Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115755.D
Acq On : 25 Jul 2019 12:38
Operator : HP/JU
Sample : K3887-03DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7(2)DL

Quant Time: Jul 25 13:17:58 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	6.87	152	120291	20.00	ng		-0.02
21) Naphthalene-d8	8.15	136	509011	20.00	ng		-0.02
39) Acenaphthene-d10	9.90	164	294929	20.00	ng		-0.02
64) Phenanthrene-d10	11.39	188	532505	20.00	ng		-0.02
76) Chrysene-d12	14.03	240	355912	20.00	ng		-0.02
87) Perylene-d12	15.50	264	390277	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	26264	3.57	ng		-0.02
7) Phenol-d6	6.50	99	49508	5.31	ng		-0.02
23) Nitrobenzene-d5	7.43	82	31363	3.58	ng		-0.02
42) 2,4,6-Tribromophenol	10.69	330	14528	4.22	ng		-0.02
45) 2-Fluorobiphenyl	9.22	172	62948	3.74	ng		-0.03
79) Terphenyl-d14	12.97	244	72891	3.78	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.17	128	1127240	45.727	ng		97
33) 4-Chloroaniline	8.17	127	152633	13.978	ng	#	35
35) Caprolactam	8.86	113	13337	5.707	ng	#	1
37) 2-Methylnaphthalene	8.86	142	587513	35.954	ng		97
38) 1-Methylnaphthalene	8.96	142	515673	33.224	ng		99
46) 1,1'-Biphenyl	9.33	154	127970	5.550	ng		97
49) Acenaphthylene	9.77	152	204567	7.191	ng		97
52) Acenaphthene	9.94	154	69703	3.795	ng		91
55) Dibenzofuran	10.11	168	55333	2.121	ng	#	91
58) Fluorene	10.45	166	465140	24.946	ng		99
71) Phenanthrene	11.42	178	1930387	70.721	ng		99
72) Anthracene	11.47	178	295773	10.485	ng		99
75) Fluoranthene	12.60	202	980356	33.988	ng		97
78) Pyrene	12.84	202	1492140	49.484	ng		98
81) Benzo(a)anthracene	14.02	228	545347	23.258	ng		96
83) Chrysene	14.06	228	564614	23.987	ng		98
86) Indeno(1,2,3-cd)pyrene	16.97	276	205139	10.258	ng		96
88) Benzo(b)fluoranthene	15.07	252	503146	20.021	ng		99
89) Benzo(k)fluoranthene	15.07	252	503146	22.456	ng		98
90) Benzo(a)pyrene	15.44	252	397219	18.390	ng		99
91) Dibenzo(a,h)anthracene	16.97	278	65873	3.474	ng		93
92) Benzo(g,h,i)perylene	17.42	276	236770	12.520	ng		99

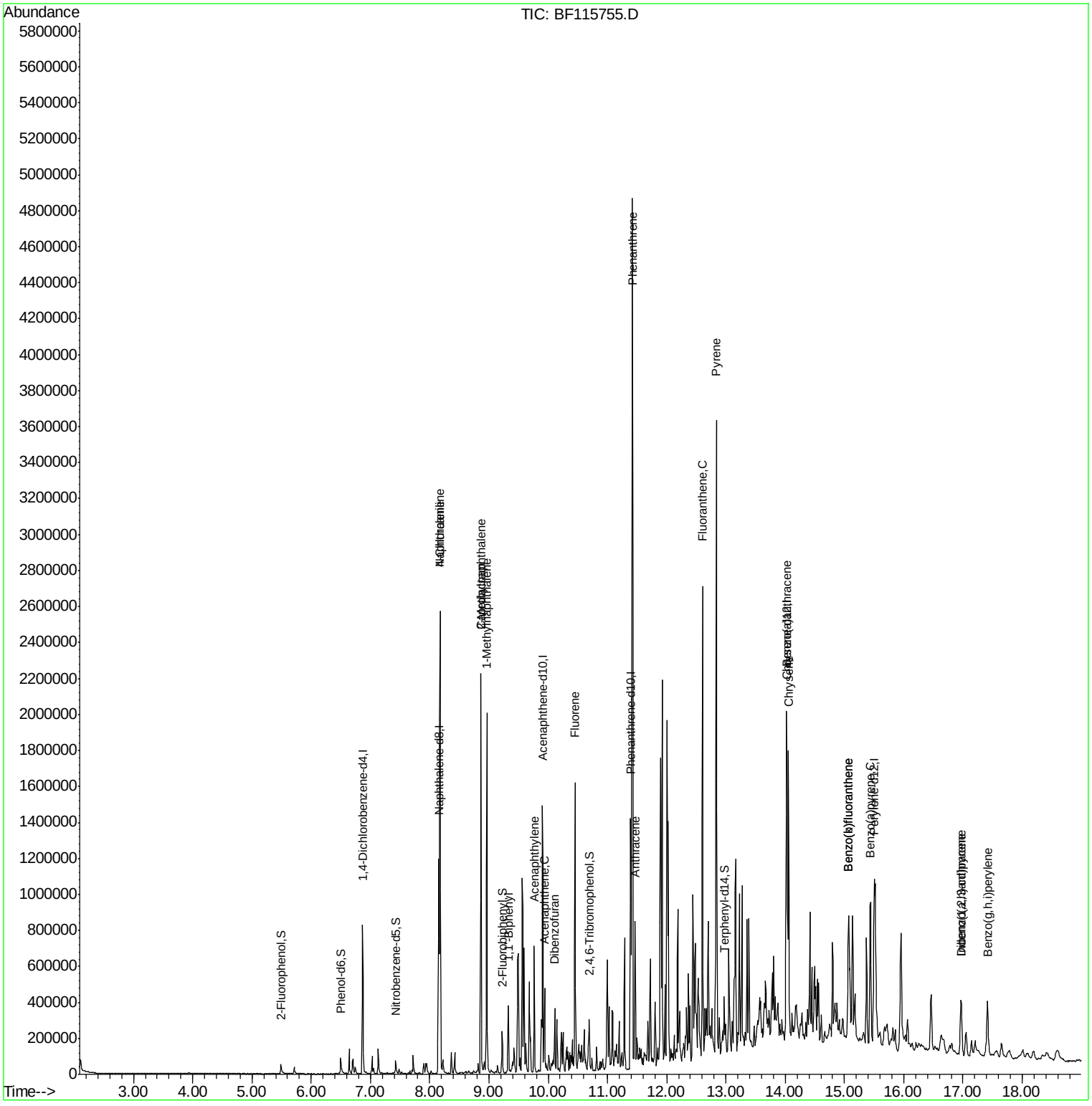
(#) = qualifier out of range (m) = manual integration (+) = signals summed

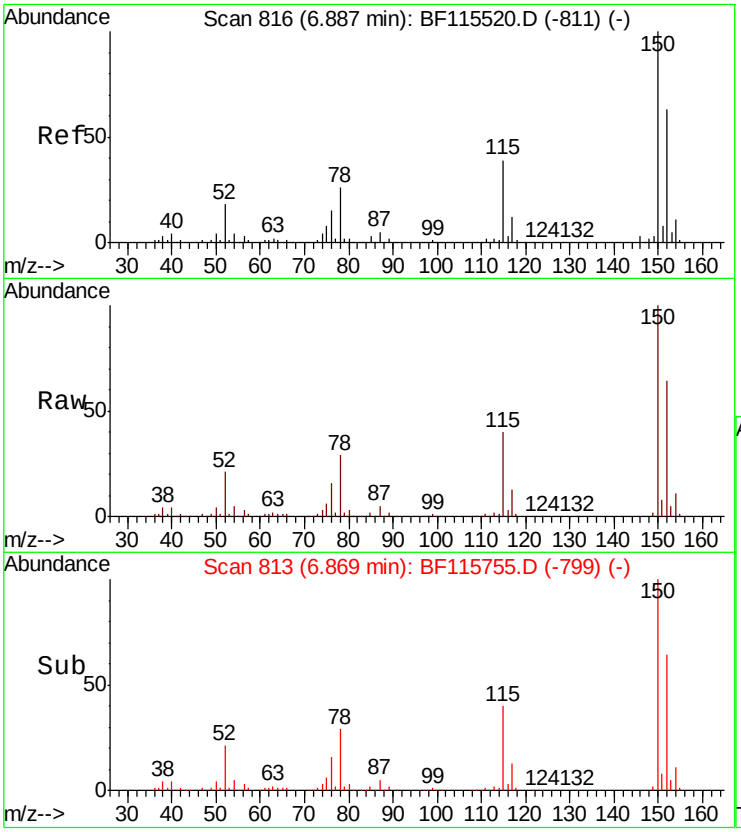
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115755.D
Acq On : 25 Jul 2019 12:38
Operator : HP/JU
Sample : K3887-03DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Quant Time: Jul 25 13:17:58 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



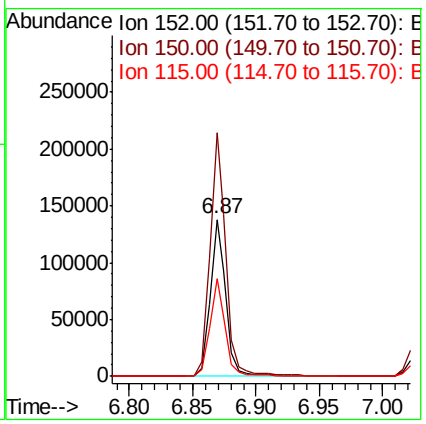


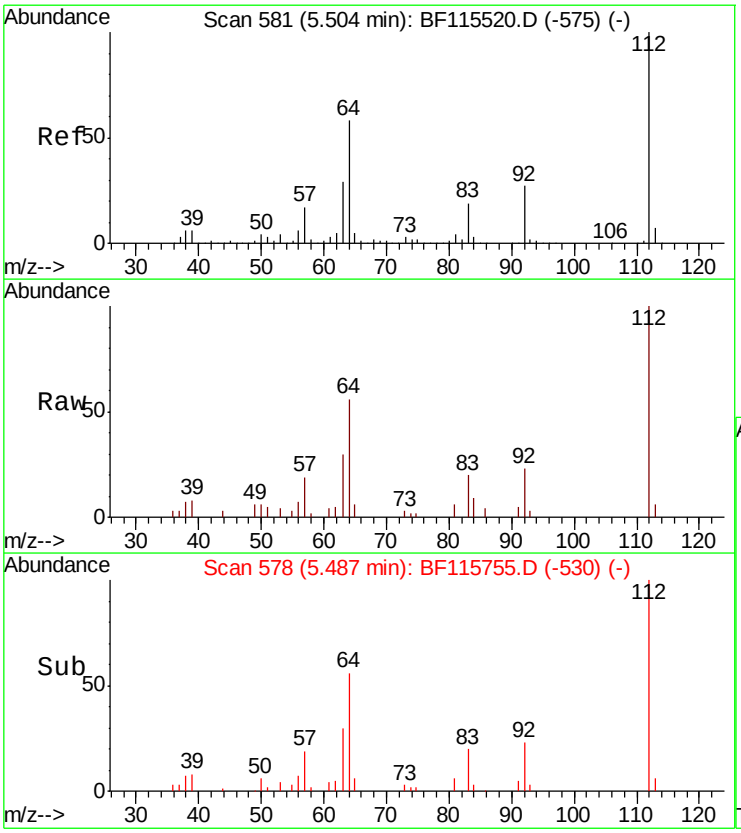
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:152 Resp: 120291

Ion	Ratio	Lower	Upper
152	100		
150	155.2	129.7	194.5
115	62.1	48.2	72.4

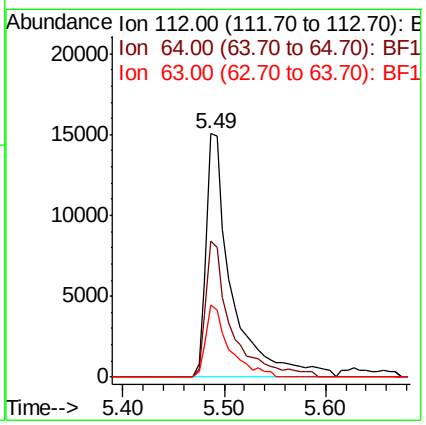


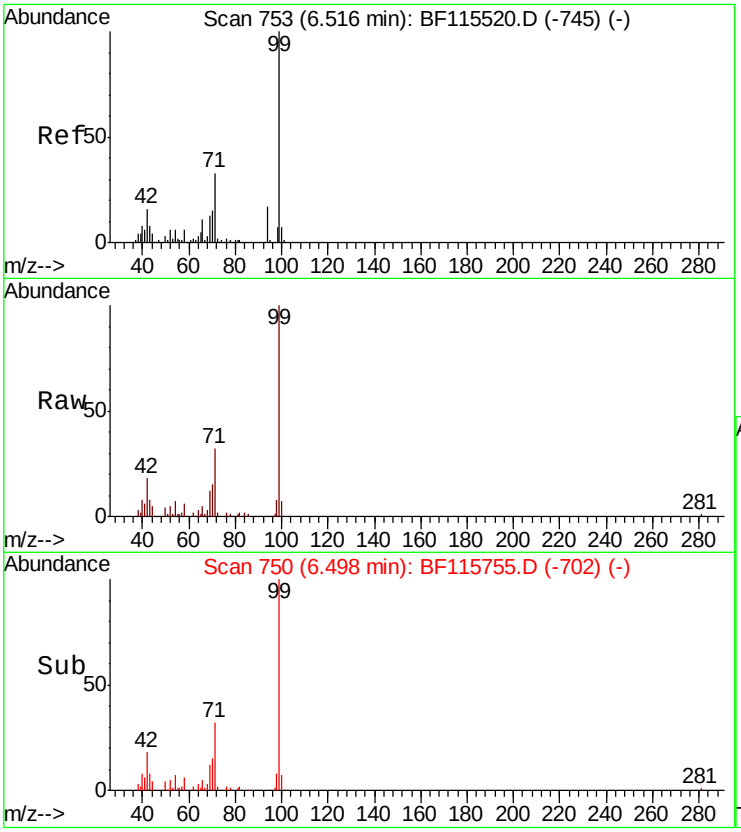


#5
2-Fluorophenol
Concen: 3.571 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:112 Resp: 26264

Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.8	70.2
63	29.8	24.1	36.1

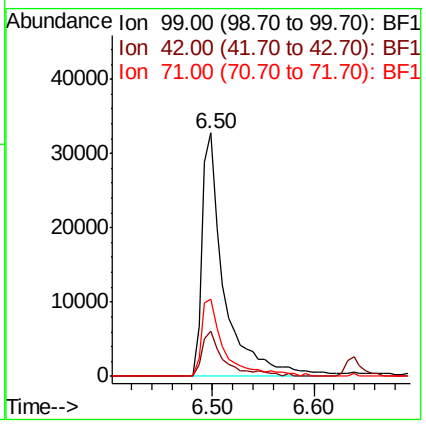




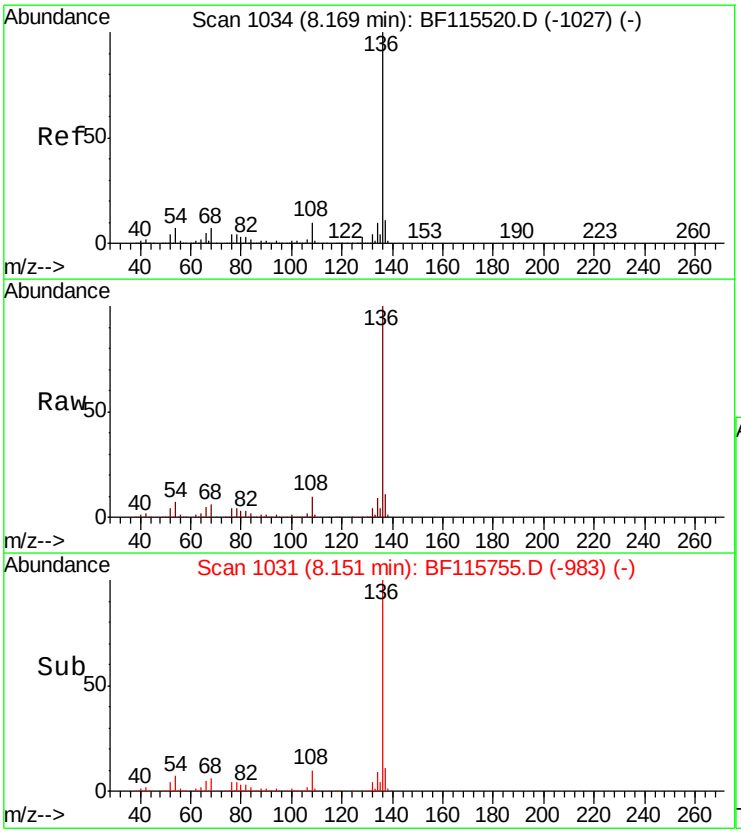
#7
Phenol-d6
Concen: 5.306 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion: 99 Resp: 49508

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.6	20.4
71	31.6	28.5	42.7



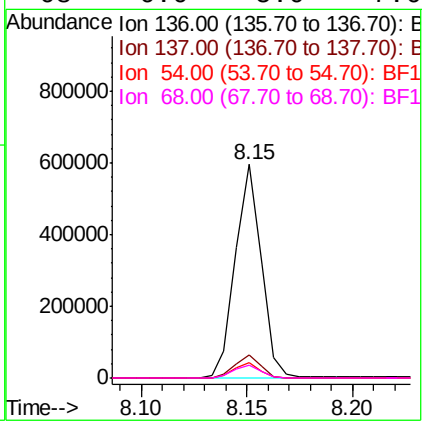
Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

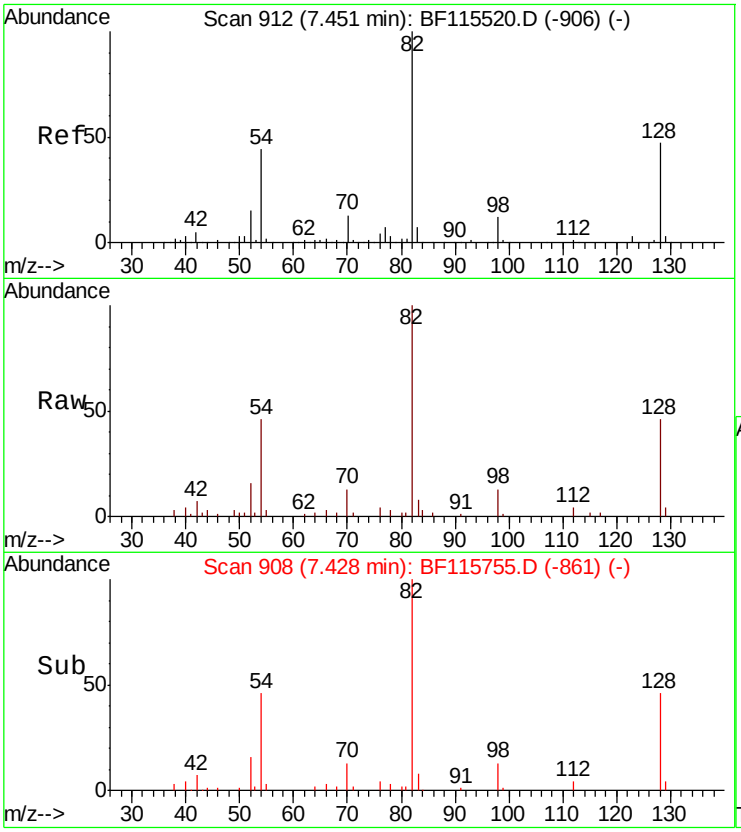


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:136 Resp: 509011

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.1	5.6	8.4
68	6.0	5.0	7.6



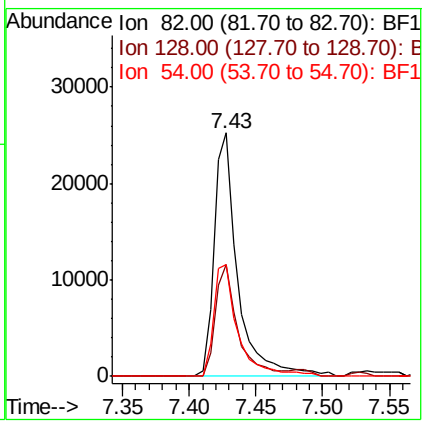


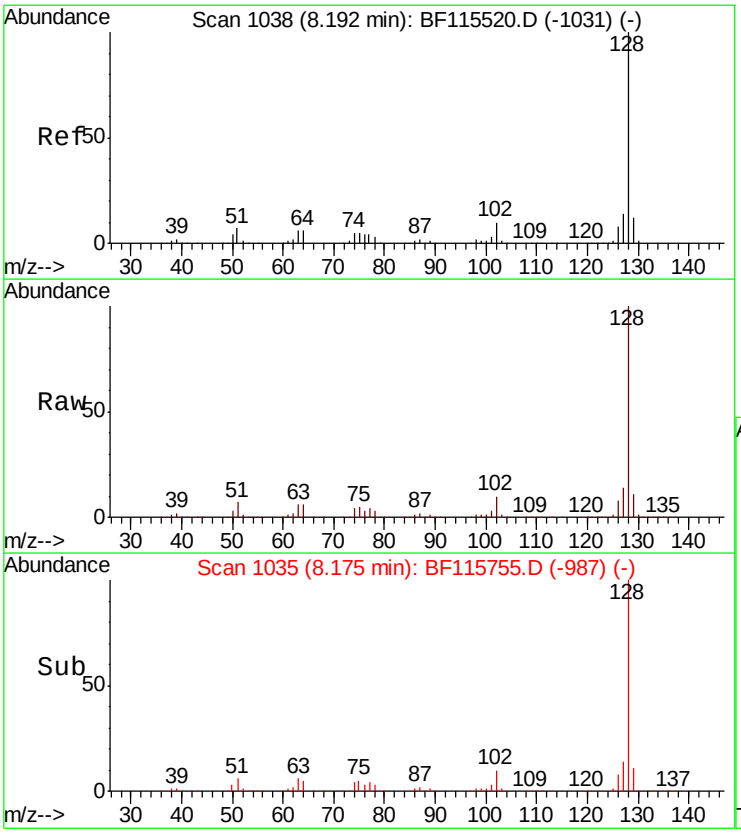
#23
Nitrobenzene-d5
Concen: 3.583 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion: 82 Resp: 31363

Ion	Ratio	Lower	Upper
82	100		
128	45.9	38.6	57.8
54	45.7	35.6	53.4

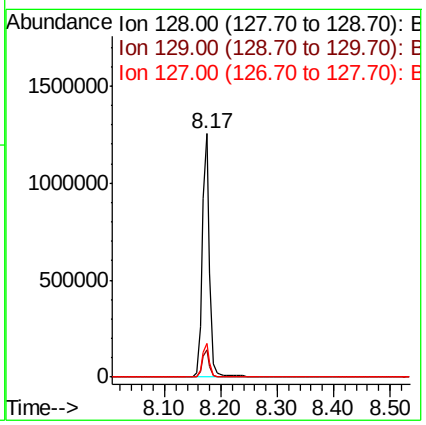


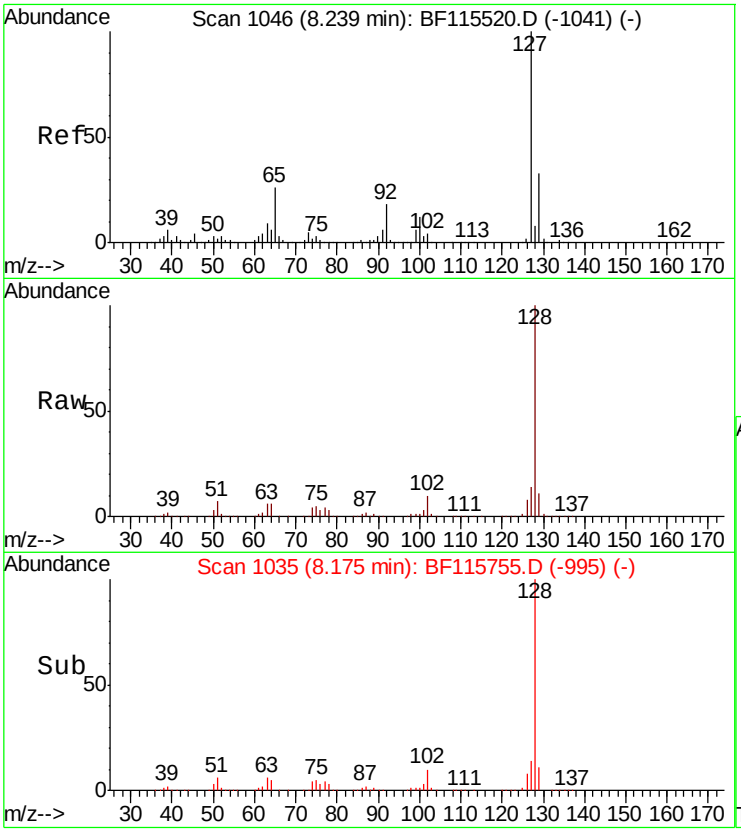


#31
Naphthalene
Concen: 45.727 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:128 Resp: 1127240

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.9	14.9
127	13.9	12.1	18.1



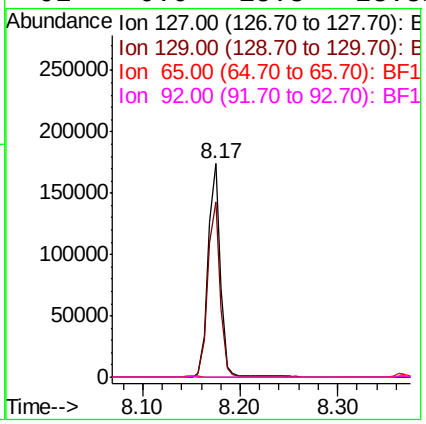


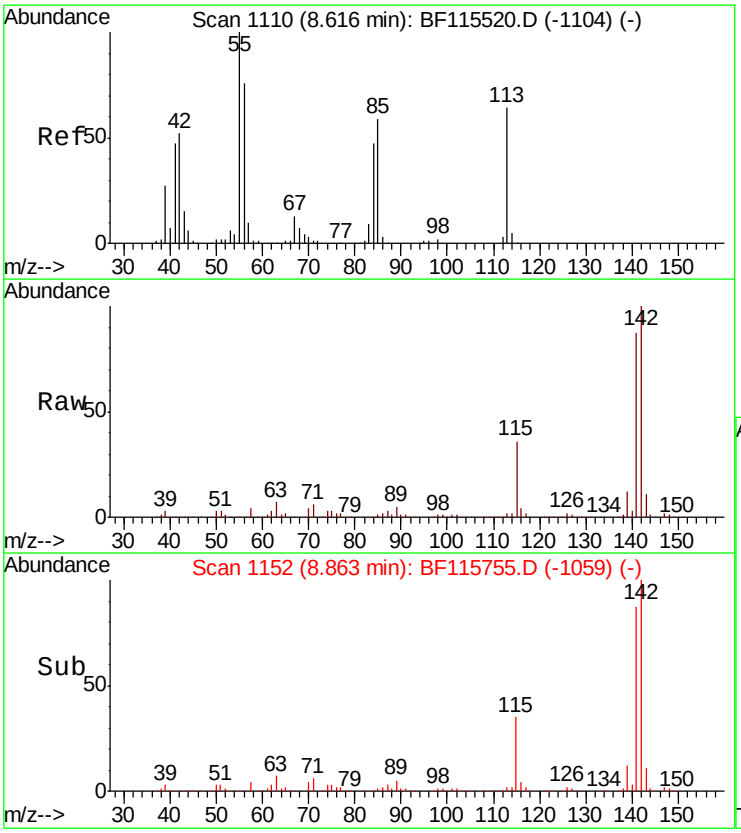
#33
4-Chloroaniline
Concen: 13.978 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:127 Resp: 152633

Ion	Ratio	Lower	Upper
127	100		
129	82.4	26.6	39.8#
65	0.0	23.7	35.5#
92	0.0	15.8	23.8#

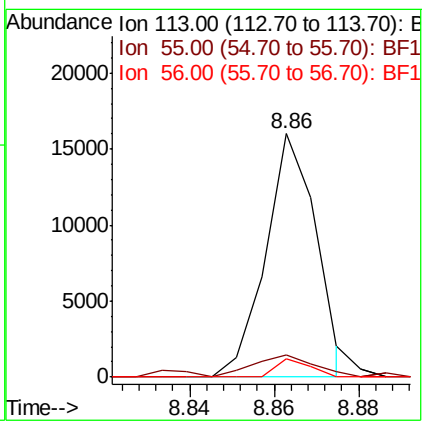


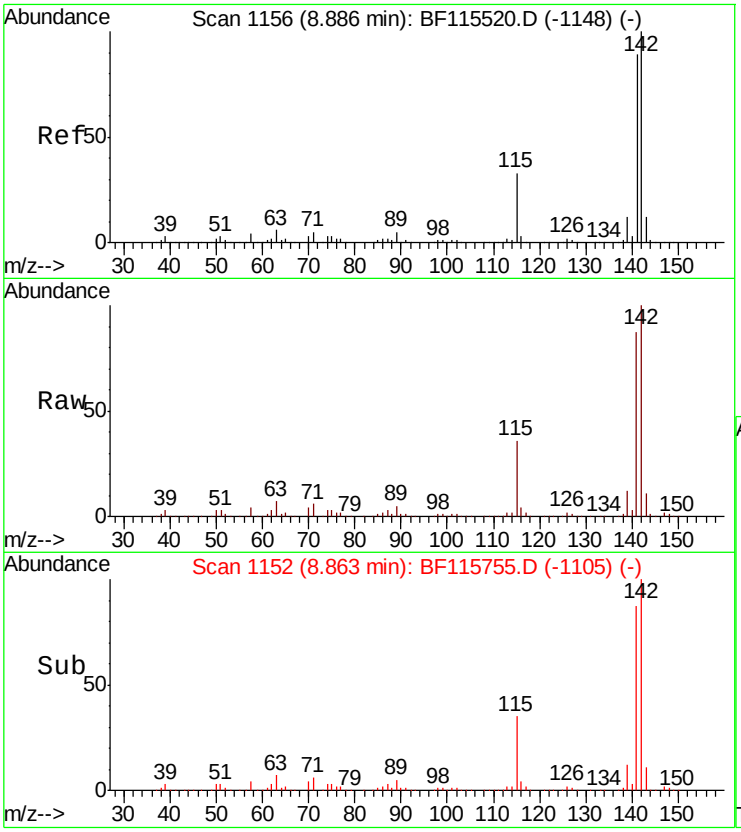


#35
Caprolactam
Concen: 5.707 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.25 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:113 Resp: 13337

Ion	Ratio	Lower	Upper
113	100		
55	9.1	126.9	166.9#
56	7.4	90.3	130.3#



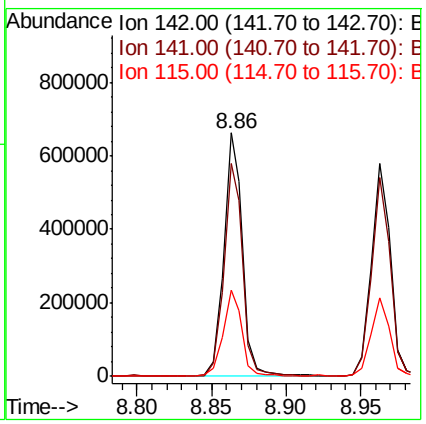


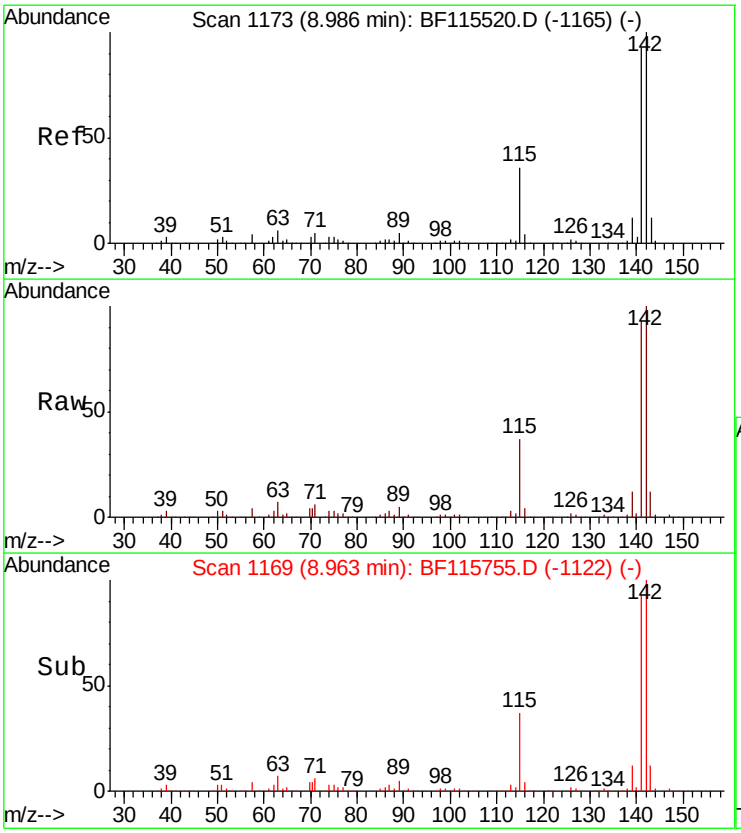
#37
2-Methylnaphthalene
Concen: 35.954 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:142 Resp: 587513

Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.0	108.0
115	35.5	29.9	44.9

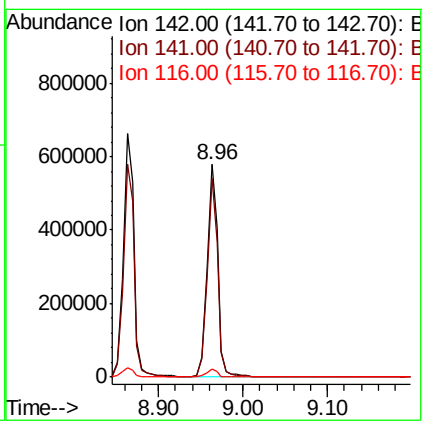


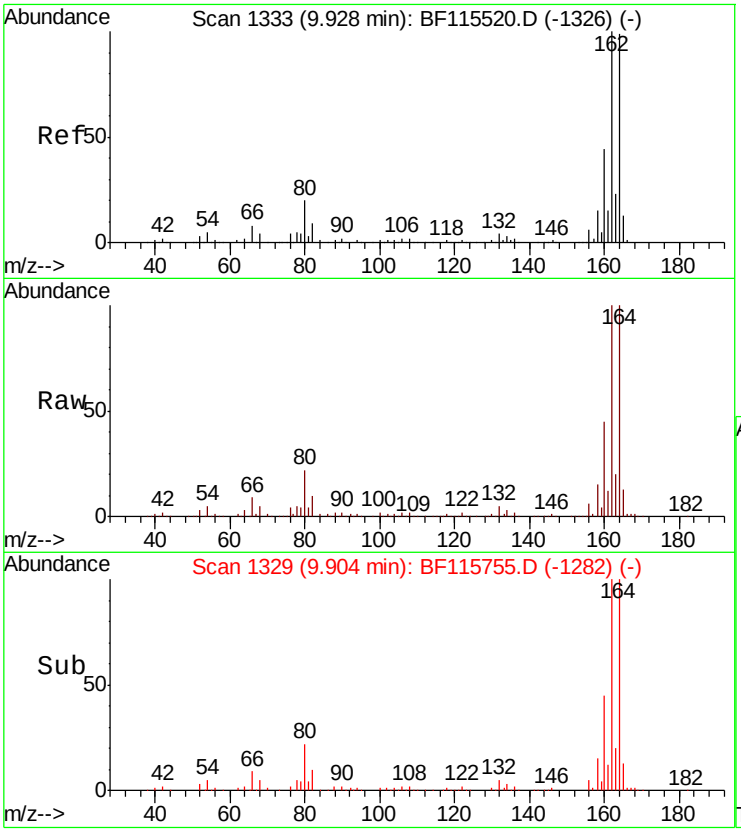


#38
1-Methylnaphthalene
Concen: 33.224 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:142 Resp: 515673

Ion	Ratio	Lower	Upper
142	100		
141	93.4	75.3	112.9
116	3.8	3.3	4.9



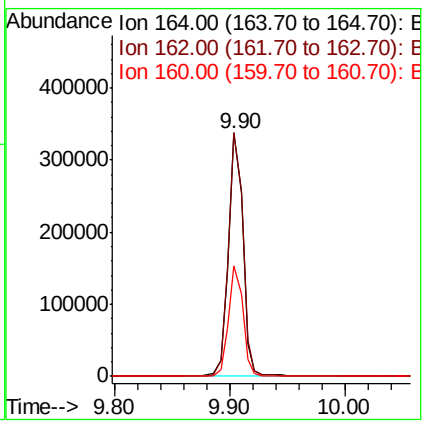


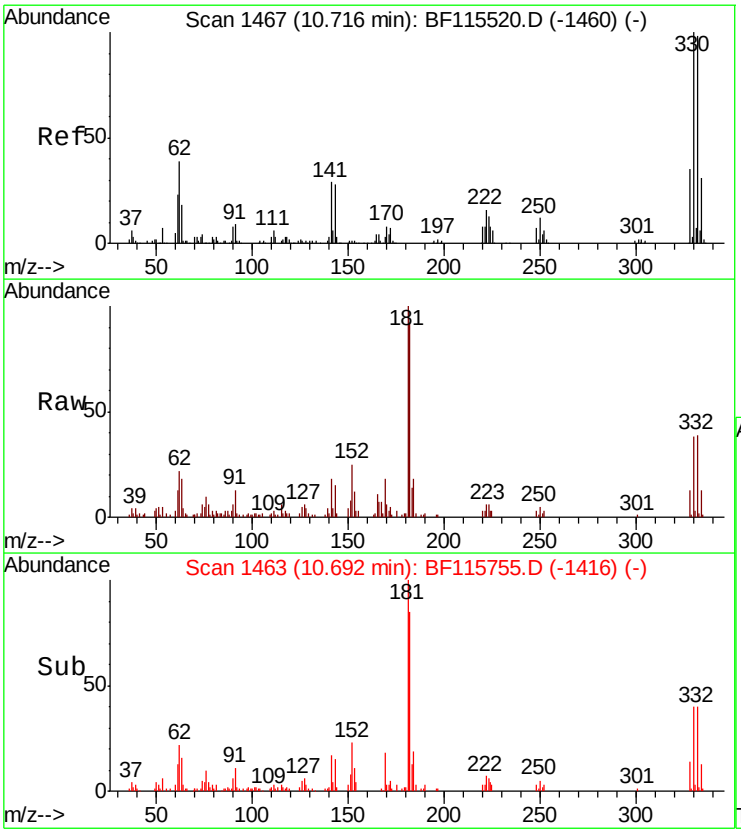
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:164 Resp: 294929

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.9	124.3
160	45.2	36.8	55.2

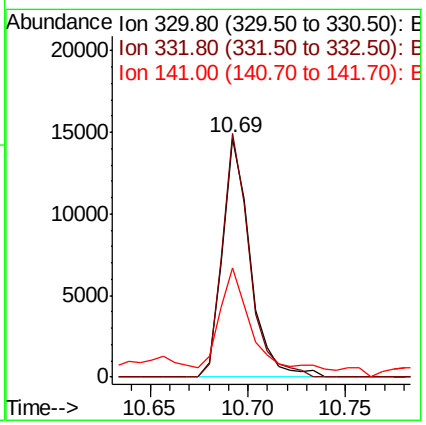


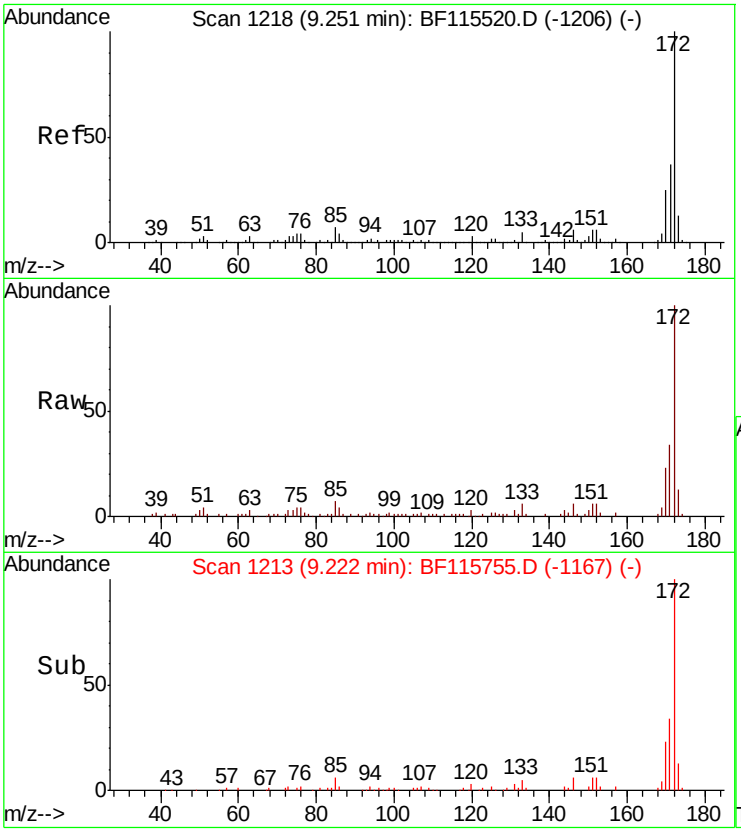


#42
2,4,6-Tribromophenol
Concen: 4.220 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:330 Resp: 14528

Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.4	116.2
141	61.3	22.4	33.6#



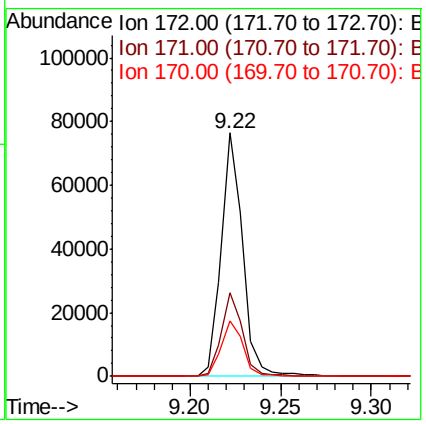


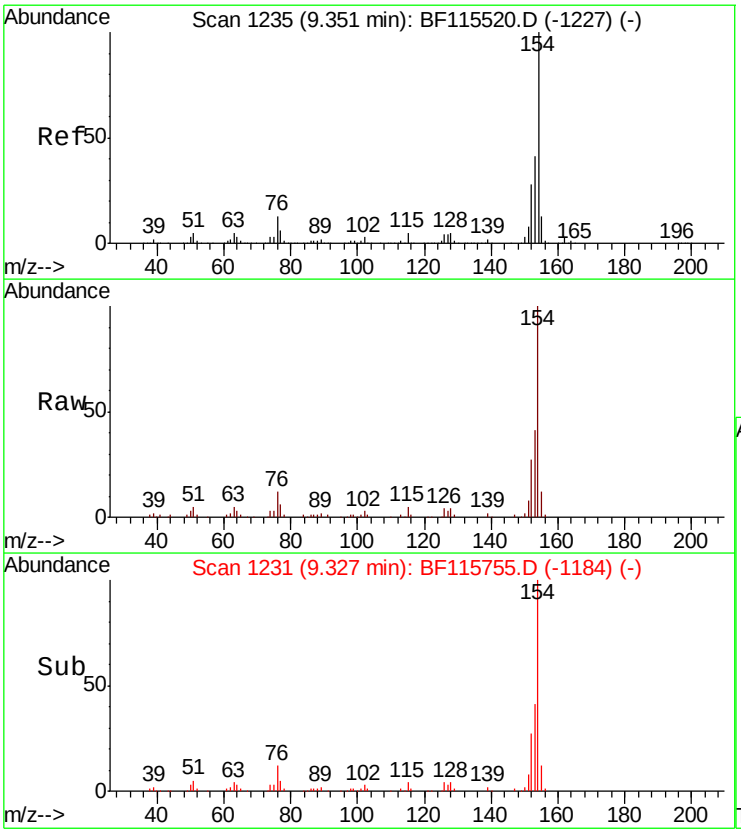
#45
2-Fluorobiphenyl
Concen: 3.736 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:172 Resp: 62948

Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.6	46.0
170	22.9	20.5	30.7

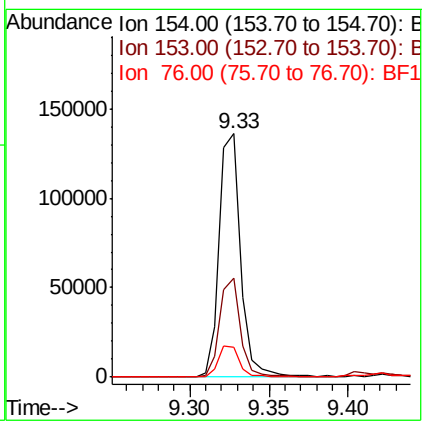


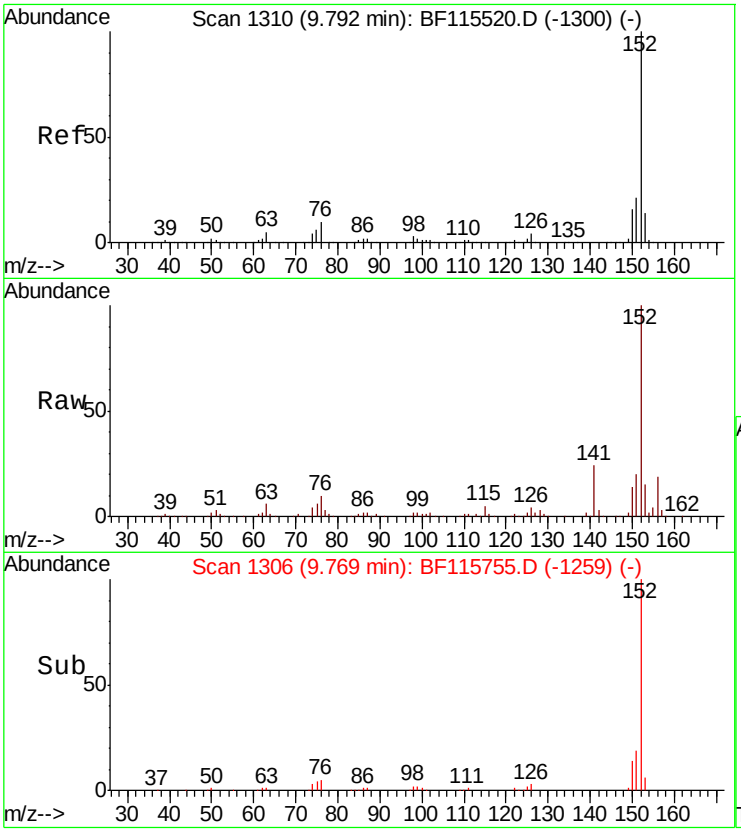


#46
1,1'-Biphenyl
Concen: 5.550 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:154 Resp: 127970

Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.6	62.6
76	12.3	0.0	33.4



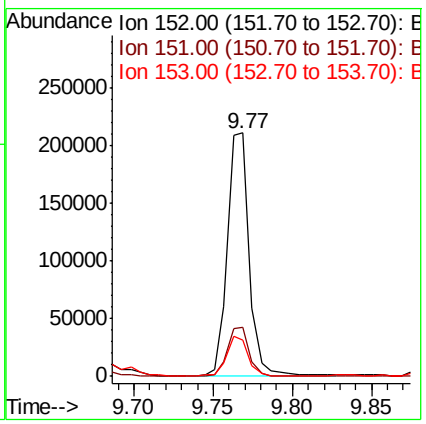


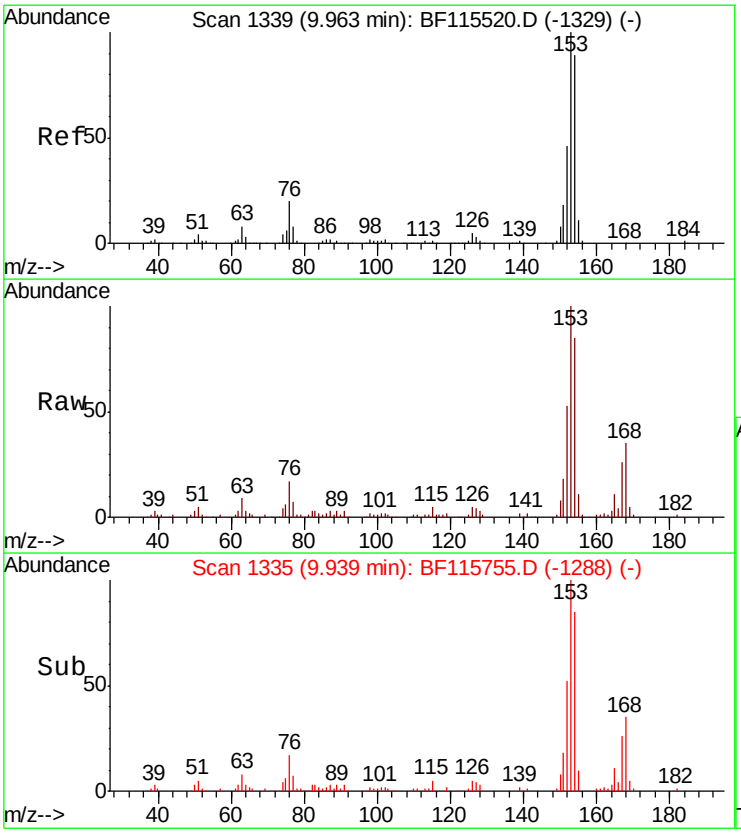
#49
Acenaphthylene
Concen: 7.191 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:152 Resp: 204567

Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.7	26.5
153	14.8	12.0	18.0

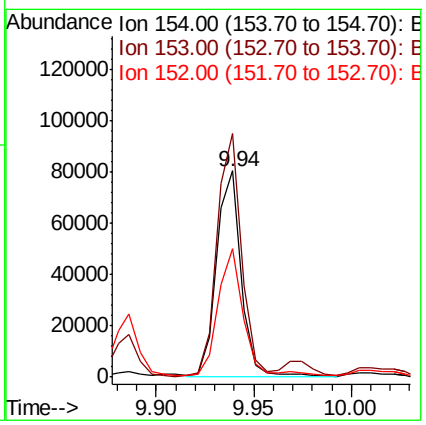


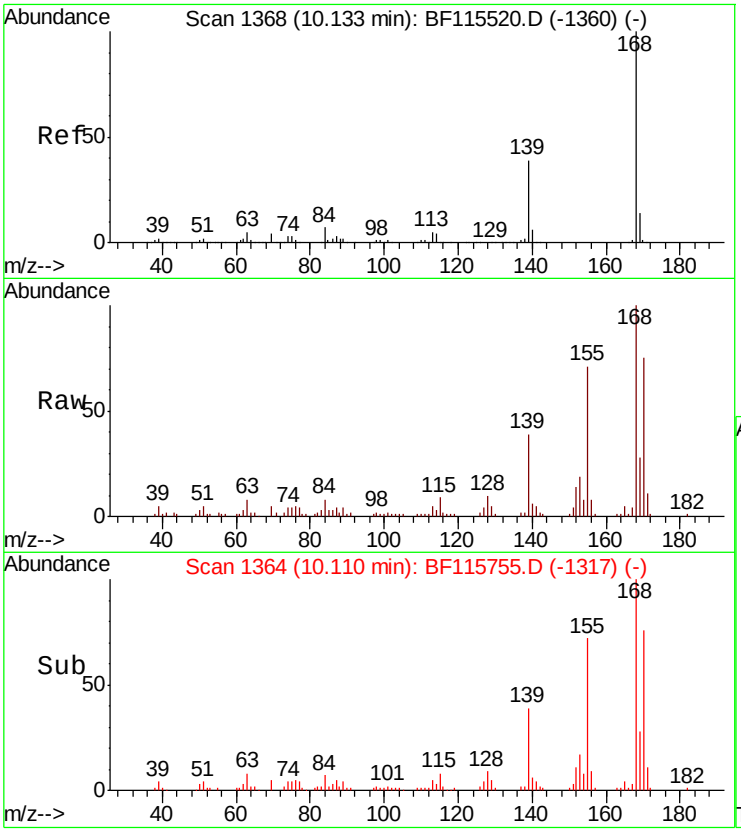


#52
Acenaphthene
Concen: 3.795 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:154 Resp: 69703

Ion	Ratio	Lower	Upper
154	100		
153	118.0	88.6	133.0
152	62.0	42.3	63.5



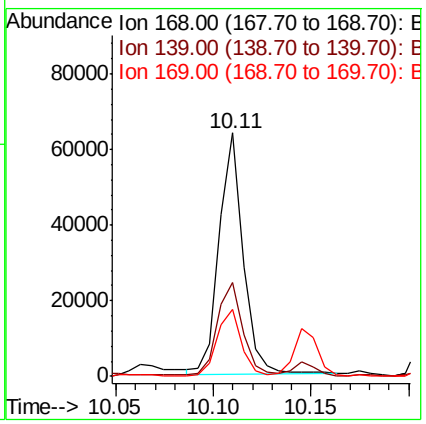


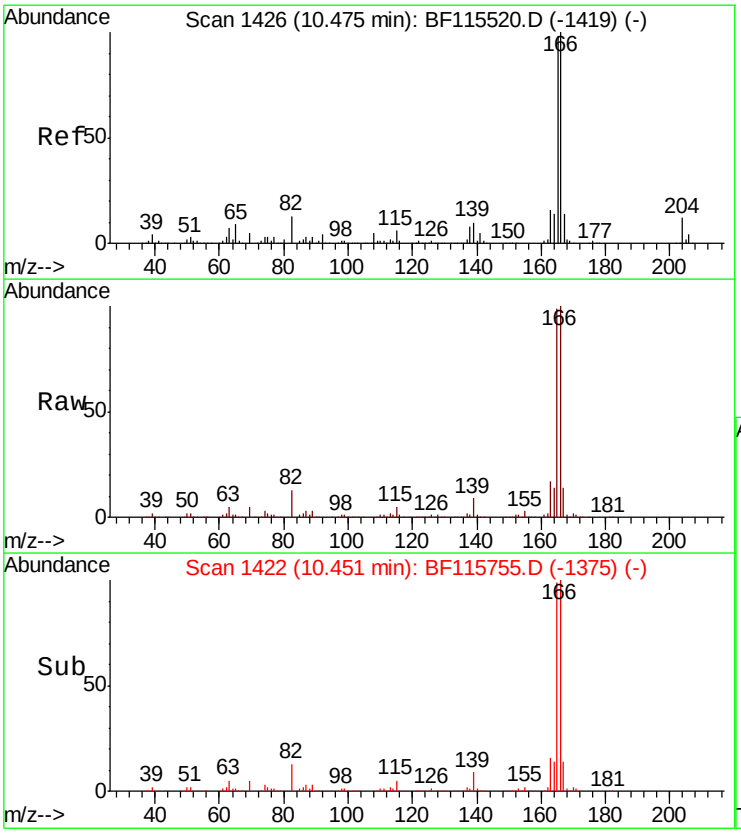
#55
Dibenzofuran
Concen: 2.121 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:168 Resp: 55333

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.1	46.7
169	27.7	11.1	16.7#

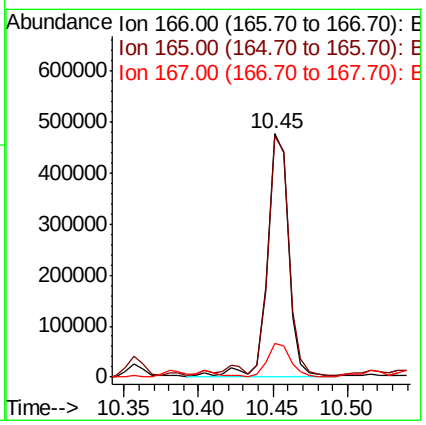


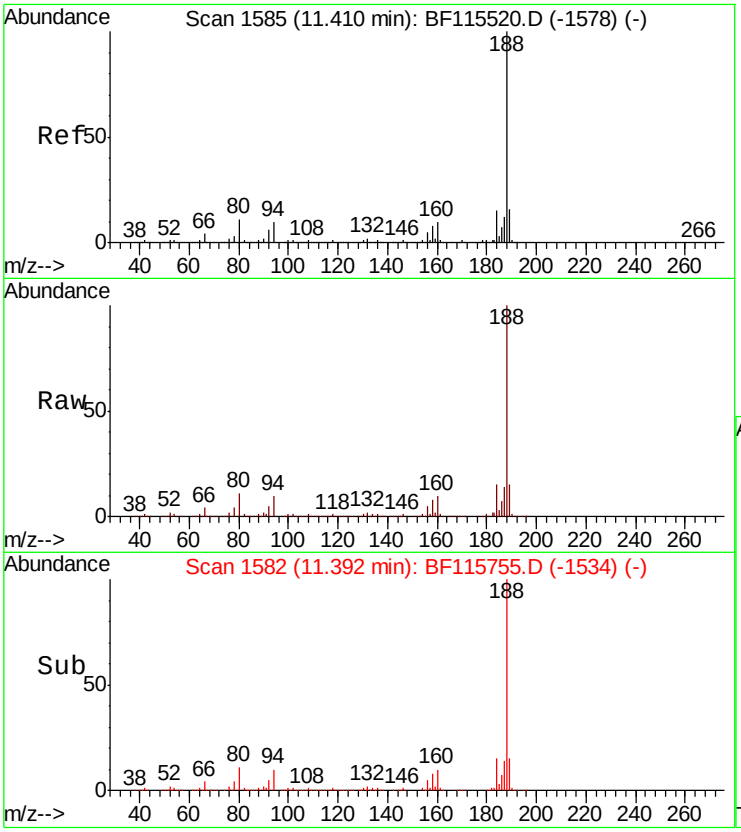


#58
Fluorene
Concen: 24.946 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:166 Resp: 465140

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.6
167	14.1	11.2	16.8



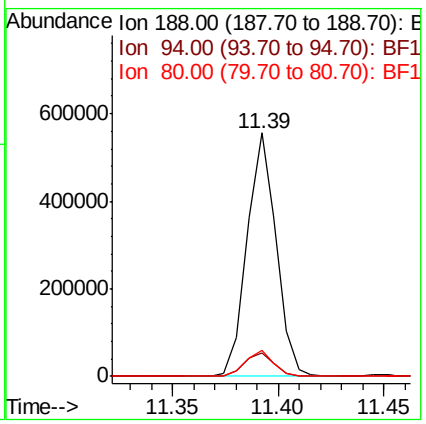


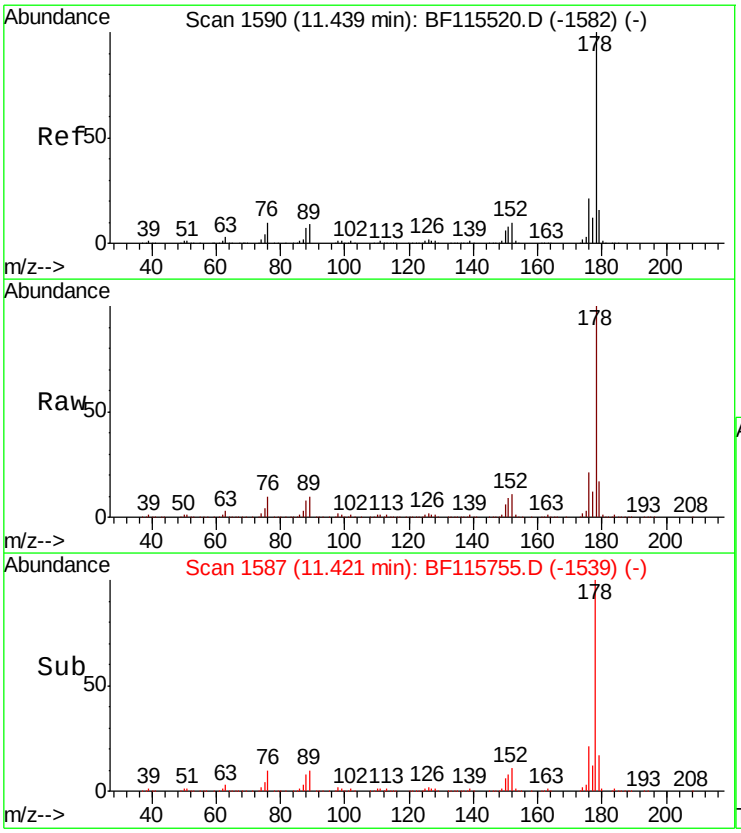
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:188 Resp: 532505

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.7	8.6	13.0

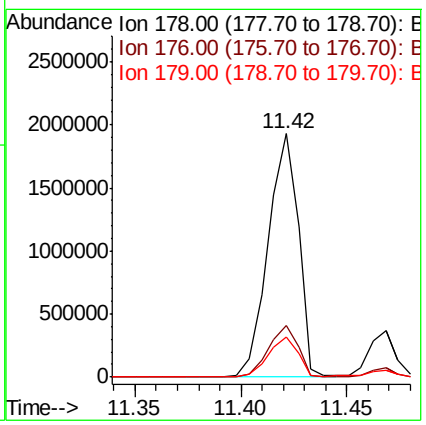


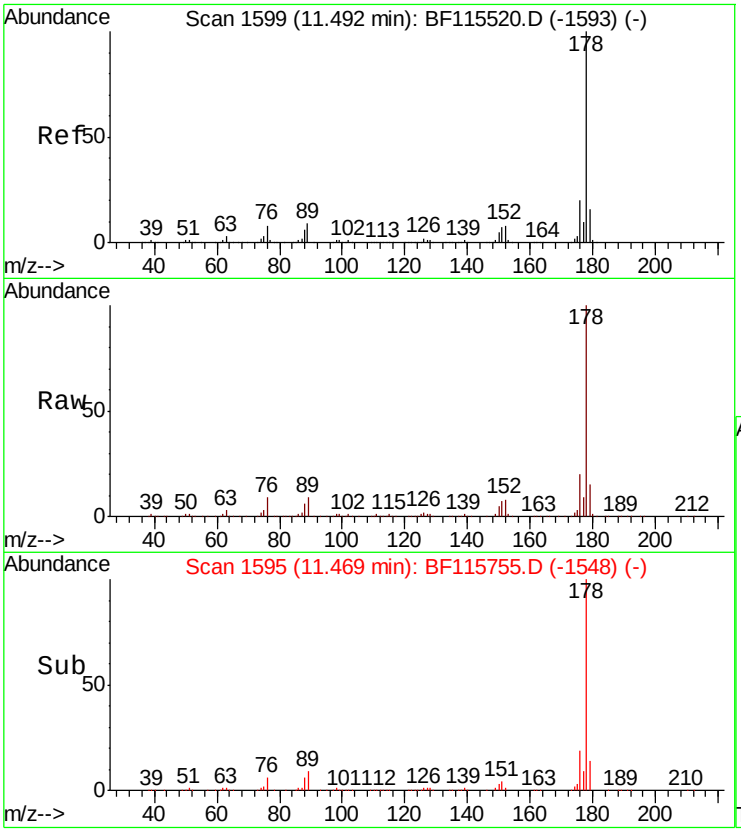


#71
Phenanthrene
Concen: 70.721 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:178 Resp: 1930387

Ion	Ratio	Lower	Upper
178	100		
176	21.0	17.2	25.8
179	16.7	13.5	20.3



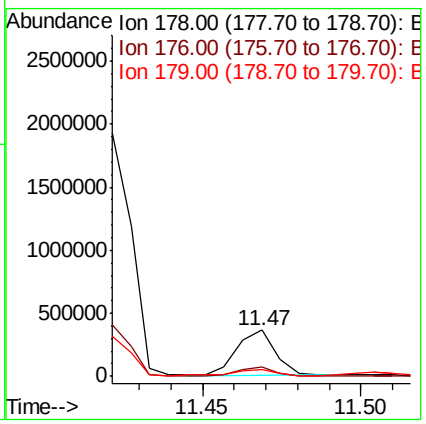


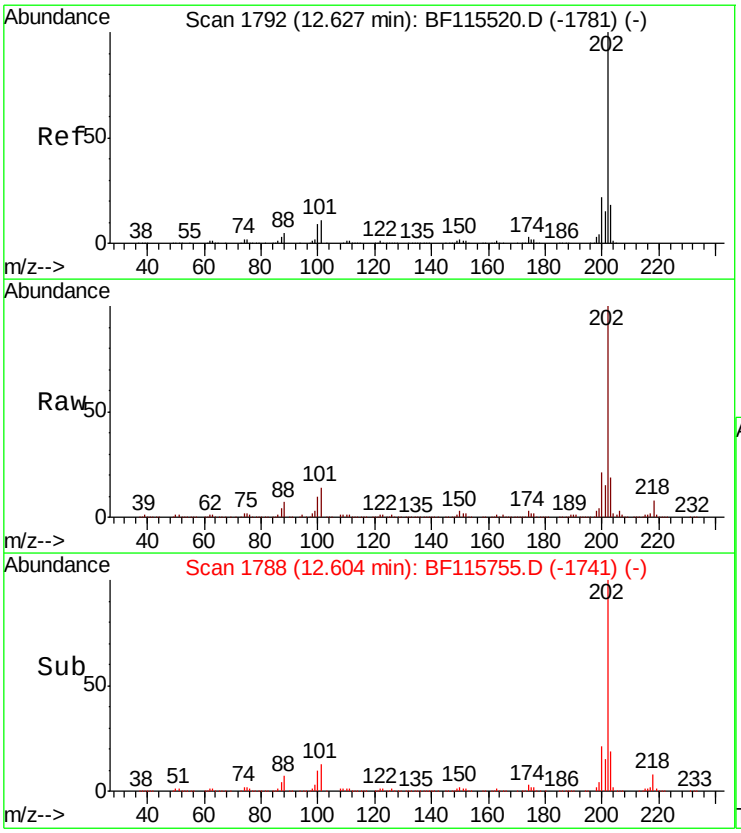
#72
Anthracene
Concen: 10.485 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:178 Resp: 295773

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.2	12.7	19.1

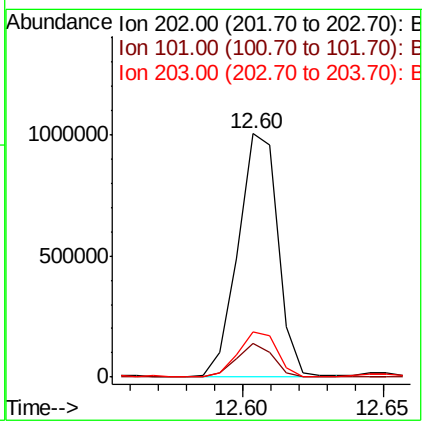


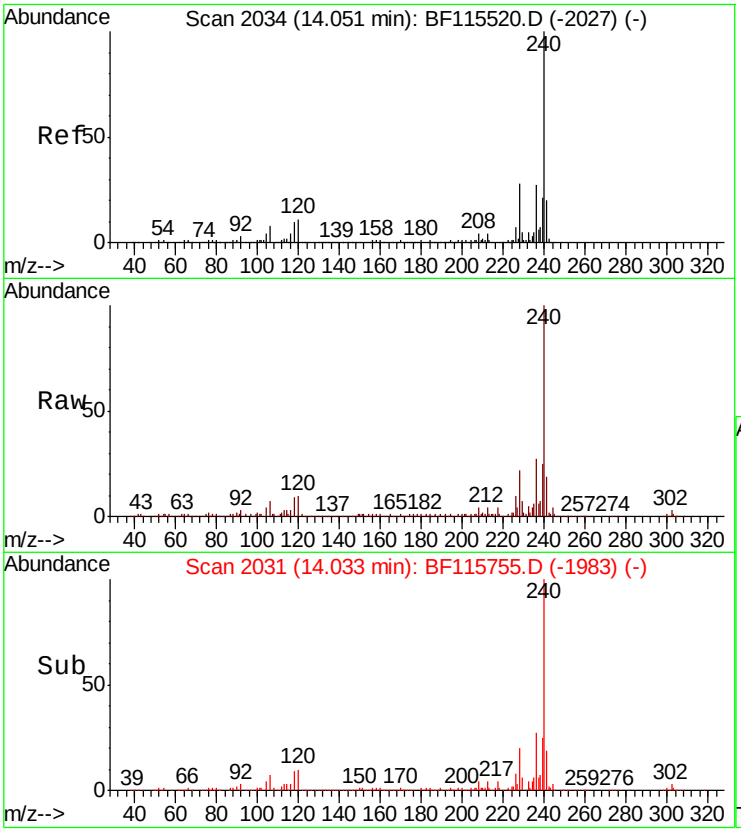


#75
Fluoranthene
Concen: 33.988 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:202 Resp: 980356

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.4
203	18.8	0.0	38.1



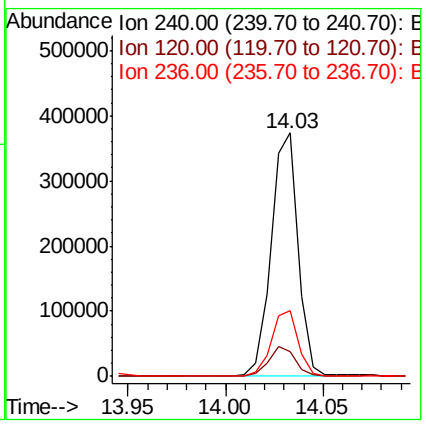


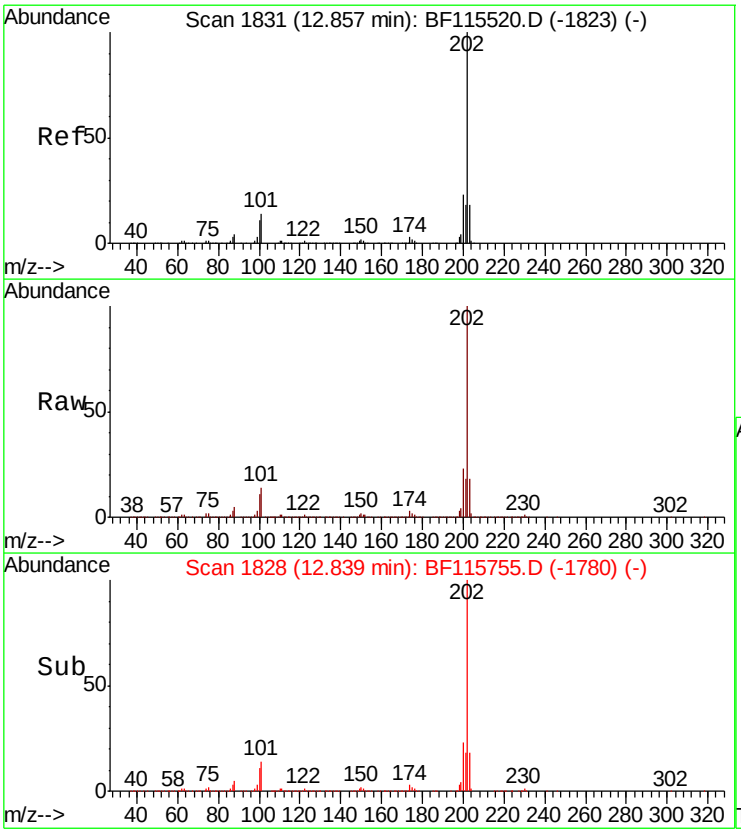
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:240 Resp: 355912

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	26.8	21.3	31.9

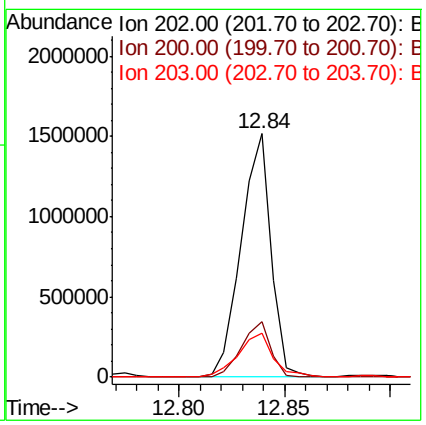


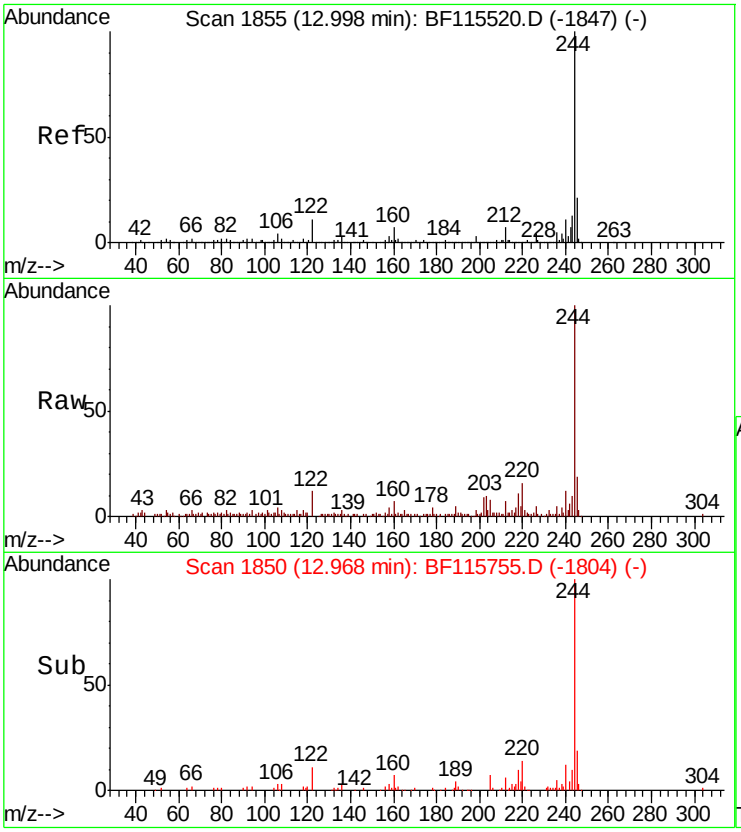


#78
Pyrene
Concen: 49.484 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:202 Resp: 1492140

Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.7	28.1
203	18.2	15.2	22.8



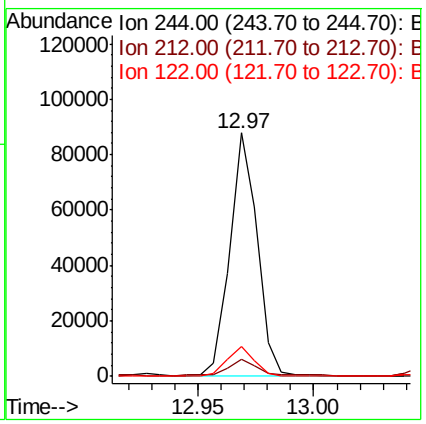


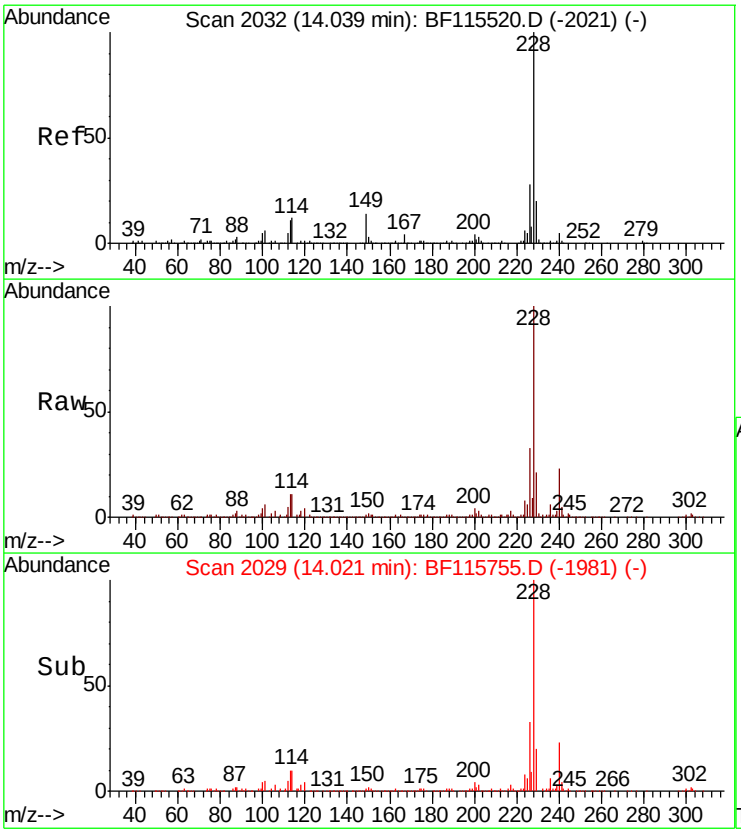
#79
Terphenyl-d14
Concen: 3.779 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.03 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:244 Resp: 72891

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	12.0	8.6	12.8

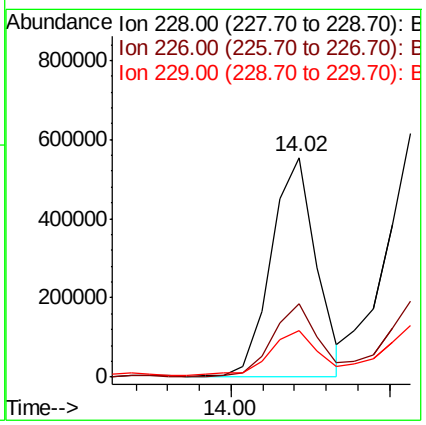


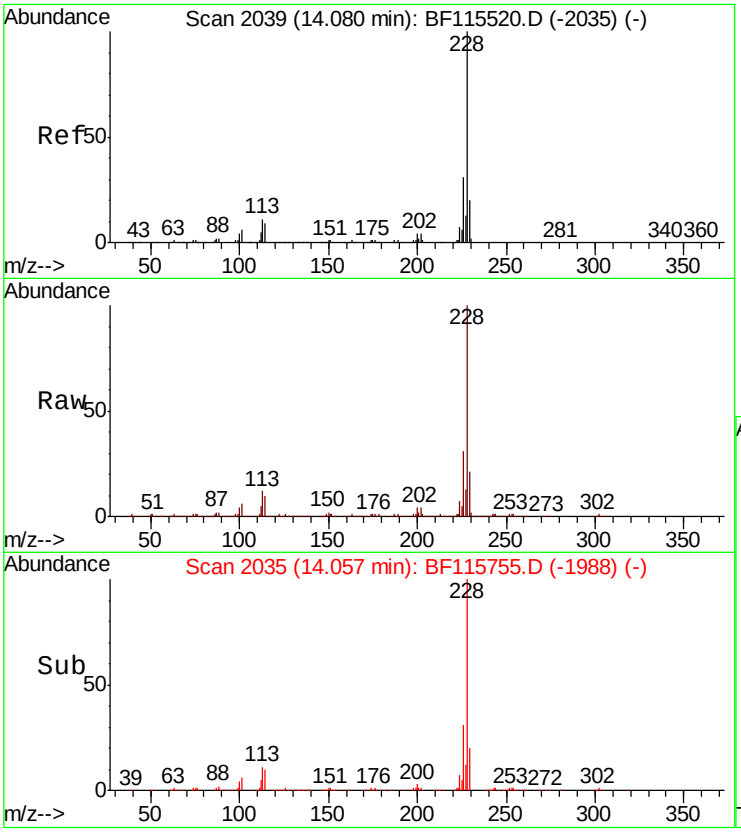


#81
Benzo(a)anthracene
Concen: 23.258 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:228 Resp: 545347

Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.4	35.0
229	21.3	17.2	25.8



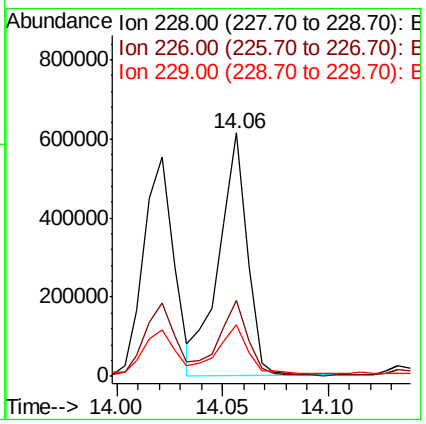


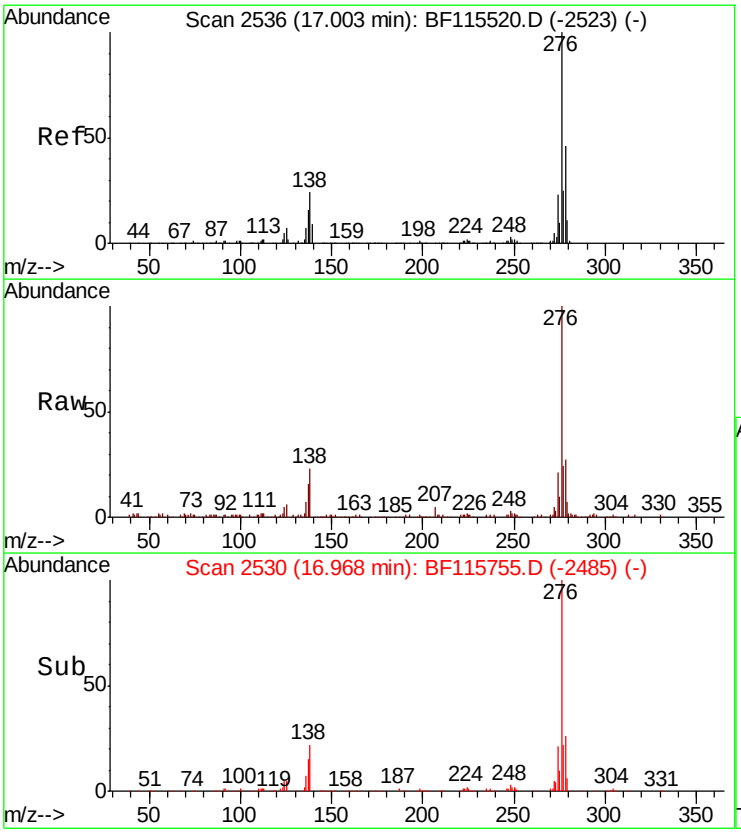
#83
Chrysene
Concen: 23.987 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:228 Resp: 564614

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.7	38.5
229	21.4	16.6	25.0

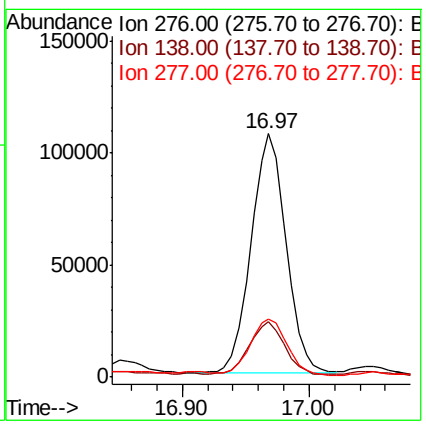


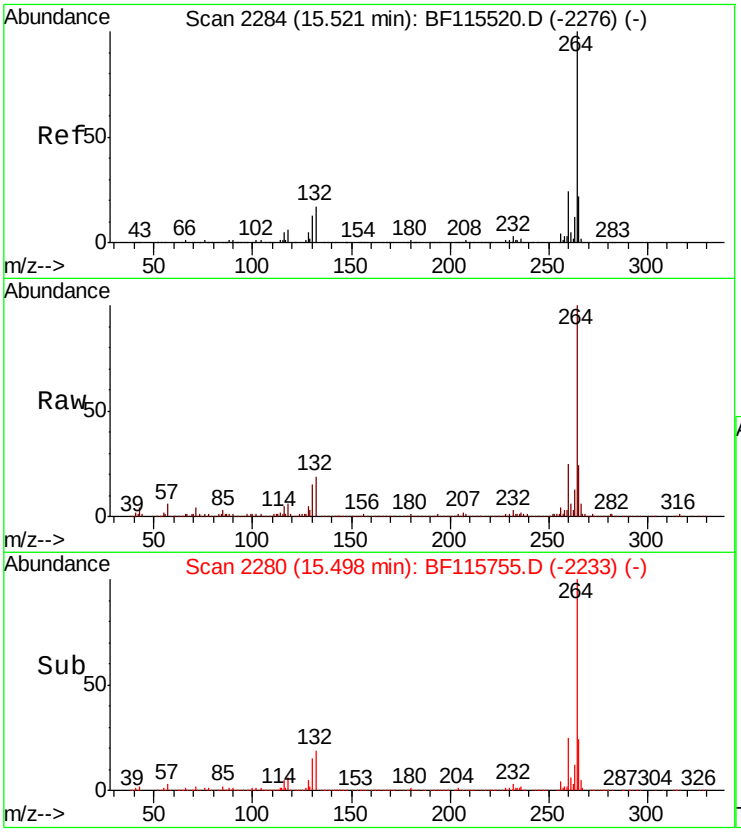


#86
Indeno(1,2,3-cd)pyrene
Concen: 10.258 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:276 Resp: 205139

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.2
277	24.4	20.4	30.6



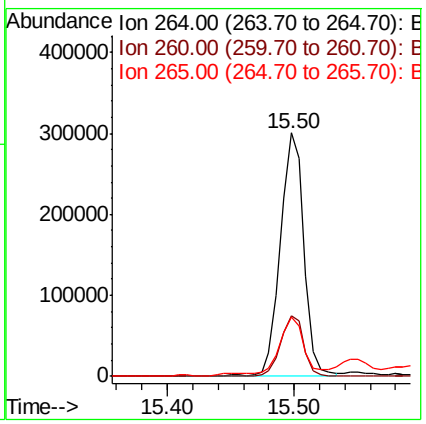


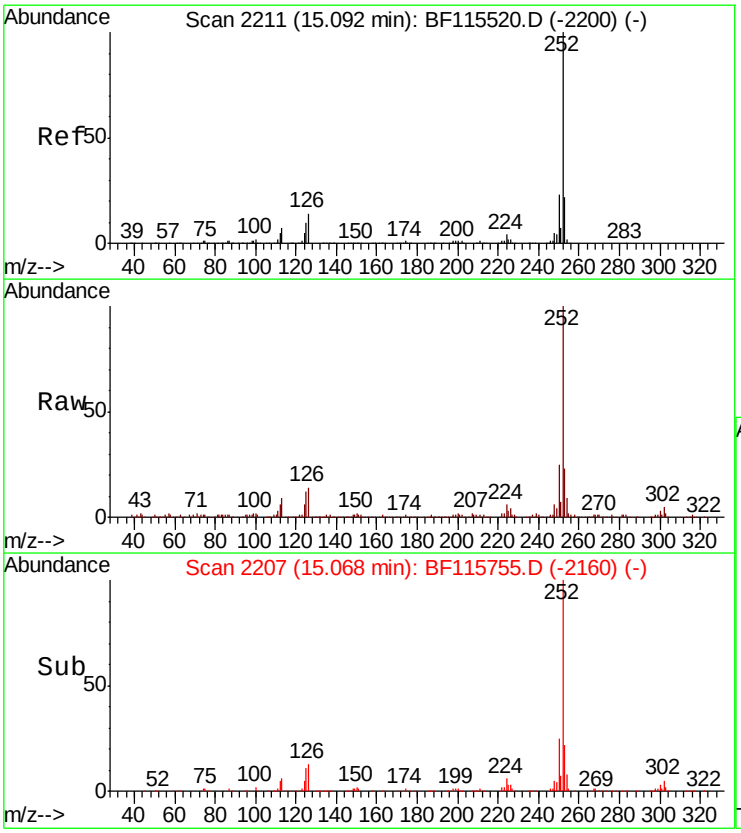
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:264 Resp: 390277

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	24.3	17.7	26.5

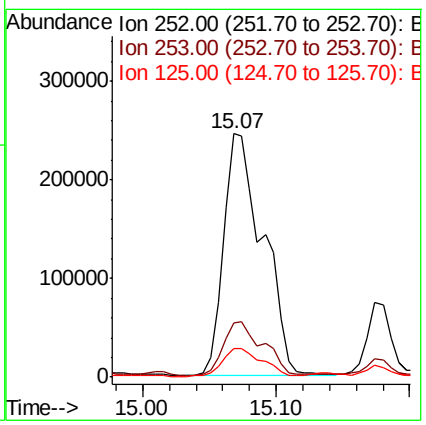


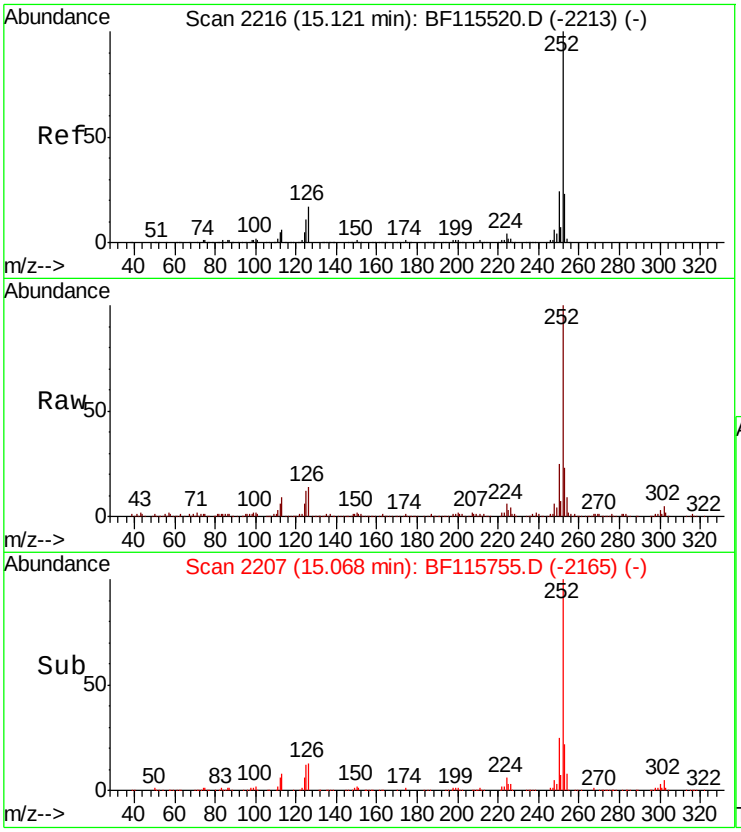


#88
Benzo(b)fluoranthene
Concen: 20.021 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:252 Resp: 503146

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.9	9.0	13.4



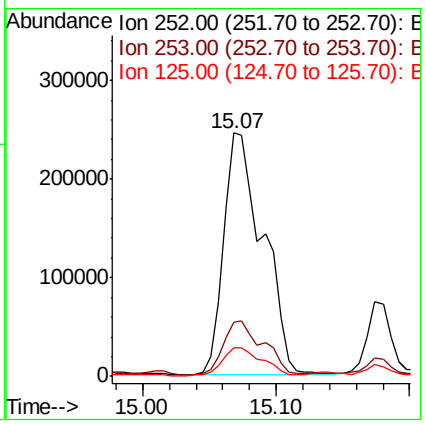


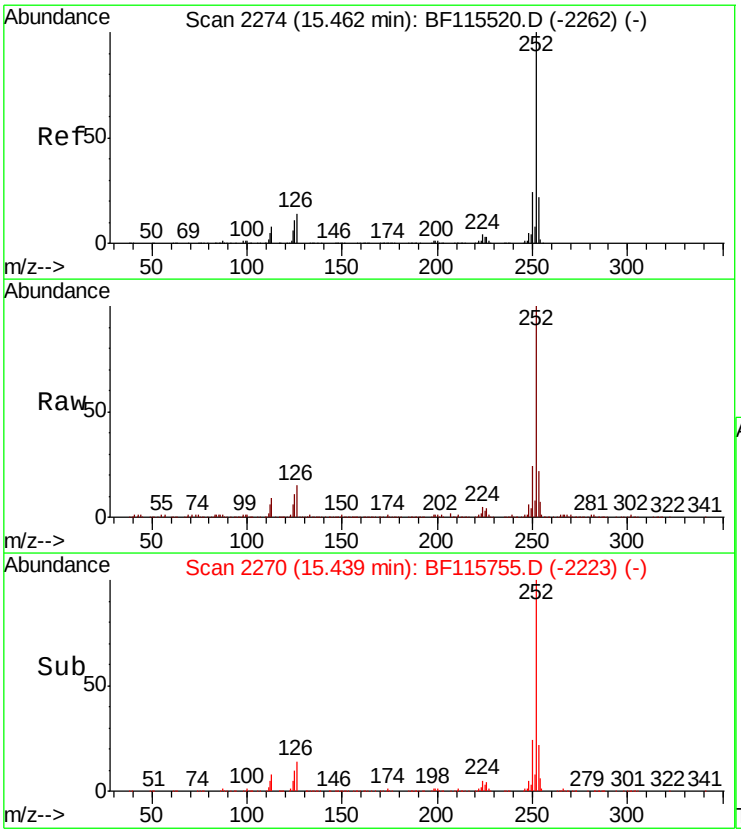
#89
Benzo(k)fluoranthene
Concen: 22.456 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:252 Resp: 503146

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	28.0
125	11.9	9.0	13.6

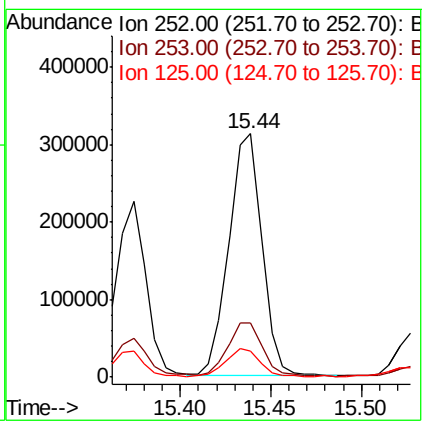


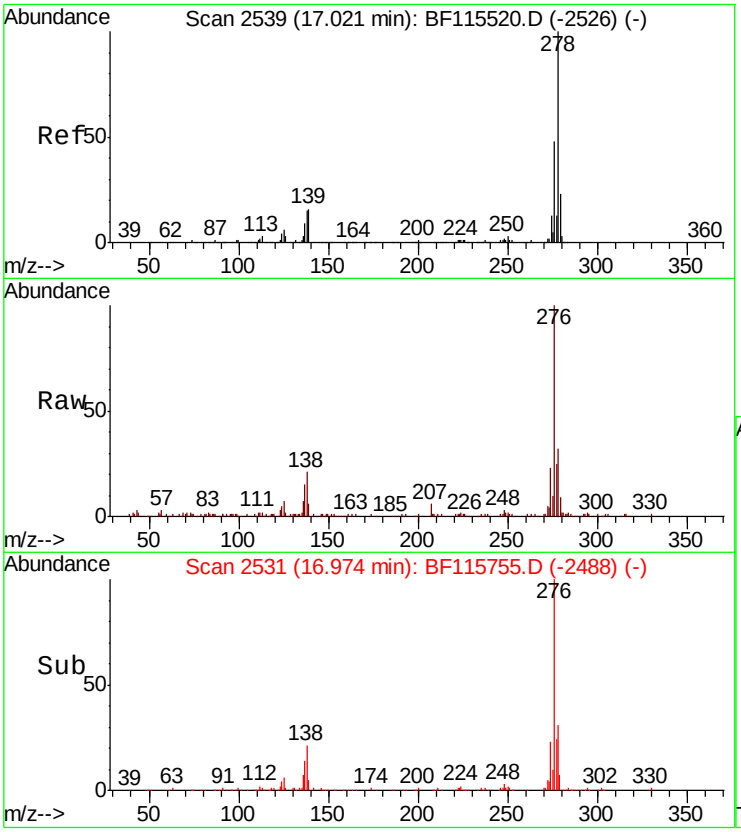


#90
Benzo(a)pyrene
Concen: 18.390 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:252 Resp: 397219

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	10.8	9.1	13.7



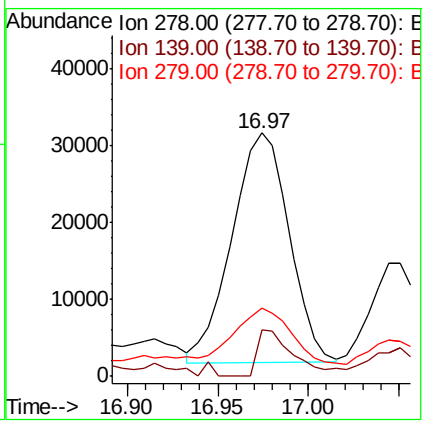


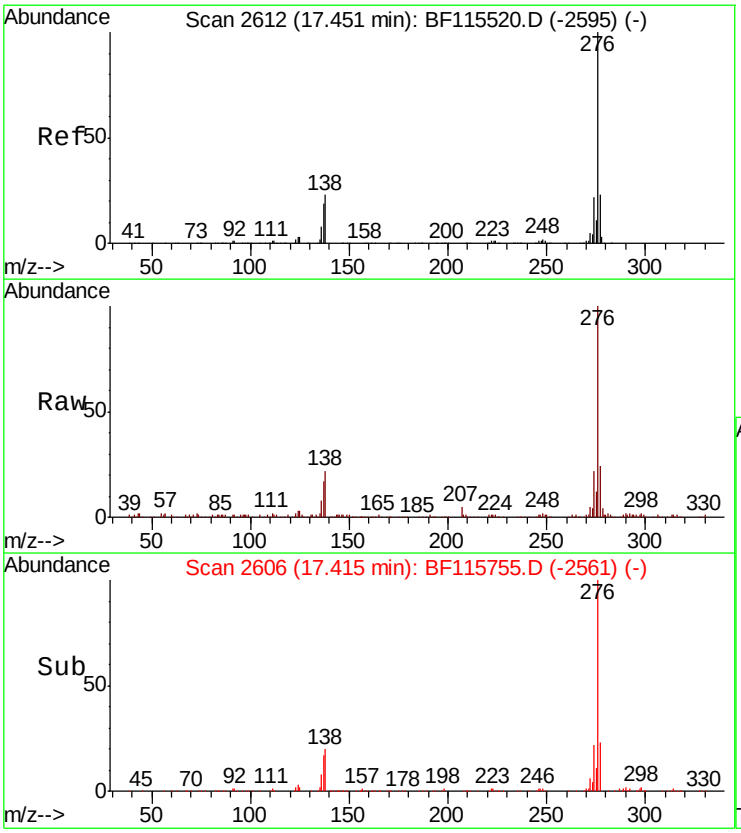
#91
Dibenzo(a,h)anthracene
Concen: 3.474 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Instrument :
BNA_F
ClientSampleId :
AOC-7(2)DL

Tgt Ion:278 Resp: 65873

Ion	Ratio	Lower	Upper
278	100		
139	19.3	13.1	19.7
279	28.0	19.6	29.4





#92
Benzo(g,h,i)perylene
Concen: 12.520 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.04 min
Lab File: BF115755.D
Acq: 25 Jul 2019 12:38

Tgt Ion:276 Resp: 236770

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	22.4	17.2	25.8