Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-16A

Manual Integrations APPROVED
mohammad
4/27/2020 3:04:52 PM

Quant Time: Apr 24 17:44:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 10:24:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	133988	20.00	ng		0.00
21) Naphthalene-d8	7.95	136	484007	20.00	ng		0.00
39) Acenaphthene-d10	9.70	164	214585	20.00	ng		0.00
64) Phenanthrene-d10	11.19	188	325689	20.00	ng		0.00
76) Chrysene-d12	13.83	240	243583	20.00	ng		0.00
87) Perylene-d12	15.23	264	195808	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.27	112	641564	82.75	ng		0.00
7) Phenol-d6	6.32	99	827938	82.87	ng		0.00
23) Nitrobenzene-d5	7.23	82	505274	54.01	ng		0.00
42) 2,4,6-Tribromophenol	10.49	330	143332	54.56	ng		0.00
45) 2-Fluorobiphenyl	9.03	172	928313	61.42	ng		0.00
79) Terphenyl-d14	12.77	244	747123	51.61	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.97	128	966019	37.935	ng		98
37) 2-Methylnaphthalene	8.66	142	467530	27.080	ng		98
38) 1-Methylnaphthalene	8.76	142	368611	22.652	ng		99
46) 1,1'-Biphenyl	9.13	154	67439	3.723	ng		93
49) Acenaphthylene	9.56	152	45452	2.142	ng	#	82
50) Dimethylphthalate	9.43	163	181009	10.906	ng		99
52) Acenaphthene	9.74	154	392381	27.721	ng		97
55) Dibenzofuran	9.91	168	122339	6.298	ng	#	92
58) Fluorene	10.25	166	328609	21.154	ng		99
71) Phenanthrene	11.22	178	1609436	92.851	ng		99
72) Anthracene	11.26	178	484270	27.349	ng		98
75) Fluoranthene	12.40	202	827552	44.248	ng		97
78) Pyrene	12.63	202	988911	48.159	ng		99
81) Benzo(a)anthracene	13.82	228	318072	19.849	ng		97
83) Chrysene	13.85	228	311403	19.125	ng		96
86) Indeno(1,2,3-cd)pyrene	16.58	276	78608	5.477	ng	#	95
88) Benzo(b)fluoranthene	14.83	252	238215m	16.912	ng		
89) Benzo(k)fluoranthene	14.86	252	72729m	5.984	ng		
90) Benzo(a)pyrene	15.17	252	167576	14.149	ng		97
91) Dibenzo(a,h)anthracene	16.59	278	23952	2.283	ng	#	70
92) Benzo(g,h,i)perylene	16.99	276	78202	7.552	ng		94

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042420\
Data File : BF120206.D
Acq On : 24 Apr 2020 17:03
Operator : MA/SJ
Sample : L2375-02
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Apr 24 17:44:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 10:24:30 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-16A

Manual Integrations APPROVED
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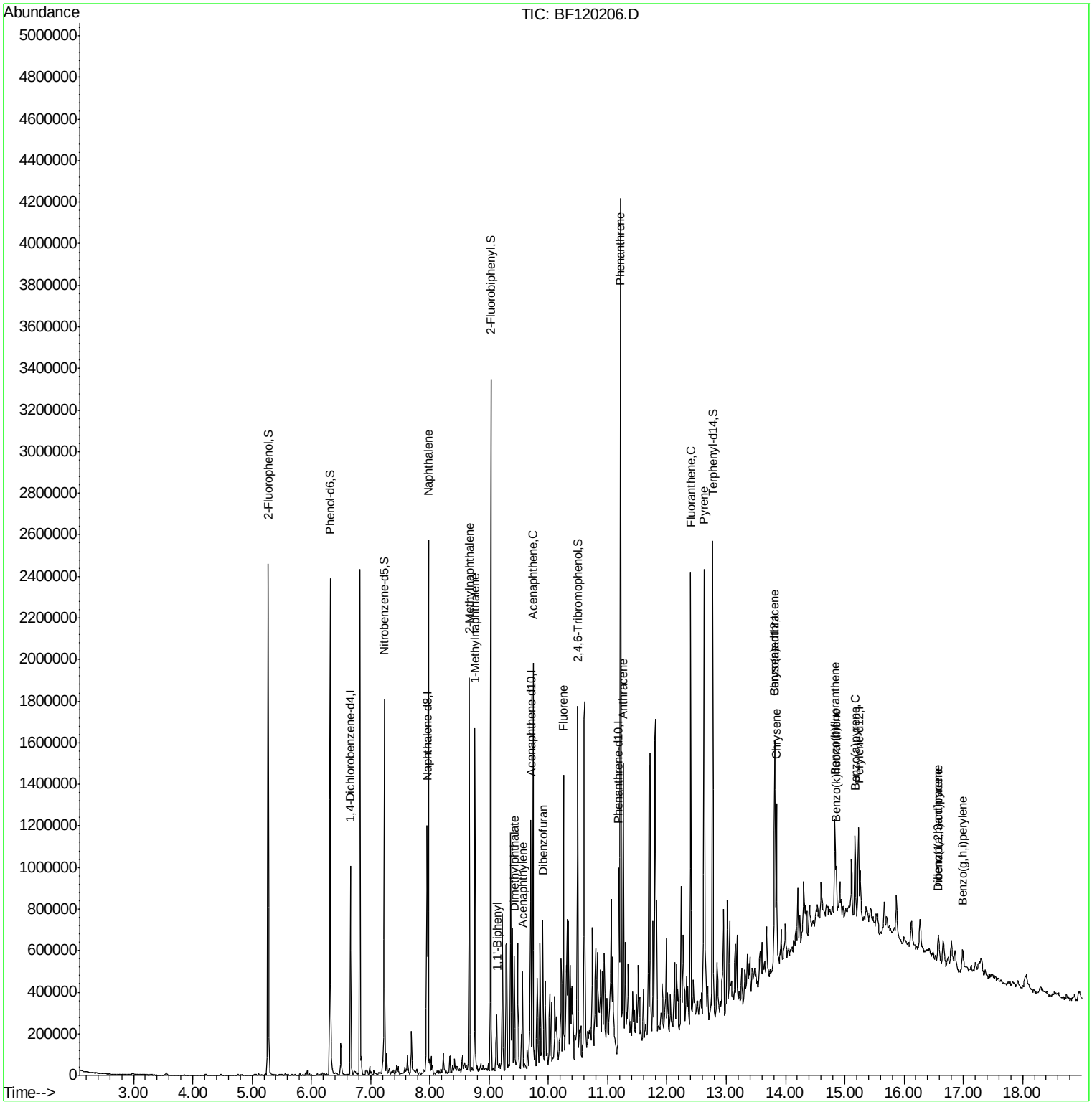
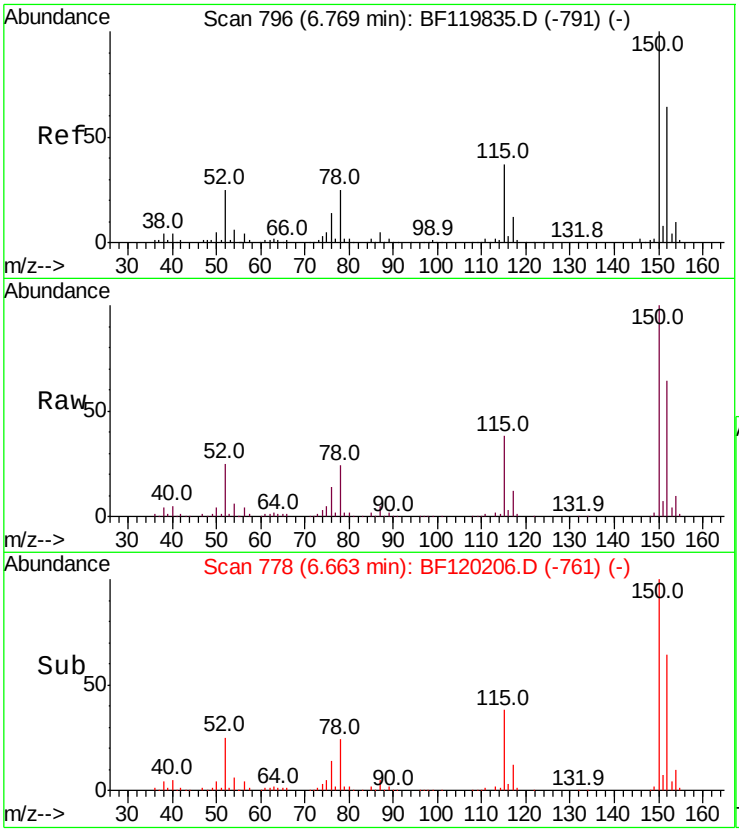
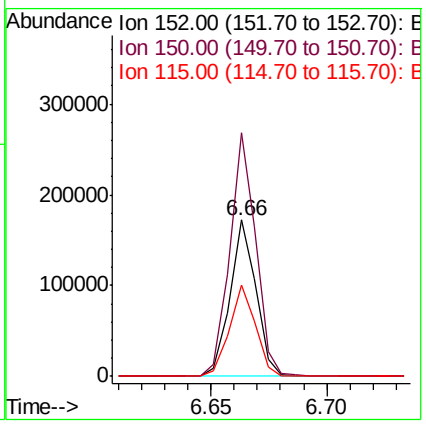




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:152 Resp: 133988

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.5	186.7
115	58.8	49.6	74.4



Instrument :
BNA_F
ClientSampleId :
TP-16A

Manual Integrations APPROVED
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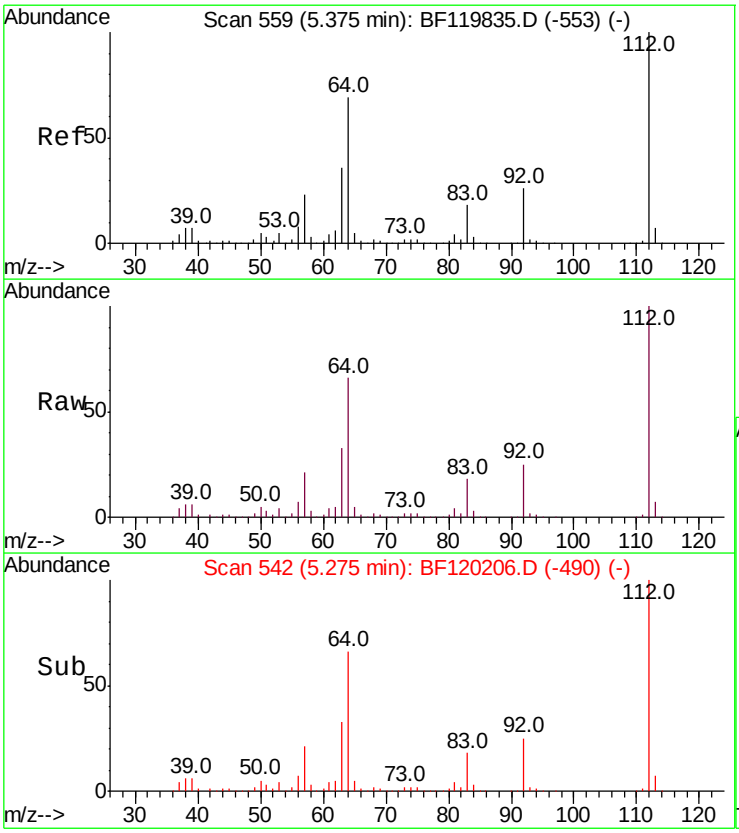
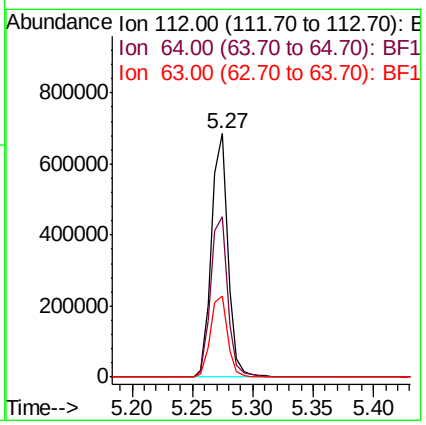
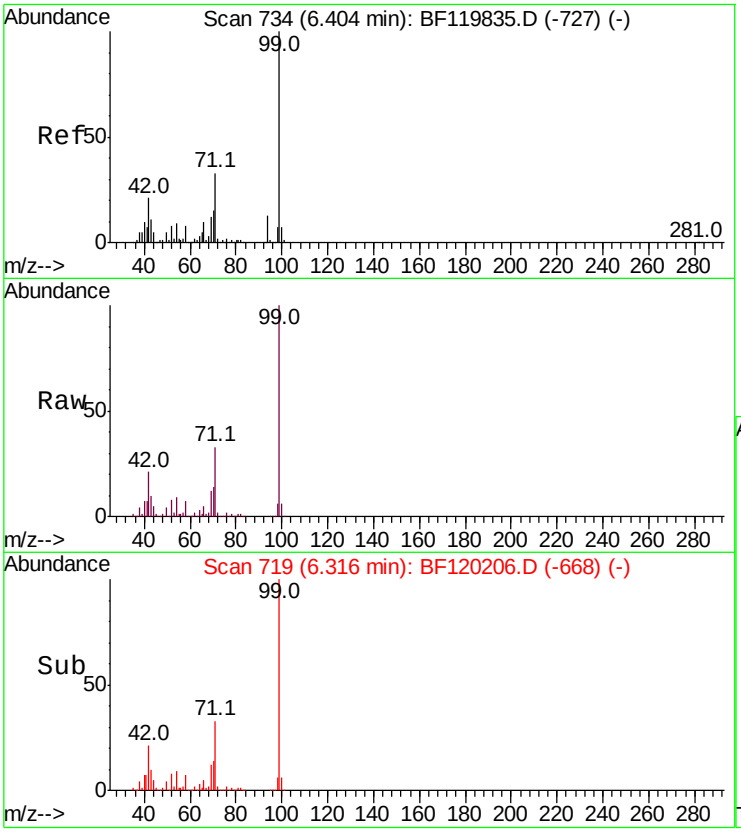


#5
2-Fluorophenol
Concen: 82.749 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:112 Resp: 641564

Ion	Ratio	Lower	Upper
112	100		
64	65.7	56.7	85.1
63	33.2	29.5	44.3

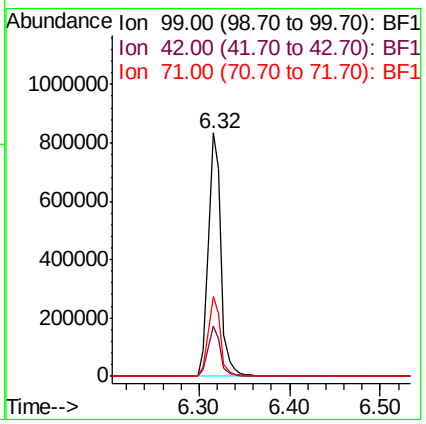




#7
Phenol-d6
Concen: 82.874 ng
RT: 6.32 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion: 99 Resp: 827938

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	24.8
71	33.0	26.4	39.6



Instrument :
BNA_F
ClientSampleId :
TP-16A

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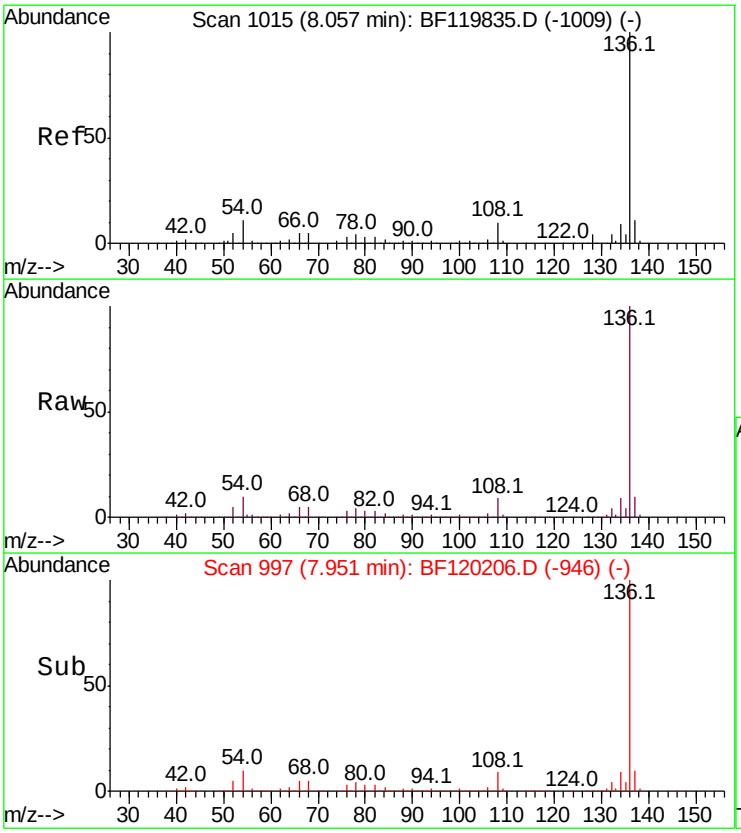
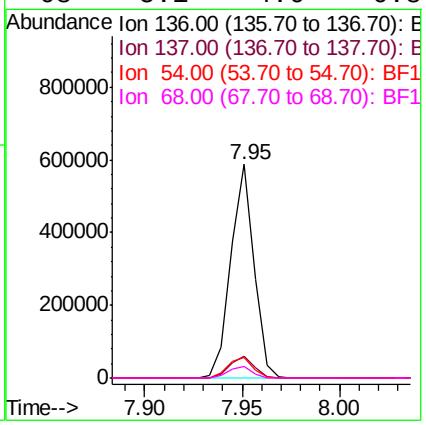
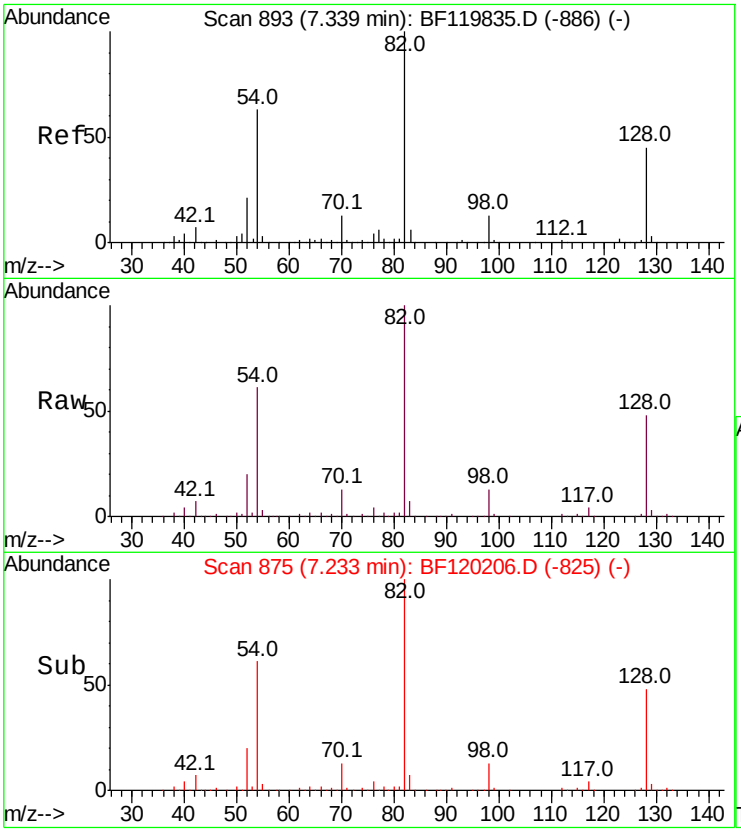


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:136 Resp: 484007

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	9.5	9.1	13.7
68	5.1	4.6	6.8

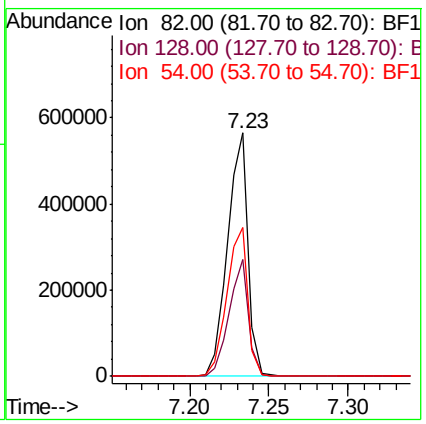




#23
Nitrobenzene-d5
Concen: 54.007 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion: 82 Resp: 505274

Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	61.0	50.6	75.8



Instrument :
BNA_F
ClientSampleId :
TP-16A

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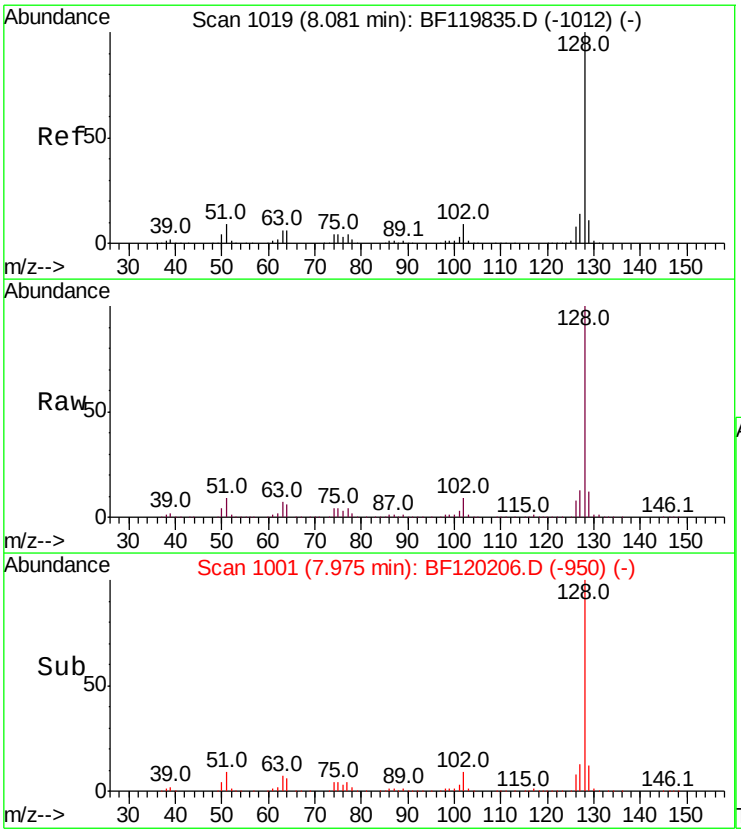
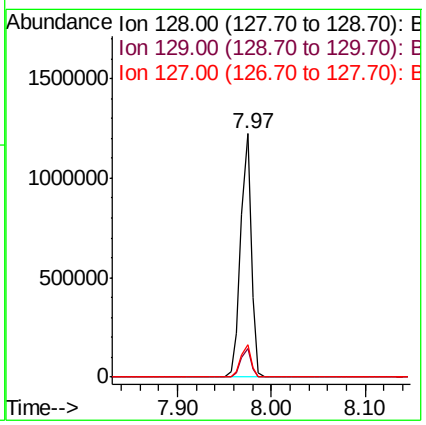
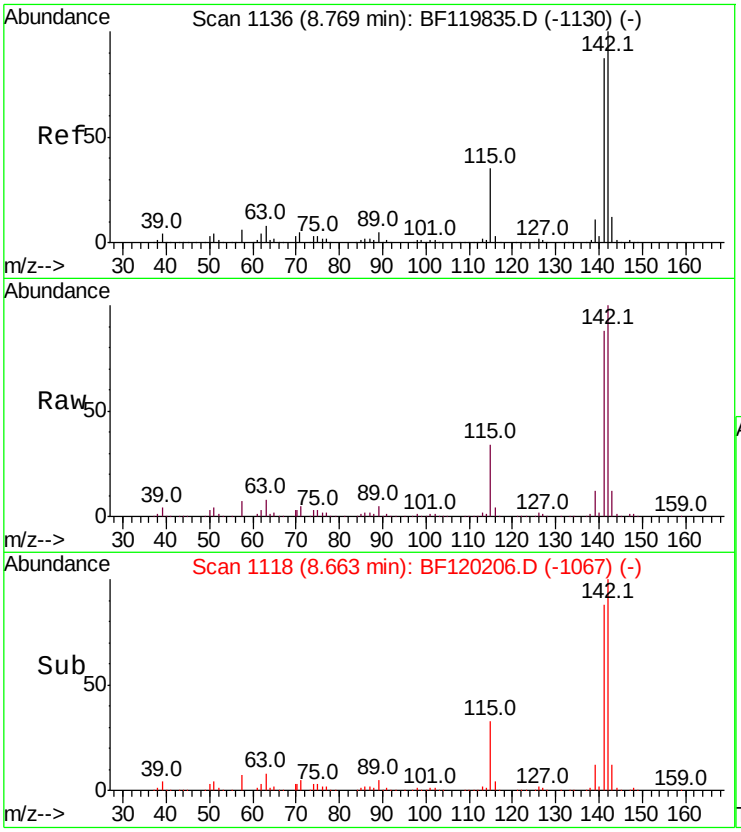


#31
Naphthalene
Concen: 37.935 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:128 Resp: 966019

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.5	14.3
127	13.1	11.3	16.9

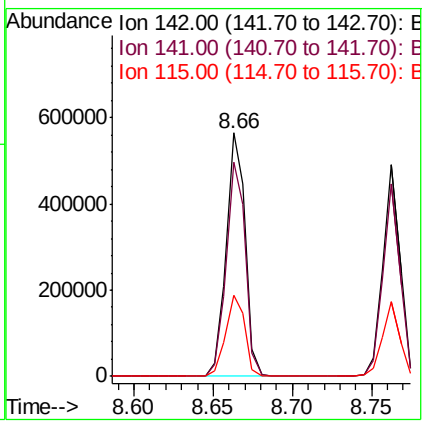




#37
2-Methylnaphthalene
Concen: 27.080 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:142 Resp: 467530

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.7	107.5
115	33.5	27.9	41.9



Instrument :
BNA_F
ClientSampleId :
TP-16A

Manual Integrations APPROVED
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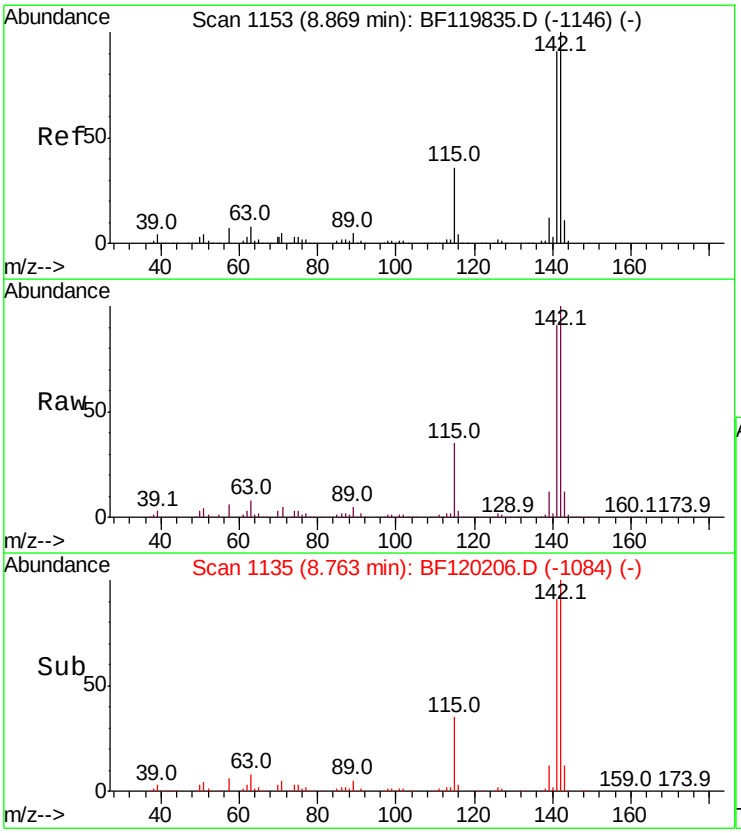
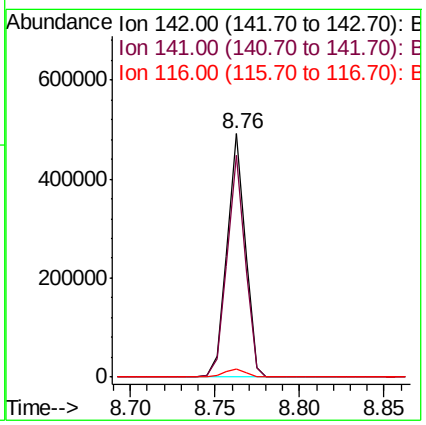
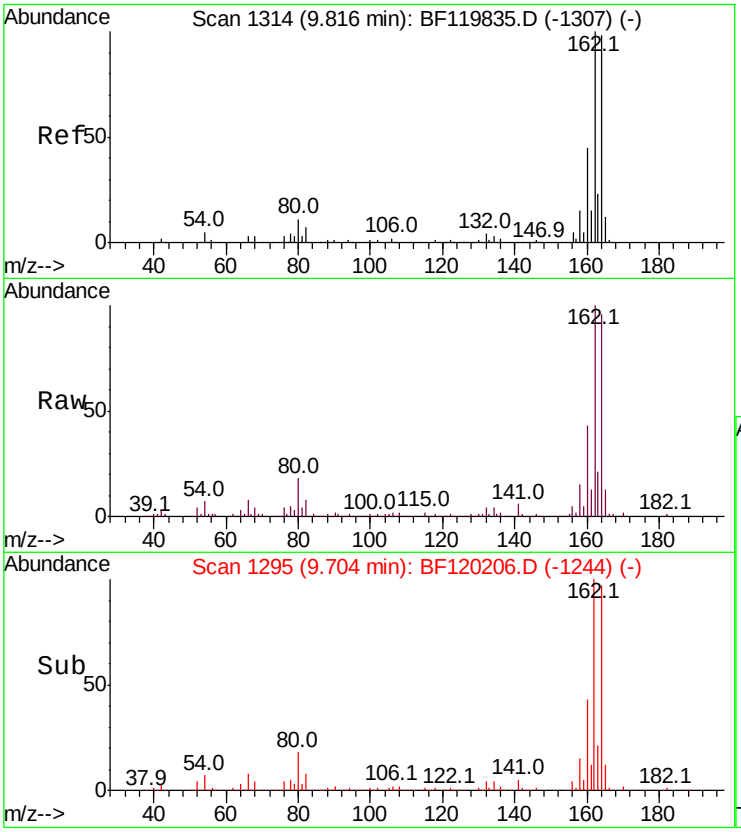


#38
1-Methylnaphthalene
Concen: 22.652 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:142 Resp: 368611

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.7	110.5
116	3.4	3.0	4.6

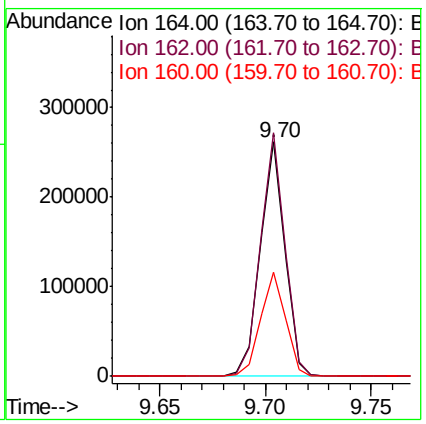




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:164 Resp: 214585

Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.6	121.0
160	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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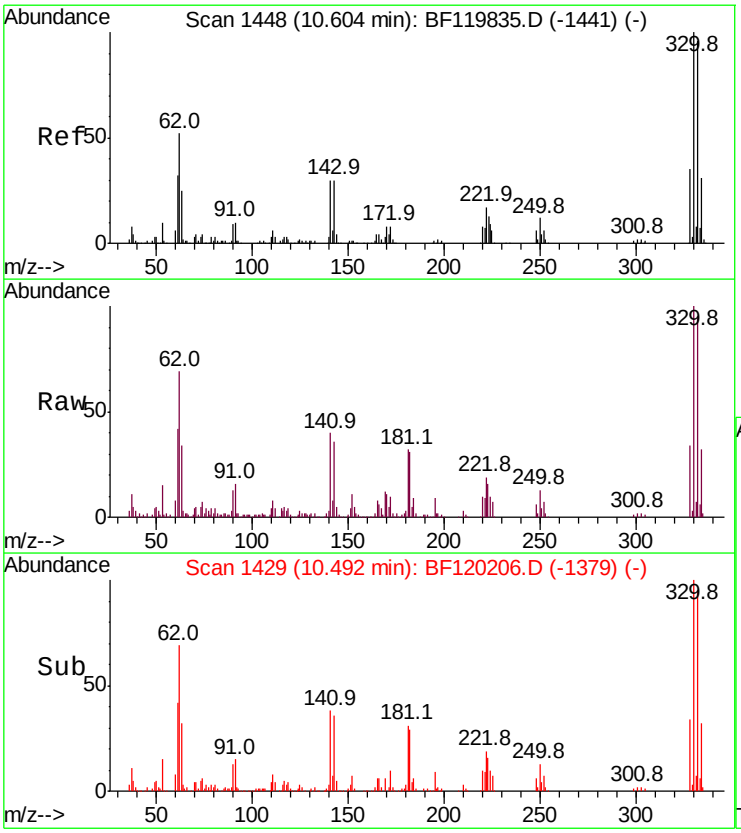
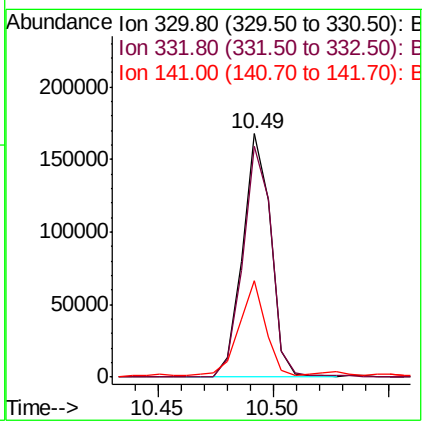
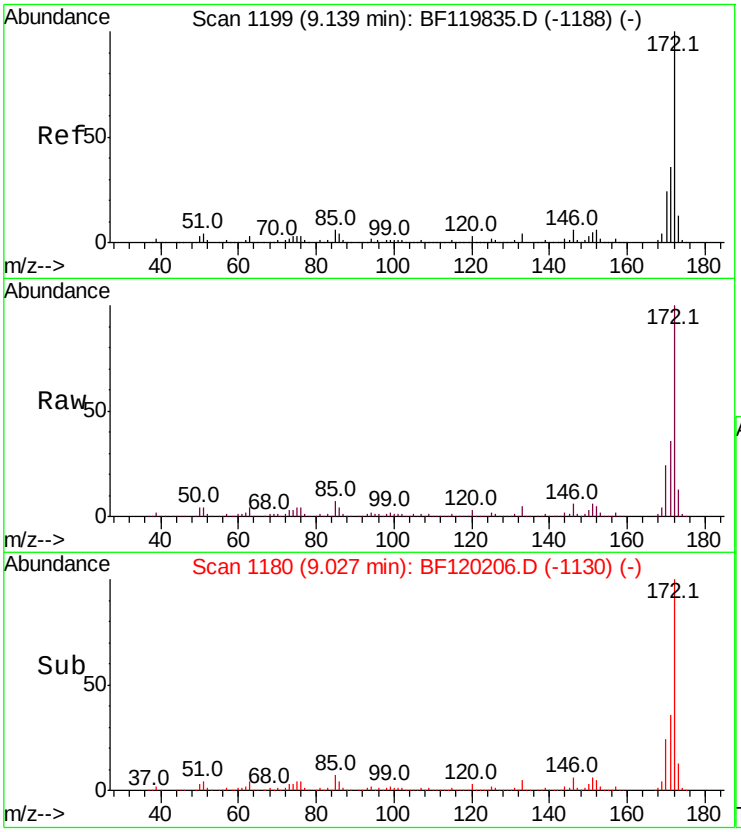


#42
2,4,6-Tribromophenol
Concen: 54.556 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:330 Resp: 143332

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.7	113.5
141	36.5	25.4	38.0

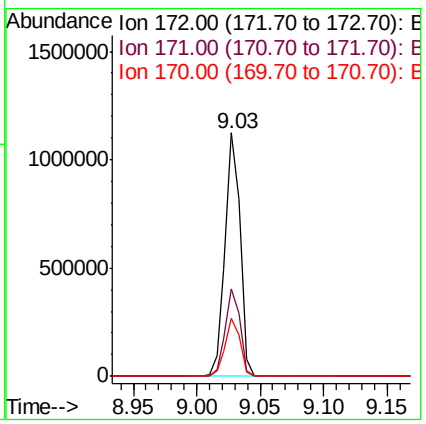




#45
2-Fluorobiphenyl
Concen: 61.421 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:172 Resp: 928313

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.7	20.2	30.2



Instrument :
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ClientSampleId :
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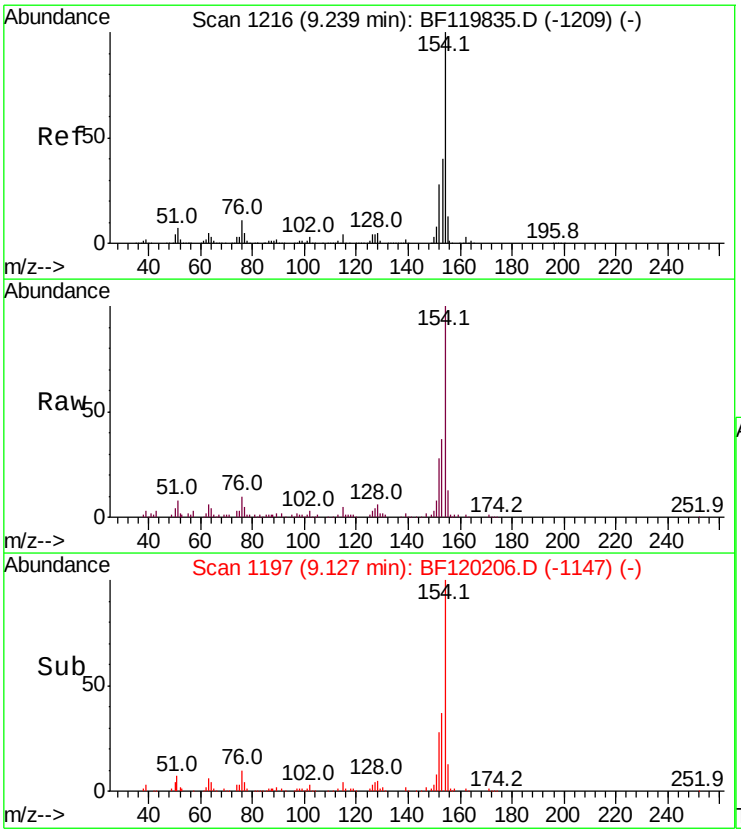
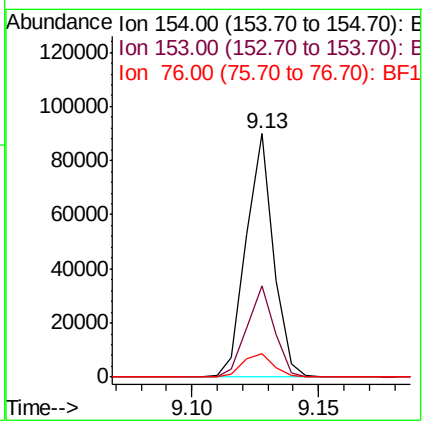
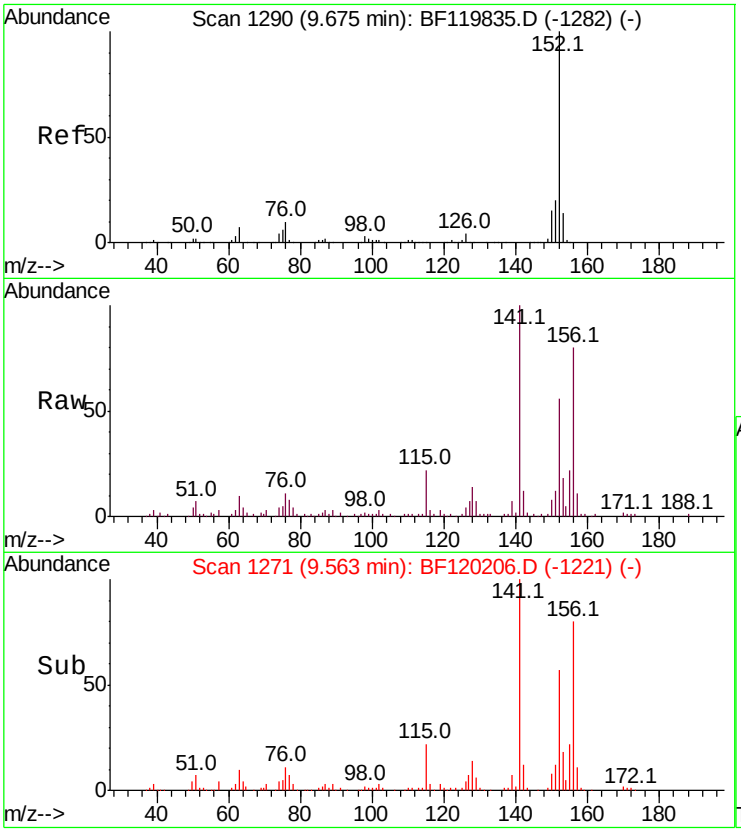


#46
1,1'-Biphenyl
Concen: 3.723 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:154 Resp: 67439

Ion	Ratio	Lower	Upper
154	100		
153	37.4	21.4	61.4
76	9.9	0.0	33.0

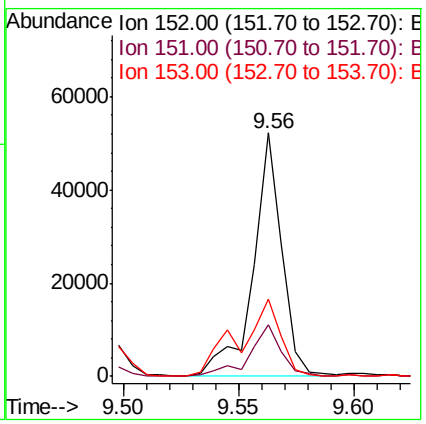




#49
Acenaphthylene
Concen: 2.142 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:152 Resp: 45452

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.2	25.8
153	31.9	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
TP-16A

Manual Integrations APPROVED
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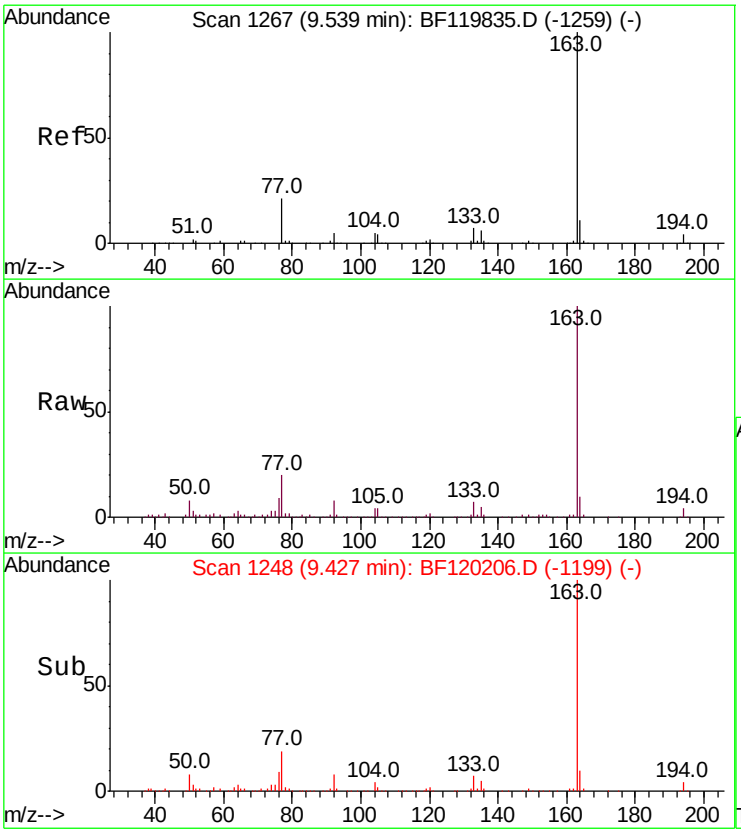
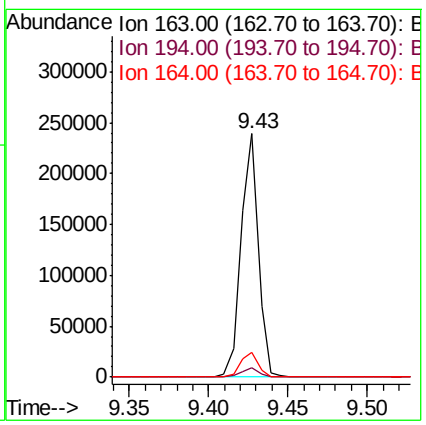
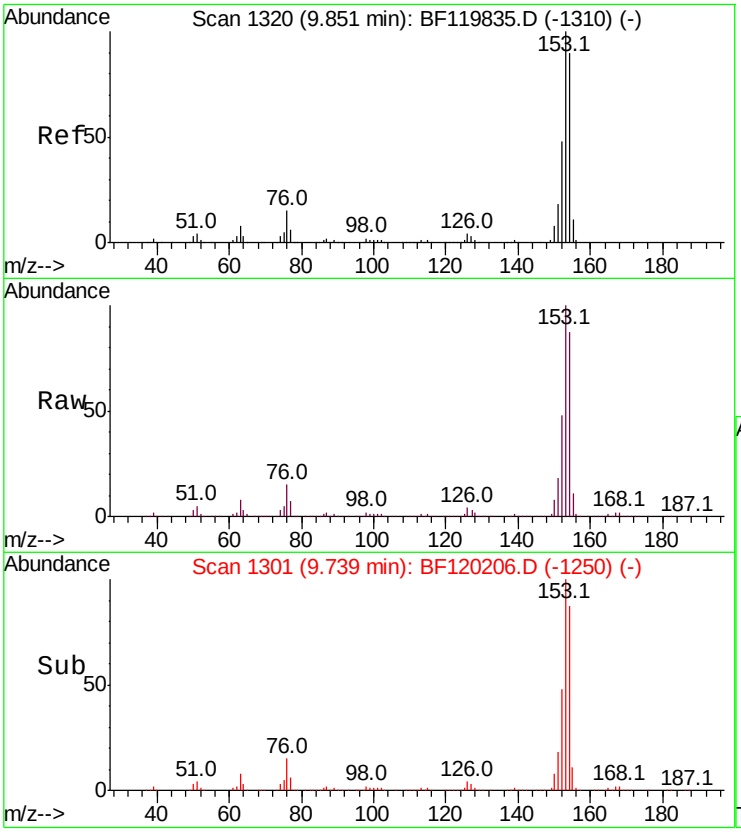


#50
Dimethylphthalate
Concen: 10.906 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:163 Resp: 181009

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.9	8.2	12.2

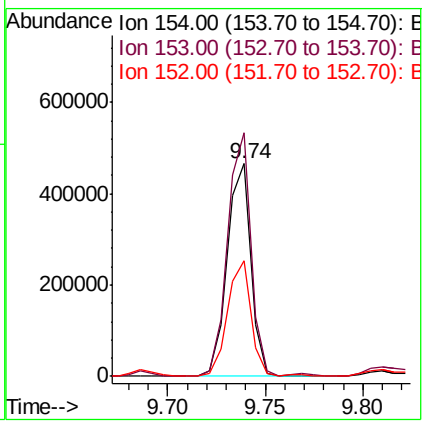




#52
Acenaphthene
Concen: 27.721 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:154 Resp: 392381

Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.1	132.1
152	54.6	43.0	64.4



Instrument :
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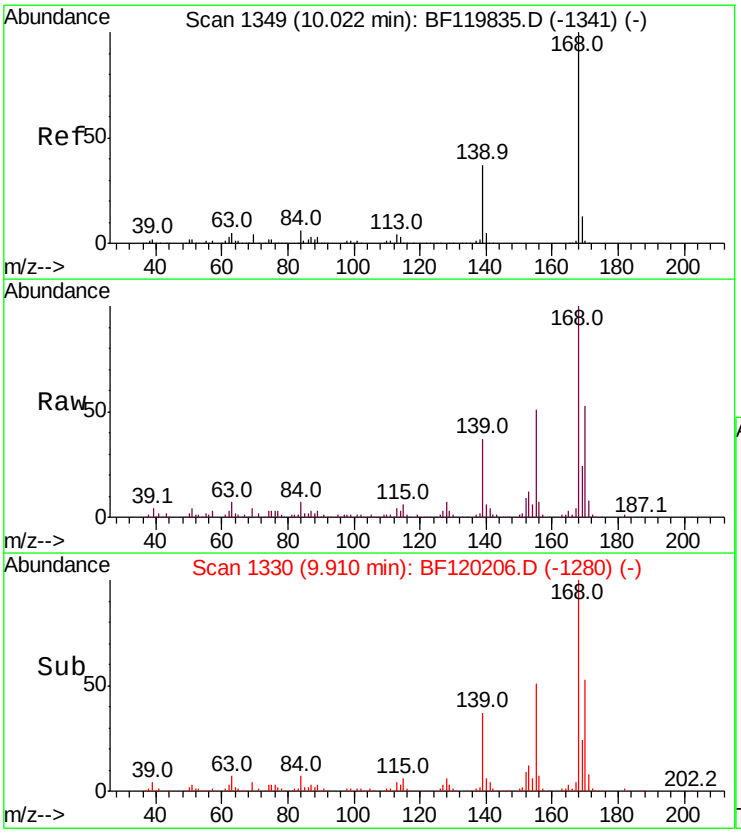
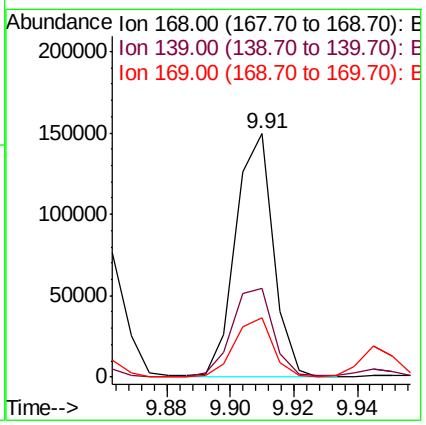
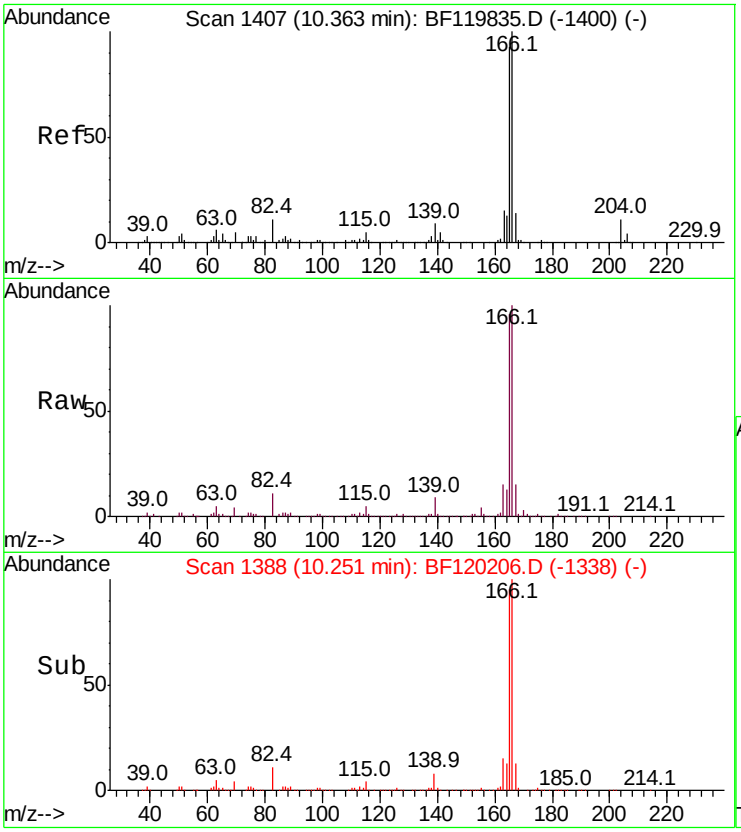


#55
Dibenzofuran
Concen: 6.298 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:168 Resp: 122339

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	24.3	11.0	16.6#

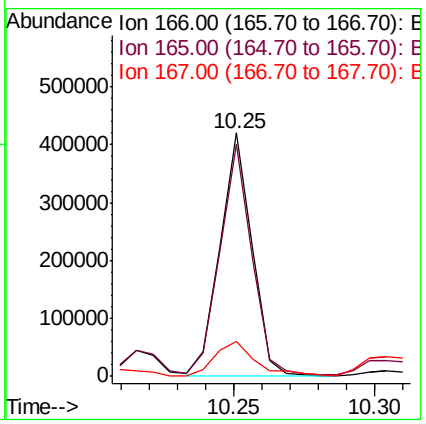




#58
Fluorene
Concen: 21.154 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:166 Resp: 328609

Ion	Ratio	Lower	Upper
166	100		
165	95.5	75.4	113.2
167	14.6	11.2	16.8



Instrument :
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ClientSampleId :
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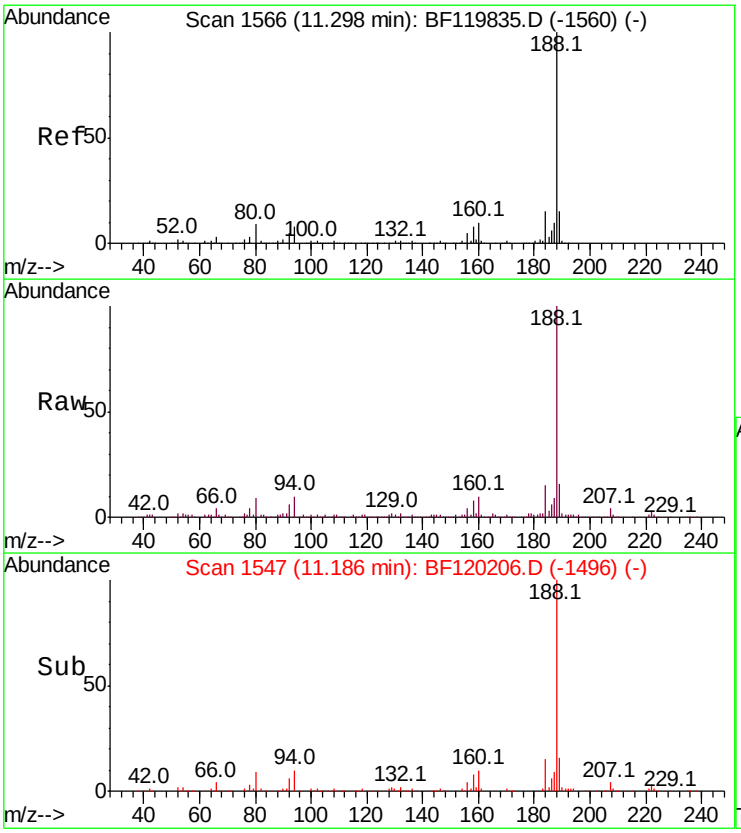
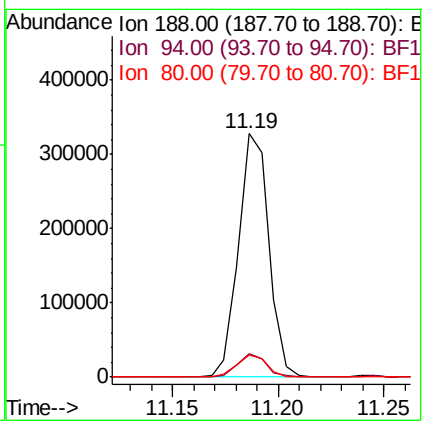
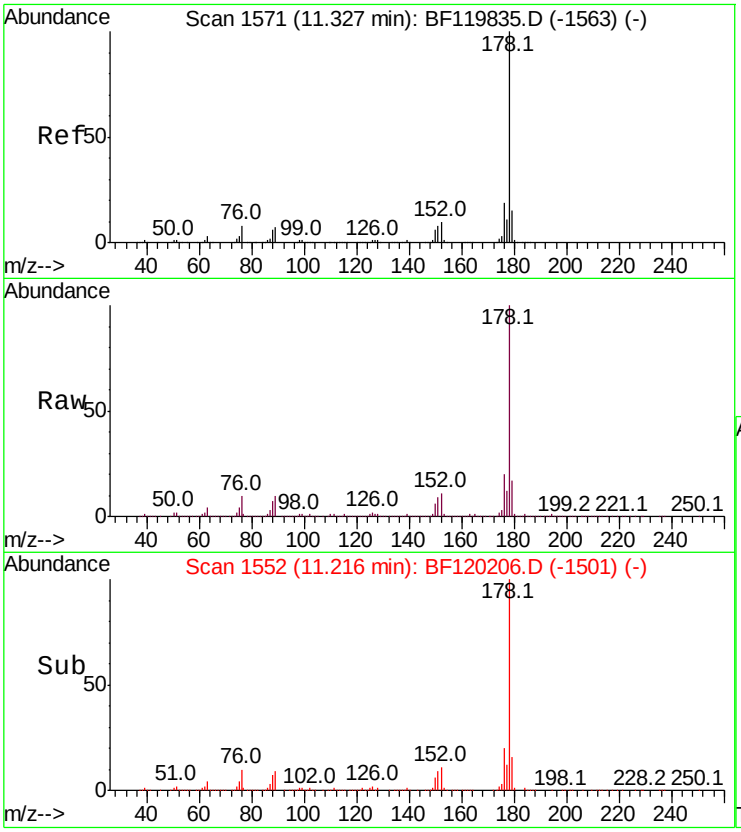


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:188 Resp: 325689

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	9.4	9.0	13.4

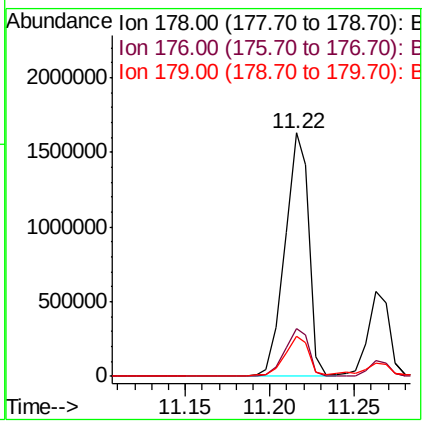




#71
Phenanthrene
Concen: 92.851 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:178 Resp: 1609436

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	16.5	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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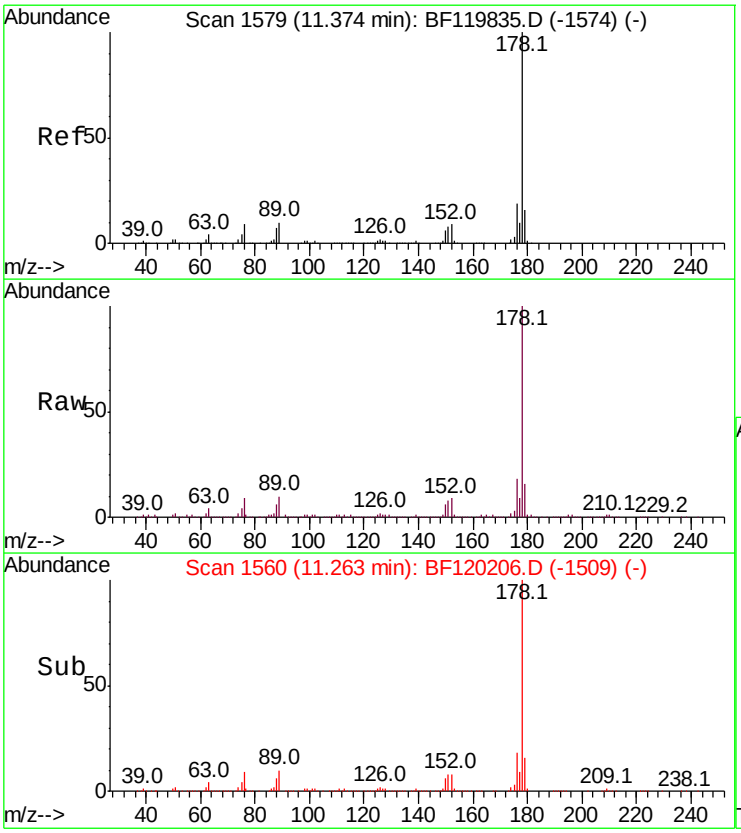
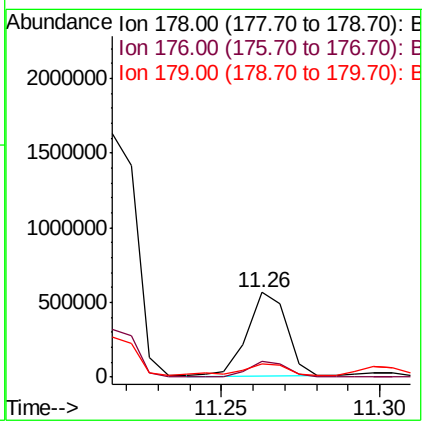
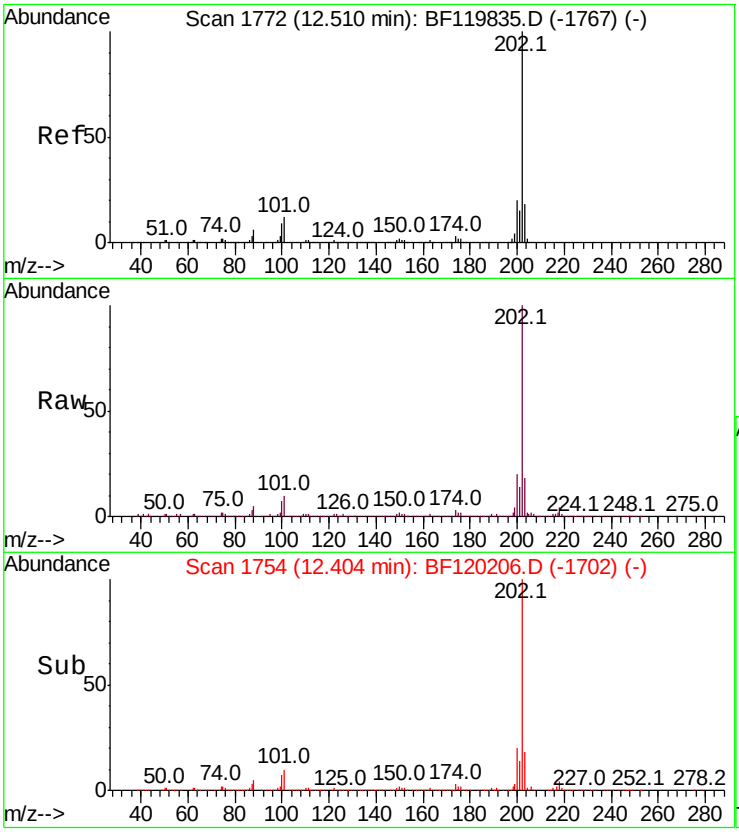


#72
Anthracene
Concen: 27.349 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:178 Resp: 484270

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	16.3	13.0	19.4

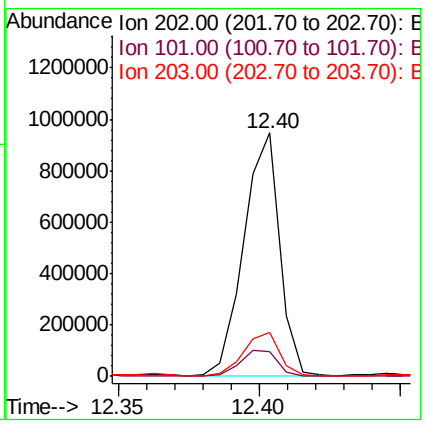




#75
Fluoranthene
Concen: 44.248 ng
RT: 12.40 min Scan# 1754
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:202 Resp: 827552

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.2
203	18.1	0.0	38.8



Instrument :
BNA_F
ClientSampleId :
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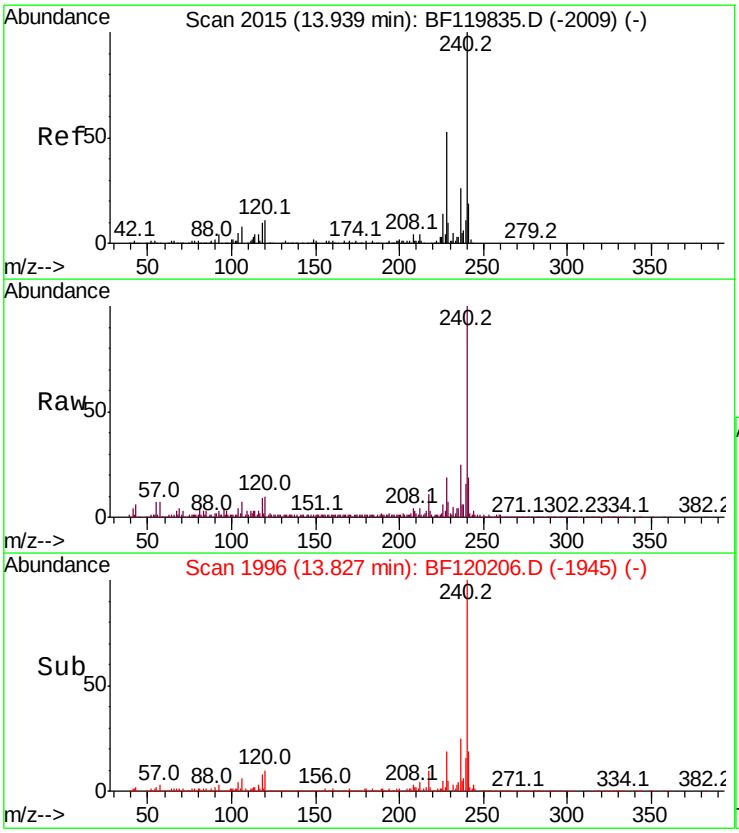
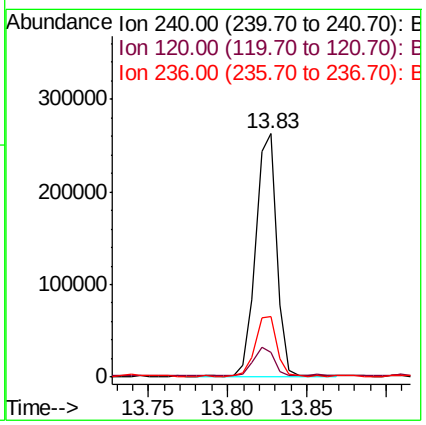
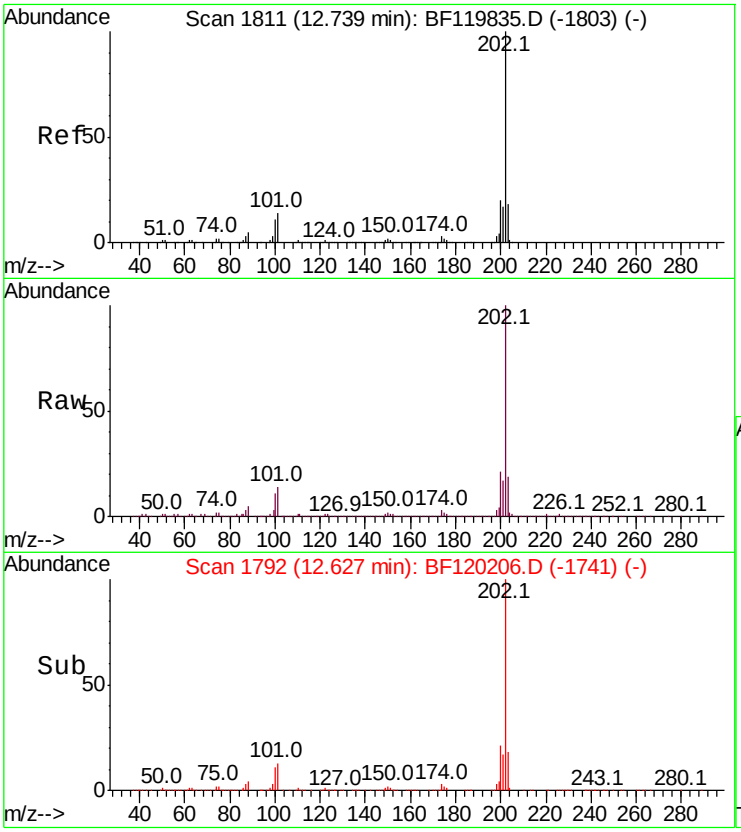


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:240 Resp: 243583

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.6	15.8#
236	25.1	20.2	30.2

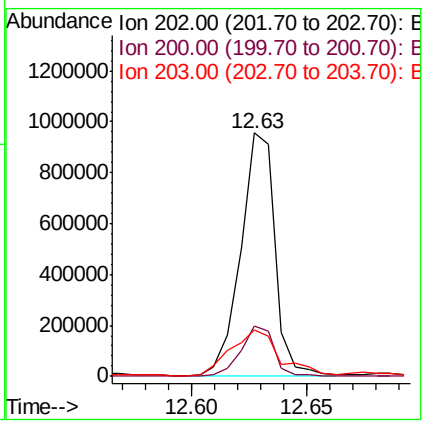




#78
Pyrene
Concen: 48.159 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:202 Resp: 988911

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	19.0	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
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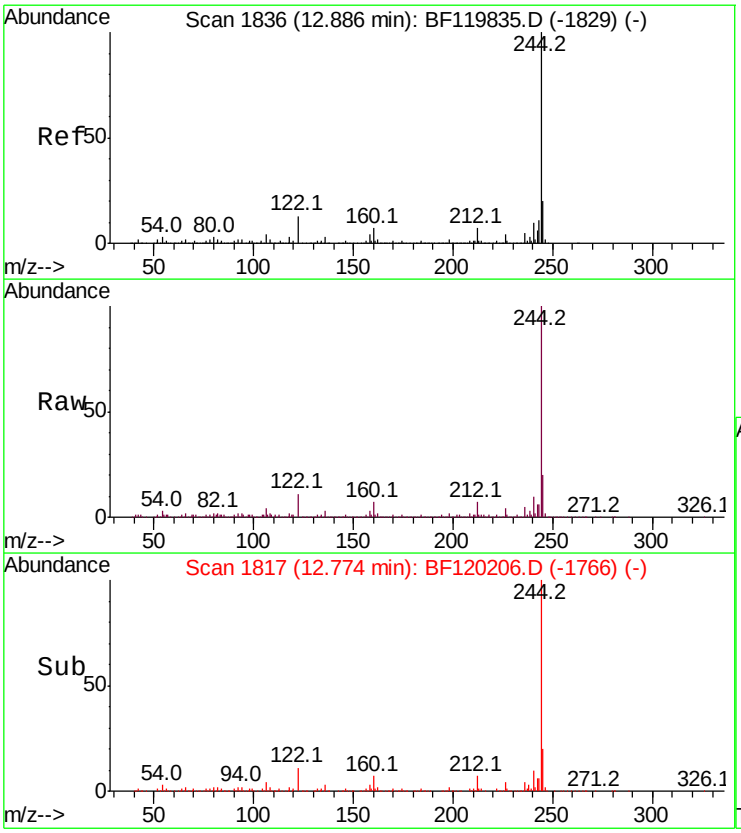
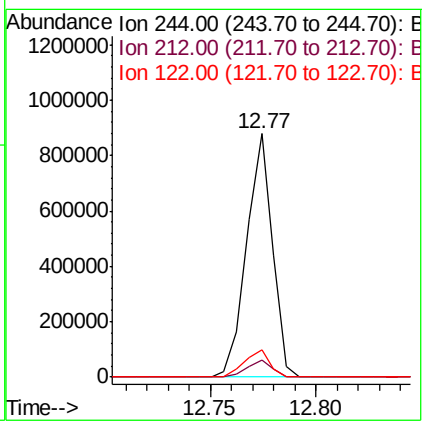
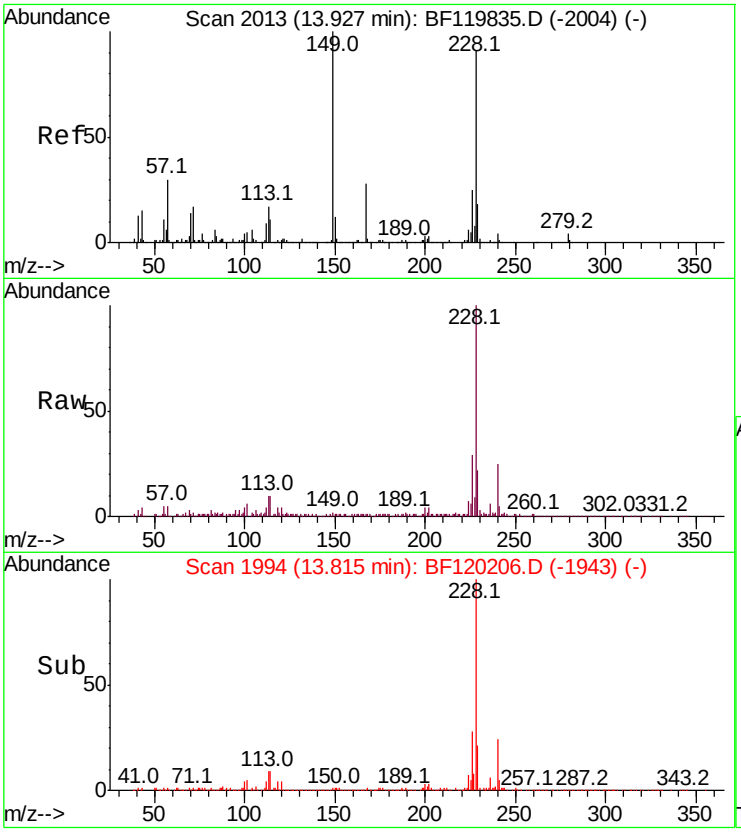


#79
Terphenyl-d14
Concen: 51.611 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:244 Resp: 747123

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.4	10.3	15.5

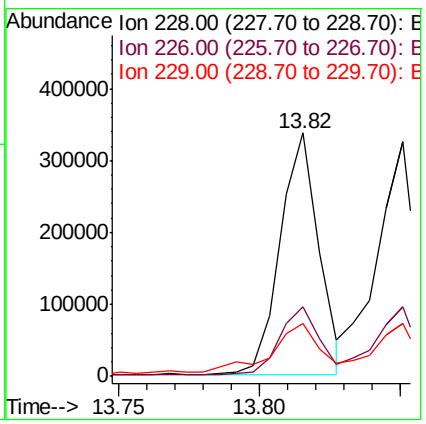




#81
Benzo(a)anthracene
Concen: 19.849 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:228 Resp: 318072

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	21.7	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
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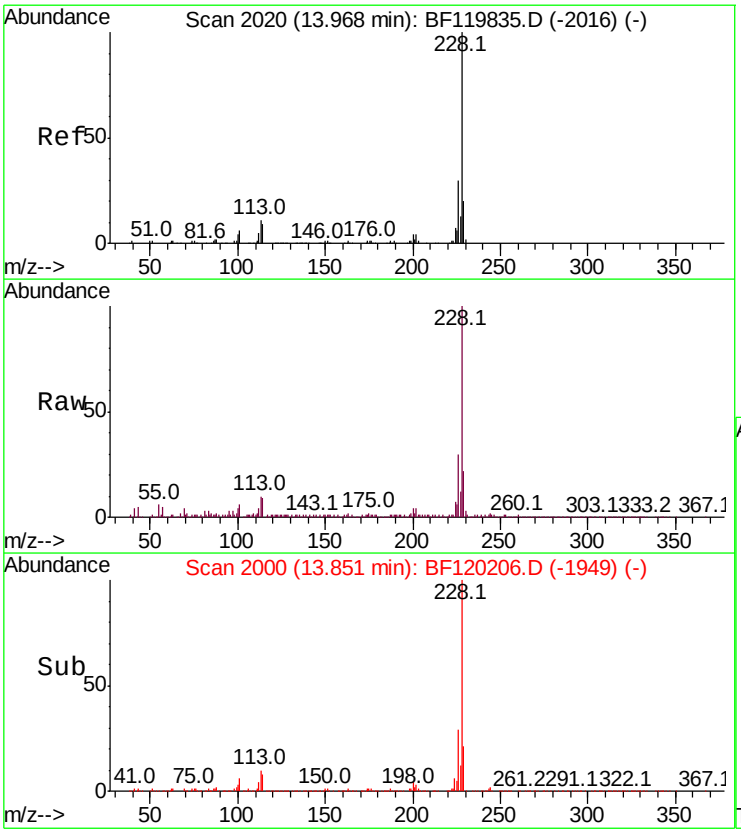
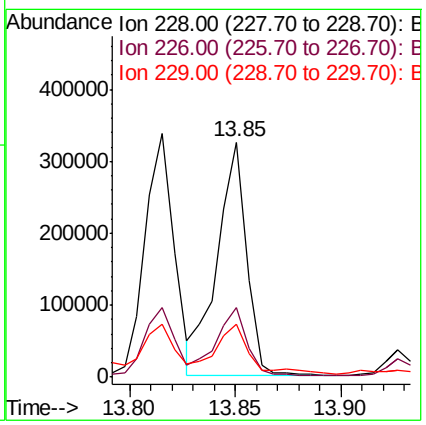
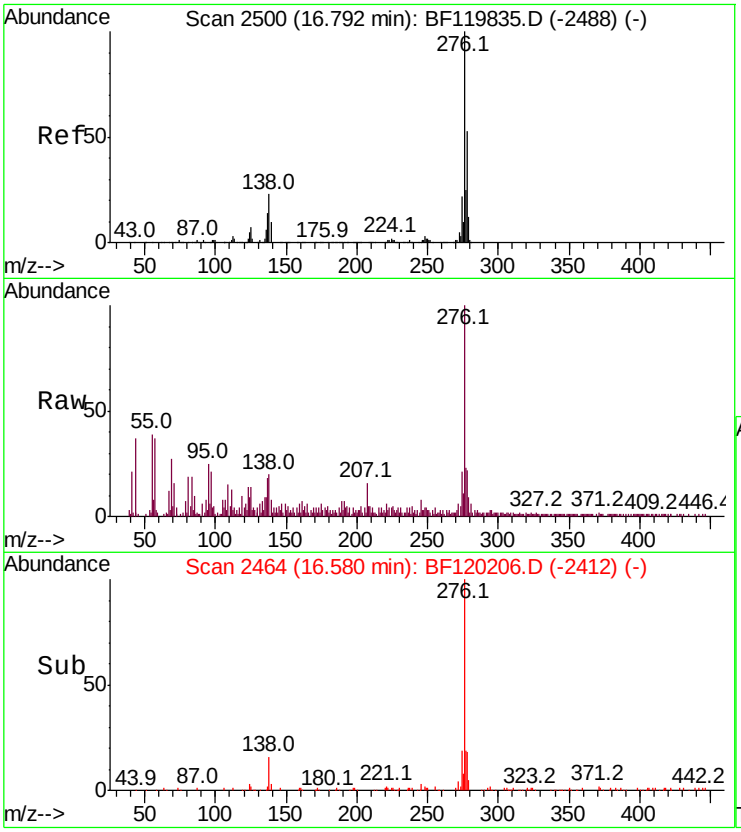


#83
Chrysene
Concen: 19.125 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:228 Resp: 311403

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.0
229	22.4	16.6	24.8





#86
Indeno(1,2,3-cd)pyrene
Concen: 5.477 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:276 Resp: 78608

Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.6	29.4#
277	24.8	20.0	30.0

Instrument :
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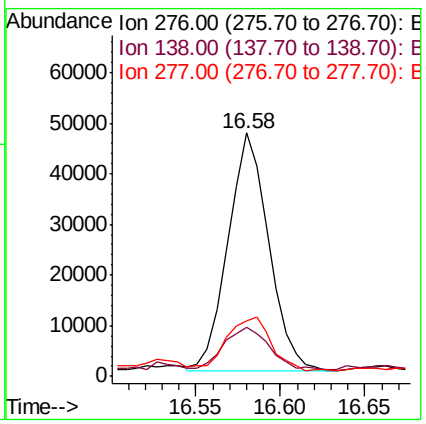
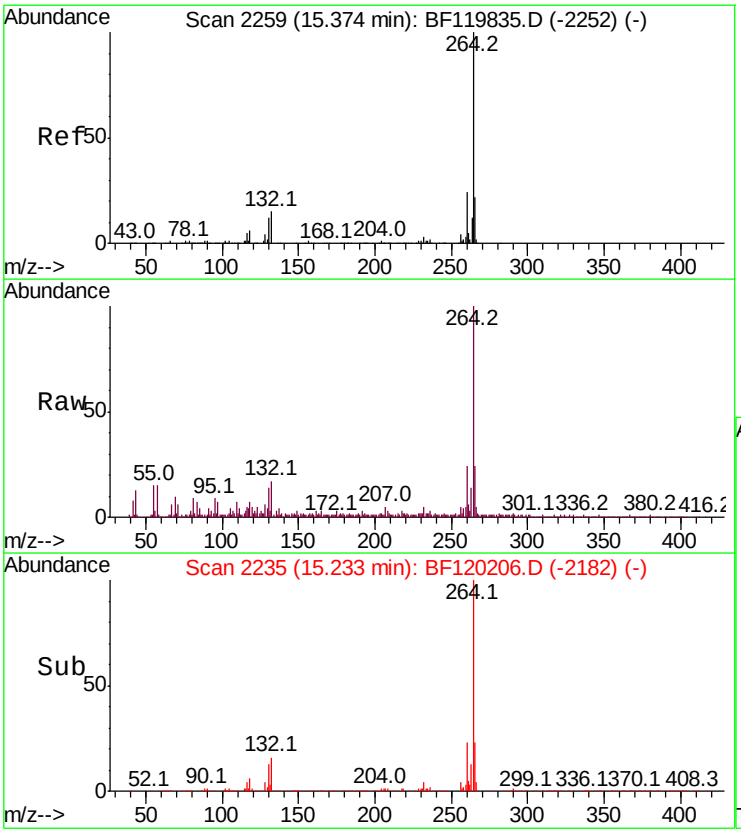
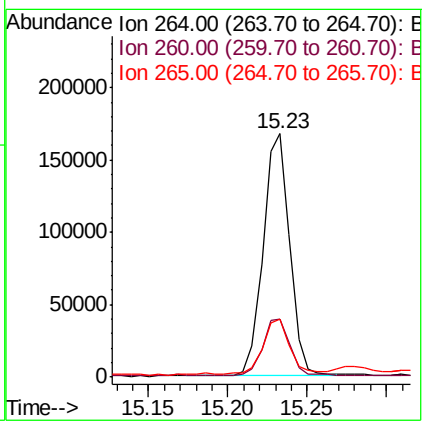


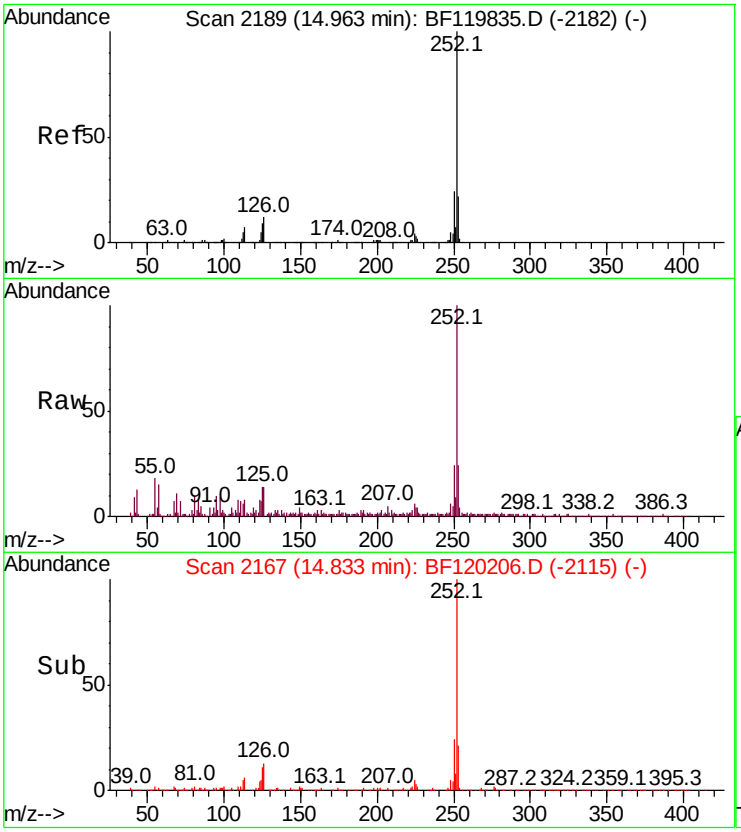


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:264 Resp: 195808

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	23.7	17.7	26.5





#88
Benzo(b)fluoranthene
Concen: 16.912 ng m
RT: 14.83 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:252 Resp: 238215

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	14.3	7.9	11.9#

Instrument :
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ClientSampleId :
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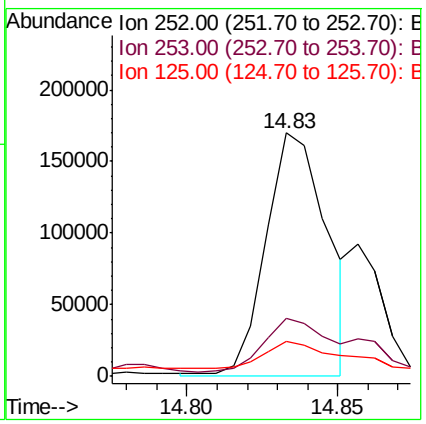
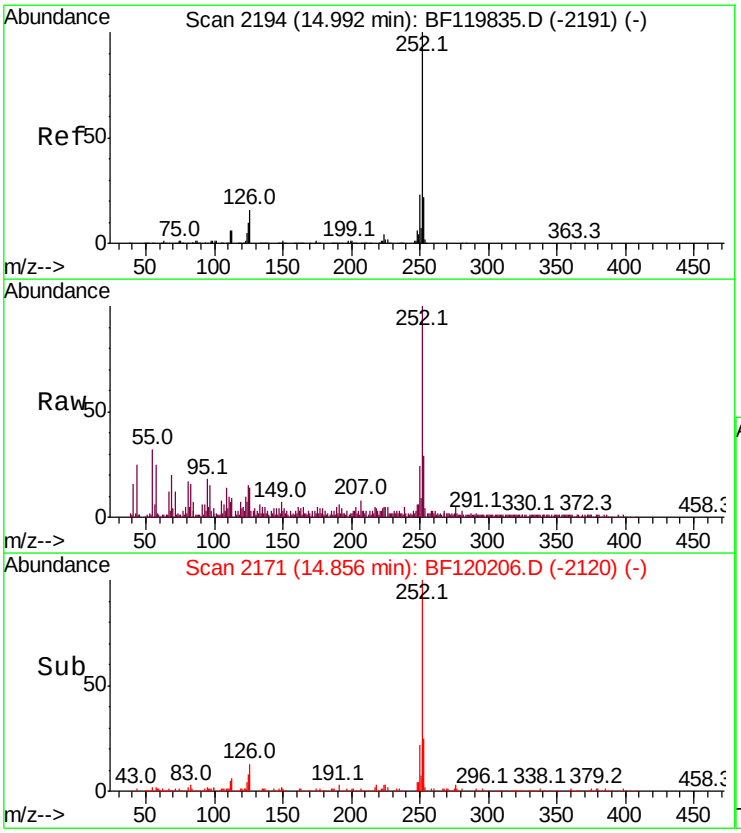
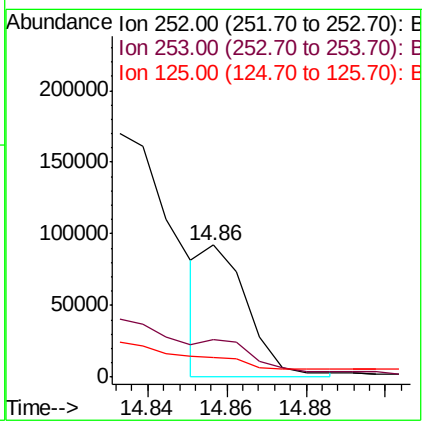


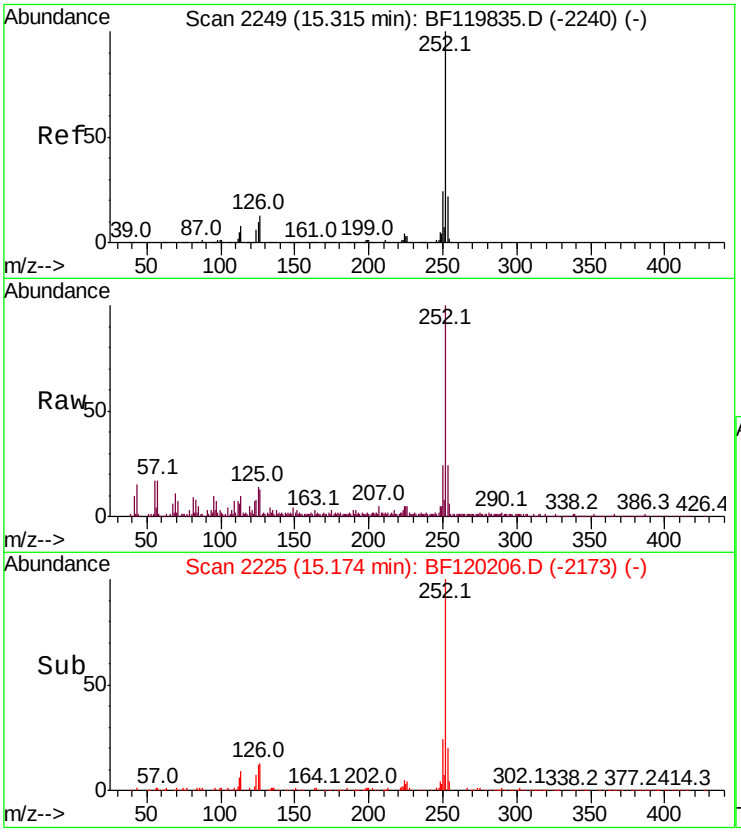


#89
Benzo(k)fluoranthene
Concen: 5.984 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:252 Resp: 72729

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.8	26.6#
125	14.6	8.4	12.6#

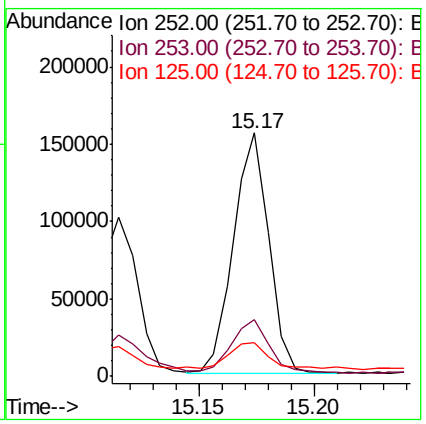




#90
Benzo(a)pyrene
Concen: 14.149 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:252 Resp: 167576

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	13.6	9.4	14.2



Instrument :
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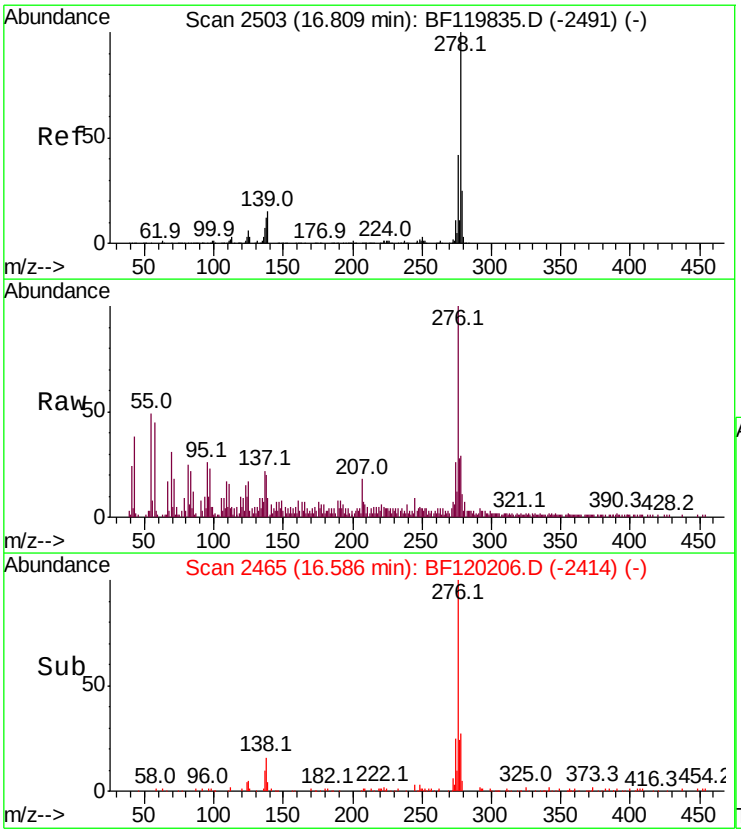
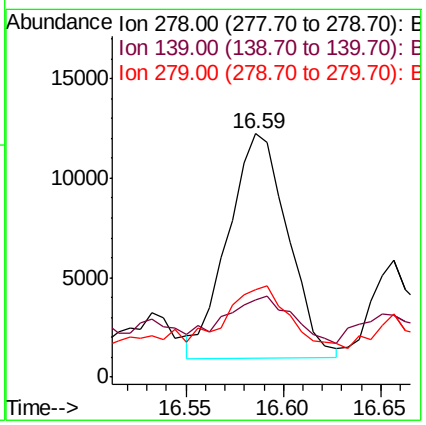
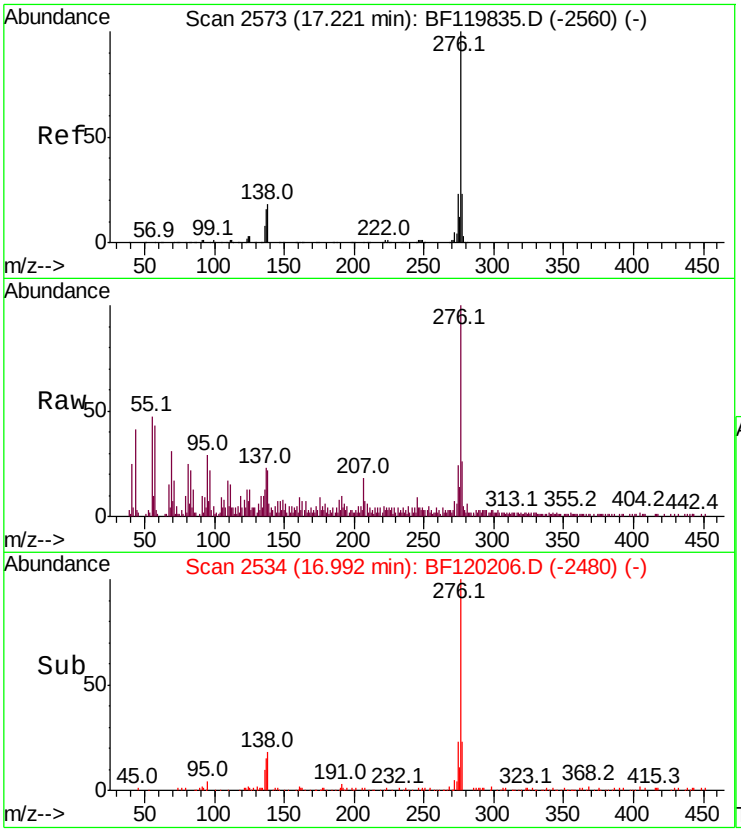


#91
Dibenzo(a,h)anthracene
Concen: 2.283 ng
RT: 16.59 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:278 Resp: 23952

Ion	Ratio	Lower	Upper
278	100		
139	31.7	12.6	19.0#
279	36.0	19.0	28.6#

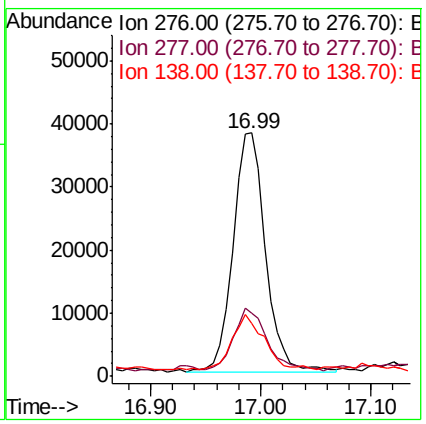




#92
Benzo(g,h,i)perylene
Concen: 7.552 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF120206.D
Acq: 24 Apr 2020 17:03

Tgt Ion:276 Resp: 78202

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.4	27.6
138	21.7	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
TP-16A

Manual Integrations APPROVED
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