Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
Data File : BF115661.D
Acq On : 18 Jul 2019 23:12
Operator : HP/JU
Sample : K3875-02 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HJDC-S2

Manual Integrations APPROVED
mohammad
7/19/2019 3:58:52 PM

Quant Time: Jul 19 08:14:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	150436	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	598452	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	260397	20.00	ng		-0.01
64) Phenanthrene-d10	11.40	188	412174	20.00	ng		0.00
76) Chrysene-d12	14.04	240	344509	20.00	ng		-0.01
87) Perylene-d12	15.51	264	280379	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	346363	37.66	ng		0.00
7) Phenol-d6	6.50	99	482036	41.31	ng		-0.01
23) Nitrobenzene-d5	7.44	82	305375	29.67	ng		-0.01
42) 2,4,6-Tribromophenol	10.70	330	100869	33.19	ng		-0.01
45) 2-Fluorobiphenyl	9.23	172	483747	32.52	ng		-0.02
79) Terphenyl-d14	12.98	244	424969	22.76	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.19	128	114802	3.961	ng		96
50) Dimethylphthalate	9.62	163	66445	3.392	ng		99
52) Acenaphthene	9.95	154	67519	4.164	ng		98
55) Dibenzofuran	10.12	168	70867	3.077	ng	#	96
58) Fluorene	10.46	166	102265	6.212	ng		99
71) Phenanthrene	11.43	178	698183	33.046	ng		96
72) Anthracene	11.47	178	187289	8.578	ng		98
73) Carbazole	11.63	167	91289	4.768	ng		98
75) Fluoranthene	12.62	202	955649	42.804	ng		98
78) Pyrene	12.84	202	823410	28.210	ng		97
81) Benzo(a)anthracene	14.03	228	487737	21.490	ng		99
83) Chrysene	14.06	228	414122	18.176	ng		96
86) Indeno(1,2,3-cd)pyrene	16.98	276	162493	8.395	ng		95
88) Benzo(b)fluoranthene	15.08	252	424164m	23.494	ng		
89) Benzo(k)fluoranthene	15.10	252	108782m	6.758	ng		
90) Benzo(a)pyrene	15.44	252	259772	16.741	ng		97
91) Dibenzo(a,h)anthracene	16.99	278	45870	3.367	ng	#	87
92) Benzo(g,h,i)perylene	17.42	276	140242	10.322	ng		97

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

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Instrument :
BNA_F
ClientSampleId :
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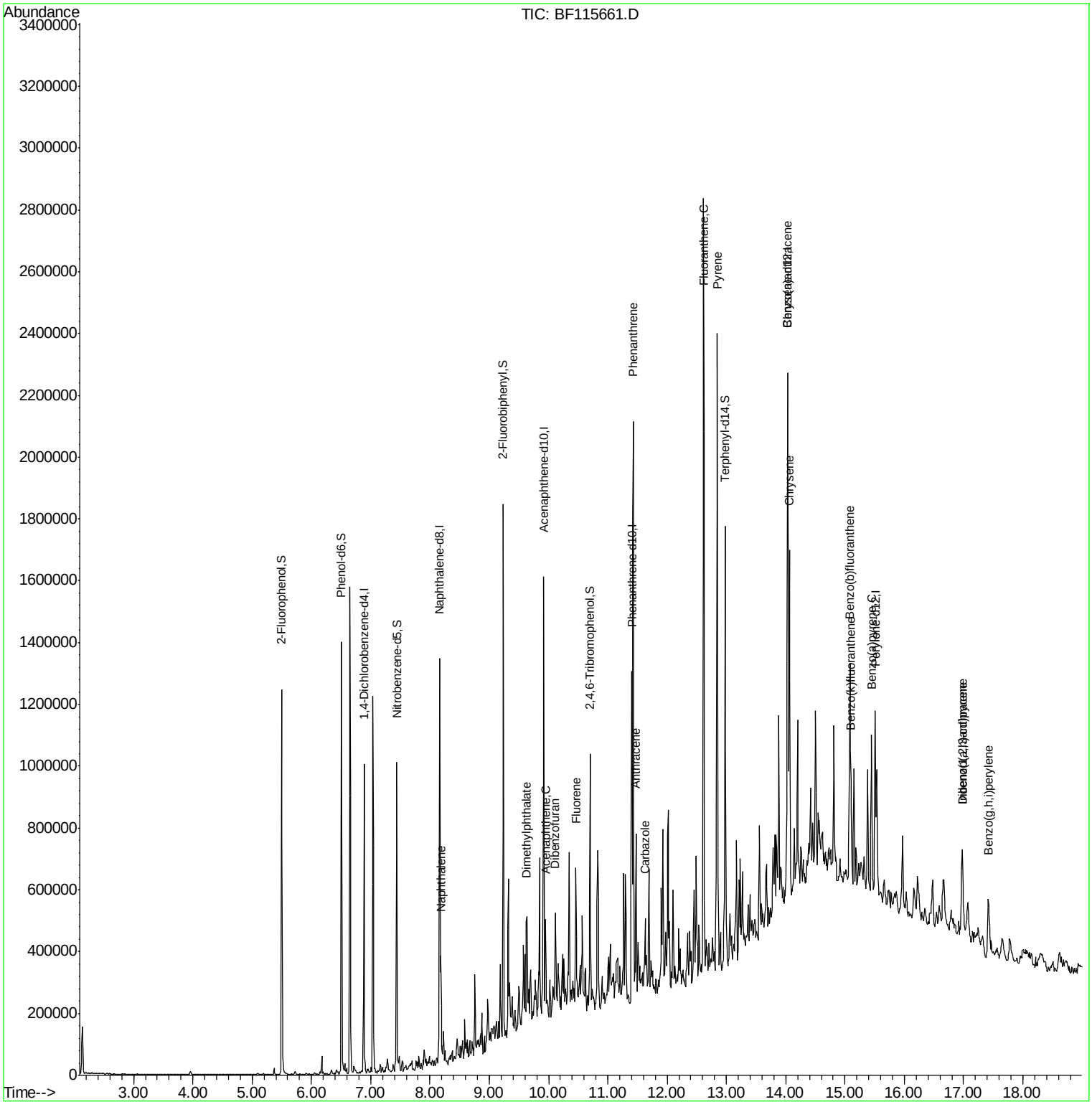
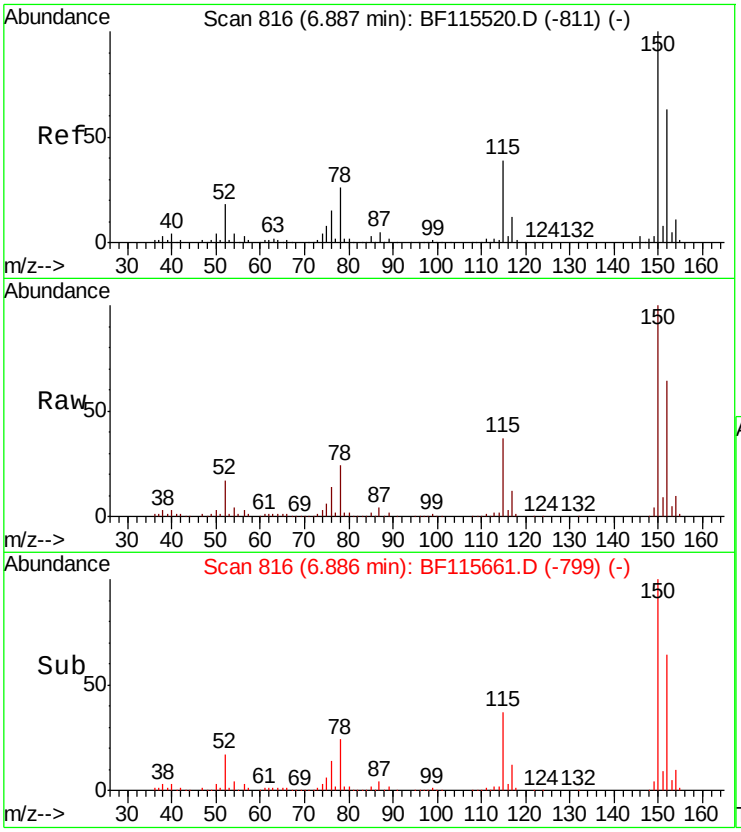
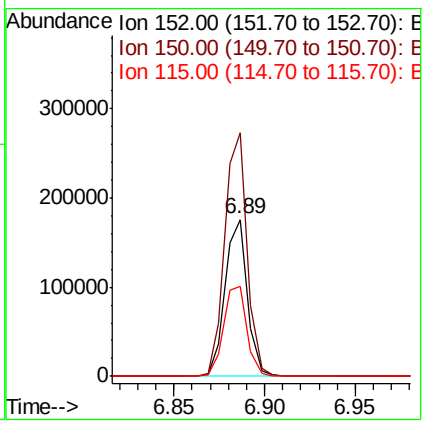




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:152 Resp: 150436

Ion	Ratio	Lower	Upper
152	100		
150	155.1	129.7	194.5
115	56.9	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
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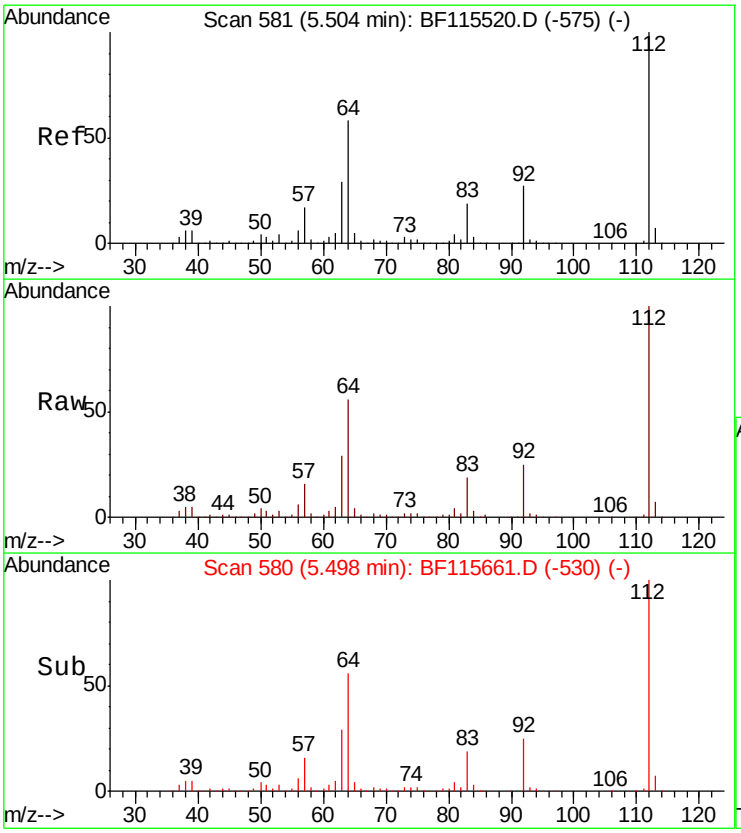
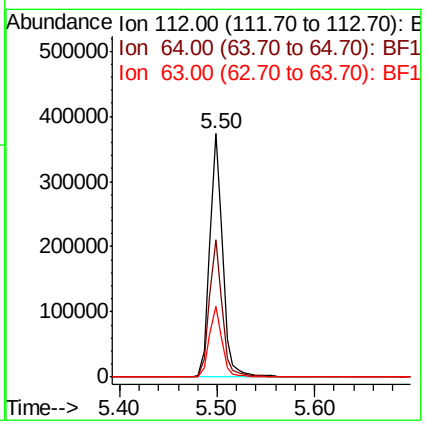
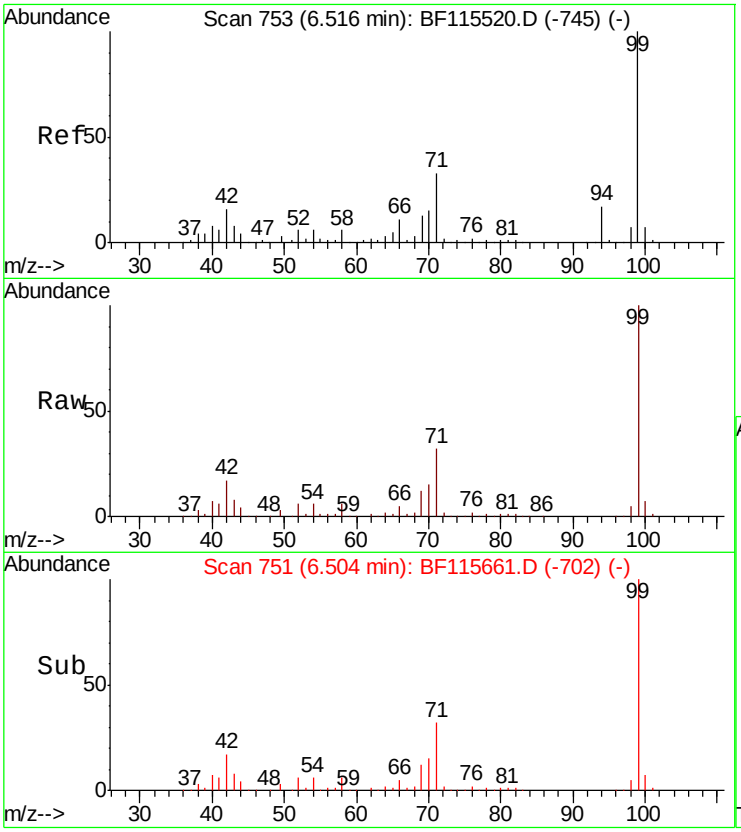


#5
2-Fluorophenol
Concen: 37.660 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:112 Resp: 346363

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.8	70.2
63	28.9	24.1	36.1

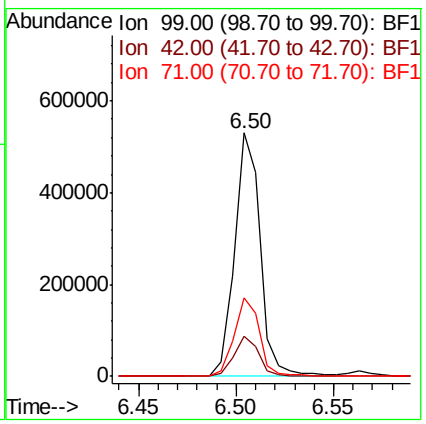




#7
Phenol-d6
Concen: 41.306 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion: 99 Resp: 482036

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.6	20.4
71	32.5	28.5	42.7



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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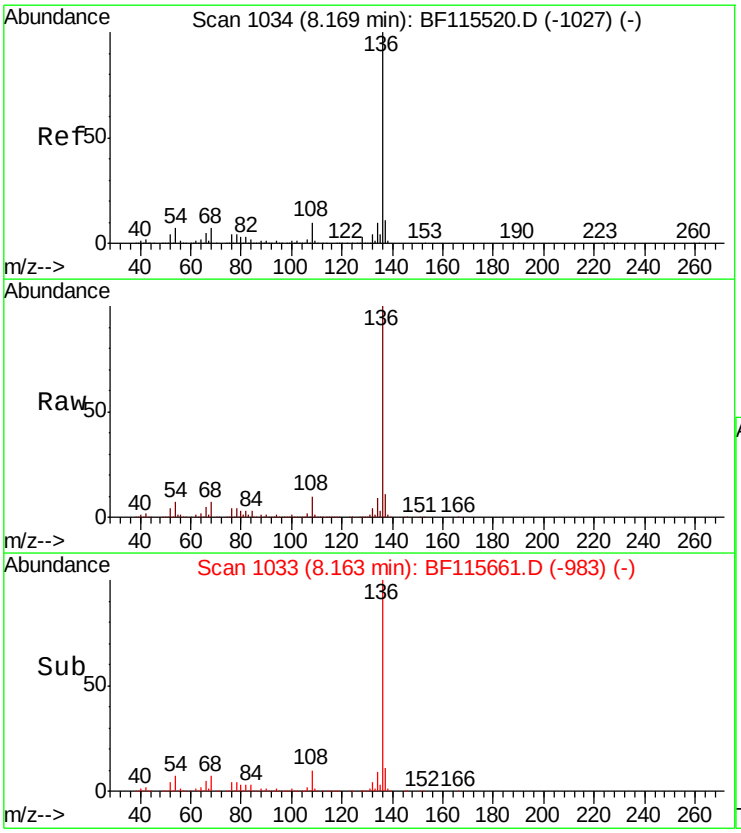
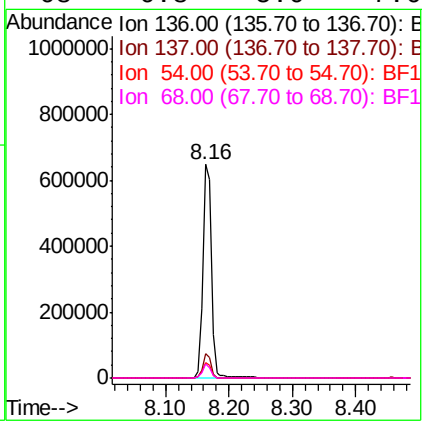
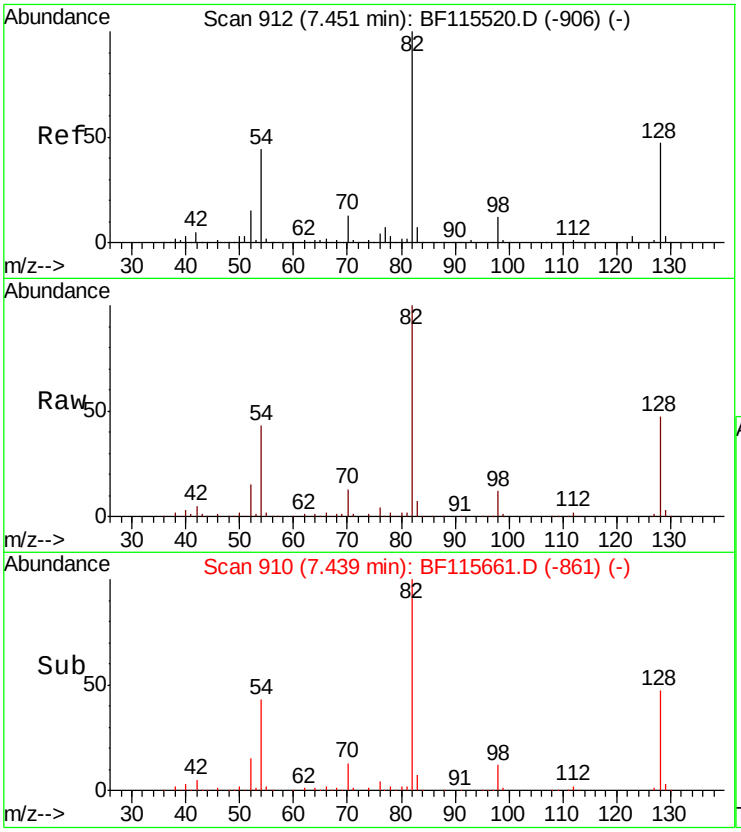


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:136 Resp: 598452

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.3	5.6	8.4
68	6.8	5.0	7.6

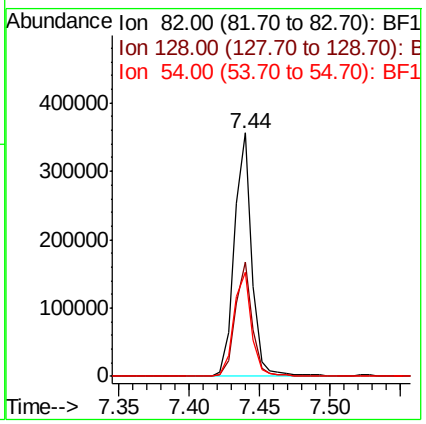




#23
Nitrobenzene-d5
Concen: 29.671 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion: 82 Resp: 305375

Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.6	57.8
54	43.0	35.6	53.4



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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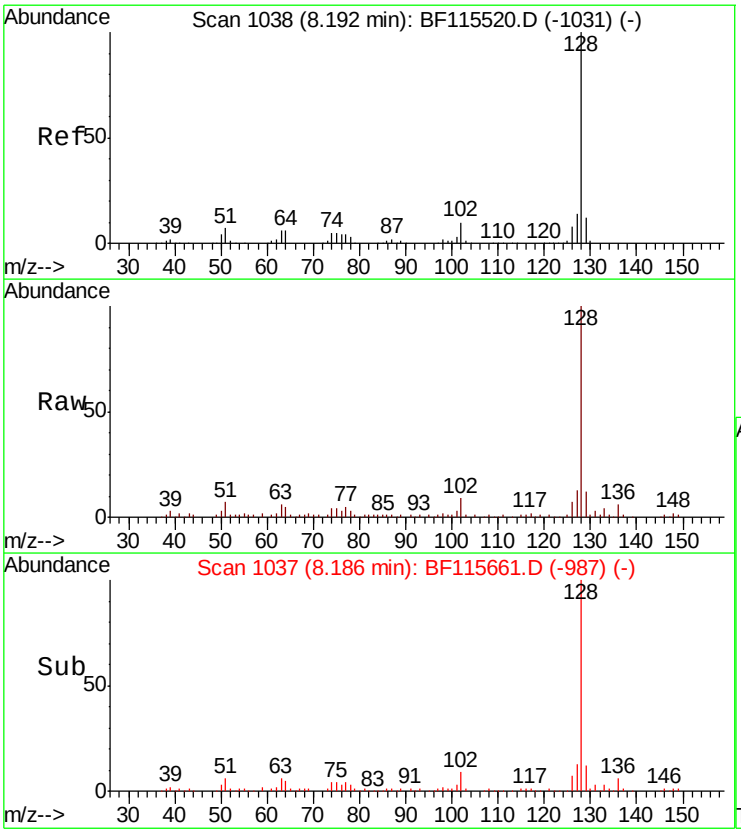
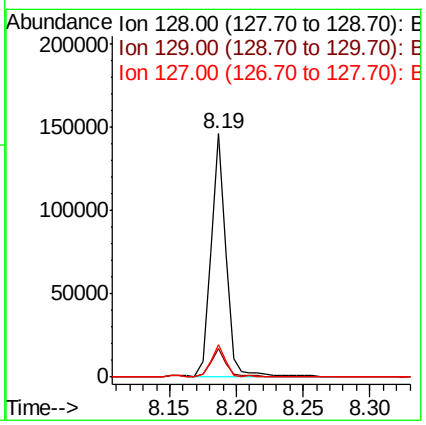
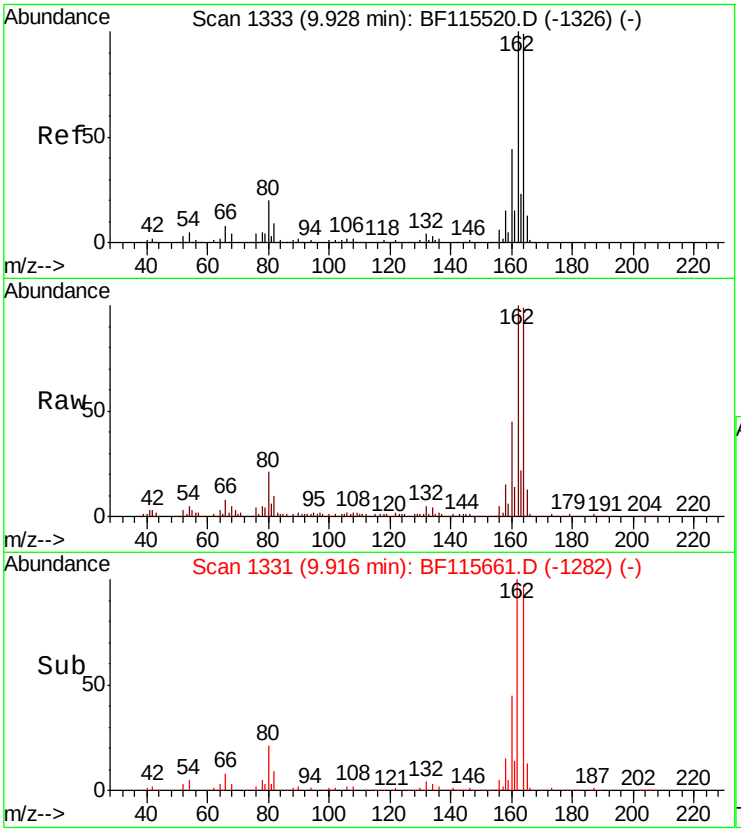


#31
Naphthalene
Concen: 3.961 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:128 Resp: 114802

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.9	14.9
127	13.1	12.1	18.1

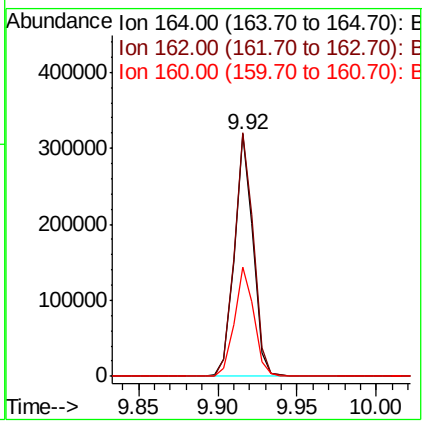




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:164 Resp: 260397

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.9	124.3
160	45.2	36.8	55.2



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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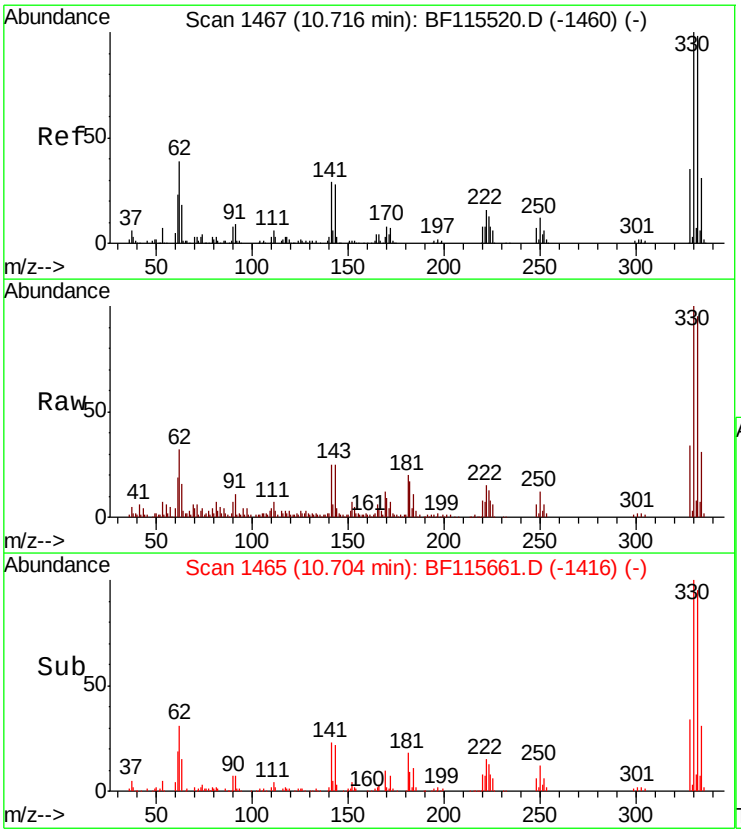
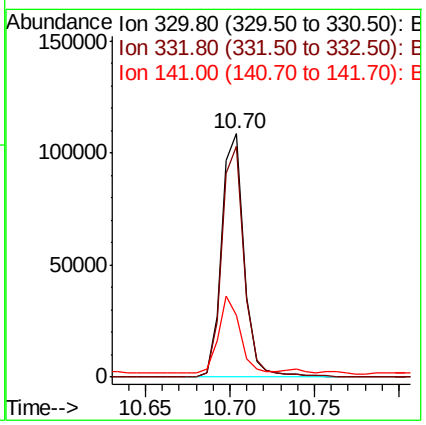
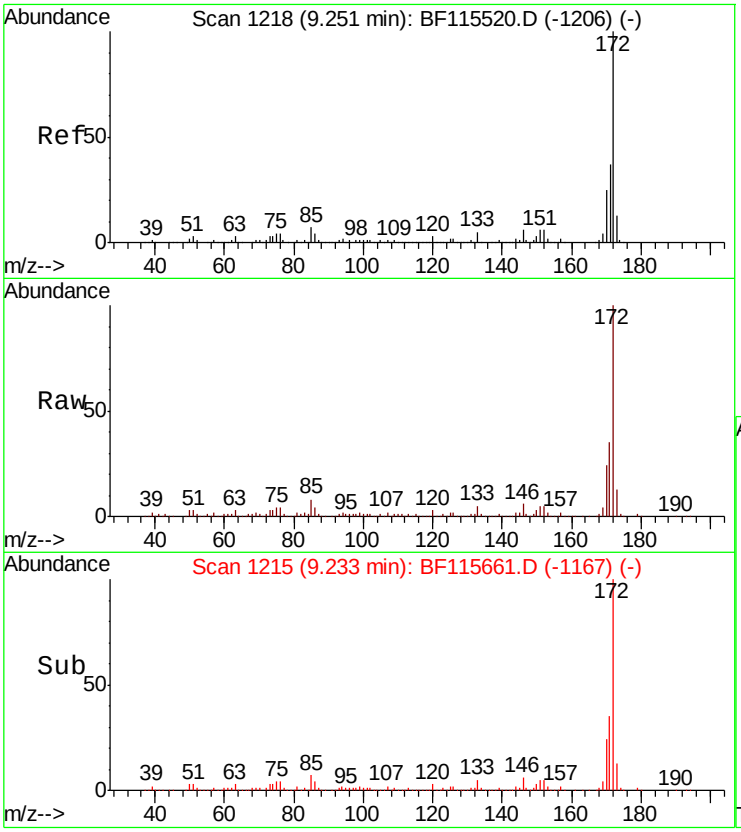


#42
2,4,6-Tribromophenol
Concen: 33.186 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:330 Resp: 100869

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	30.0	22.4	33.6

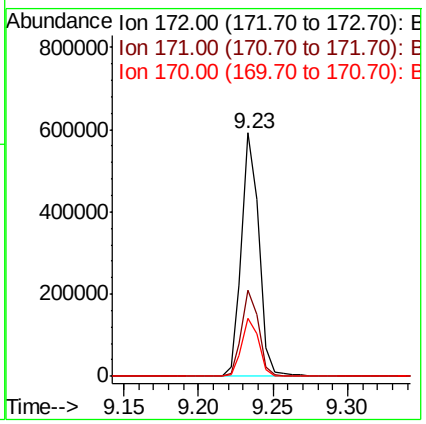




#45
2-Fluorobiphenyl
Concen: 32.516 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:172 Resp: 483747

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.6	46.0
170	23.8	20.5	30.7



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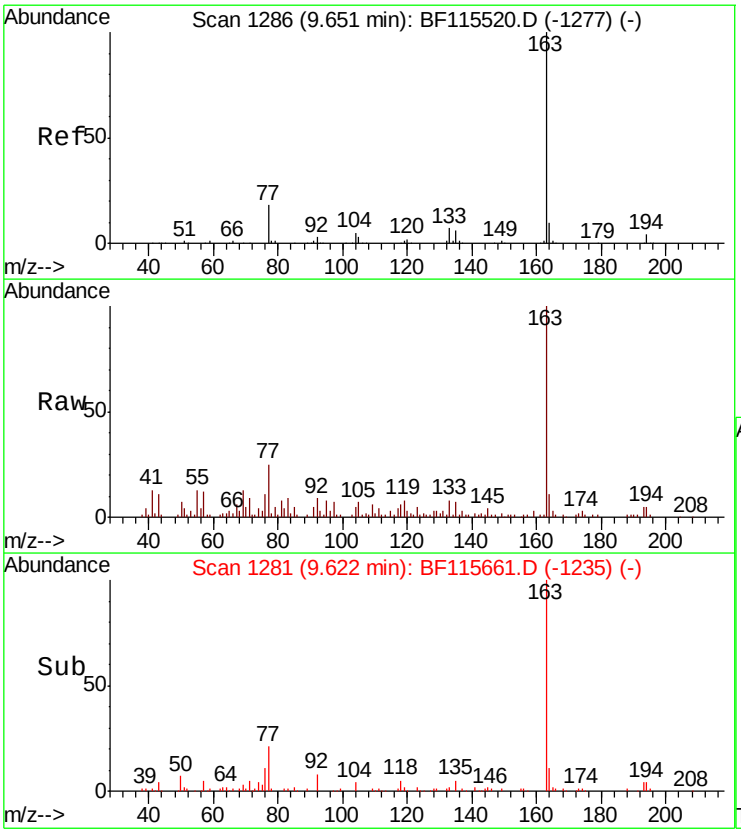
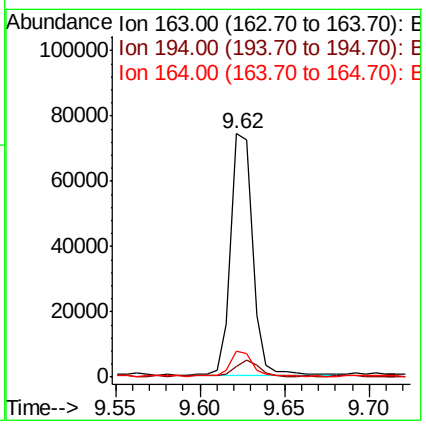
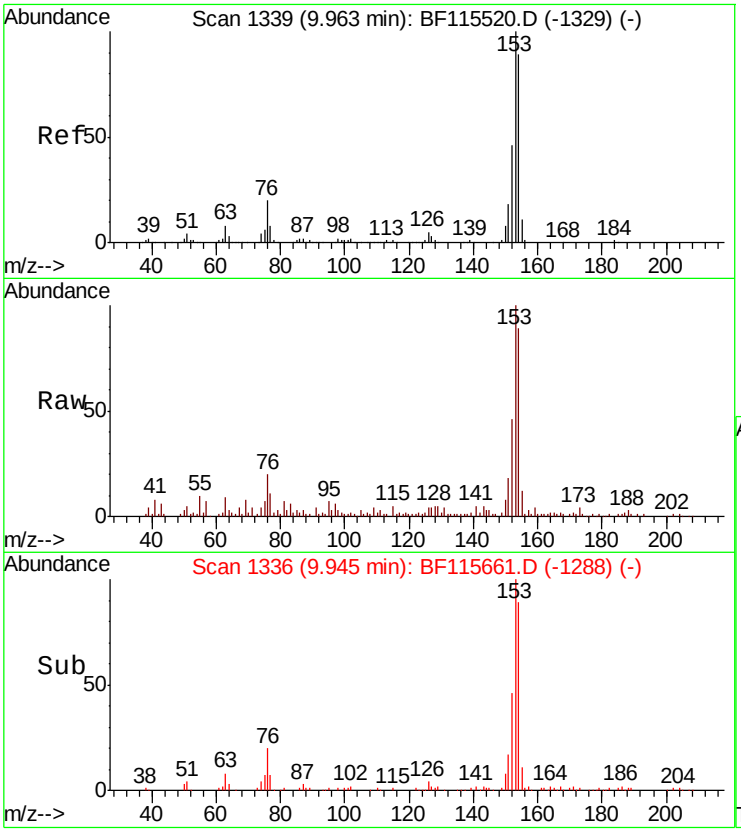


#50
Dimethylphthalate
Concen: 3.392 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:163 Resp: 66445

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	10.8	8.7	13.1

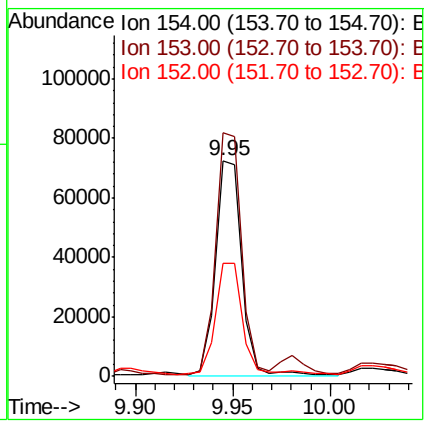




#52
Acenaphthene
Concen: 4.164 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:154 Resp: 67519

Ion	Ratio	Lower	Upper
154	100		
153	112.9	88.6	133.0
152	52.4	42.3	63.5



Instrument :
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ClientSampleId :
HJDC-S2

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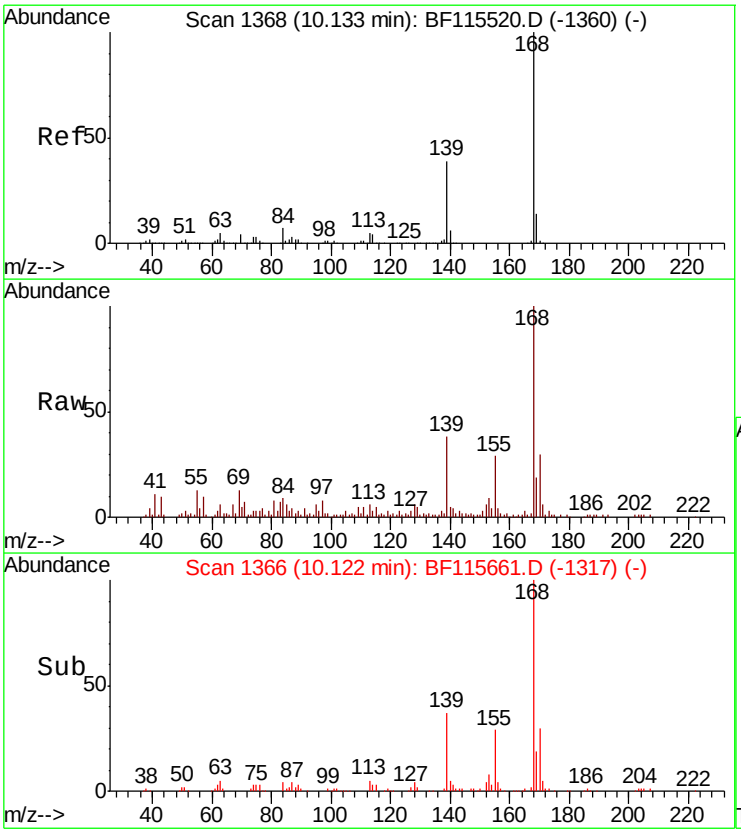
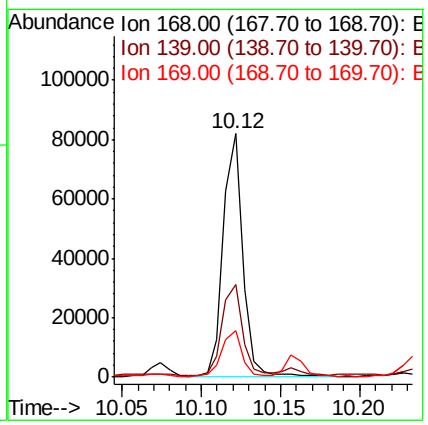
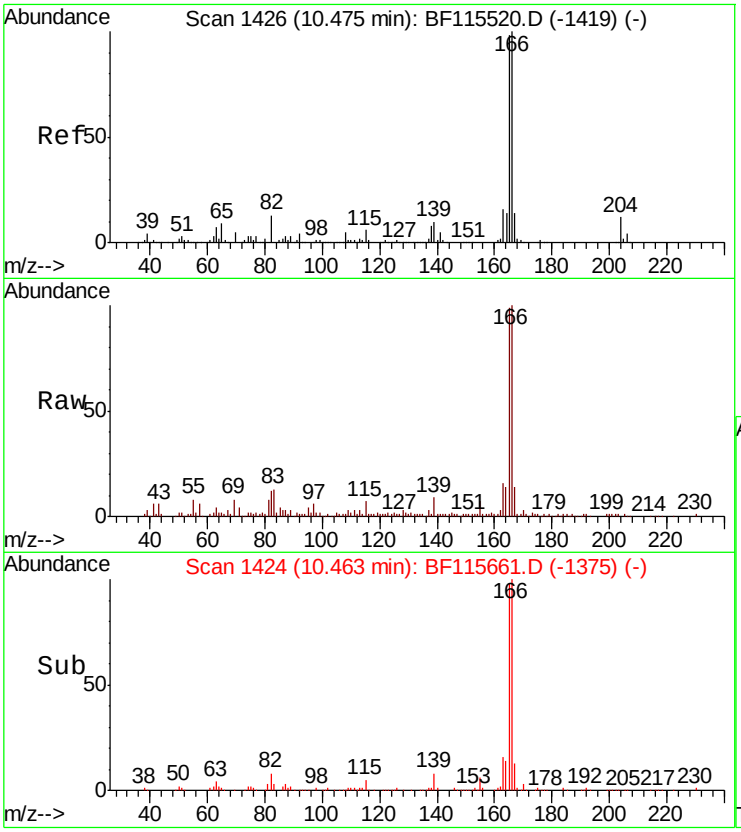


#55
Dibenzofuran
Concen: 3.077 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:168 Resp: 70867

Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.1	46.7
169	19.2	11.1	16.7#

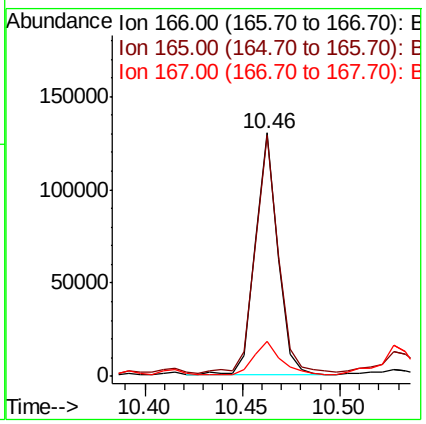




#58
Fluorene
Concen: 6.212 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:166 Resp: 102265

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.6
167	14.3	11.2	16.8



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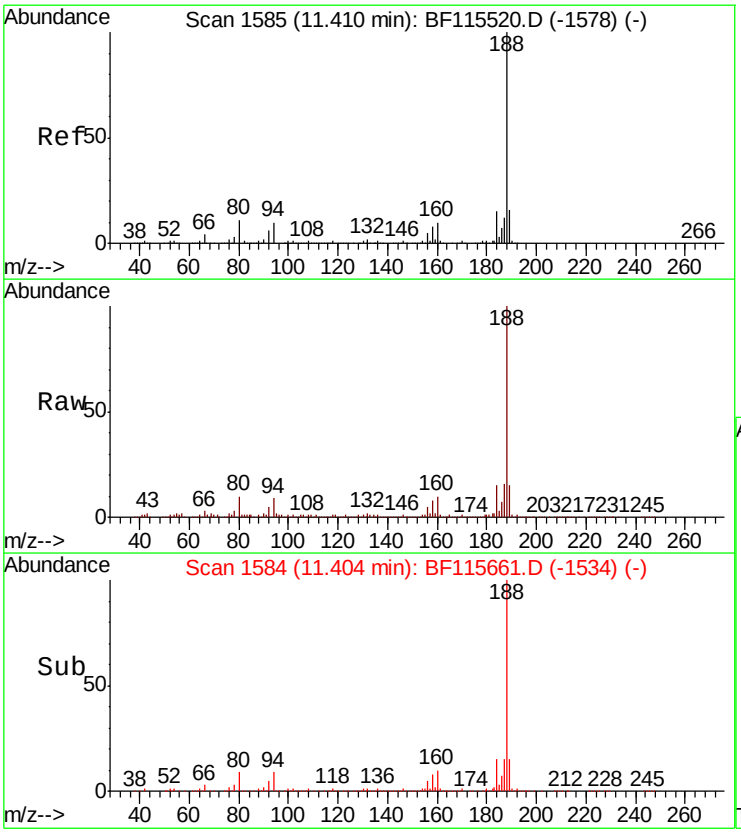
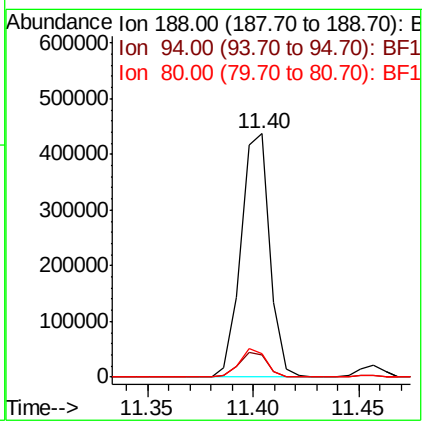
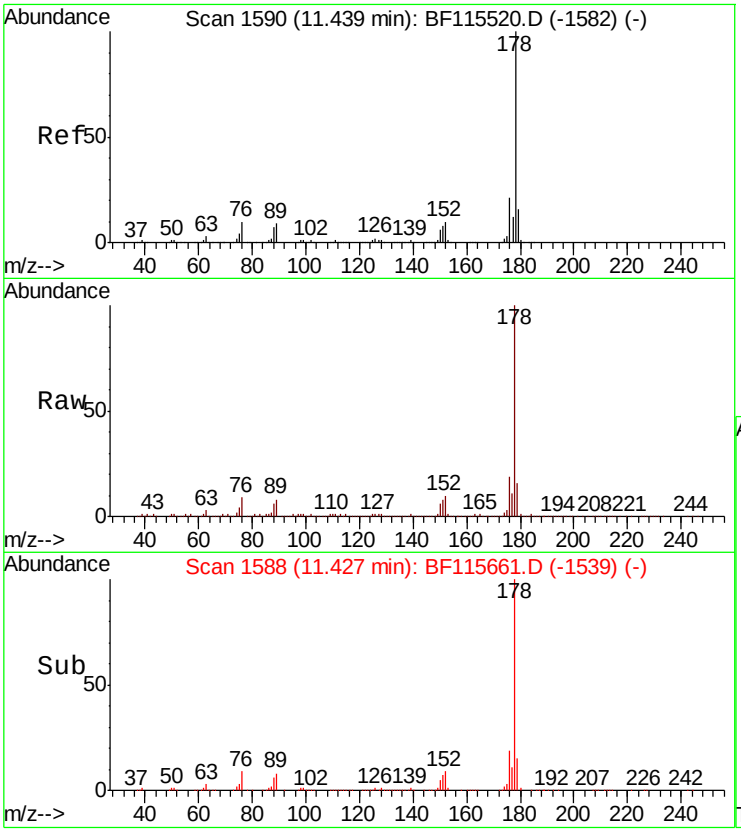


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:188 Resp: 412174

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.8	11.6
80	9.6	8.6	13.0

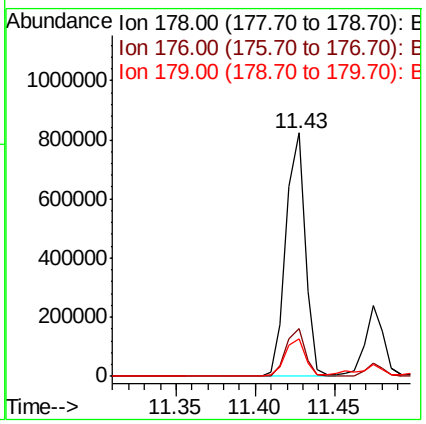




#71
Phenanthrene
Concen: 33.046 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:178 Resp: 698183

Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.6	13.5	20.3



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

Manual Integrations APPROVED
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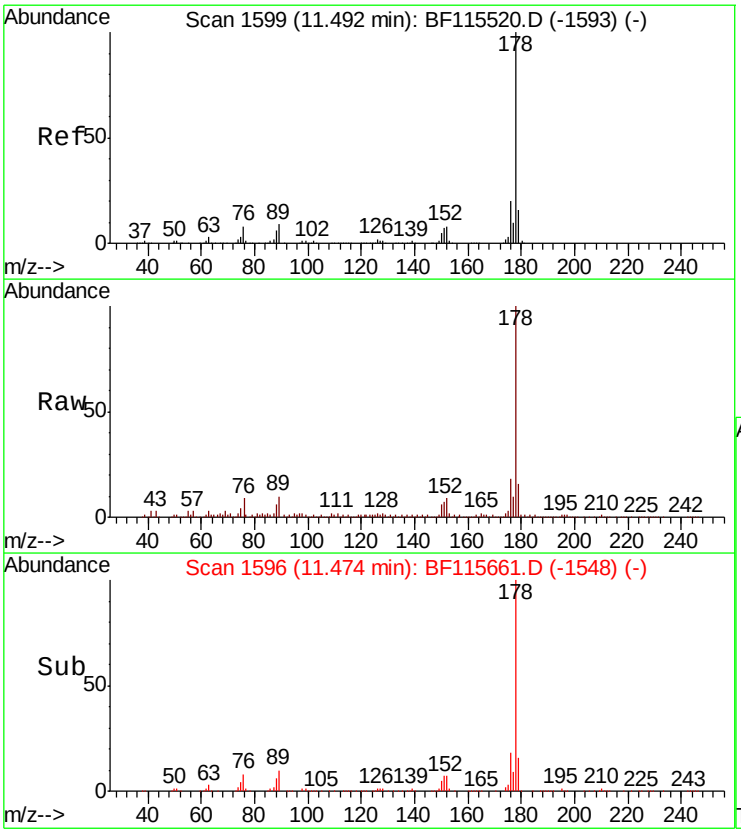
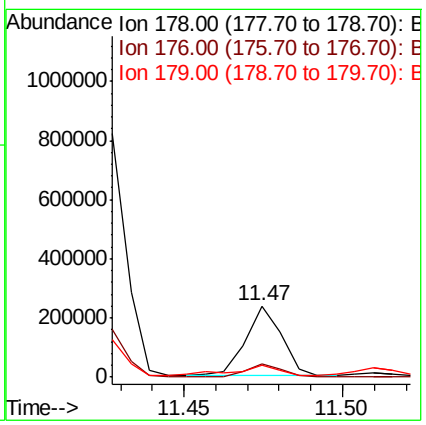
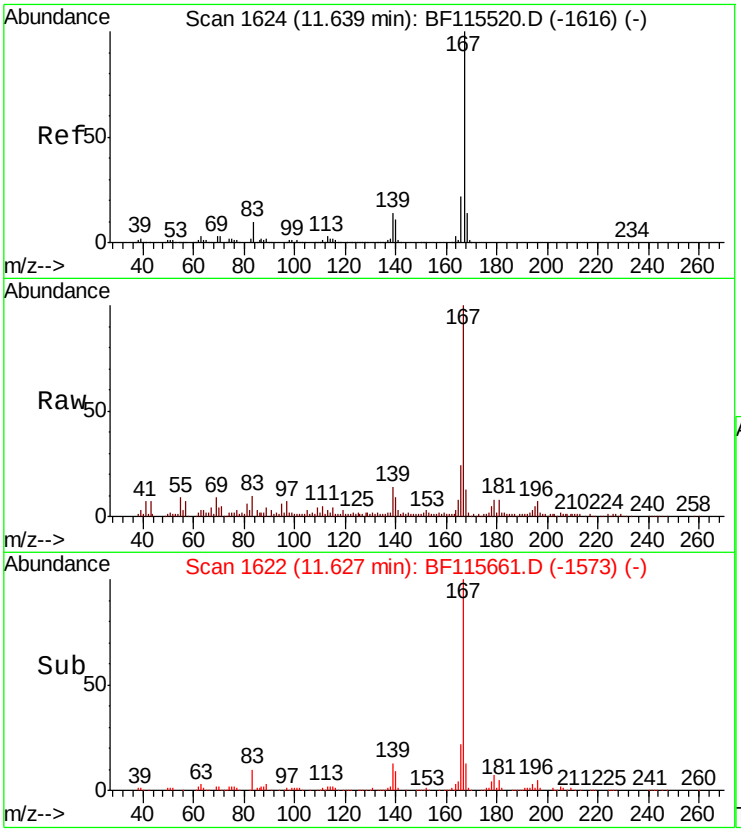


#72
Anthracene
Concen: 8.578 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:178 Resp: 187289

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	16.0	12.7	19.1

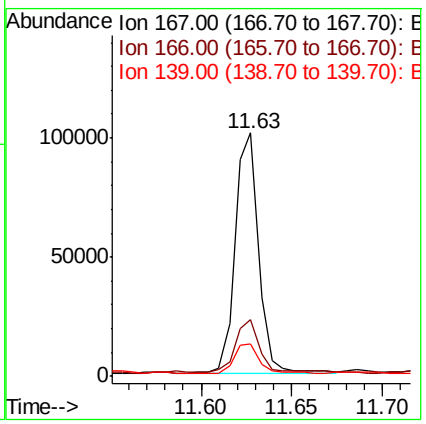




#73
Carbazole
Concen: 4.768 ng
RT: 11.63 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:167 Resp: 91289

Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.1	27.1
139	13.5	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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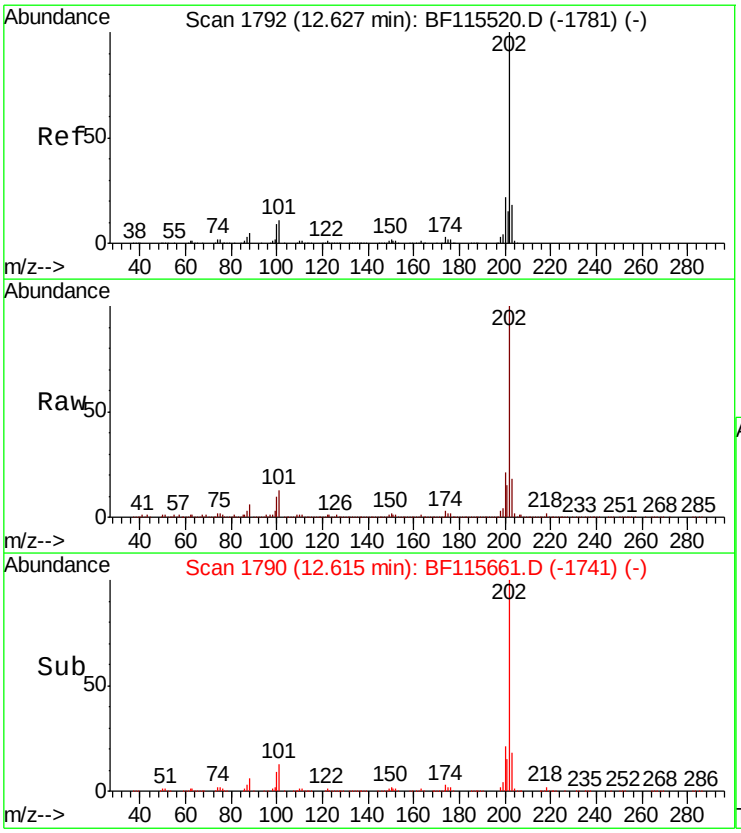
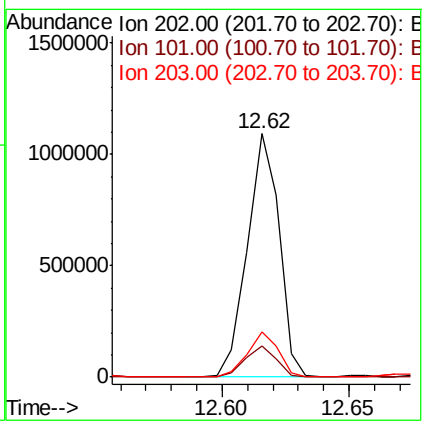
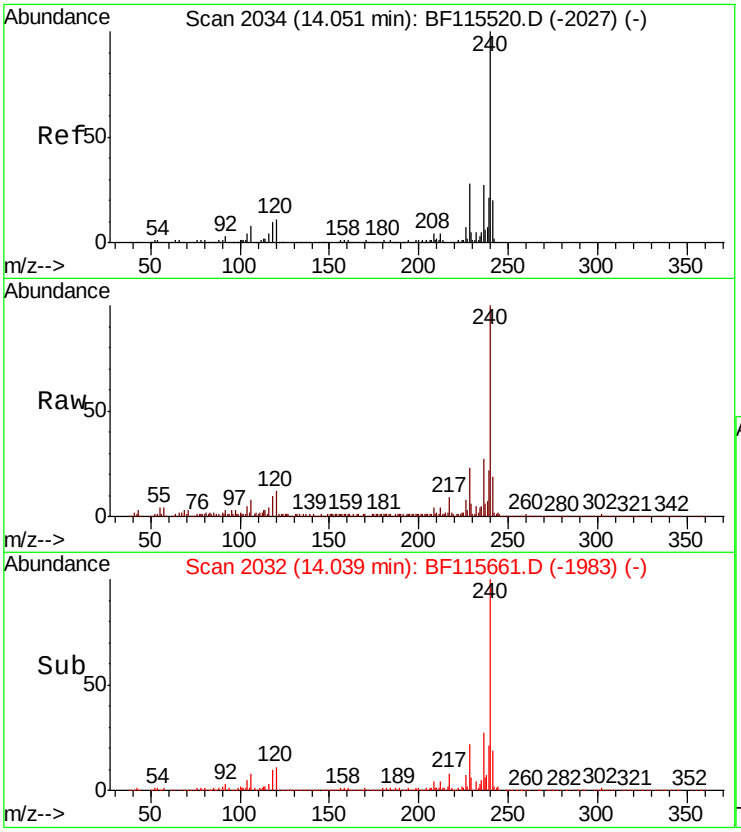


#75
Fluoranthene
Concen: 42.804 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:202 Resp: 955649

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.4
203	18.4	0.0	38.1

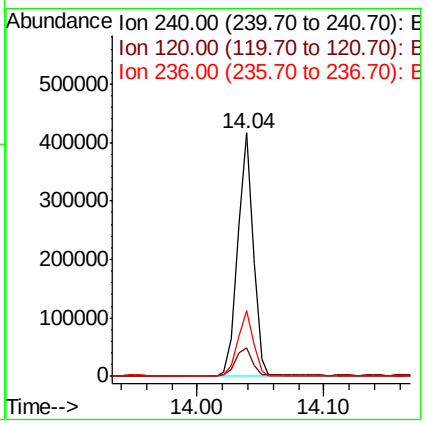




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:240 Resp: 344509

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.6	13.0
236	26.8	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
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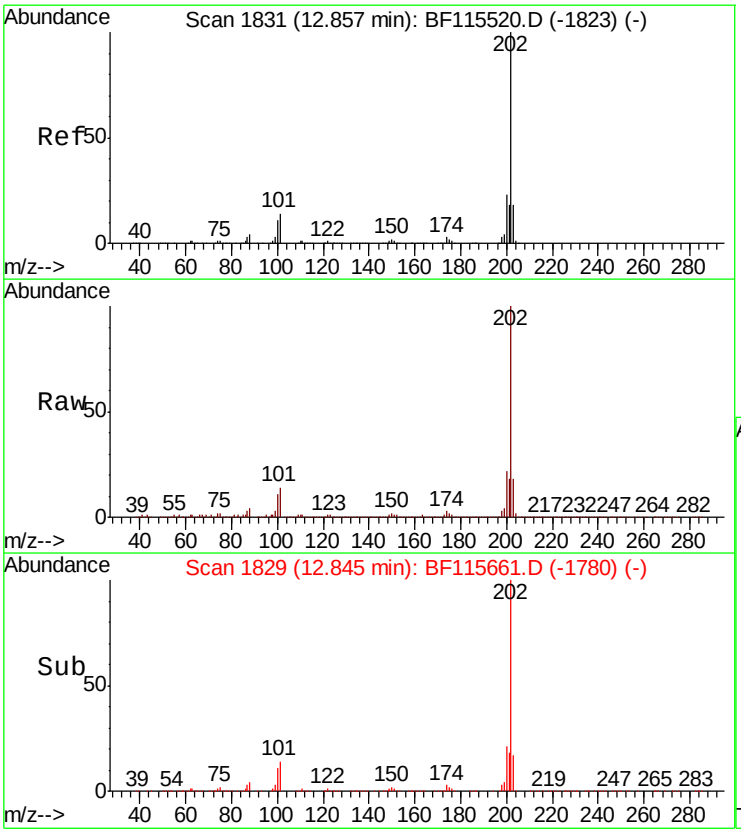
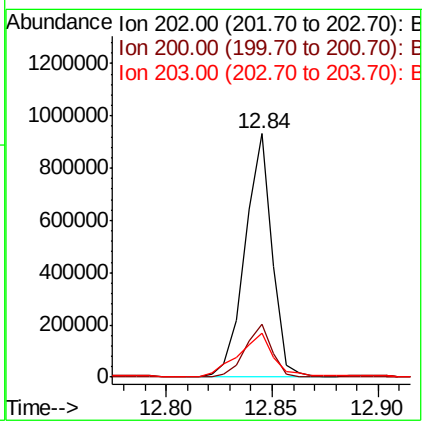
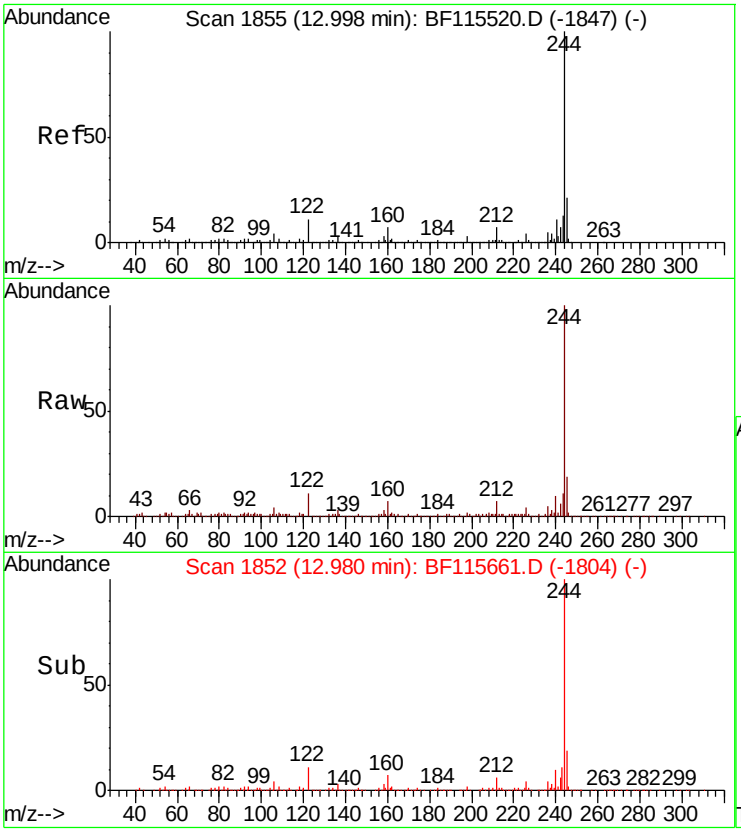


#78
Pyrene
Concen: 28.210 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:202 Resp: 823410

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.7	28.1
203	18.1	15.2	22.8

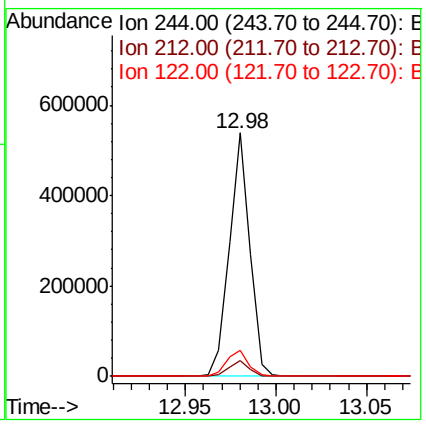




#79
Terphenyl-d14
Concen: 22.761 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:244 Resp: 424969

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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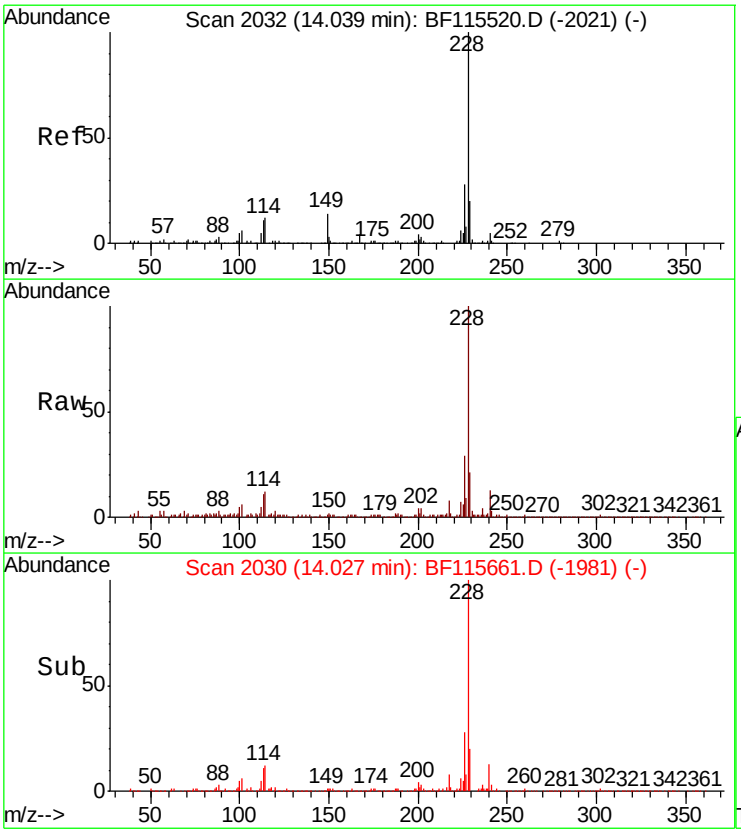
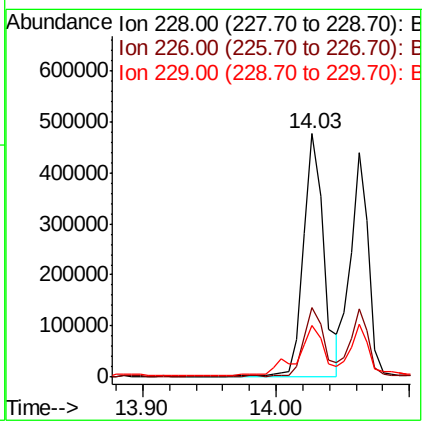
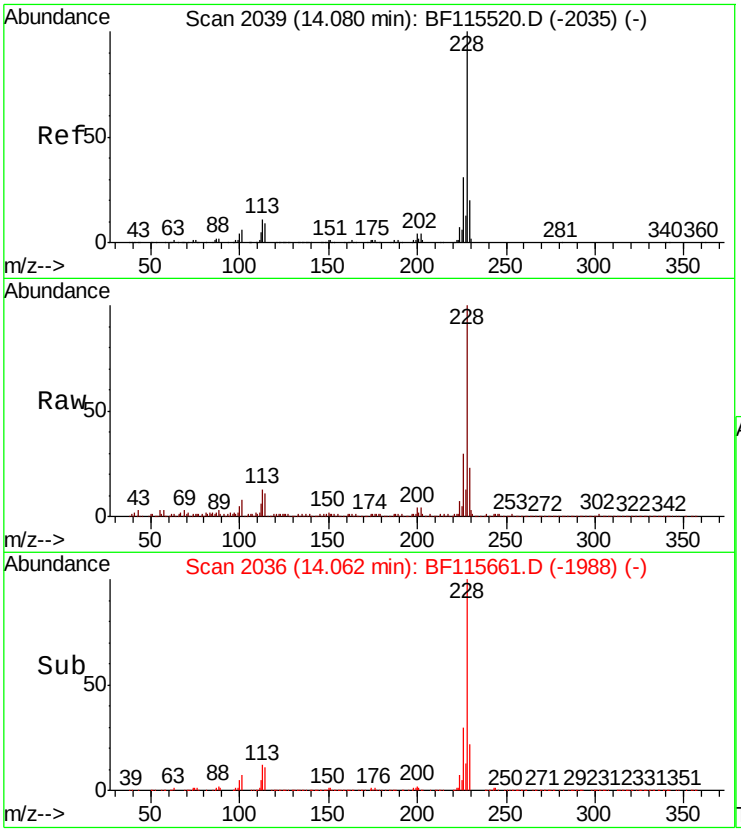


#81
Benzo(a)anthracene
Concen: 21.490 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:228 Resp: 487737

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.0
229	21.2	17.2	25.8

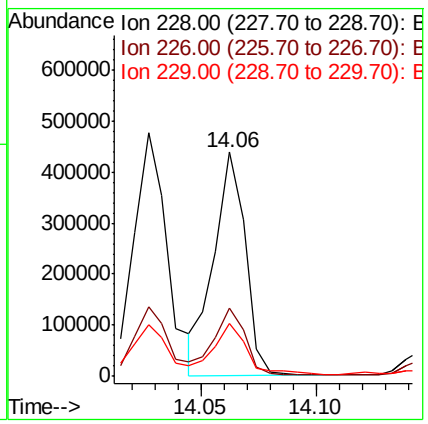




#83
Chrysene
Concen: 18.176 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:228 Resp: 414122

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	23.5	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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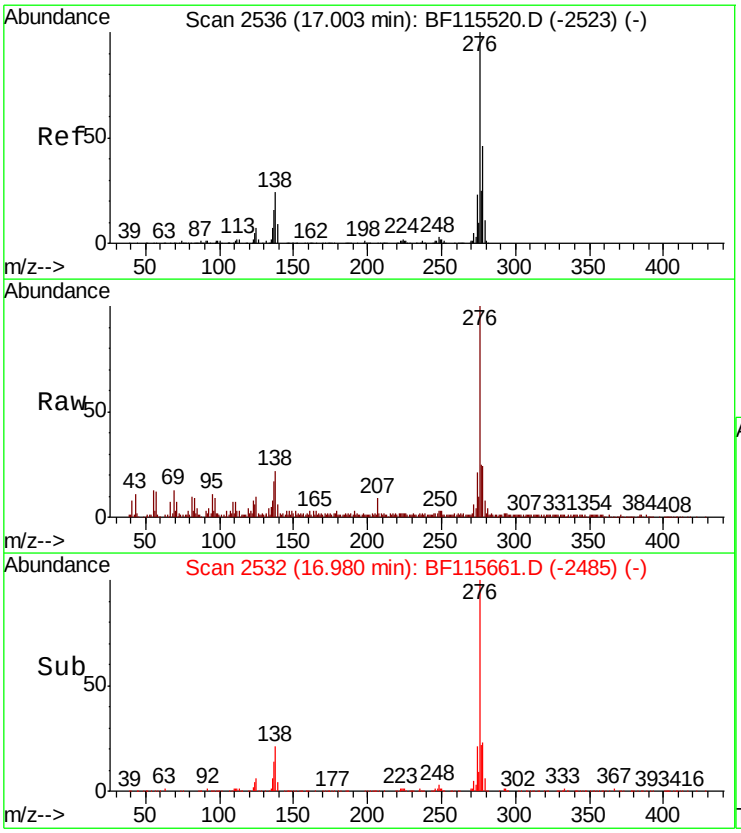
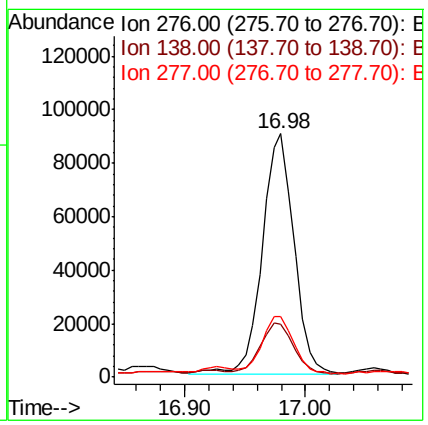
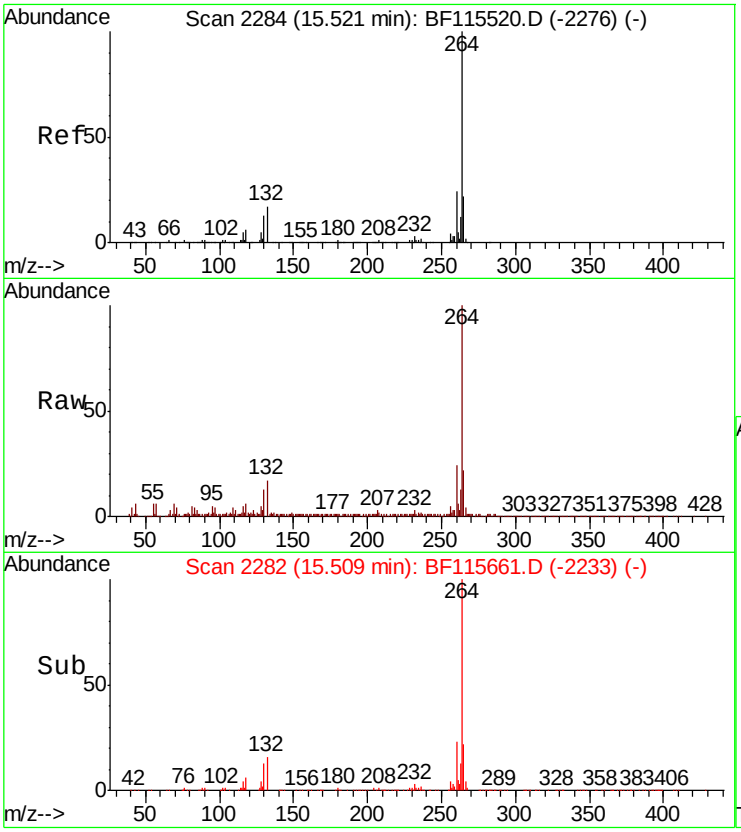


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.395 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:276 Resp: 162493

Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.2	30.2
277	23.5	20.4	30.6

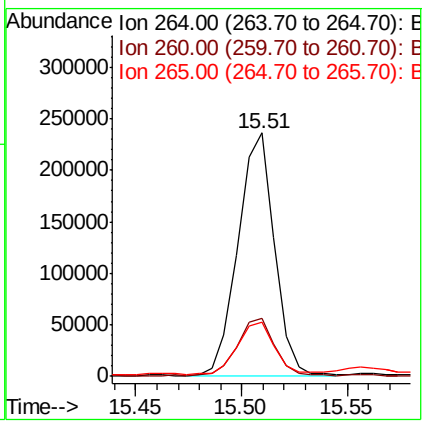




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:264 Resp: 280379

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.8	29.8
265	22.3	17.7	26.5



Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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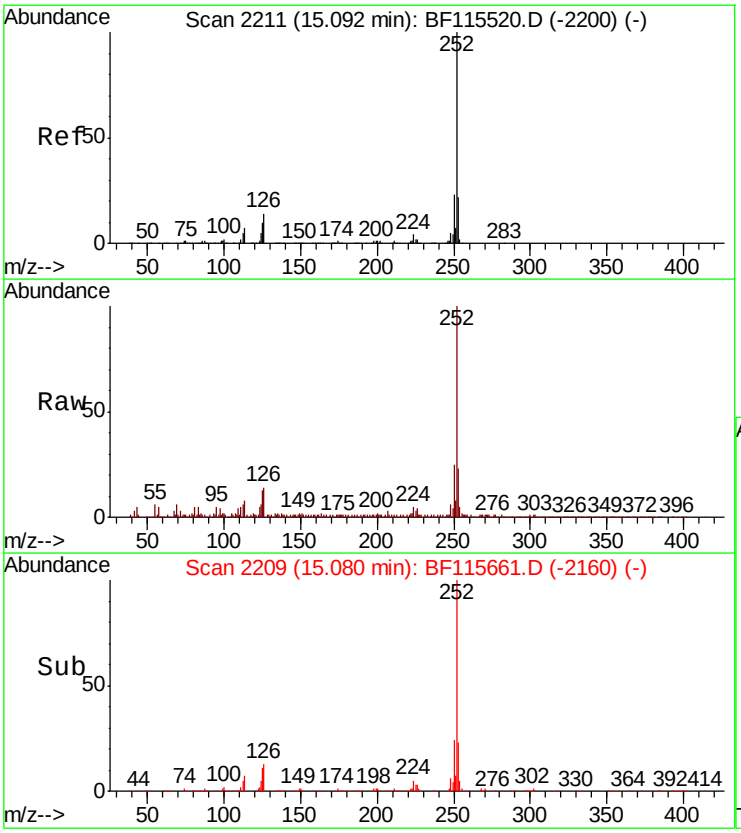
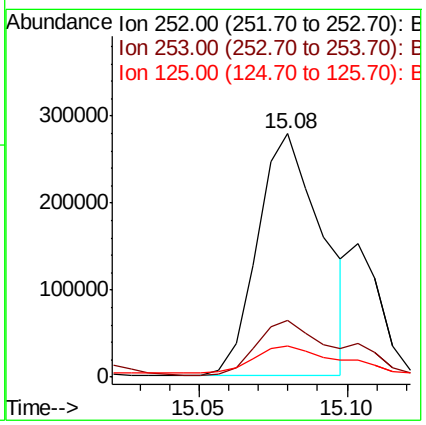
7/19/2019 3:58:52 PM

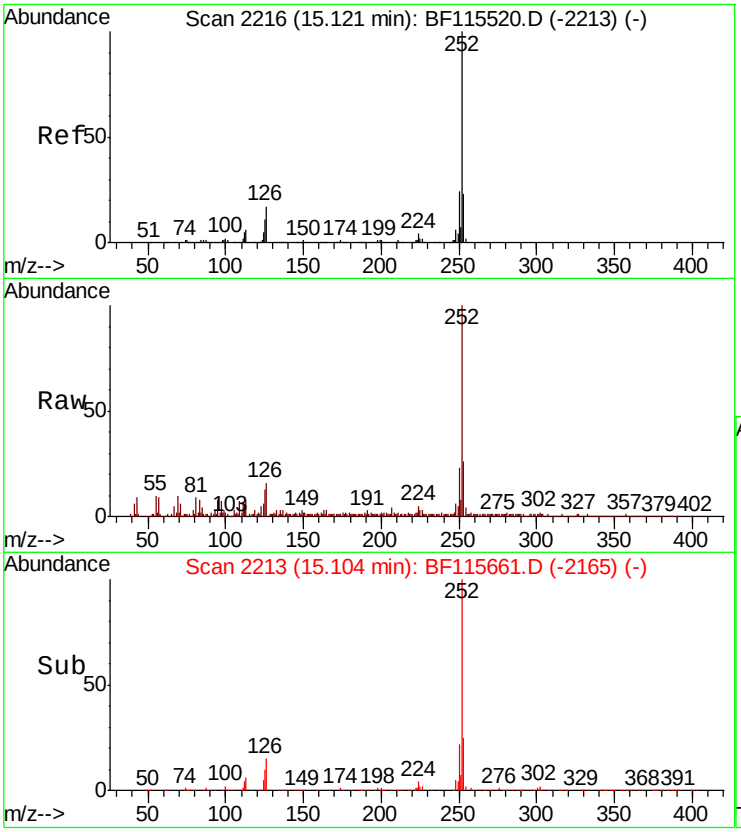


#88
Benzo(b)fluoranthene
Concen: 23.494 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:252 Resp: 424164

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.7	9.0	13.4

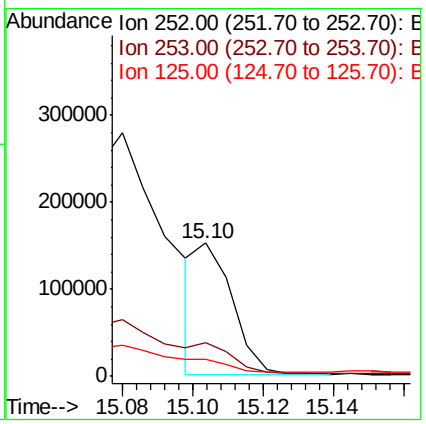




#89
Benzo(k)fluoranthene
Concen: 6.758 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:252 Resp: 108782

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	28.0
125	13.2	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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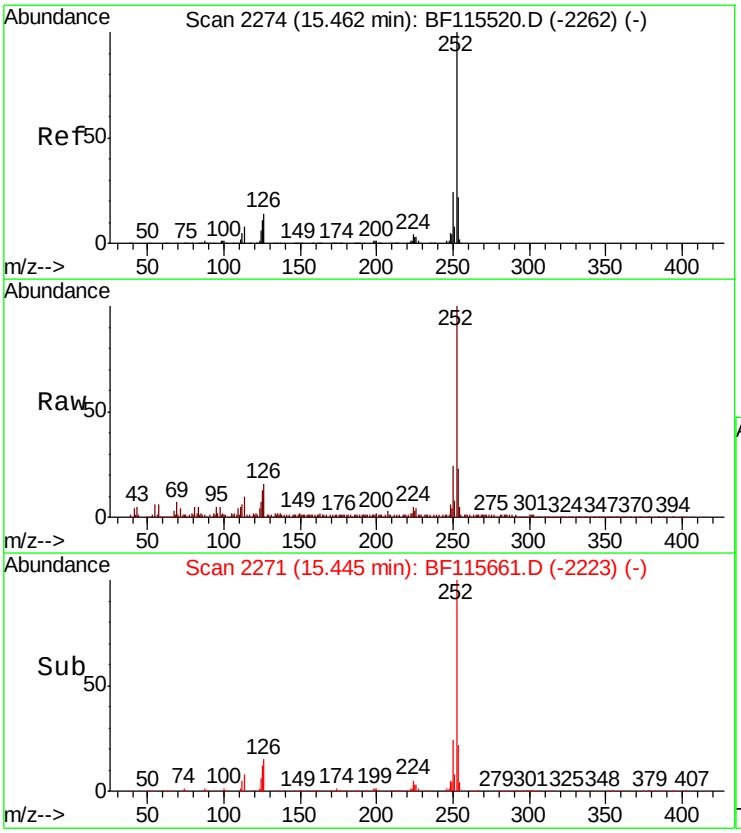
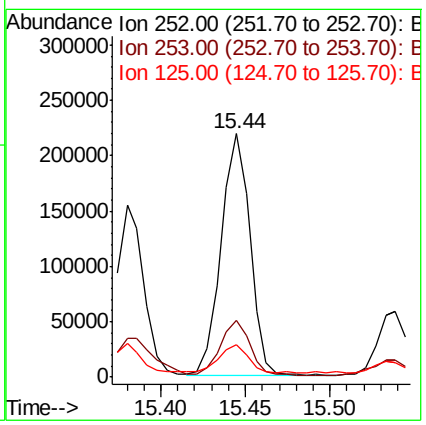
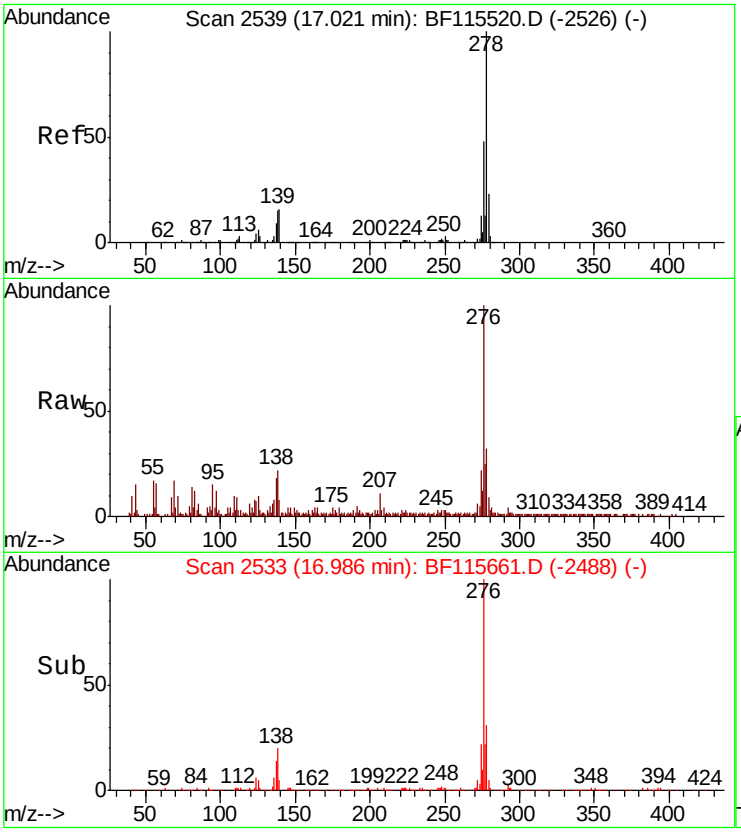


#90
Benzo(a)pyrene
Concen: 16.741 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:252 Resp: 259772

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.5	9.1	13.7





#91
Dibenzo(a,h)anthracene
Concen: 3.367 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:278 Resp: 45870

Ion	Ratio	Lower	Upper
278	100		
139	25.5	13.1	19.7#
279	28.0	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
HJDC-S2

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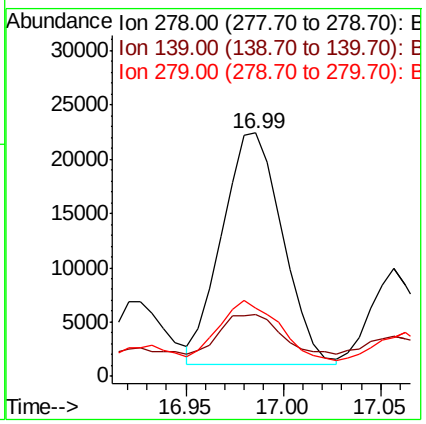
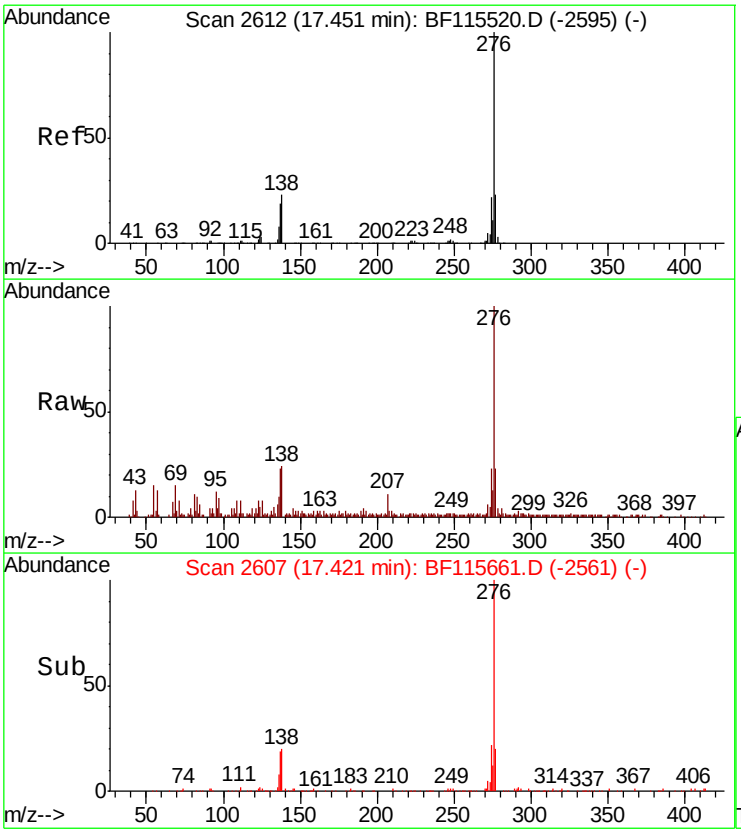
7/19/2019 3:58:52 PM





#92
Benzo(g,h,i)perylene
Concen: 10.322 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.03 min
Lab File: BF115661.D
Acq: 18 Jul 2019 23:12

Tgt Ion:276 Resp: 140242

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	24.2	17.2	25.8