Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114880.D
Acq On : 6 Jun 2019 23:21
Operator : HP/JU
Sample : K3218-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-200035

Manual Integrations APPROVED
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6/7/2019 2:11:55 PM

Quant Time: Jun 07 03:56:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 04 16:57:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	482440	20.00	ng		0.00
21) Naphthalene-d8	7.95	136	1768081	20.00	ng		0.00
39) Acenaphthene-d10	9.70	164	816412	20.00	ng		0.00
64) Phenanthrene-d10	11.17	188	1404212	20.00	ng		0.00
76) Chrysene-d12	13.79	240	793410	20.00	ng		0.00
87) Perylene-d12	15.17	264	859795	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	3344880	121.15	ng		0.03
7) Phenol-d6	6.32	99	4037389	120.18	ng		0.02
23) Nitrobenzene-d5	7.23	82	2699391	93.98	ng		0.00
42) 2,4,6-Tribromophenol	10.49	330	1032484	117.35	ng		0.00
45) 2-Fluorobiphenyl	9.03	172	3981815	91.36	ng		0.00
79) Terphenyl-d14	12.76	244	3430663	84.09	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.97	128	161969	2.035	ng		95
37) 2-Methylnaphthalene	8.66	142	124307	2.251	ng		99
38) 1-Methylnaphthalene	8.76	142	153633	2.934	ng		98
50) Dimethylphthalate	9.42	163	904060	15.162	ng		99
52) Acenaphthene	9.73	154	180557	3.697	ng		97
55) Dibenzofuran	9.90	168	153976	2.267	ng	#	91
71) Phenanthrene	11.20	178	2387047	35.609	ng		99
72) Anthracene	11.25	178	569905	8.078	ng		94
73) Carbazole	11.40	167	226248	3.741	ng		93
75) Fluoranthene	12.37	202	2021974	28.980	ng		97
78) Pyrene	12.60	202	1992318	28.946	ng		98
81) Benzo(a)anthracene	13.78	228	894590	14.632	ng		99
83) Chrysene	13.82	228	816759	13.732	ng		96
86) Indeno(1,2,3-cd)pyrene	16.48	276	339885	5.008	ng		97
88) Benzo(b)fluoranthene	14.79	252	814824m	14.886	ng		
89) Benzo(k)fluoranthene	14.81	252	268272m	5.771	ng		
90) Benzo(a)pyrene	15.12	252	701353	14.804	ng		99
91) Dibenzo(a,h)anthracene	16.49	278	102043	2.274	ng		93
92) Benzo(g,h,i)perylene	16.87	276	327986	7.270	ng		99

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

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Manual Integrations APPROVED
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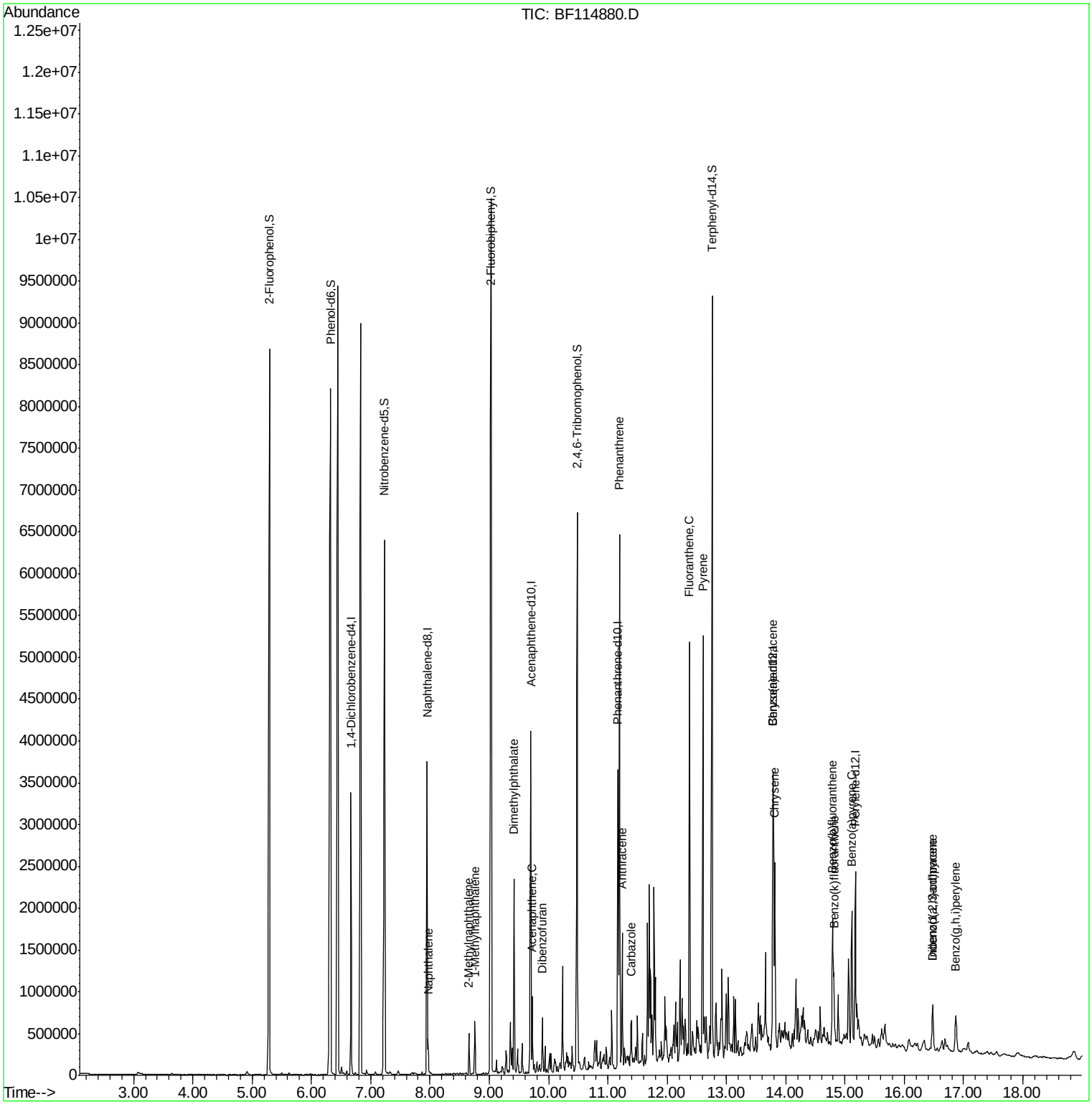
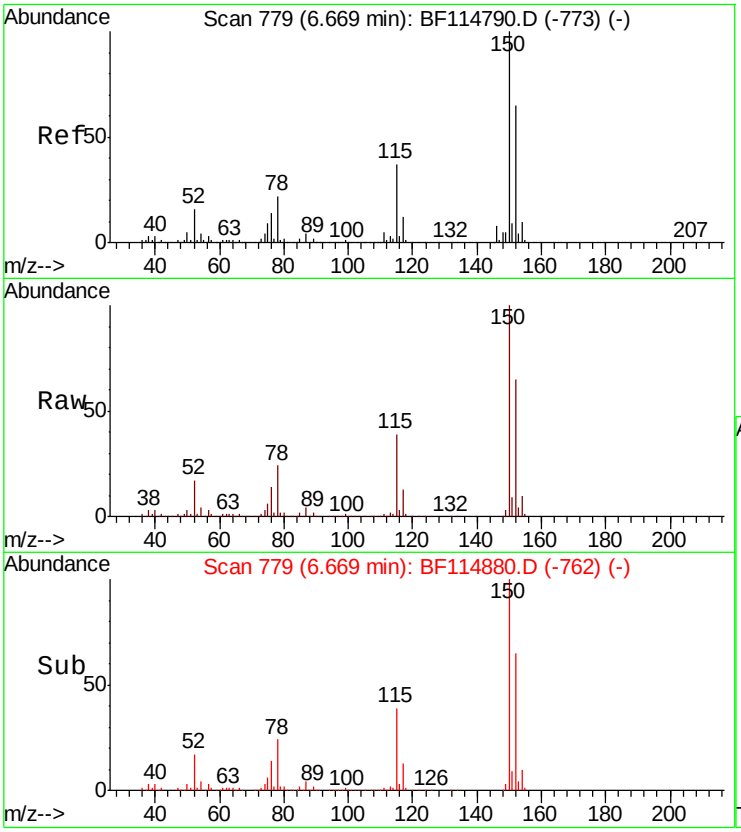
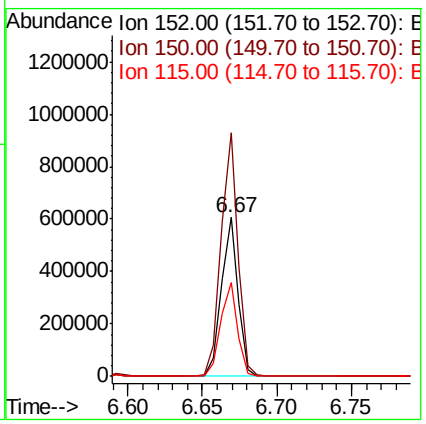




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:152 Resp: 482440

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.0	186.0
115	59.3	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
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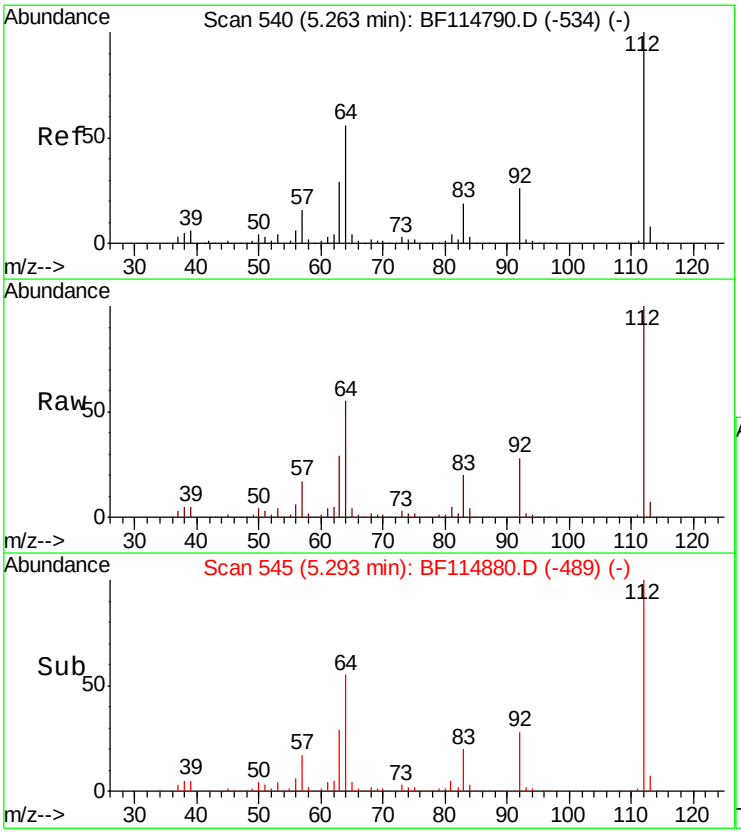
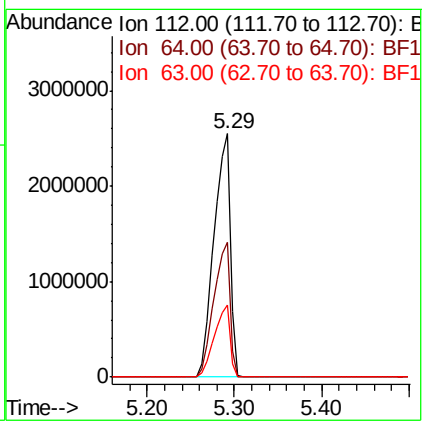
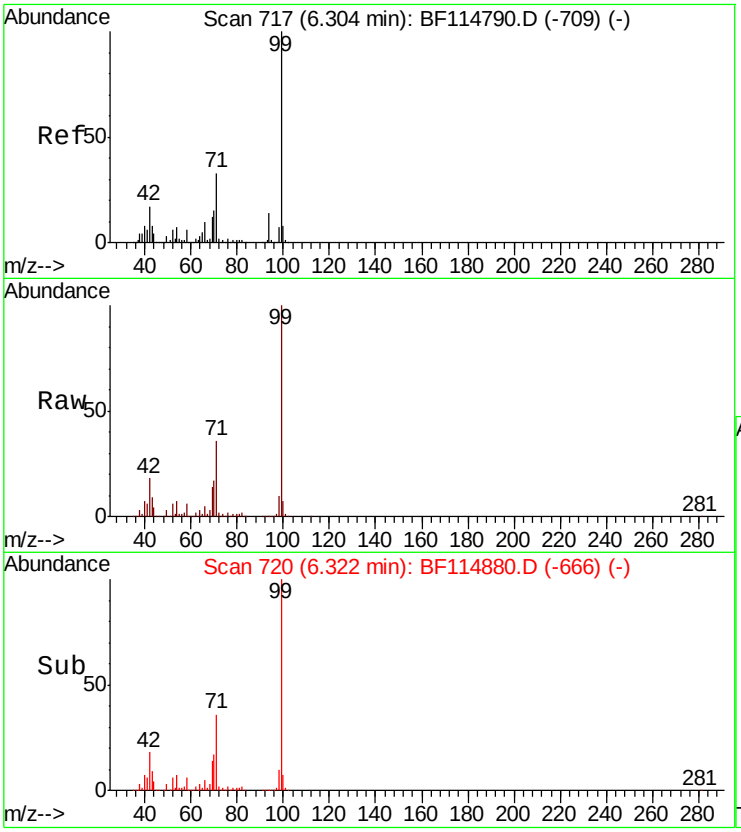


#5
2-Fluorophenol
Concen: 121.148 ng
RT: 5.29 min Scan# 545
Delta R.T. 0.03 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:112 Resp: 3344880

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.6	66.8
63	29.4	23.0	34.4

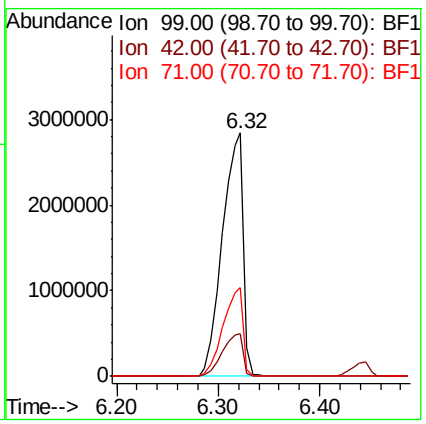




#7
Phenol-d6
Concen: 120.176 ng
RT: 6.32 min Scan# 720
Delta R.T. 0.02 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion: 99 Resp: 4037389

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.3	19.9
71	36.4	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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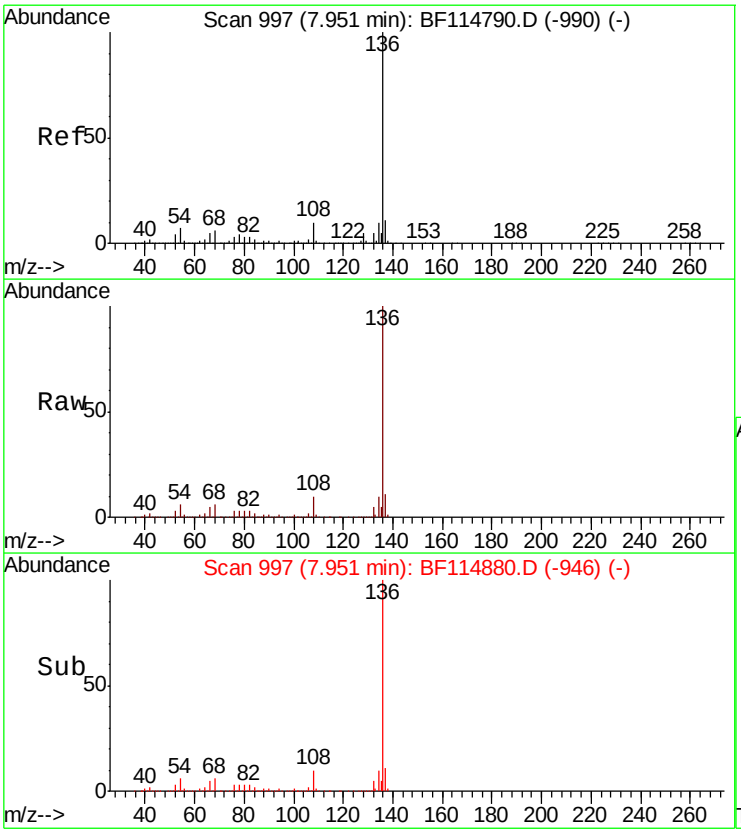
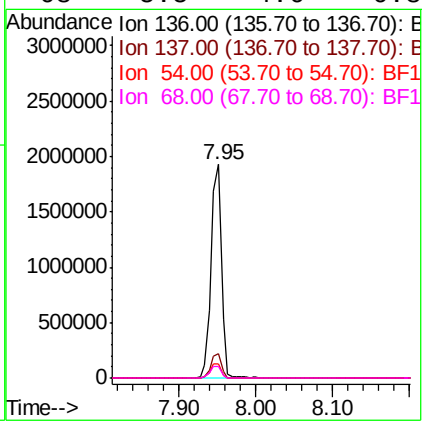
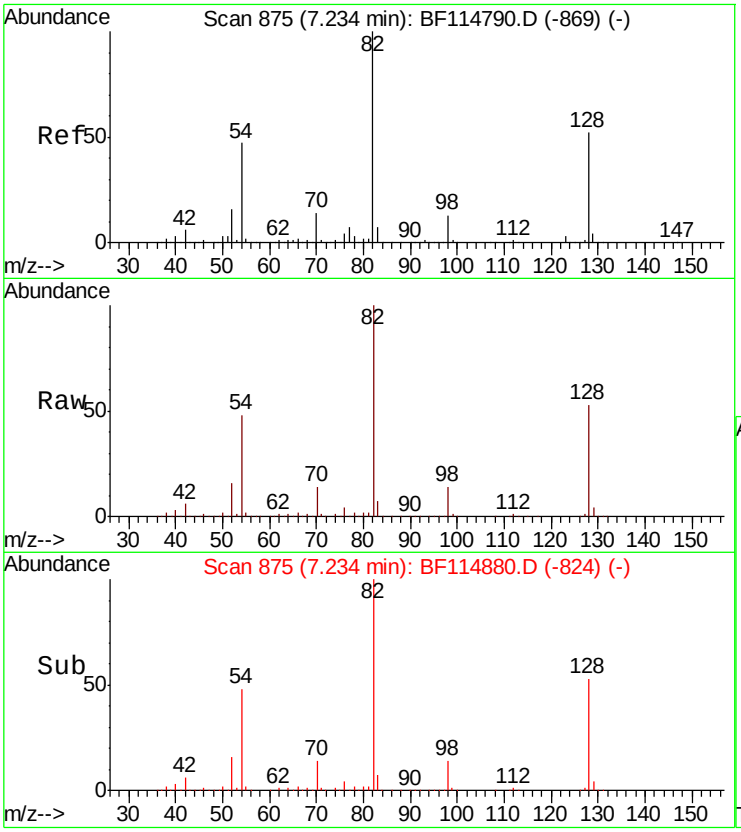


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:136 Resp: 1768081

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.3	5.4	8.0
68	5.5	4.6	6.8

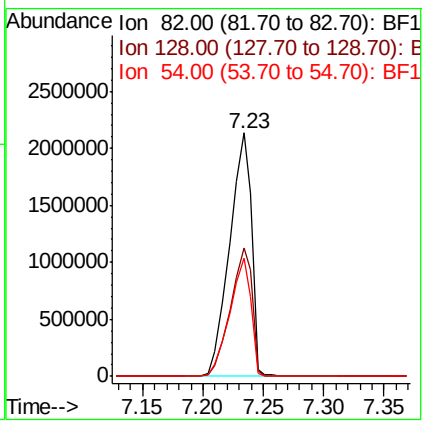




#23
Nitrobenzene-d5
Concen: 93.983 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion: 82 Resp: 2699391

Ion	Ratio	Lower	Upper
82	100		
128	52.8	41.8	62.6
54	48.4	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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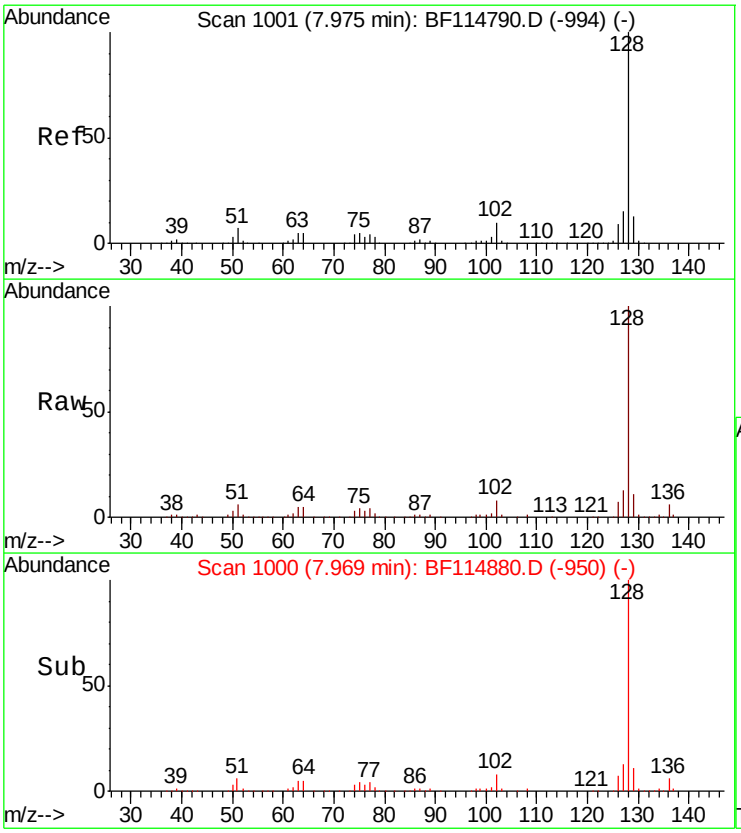
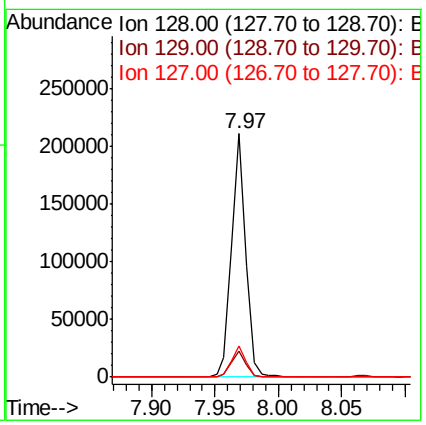
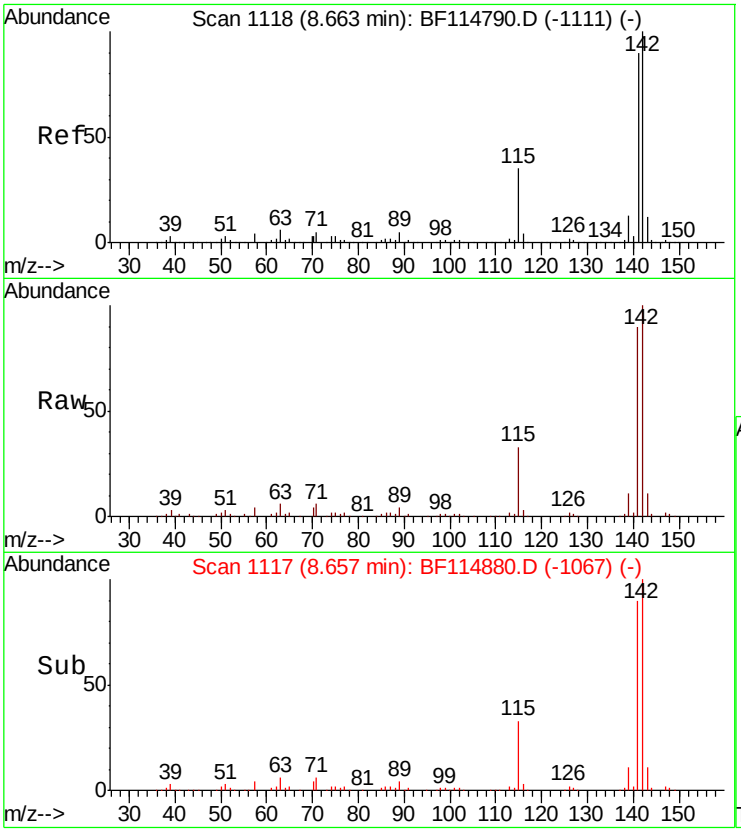


#31
Naphthalene
Concen: 2.035 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:128 Resp: 161969

Ion	Ratio	Lower	Upper
128	100		
129	10.8	10.0	15.0
127	12.9	12.2	18.2

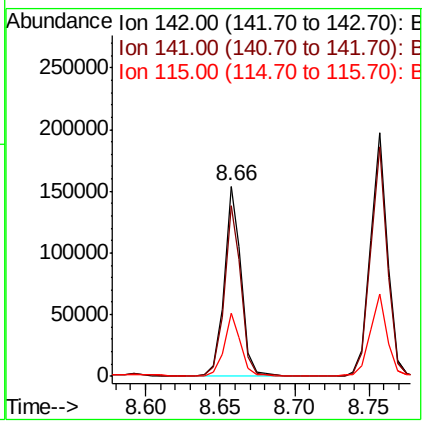




#37
2-Methylnaphthalene
Concen: 2.251 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:142 Resp: 124307

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	33.3	28.2	42.4



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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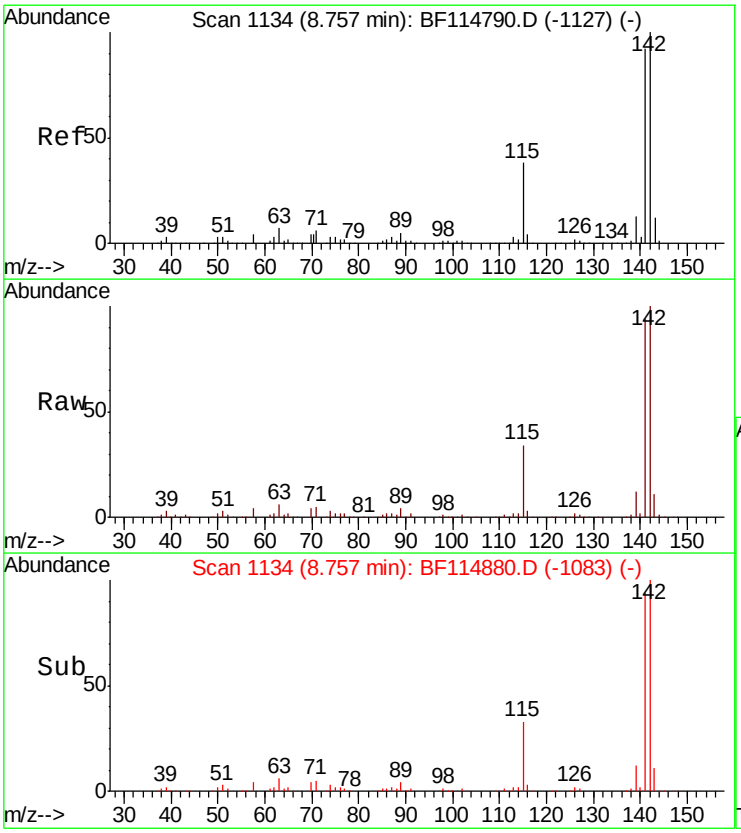
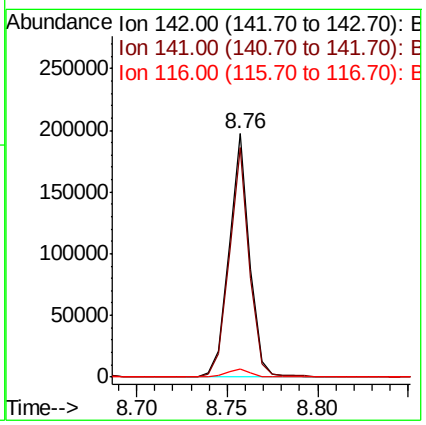
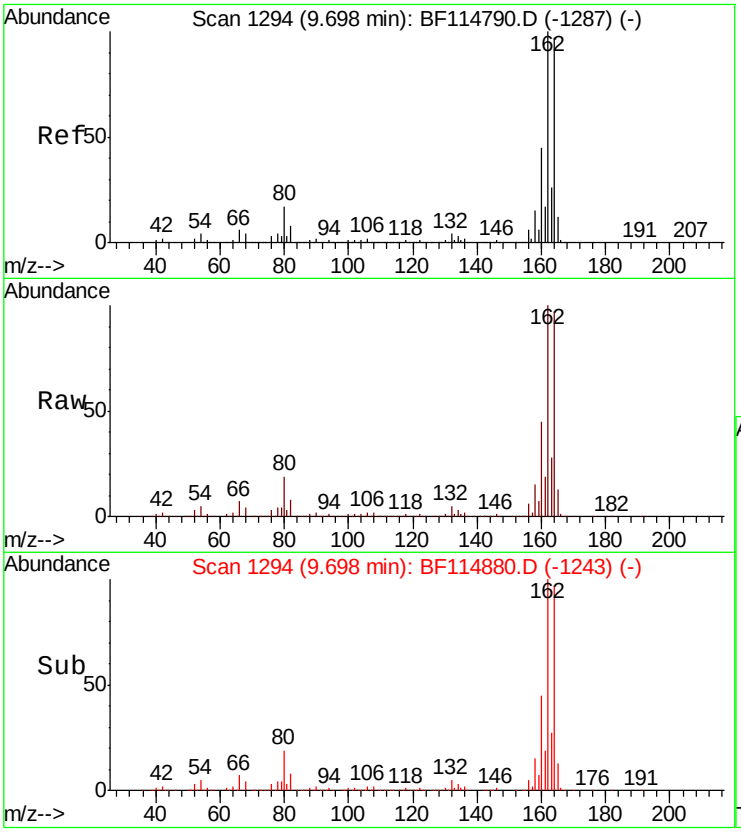


#38
1-Methylnaphthalene
Concen: 2.934 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:142 Resp: 153633

Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.8	110.6
116	3.4	3.3	4.9

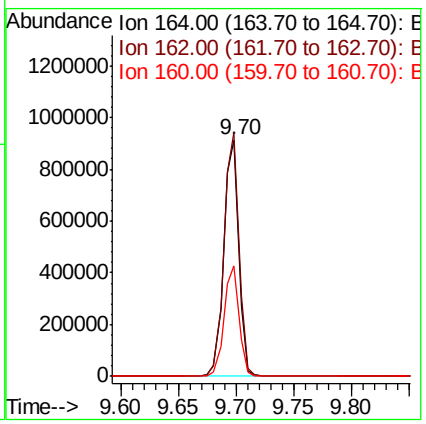




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:164 Resp: 816412

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.3	123.5
160	46.7	36.7	55.1



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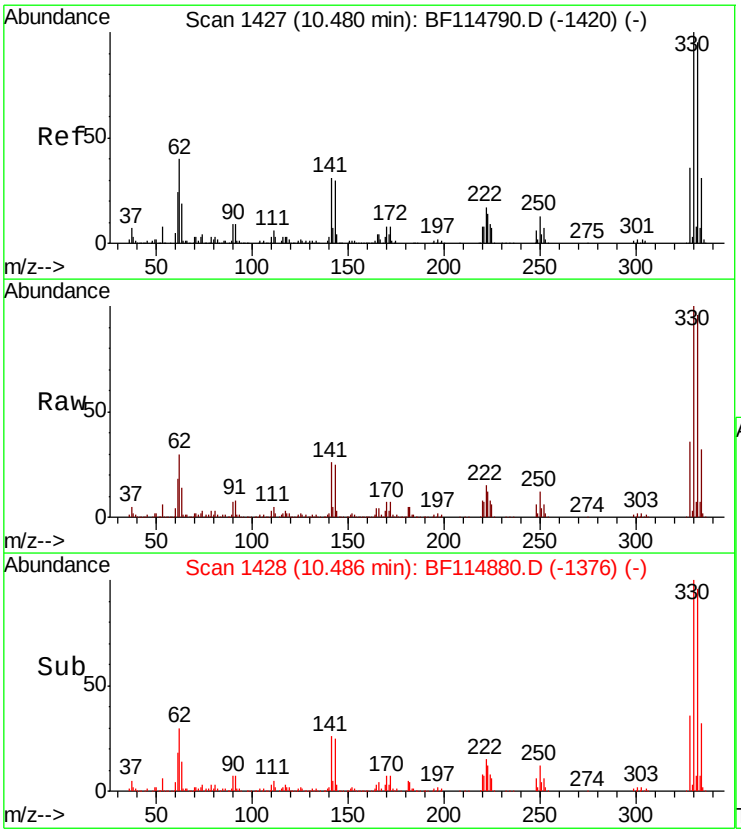
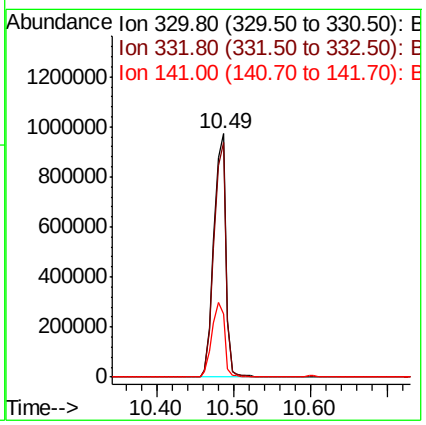
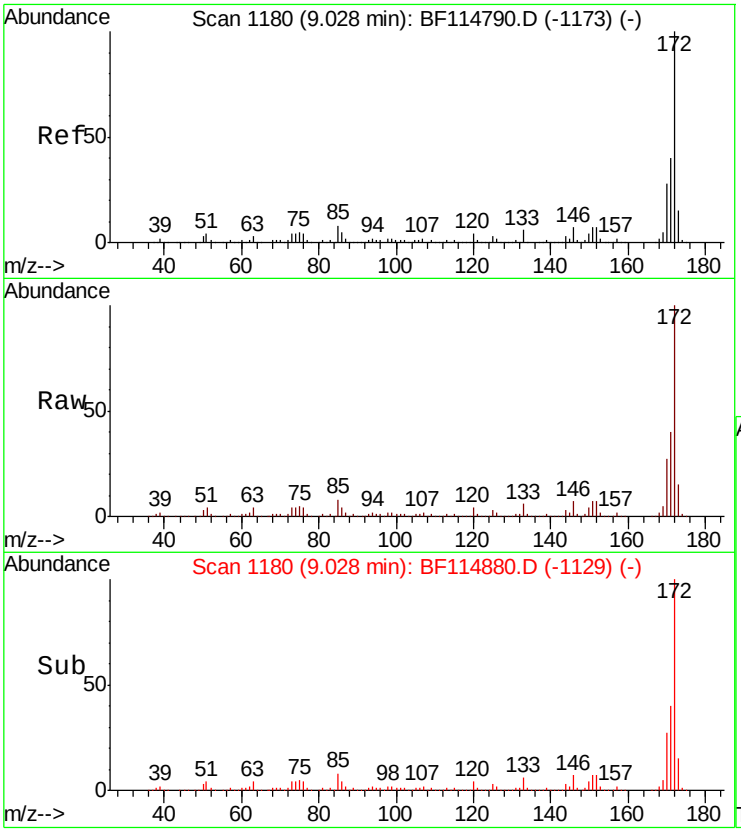


#42
2,4,6-Tribromophenol
Concen: 117.353 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:330 Resp: 1032484

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	32.5	26.2	39.4

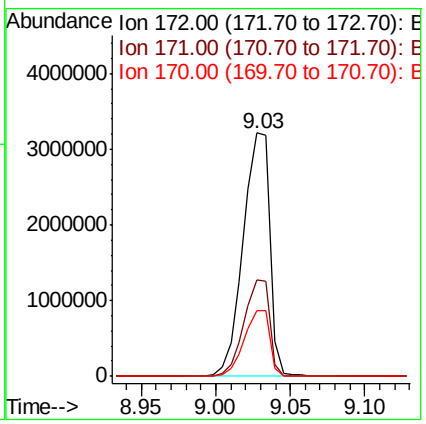




#45
2-Fluorobiphenyl
Concen: 91.364 ng
RT: 9.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:172 Resp: 3981815

Ion	Ratio	Lower	Upper
172	100		
171	39.6	32.3	48.5
170	27.0	22.4	33.6



Instrument :
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ClientSampleId :
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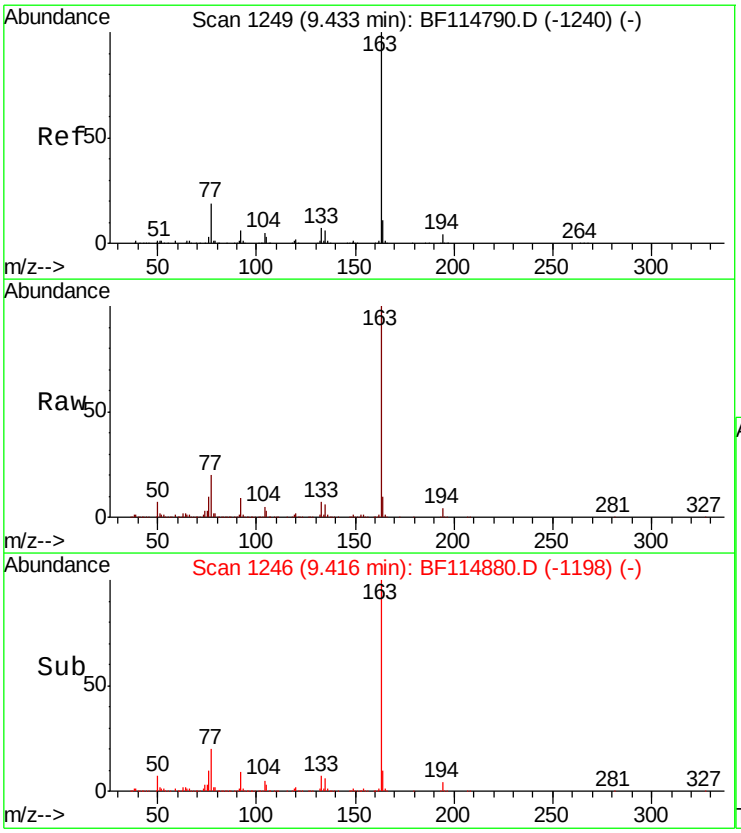
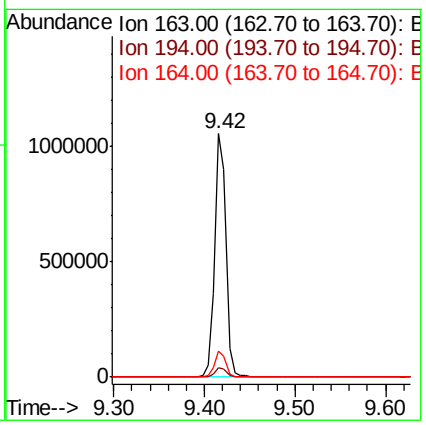
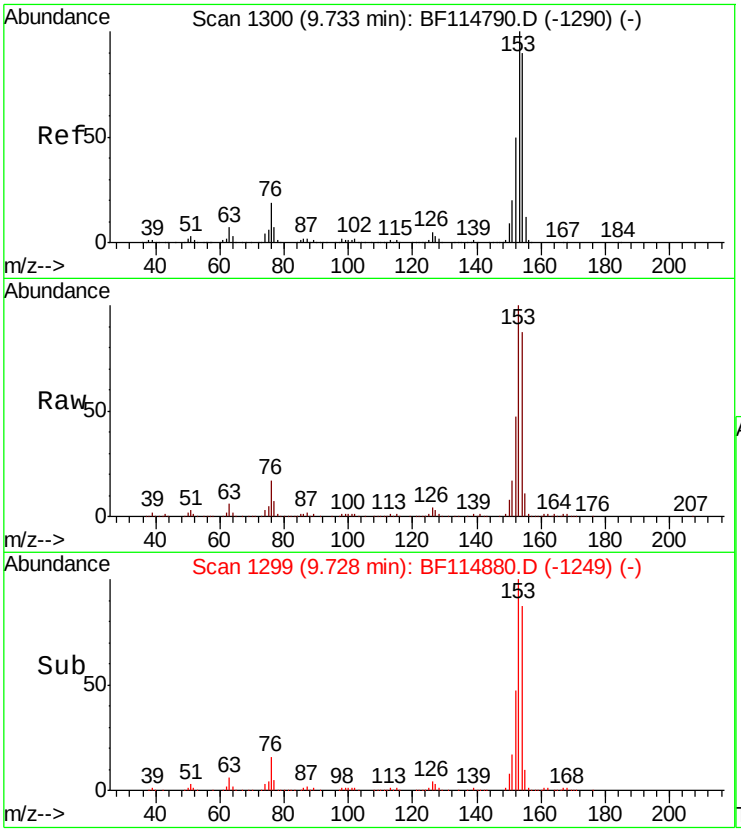


#50
Dimethylphthalate
Concen: 15.162 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:163 Resp: 904060

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.5	8.6	13.0

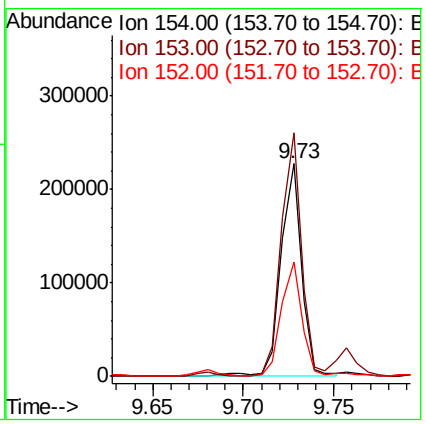




#52
Acenaphthene
Concen: 3.697 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:154 Resp: 180557

Ion	Ratio	Lower	Upper
154	100		
153	114.4	88.5	132.7
152	53.4	44.1	66.1



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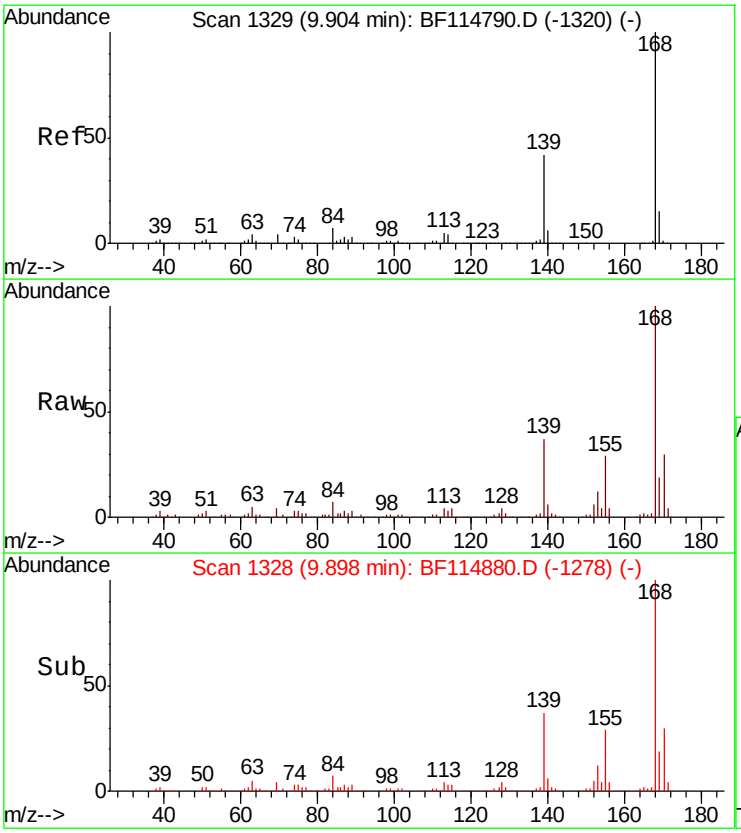
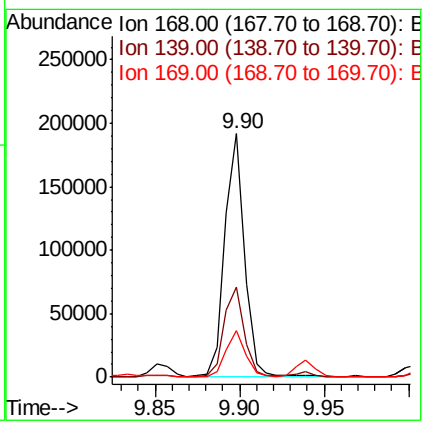
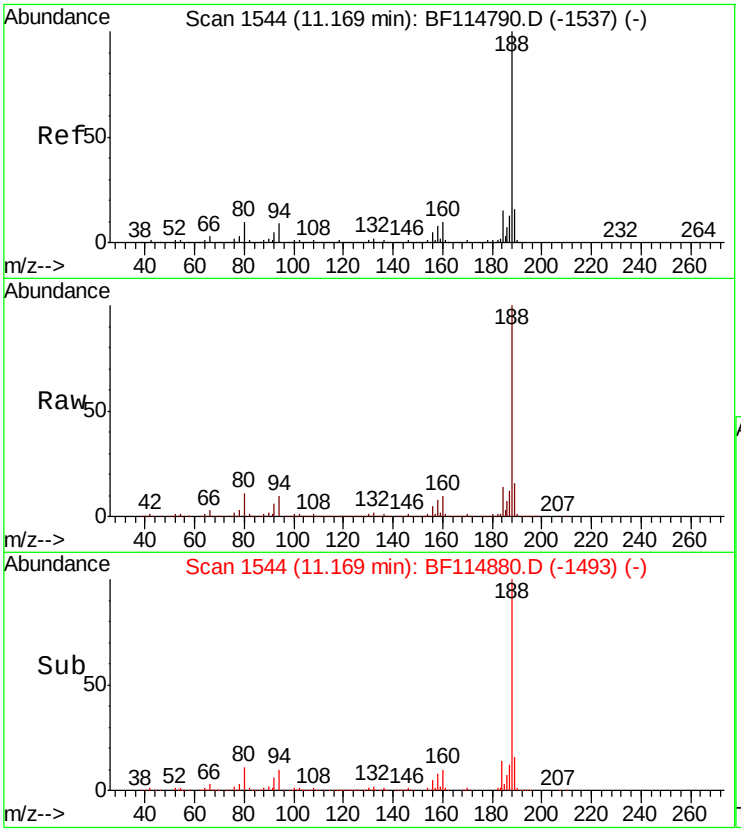


#55
Dibenzofuran
Concen: 2.267 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:168 Resp: 153976

Ion	Ratio	Lower	Upper
168	100		
139	36.8	33.8	50.6
169	19.0	11.9	17.9#

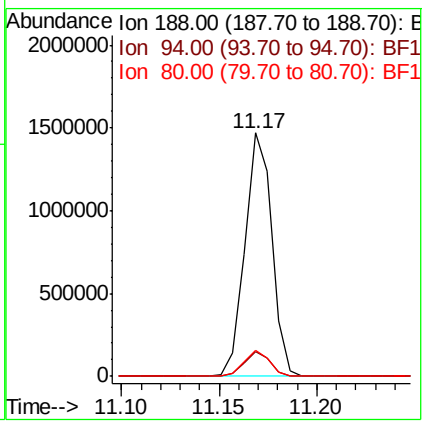




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:188 Resp: 1404212

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.6	11.4
80	10.7	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
RBR-200035

Manual Integrations APPROVED
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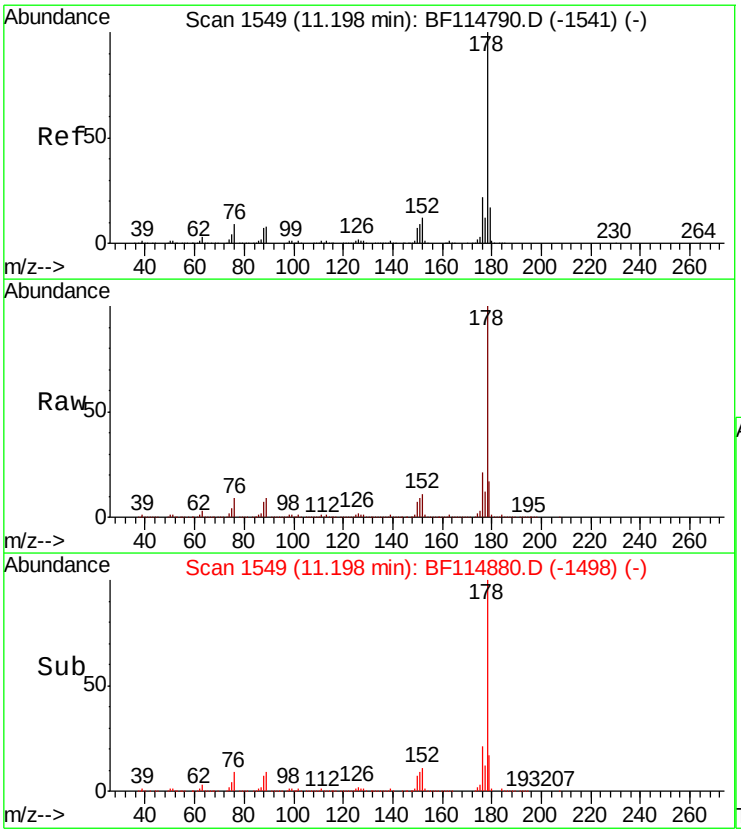
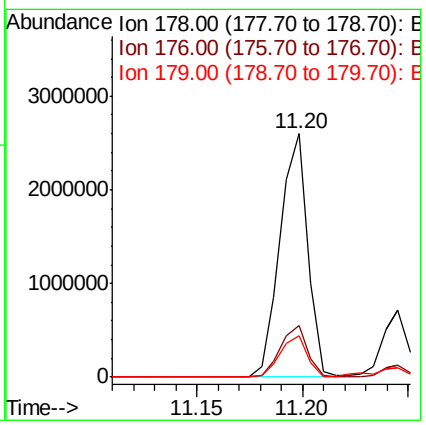
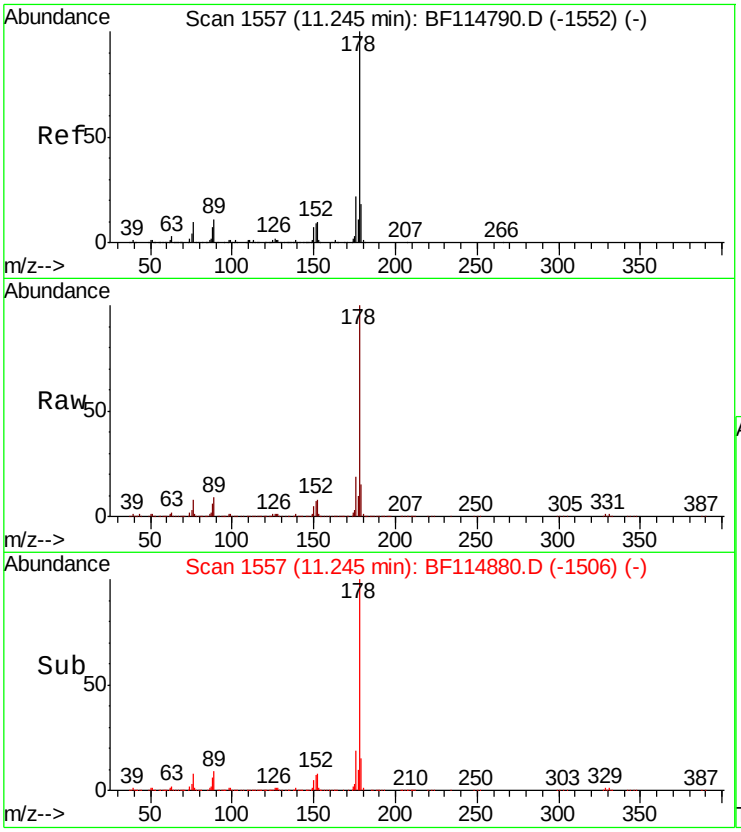


#71
Phenanthrene
Concen: 35.609 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:178 Resp: 2387047

Ion	Ratio	Lower	Upper
178	100		
176	21.4	17.7	26.5
179	16.8	13.7	20.5

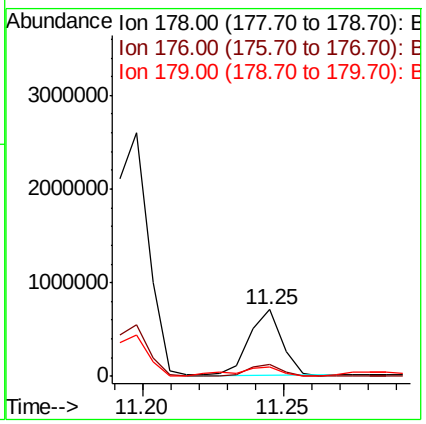




#72
Anthracene
Concen: 8.078 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:178 Resp: 569905

Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.4	26.0
179	15.0	14.2	21.4



Instrument :
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ClientSampleId :
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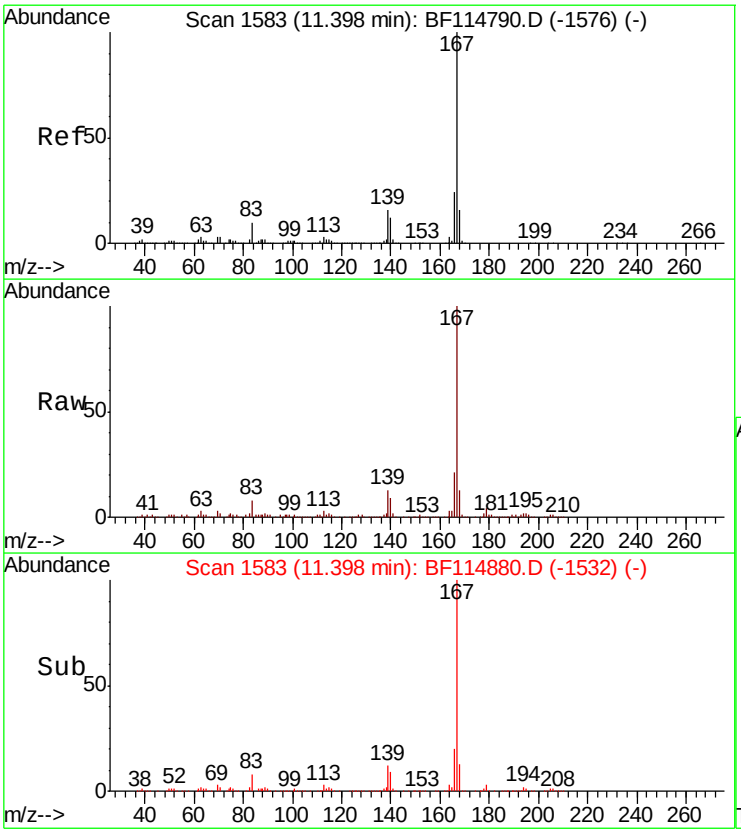
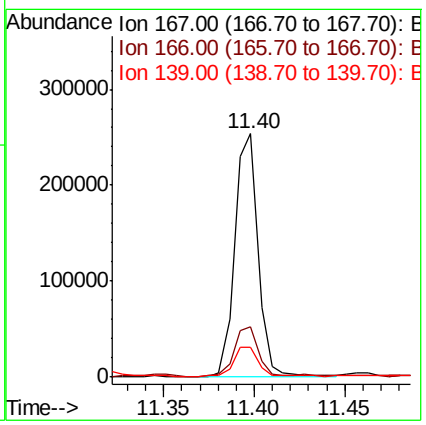
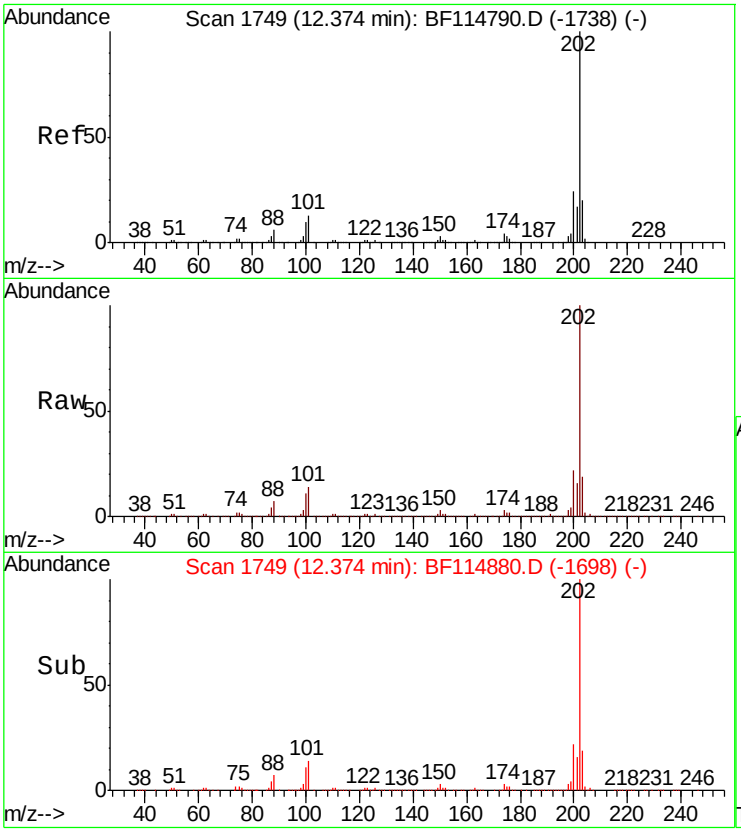


#73
Carbazole
Concen: 3.741 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:167 Resp: 226248

Ion	Ratio	Lower	Upper
167	100		
166	20.8	19.1	28.7
139	12.5	12.4	18.6

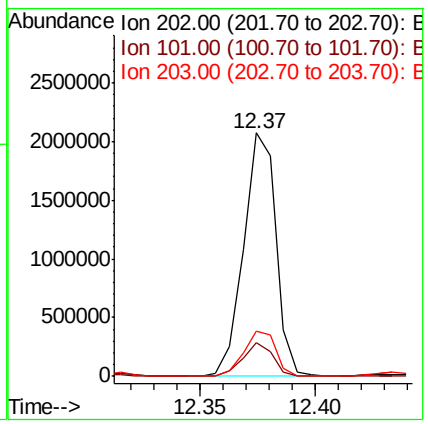




#75
Fluoranthene
Concen: 28.980 ng
RT: 12.37 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:202 Resp: 2021974

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	32.8
203	18.7	0.2	40.2



Instrument :
BNA_F
ClientSampleId :
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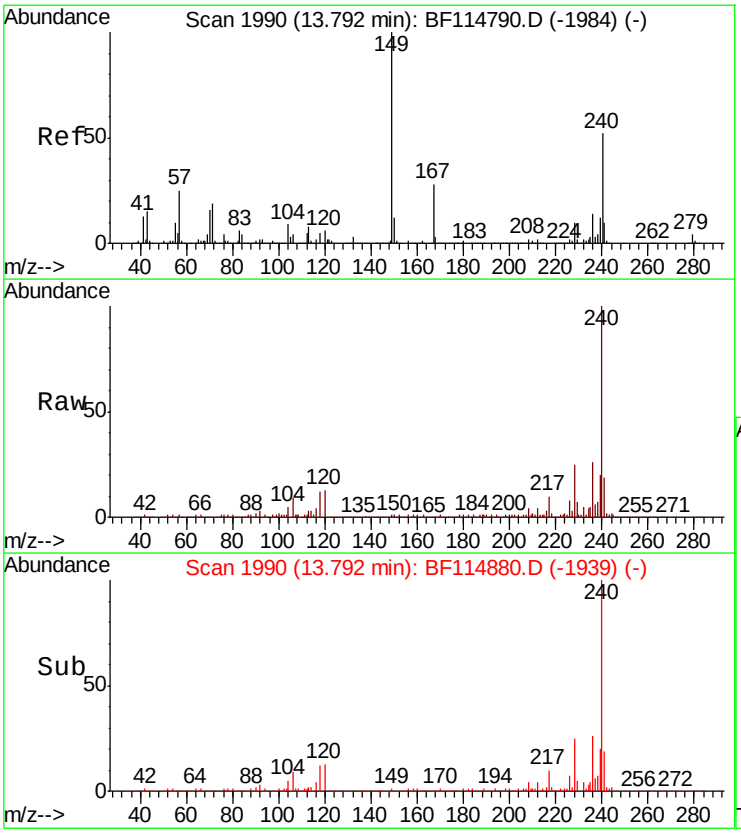
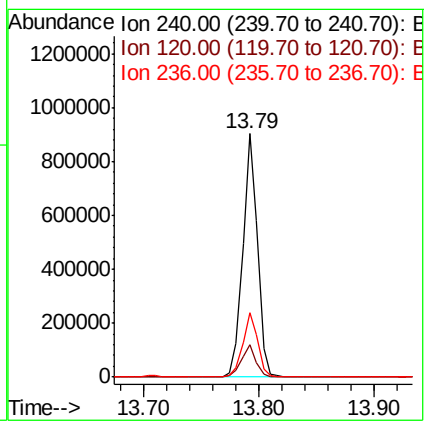
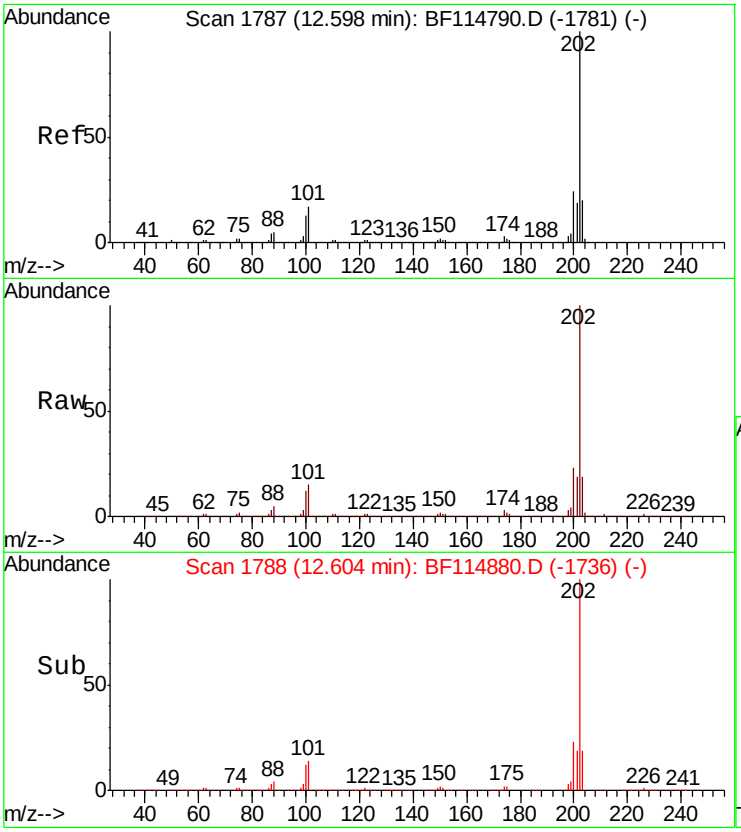


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:240 Resp: 793410

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.0	13.4
236	26.4	21.4	32.0

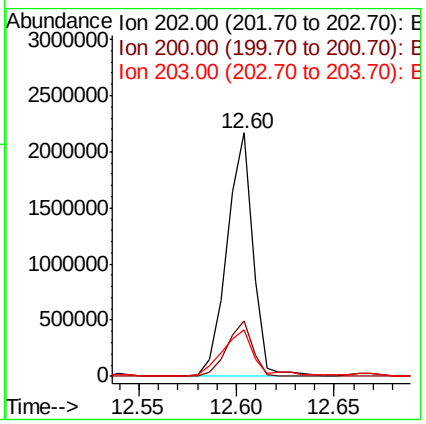




#78
Pyrene
Concen: 28.946 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:202 Resp: 1992318

Ion	Ratio	Lower	Upper
202	100		
200	23.0	19.2	28.8
203	19.1	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
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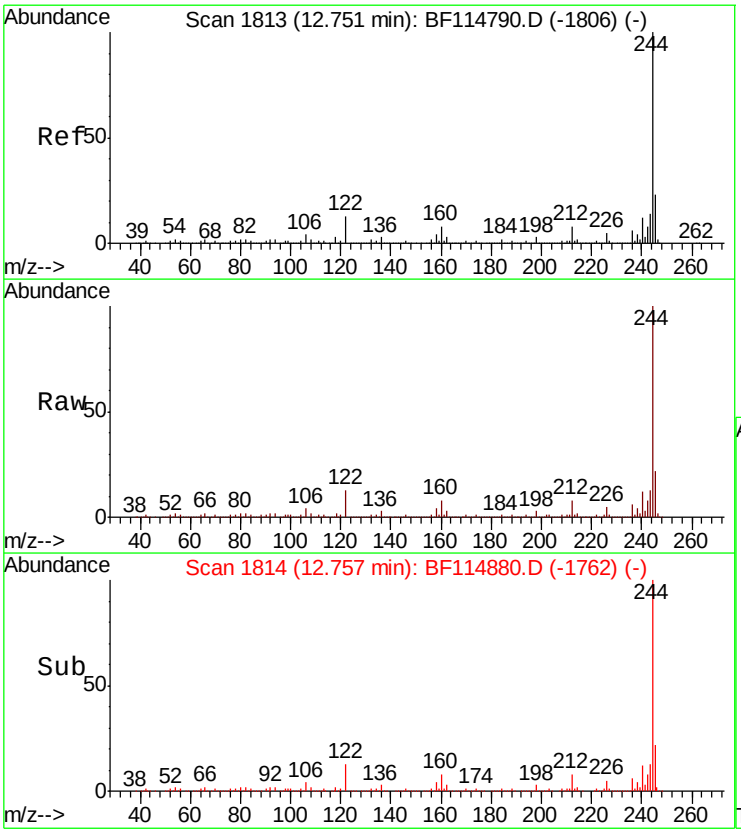
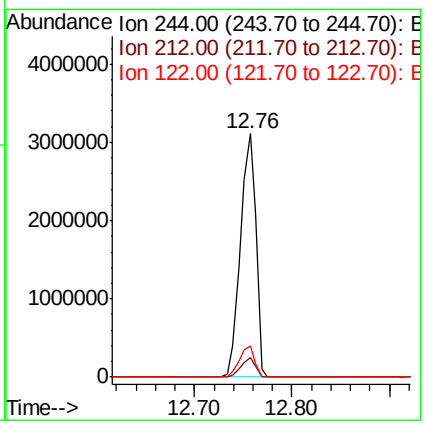
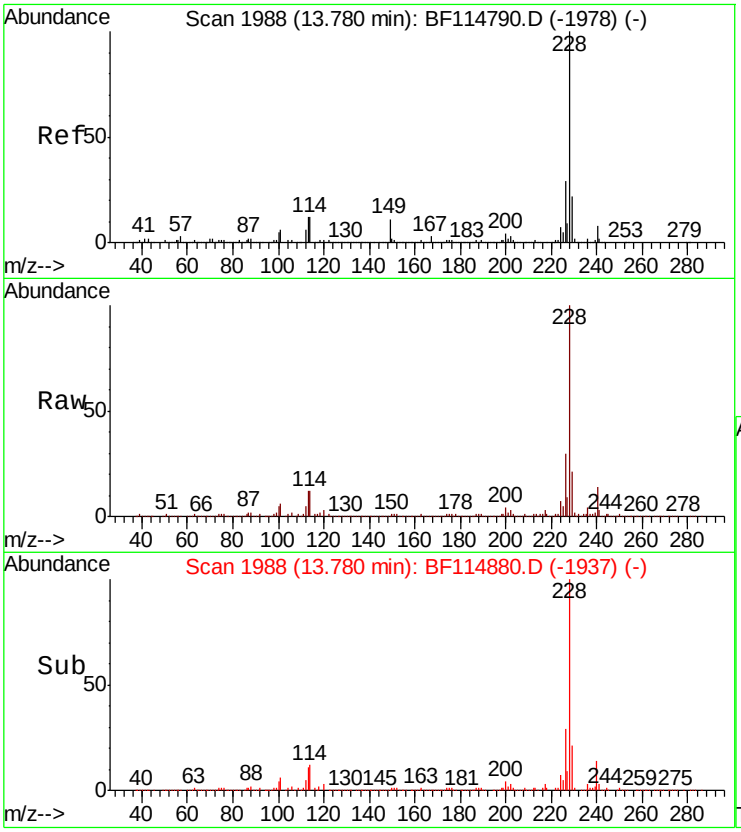


#79
Terphenyl-d14
Concen: 84.090 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:244 Resp: 3430663

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	12.7	10.5	15.7

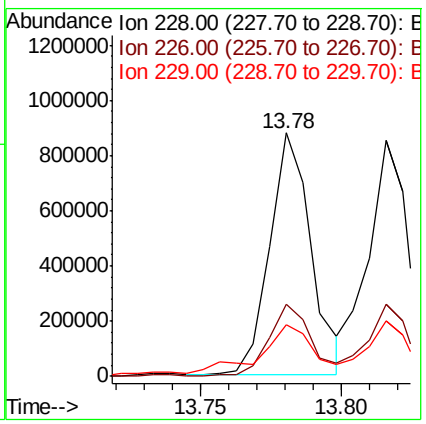




#81
Benzo(a)anthracene
Concen: 14.632 ng
RT: 13.78 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:228 Resp: 894590

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	21.1	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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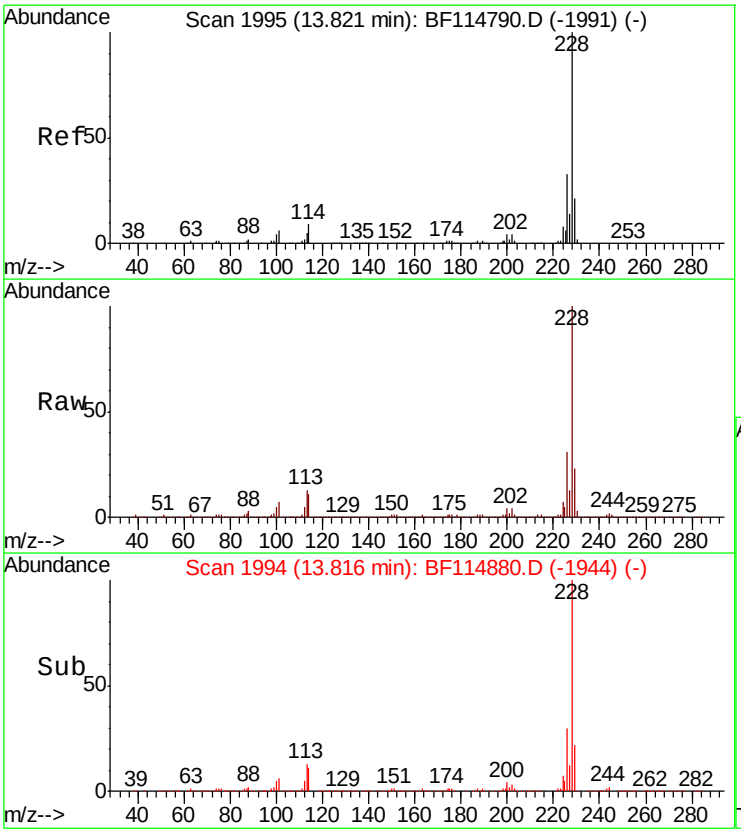
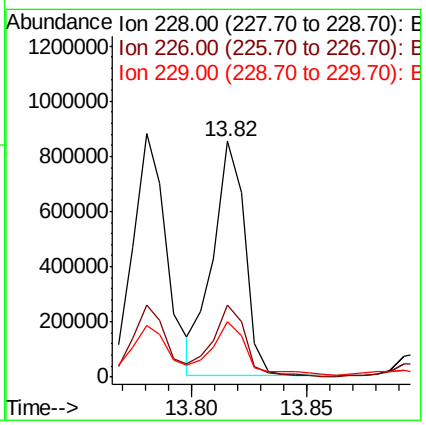
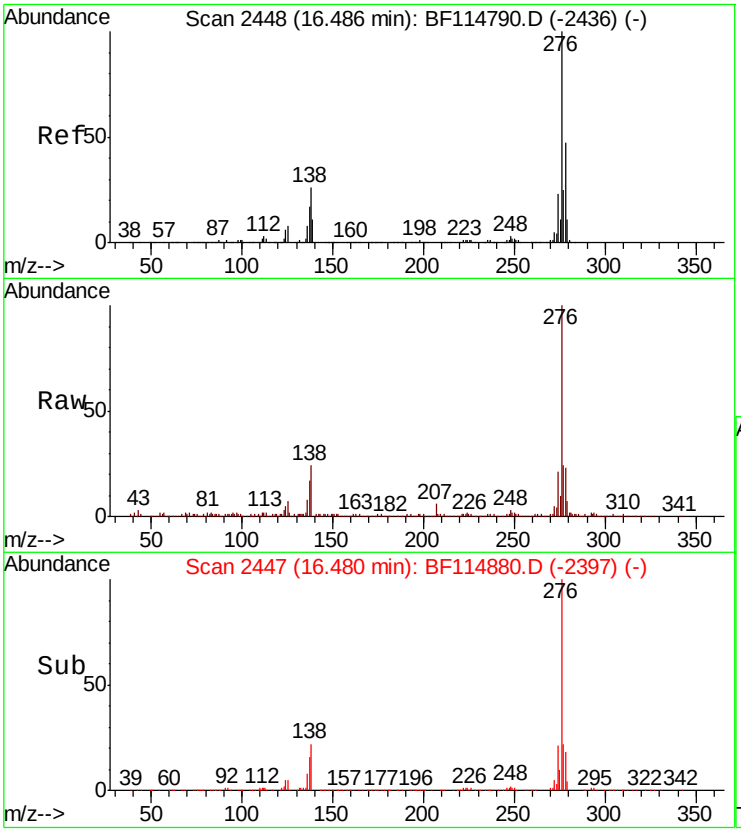


#83
Chrysene
Concen: 13.732 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:228 Resp: 816759

Ion	Ratio	Lower	Upper
228	100		
226	30.6	26.0	39.0
229	23.3	17.1	25.7

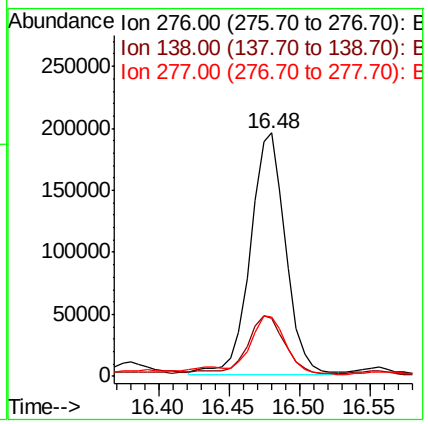




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.008 ng
RT: 16.48 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:276 Resp: 339885

Ion	Ratio	Lower	Upper
276	100		
138	26.6	22.2	33.4
277	24.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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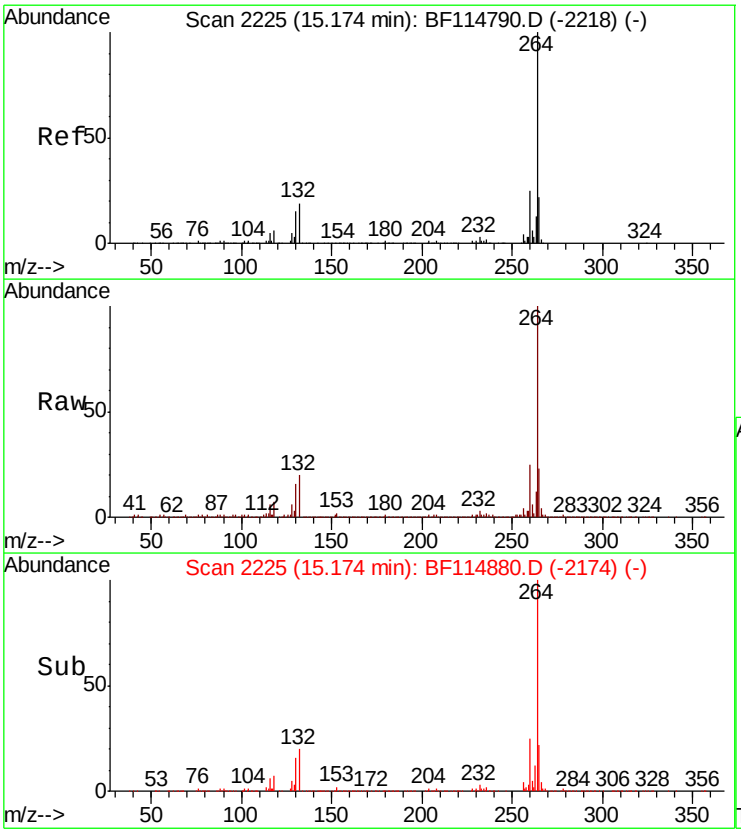
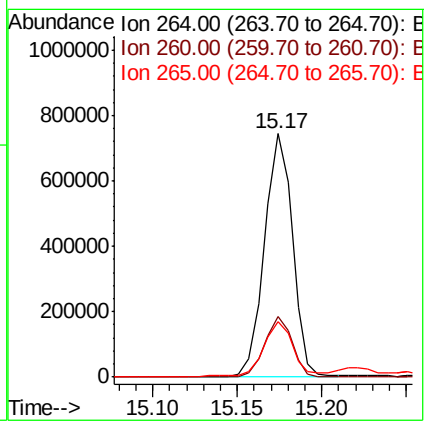
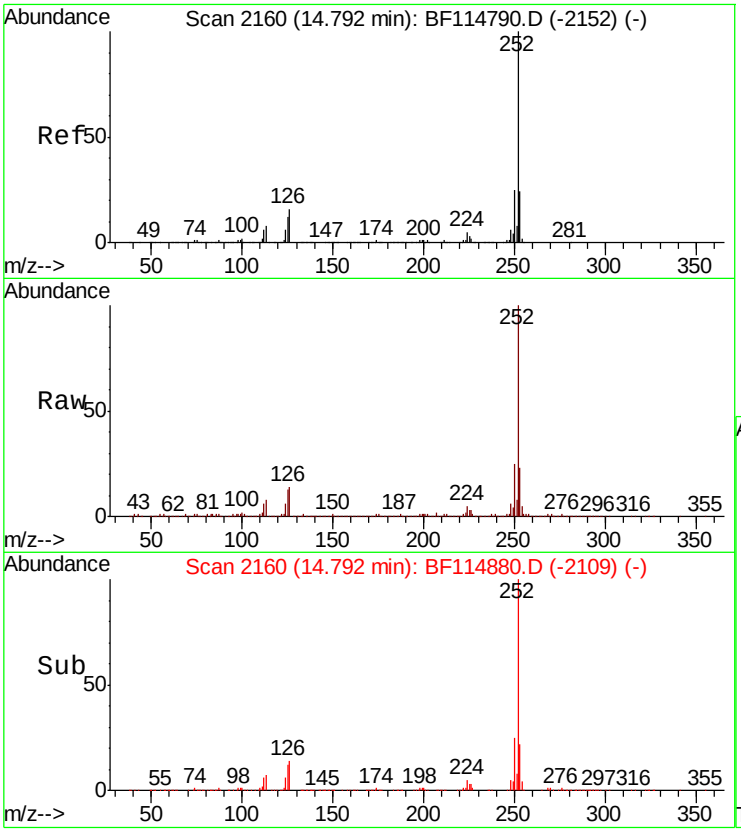


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:264 Resp: 859795

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	22.5	17.7	26.5

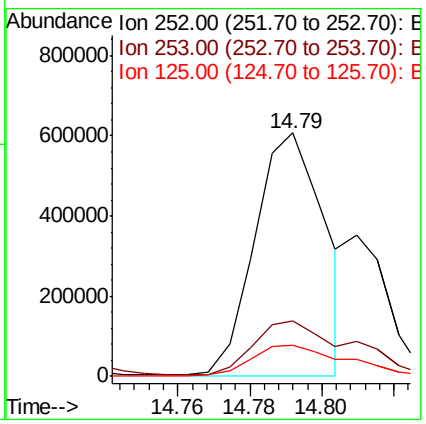




#88
Benzo(b)fluoranthene
Concen: 14.886 ng m
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:252 Resp: 814824

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.0	28.6
125	12.5	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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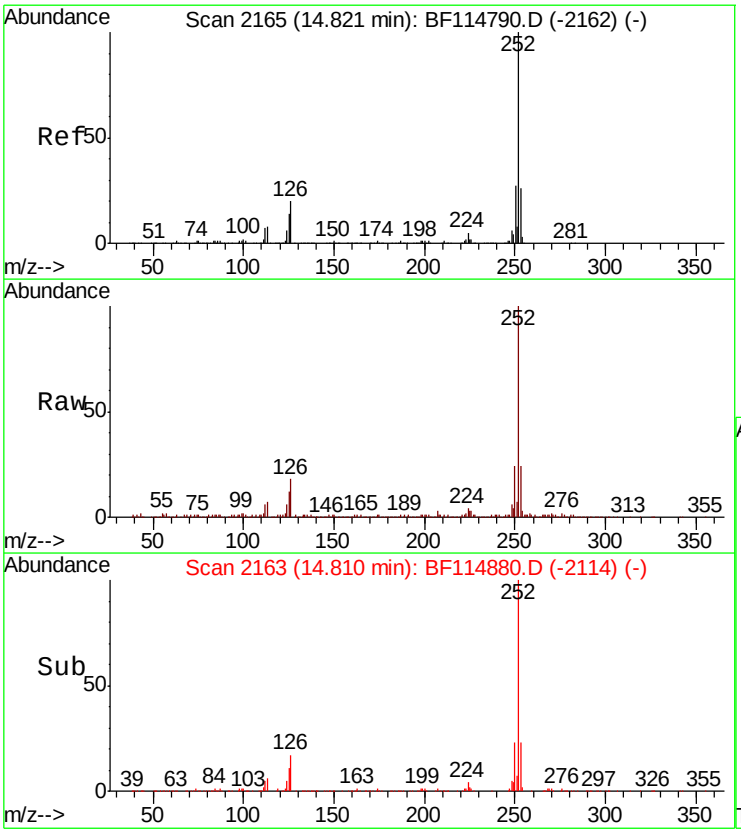
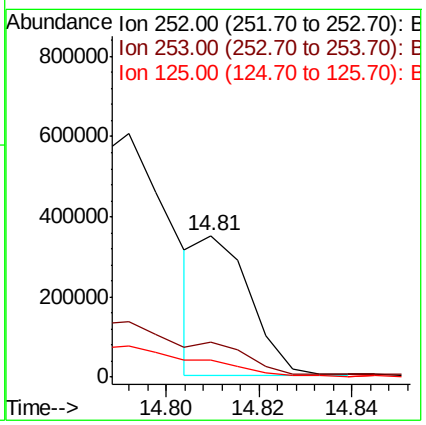
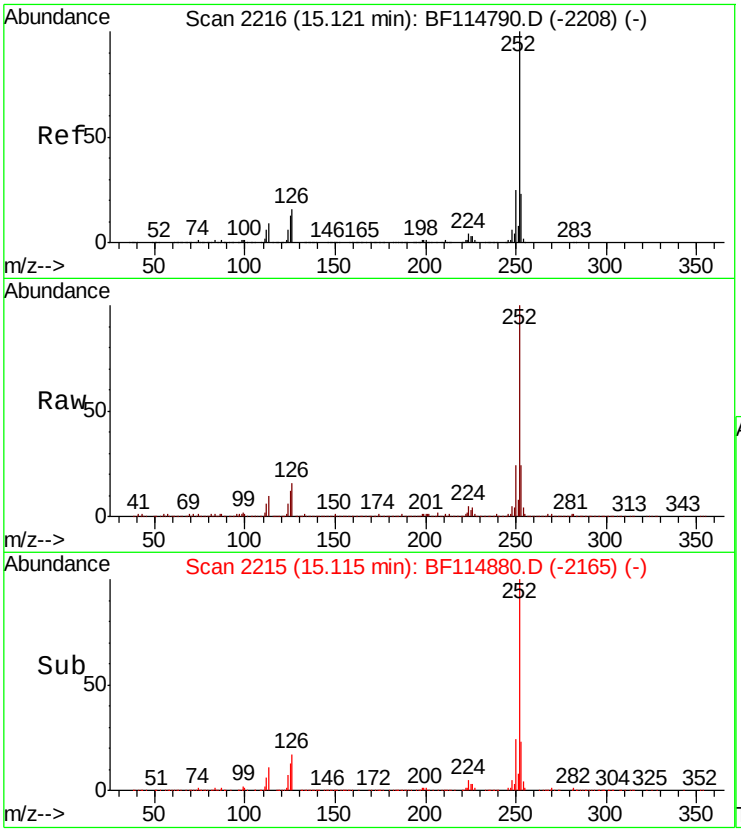


#89
Benzo(k)fluoranthene
Concen: 5.771 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:252 Resp: 268272

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.3	28.9
125	12.0	10.1	15.1

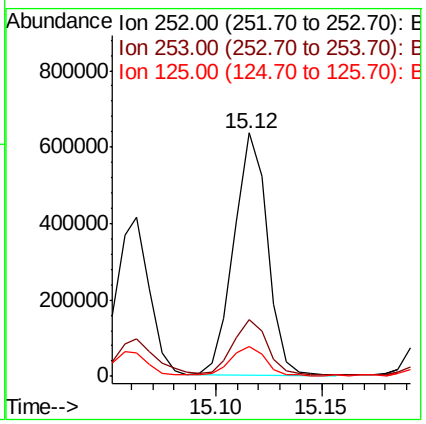




#90
Benzo(a)pyrene
Concen: 14.804 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:252 Resp: 701353

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	12.4	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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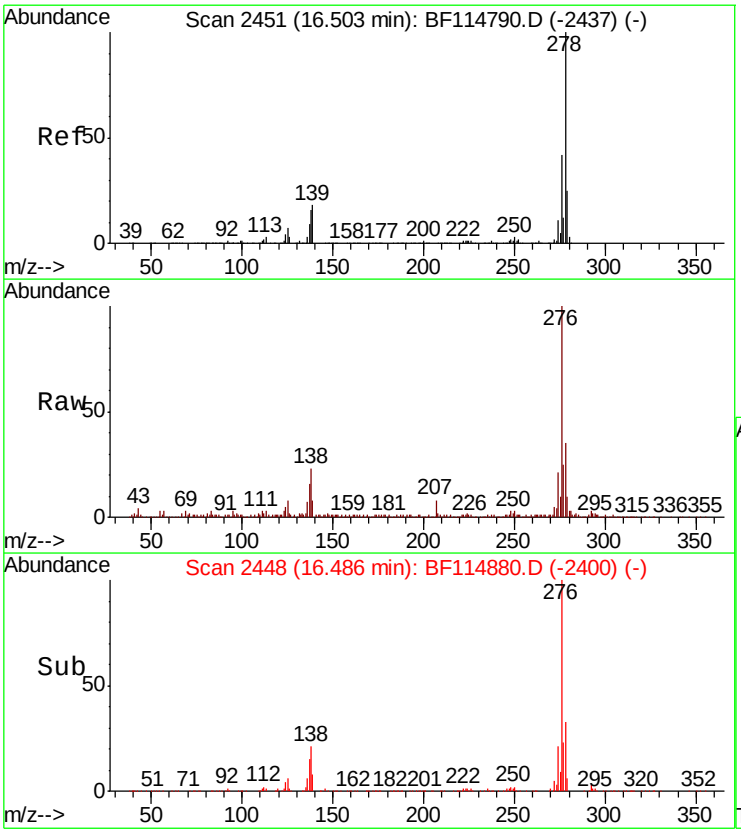
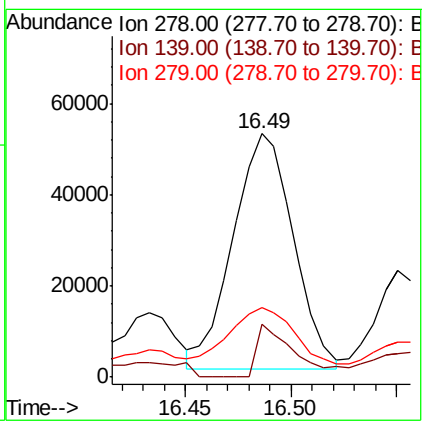
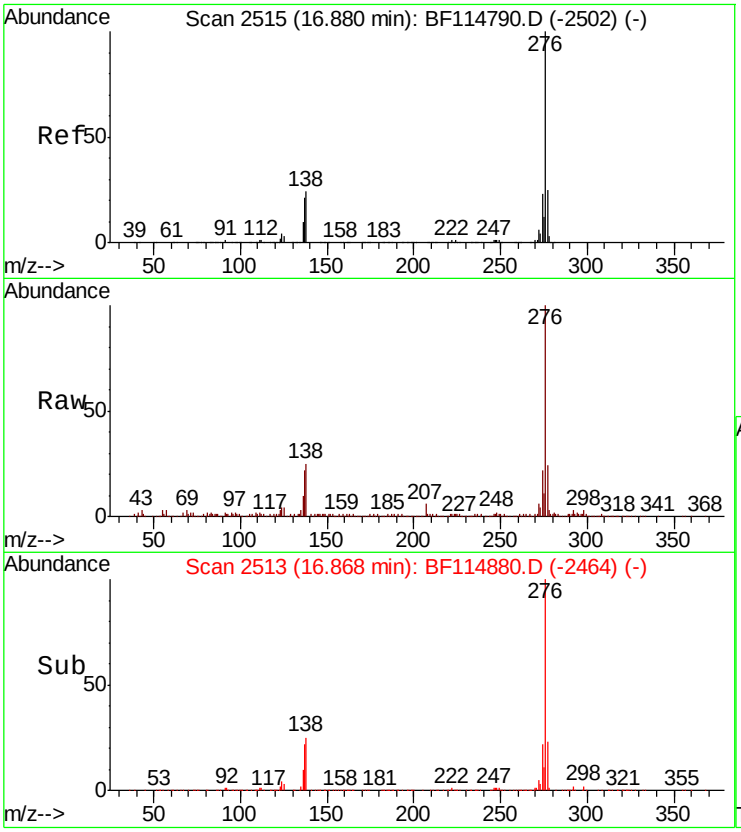


#91
Dibenzo(a,h)anthracene
Concen: 2.274 ng
RT: 16.49 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:278 Resp: 102043

Ion	Ratio	Lower	Upper
278	100		
139	21.7	14.6	22.0
279	28.7	20.1	30.1

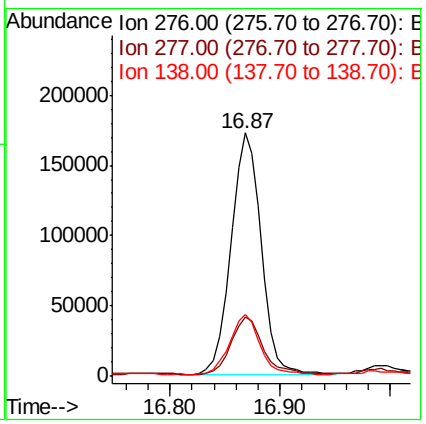




#92
Benzo(g,h,i)perylene
Concen: 7.270 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF114880.D
Acq: 6 Jun 2019 23:21

Tgt Ion:276 Resp: 327986

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.6
138	25.2	19.4	29.2



Instrument :
BNA_F
ClientSampleId :
RBR-200035

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