Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118330.D
Acq On : 26 Dec 2019 21:40
Operator : JU
Sample : K6118-10 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-01-122319

Manual Integrations APPROVED
mohammad
12/27/2019 3:19:34 PM

Quant Time: Dec 27 06:05:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122616	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	494952	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	239213	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	402307	20.00	ng	0.00
76) Chrysene-d12	14.04	240	353594	20.00	ng	0.00
87) Perylene-d12	15.54	264	271115	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	136343	18.98	ng	0.00
7) Phenol-d6	6.48	99	172534	19.36	ng	0.00
23) Nitrobenzene-d5	7.42	82	98244	11.35	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	43944	14.88	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	215619	13.76	ng	0.00
79) Terphenyl-d14	12.98	244	240174	11.27	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.76	152	48620	2.153	ng	96
71) Phenanthrene	11.42	178	150024	6.841	ng	98
72) Anthracene	11.47	178	53349	2.430	ng	98
75) Fluoranthene	12.61	202	241447	10.908	ng	97
78) Pyrene	12.84	202	315967	10.943	ng	100
81) Benzo(a)anthracene	14.04	228	141530m	5.718	ng	
83) Chrysene	14.07	228	143542	6.057	ng	97
88) Benzo(b)fluoranthene	15.10	252	112222m	6.236	ng	
89) Benzo(k)fluoranthene	15.13	252	42834m	2.479	ng	
90) Benzo(a)pyrene	15.47	252	93274	5.883	ng #	91
92) Benzo(g,h,i)perylene	17.50	276	45662	3.436	ng	98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Acq On : 26 Dec 2019 21:40
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Instrument :
BNA_F
ClientSampleId :
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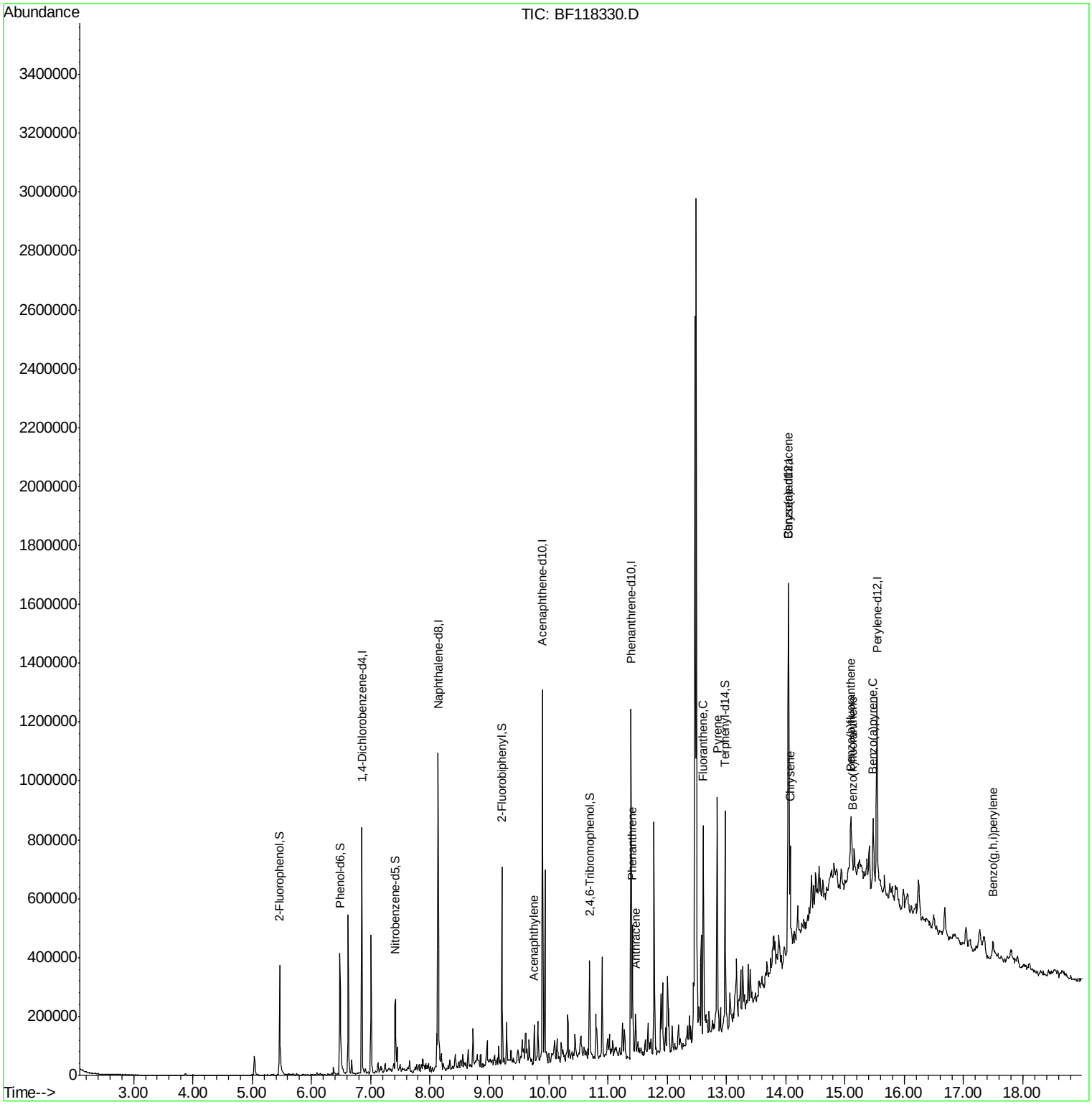
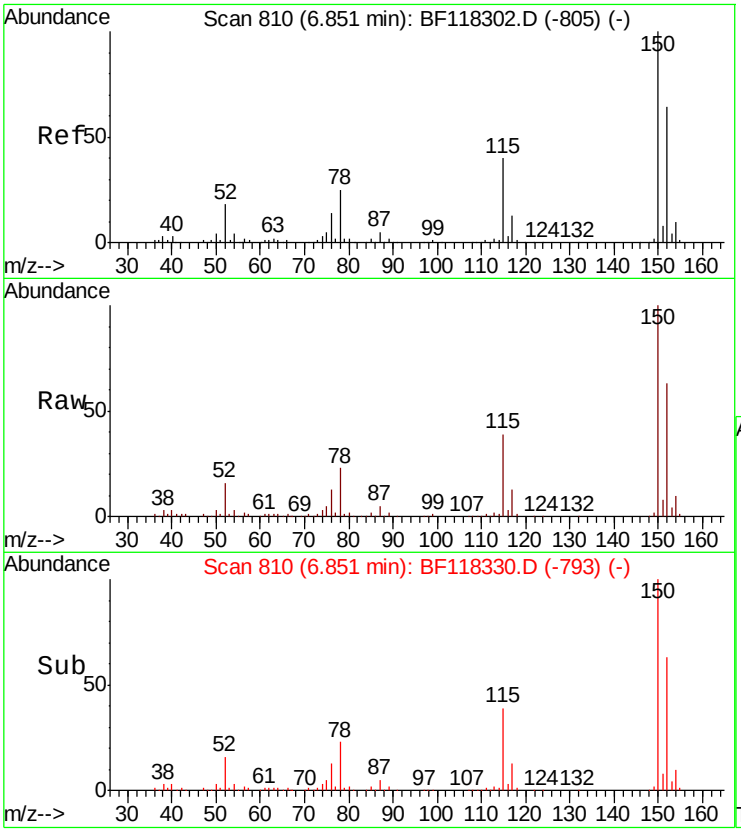
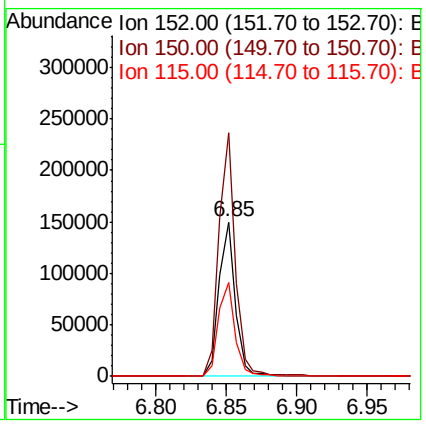




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:152 Resp: 122616

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.4	188.2
115	60.9	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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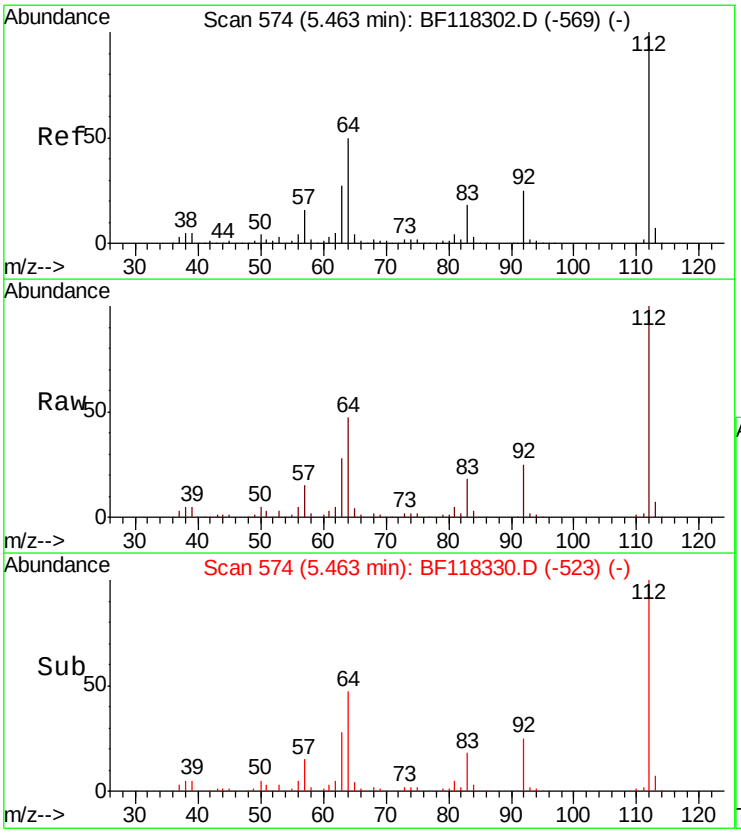
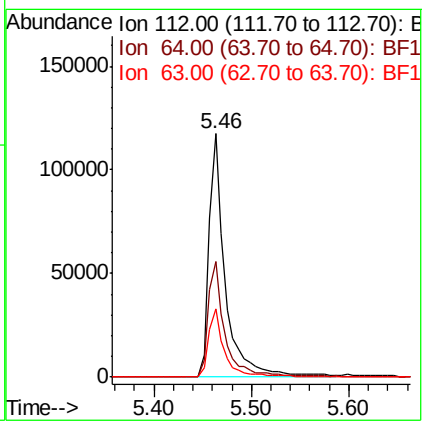
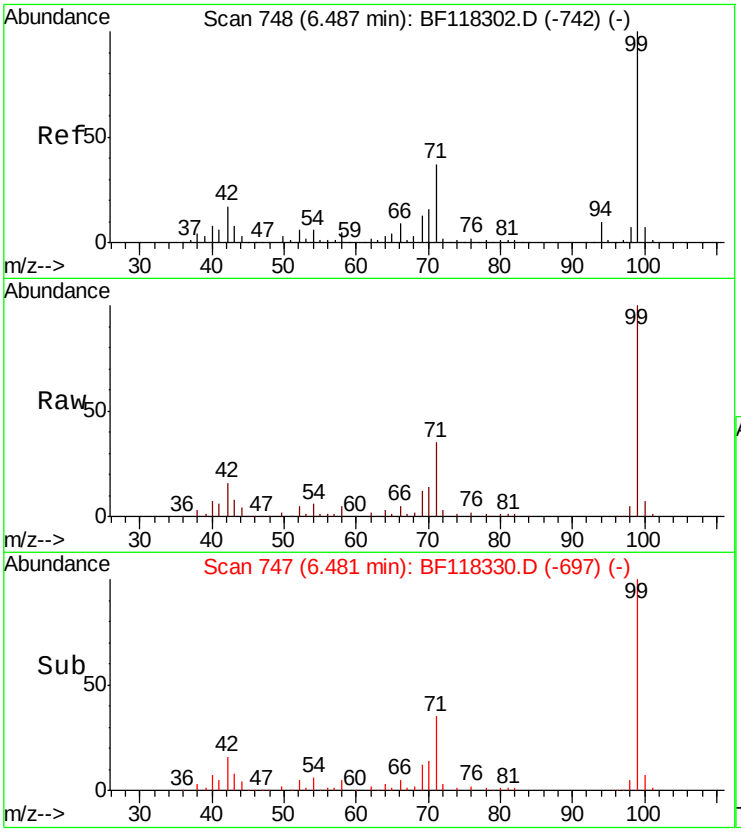


#5
2-Fluorophenol
Concen: 18.981 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:112 Resp: 136343

Ion	Ratio	Lower	Upper
112	100		
64	47.3	39.7	59.5
63	28.1	21.7	32.5

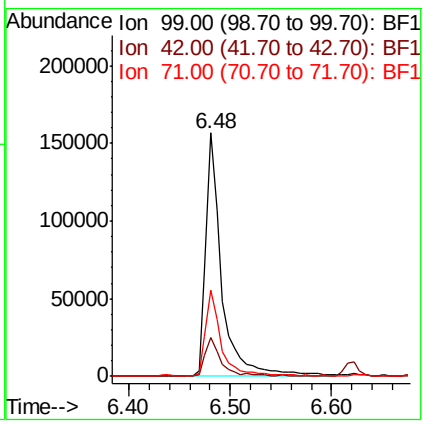




#7
Phenol-d6
Concen: 19.362 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion: 99 Resp: 172534

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	35.1	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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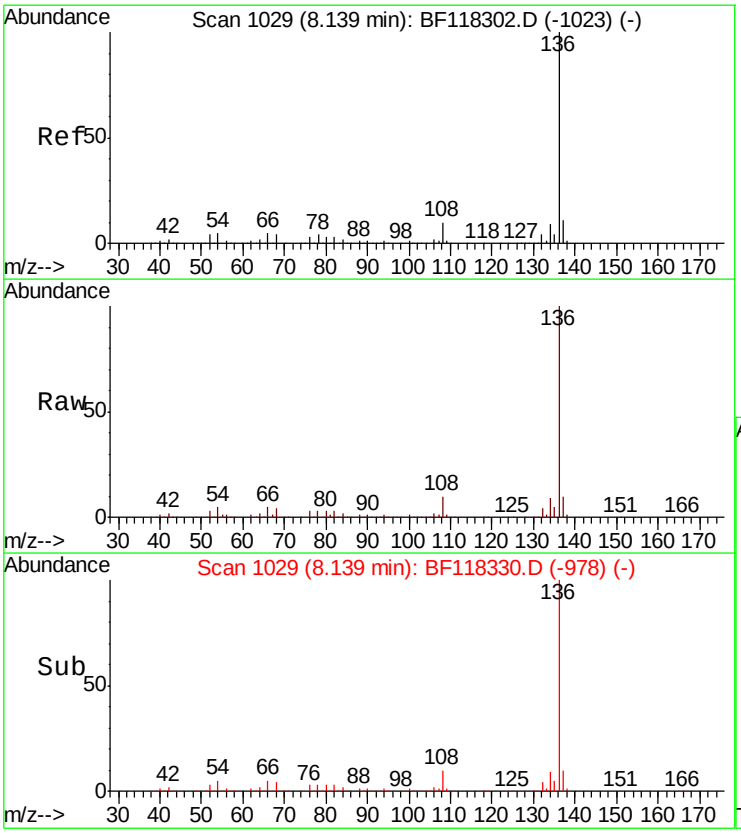
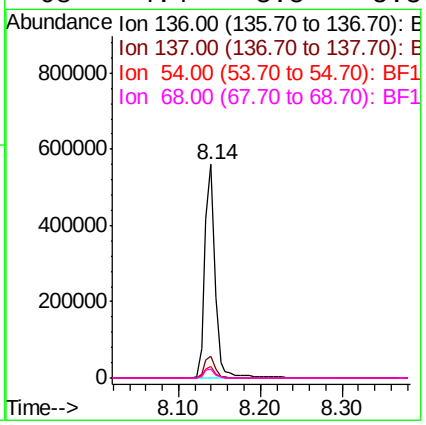
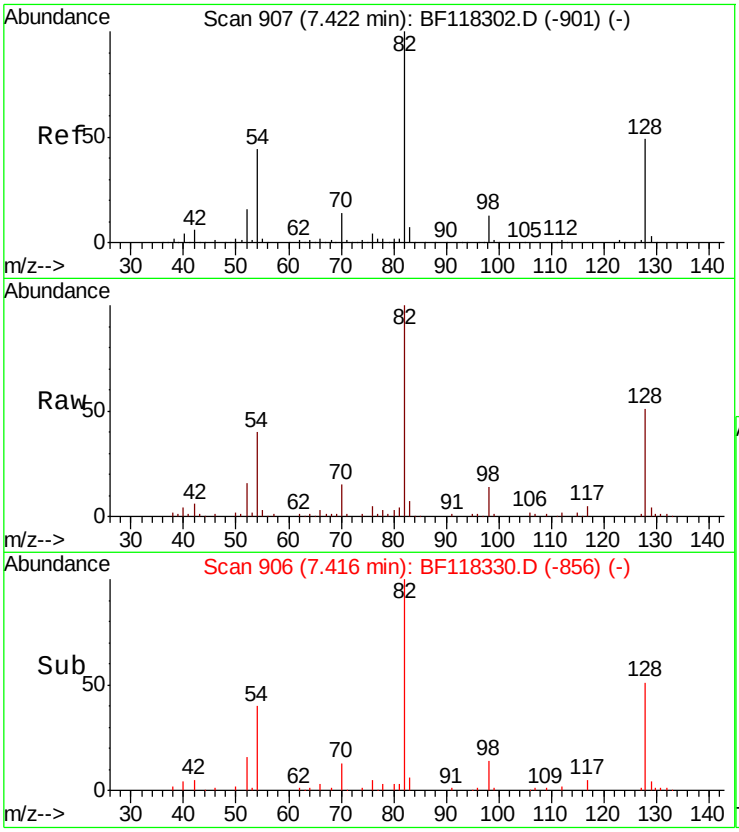


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:136 Resp: 494952

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.2	4.2	6.4
68	4.4	3.5	5.3

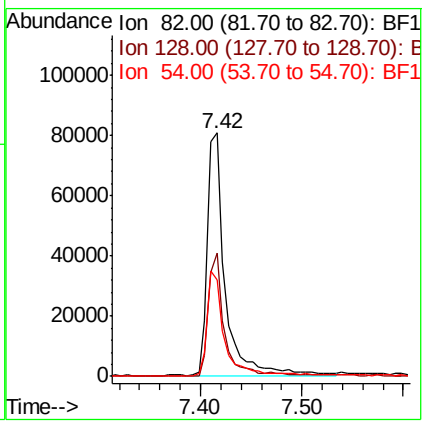




#23
Nitrobenzene-d5
Concen: 11.353 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion: 82 Resp: 98244

Ion	Ratio	Lower	Upper
82	100		
128	50.9	39.6	59.4
54	39.8	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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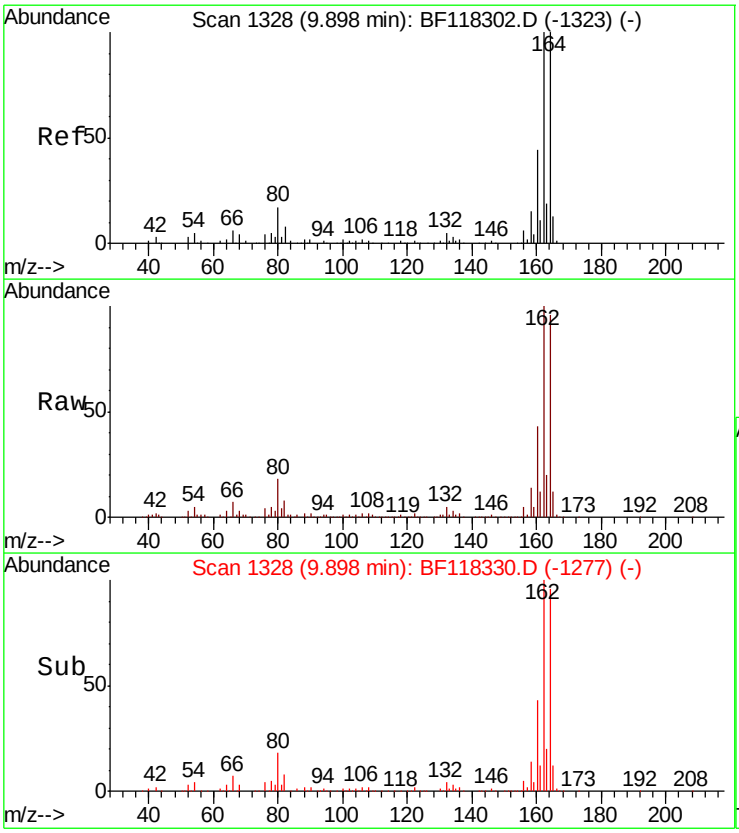
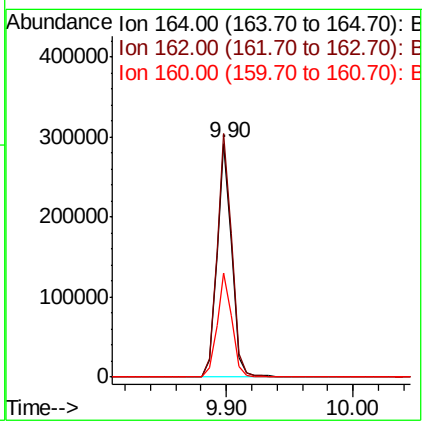
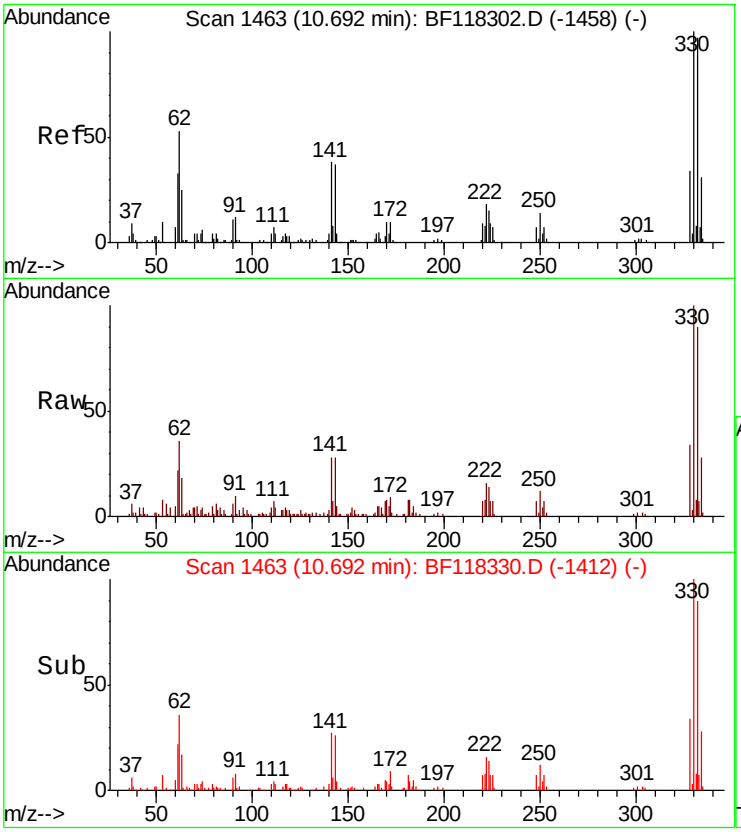


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:164 Resp: 239213

Ion	Ratio	Lower	Upper
164	100		
162	104.2	80.0	120.0
160	44.4	34.8	52.2

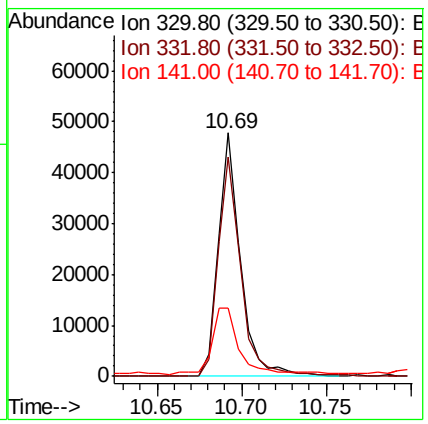




#42
2,4,6-Tribromophenol
Concen: 14.876 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:330 Resp: 43944

Ion	Ratio	Lower	Upper
330	100		
332	93.1	76.6	114.8
141	33.1	26.0	39.0



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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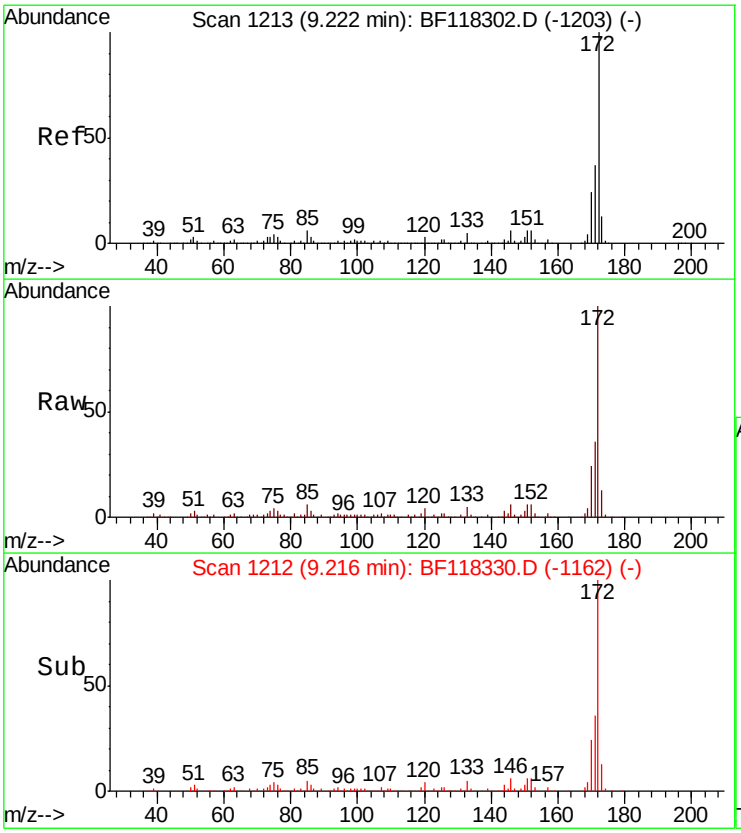
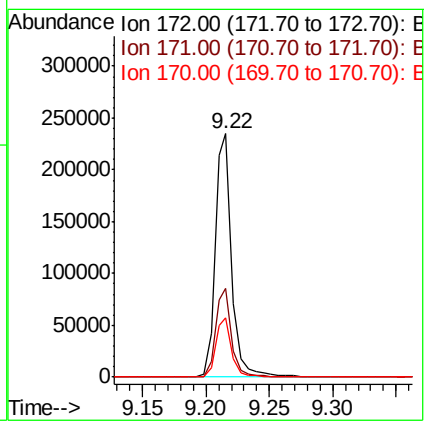
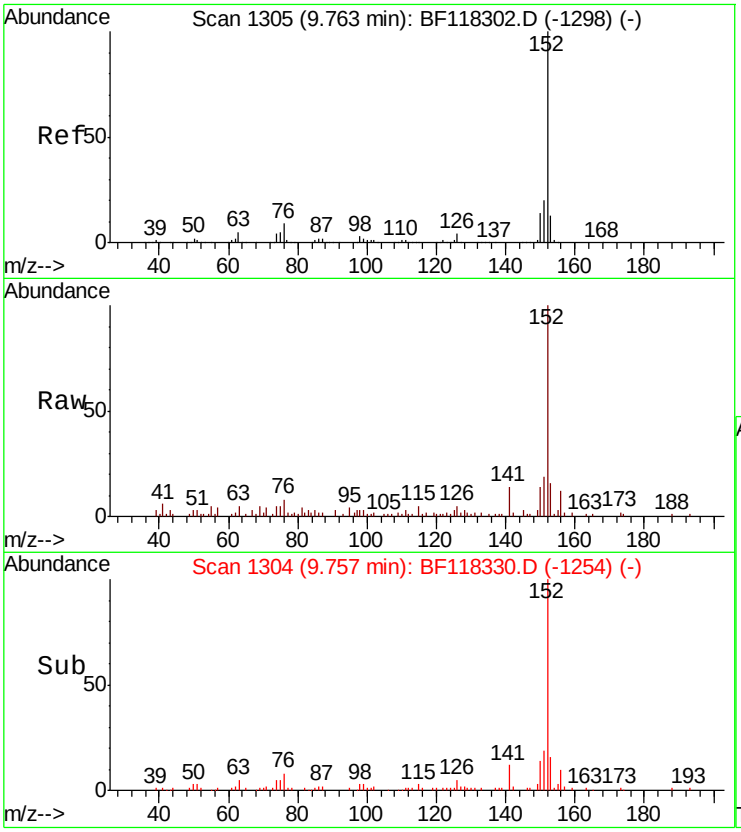


#45
2-Fluorobiphenyl
Concen: 13.759 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:172 Resp: 215619

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.4	19.2	28.8

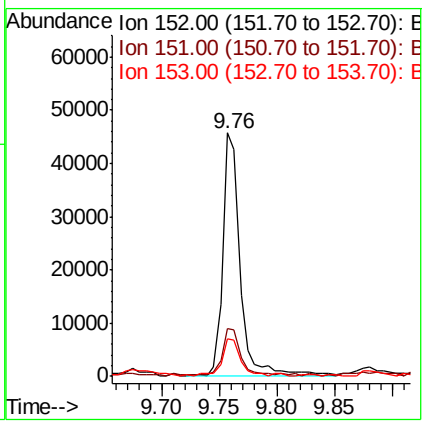




#49
Acenaphthylene
Concen: 2.153 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:152 Resp: 48620

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2
153	15.6	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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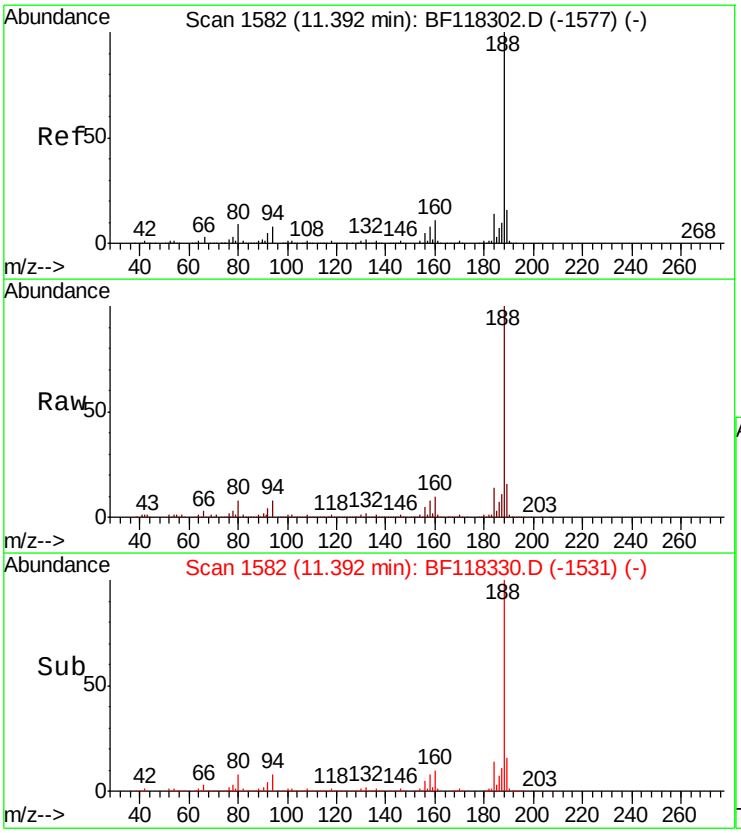
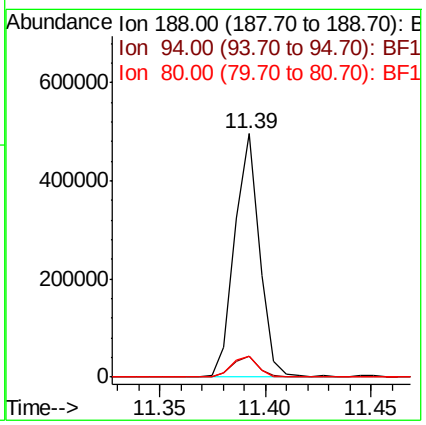
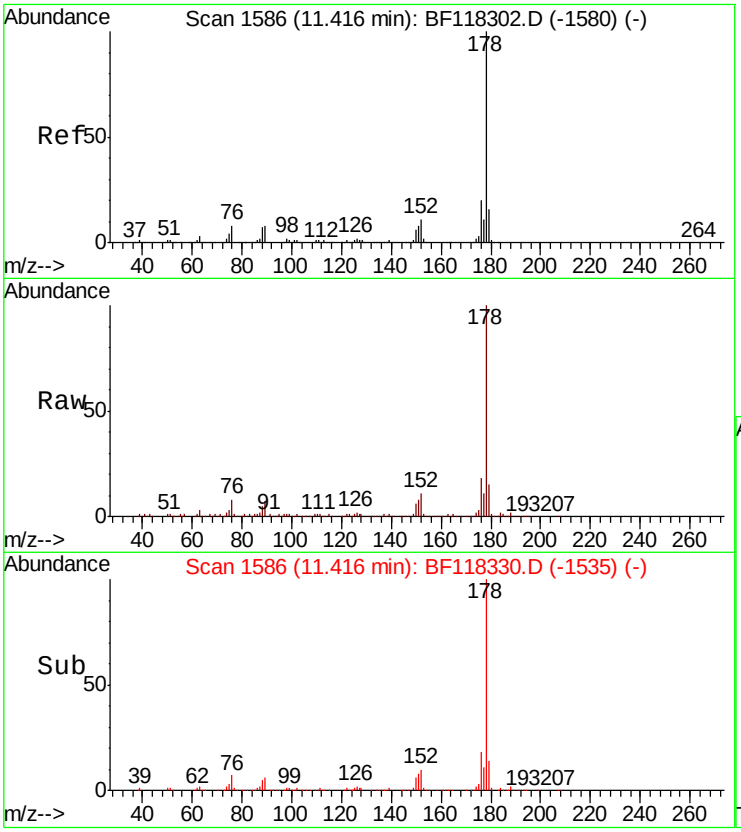


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:188 Resp: 402307

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.4	7.2	10.8

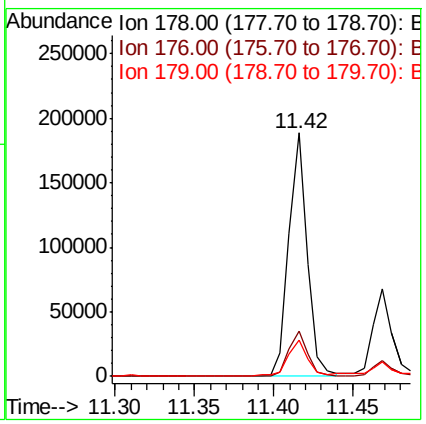




#71
Phenanthrene
Concen: 6.841 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:178 Resp: 150024

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	14.7	12.6	19.0



Instrument :
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ClientSampleId :
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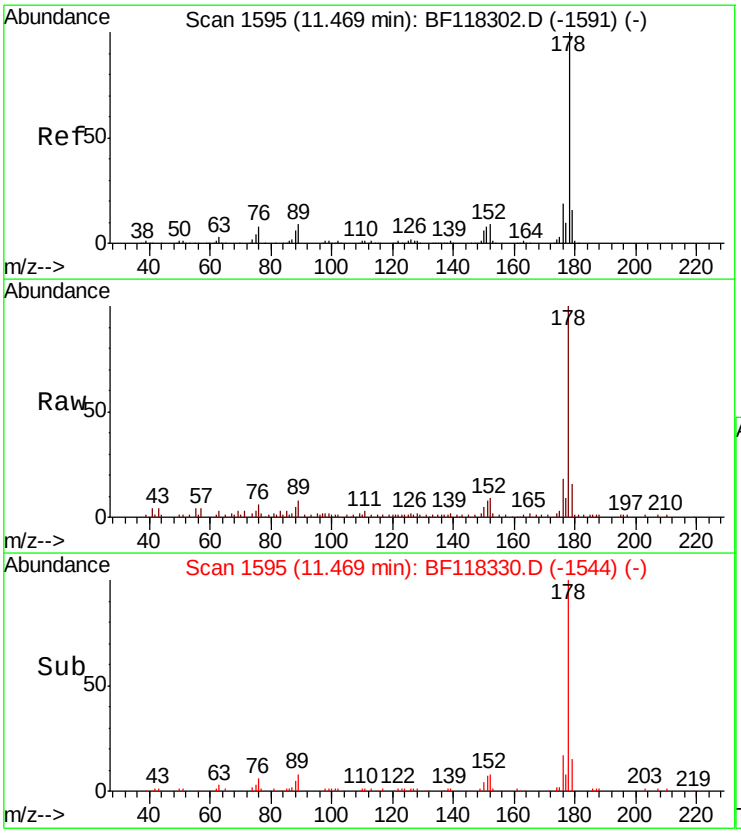
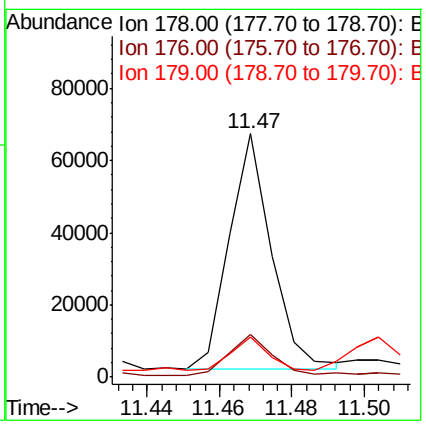
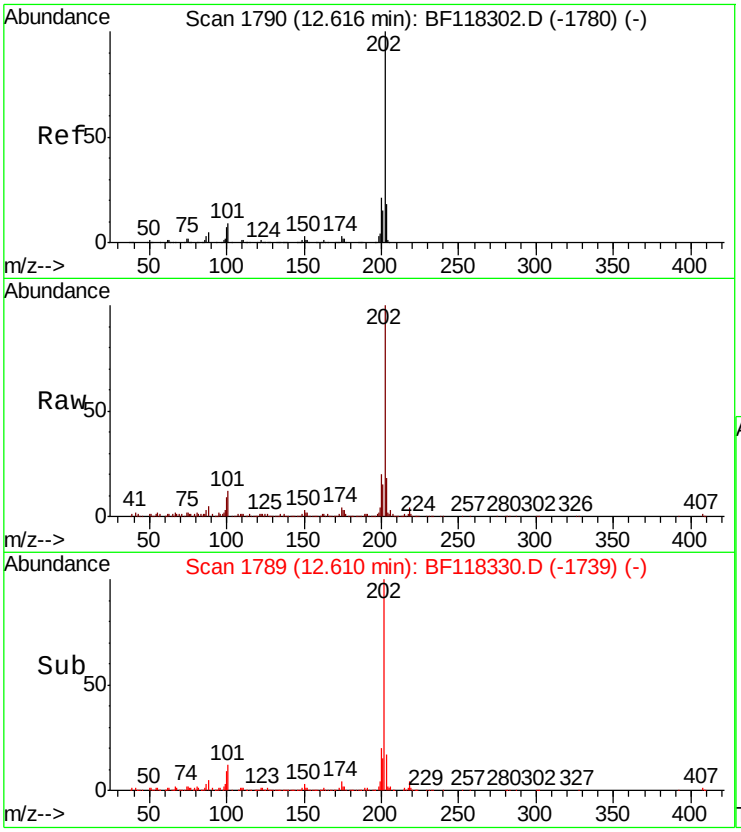


#72
Anthracene
Concen: 2.430 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:178 Resp: 53349

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.2	22.8
179	16.3	12.9	19.3

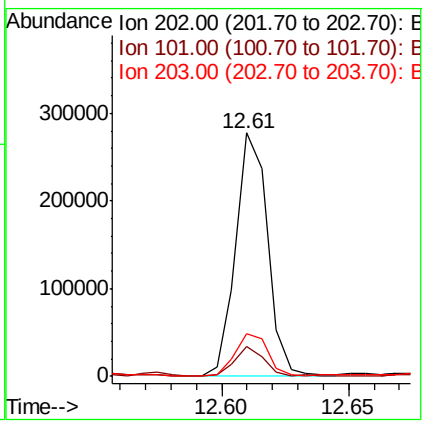




#75
Fluoranthene
Concen: 10.908 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:202 Resp: 241447

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	29.5
203	17.5	0.0	37.6



Instrument :
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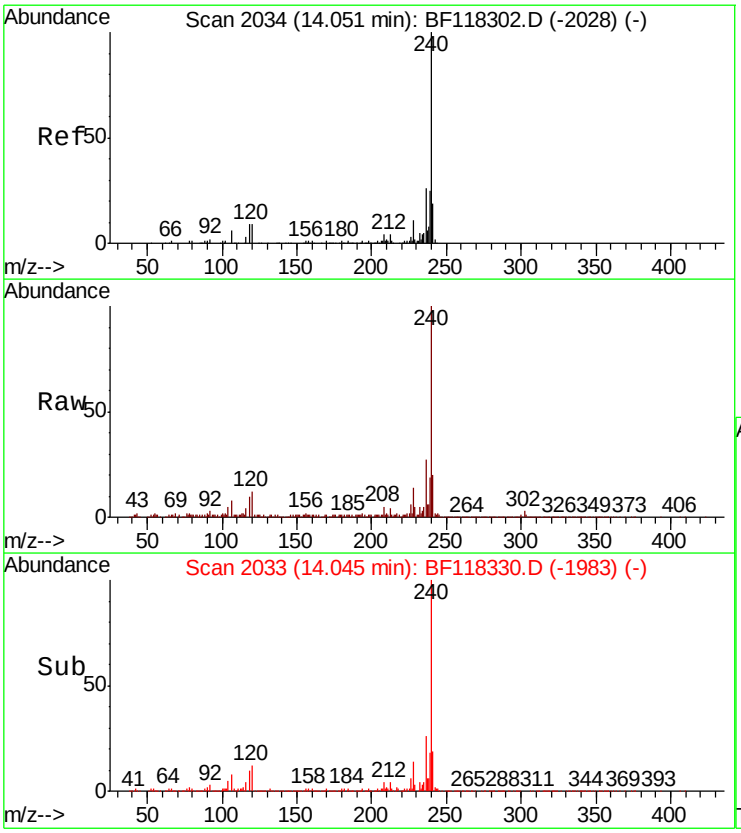
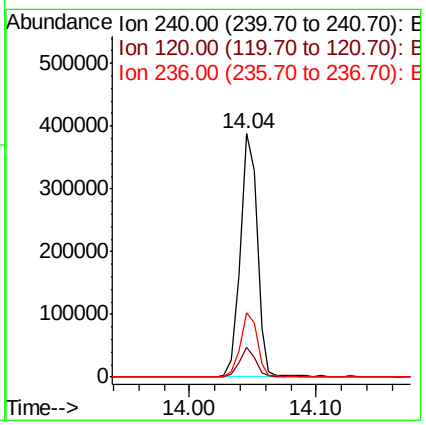
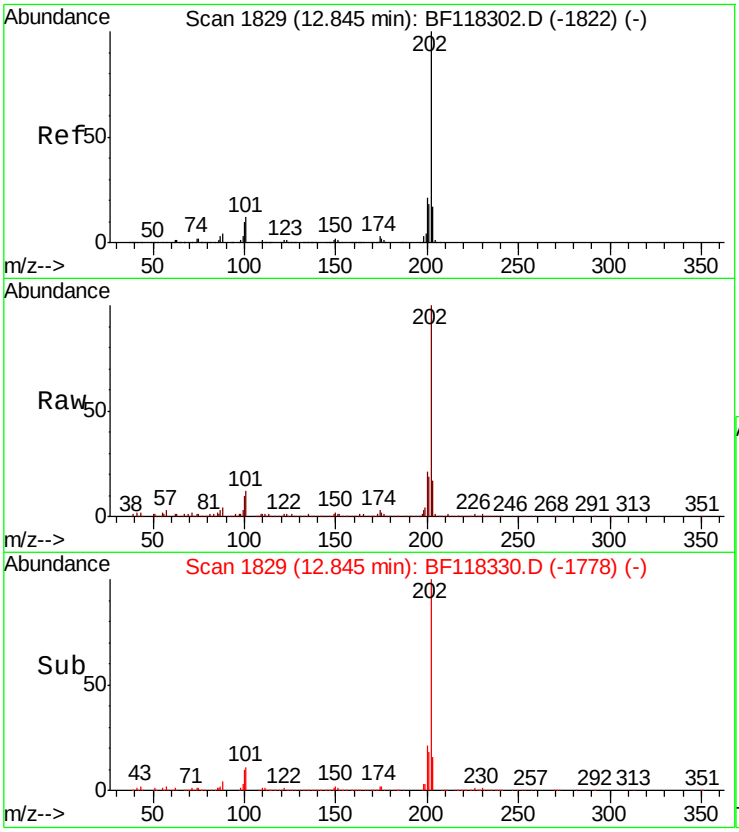


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:240 Resp: 353594

Ion	Ratio	Lower	Upper
240	100		
120	12.3	7.1	10.7#
236	26.6	21.0	31.6

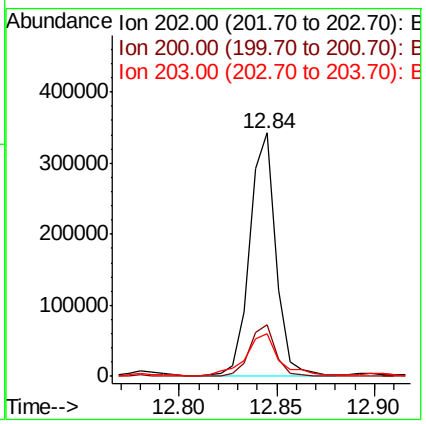




#78
Pyrene
Concen: 10.943 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:202 Resp: 315967

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.4	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

Manual Integrations APPROVED
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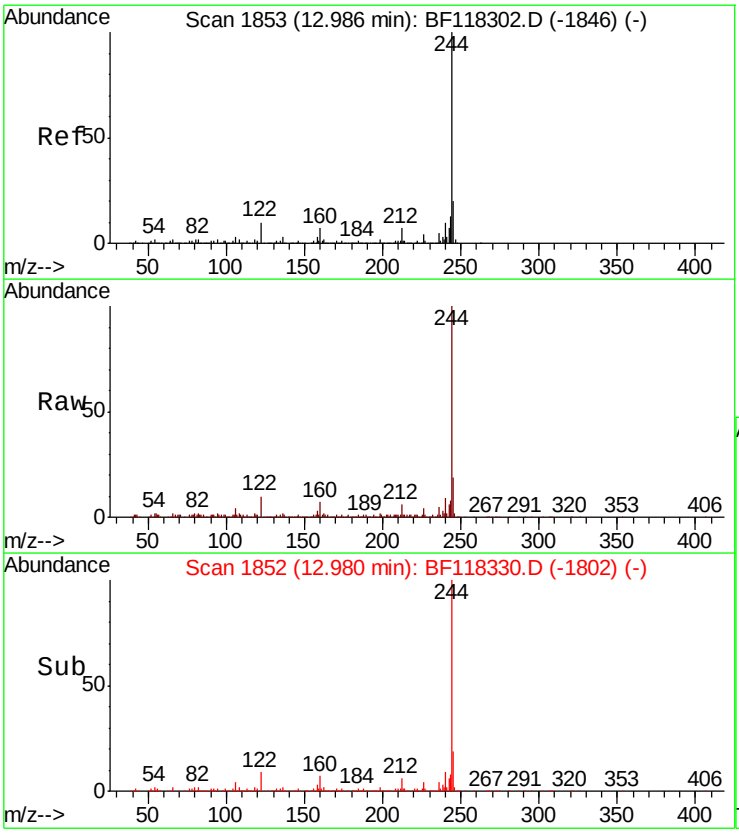
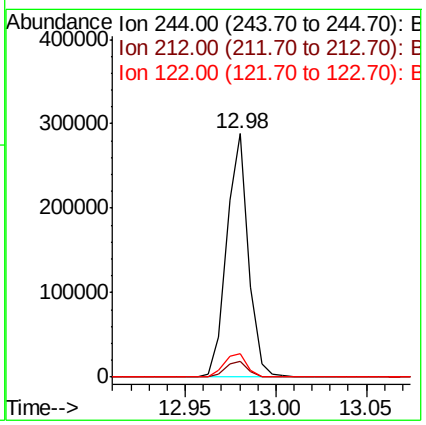
12/27/2019 3:19:34 PM

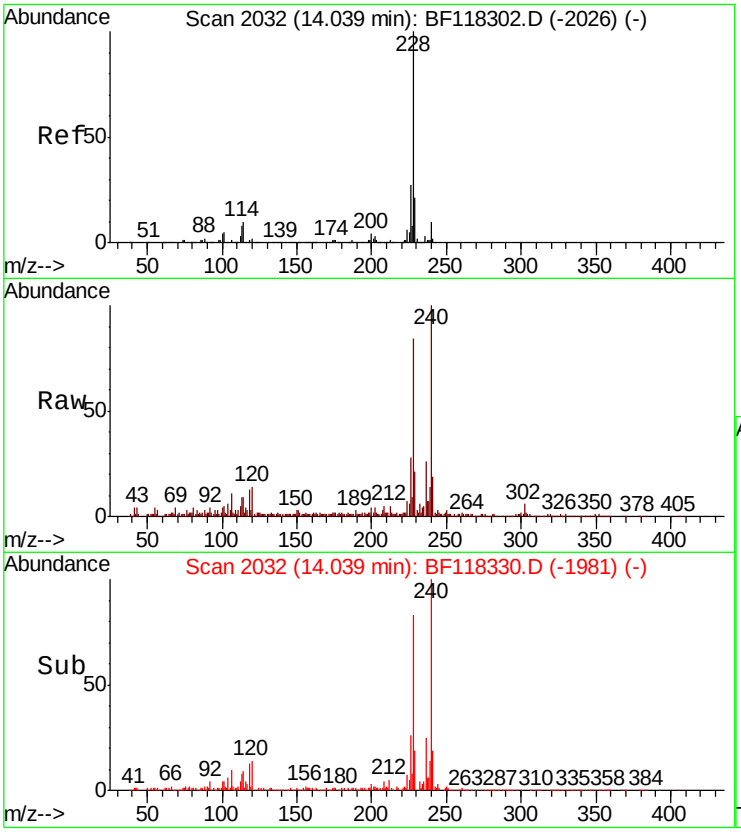


#79
Terphenyl-d14
Concen: 11.269 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:244 Resp: 240174

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	9.7	7.8	11.8





#81
Benzo(a)anthracene
Concen: 5.718 ng m
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:228 Resp: 141530

Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.0	33.0#
229	25.1	16.6	24.8#

Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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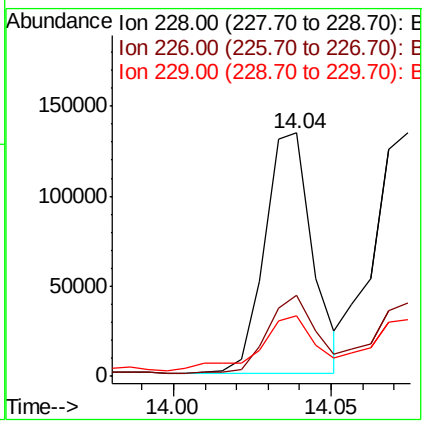
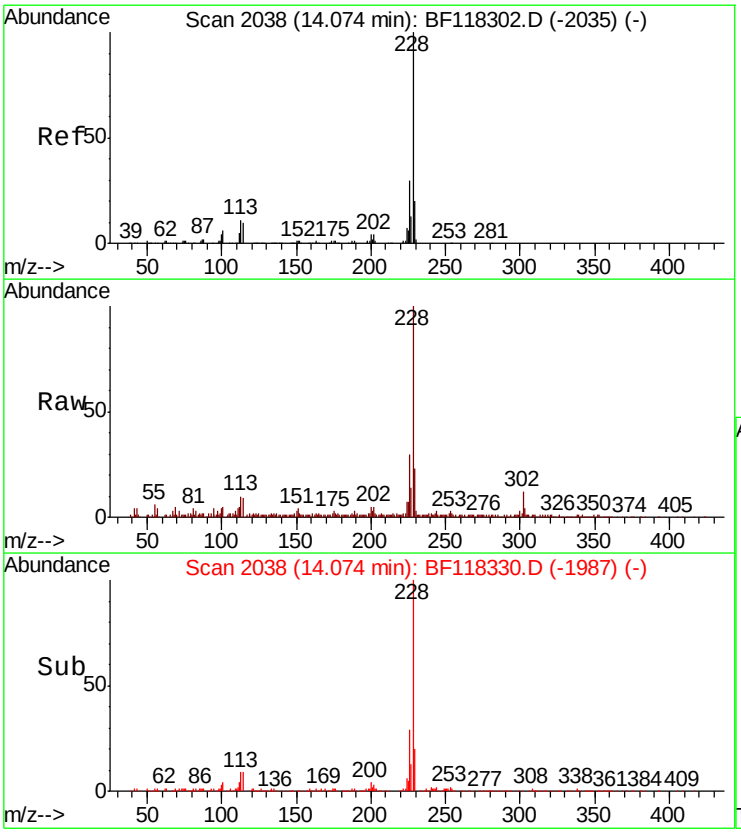
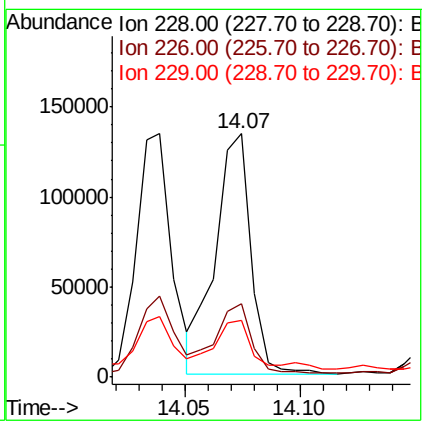


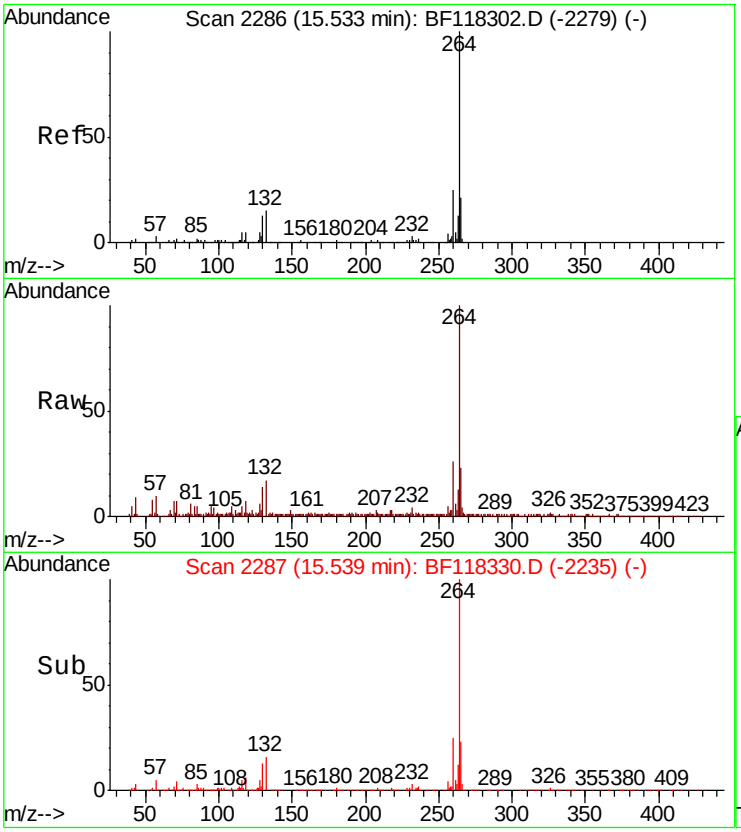


#83
Chrysene
Concen: 6.057 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:228 Resp: 143542

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	23.2	16.1	24.1

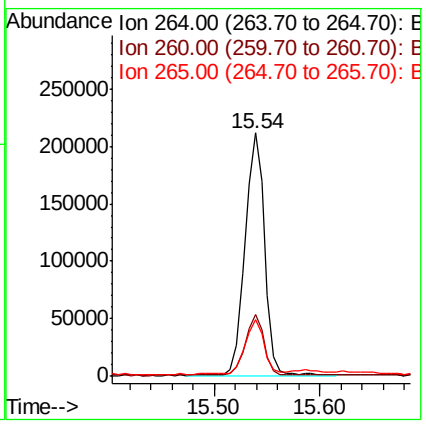




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:264 Resp: 271115

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.8	29.6
265	23.2	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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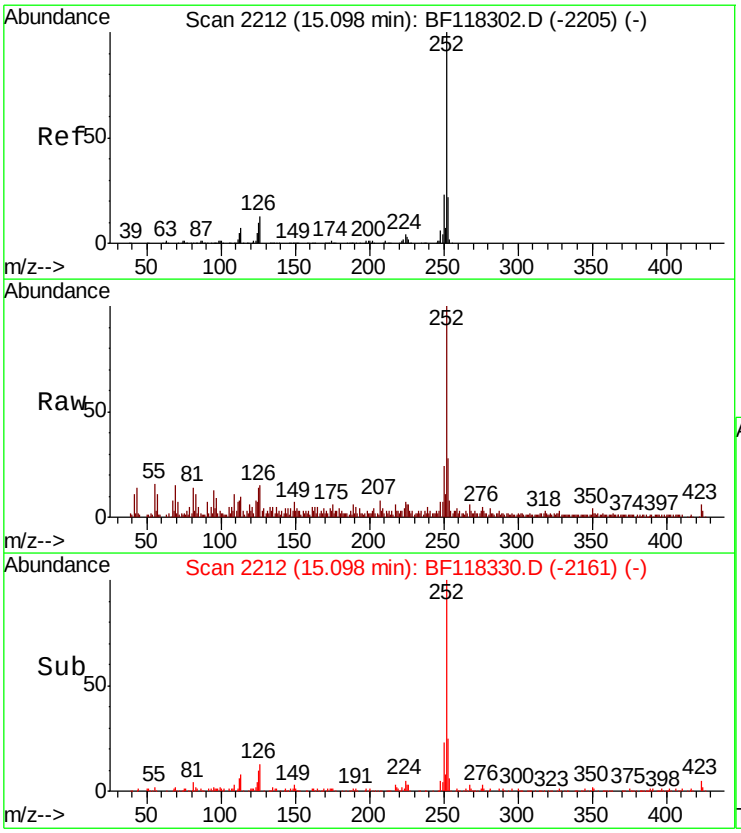
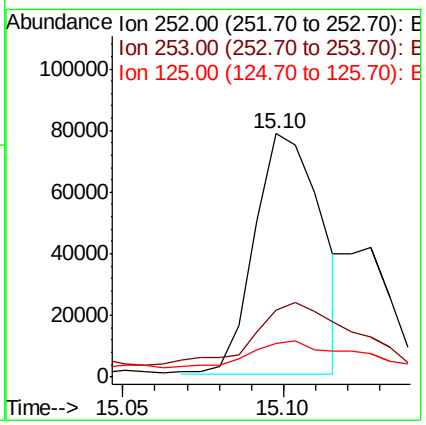
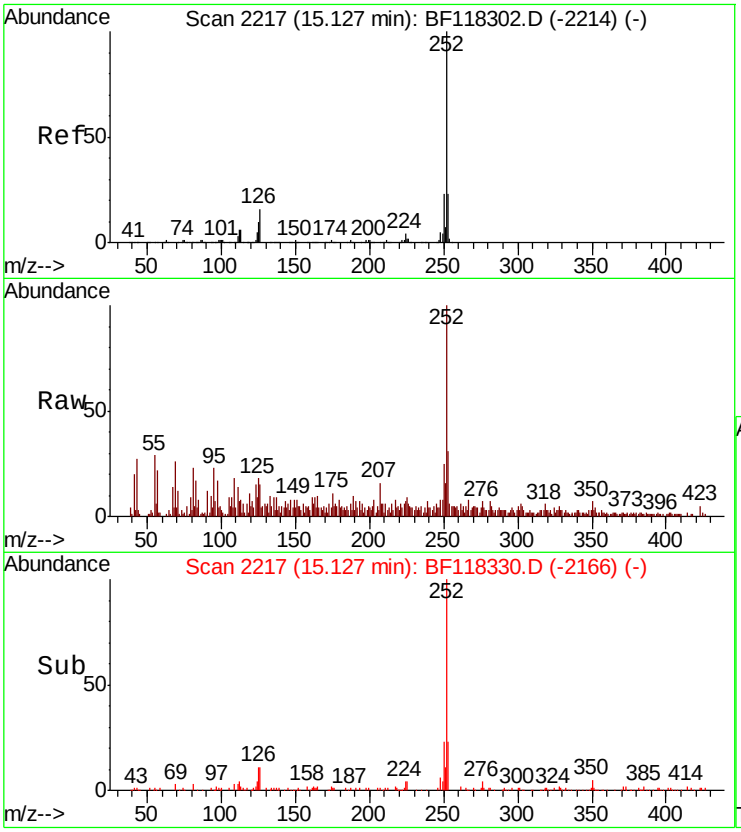


#88
Benzo(b)fluoranthene
Concen: 6.236 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:252 Resp: 112222

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	14.0	7.7	11.5#





#89
Benzo(k)fluoranthene
Concen: 2.479 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:252 Resp: 42834

Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.0	27.0#
125	17.9	8.0	12.0#

Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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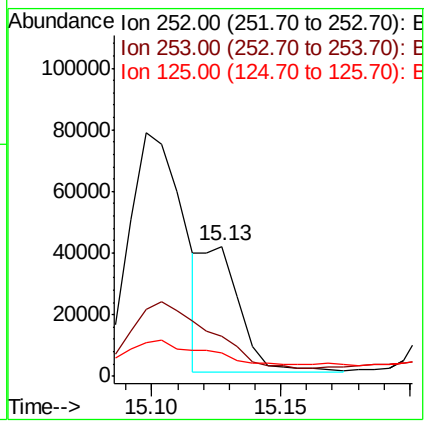
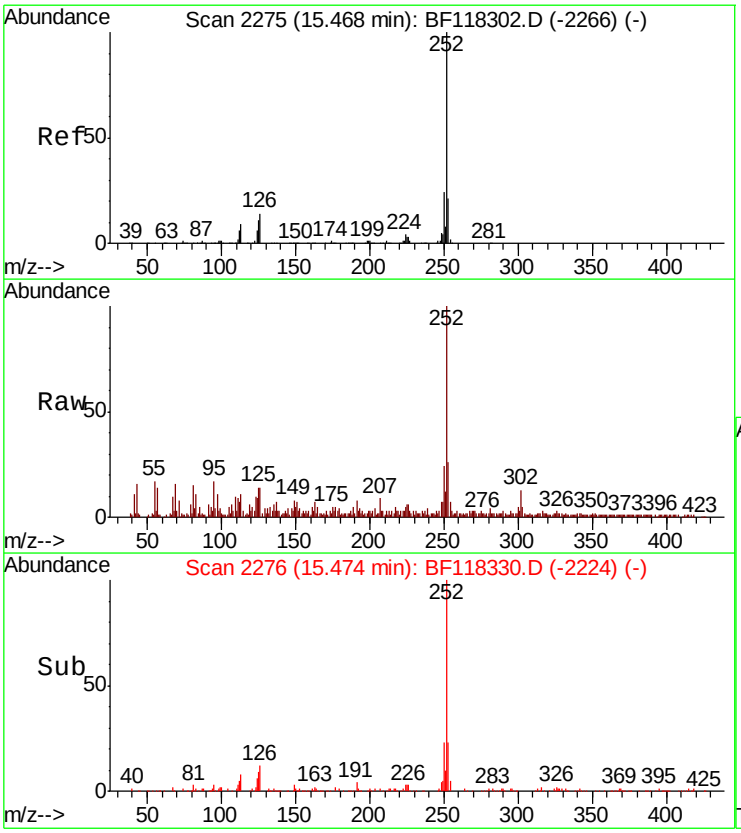
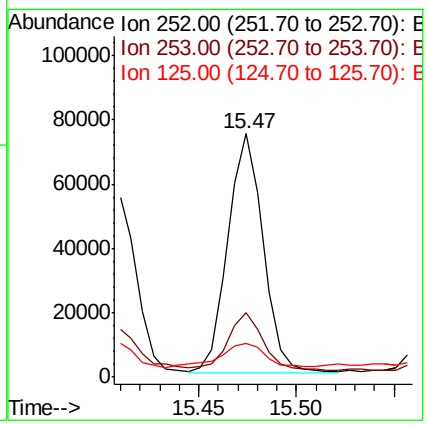


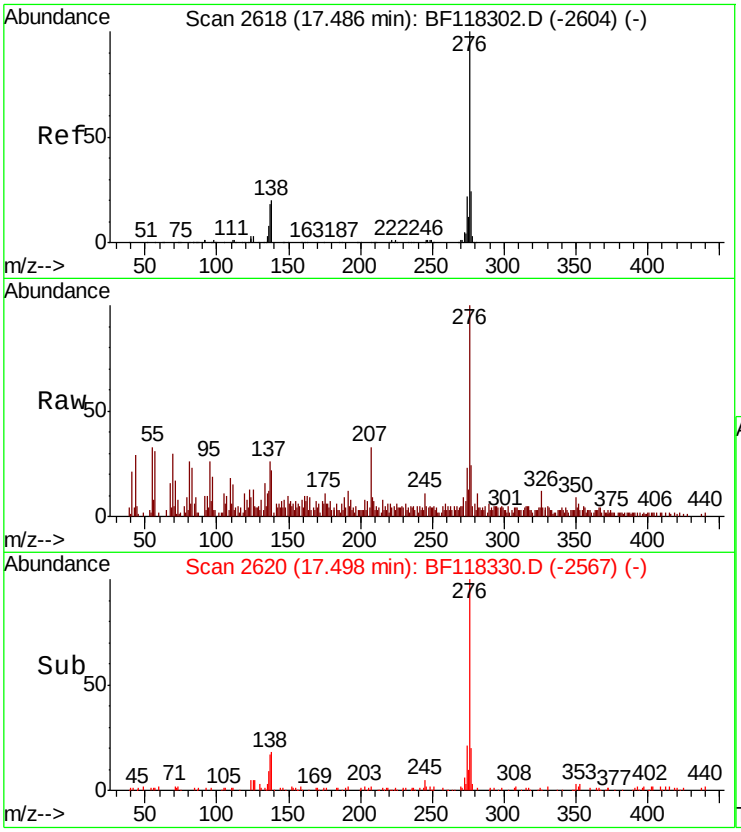


#90
Benzo(a)pyrene
Concen: 5.883 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:252 Resp: 93274

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6#
125	14.0	9.0	13.4#

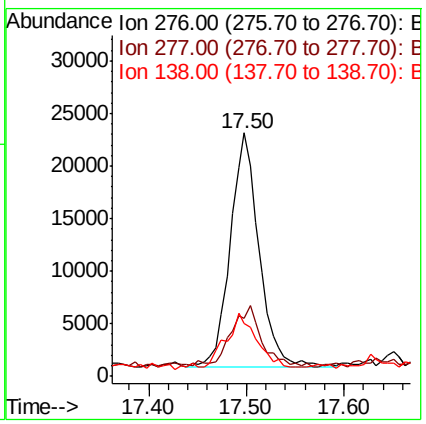




#92
Benzo(g,h,i)perylene
Concen: 3.436 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF118330.D
Acq: 26 Dec 2019 21:40

Tgt Ion:276 Resp: 45662

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	21.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SU-01-122319

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