Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113843.D
Acq On : 19 Apr 2019 4:40
Operator : JU/SJ
Sample : K2435-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 19 05:36:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	155987	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	518369	20.00	ng		0.00
39) Acenaphthene-d10	9.93	164	248136	20.00	ng		0.00
64) Phenanthrene-d10	11.42	188	528979	20.00	ng		0.01
76) Chrysene-d12	14.06	240	428244	20.00	ng		0.02
87) Perylene-d12	15.53	264	378938	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	819944	87.40	ng		0.00
7) Phenol-d6	6.52	99	985685	84.25	ng		0.00
23) Nitrobenzene-d5	7.45	82	561526	65.97	ng		0.00
42) 2,4,6-Tribromophenol	10.72	330	284138	103.65	ng		0.00
45) 2-Fluorobiphenyl	9.25	172	1025897	63.05	ng		0.00
79) Terphenyl-d14	13.00	244	1407040	68.90	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.43	77	1155	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.45	70	77500	9.925	ng	#	77
25) Isophorone	7.45	82	559379	31.738	ng	#	65
31) Naphthalene	8.20	128	681617	27.799	ng		99
32) Benzoic acid	7.95	122	2825	6.442	ng	#	35
33) 4-Chloroaniline	8.20	127	89398	8.595	ng	#	32
37) 2-Methylnaphthalene	8.89	142	257490	15.828	ng		99
38) 1-Methylnaphthalene	8.99	142	202761	12.845	ng		99
46) 1,1'-Biphenyl	9.35	154	122681	6.534	ng		97
49) Acenaphthylene	9.79	152	322214	13.403	ng		99
50) Dimethylphthalate	9.64	163	134611	7.752	ng		100
52) Acenaphthene	9.96	154	350549	24.859	ng		99
54) 2,4-Dinitrophenol	10.23	184	134	8.936	ng	#	23
55) Dibenzofuran	10.13	168	678984	32.142	ng		97
56) 4-Nitrophenol	10.13	139	238297	72.158	ng	#	15
58) Fluorene	10.48	166	498144	31.612	ng		99
65) 4,6-Dinitro-2-methylphenol	10.67	198	108	6.970	ng	#	1
71) Phenanthrene	11.46	178	4521029	167.810	ng		95
72) Anthracene	11.50	178	1447245	53.308	ng		100
73) Carbazole	11.64	167	745956	30.263	ng		100
75) Fluoranthene	12.64	202	4843381	169.631	ng		96
78) Pyrene	12.87	202	4479372	148.417	ng		95
81) Benzo(a)anthracene	14.05	228	2817731	112.560	ng		96
83) Chrysene	14.09	228	2227042	89.631	ng		97
86) Indeno(1,2,3-cd)pyrene	17.02	276	840909	41.457	ng		96
88) Benzo(b)fluoranthene	15.11	252	3079817	130.374	ng	#	96
89) Benzo(k)fluoranthene	15.11	252	3079817	143.141	ng		97
90) Benzo(a)pyrene	15.47	252	1619569	77.535	ng		98
91) Dibenzo(a,h)anthracene	17.02	278	243237	13.087	ng		95
92) Benzo(g,h,i)perylene	17.46	276	746282	39.505	ng		99

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

Quantitation Report (Not Reviewed)

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Acq On : 19 Apr 2019 4:40
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 19 05:36:38 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
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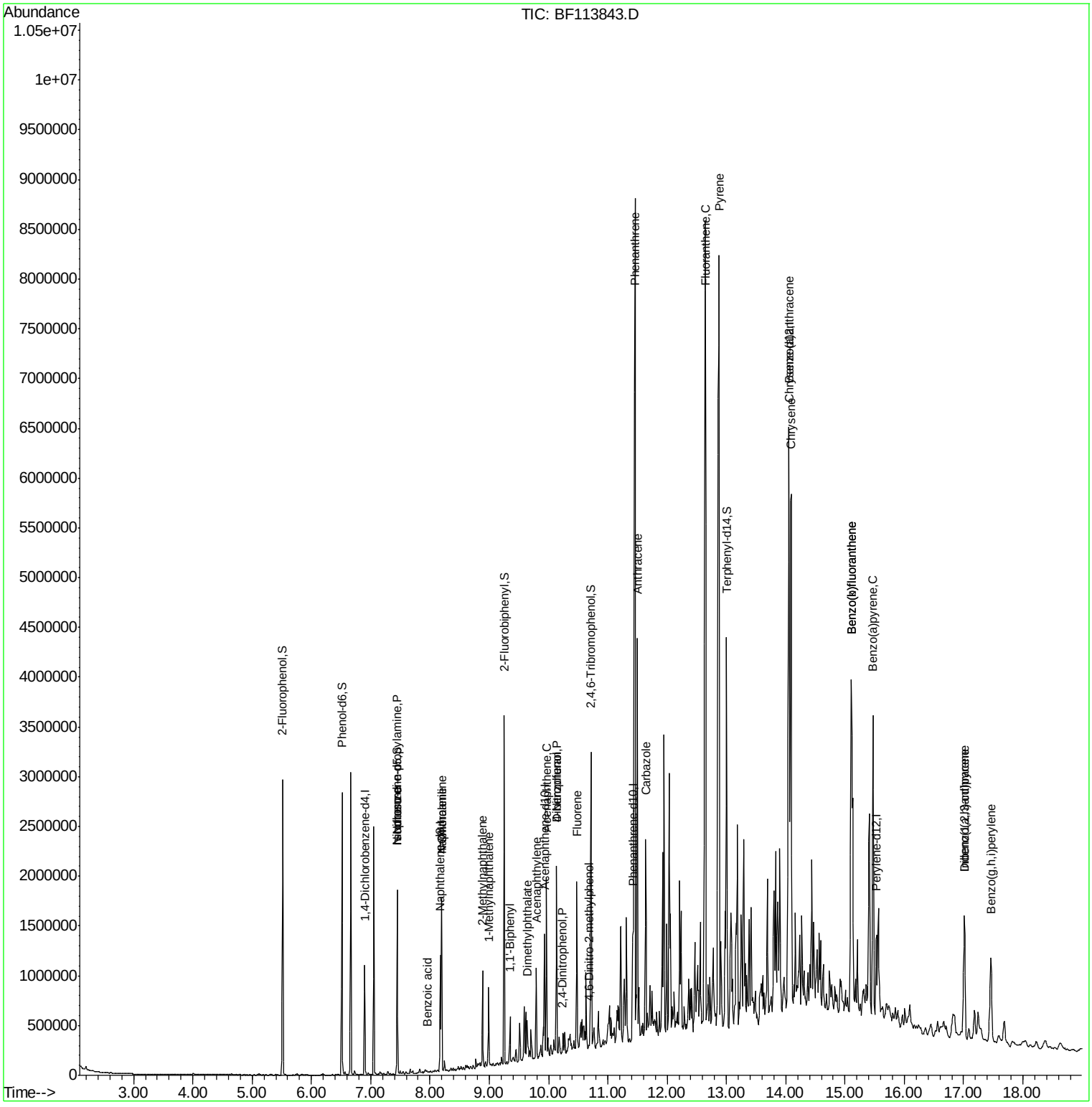
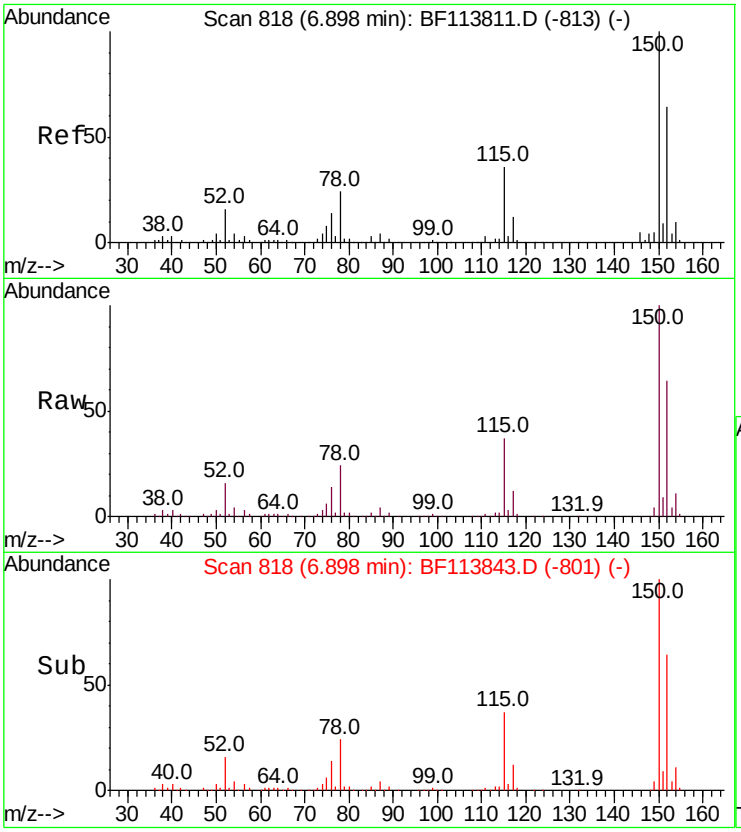


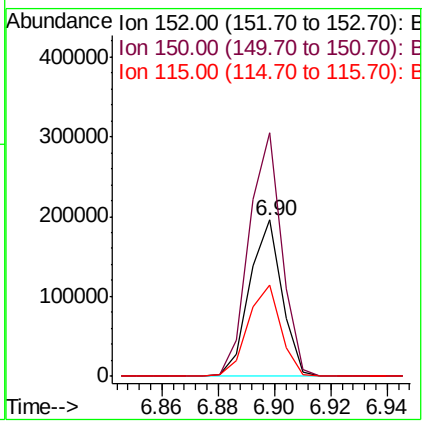


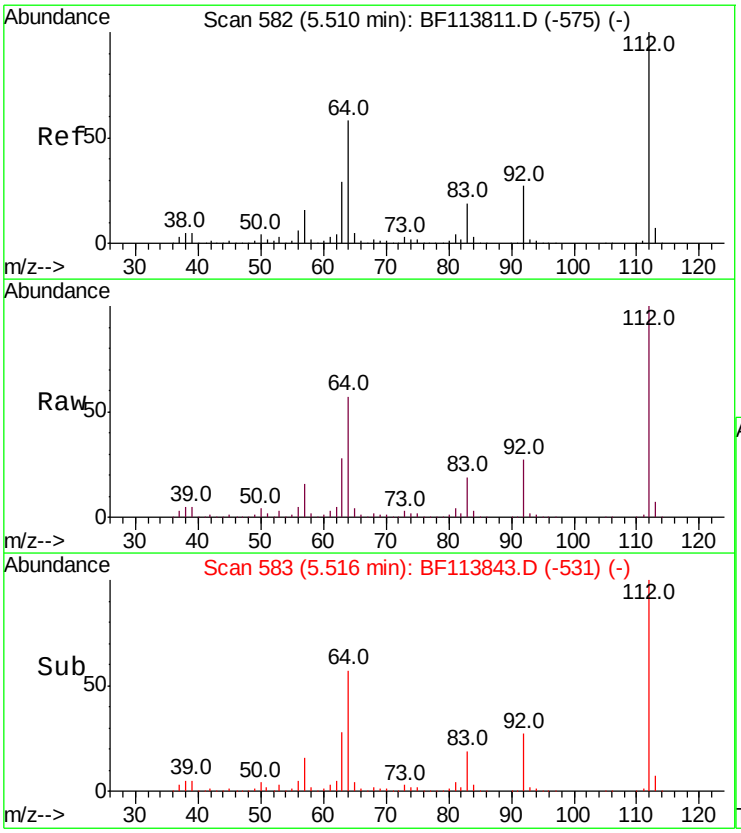
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 155987

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	58.4	45.9	68.9

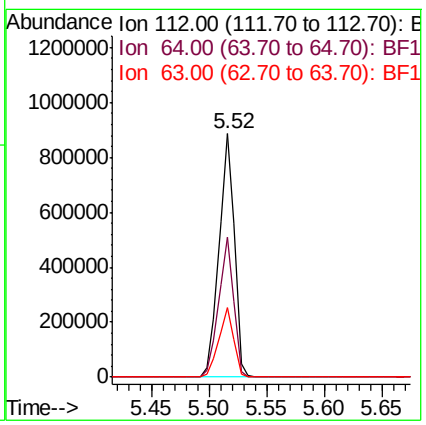


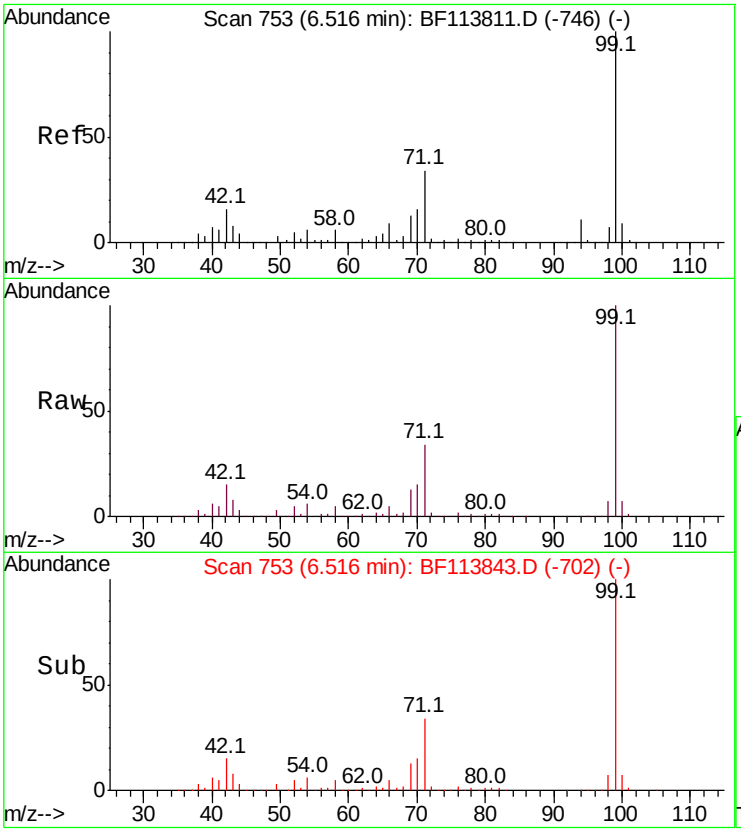


#5
2-Fluorophenol
Concen: 87.404 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:112 Resp: 819944

Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	69.8
63	28.4	23.1	34.7



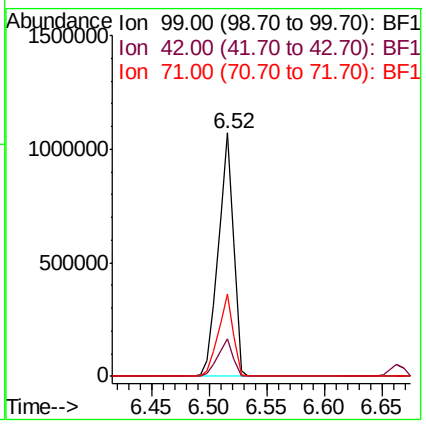


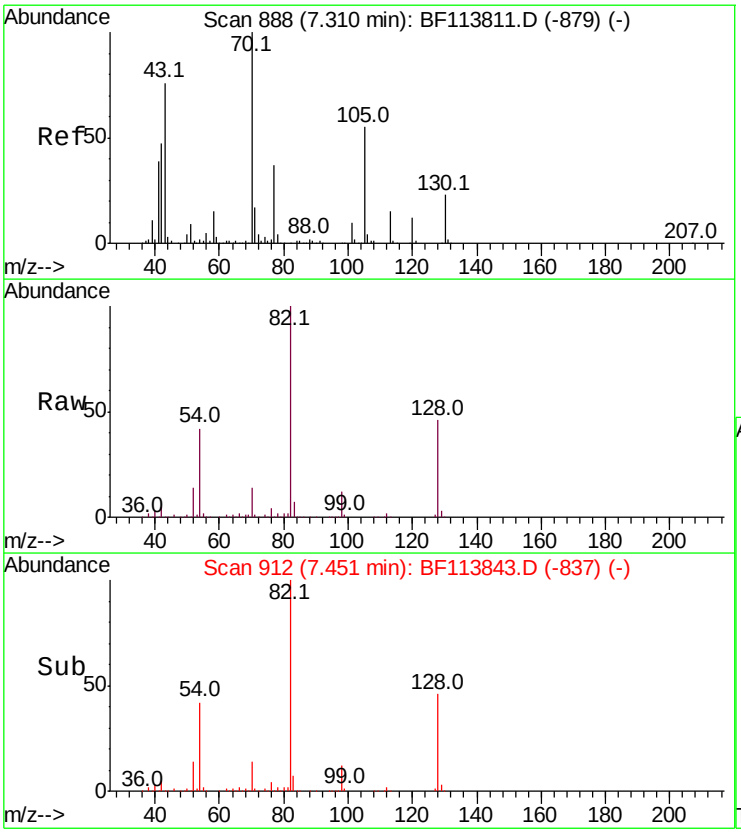
#7
Phenol-d6
Concen: 84.254 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 985685

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.5	18.7
71	33.9	26.9	40.3

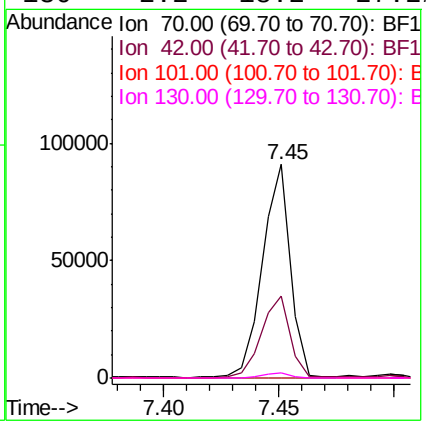


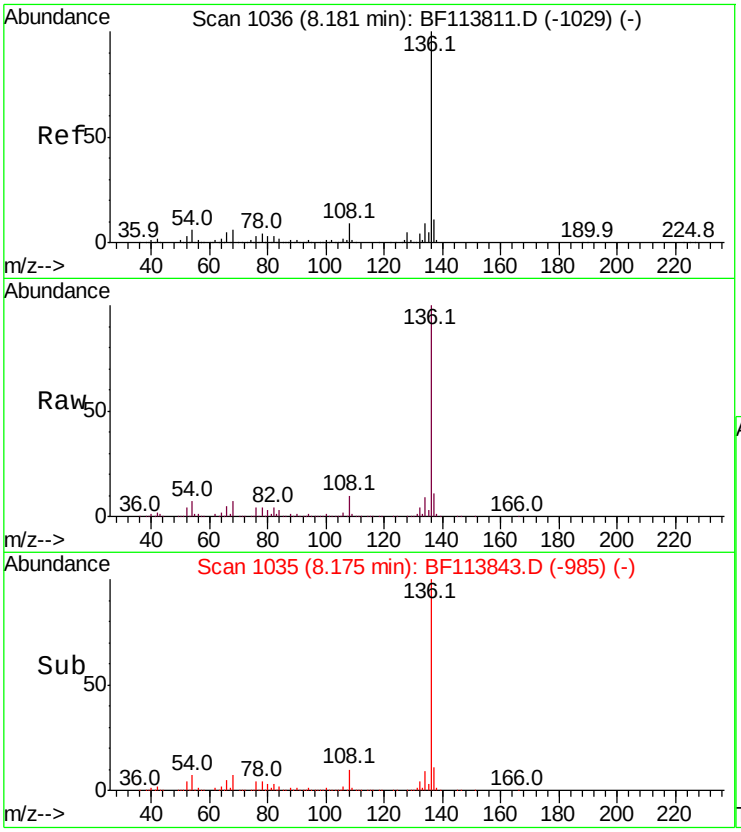


#19
n-Nitroso-di-n-propylamine
Concen: 9.925 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion: 70 Resp: 77500

Ion	Ratio	Lower	Upper
70	100		
42	38.5	37.3	55.9
101	0.0	7.8	11.8#
130	2.2	18.2	27.2#

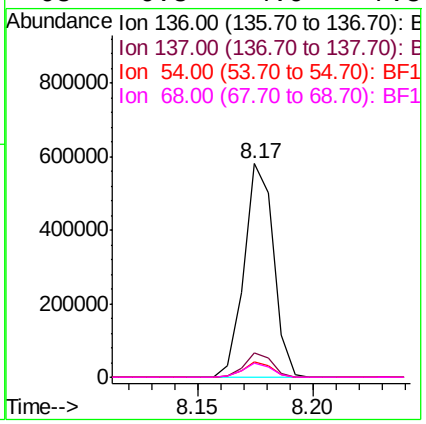




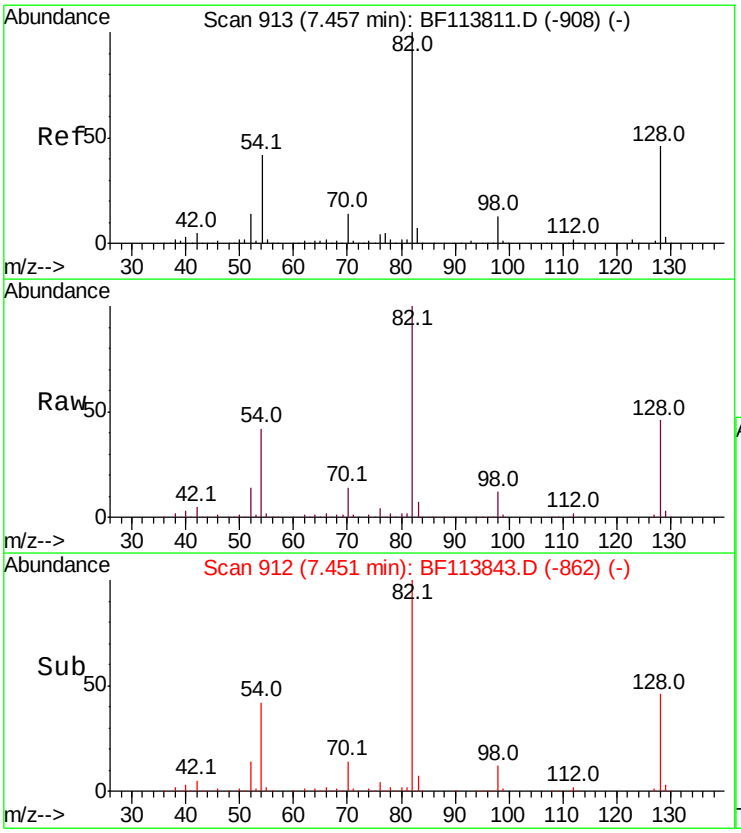
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:136 Resp: 518369

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	7.0	5.0	7.6
68	6.8	4.9	7.3



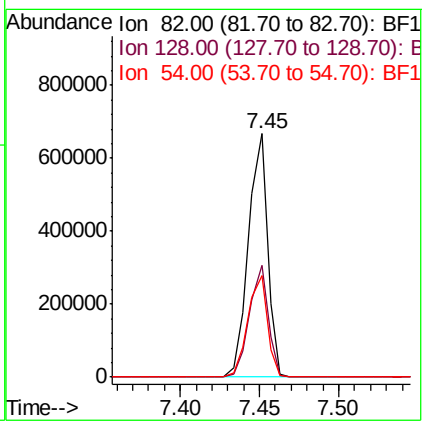
Instrument :
BNA_F
ClientSampleId :

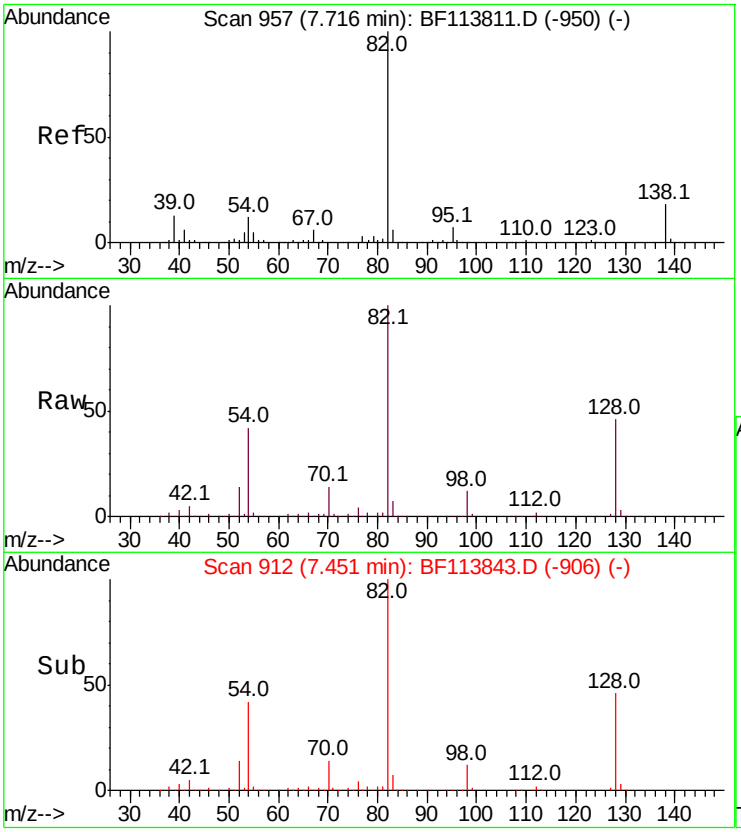


#23
Nitrobenzene-d5
Concen: 65.966 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion: 82 Resp: 561526

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.8	55.2
54	41.8	33.8	50.6



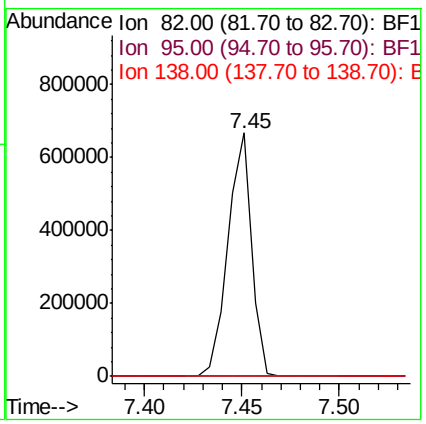


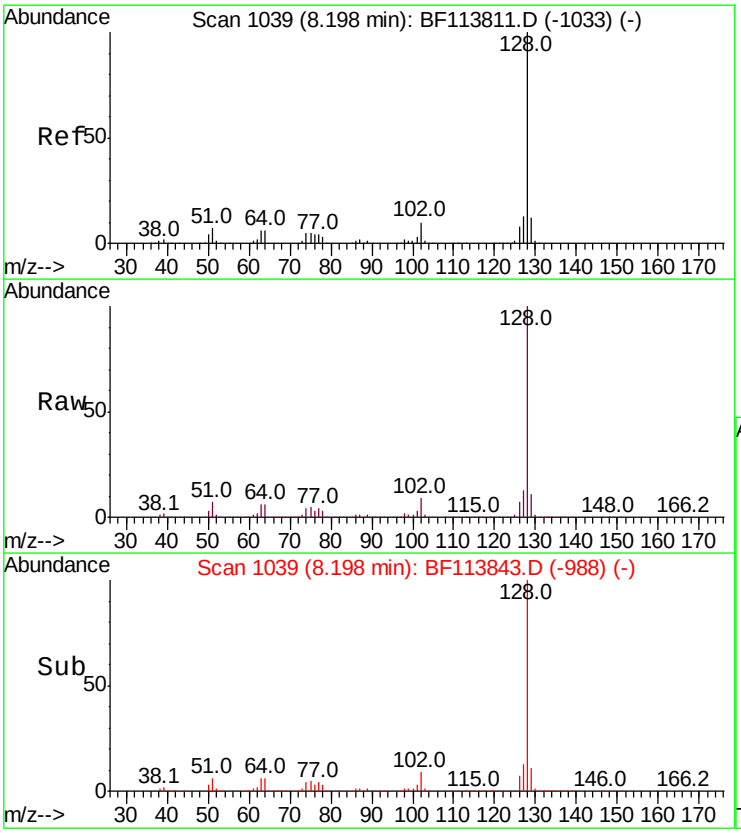
#25
Isophorone
Concen: 31.738 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 559379

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.2#
138	0.0	14.6	22.0#

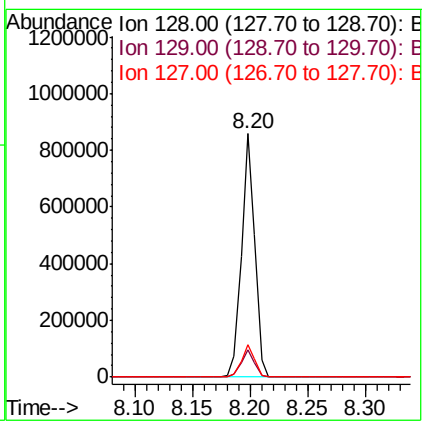


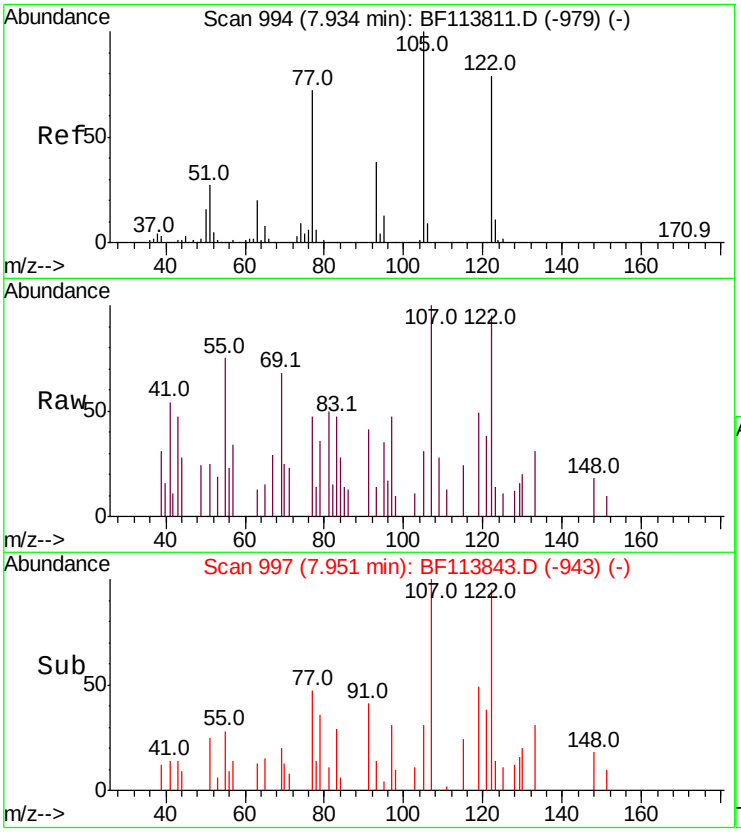


#31
Naphthalene
Concen: 27.799 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:128 Resp: 681617

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.0
127	13.1	10.8	16.2



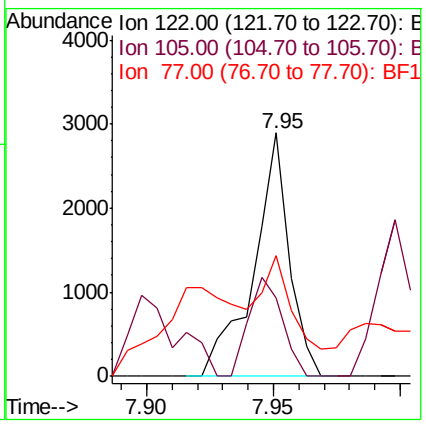


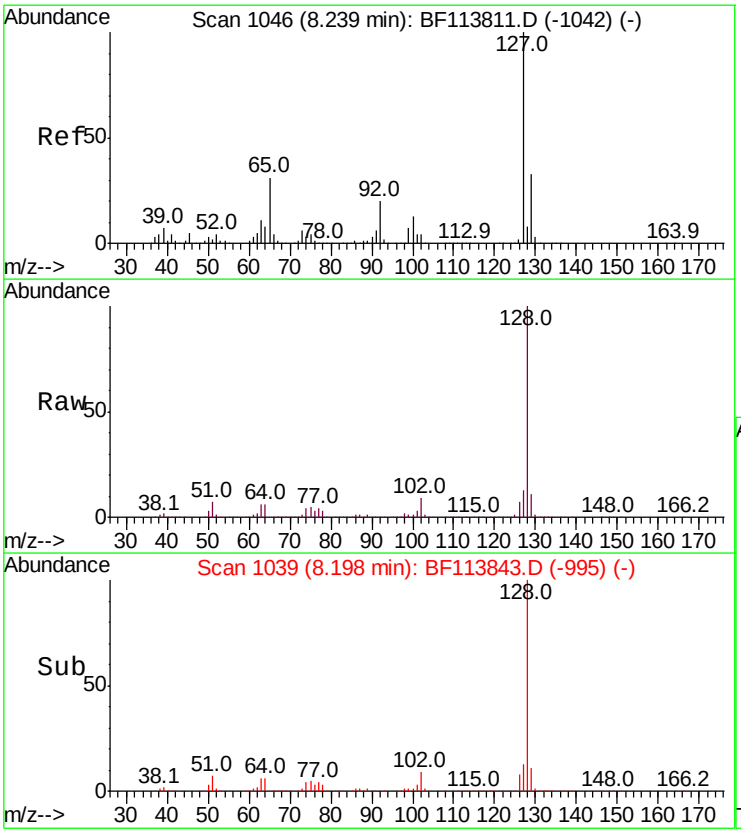
#32
Benzoic acid
Concen: 6.442 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 2825

Ion	Ratio	Lower	Upper
122	100		
105	32.5	104.3	144.3#
77	49.6	70.4	110.4#

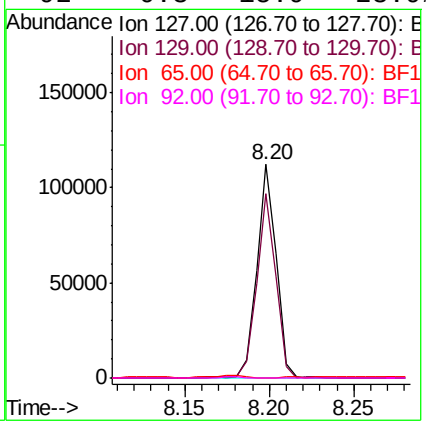


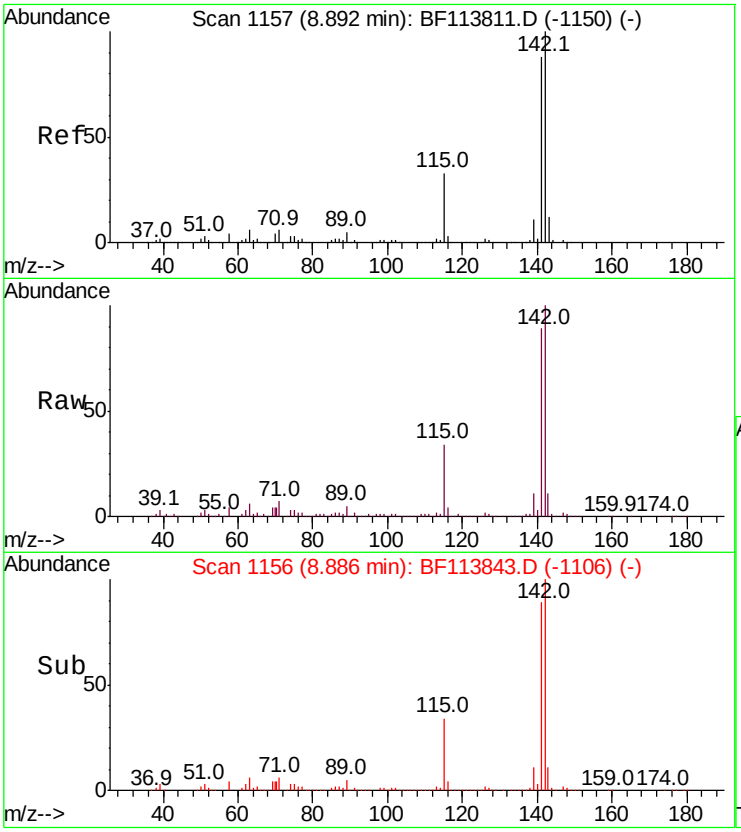


#33
4-Chloroaniline
Concen: 8.595 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.04 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:127 Resp: 89398

Ion	Ratio	Lower	Upper
127	100		
129	86.2	26.4	39.6#
65	0.0	24.9	37.3#
92	0.3	15.9	23.9#



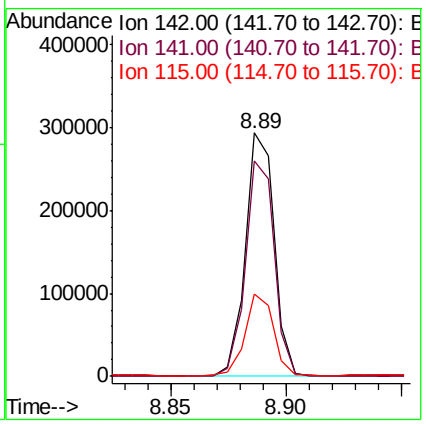


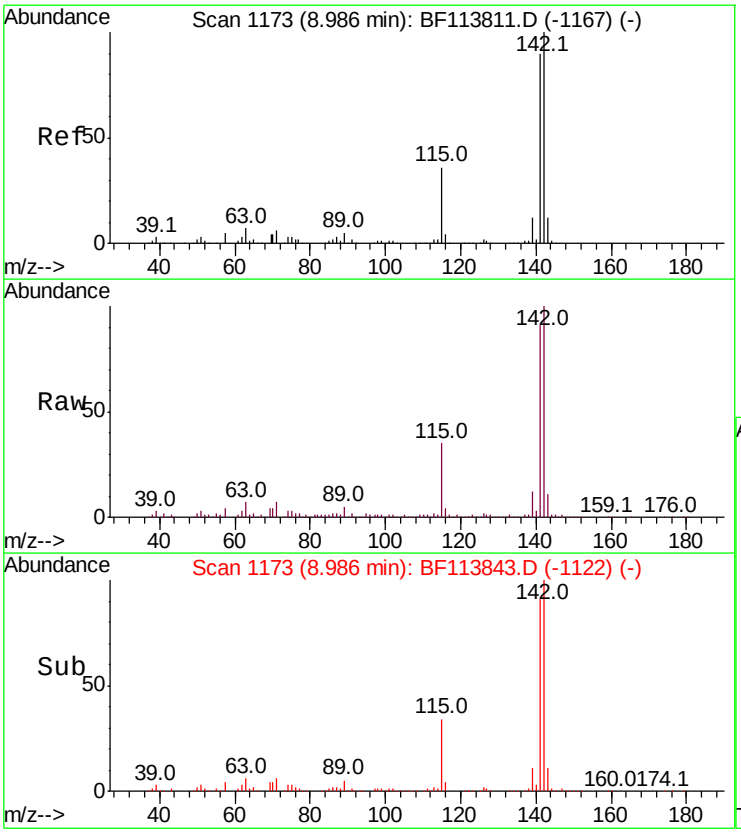
#37
2-Methylnaphthalene
Concen: 15.828 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 257490

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	33.6	26.3	39.5

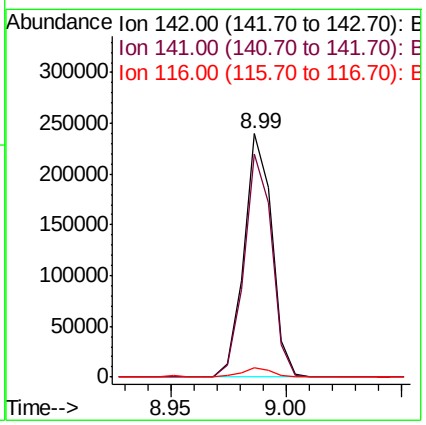


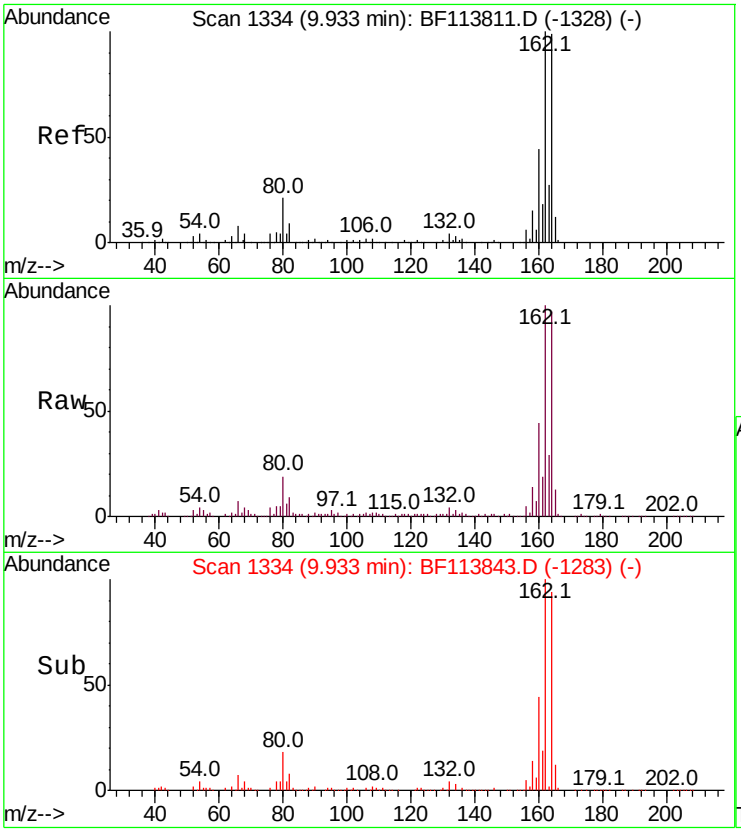


#38
1-Methylnaphthalene
Concen: 12.845 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:142 Resp: 202761

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.3	108.5
116	4.0	3.0	4.4



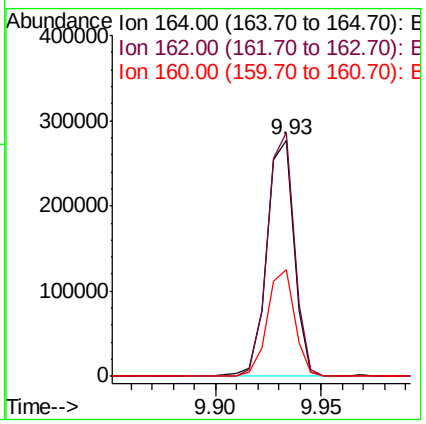


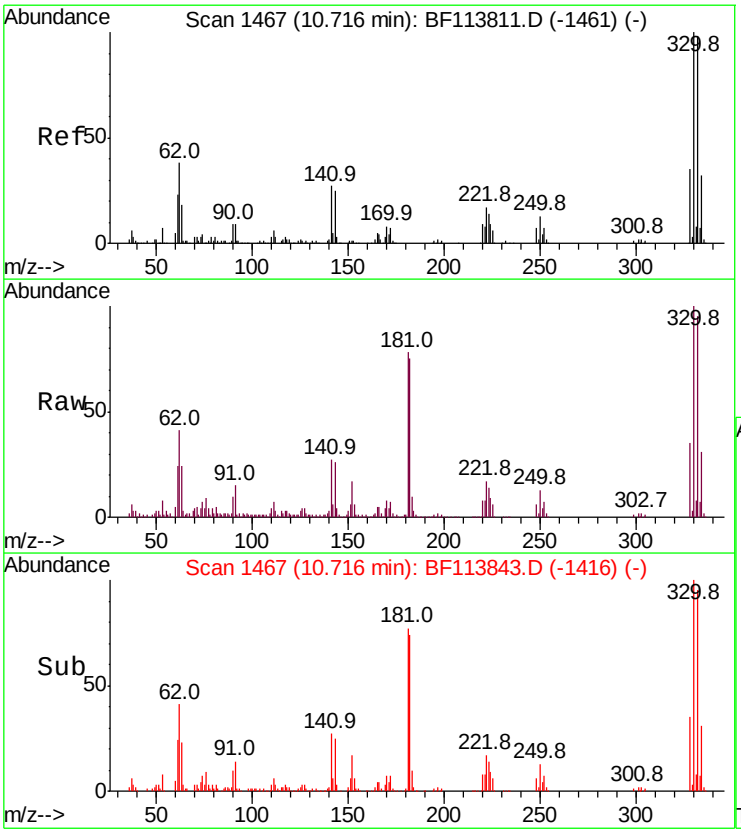
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 248136

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.1	121.7
160	45.2	35.8	53.6

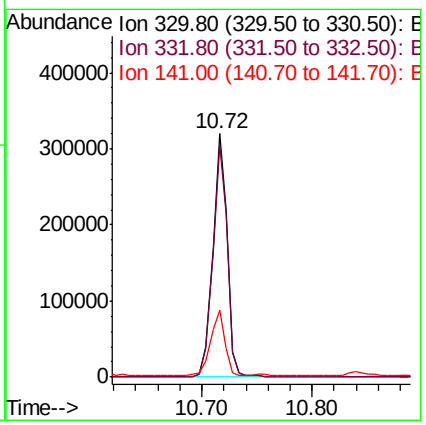


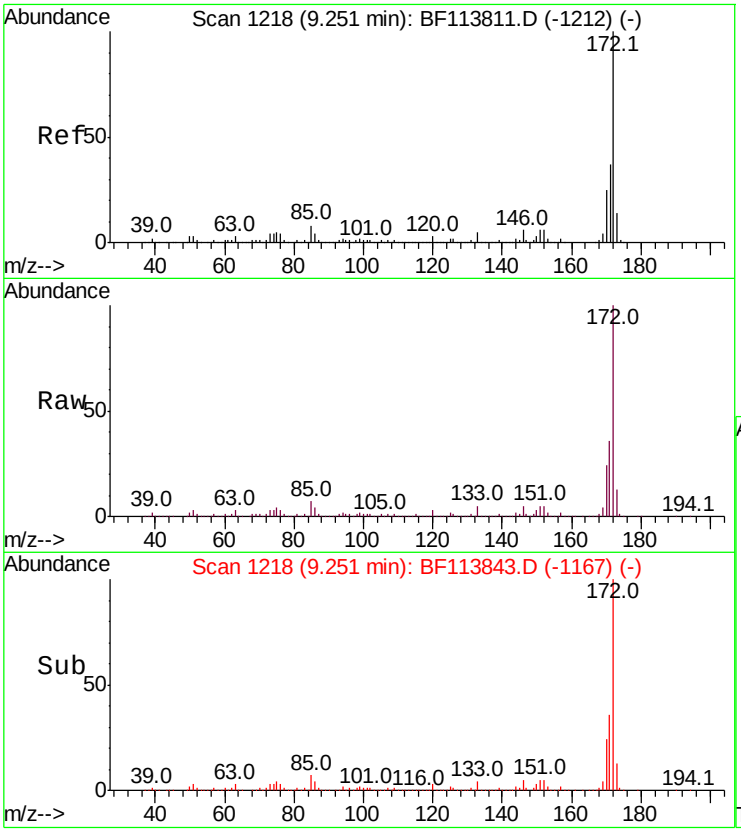


#42
2,4,6-Tribromophenol
Concen: 103.645 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:330 Resp: 284138

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	27.0	22.2	33.2



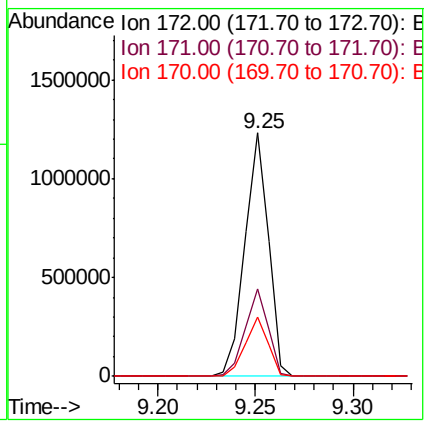


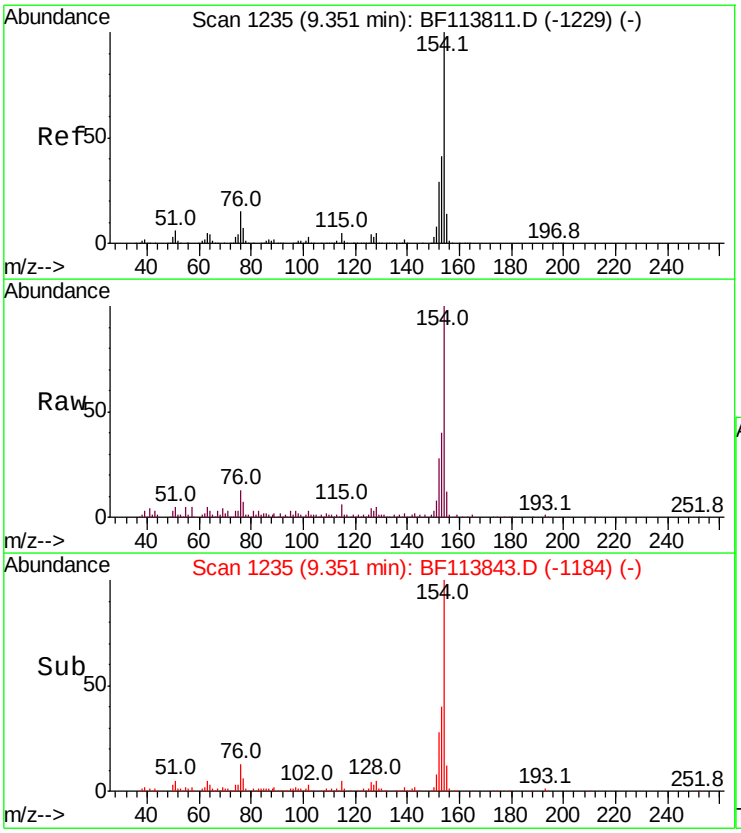
#45
2-Fluorobiphenyl
Concen: 63.051 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1025897

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.2	19.9	29.9

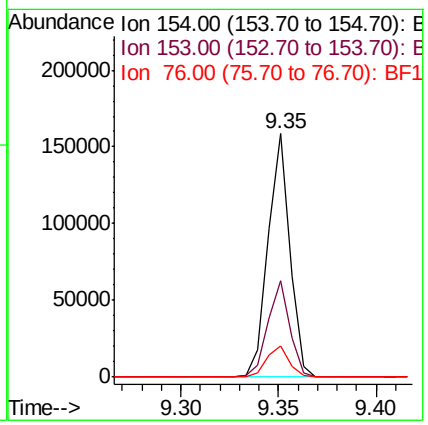


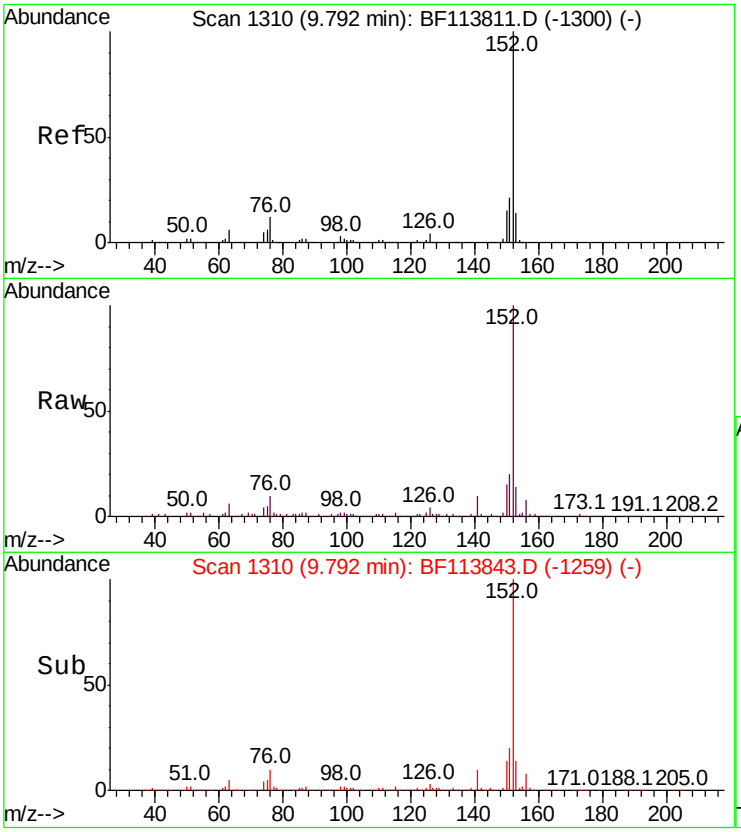


#46
1,1'-Biphenyl
Concen: 6.534 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:154 Resp: 122681

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.8	60.8
76	12.8	0.0	35.2



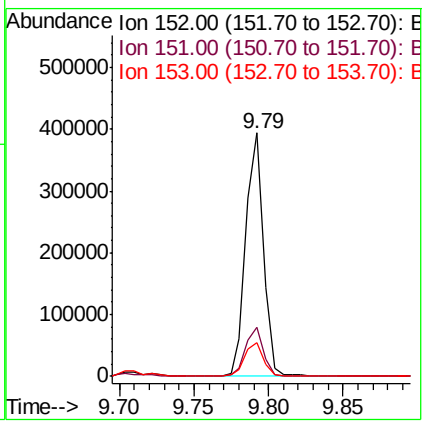


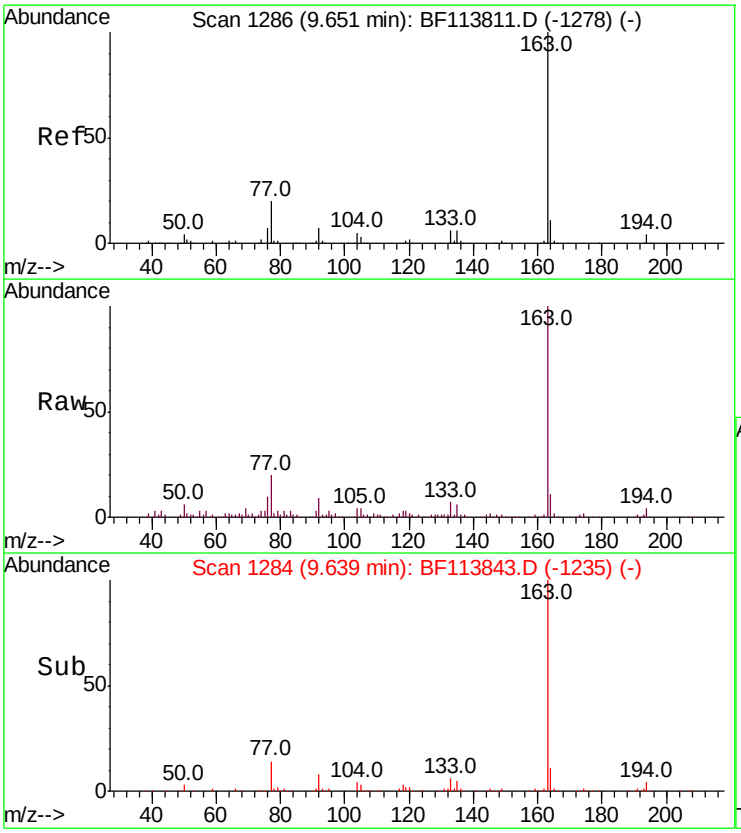
#49
Acenaphthylene
Concen: 13.403 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 322214

Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.0	25.4
153	14.1	11.0	16.6

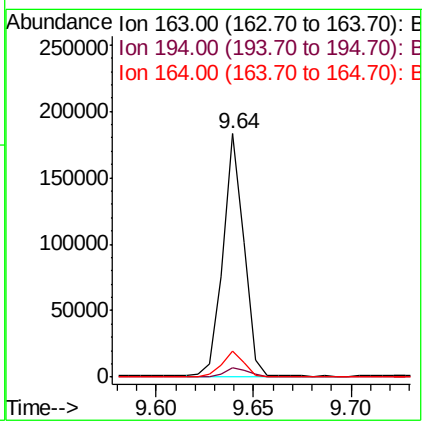


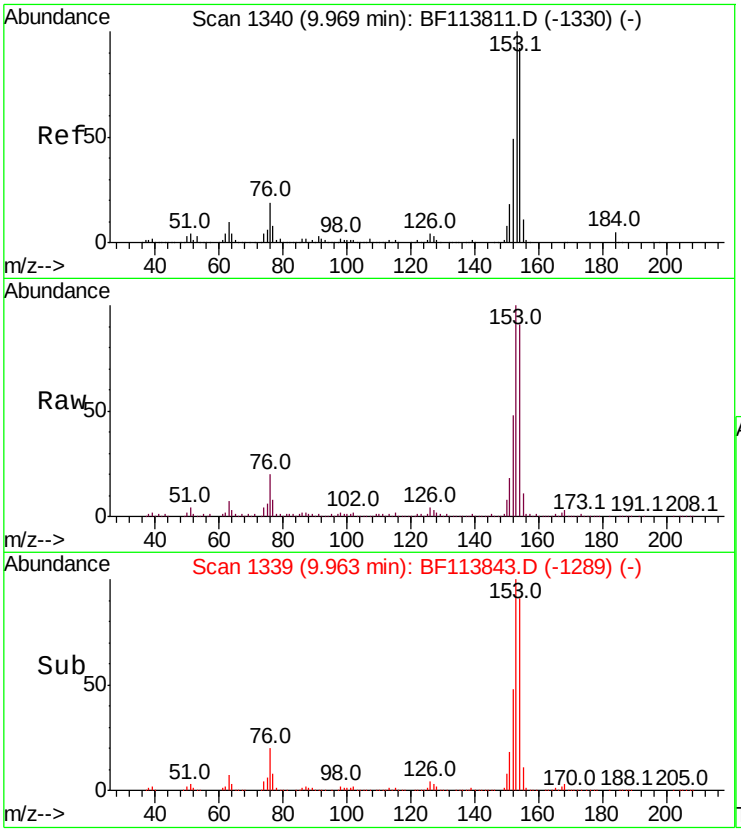


#50
Dimethylphthalate
Concen: 7.752 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:163 Resp: 134611

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	10.5	8.5	12.7



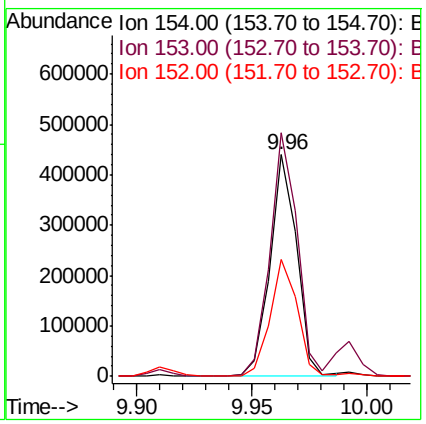


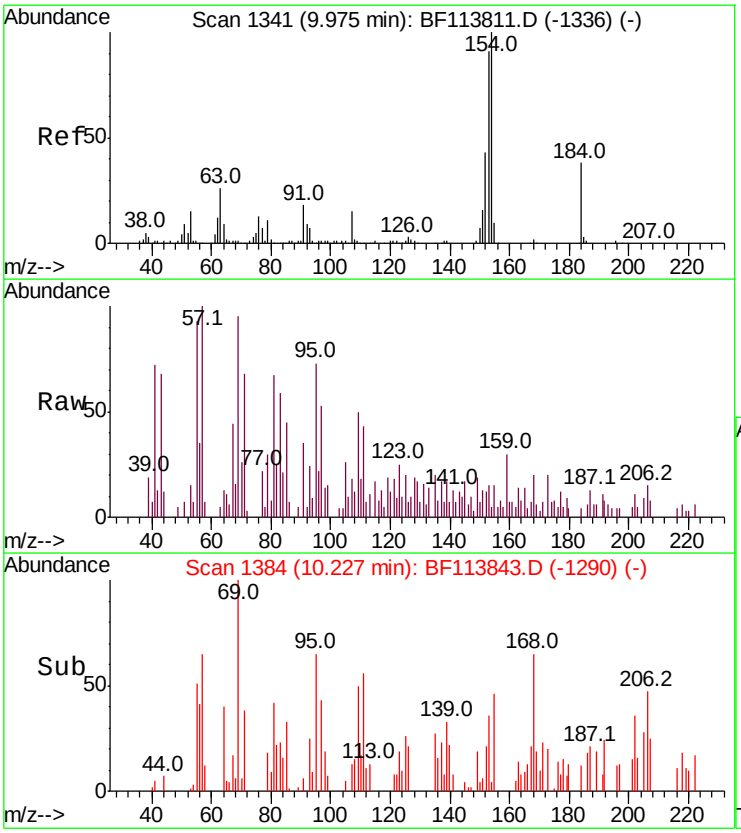
#52
Acenaphthene
Concen: 24.859 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 350549

Ion	Ratio	Lower	Upper
154	100		
153	110.0	87.2	130.8
152	52.9	42.3	63.5

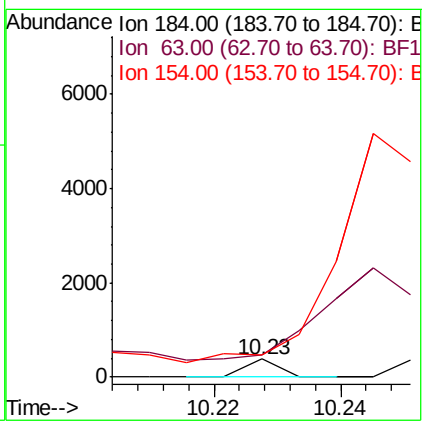


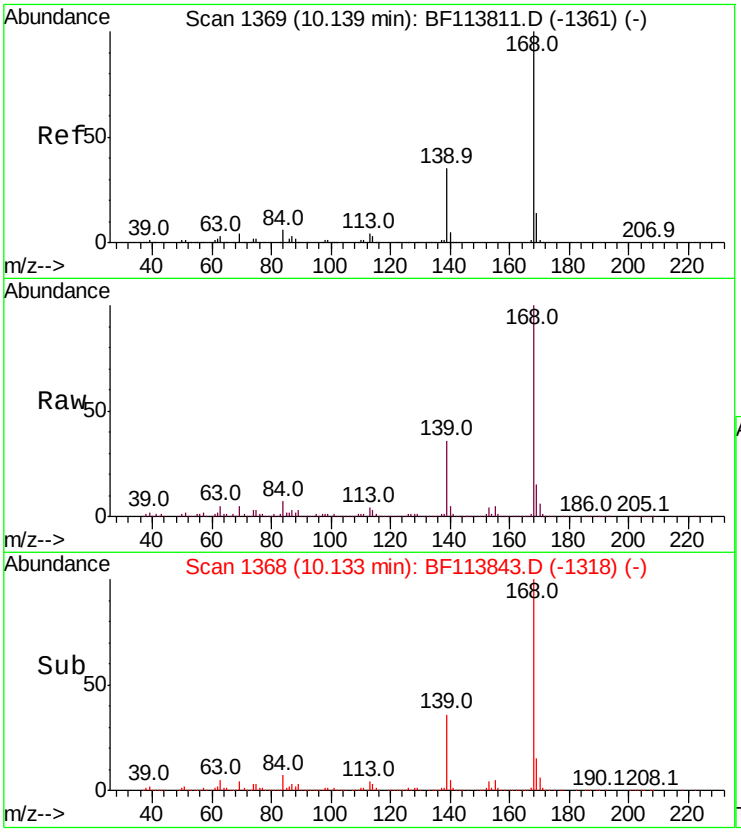


#54
2,4-Dinitrophenol
Concen: 8.936 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.25 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:184 Resp: 134

Ion	Ratio	Lower	Upper
184	100		
63	122.9	54.6	81.8#
154	126.6	218.6	328.0#



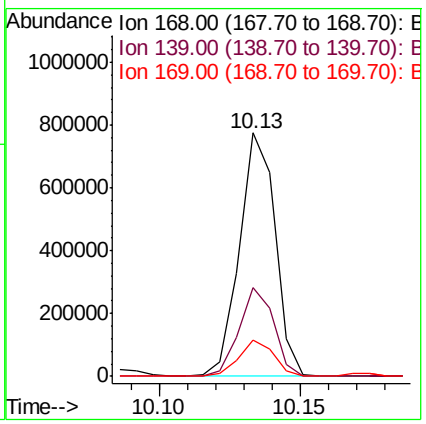


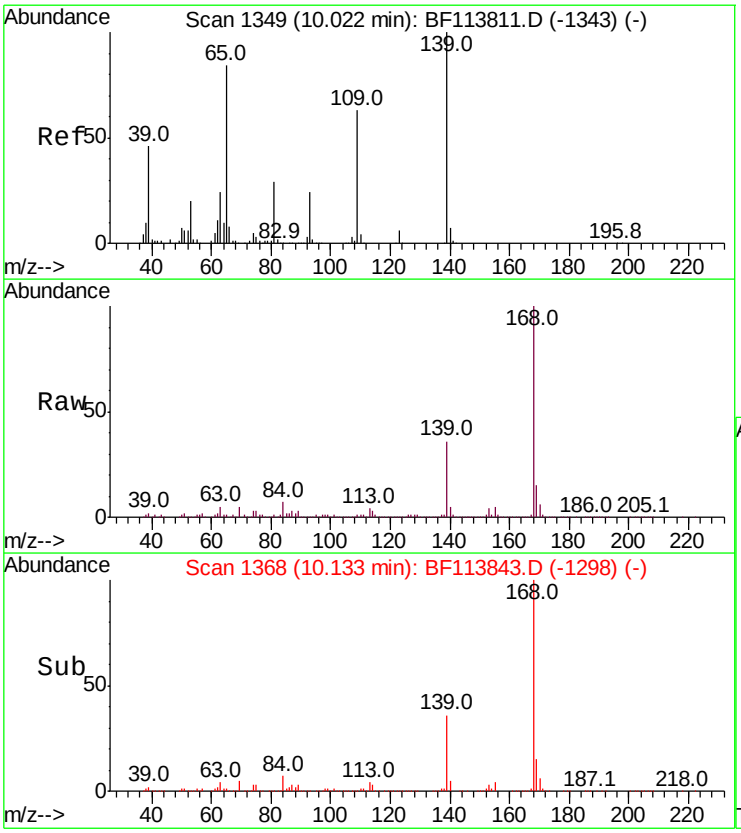
#55
Dibenzofuran
Concen: 32.142 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 678984

Ion	Ratio	Lower	Upper
168	100		
139	36.2	27.8	41.6
169	15.0	11.0	16.6

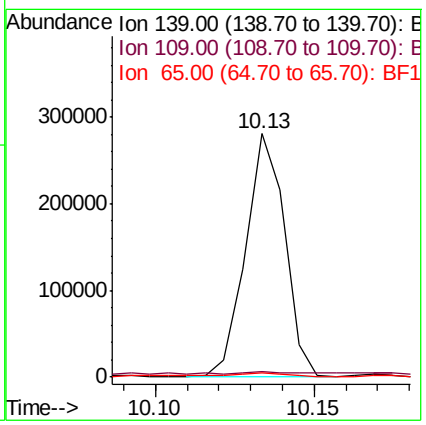


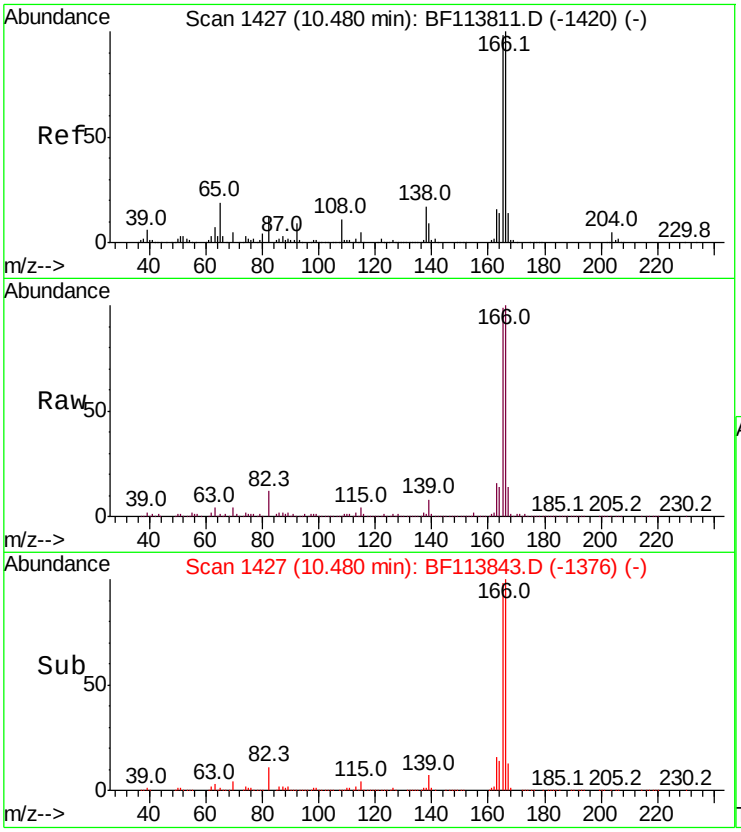


#56
4-Nitrophenol
Concen: 72.158 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.11 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:139 Resp: 238297

Ion	Ratio	Lower	Upper
139	100		
109	2.2	42.9	82.9#
65	2.0	64.4	104.4#



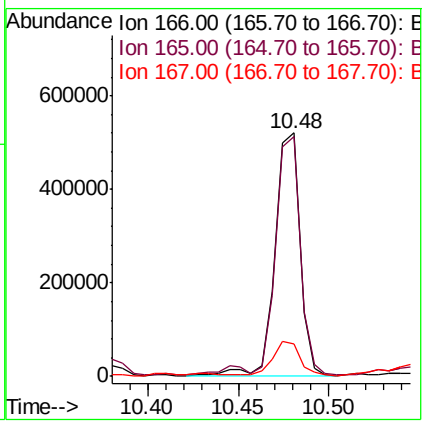


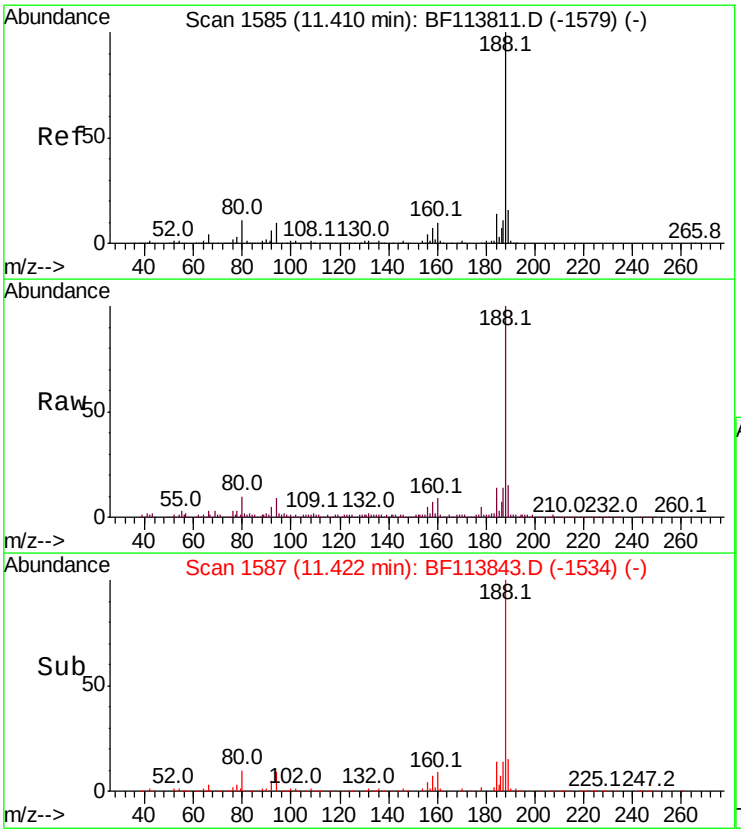
#58
Fluorene
Concen: 31.612 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 498144

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	13.5	10.9	16.3

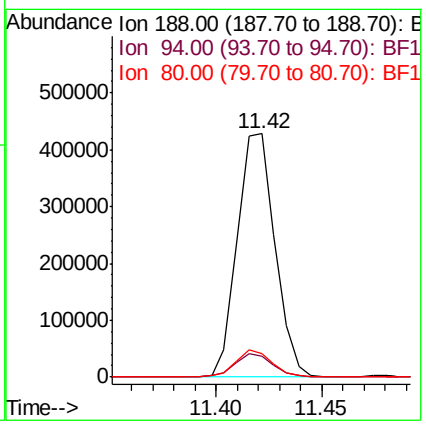


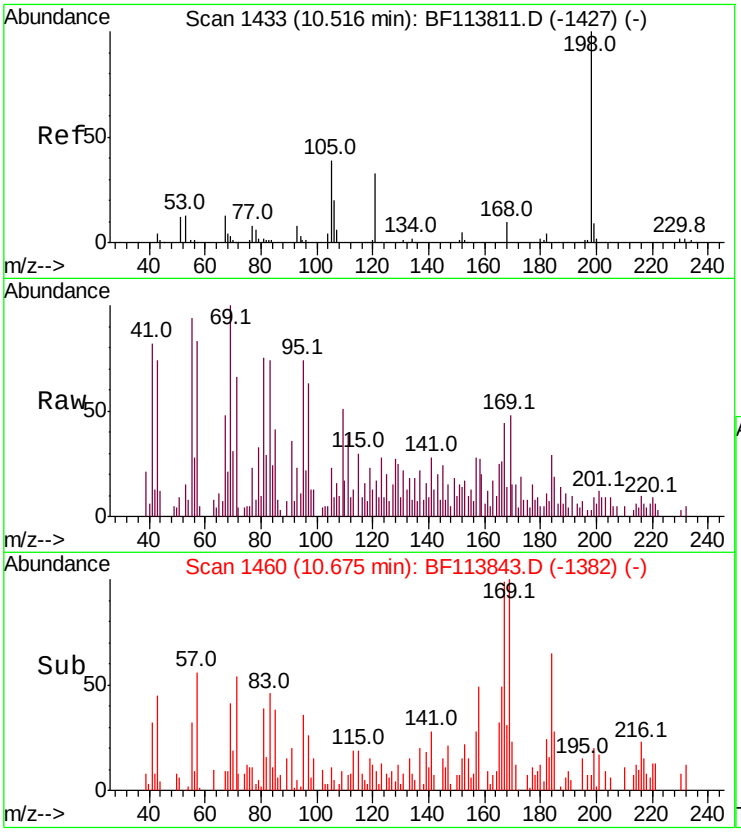


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:188 Resp: 528979

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	9.8	9.0	13.6



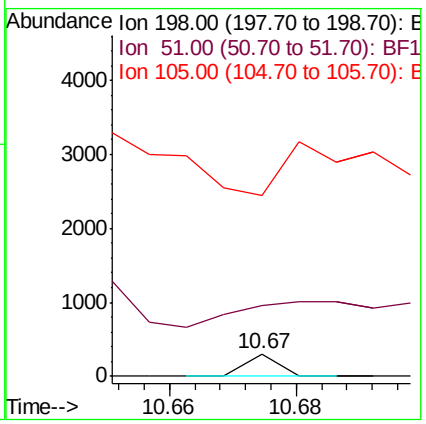


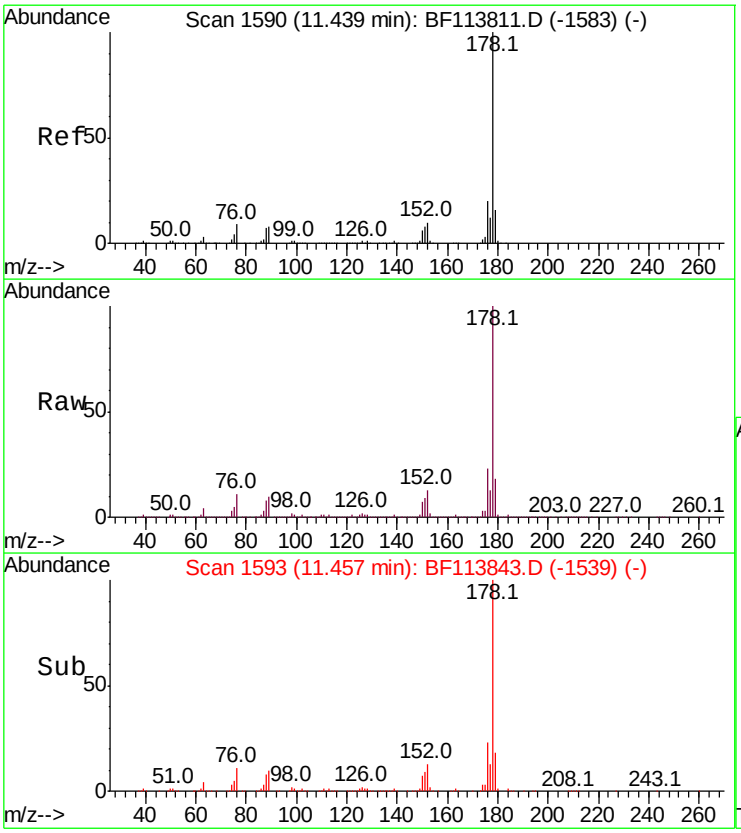
#65
4,6-Dinitro-2-methylphenol
Concen: 6.970 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.16 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 108

Ion	Ratio	Lower	Upper
198	100		
51	311.4	11.1	51.1#
105	794.8	20.7	60.7#

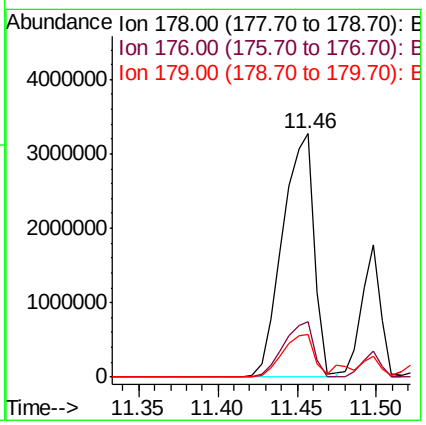


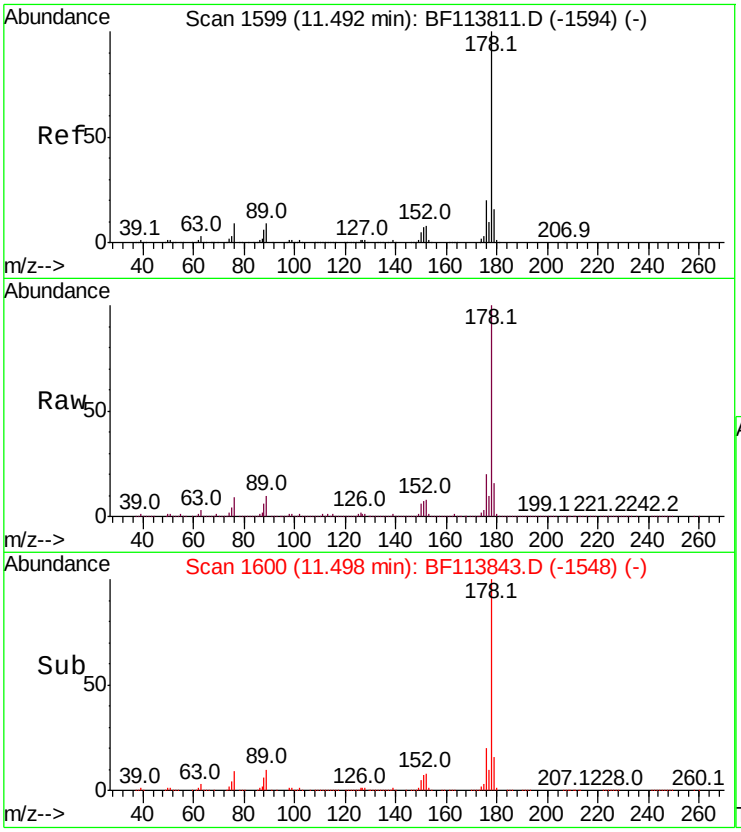


#71
Phenanthrene
Concen: 167.810 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:178 Resp: 4521029

Ion	Ratio	Lower	Upper
178	100		
176	23.0	16.1	24.1
179	17.8	12.8	19.2



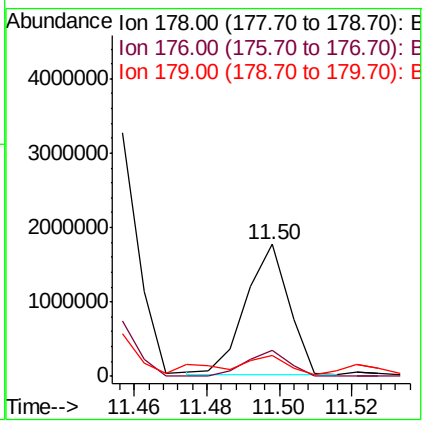


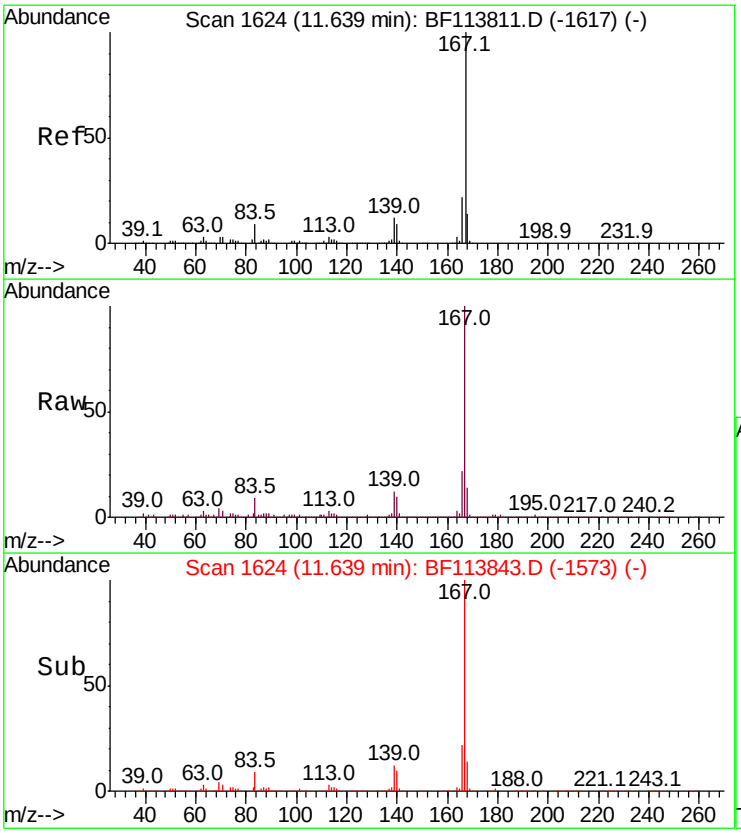
#72
Anthracene
Concen: 53.308 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1447245

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	16.2	13.0	19.4

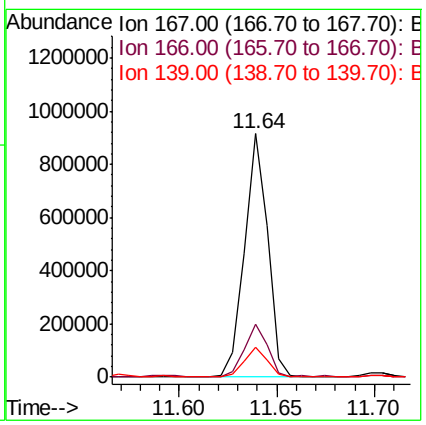


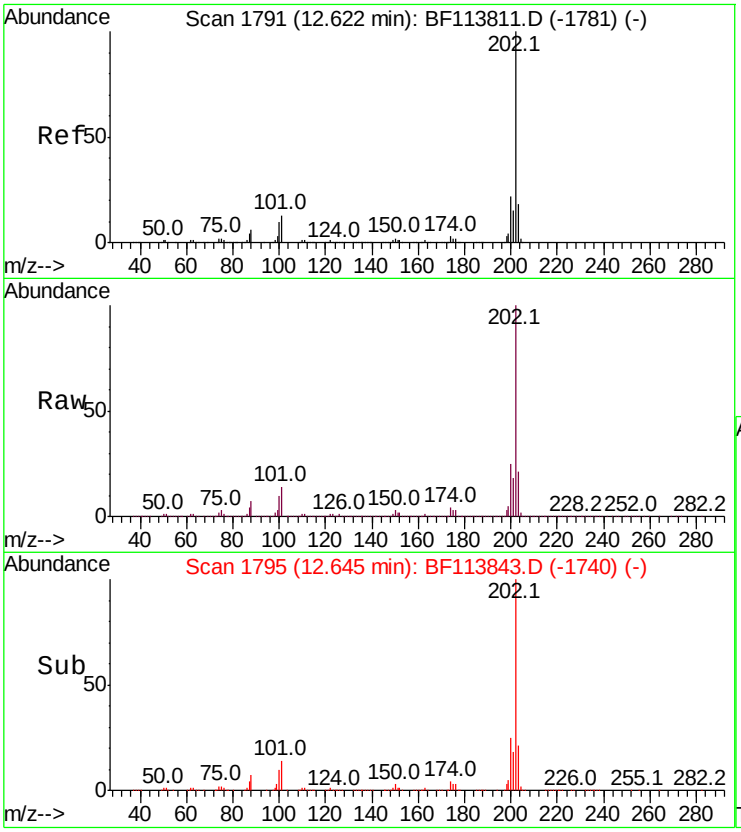


#73
Carbazole
Concen: 30.263 ng
RT: 11.64 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:167 Resp: 745956

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	12.5	10.0	15.0



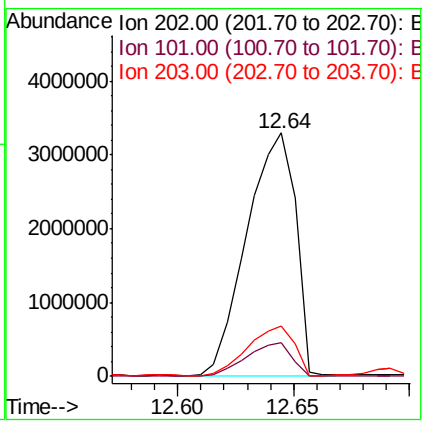


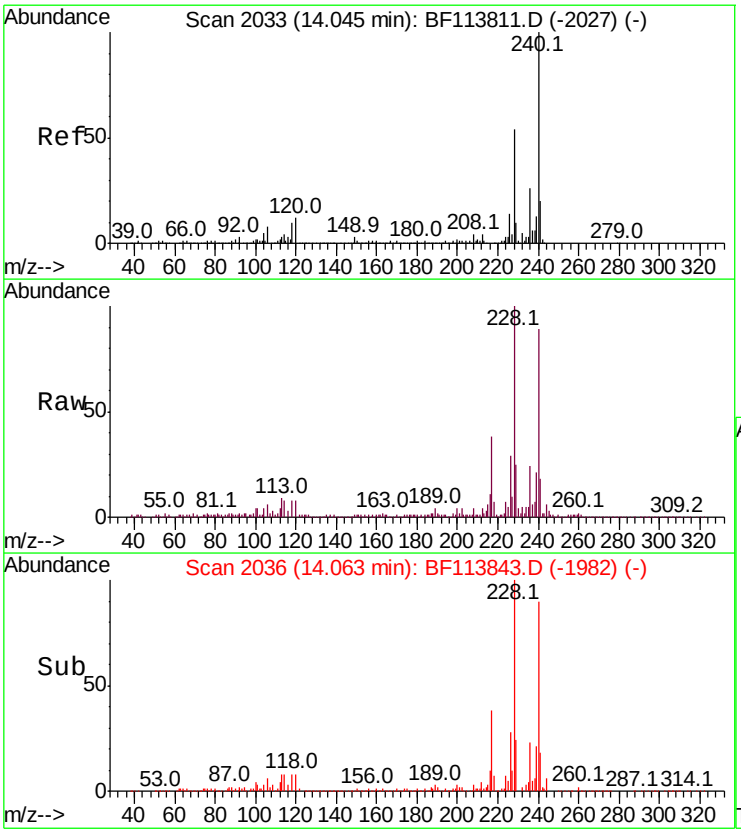
#75
Fluoranthene
Concen: 169.631 ng
RT: 12.64 min Scan# 1795
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 4843381

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	32.9
203	20.6	0.0	38.2

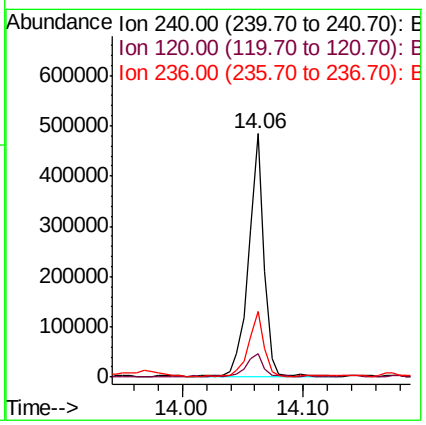


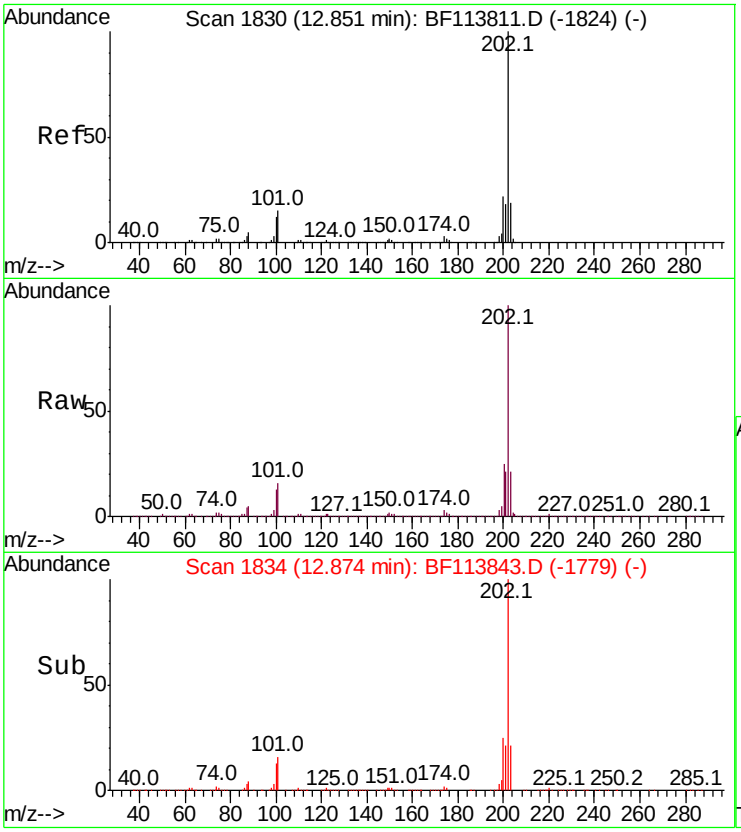


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:240 Resp: 428244

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.3	13.9
236	27.2	21.2	31.8



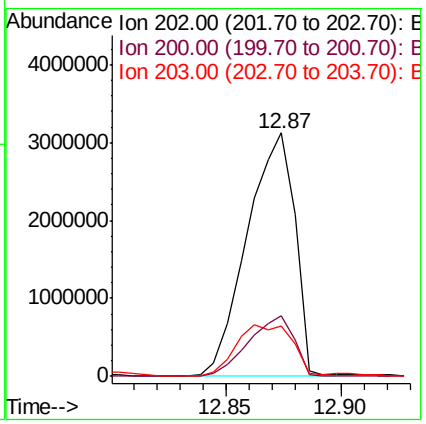


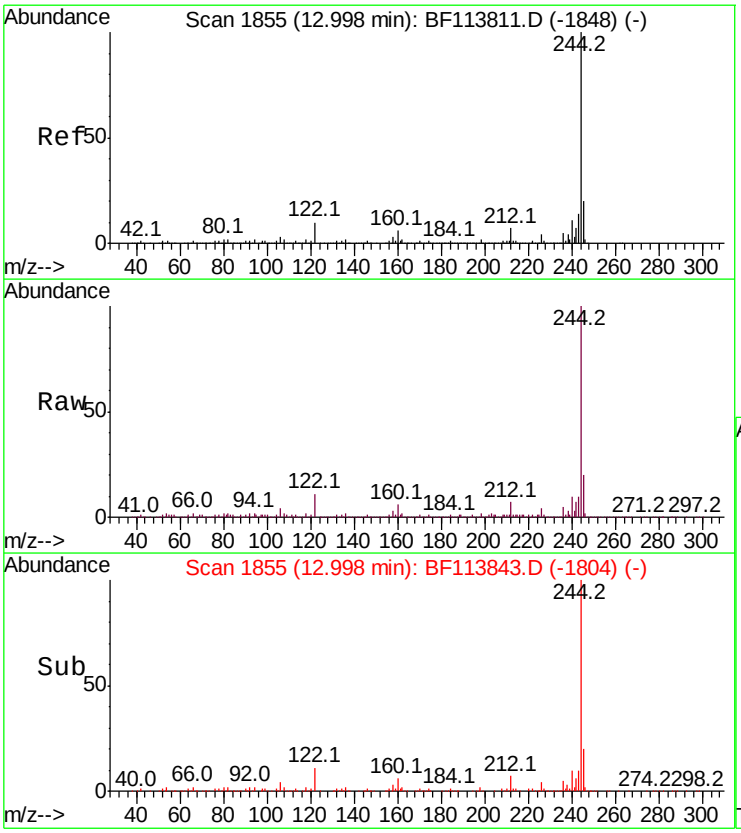
#78
Pyrene
Concen: 148.417 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 4479372

Ion	Ratio	Lower	Upper
202	100		
200	24.9	17.7	26.5
203	20.9	15.0	22.6

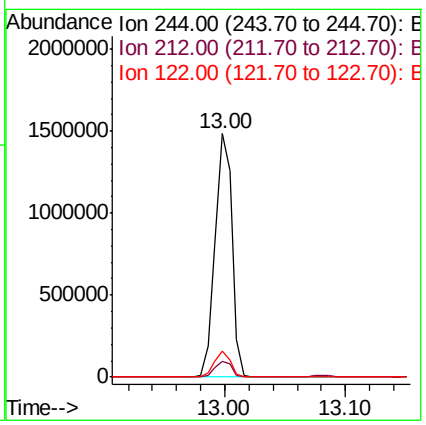


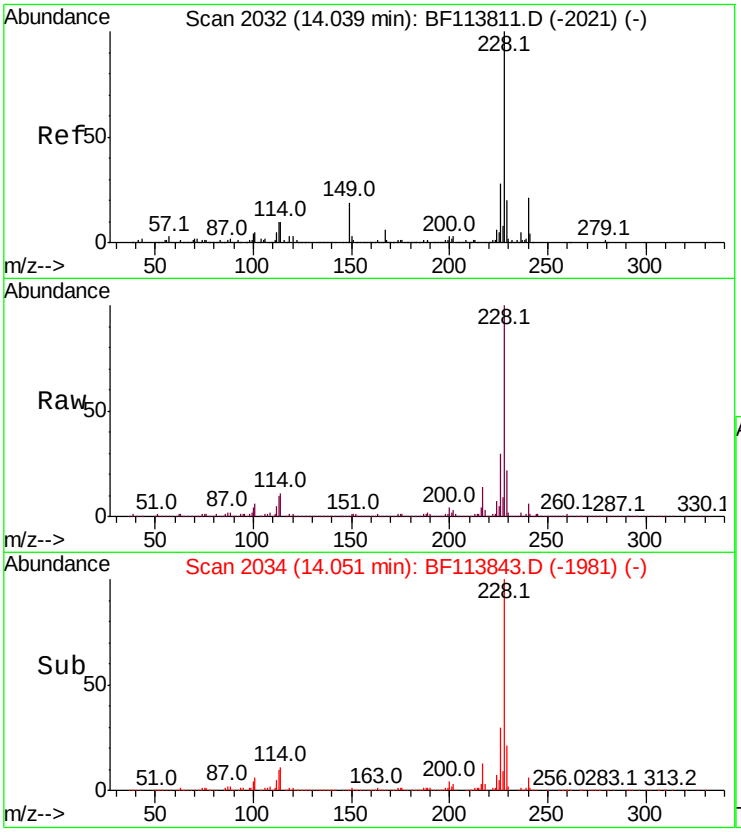


#79
Terphenyl-d14
Concen: 68.897 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:244 Resp: 1407040

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.8	7.6	11.4



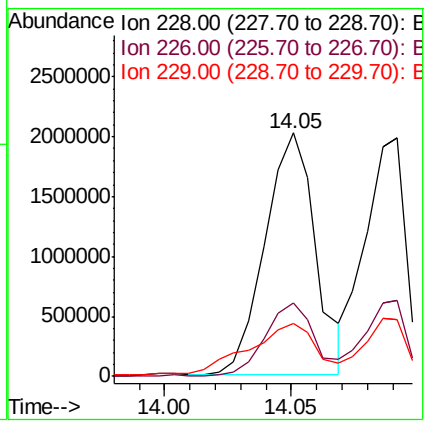


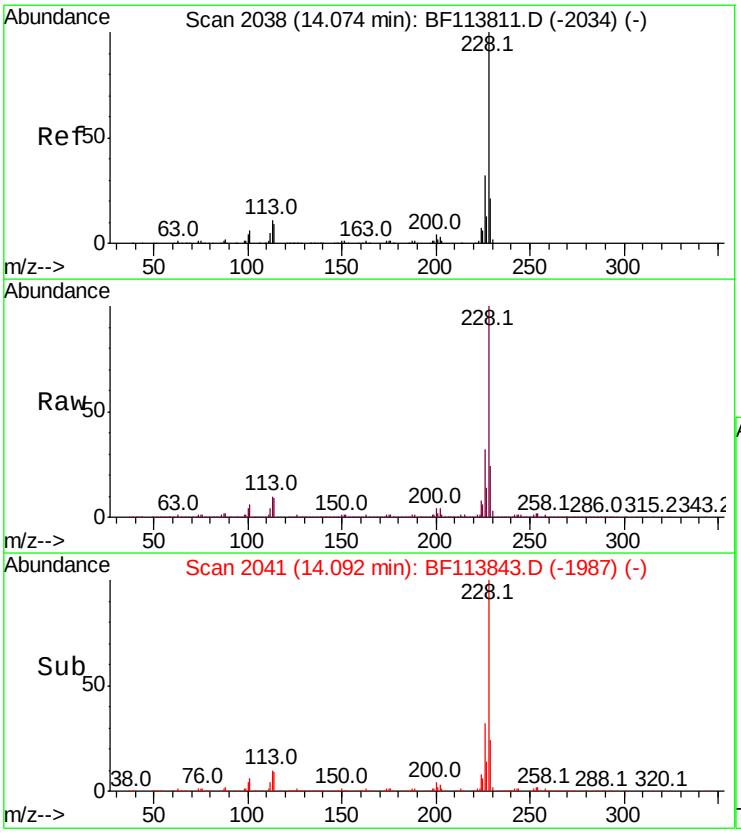
#81
Benzo(a)anthracene
Concen: 112.560 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 2817731

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.2
229	21.7	16.0	24.0

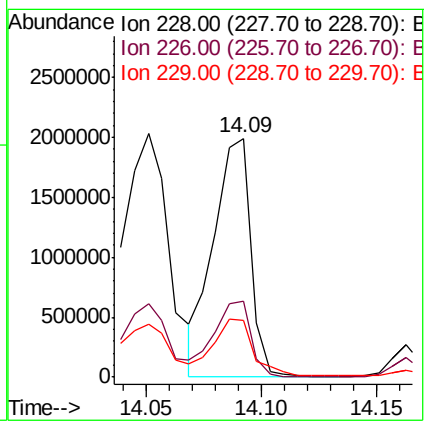


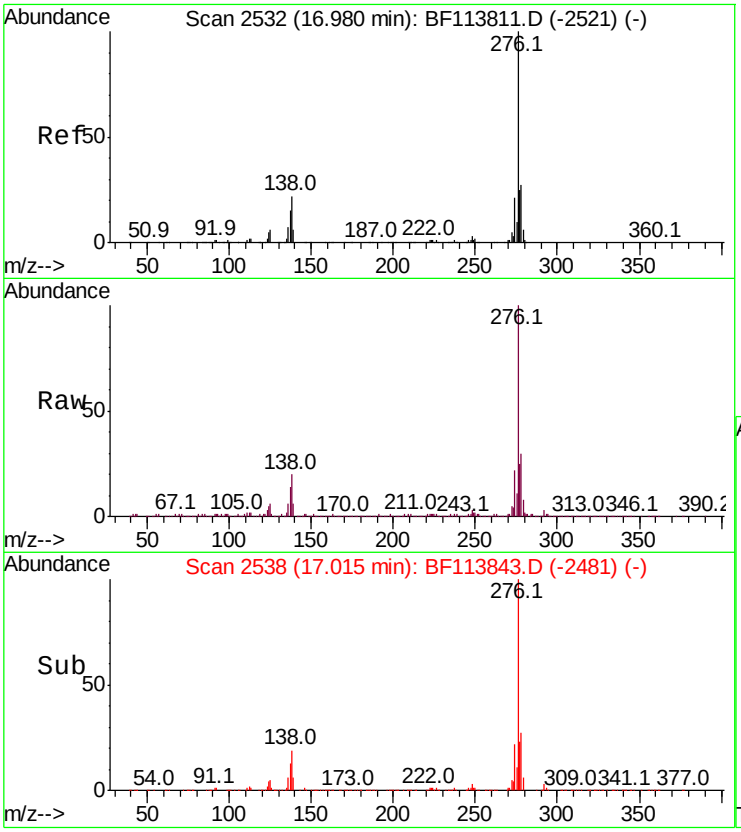


#83
Chrysene
Concen: 89.631 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:228 Resp: 2227042

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.2	37.8
229	23.8	16.7	25.1



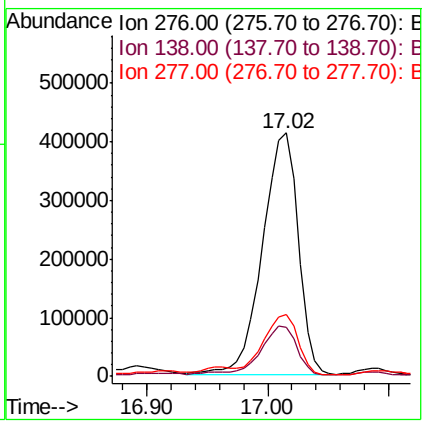


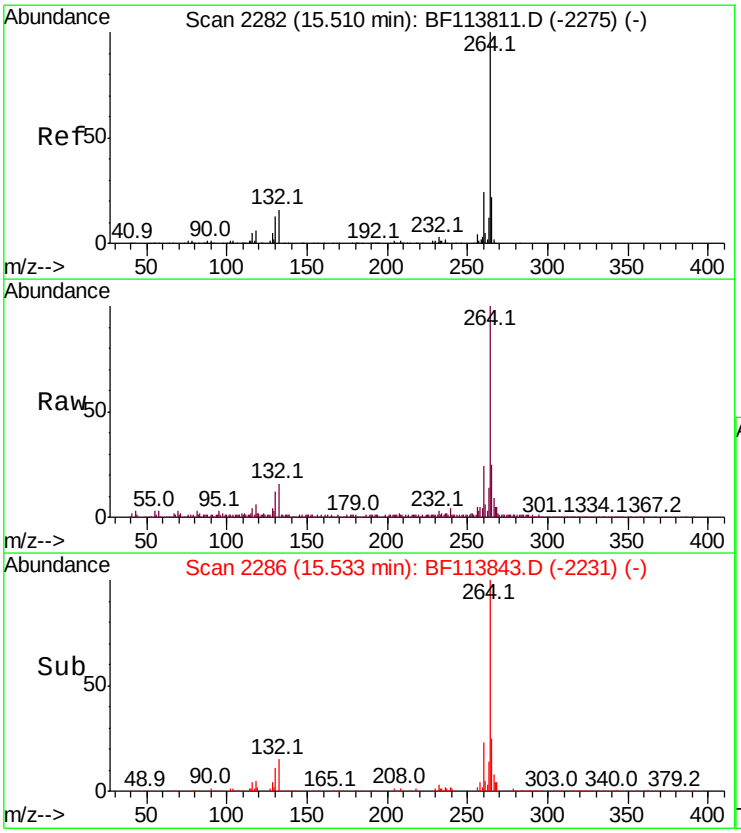
#86
Indeno(1,2,3-cd)pyrene
Concen: 41.457 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.04 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 840909

Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.6	29.4
277	24.3	20.2	30.4

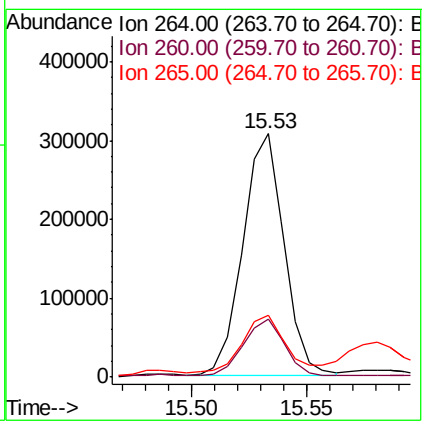


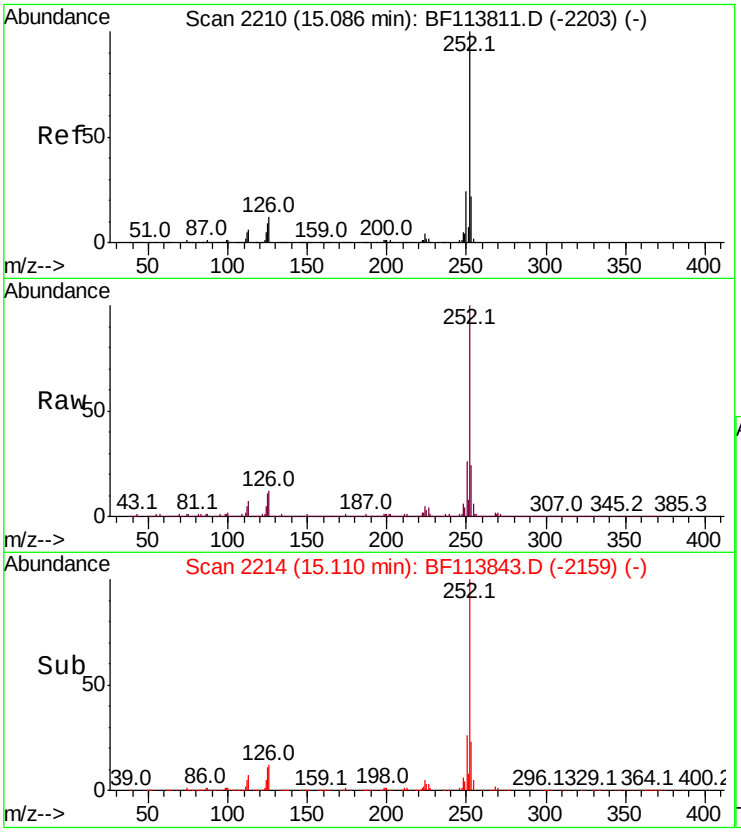


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:264 Resp: 378938

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	25.5	17.3	25.9



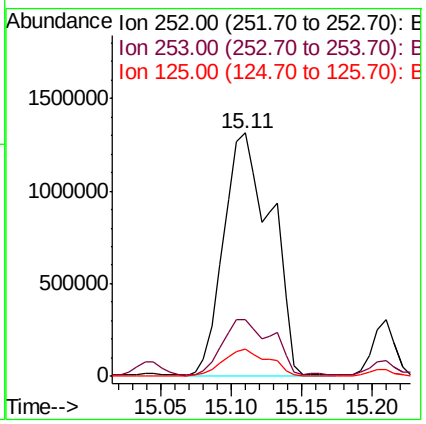


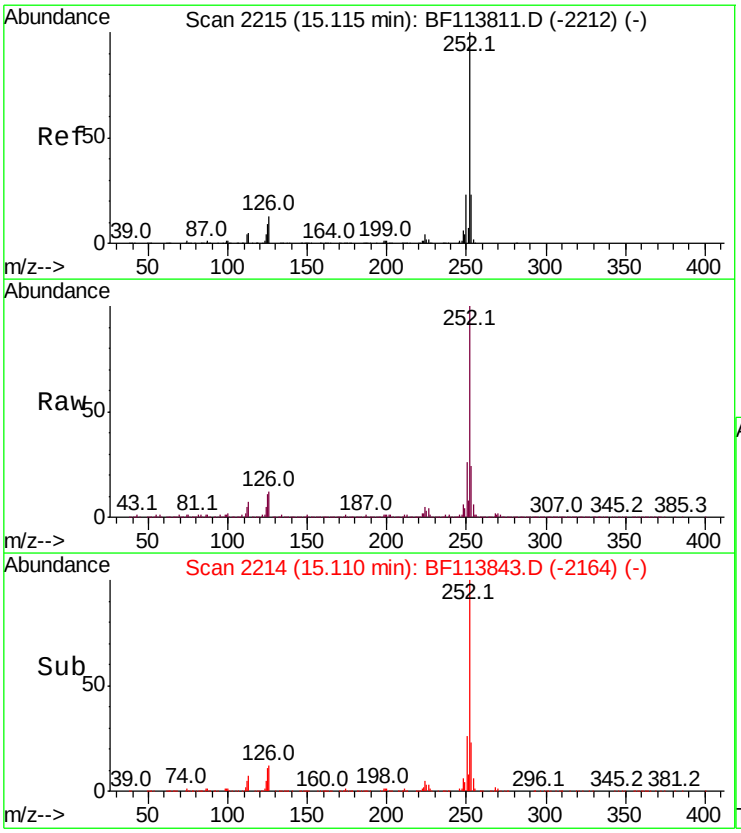
#88
Benzo(b)fluoranthene
Concen: 130.374 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 3079817

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.0	7.0	10.6#

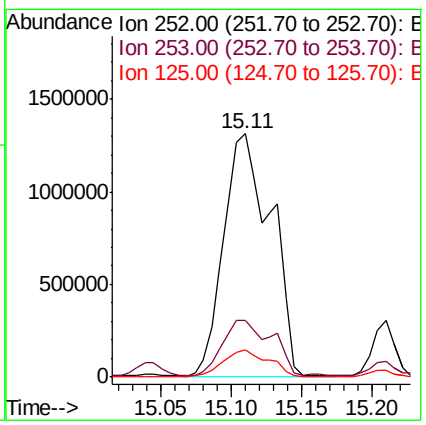


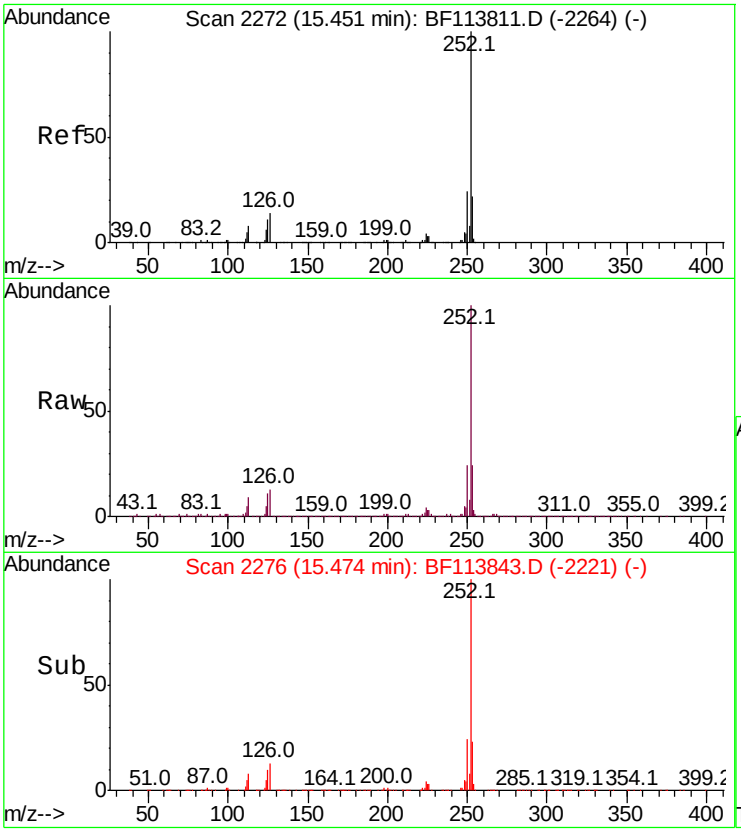


#89
Benzo(k)fluoranthene
Concen: 143.141 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:252 Resp: 3079817

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.0	7.4	11.2



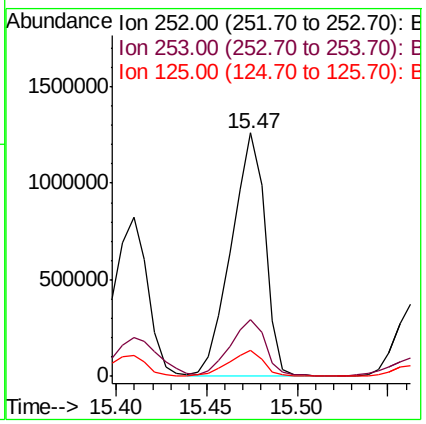


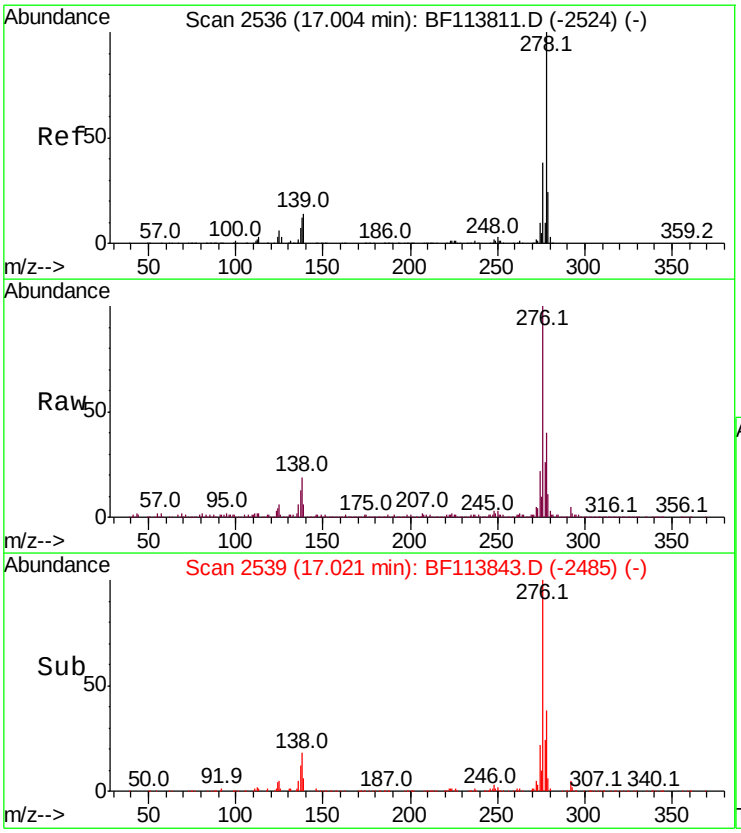
#90
Benzo(a)pyrene
Concen: 77.535 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1619569

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.6	8.5	12.7

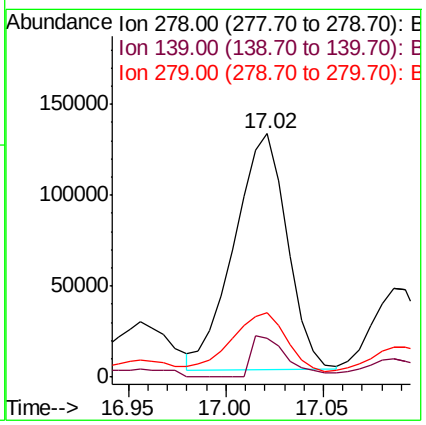


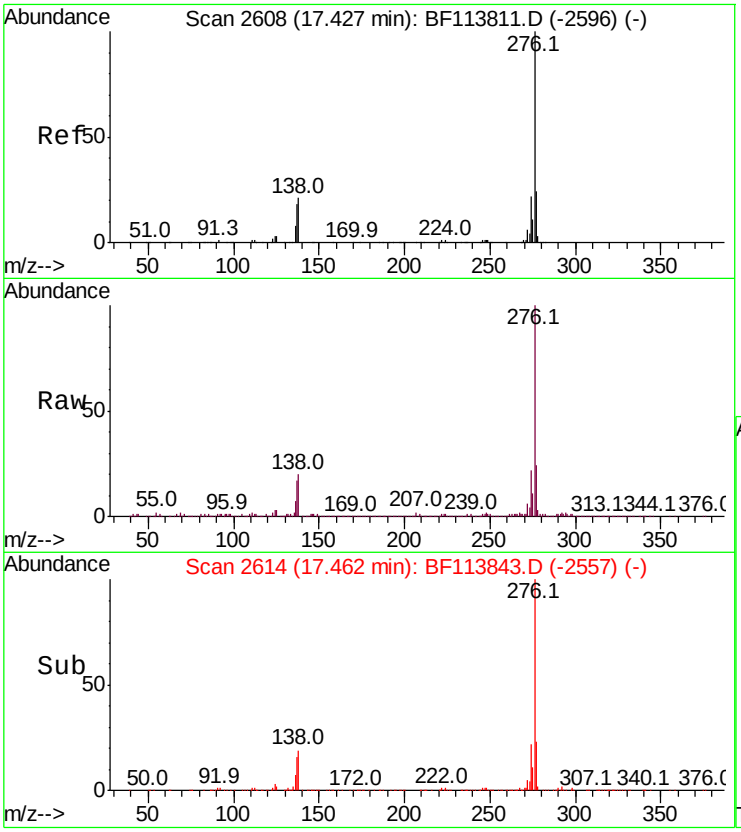


#91
Dibenzo(a,h)anthracene
Concen: 13.087 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.02 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Tgt Ion:278 Resp: 243237

Ion	Ratio	Lower	Upper
278	100		
139	15.8	11.6	17.4
279	26.5	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 39.505 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.04 min
Lab File: BF113843.D
Acq: 19 Apr 2019 4:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 746282

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	19.9	16.6	25.0