Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
Data File : BF115714.D
Acq On : 22 Jul 2019 17:26
Operator : HP/JU
Sample : K3887-01DL 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Manual Integrations APPROVED
mohammad
7/23/2019 4:24:35 PM

Quant Time: Jul 23 04:22:57 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	6.88	152	140616	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	549909	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	254244	20.00	ng		-0.01
64) Phenanthrene-d10	11.40	188	401009	20.00	ng		0.00
76) Chrysene-d12	14.05	240	348026	20.00	ng		0.00
87) Perylene-d12	15.53	264	345239	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	61847	7.19	ng		0.00
7) Phenol-d6	6.50	99	87760	8.05	ng		-0.01
23) Nitrobenzene-d5	7.43	82	48287	5.11	ng		-0.02
42) 2,4,6-Tribromophenol	10.70	330	17923	6.04	ng		-0.01
45) 2-Fluorobiphenyl	9.23	172	80791	5.56	ng		-0.02
79) Terphenyl-d14	12.99	244	69517	3.69	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.19	128	169761	6.374	ng		96
37) 2-Methylnaphthalene	8.87	142	117909m	6.679	ng		
38) 1-Methylnaphthalene	8.97	142	92868	5.538	ng	#	97
49) Acenaphthylene	9.78	152	408376	16.652	ng		96
52) Acenaphthene	9.95	154	35307	2.230	ng		96
58) Fluorene	10.46	166	111723	6.951	ng		100
71) Phenanthrene	11.43	178	805845	39.204	ng		98
72) Anthracene	11.48	178	291465	13.720	ng		98
75) Fluoranthene	12.62	202	871846	40.137	ng		99
78) Pyrene	12.86	202	1450338	49.187	ng		98
81) Benzo(a)anthracene	14.04	228	715929m	31.225	ng		
83) Chrysene	14.07	228	670199	29.118	ng		98
86) Indeno(1,2,3-cd)pyrene	17.01	276	169288	8.657	ng		97
88) Benzo(b)fluoranthene	15.10	252	551970m	24.829	ng		
89) Benzo(k)fluoranthene	15.12	252	127670m	6.442	ng		
90) Benzo(a)pyrene	15.46	252	411304	21.526	ng		98
91) Dibenzo(a,h)anthracene	17.02	278	55290	3.296	ng	#	92
92) Benzo(g,h,i)perylene	17.46	276	170270	10.178	ng		97

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

Quantitation Report (QT Reviewed)

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BNA_F
ClientSampleId :
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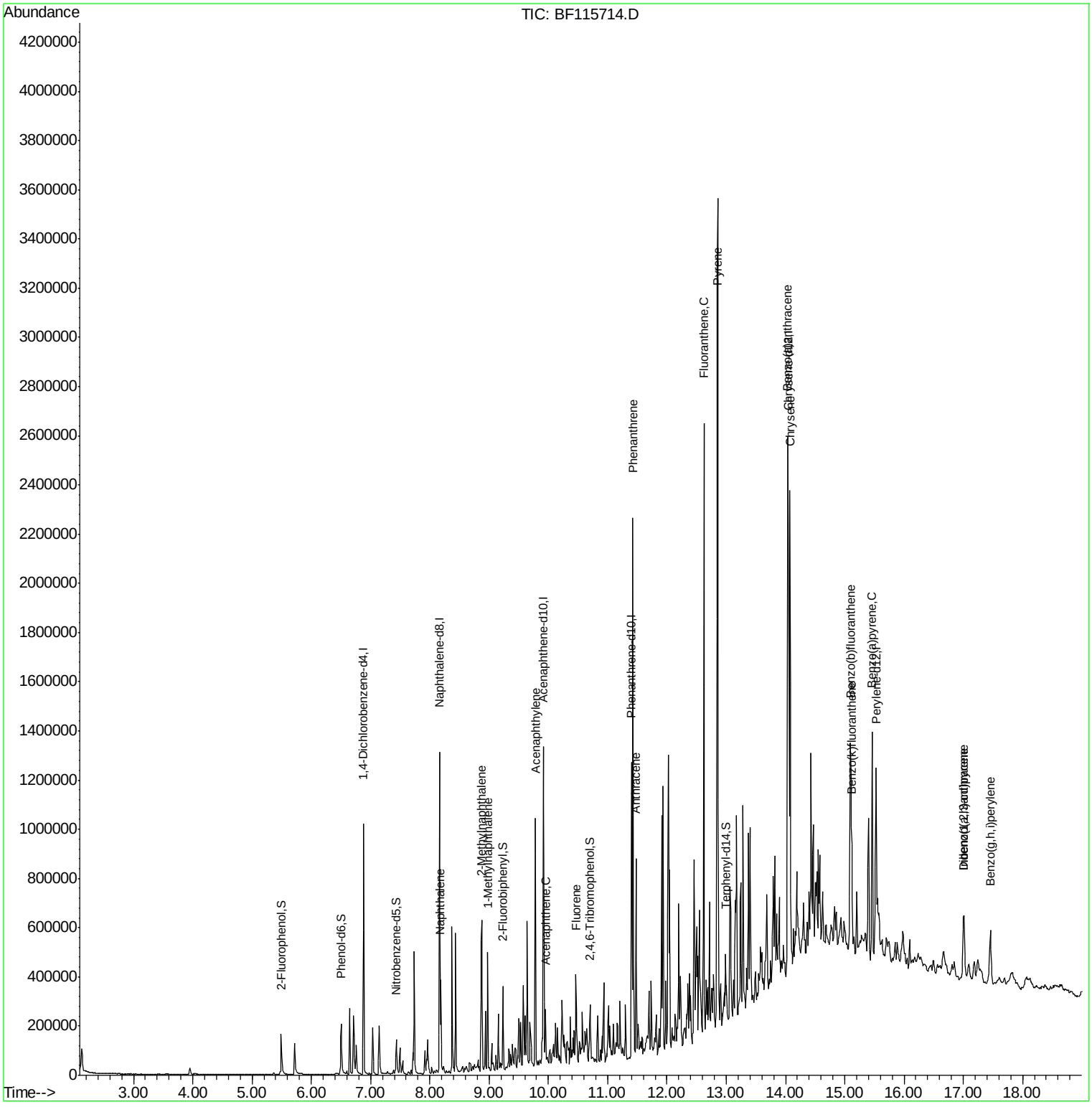
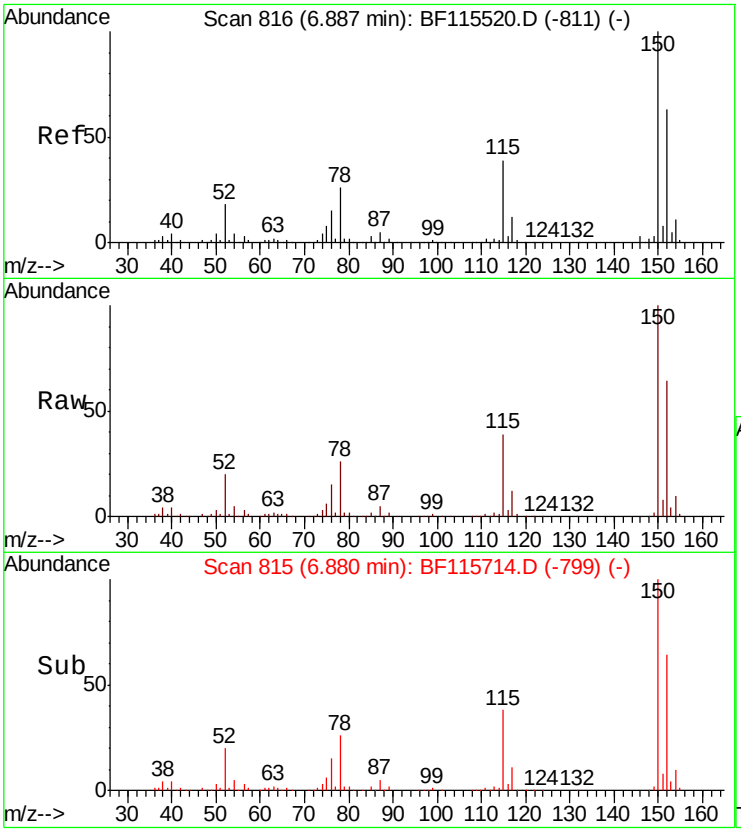
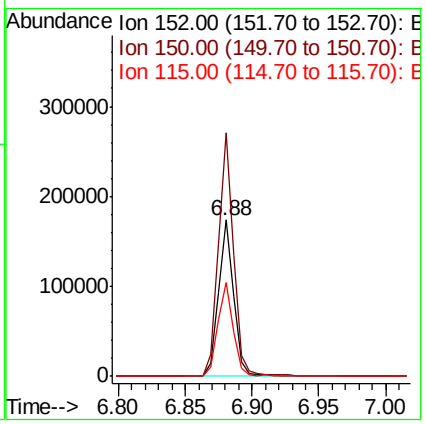




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:152 Resp: 140616

Ion	Ratio	Lower	Upper
152	100		
150	156.1	129.7	194.5
115	60.4	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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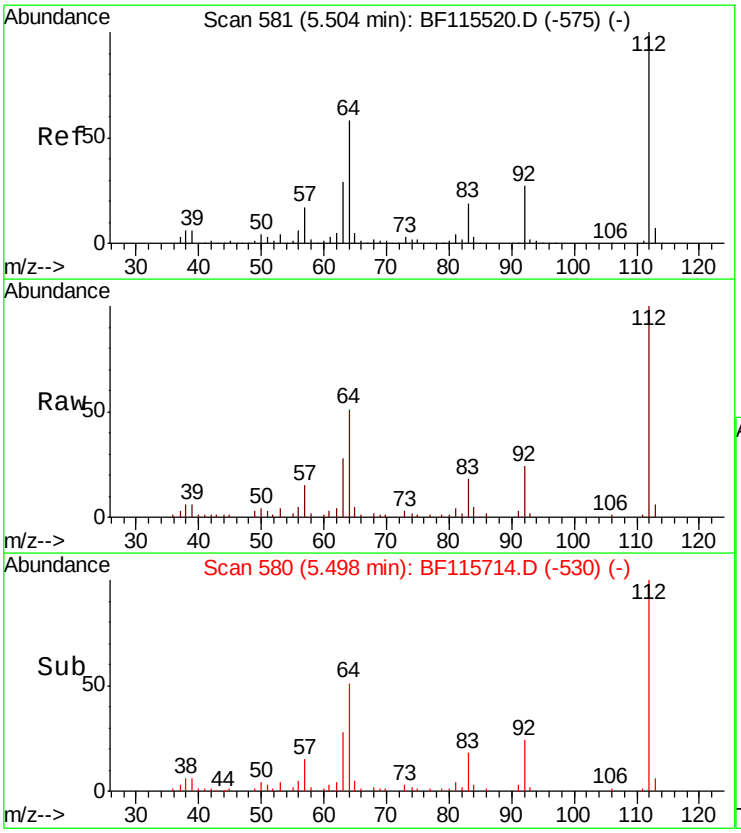
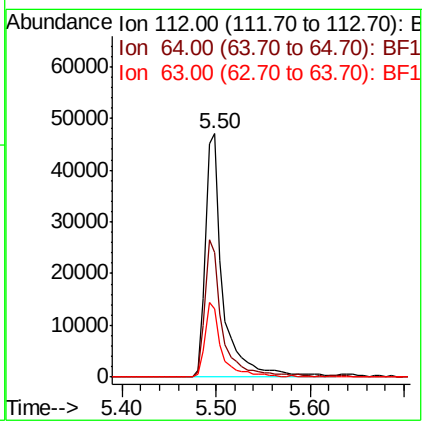
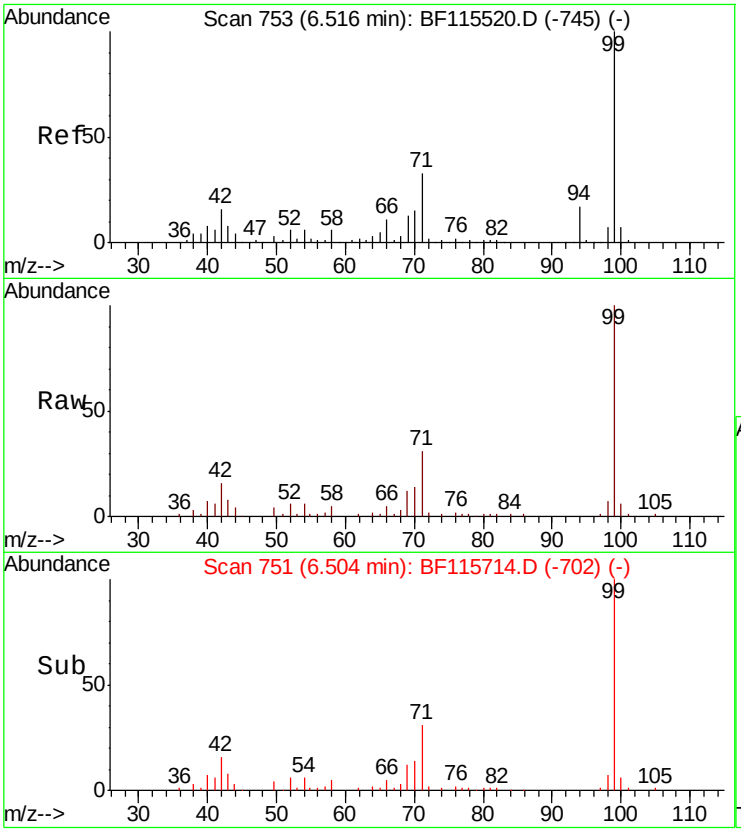


#5
2-Fluorophenol
Concen: 7.194 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:112 Resp: 61847

Ion	Ratio	Lower	Upper
112	100		
64	51.4	46.8	70.2
63	28.1	24.1	36.1

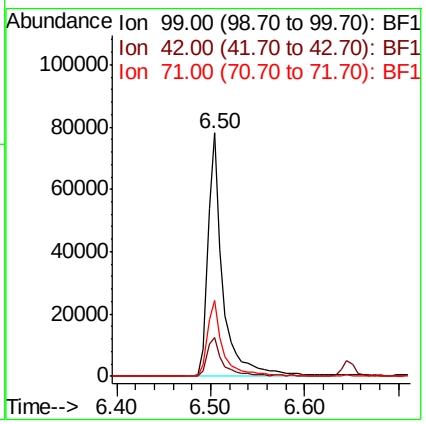




#7
Phenol-d6
Concen: 8.045 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion: 99 Resp: 87760

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.6	20.4
71	31.1	28.5	42.7



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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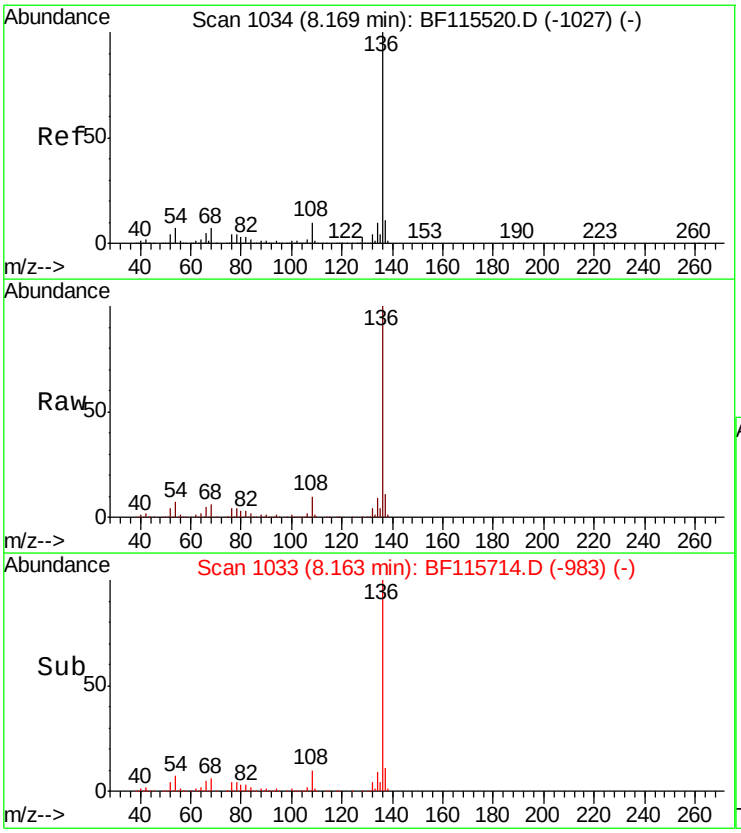
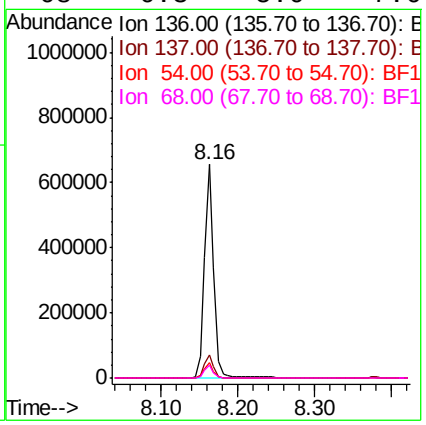
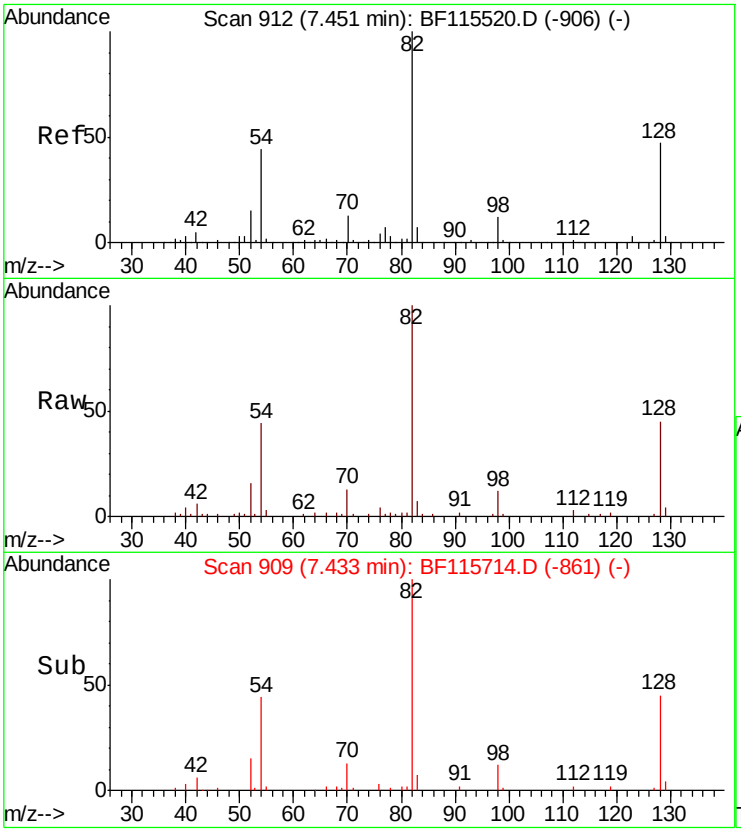


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:136 Resp: 549909

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.0	5.6	8.4
68	6.3	5.0	7.6

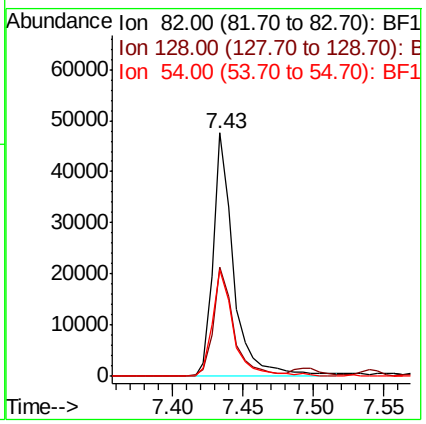




#23
Nitrobenzene-d5
Concen: 5.106 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion: 82 Resp: 48287

Ion	Ratio	Lower	Upper
82	100		
128	45.1	38.6	57.8
54	43.7	35.6	53.4



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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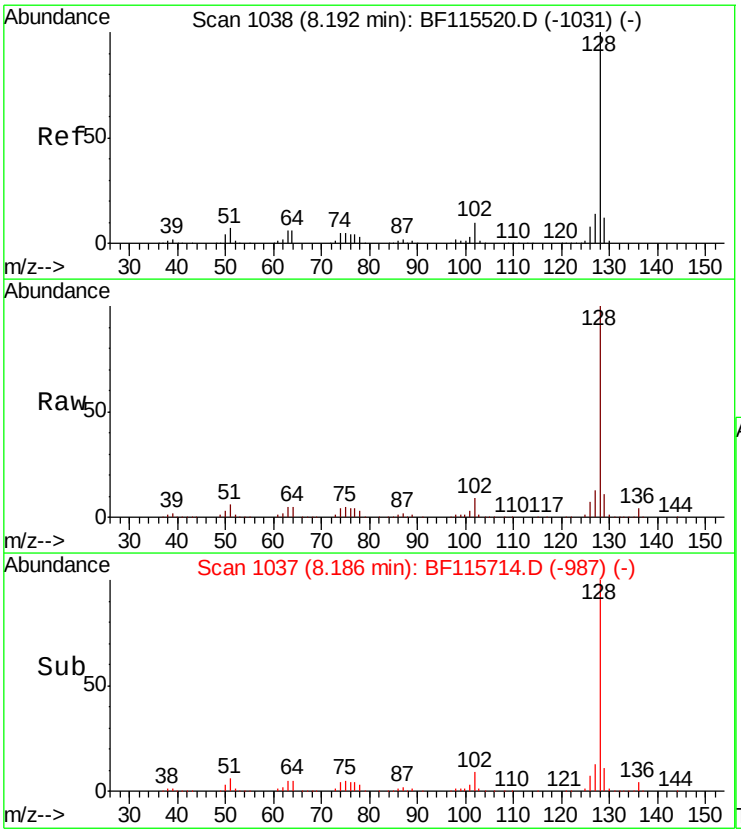
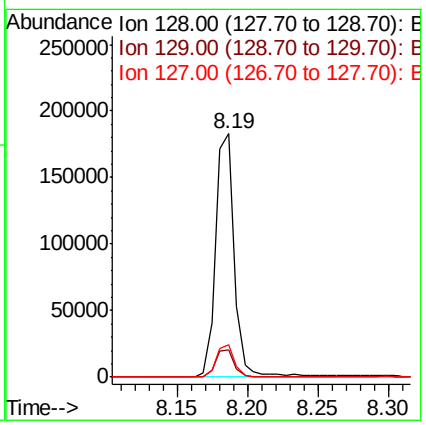
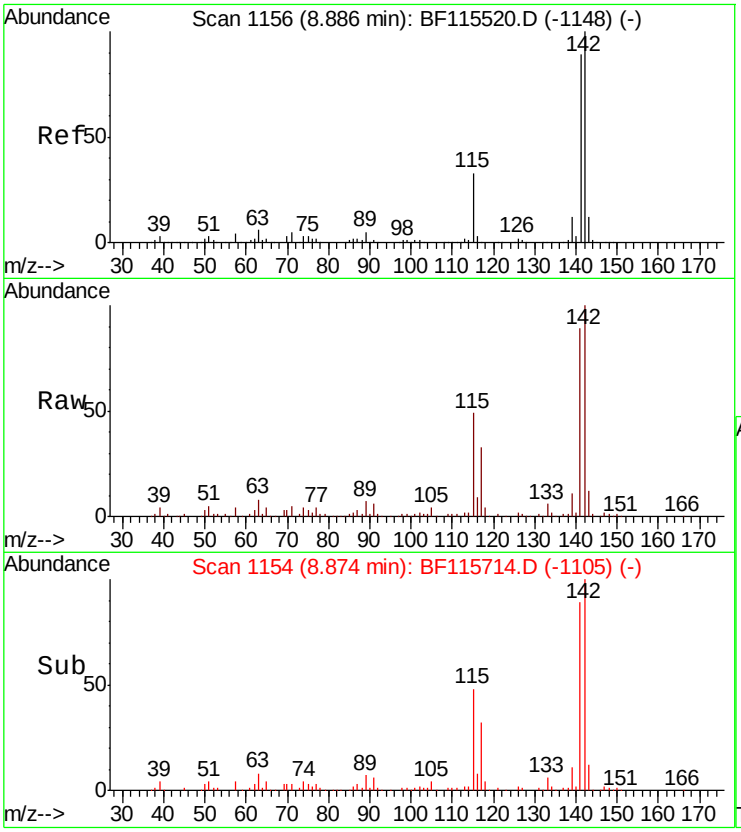


#31
Naphthalene
Concen: 6.374 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:128 Resp: 169761

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.9	14.9
127	13.1	12.1	18.1

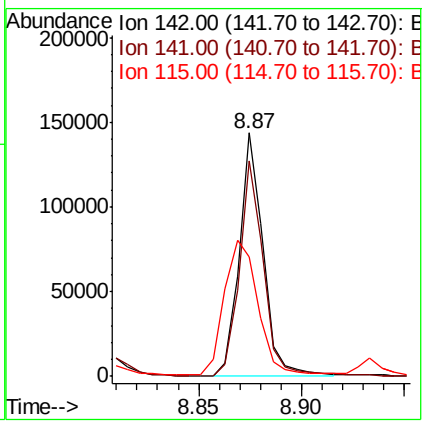




#37
2-Methylnaphthalene
Concen: 6.679 ng m
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:142 Resp: 117909

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.0	108.0
115	49.0	29.9	44.9#



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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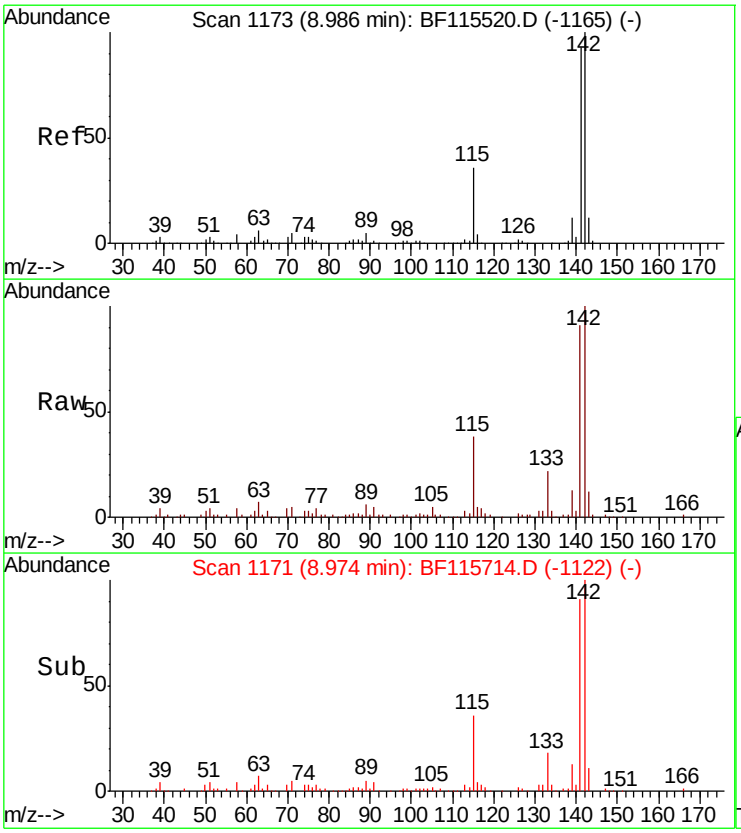
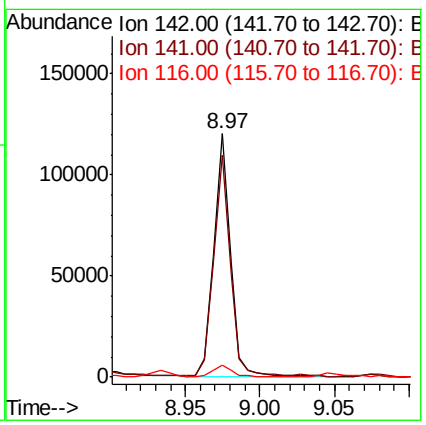
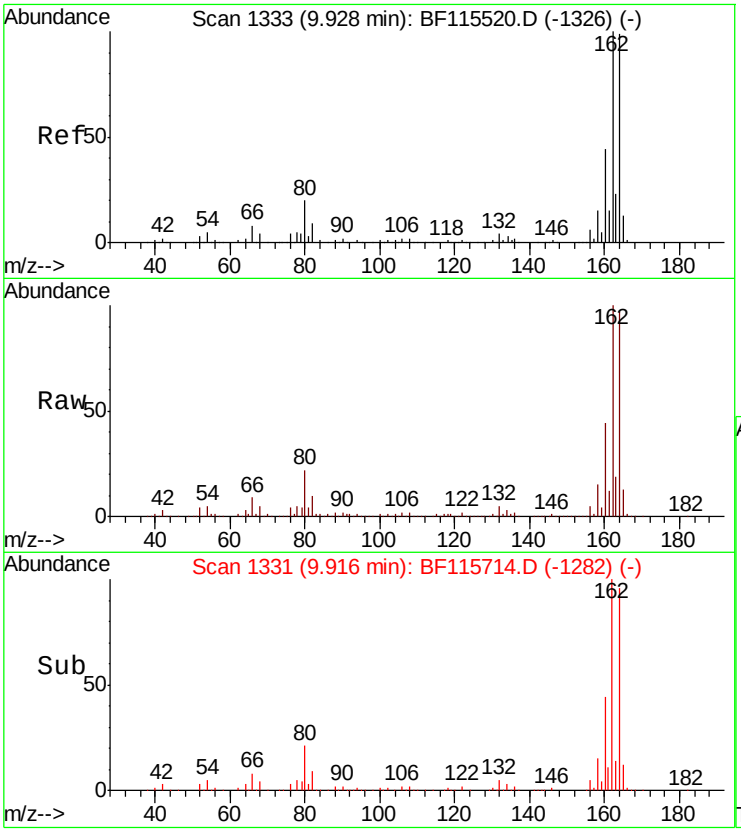


#38
1-Methylnaphthalene
Concen: 5.538 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:142 Resp: 92868

Ion	Ratio	Lower	Upper
142	100		
141	91.3	75.3	112.9
116	5.1	3.3	4.9#

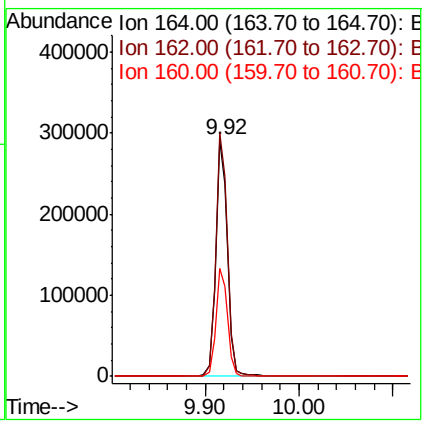




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:164 Resp: 254244

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.9	124.3
160	45.4	36.8	55.2



Instrument :
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ClientSampleId :
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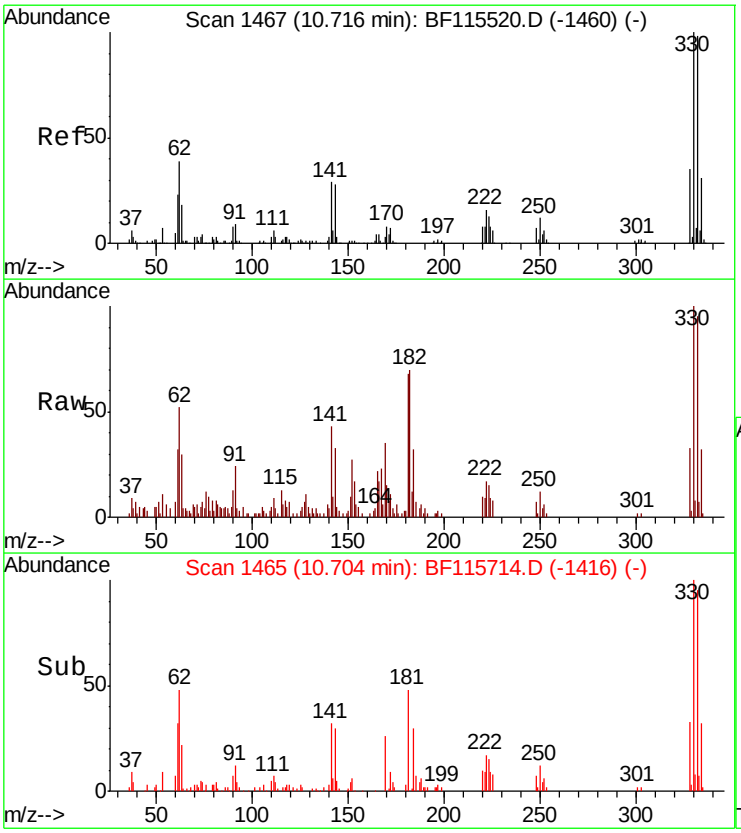
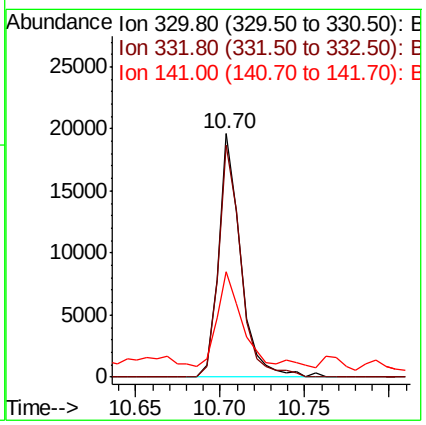
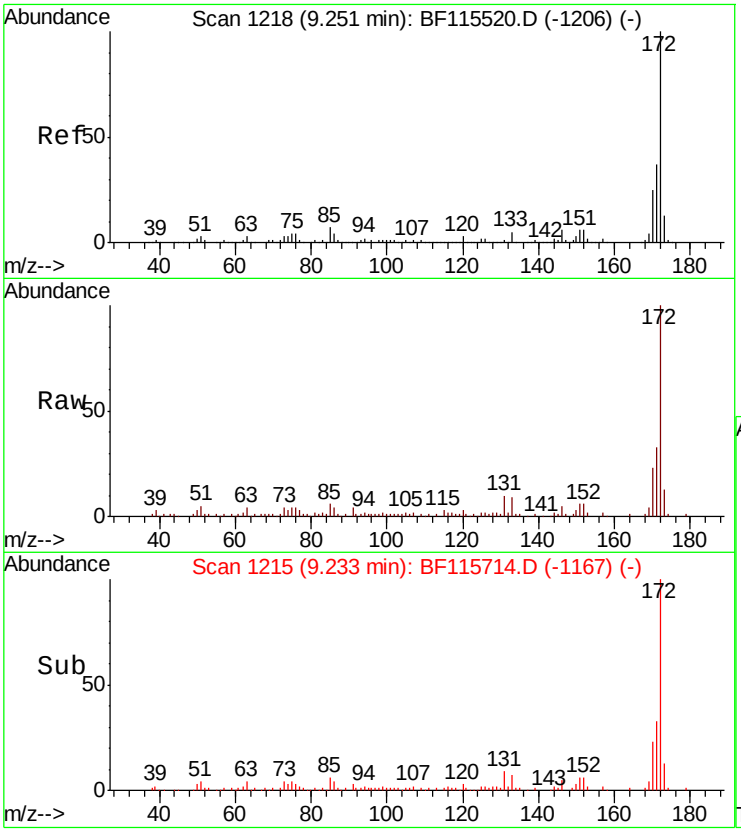


#42
2,4,6-Tribromophenol
Concen: 6.039 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:330 Resp: 17923

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.2
141	45.6	22.4	33.6#

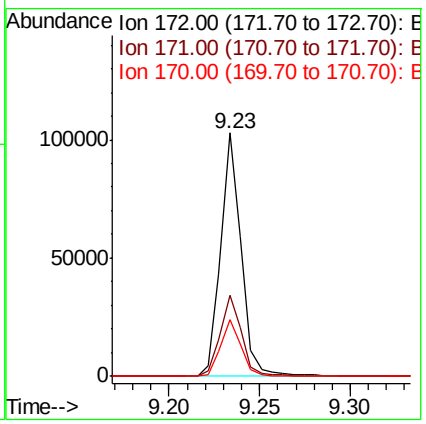




#45
2-Fluorobiphenyl
Concen: 5.562 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:172 Resp: 80791

Ion	Ratio	Lower	Upper
172	100		
171	33.2	30.6	46.0
170	23.5	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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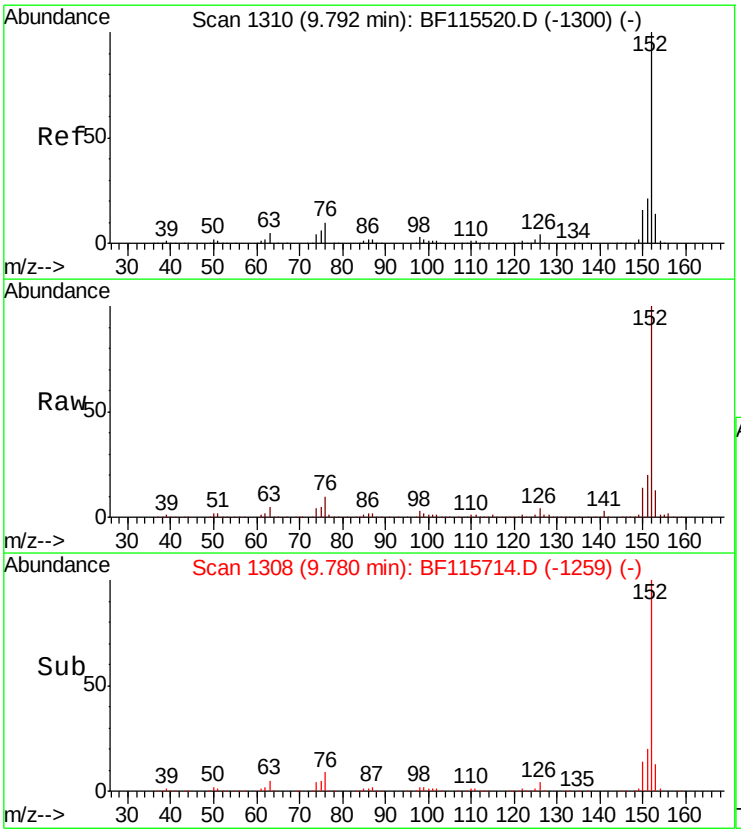
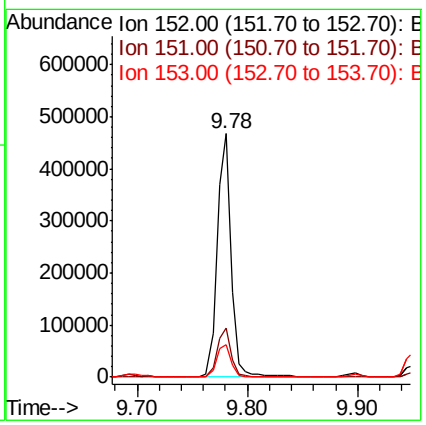
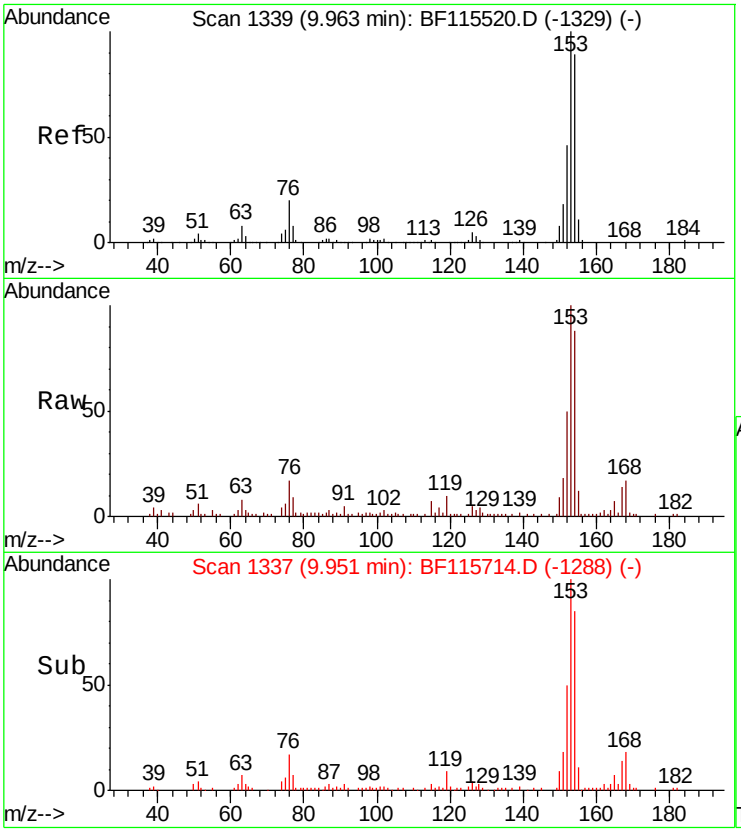


#49
Acenaphthylene
Concen: 16.652 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:152 Resp: 408376

Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.7	26.5
153	13.4	12.0	18.0

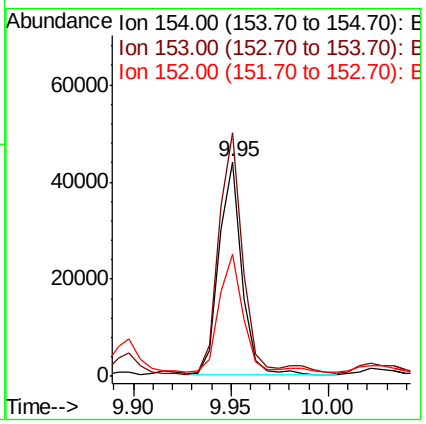




#52
Acenaphthene
Concen: 2.230 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:154 Resp: 35307

Ion	Ratio	Lower	Upper
154	100		
153	113.5	88.6	133.0
152	57.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Manual Integrations APPROVED
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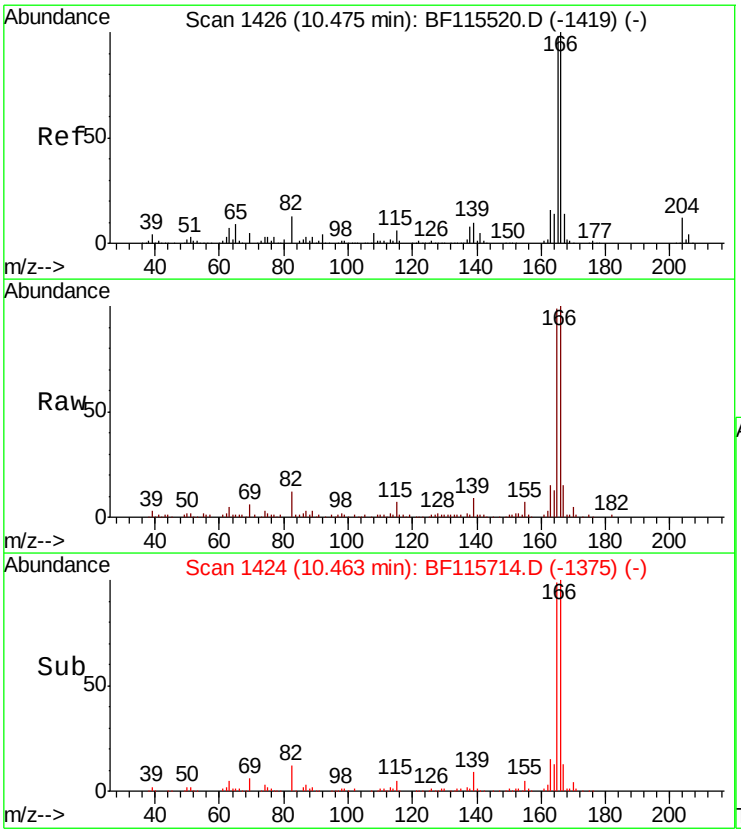
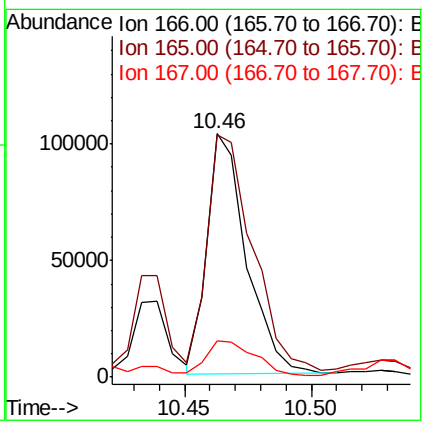
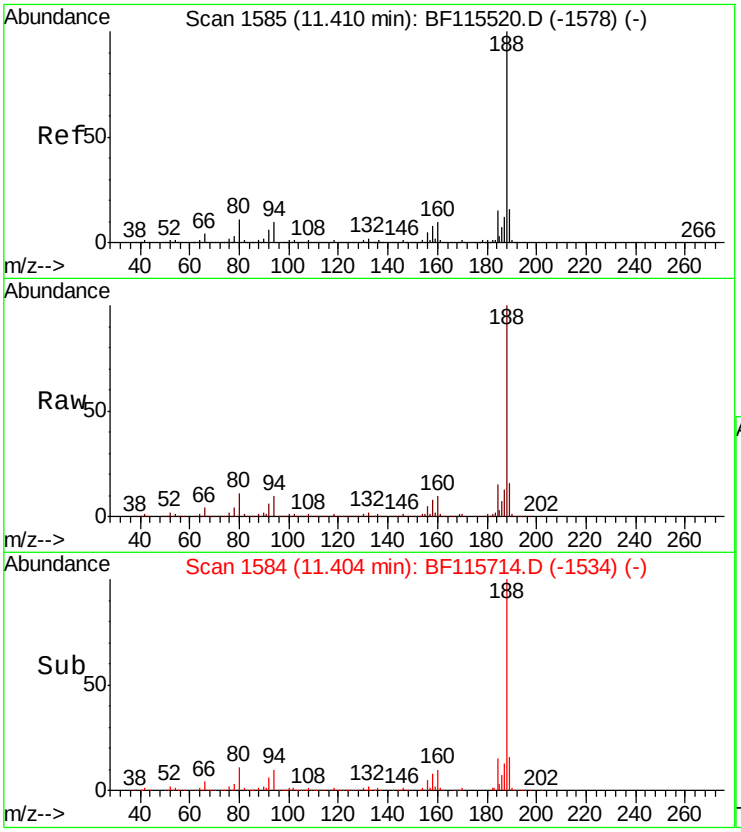


#58
Fluorene
Concen: 6.951 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:166 Resp: 111723

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.6
167	14.7	11.2	16.8

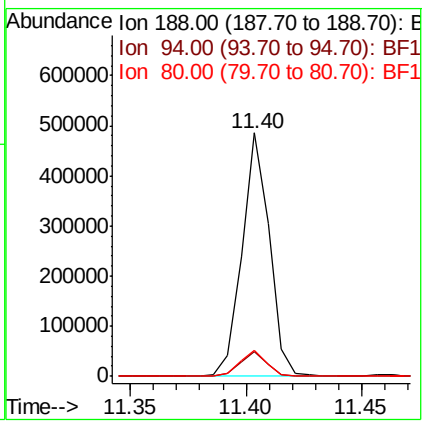




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:188 Resp: 401009

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Manual Integrations APPROVED
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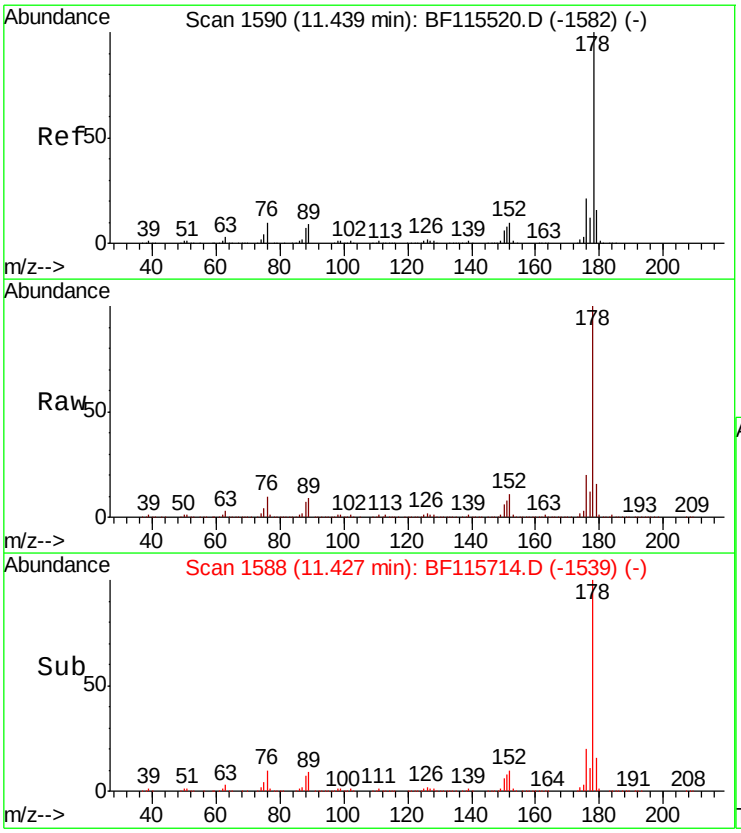
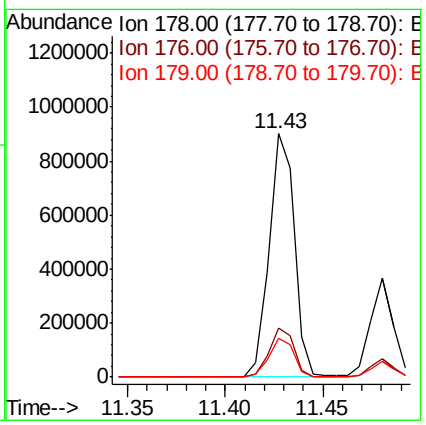
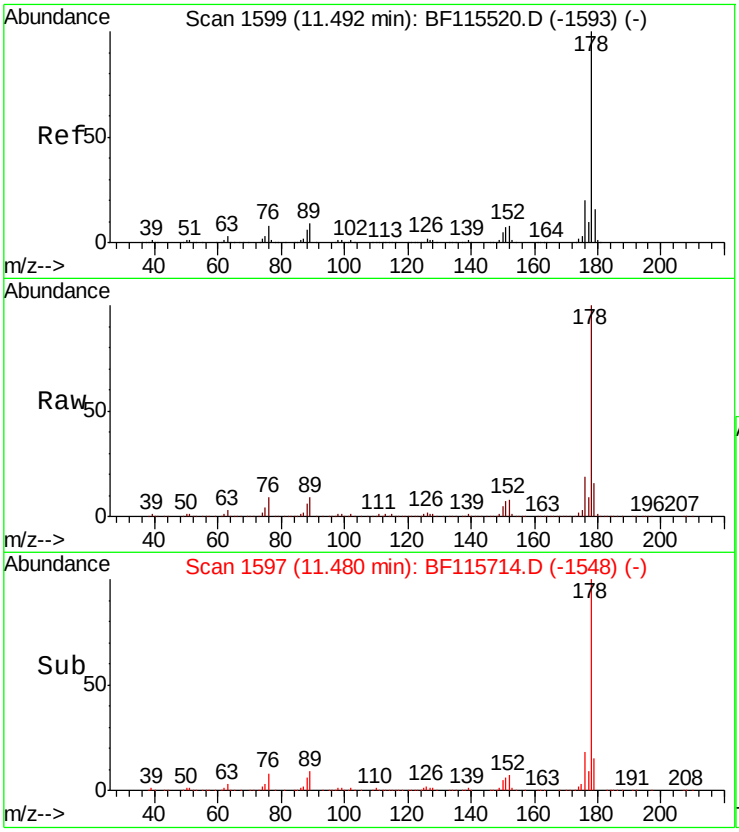


#71
Phenanthrene
Concen: 39.204 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:178 Resp: 805845

Ion	Ratio	Lower	Upper
178	100		
176	20.4	17.2	25.8
179	16.0	13.5	20.3

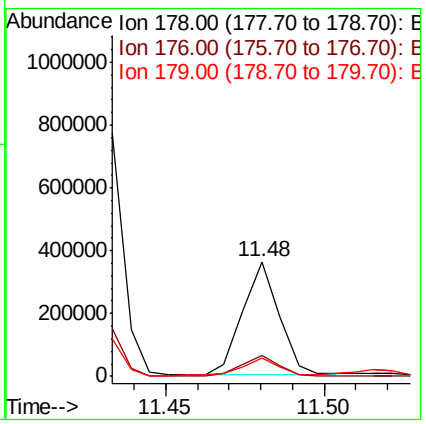




#72
Anthracene
Concen: 13.720 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:178 Resp: 291465

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
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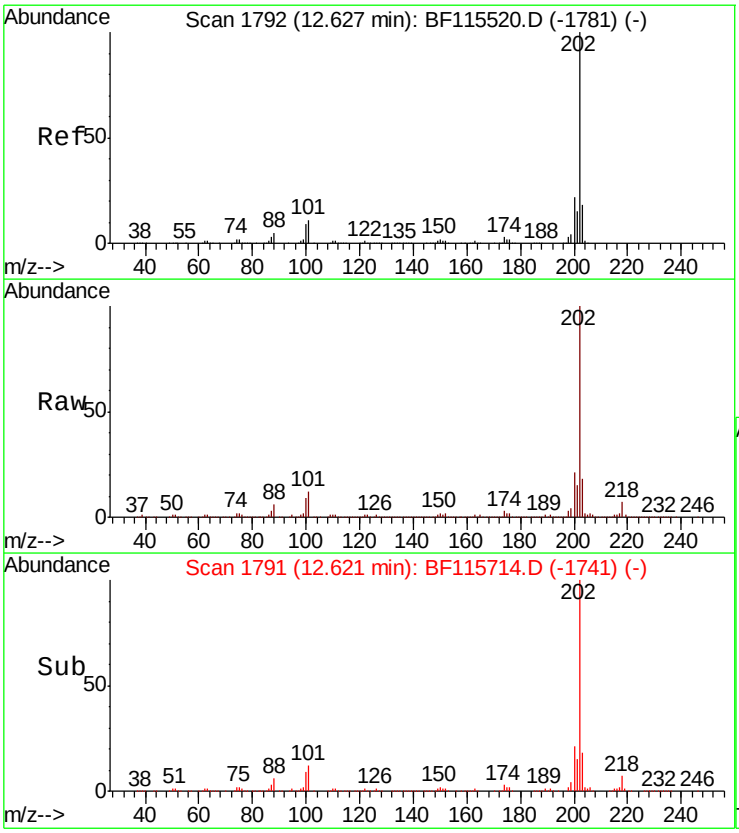
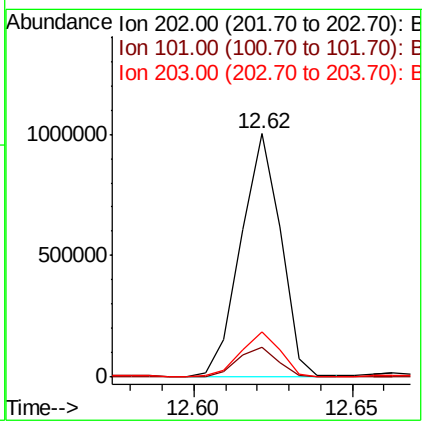
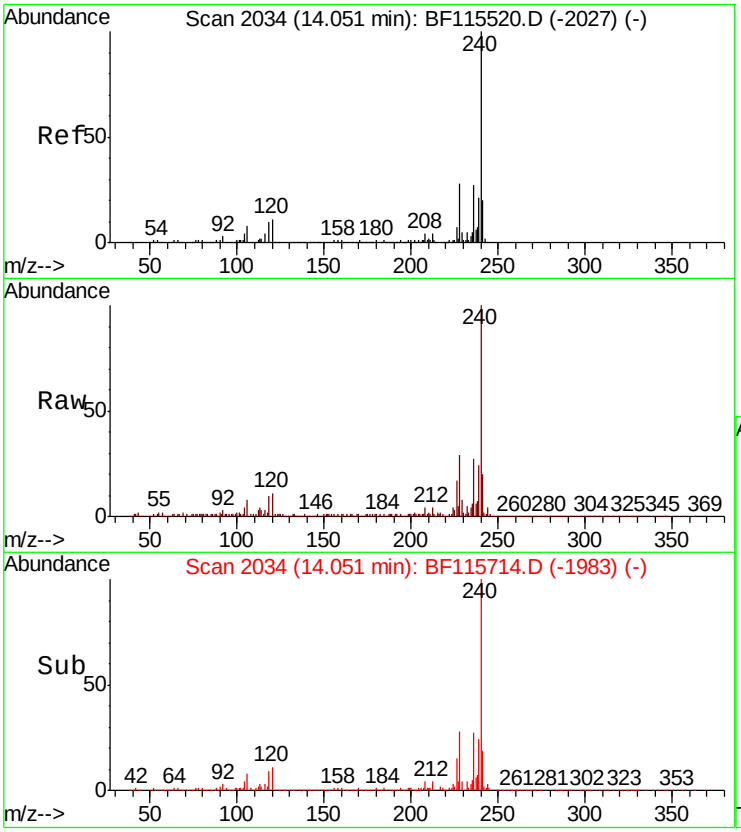


#75
Fluoranthene
Concen: 40.137 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:202 Resp: 871846

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.4	0.0	38.1

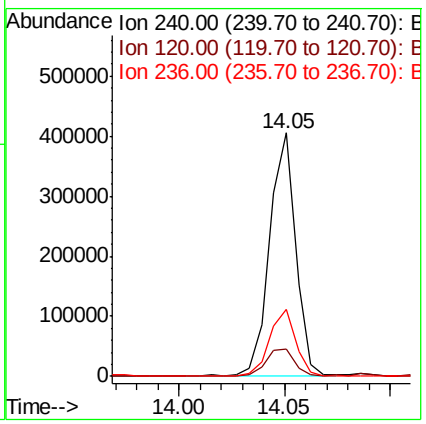




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:240 Resp: 348026

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	27.3	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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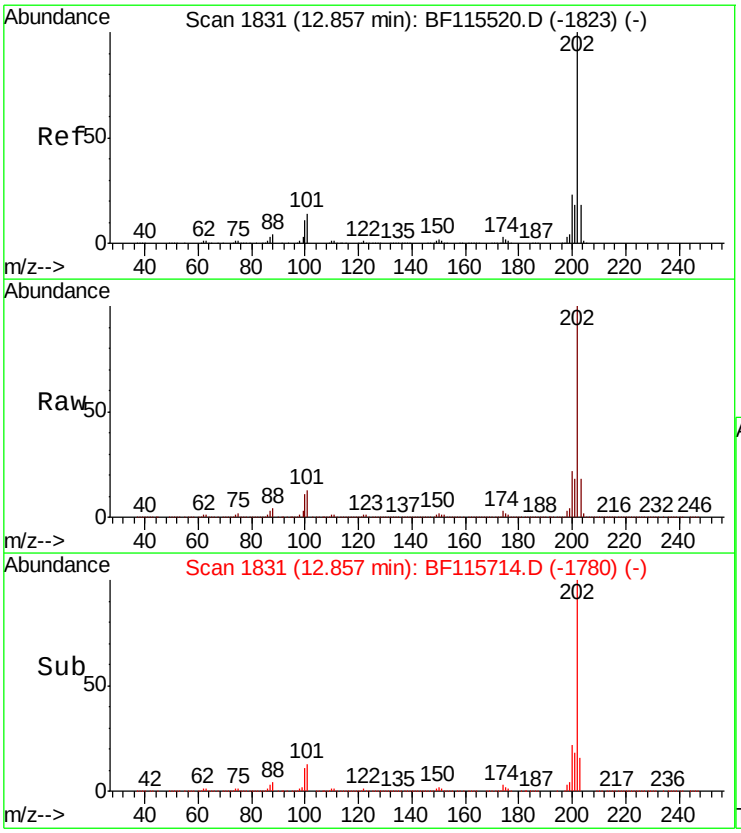
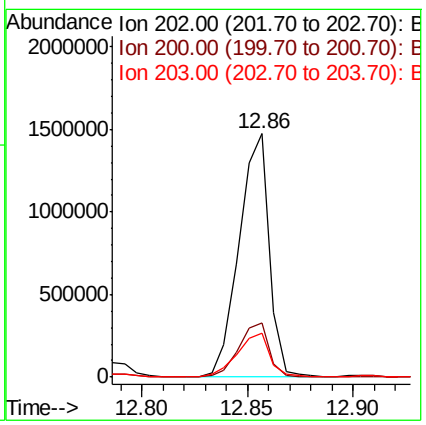
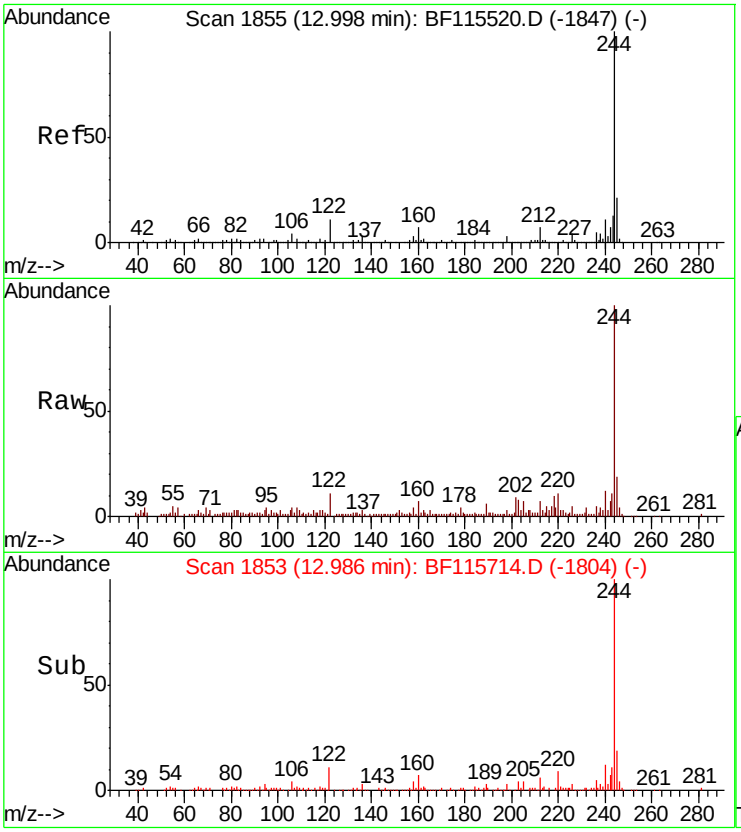


#78
Pyrene
Concen: 49.187 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:202 Resp: 1450338

Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.7	28.1
203	18.2	15.2	22.8

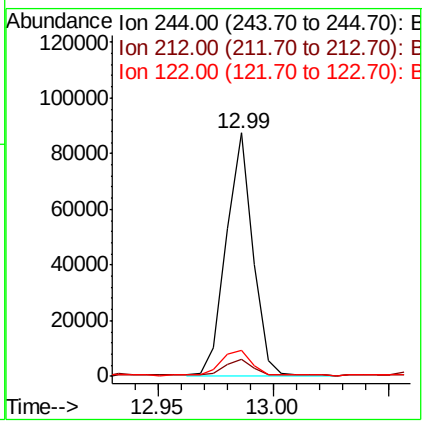




#79
Terphenyl-d14
Concen: 3.686 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:244 Resp: 69517

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.9	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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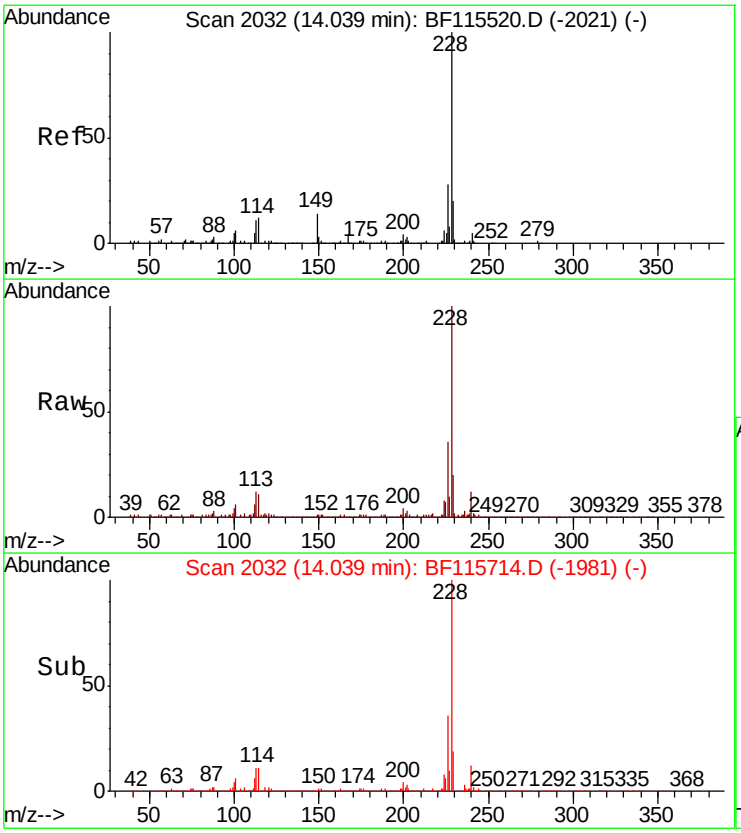
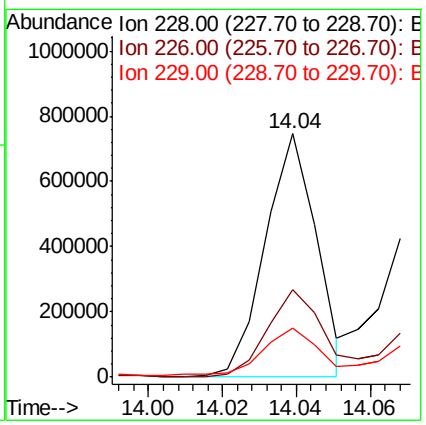
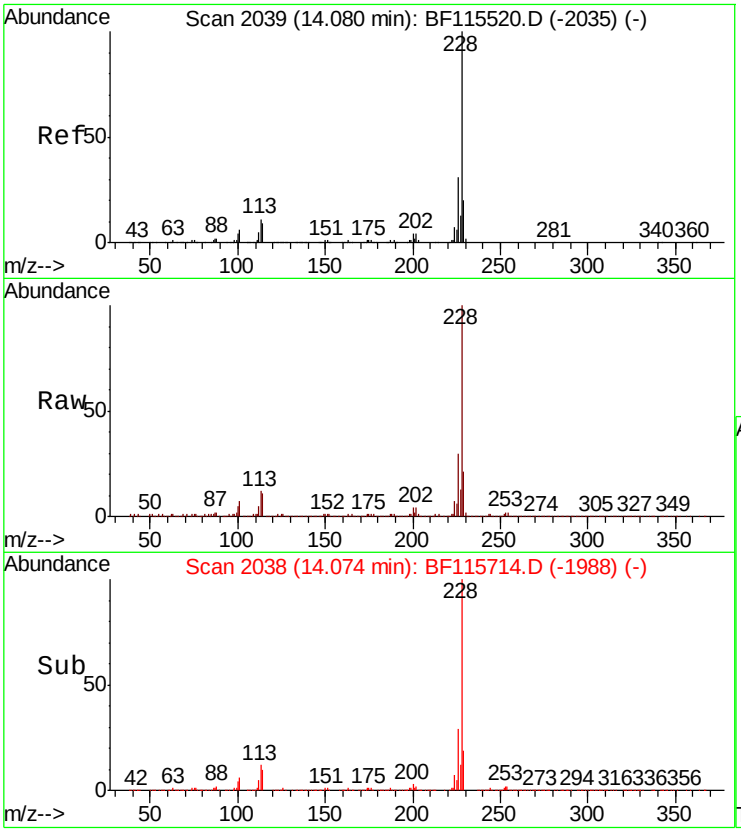


#81
Benzo(a)anthracene
Concen: 31.225 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:228 Resp: 715929

Ion	Ratio	Lower	Upper
228	100		
226	36.1	23.4	35.0#
229	20.4	17.2	25.8

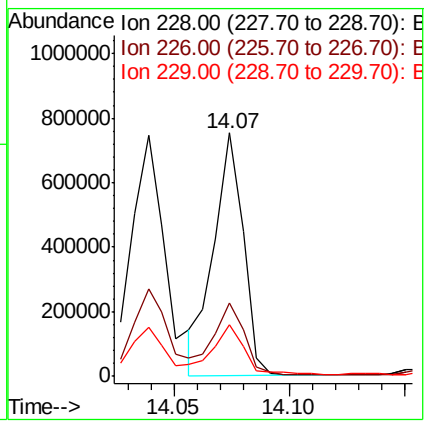




#83
Chrysene
Concen: 29.118 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:228 Resp: 670199

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	20.9	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
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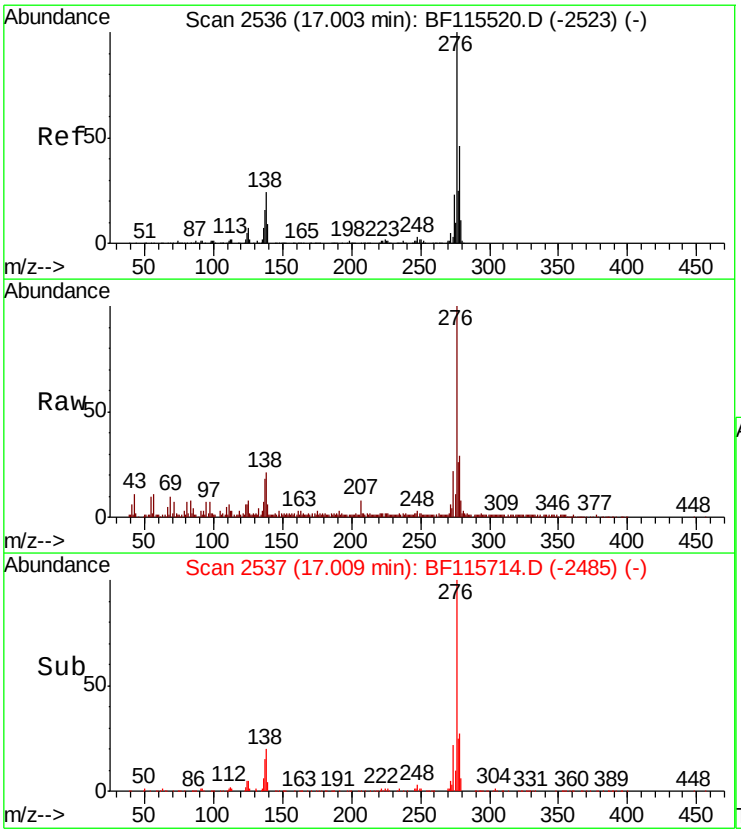
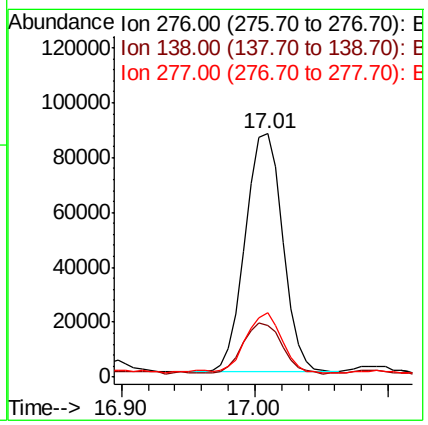
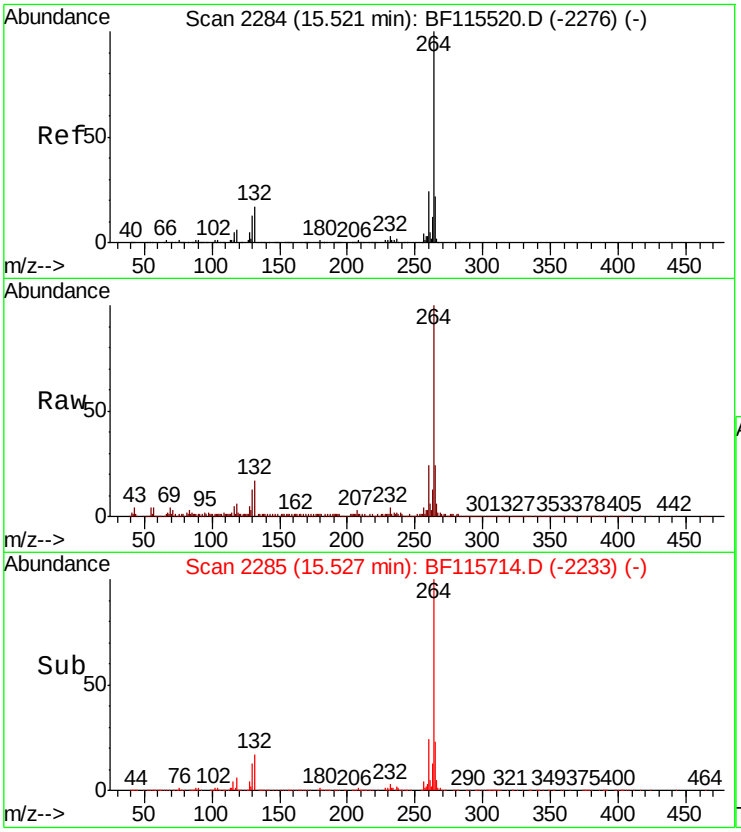


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.657 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:276 Resp: 169288

Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.2	30.2
277	25.0	20.4	30.6

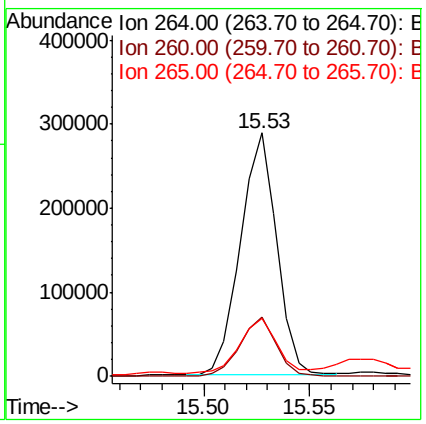




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:264 Resp: 345239

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	23.7	17.7	26.5



Instrument :
BNA_F
ClientSampleId :
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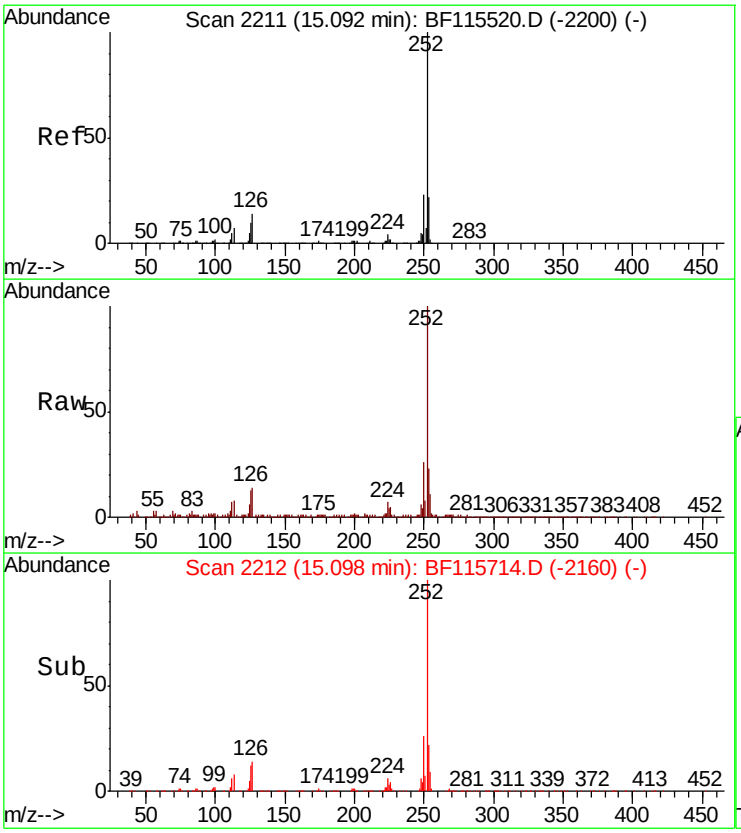
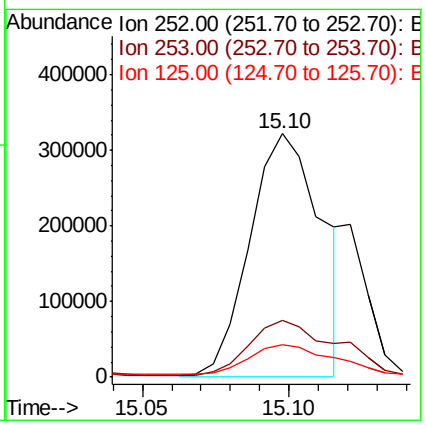
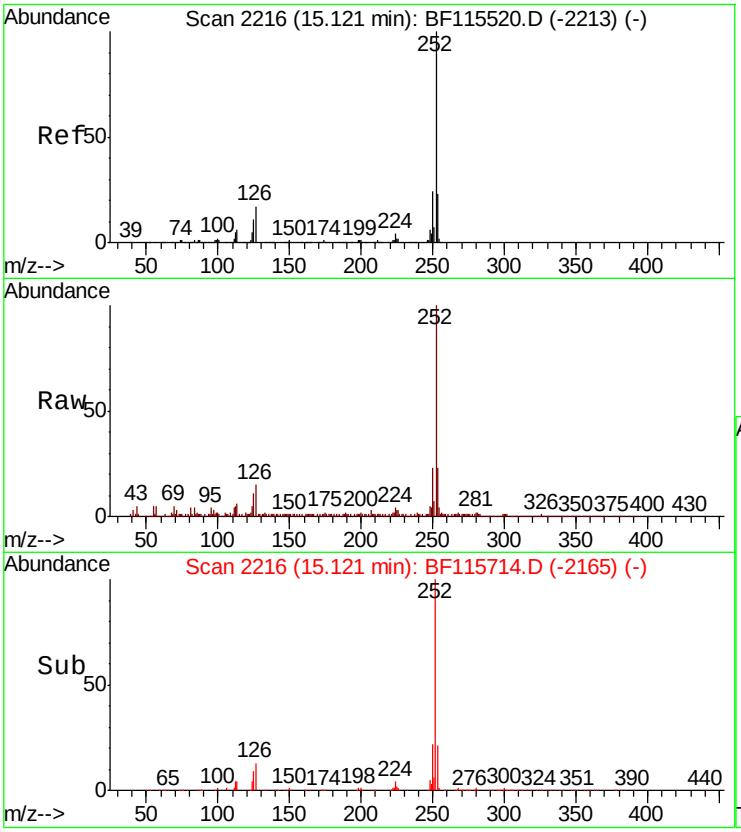


#88
Benzo(b)fluoranthene
Concen: 24.829 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:252 Resp: 551970

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.2	9.0	13.4

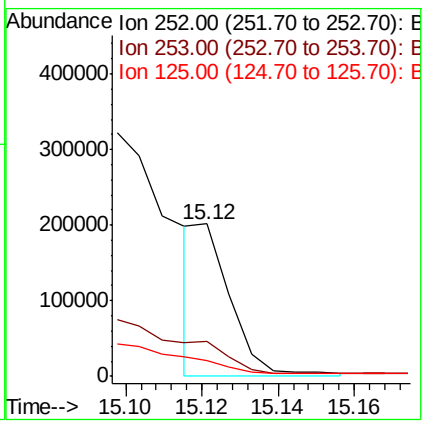




#89
Benzo(k)fluoranthene
Concen: 6.442 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:252 Resp: 127670

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	28.0
125	10.6	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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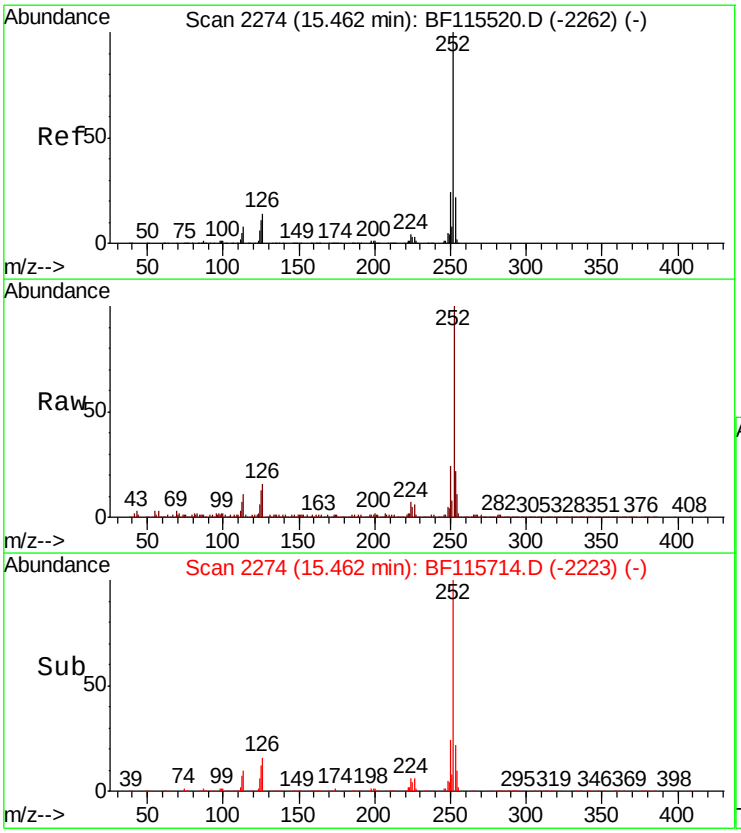
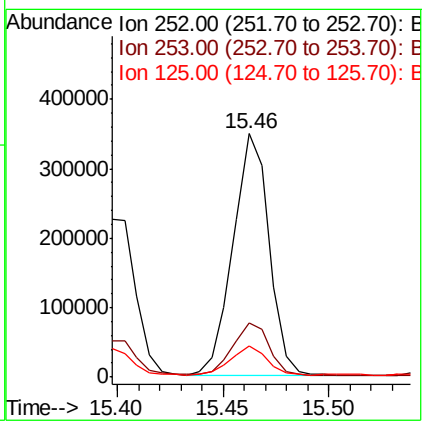
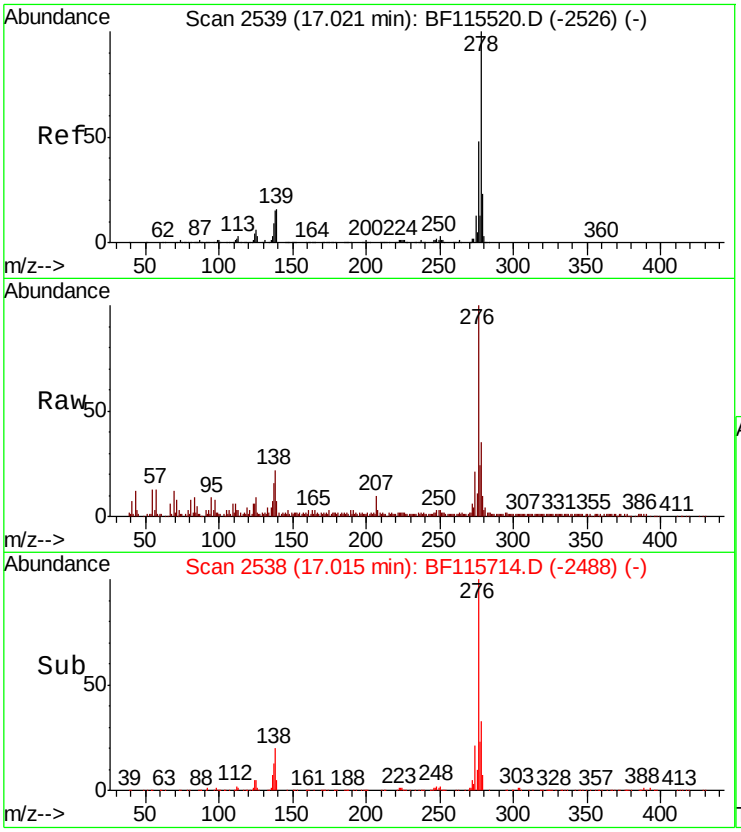


#90
Benzo(a)pyrene
Concen: 21.526 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:252 Resp: 411304

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.9	9.1	13.7

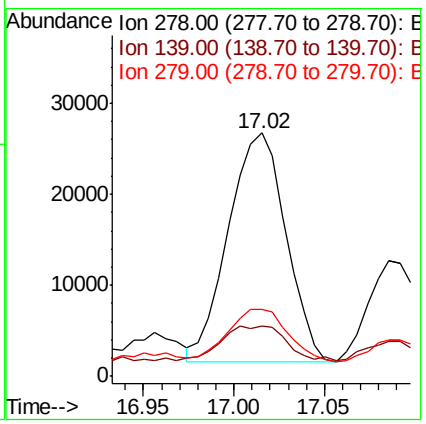




#91
Dibenzo(a,h)anthracene
Concen: 3.296 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:278 Resp: 55290

Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.1	19.7#
279	27.5	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

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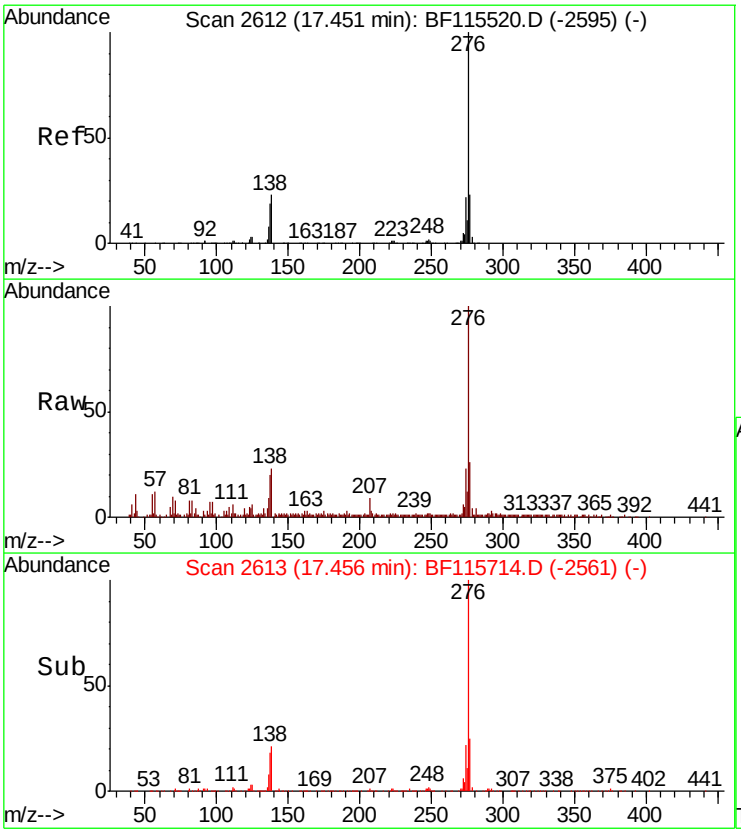

#92
Benzo(g,h,i)perylene
Concen: 10.178 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF115714.D
Acq: 22 Jul 2019 17:26

Tgt Ion:276 Resp: 170270

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.0	28.4
138	22.5	17.2	25.8