Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092519\
Data File : BF117260.D
Acq On : 26 Sep 2019 1:45
Operator : JU
Sample : K4668-12DL 4X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-092319DL

Manual Integrations APPROVED
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9/26/2019 3:53:59 PM

Quant Time: Sep 26 05:18:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	34221	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	134212	20.00	ng		0.00
39) Acenaphthene-d10	9.85	164	58309	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	86081	20.00	ng		0.00
76) Chrysene-d12	13.97	240	67479	20.00	ng		0.00
87) Perylene-d12	15.43	264	57495	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	45234	20.64	ng		0.00
7) Phenol-d6	6.46	99	59910	21.15	ng		0.00
23) Nitrobenzene-d5	7.38	82	37429	14.65	ng		0.00
42) 2,4,6-Tribromophenol	10.65	330	9336	19.16	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	66727	17.89	ng		0.00
79) Terphenyl-d14	12.92	244	54615	15.13	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.12	128	24422	3.784	ng		99
37) 2-Methylnaphthalene	8.82	142	10469	2.409	ng		97
38) 1-Methylnaphthalene	8.91	142	9418m	2.313	ng		
52) Acenaphthene	9.88	154	20296	6.332	ng		98
55) Dibenzofuran	10.06	168	31279	6.614	ng	#	95
58) Fluorene	10.40	166	45002	11.812	ng		96
71) Phenanthrene	11.36	178	241512	49.395	ng		98
72) Anthracene	11.41	178	81715	16.370	ng		99
73) Carbazole	11.57	167	23240	4.905	ng		95
75) Fluoranthene	12.55	202	206715	41.147	ng		98
78) Pyrene	12.78	202	167411	29.568	ng		99
81) Benzo(a)anthracene	13.97	228	80646	17.888	ng		97
83) Chrysene	14.00	228	63431	14.426	ng		95
86) Indeno(1,2,3-cd)pyrene	16.89	276	19645	6.124	ng		96
88) Benzo(b)fluoranthene	15.02	252	58734m	16.865	ng		
89) Benzo(k)fluoranthene	15.03	252	23509m	7.126	ng		
90) Benzo(a)pyrene	15.37	252	43554	14.251	ng		96
91) Dibenzo(a,h)anthracene	16.89	278	5111m	2.099	ng		
92) Benzo(g,h,i)perylene	17.32	276	16070	6.624	ng	#	90

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

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BNA_F
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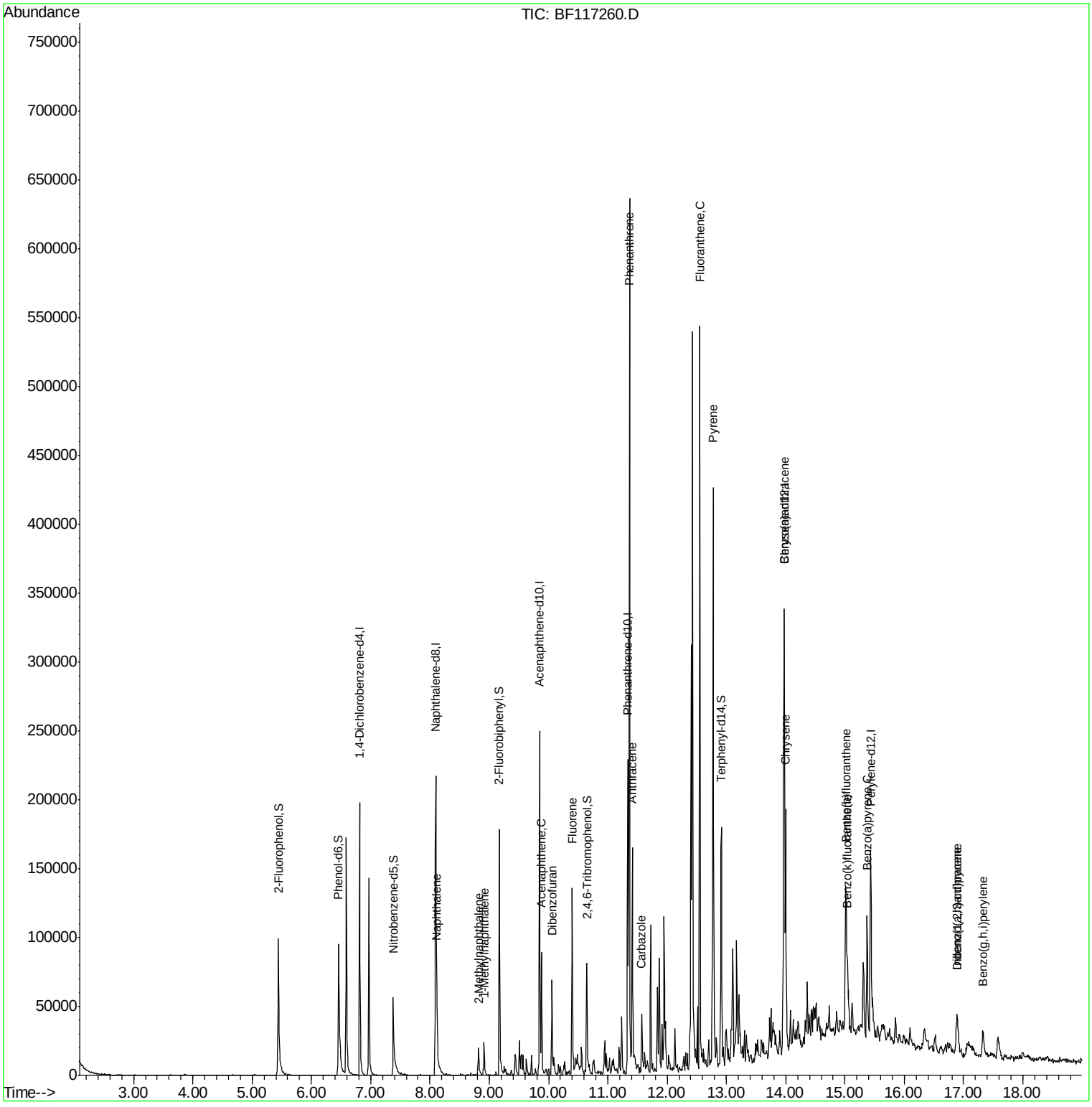
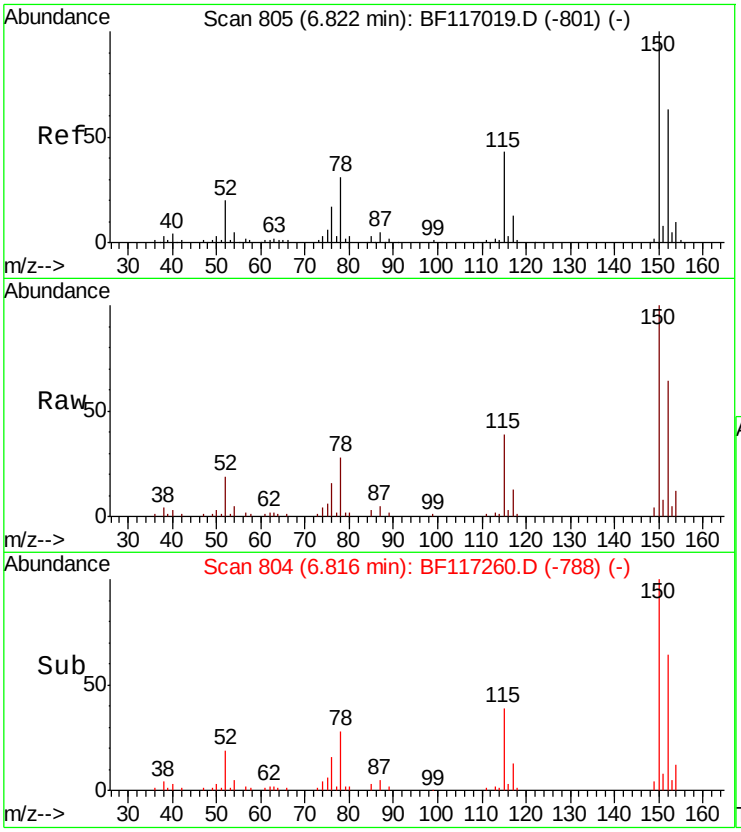
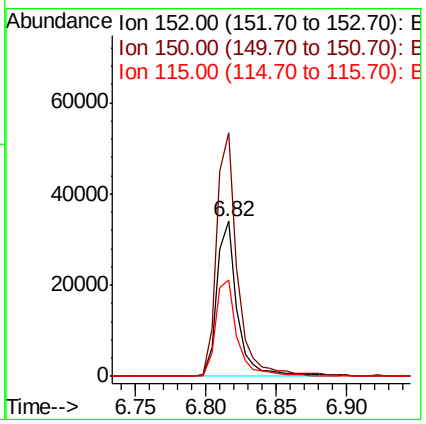




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:152 Resp: 34221

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.5	191.3
115	62.0	55.0	82.4



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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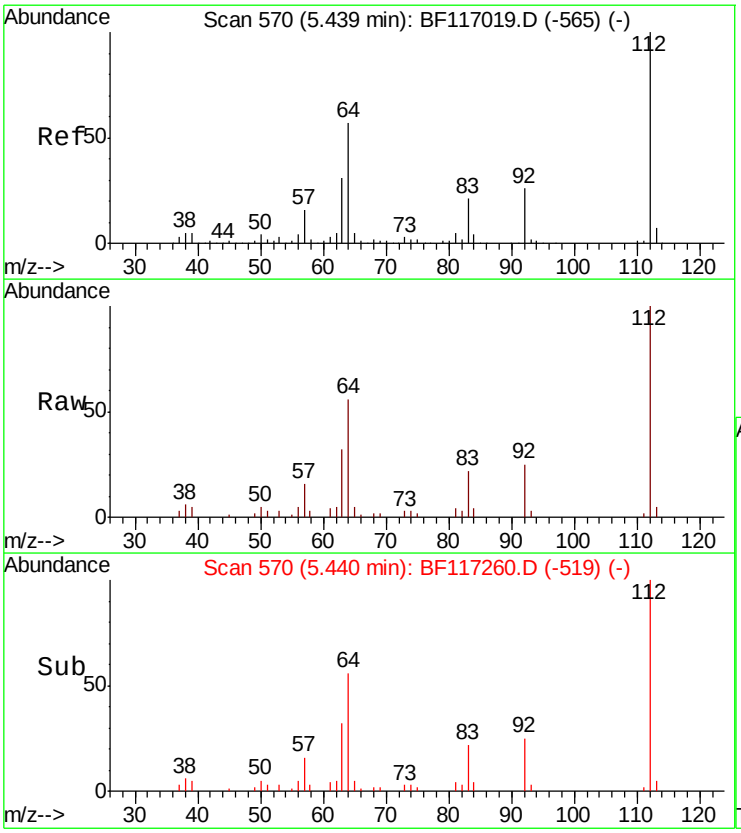
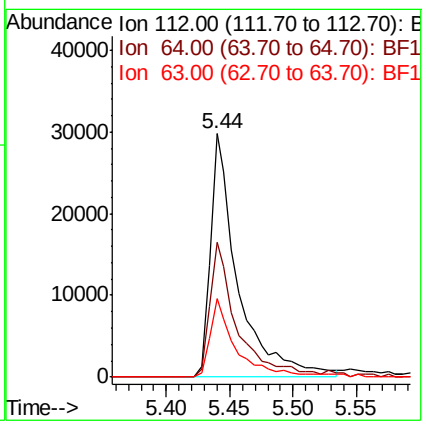
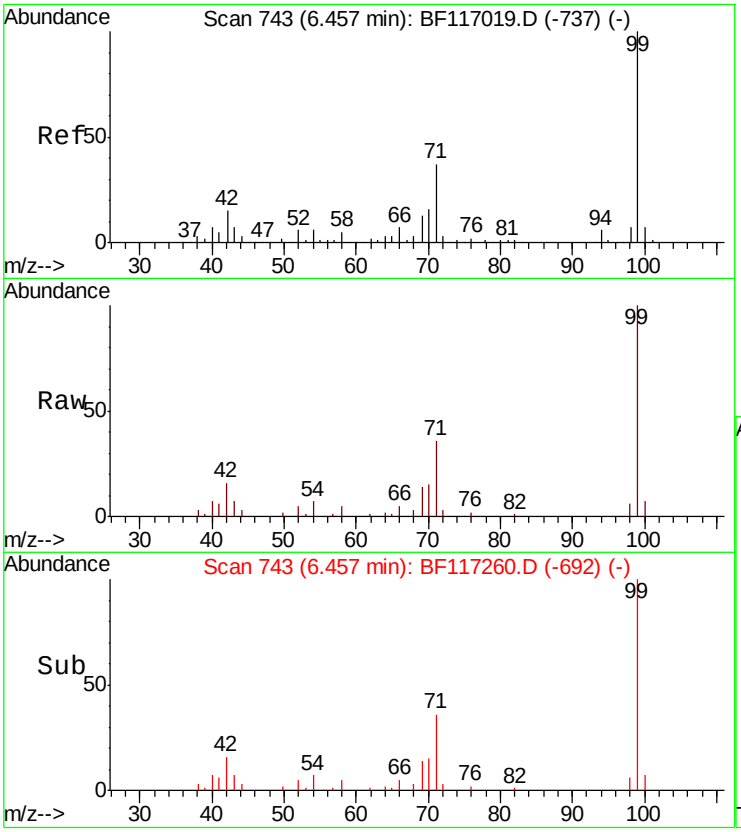


#5
2-Fluorophenol
Concen: 20.637 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:112 Resp: 45234

Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	32.0	24.9	37.3

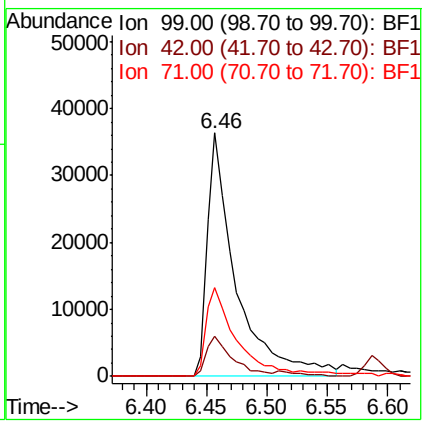




#7
Phenol-d6
Concen: 21.149 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion: 99 Resp: 59910

Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.2	18.2
71	36.3	29.8	44.8



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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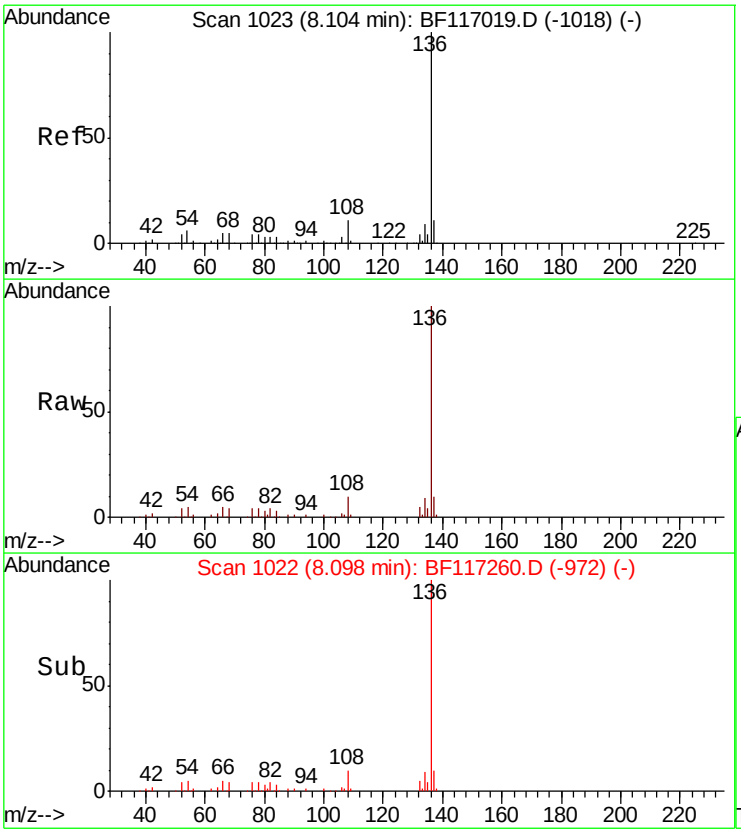
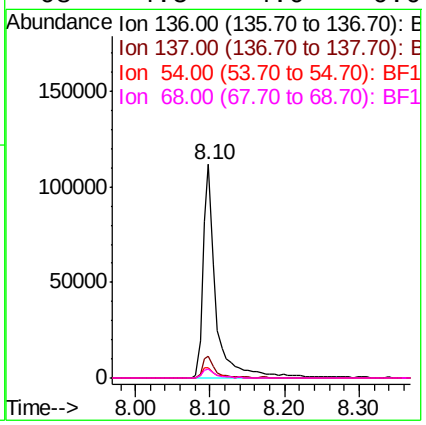
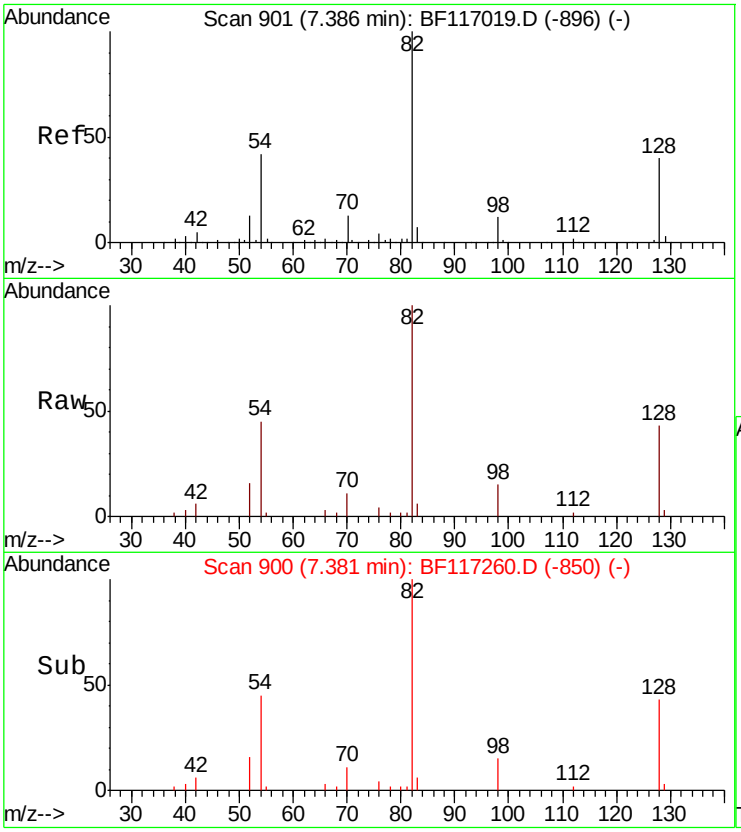


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:136 Resp: 134212

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	5.0	4.5	6.7
68	4.5	4.0	6.0

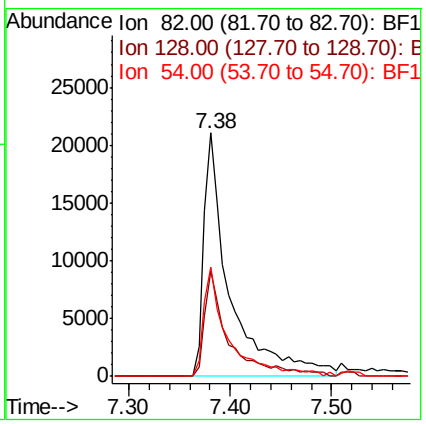




#23
Nitrobenzene-d5
Concen: 14.653 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion: 82 Resp: 37429

Ion	Ratio	Lower	Upper
82	100		
128	43.2	32.3	48.5
54	45.1	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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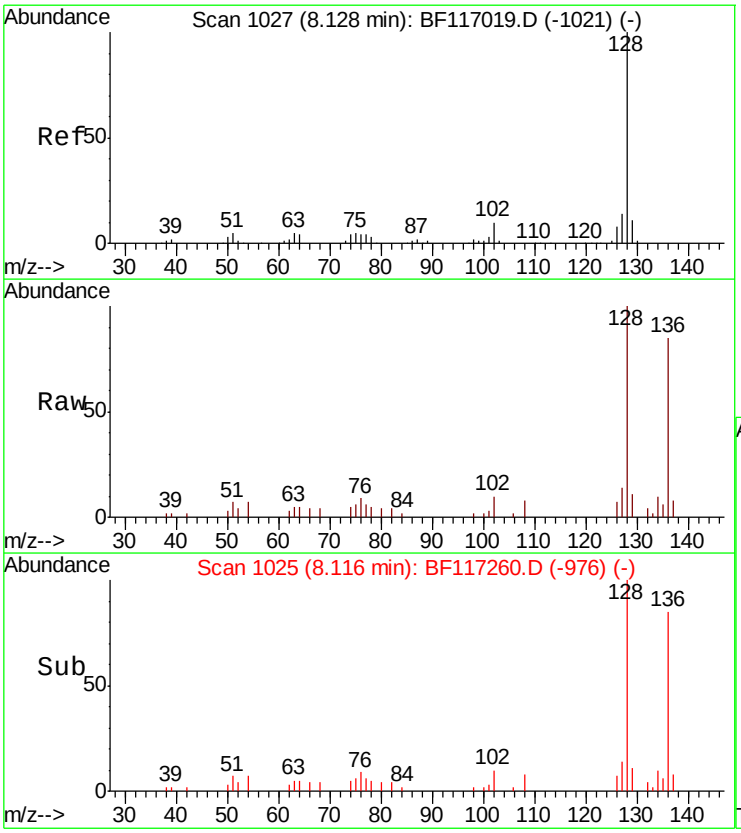
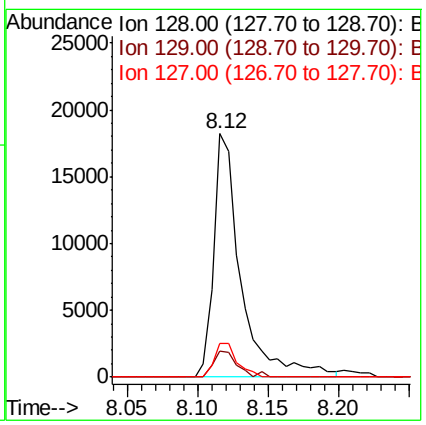
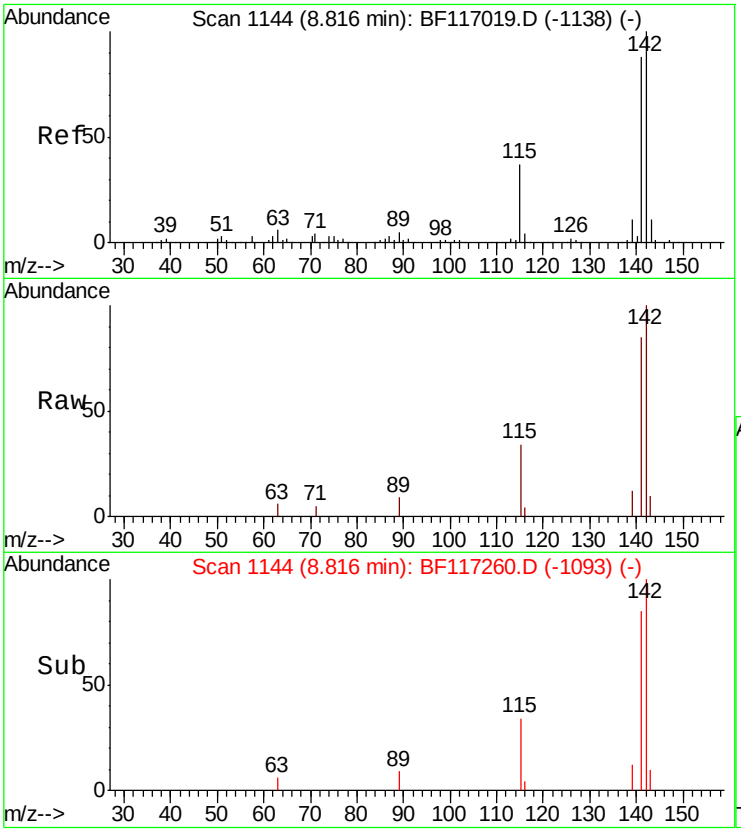


#31
Naphthalene
Concen: 3.784 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:128 Resp: 24422

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.4
127	14.0	10.8	16.2

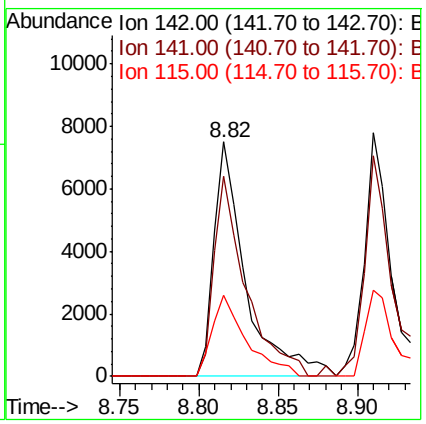




#37
2-Methylnaphthalene
Concen: 2.409 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:142 Resp: 10469

Ion	Ratio	Lower	Upper
142	100		
141	85.4	70.7	106.1
115	34.4	29.4	44.0



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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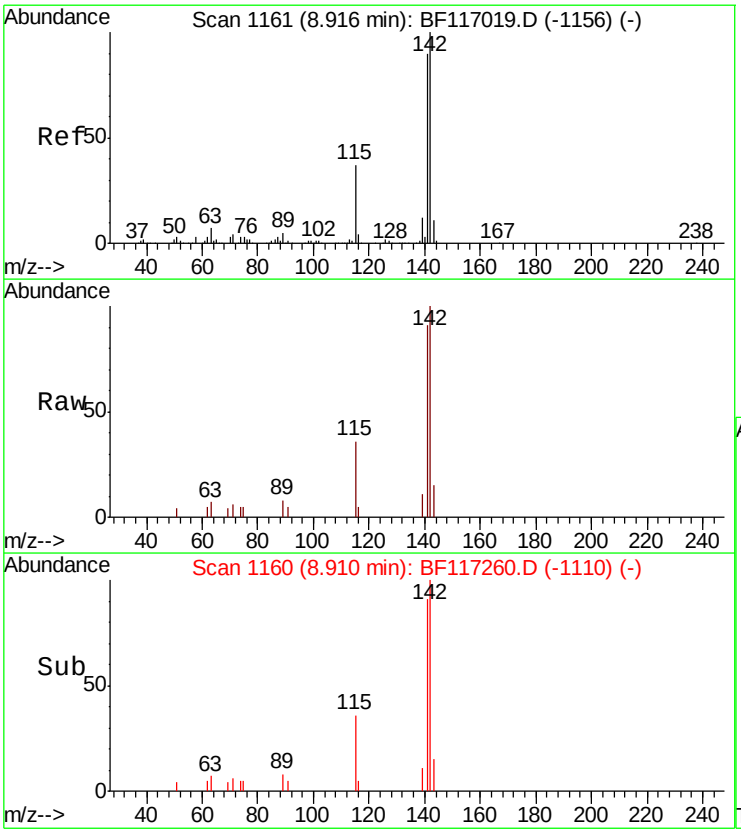
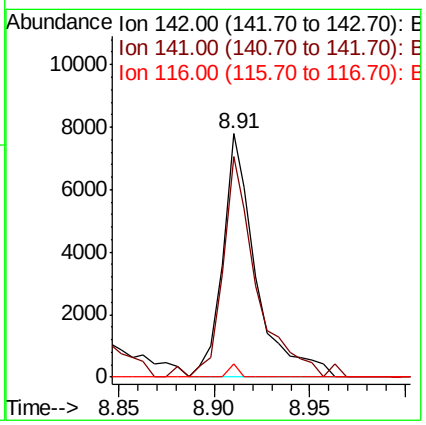
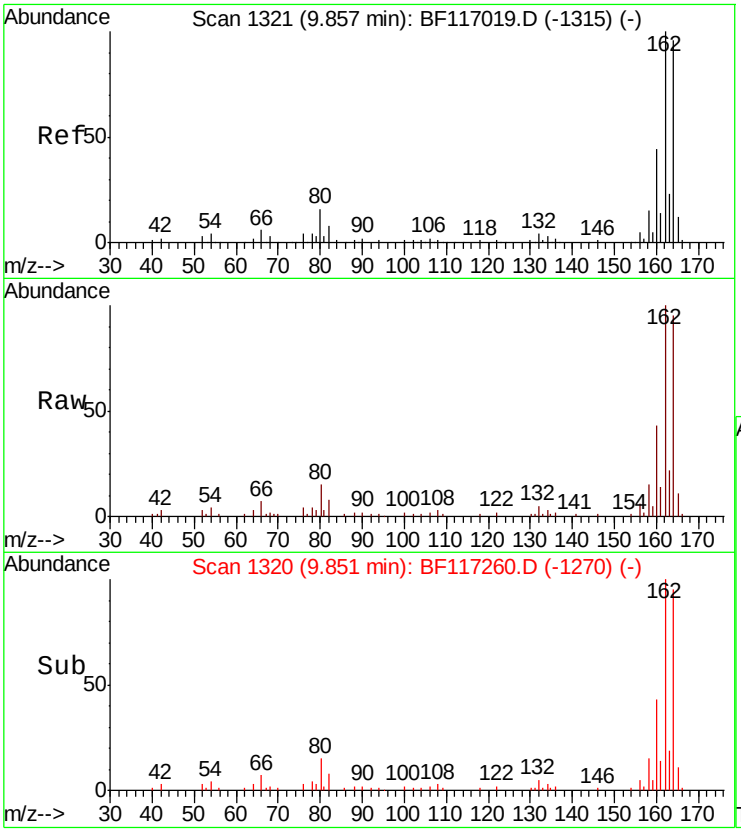


#38
1-Methylnaphthalene
Concen: 2.313 ng m
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:142 Resp: 9418

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.9	107.9
116	5.4	3.2	4.8#

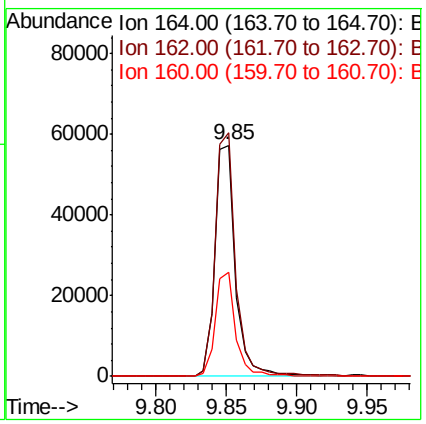




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:164 Resp: 58309

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.4	125.2
160	44.8	36.4	54.6



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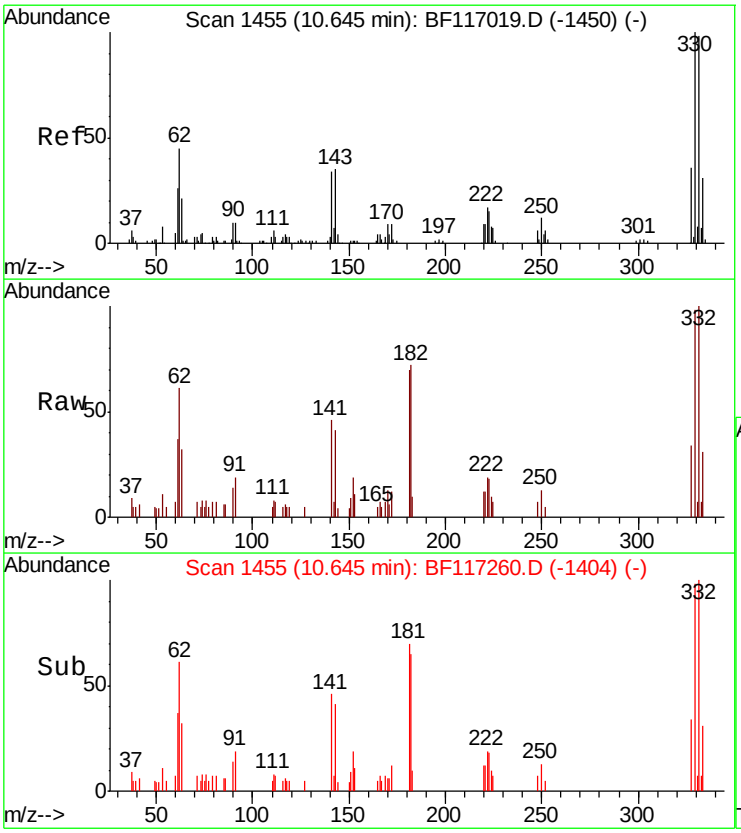
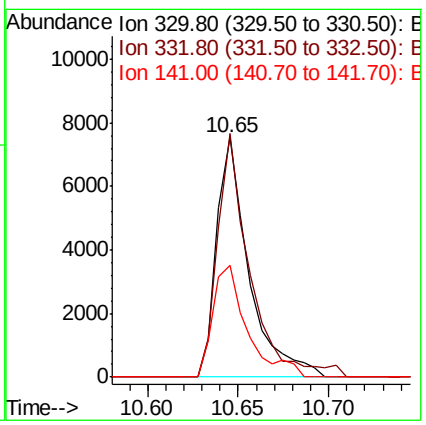
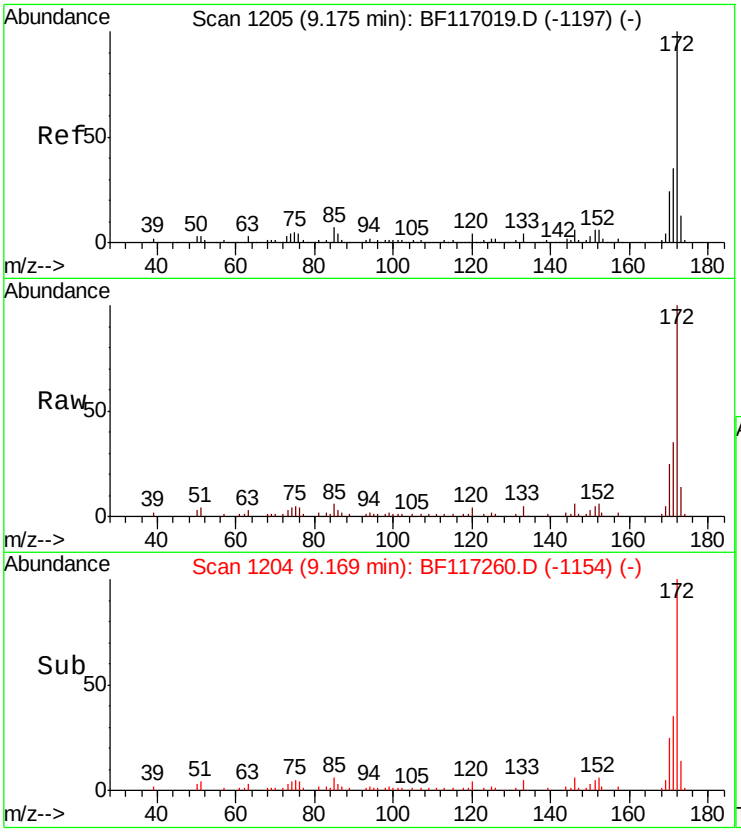


#42
2,4,6-Tribromophenol
Concen: 19.157 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:330 Resp: 9336

Ion	Ratio	Lower	Upper
330	100		
332	101.1	78.0	117.0
141	49.4	35.8	53.6

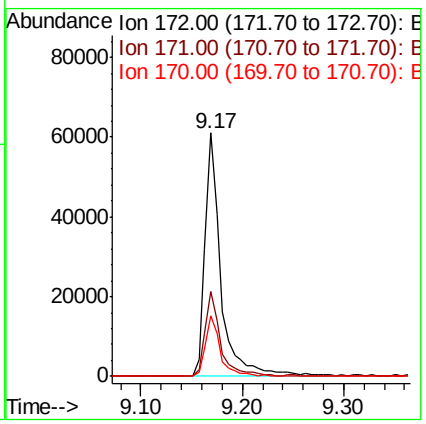




#45
2-Fluorobiphenyl
Concen: 17.893 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:172 Resp: 66727

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	25.0	18.9	28.3



Instrument :
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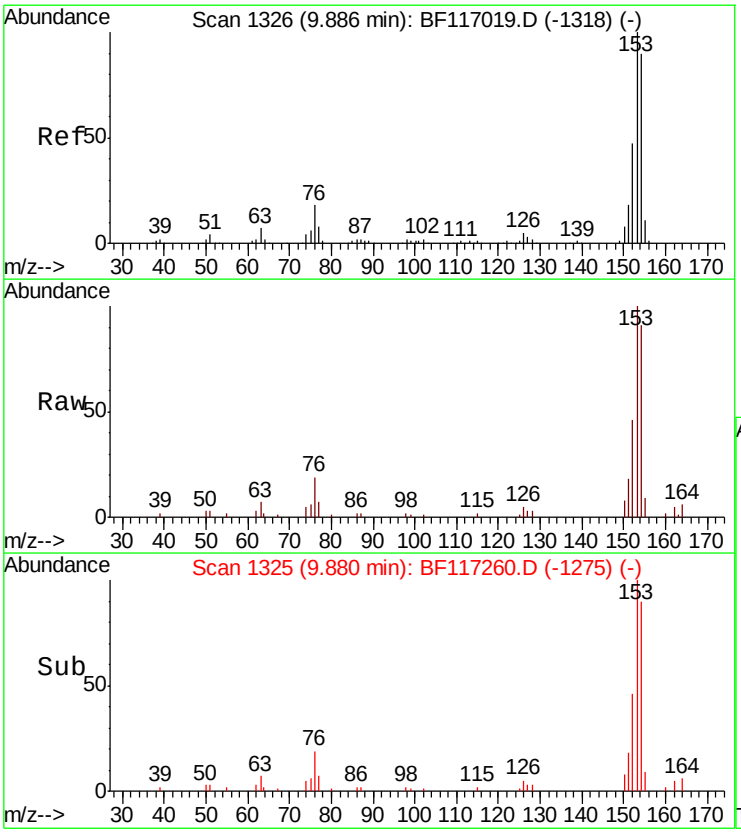
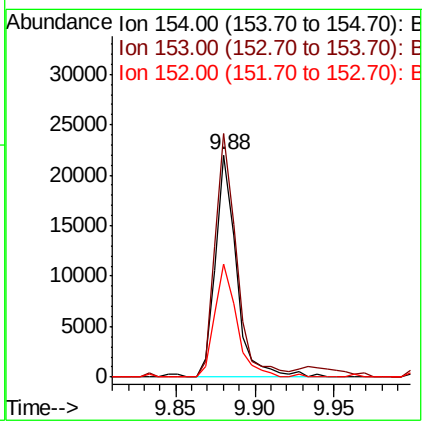
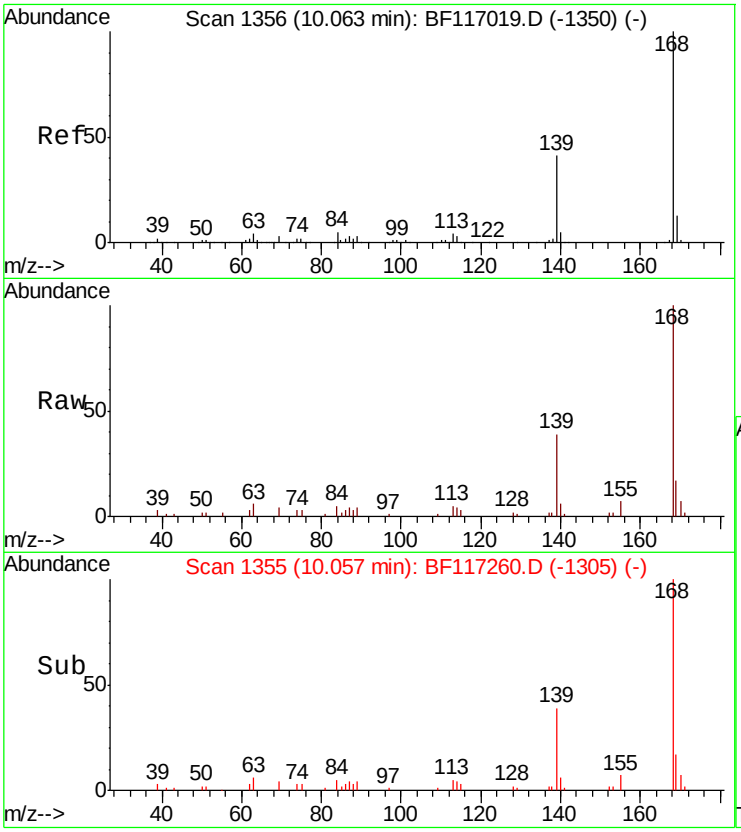


#52
Acenaphthene
Concen: 6.332 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:154 Resp: 20296

Ion	Ratio	Lower	Upper
154	100		
153	109.5	89.0	133.6
152	50.8	41.9	62.9

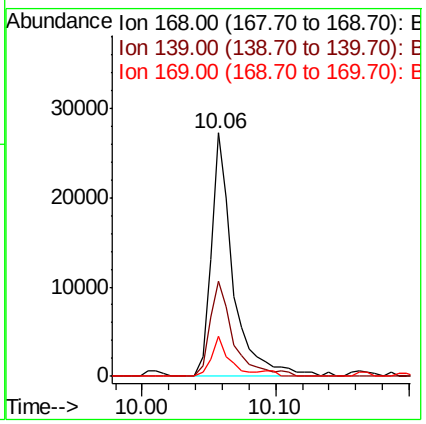




#55
Dibenzofuran
Concen: 6.614 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:168 Resp: 31279

Ion	Ratio	Lower	Upper
168	100		
139	39.0	32.8	49.2
169	16.5	10.5	15.7#



Instrument :
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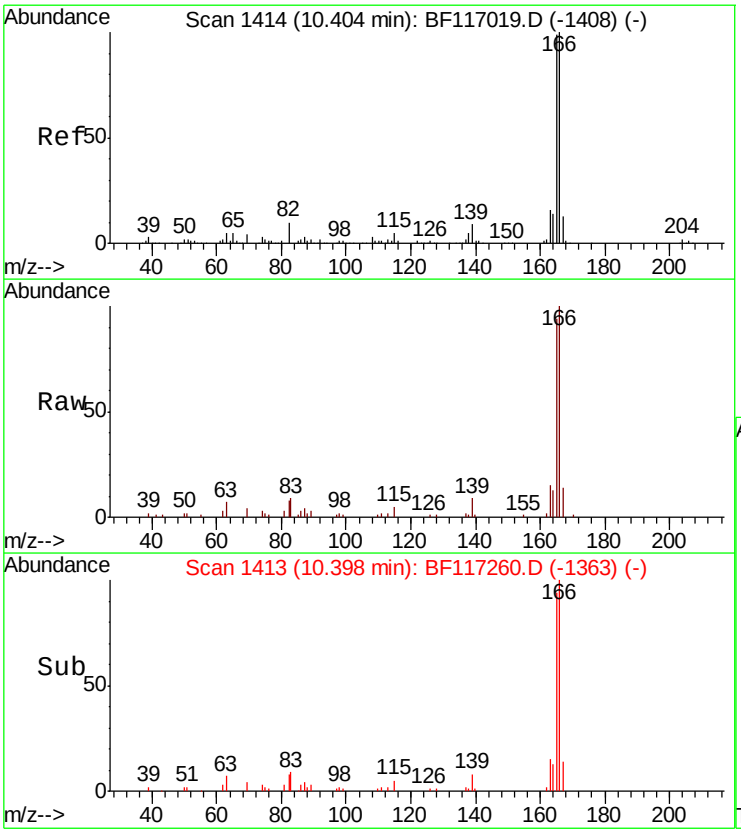
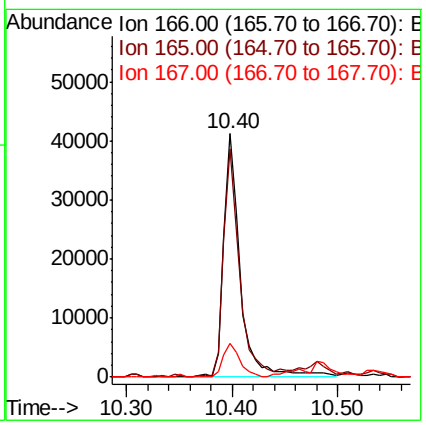
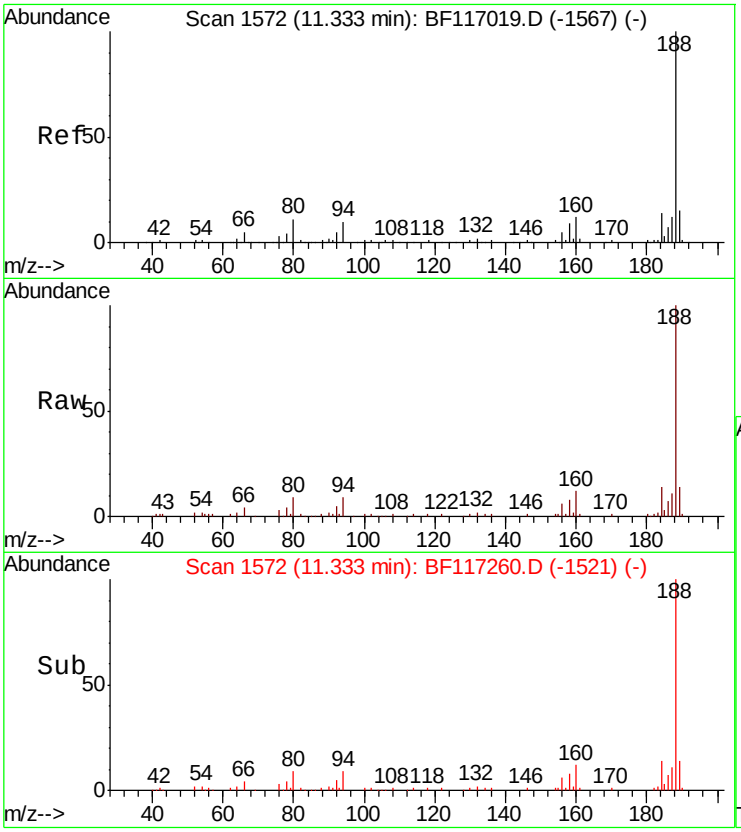


#58
Fluorene
Concen: 11.812 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:166 Resp: 45002

Ion	Ratio	Lower	Upper
166	100		
165	93.9	78.9	118.3
167	13.7	10.6	15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:188 Resp: 86081

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.2	12.2
80	9.3	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

Manual Integrations APPROVED
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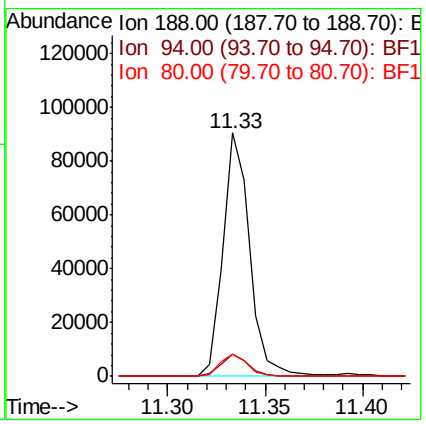
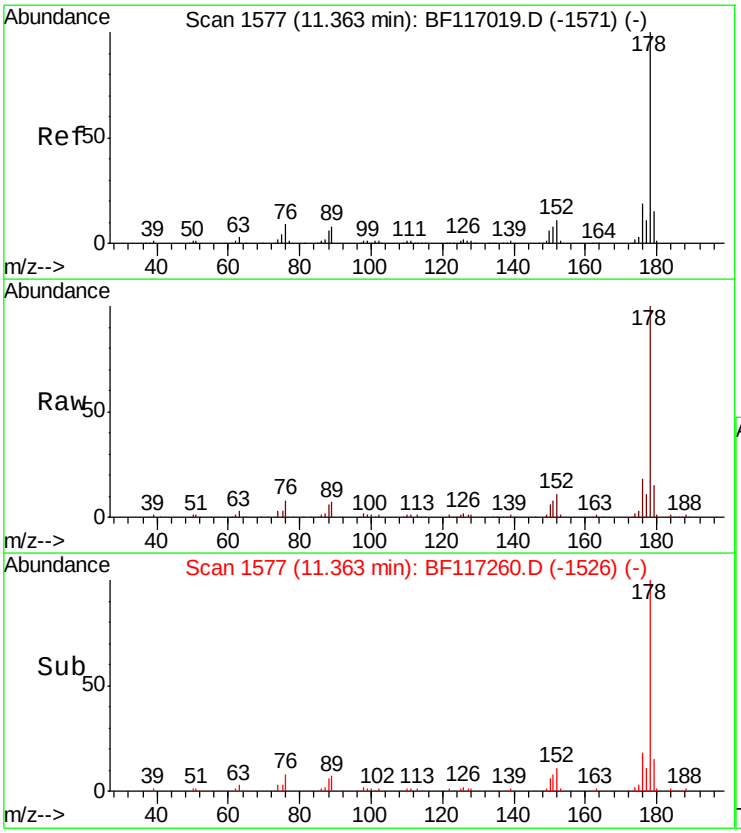
9/26/2019 3:53:59 PM

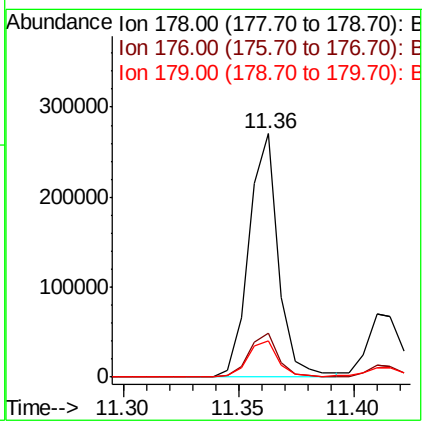


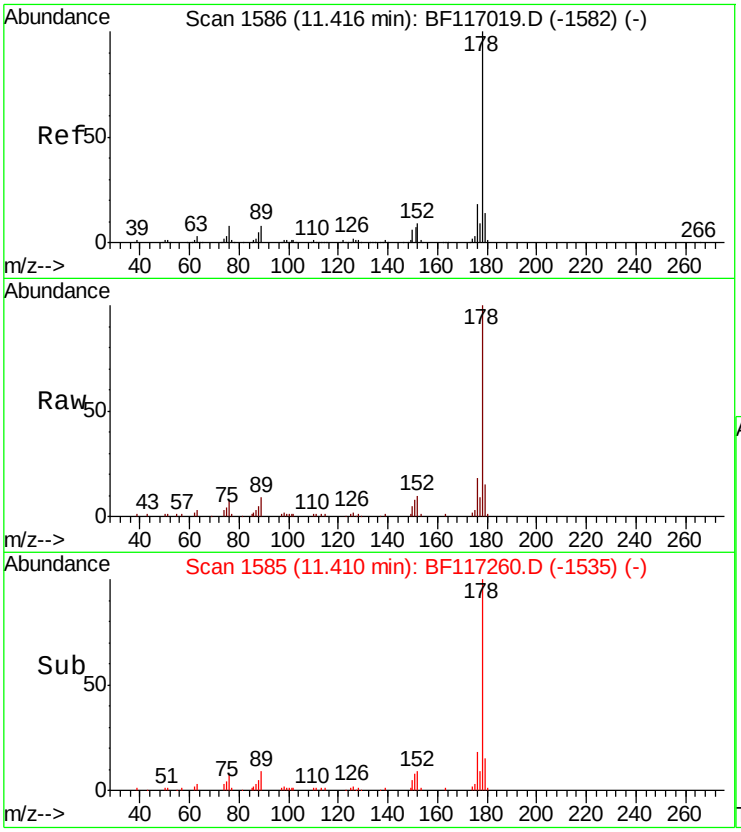


#71
Phenanthrene
Concen: 49.395 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:178 Resp: 241512

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.6	12.4	18.6

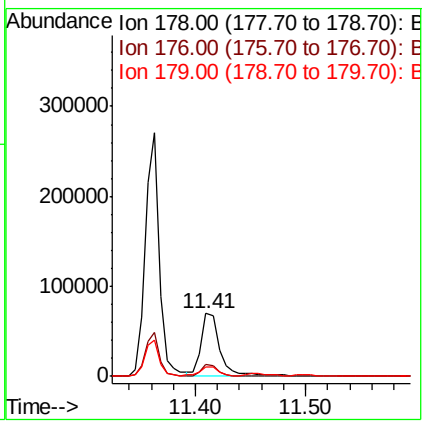




#72
Anthracene
Concen: 16.370 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:178 Resp: 81715

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.2	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
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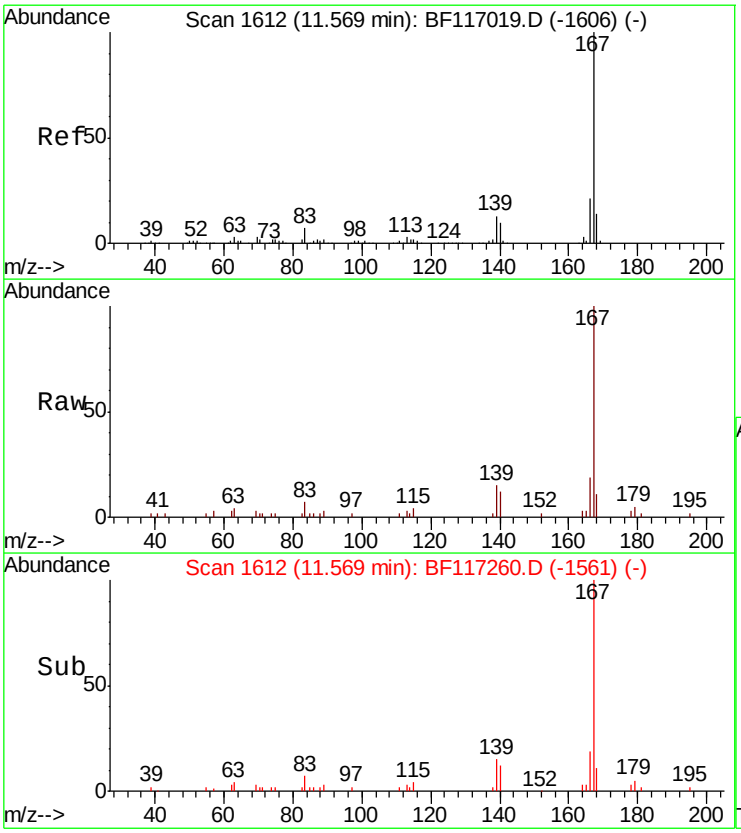
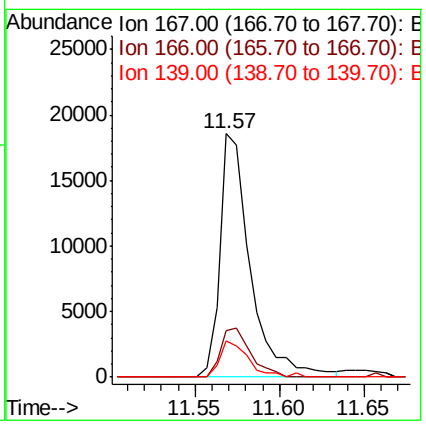
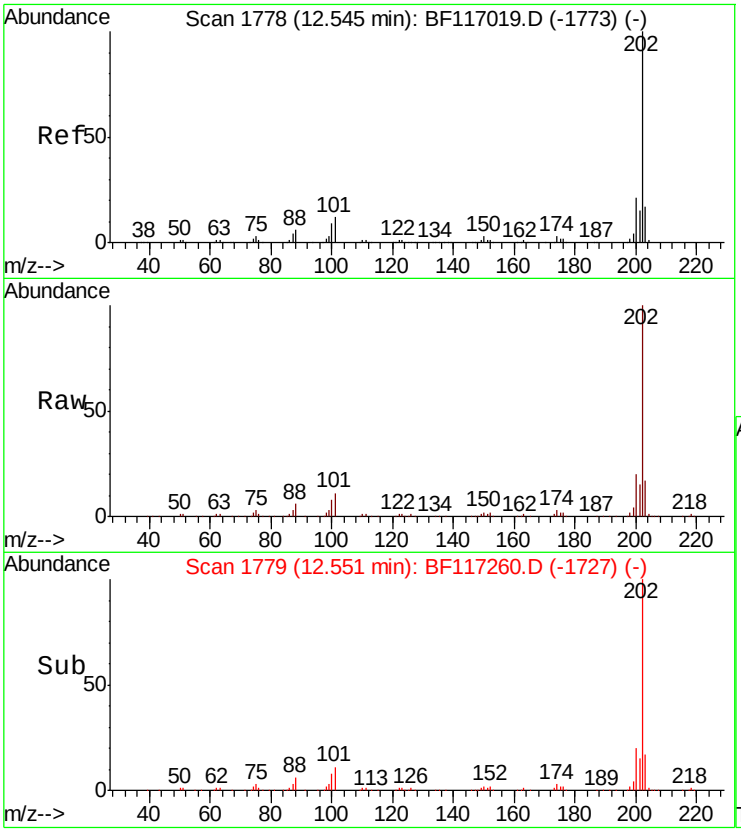


#73
Carbazole
Concen: 4.905 ng
RT: 11.57 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:167 Resp: 23240

Ion	Ratio	Lower	Upper
167	100		
166	19.2	17.2	25.8
139	15.1	10.6	16.0

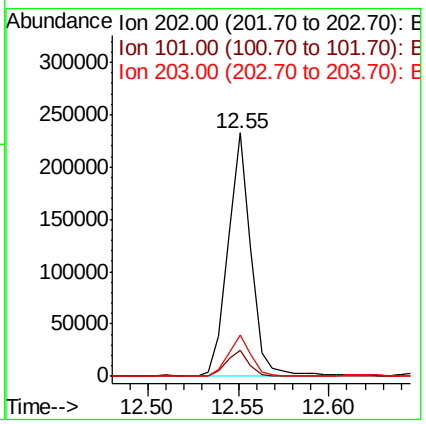




#75
Fluoranthene
Concen: 41.147 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:202 Resp: 206715

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.3
203	17.0	0.0	37.1



Instrument :
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ClientSampleId :
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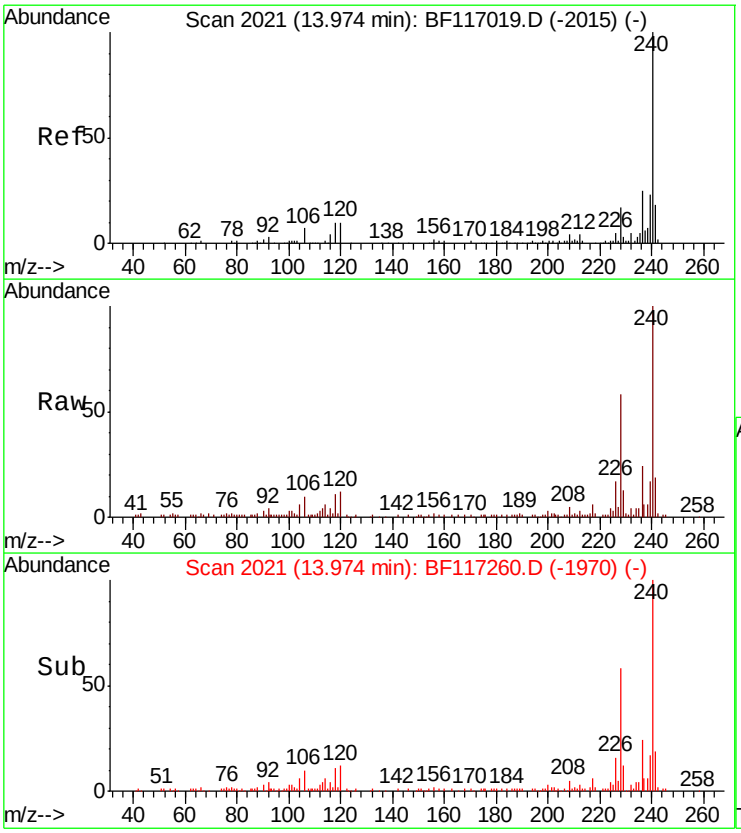
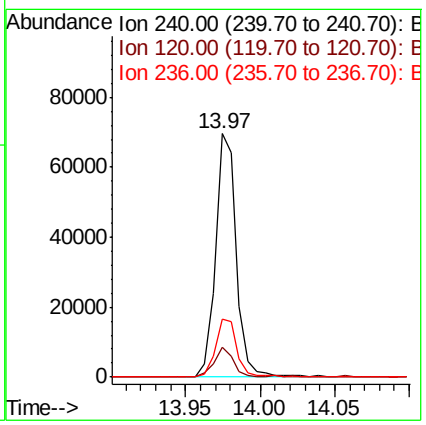
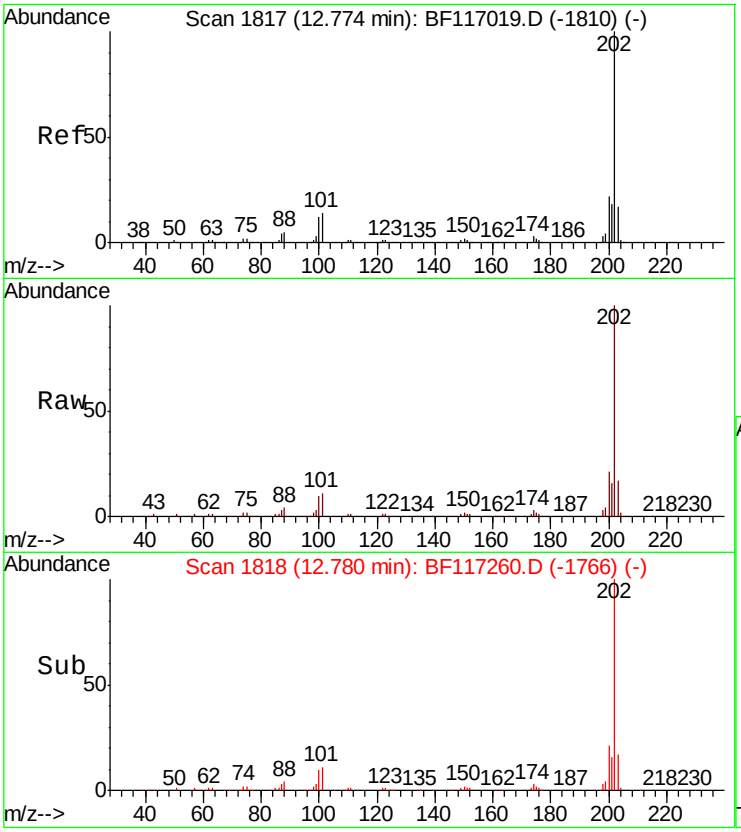


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:240 Resp: 67479

Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.3	12.5
236	23.7	20.3	30.5

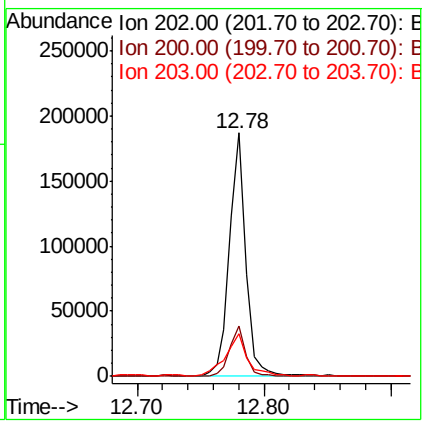




#78
Pyrene
Concen: 29.568 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:202 Resp: 167411

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.4	14.0	21.0



Instrument :
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ClientSampleId :
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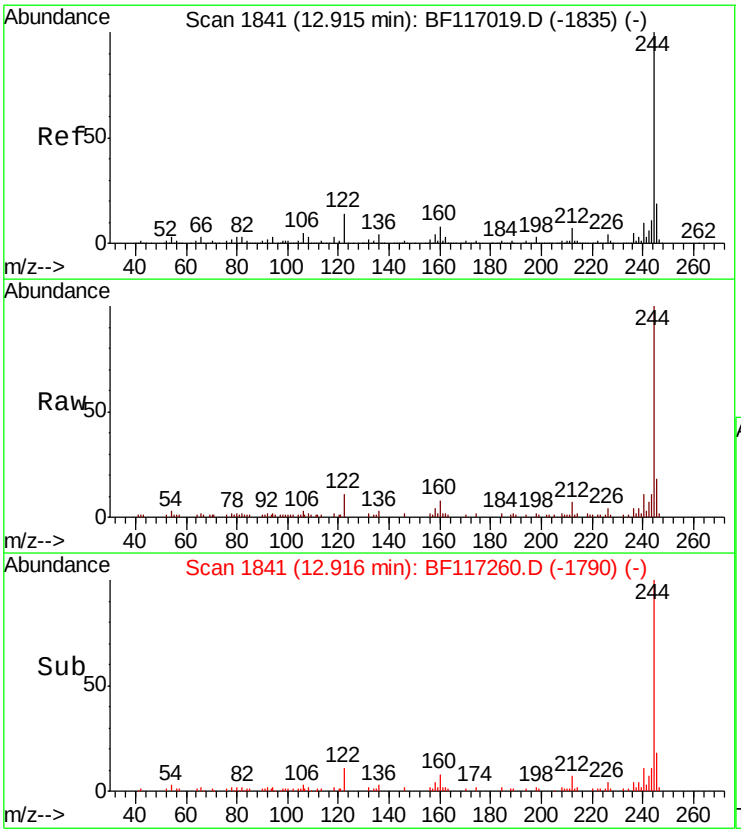
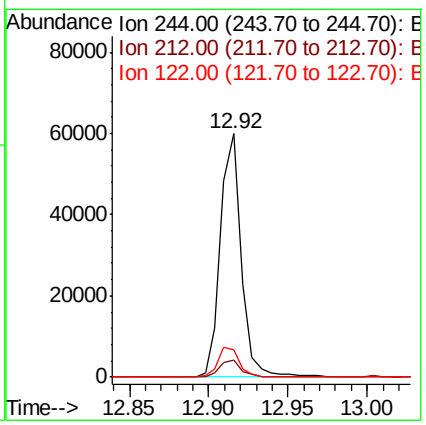
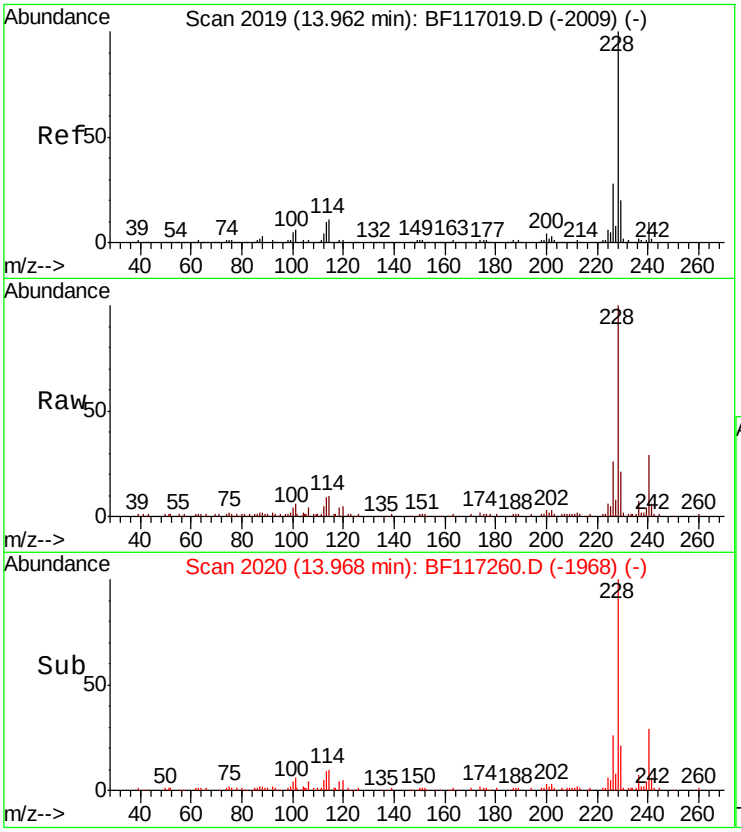


#79
Terphenyl-d14
Concen: 15.129 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:244 Resp: 54615

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.2	11.3	16.9#

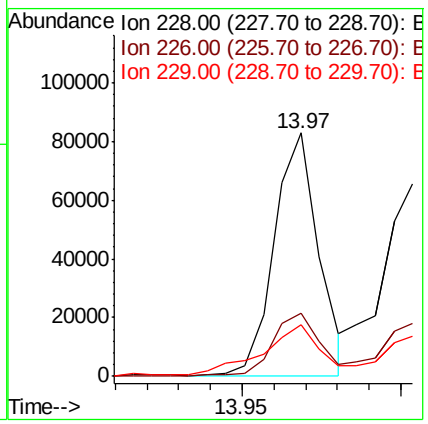




#81
Benzo(a)anthracene
Concen: 17.888 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:228 Resp: 80646

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.3	33.5
229	21.0	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
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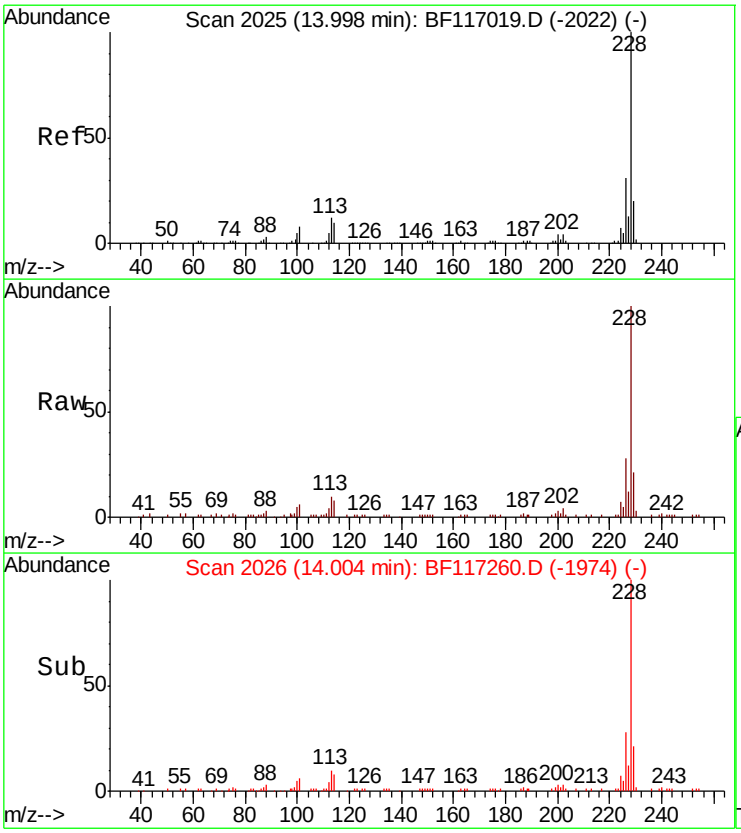
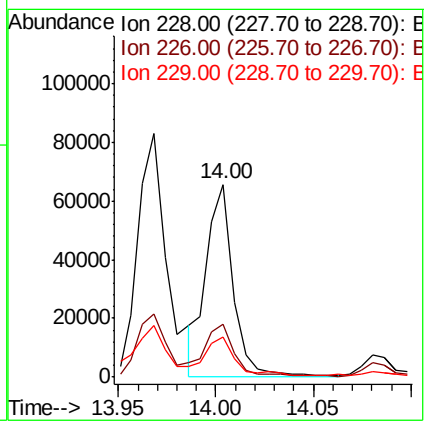
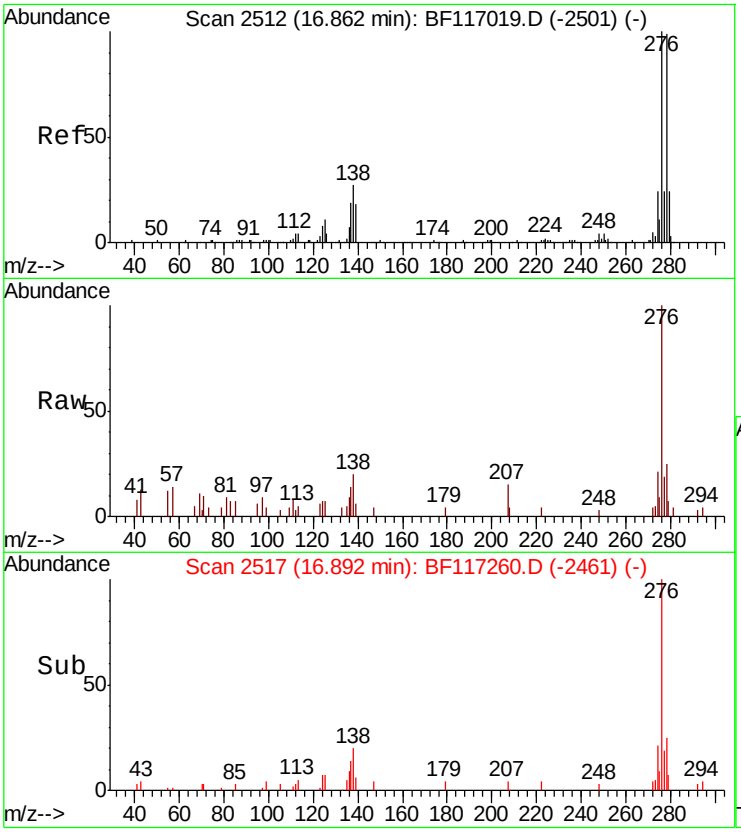


#83
Chrysene
Concen: 14.426 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:228 Resp: 63431

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.8	37.2
229	21.0	15.8	23.8

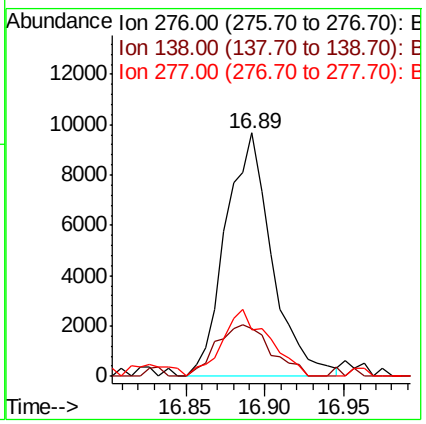




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.124 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.03 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:276 Resp: 19645

Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.7	31.1
277	27.3	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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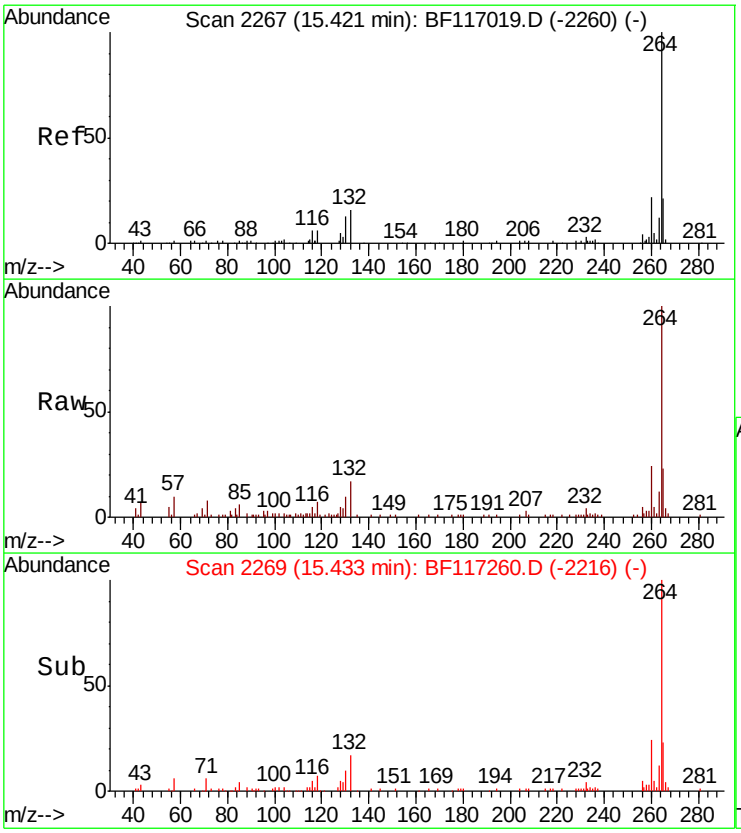
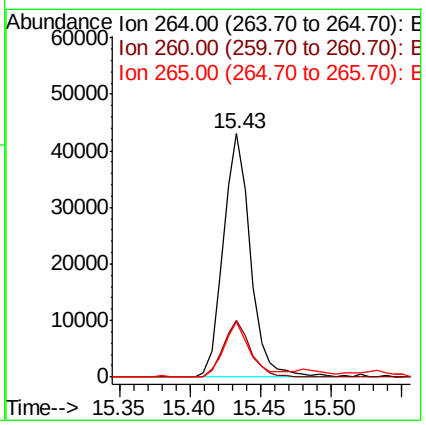
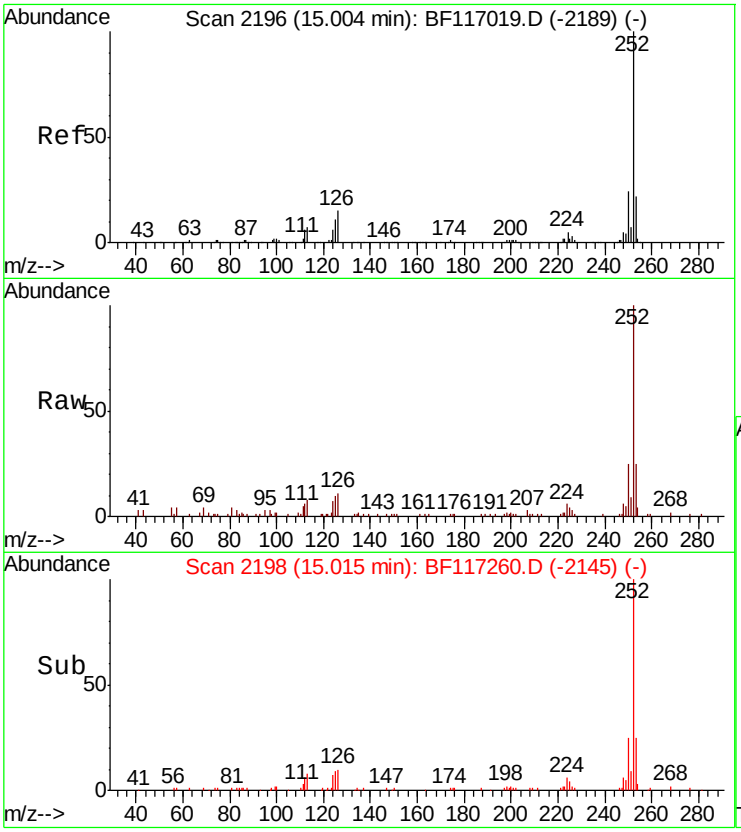


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:264 Resp: 57495

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.6	26.4
265	22.9	16.6	24.8

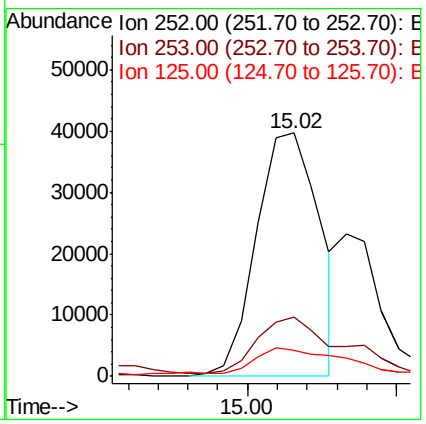




#88
Benzo(b)fluoranthene
Concen: 16.865 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:252 Resp: 58734

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	10.4	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SU-03-092319DL

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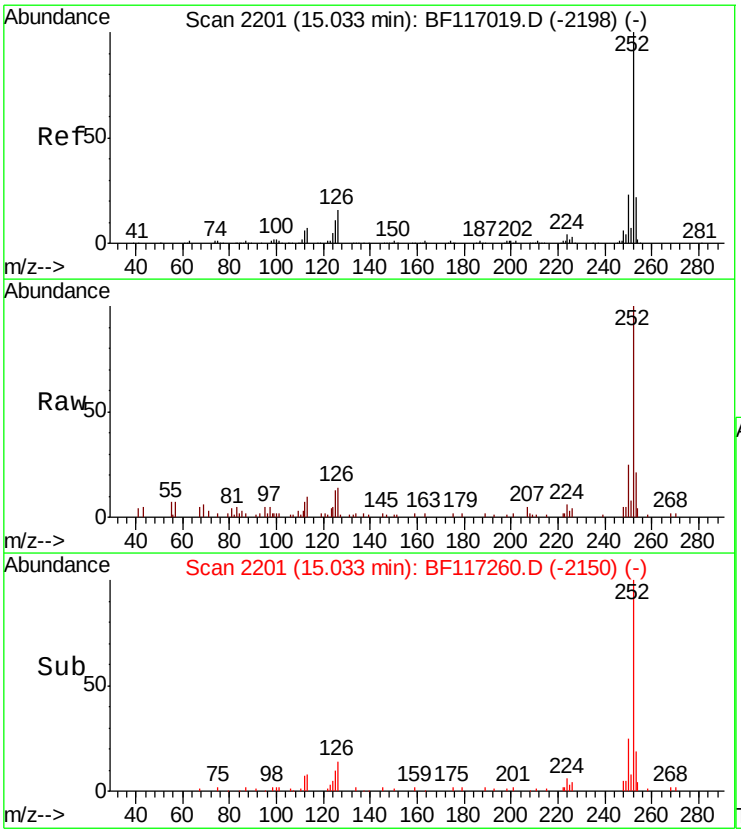
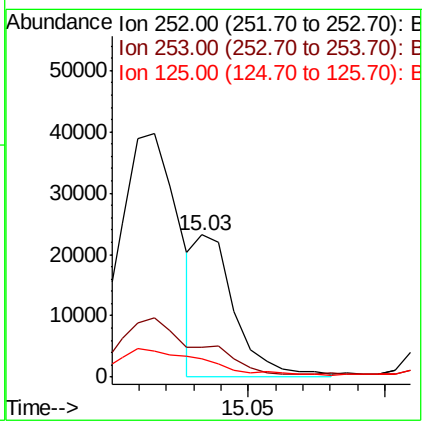
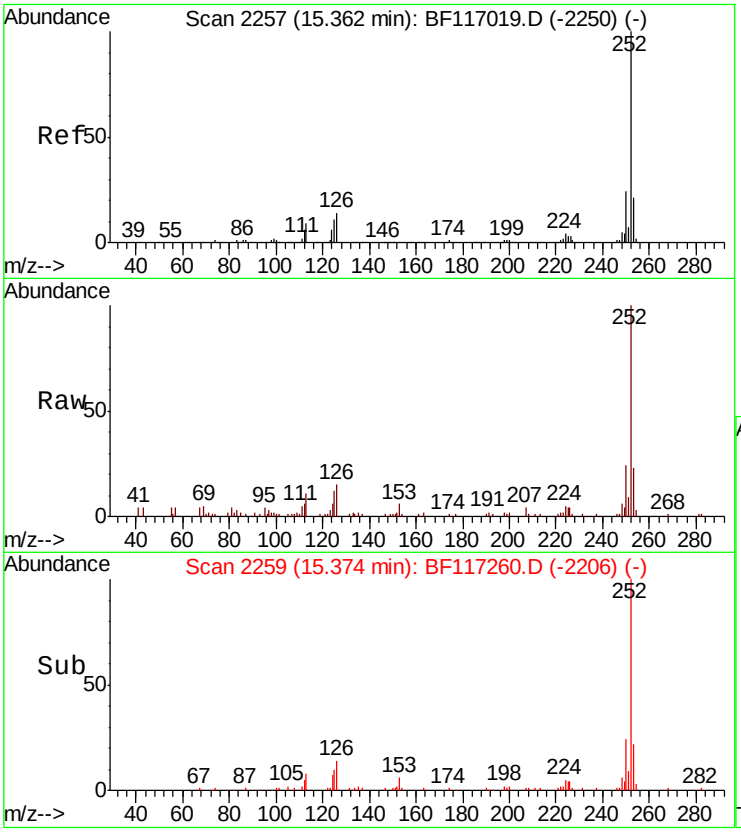


#89
Benzo(k)fluoranthene
Concen: 7.126 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:252 Resp: 23509

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	12.7	8.8	13.2

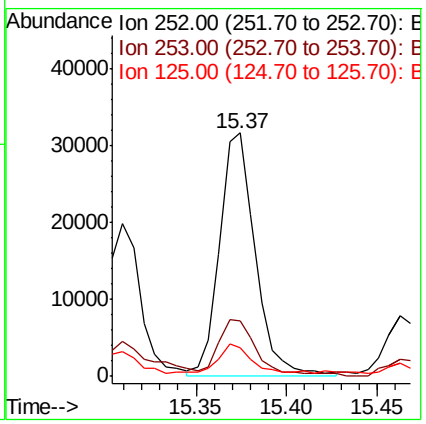




#90
Benzo(a)pyrene
Concen: 14.251 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:252 Resp: 43554

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.6	25.0
125	11.6	8.9	13.3



Instrument :
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ClientSampleId :
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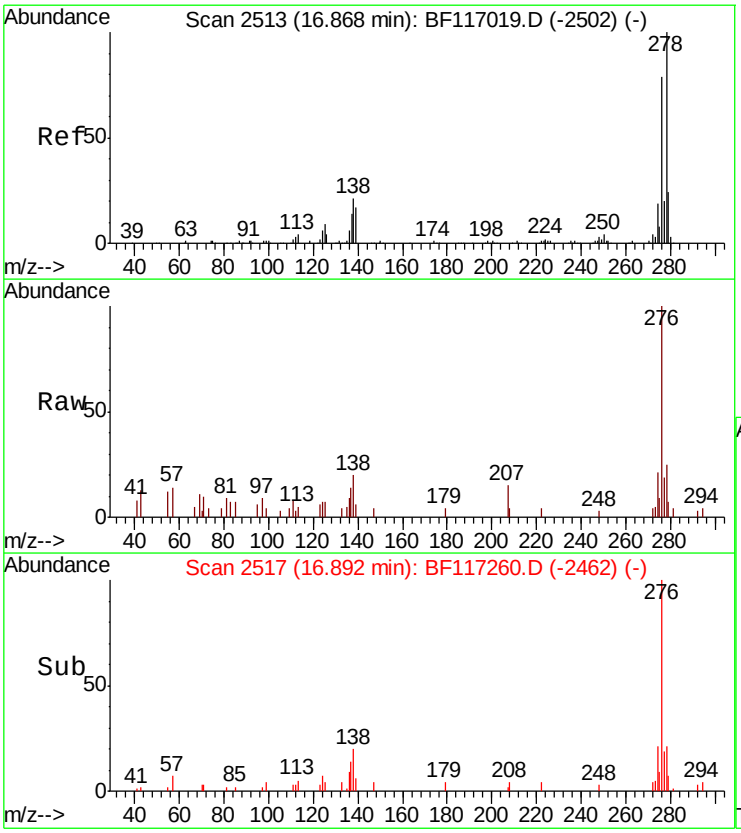
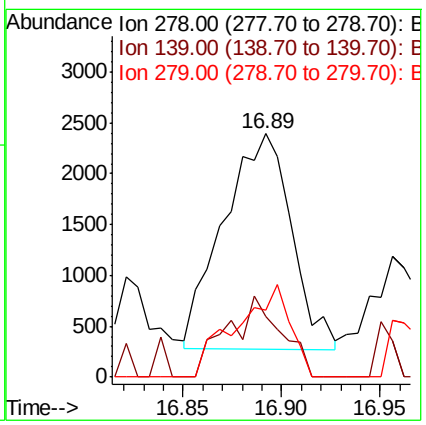
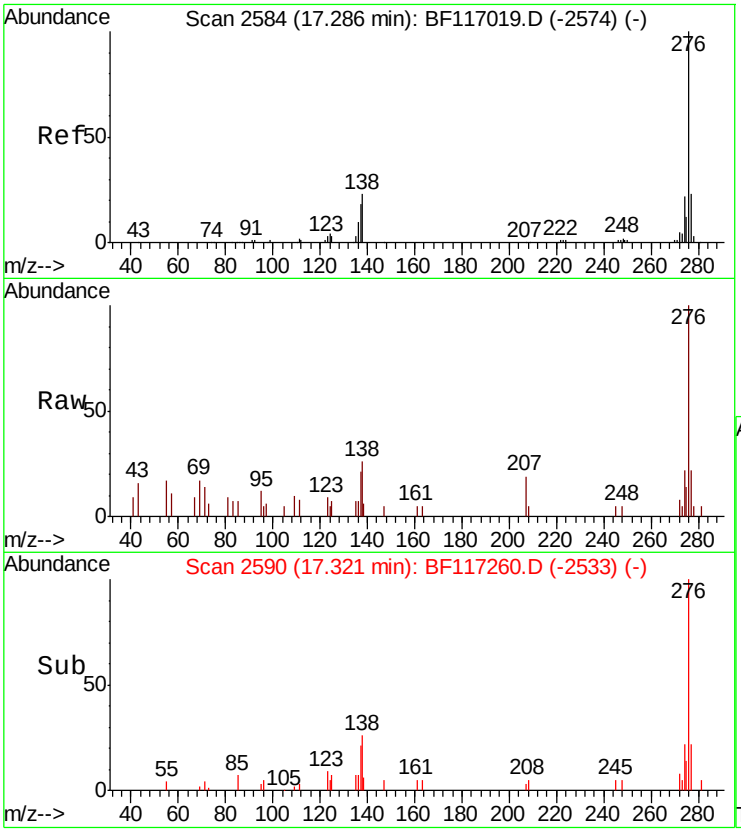


#91
Dibenzo(a,h)anthracene
Concen: 2.099 ng m
RT: 16.89 min Scan# 2517
Delta R.T. 0.02 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:278 Resp: 5111

Ion	Ratio	Lower	Upper
278	100		
139	24.6	13.5	20.3#
279	27.4	18.8	28.2

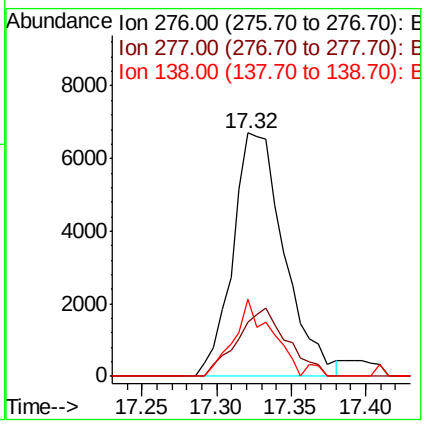




#92
Benzo(g,h,i)perylene
Concen: 6.624 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117260.D
Acq: 26 Sep 2019 1:45

Tgt Ion:276 Resp: 16070

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	27.8
138	31.8	18.0	27.0#



Instrument :
BNA_F
ClientSampleId :
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