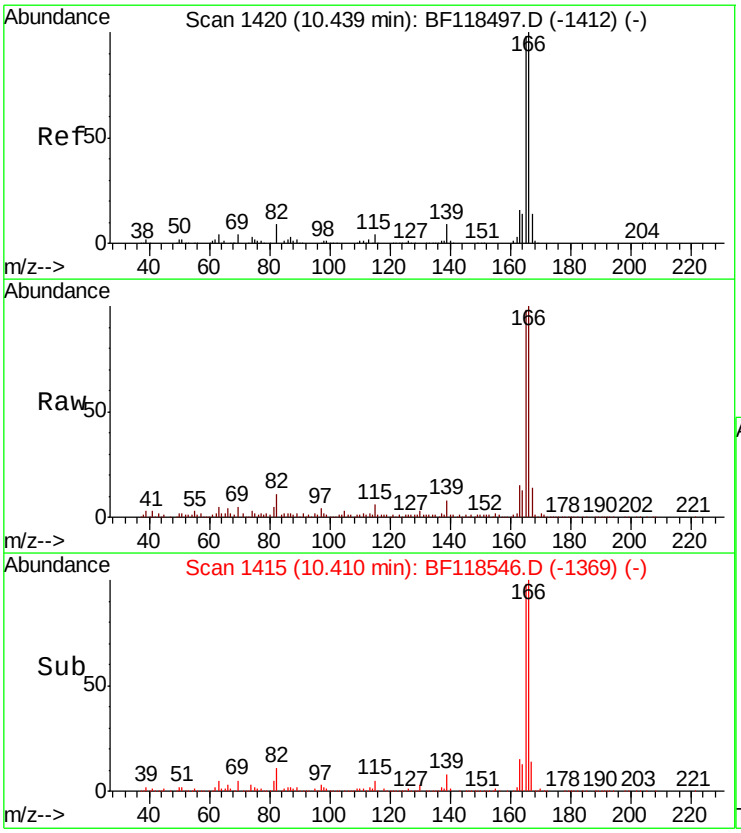
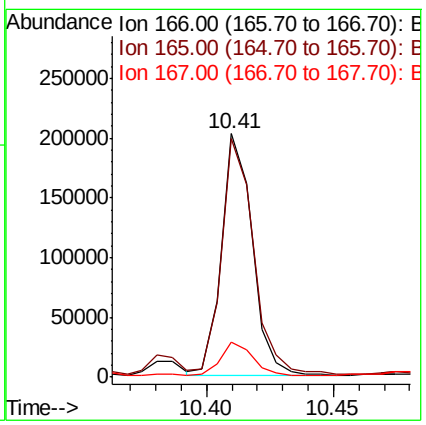
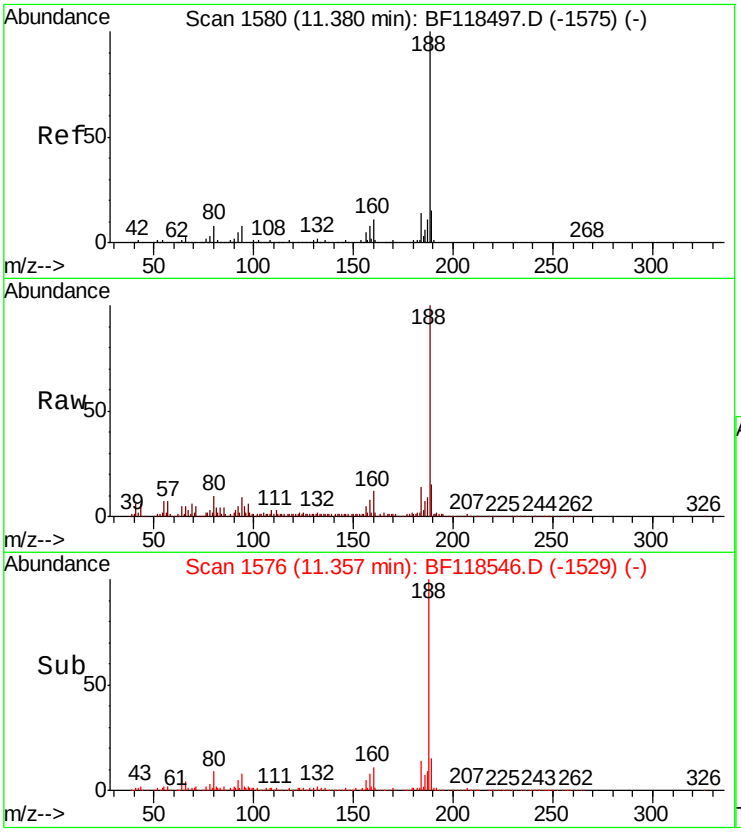


#58
Fluorene
Concen: 9.164 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.03 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:166 Resp: 171014

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	14.2	10.8	16.2

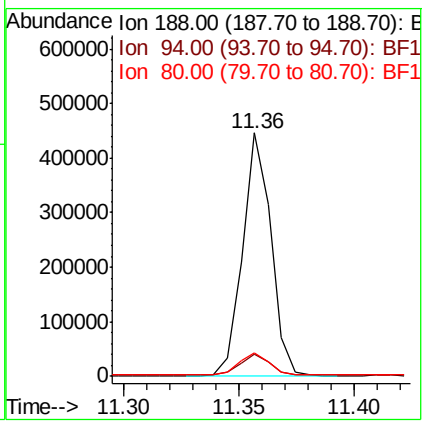




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:188 Resp: 383789

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.2	9.4
80	9.8	6.6	10.0



Instrument :
BNA_F
ClientSampleId :
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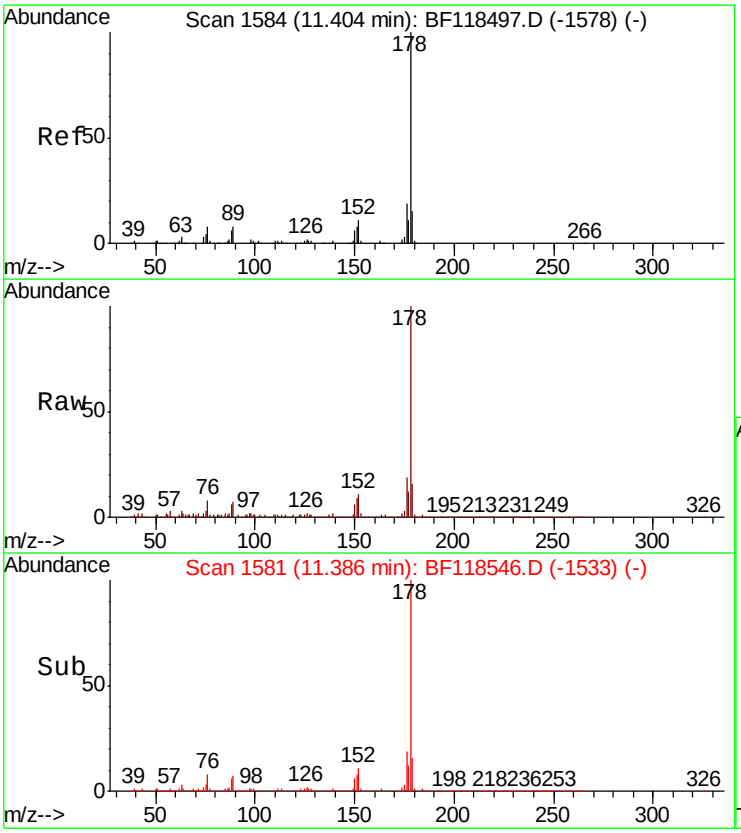
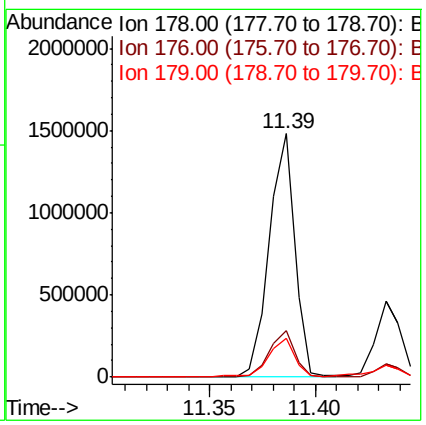
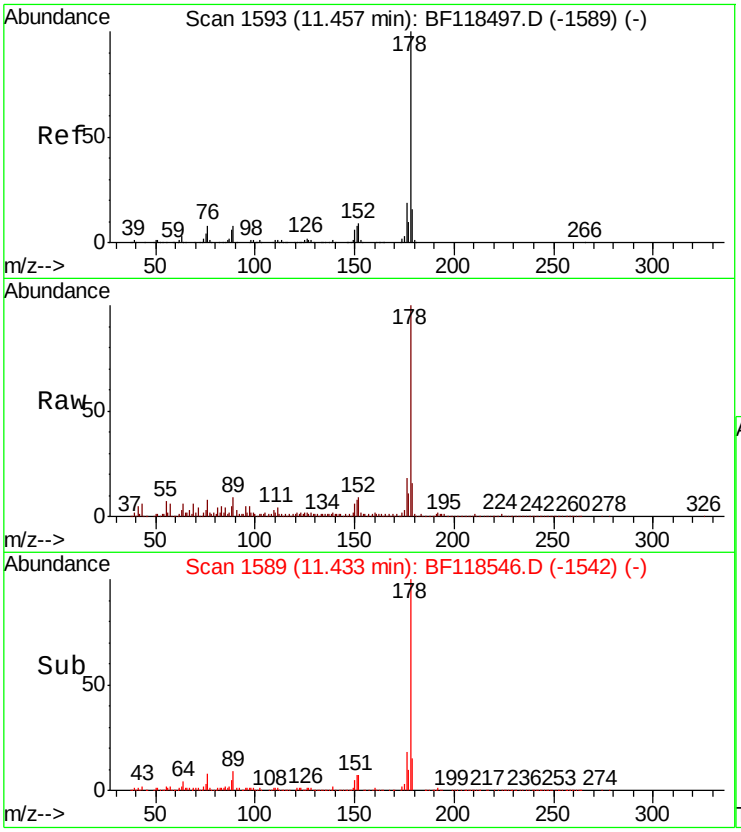


#71
Phenanthrene
Concen: 57.974 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:178 Resp: 1246393

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	16.0	12.3	18.5





#72
Anthracene
Concen: 17.399 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:178 Resp: 372147

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.2	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
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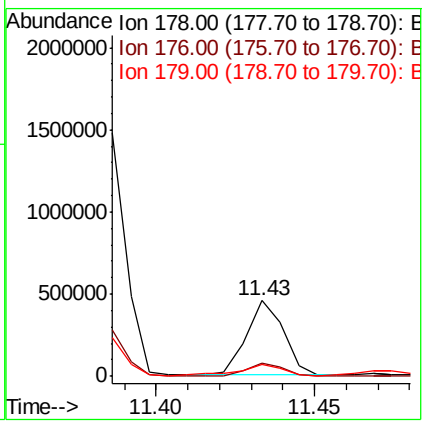
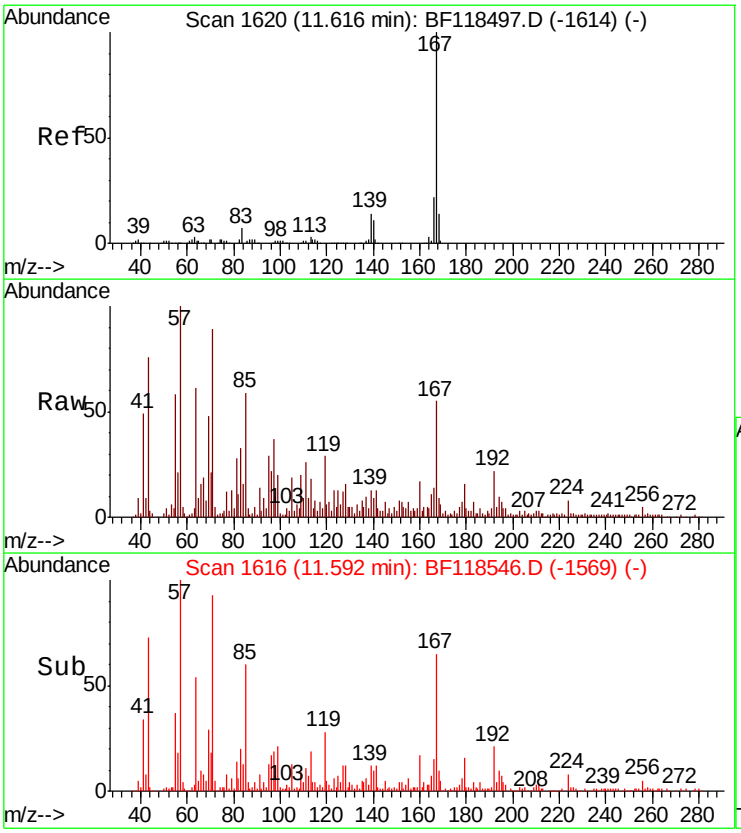
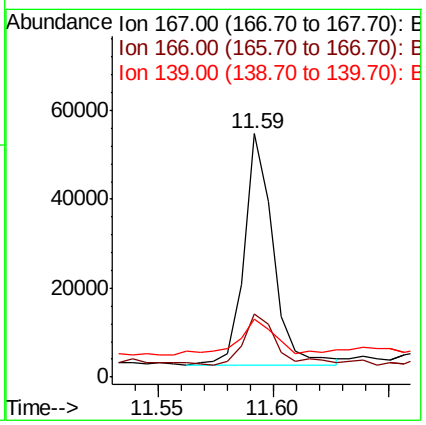


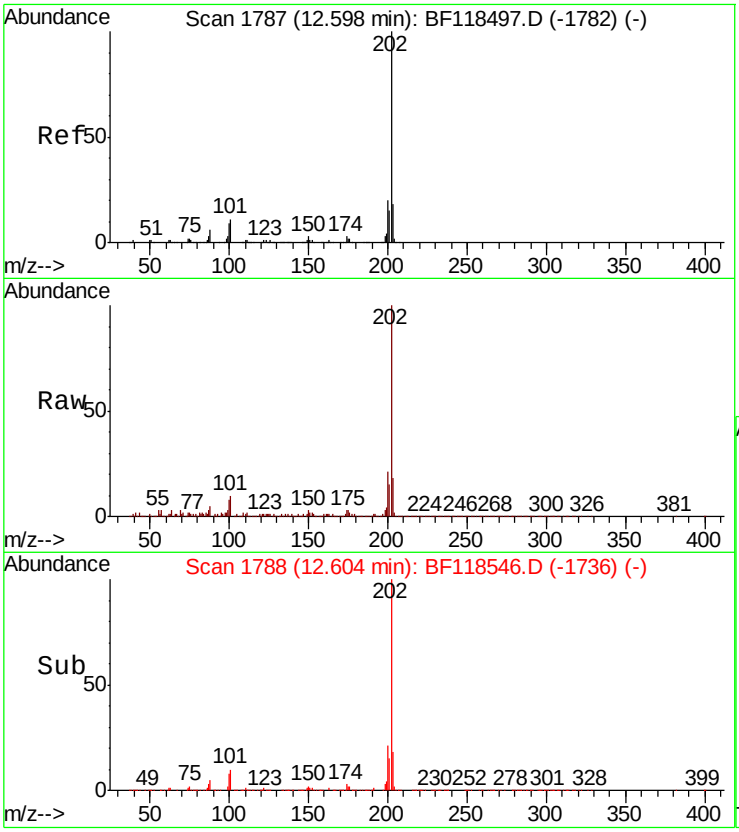


#73
Carbazole
Concen: 2.454 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:167 Resp: 45465

Ion	Ratio	Lower	Upper
167	100		
166	25.7	17.4	26.2
139	23.8	10.9	16.3#

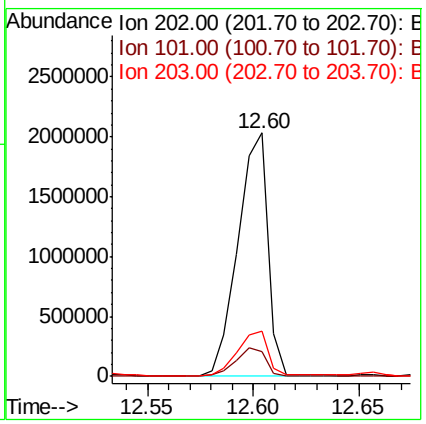




#75
Fluoranthene
Concen: 91.727 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:202 Resp: 2004427

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	18.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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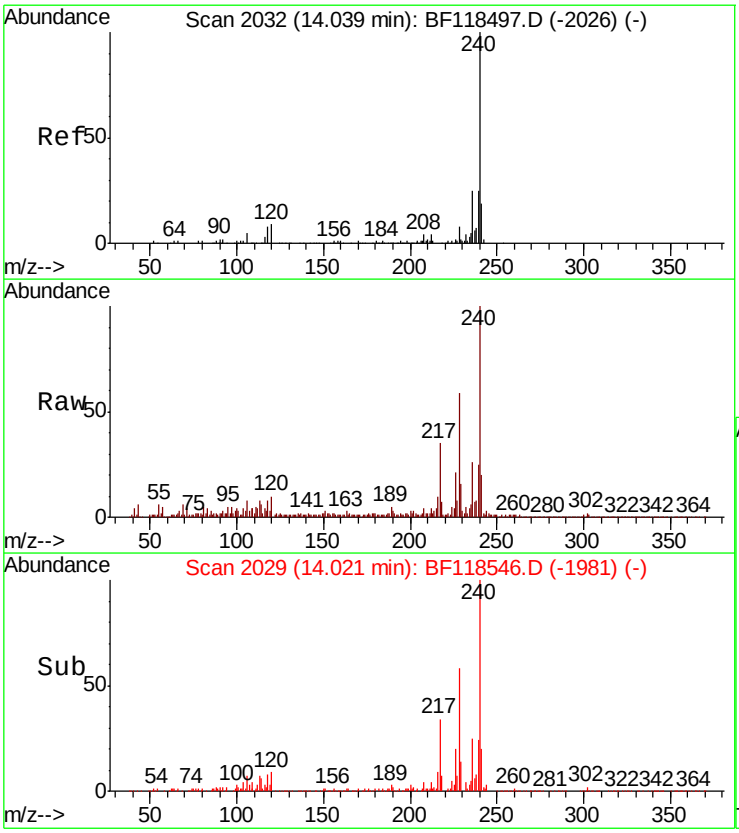
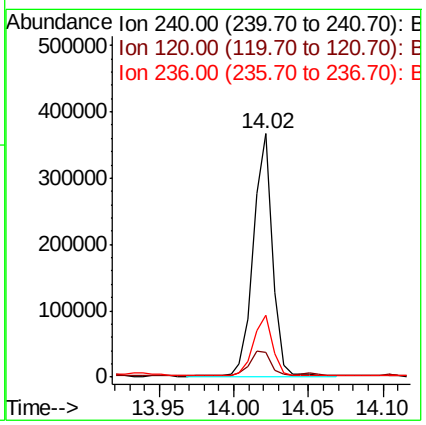
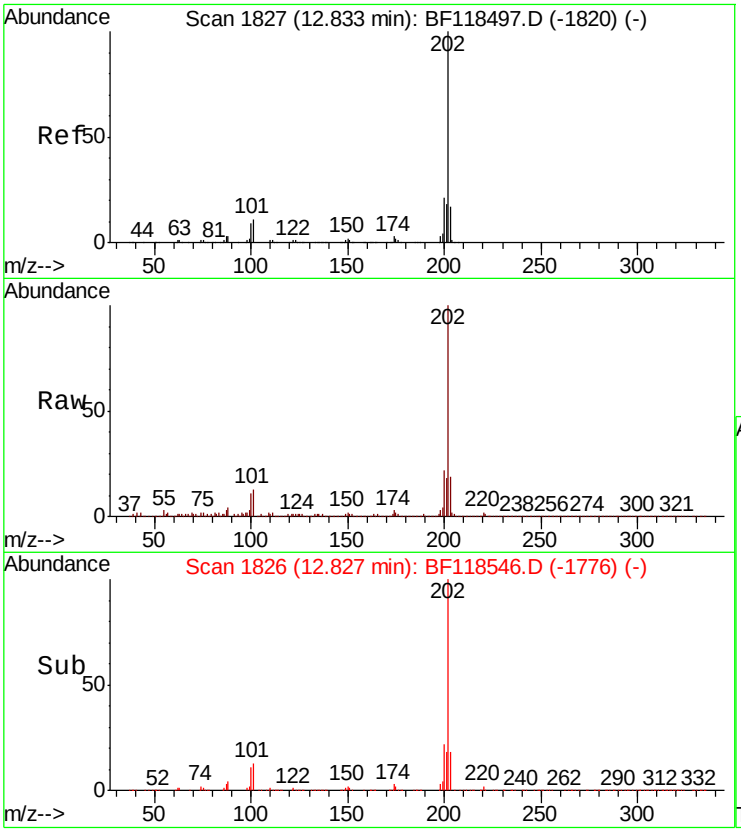


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:240 Resp: 319395

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.0	10.6
236	25.5	20.1	30.1

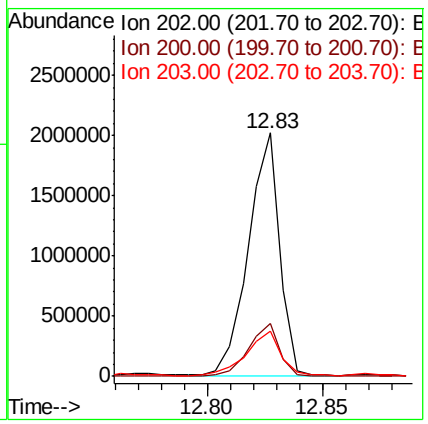




#78
Pyrene
Concen: 72.188 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:202 Resp: 1896977

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	18.6	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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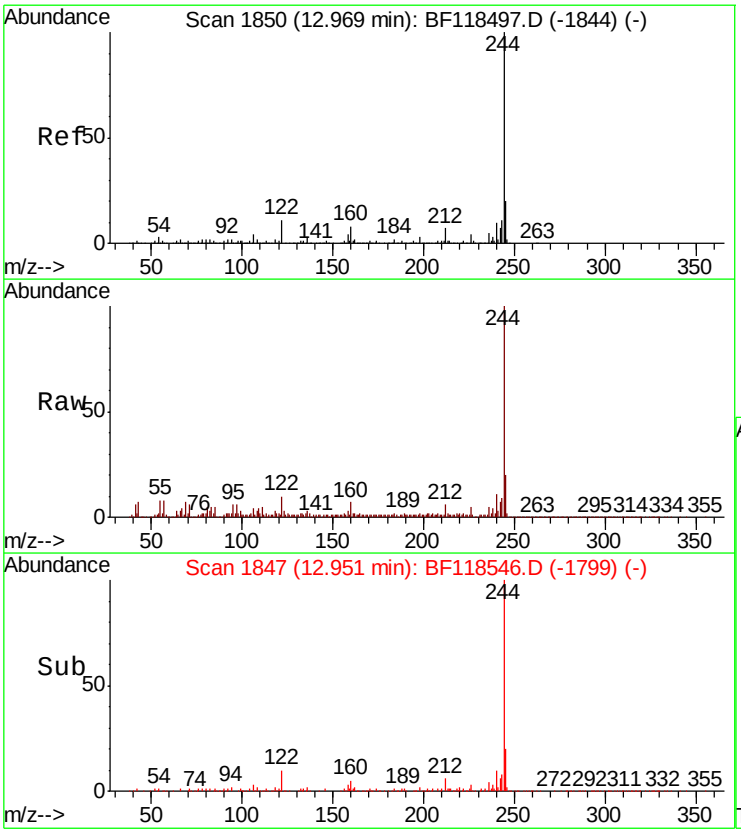
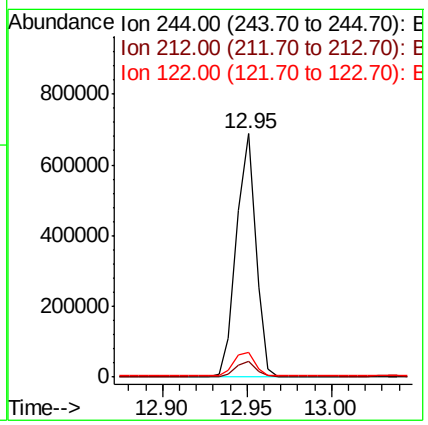
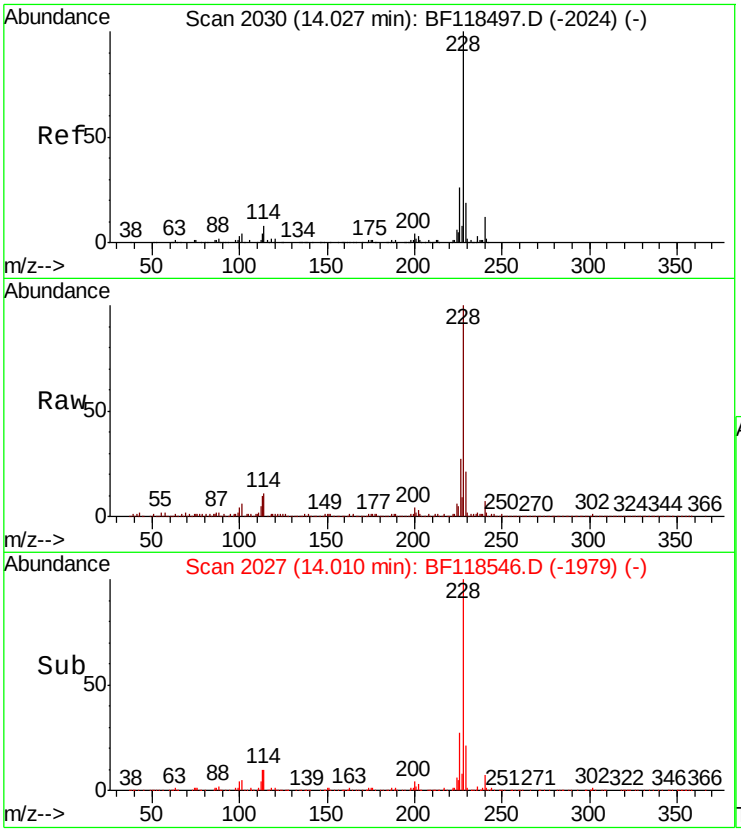


#79
Terphenyl-d14
Concen: 27.321 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:244 Resp: 550649

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.2	9.0	13.6

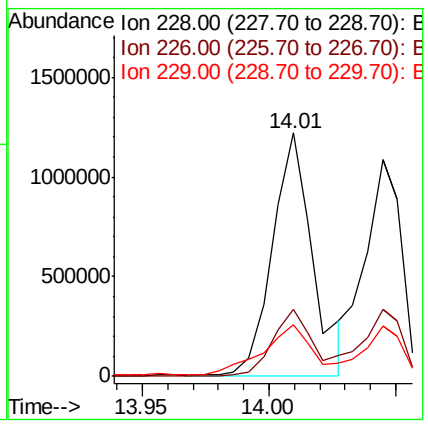




#81
Benzo(a)anthracene
Concen: 59.991 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:228 Resp: 1341164

Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.7	31.1
229	21.0	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
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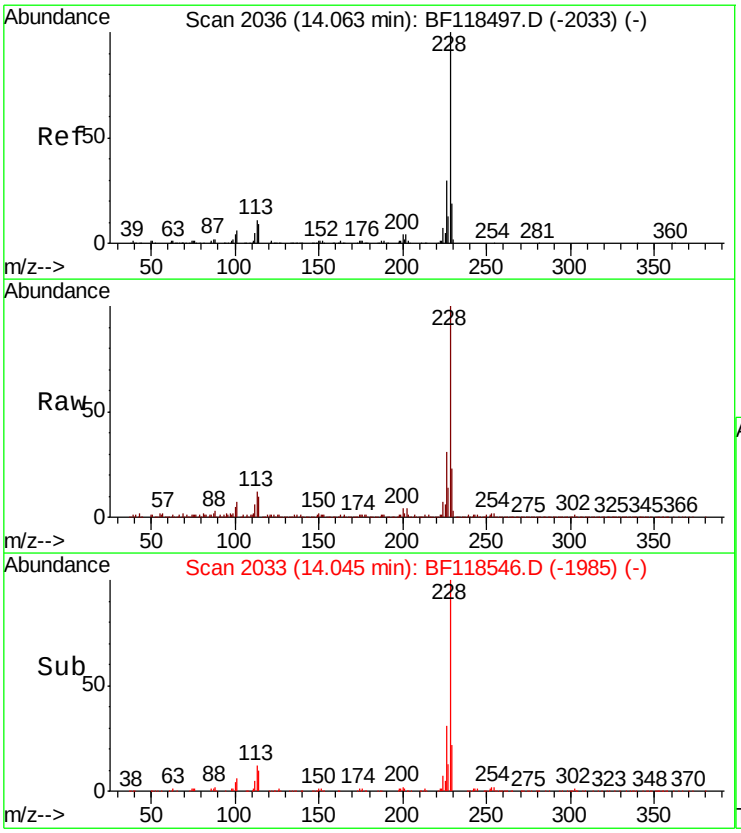
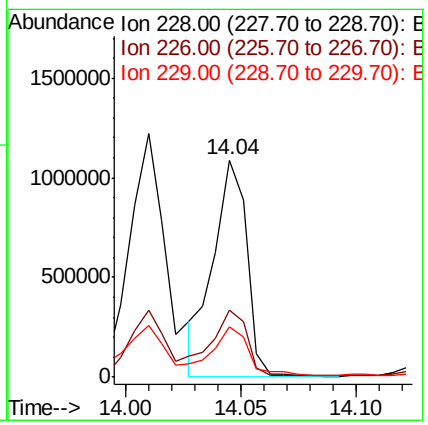
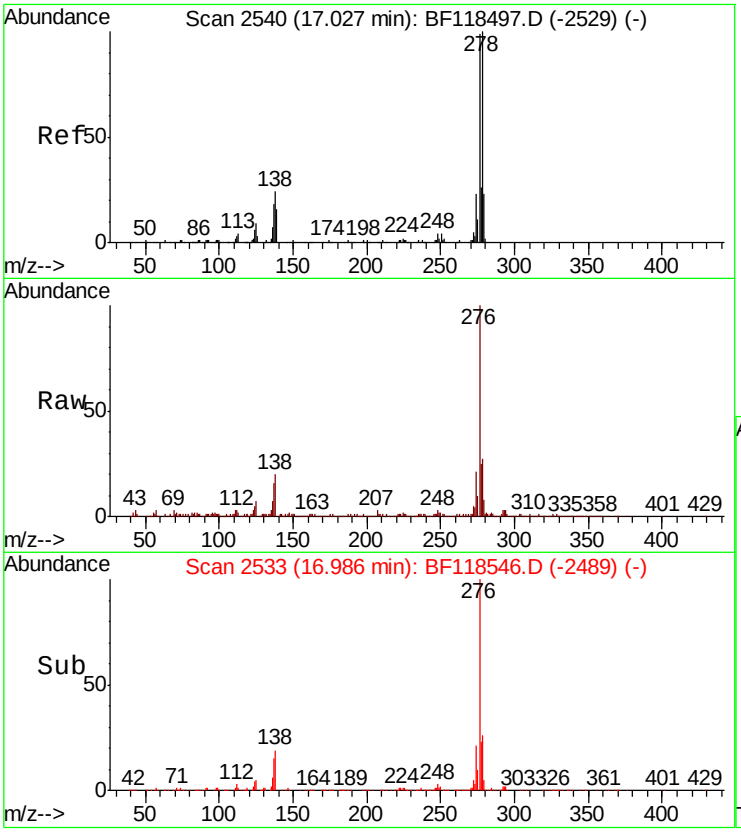


#83
Chrysene
Concen: 49.942 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:228 Resp: 1084950

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.6	35.4
229	23.1	15.6	23.4

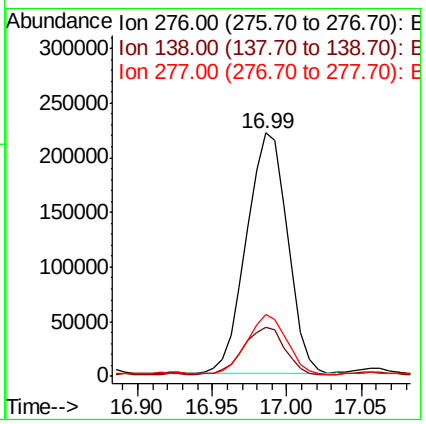




#86
Indeno(1,2,3-cd)pyrene
Concen: 23.987 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:276 Resp: 419534

Ion	Ratio	Lower	Upper
276	100		
138	19.9	19.0	28.4
277	24.0	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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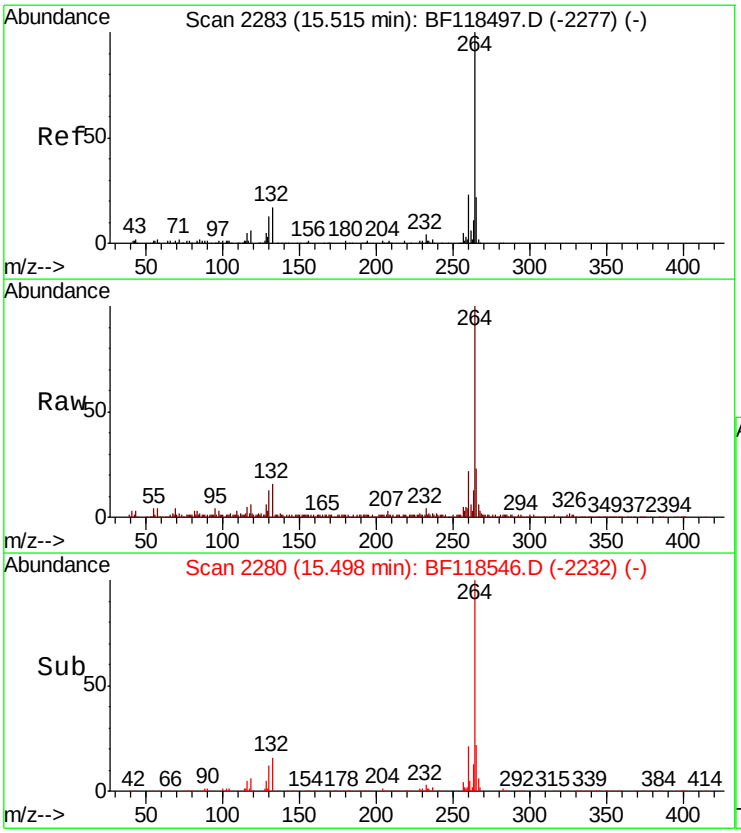
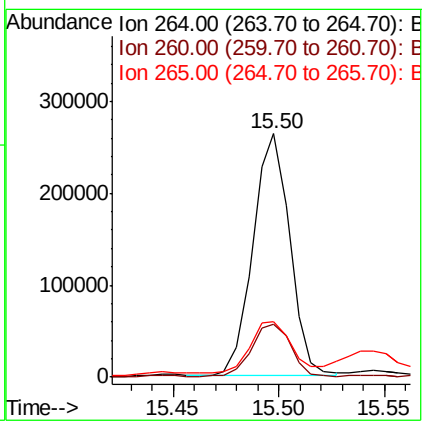
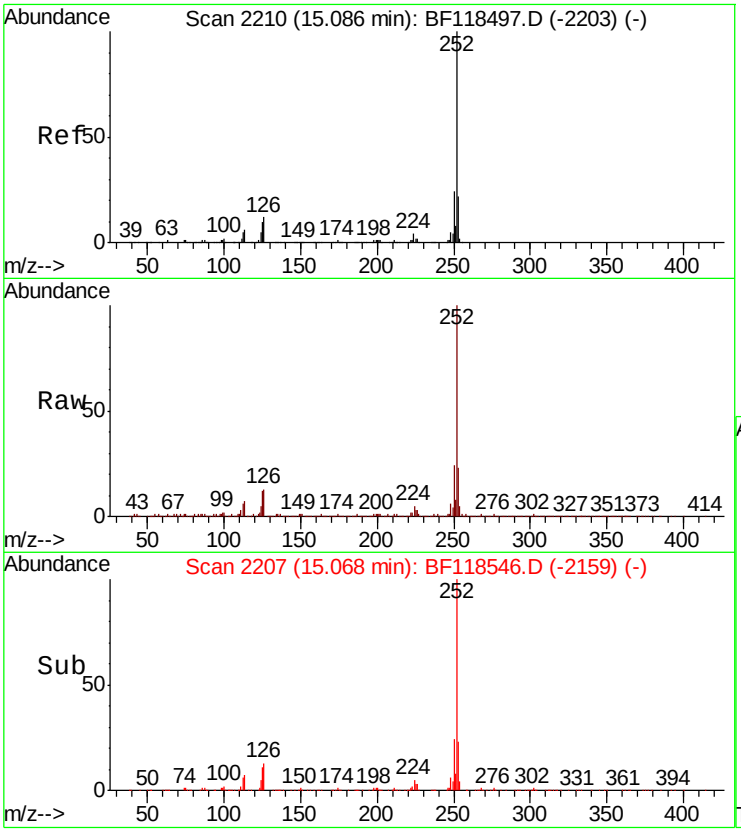


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:264 Resp: 318687

Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.8	28.2
265	22.6	17.5	26.3





#88
Benzo(b)fluoranthene
Concen: 65.812 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:252 Resp: 1516352

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.9	7.8	11.6#

Instrument :
BNA_F
ClientSampleId :
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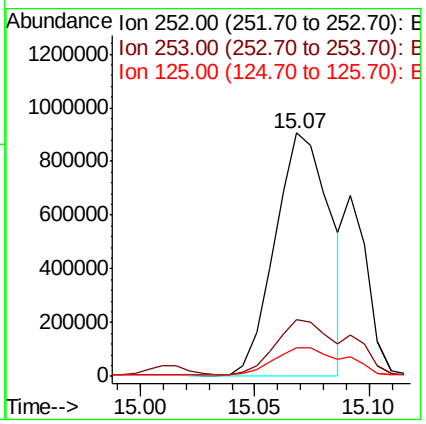
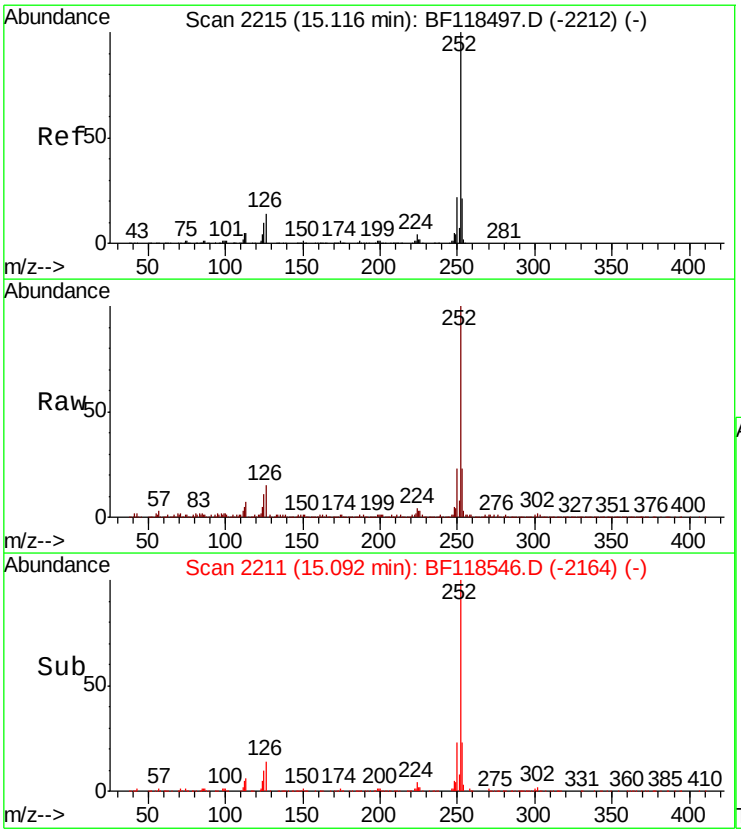
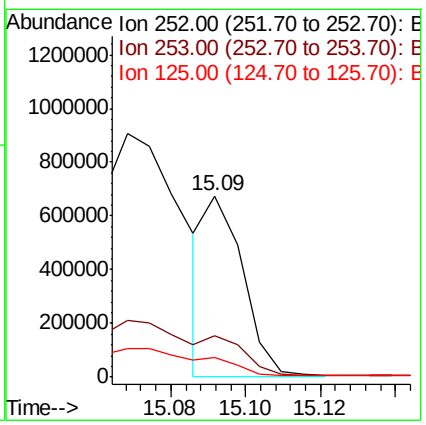


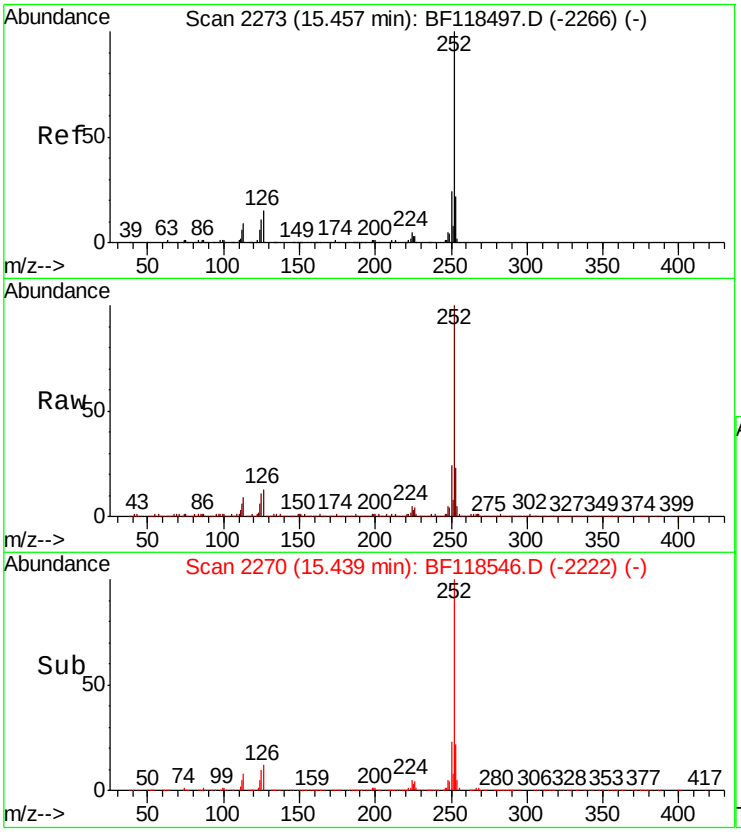


#89
Benzo(k)fluoranthene
Concen: 21.444 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:252 Resp: 471612

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.4
125	10.9	7.8	11.6

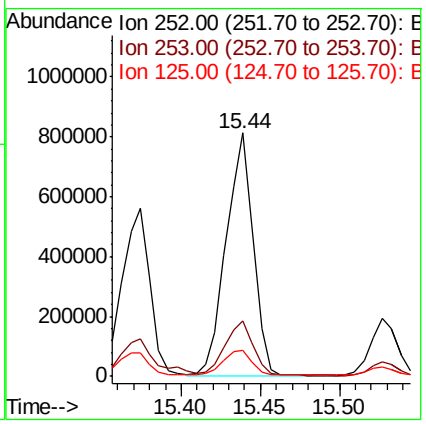




#90
Benzo(a)pyrene
Concen: 50.904 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:252 Resp: 961146

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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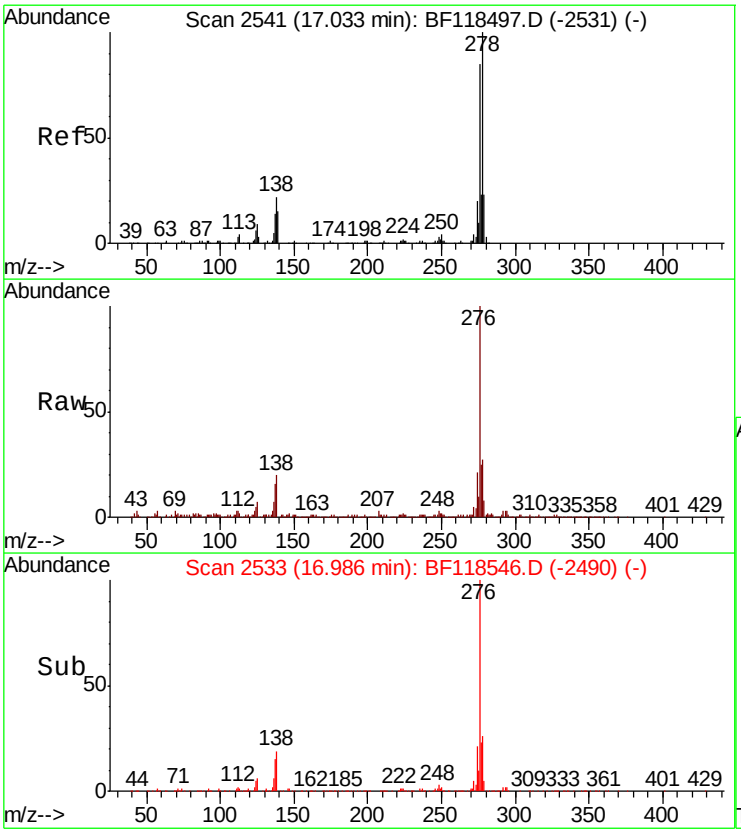
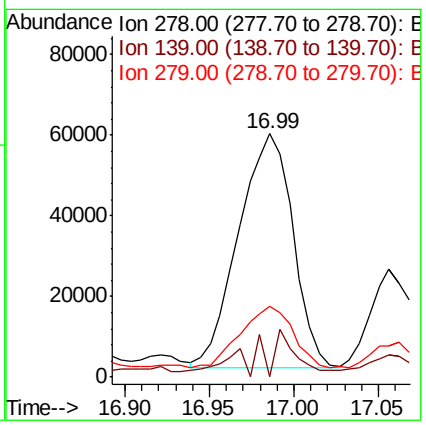
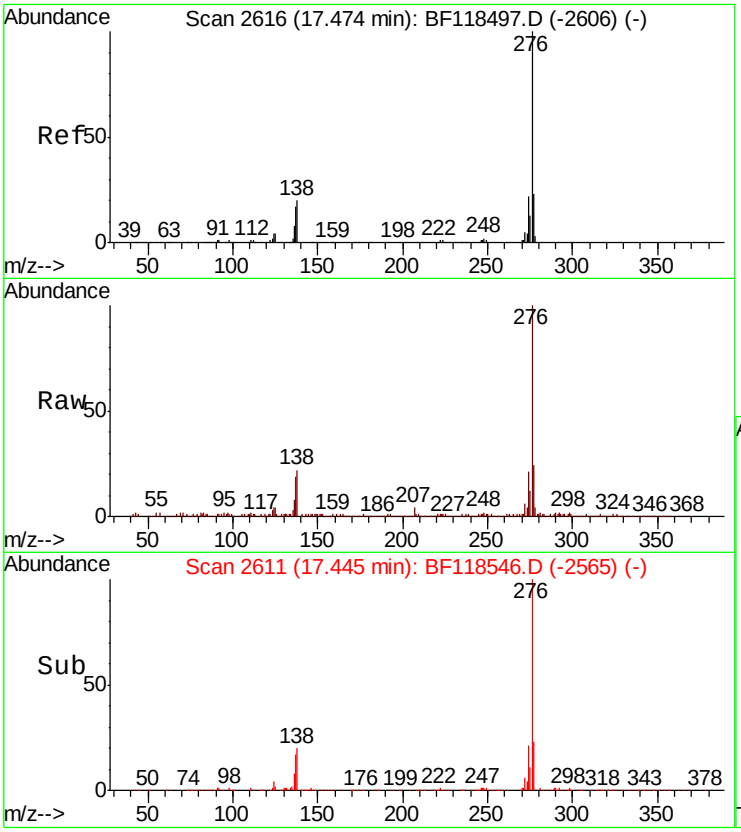


#91
Dibenzo(a,h)anthracene
Concen: 7.384 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.05 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:278 Resp: 130734

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.9	17.9#
279	29.0	18.6	27.8#

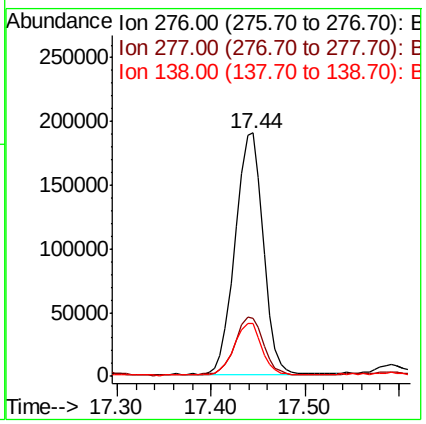




#92
Benzo(g,h,i)perylene
Concen: 23.423 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.03 min
Lab File: BF118546.D
Acq: 13 Jan 2020 22:30

Tgt Ion:276 Resp: 392935

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.2	27.4
138	21.6	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
SB-MW-14(2-2.5)

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