Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116037.D
Acq On : 7 Aug 2019 4:05
Operator : HP/JU
Sample : K4090-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 07 06:06:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	123238	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	488372	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	248551	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	397626	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	319968	20.00	ng	-0.02
87) Perylene-d12	15.47	264	353305	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	365709	49.68	ng	0.00
7) Phenol-d6	6.47	99	490968	52.86	ng	-0.02
23) Nitrobenzene-d5	7.40	82	291384	34.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	100217	41.59	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	554985	41.82	ng	-0.02
79) Terphenyl-d14	12.95	244	522997	34.44	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	38262	6.648	ng	# 84
25) Isophorone	7.40	82	291380	18.011	ng	# 66
31) Naphthalene	8.15	128	68356	2.974	ng	98
37) 2-Methylnaphthalene	8.84	142	31896	2.107	ng	99
38) 1-Methylnaphthalene	8.93	142	28789	2.011	ng	100
49) Acenaphthylene	9.74	152	44205	2.075	ng	98
50) Dimethylphthalate	9.59	163	44103	2.606	ng	99
51) 2,6-Dinitrotoluene	9.87	165	33598	9.135	ng	# 28
52) Acenaphthene	9.91	154	50394	3.855	ng	97
55) Dibenzofuran	10.08	168	54386	2.861	ng	# 97
58) Fluorene	10.42	166	88403	6.044	ng	99
71) Phenanthrene	11.39	178	646769	31.817	ng	100
72) Anthracene	11.44	178	203745	9.904	ng	99
73) Carbazole	11.59	167	54471	2.918	ng	99
75) Fluoranthene	12.58	202	1139338	53.538	ng	98
78) Pyrene	12.81	202	1079863	44.771	ng	100
81) Benzo(a)anthracene	13.99	228	619845	30.308	ng	98
83) Chrysene	14.03	228	527649	26.575	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	240383	14.415	ng	96
88) Benzo(b)fluoranthene	15.04	252	909128	44.503	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	909128	45.690	ng	98
90) Benzo(a)pyrene	15.41	252	482955	26.447	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	63859	4.040	ng	# 77
92) Benzo(g,h,i)perylene	17.38	276	218419	14.070	ng	100

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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Acq On : 7 Aug 2019 4:05
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
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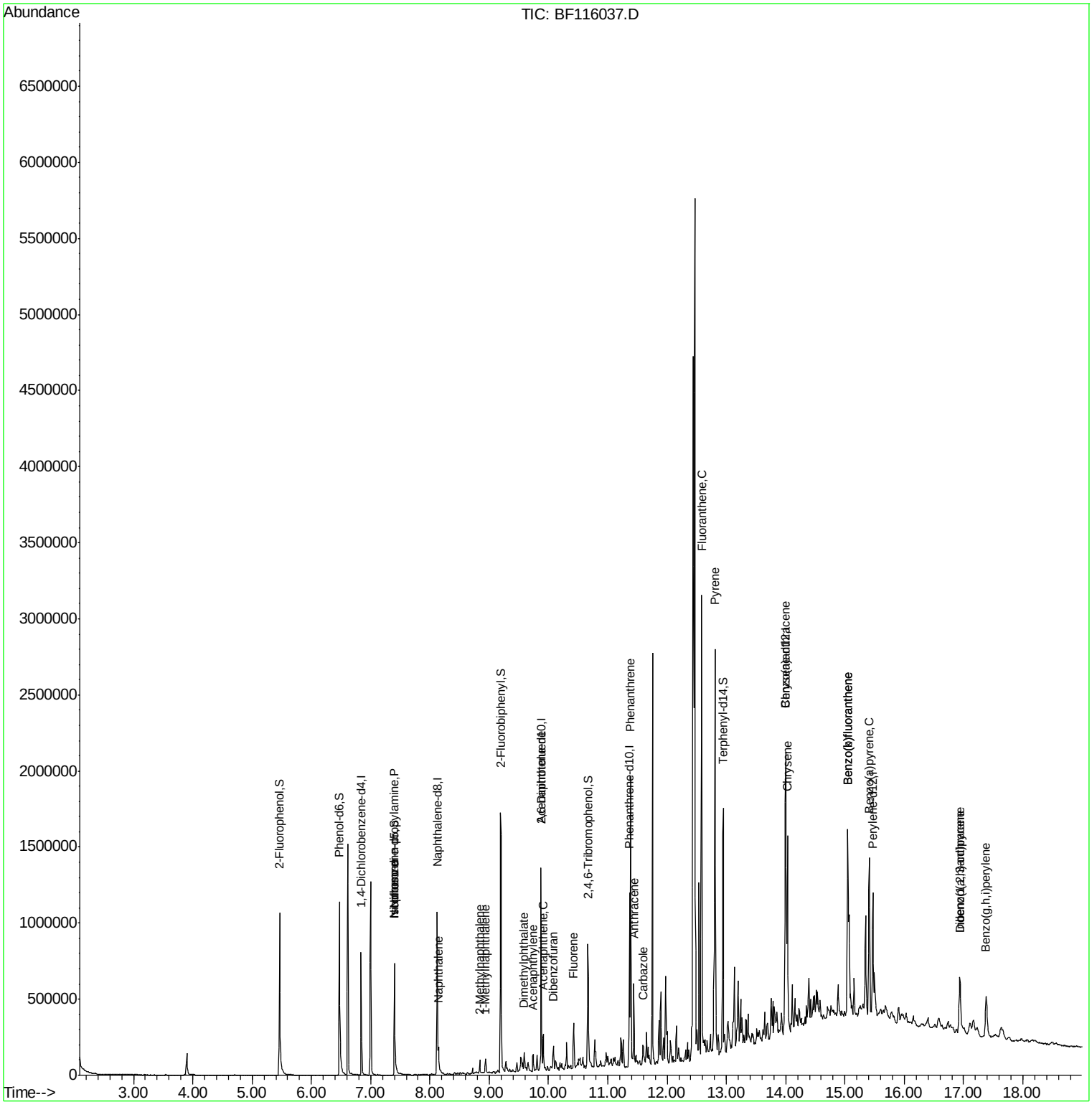
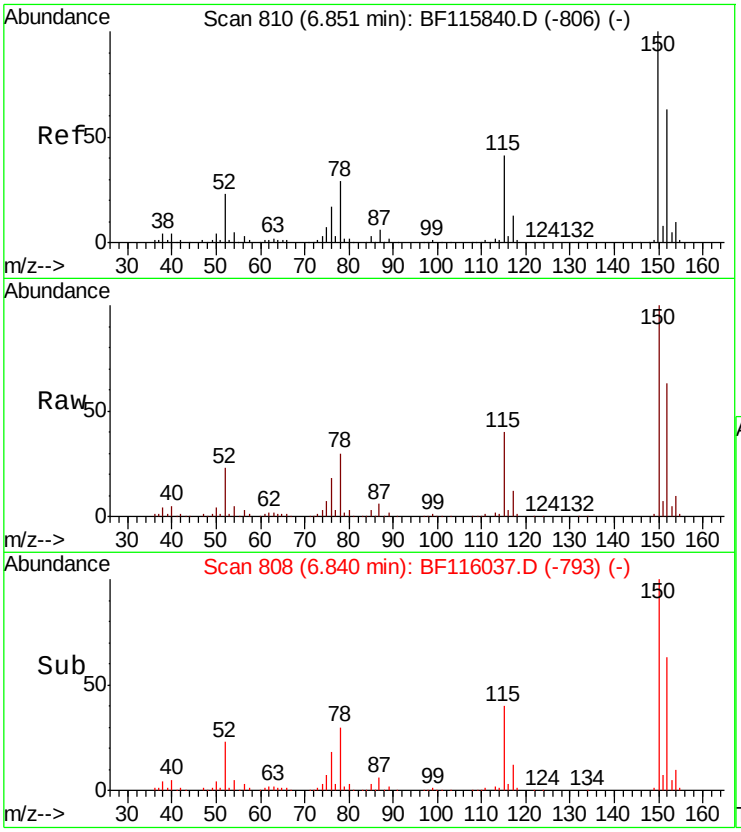


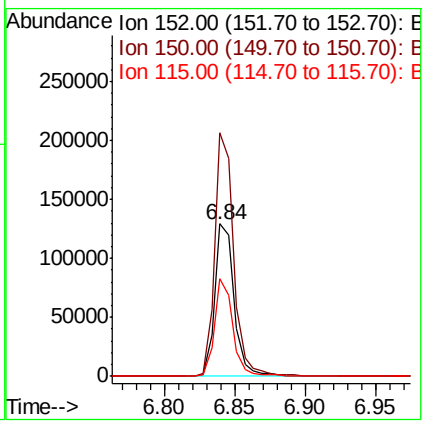


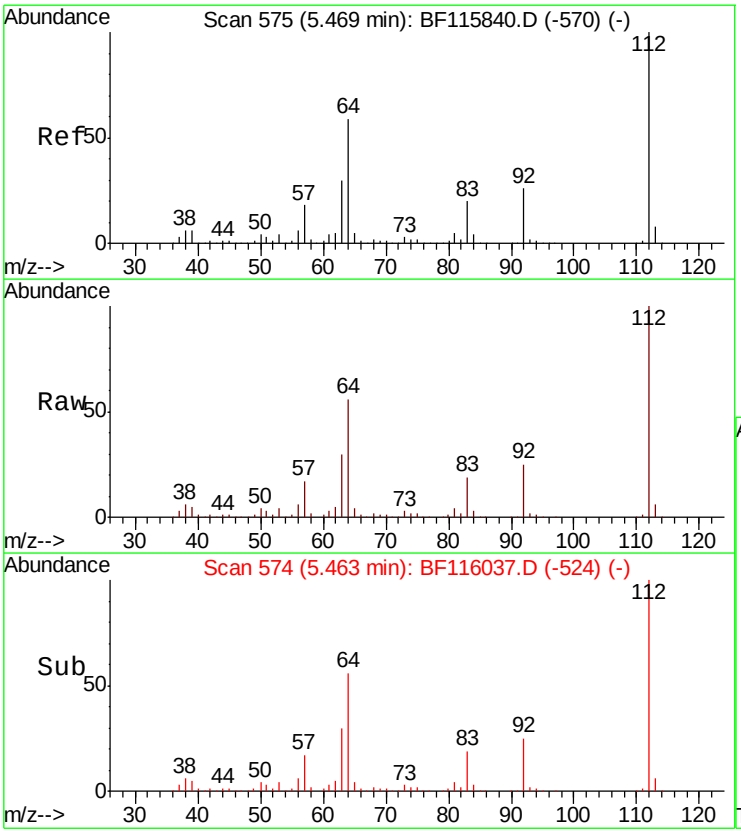
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 123238

Ion	Ratio	Lower	Upper
152	100		
150	159.7	127.4	191.0
115	64.0	51.8	77.8

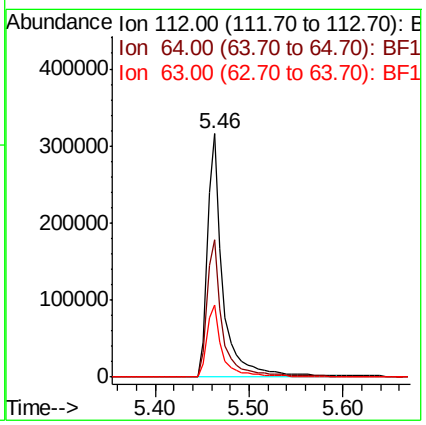


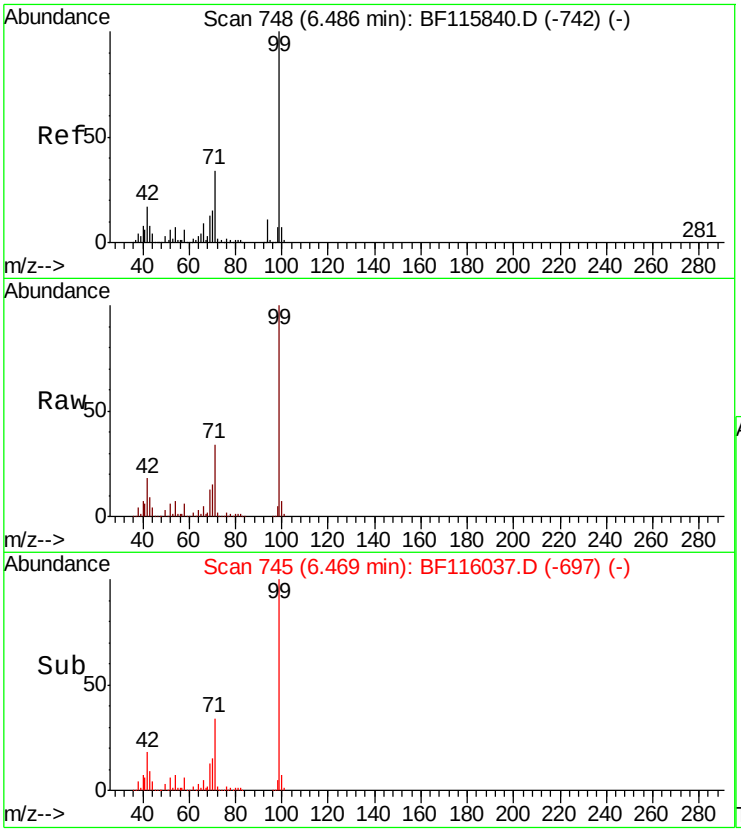


#5
2-Fluorophenol
Concen: 49.678 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:112 Resp: 365709

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.8	70.2
63	29.7	24.2	36.2



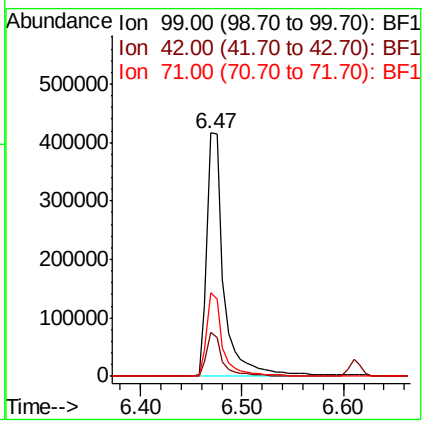


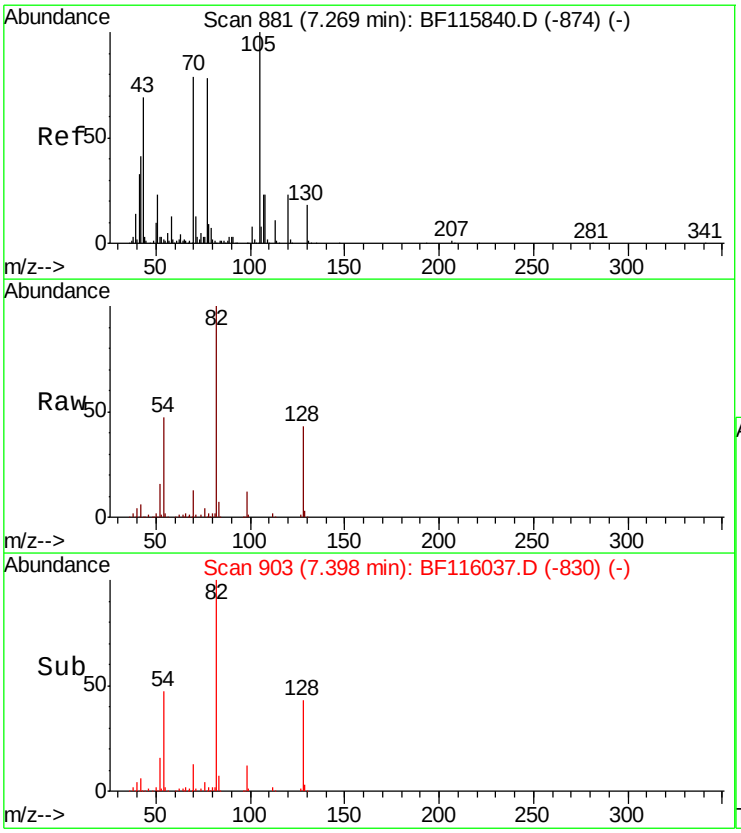
#7
Phenol-d6
Concen: 52.861 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 490968

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.8	20.6
71	34.1	27.1	40.7

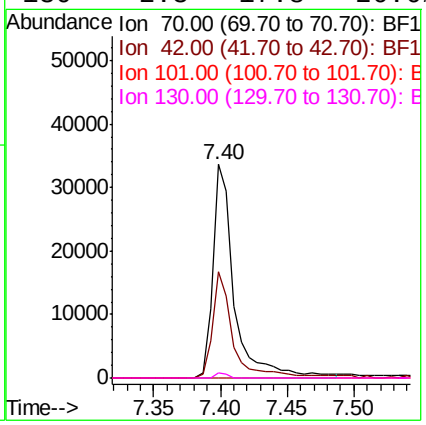


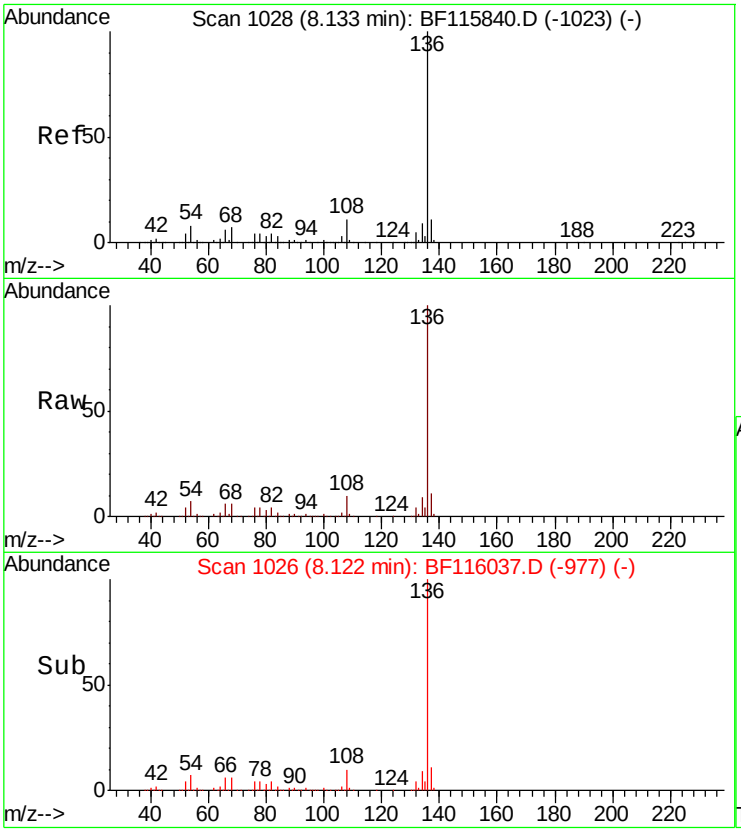


#19
n-Nitroso-di-n-propylamine
Concen: 6.648 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion: 70 Resp: 38262

Ion	Ratio	Lower	Upper
70	100		
42	49.7	41.8	62.8
101	0.0	7.7	11.5#
130	2.3	17.8	26.6#



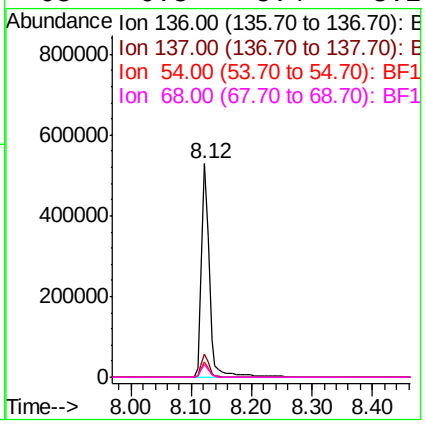


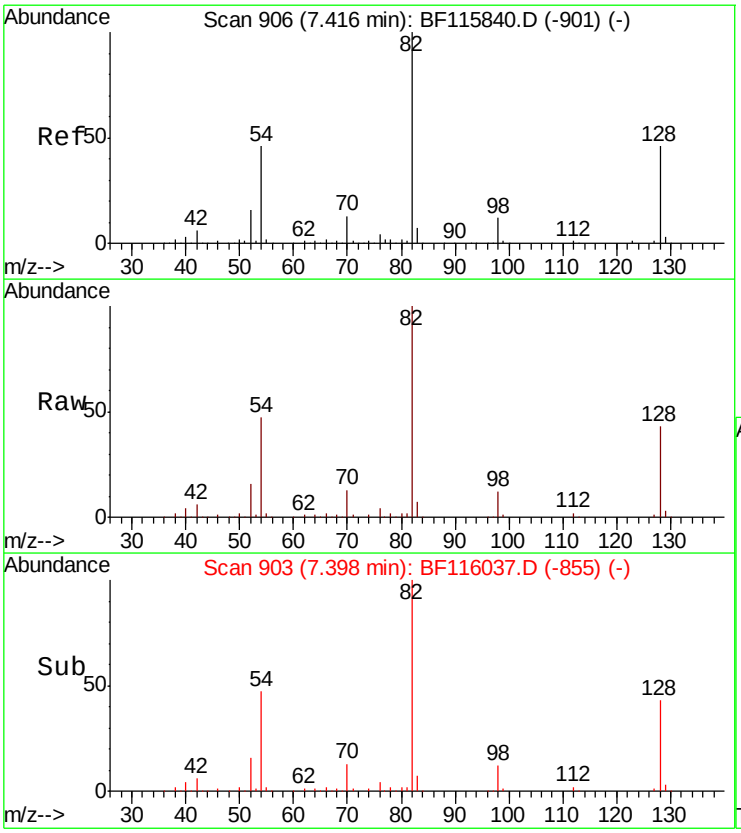
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 488372

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.2	6.1	9.1
68	6.3	5.4	8.2

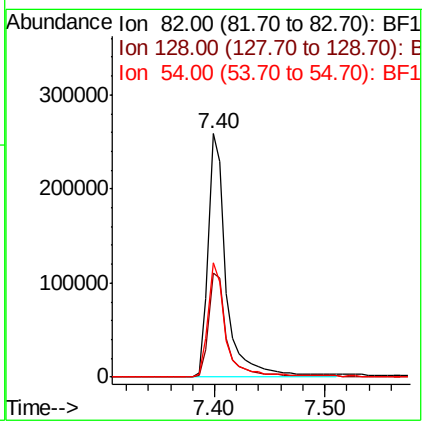


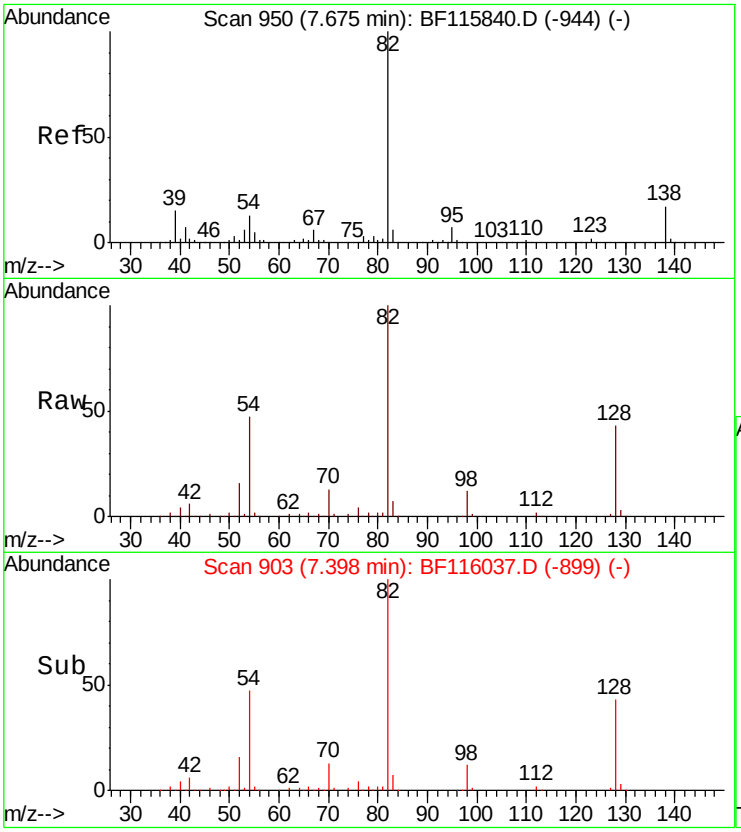


#23
Nitrobenzene-d5
Concen: 34.440 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion: 82 Resp: 291384

Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.6	55.0
54	46.7	36.6	55.0



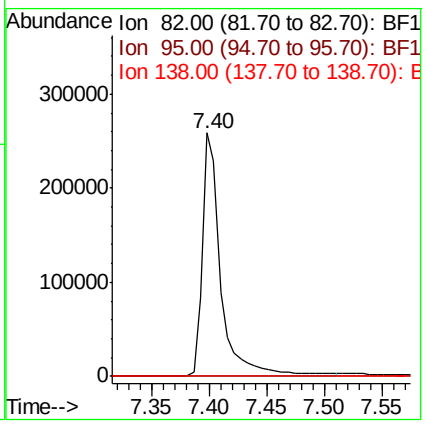


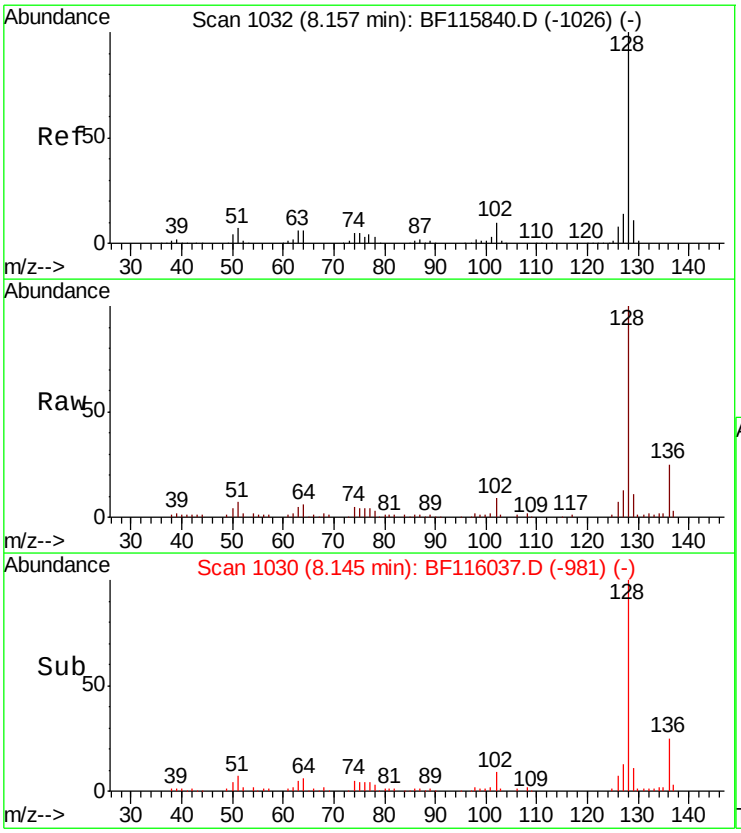
#25
Isophorone
Concen: 18.011 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 291380

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.9	20.9#

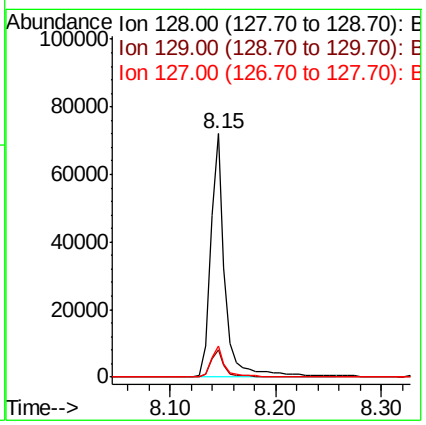


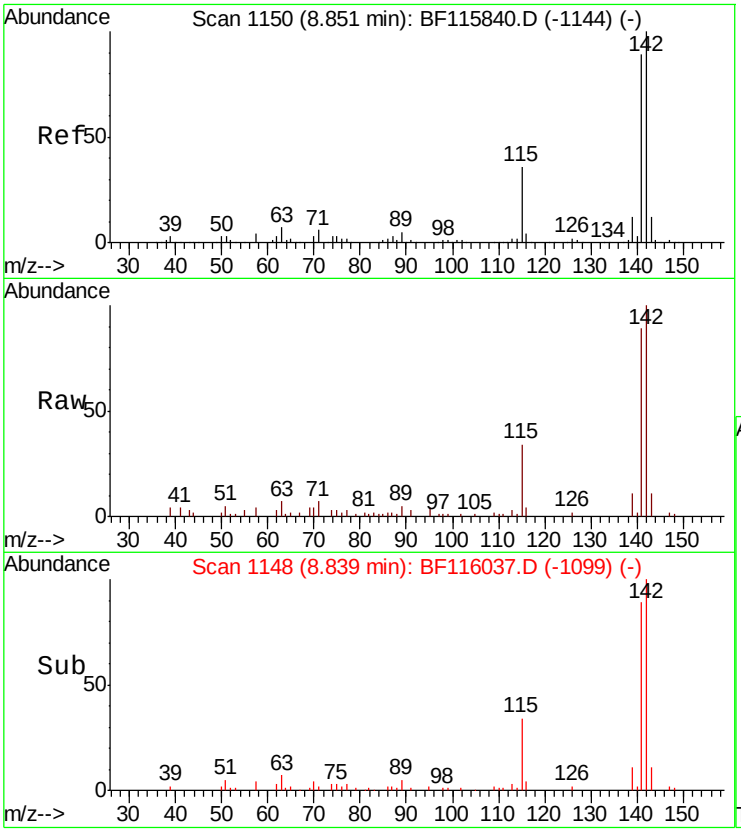


#31
Naphthalene
Concen: 2.974 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:128 Resp: 68356

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	12.7	11.0	16.4



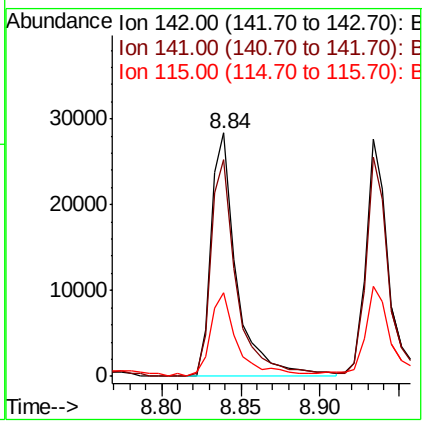


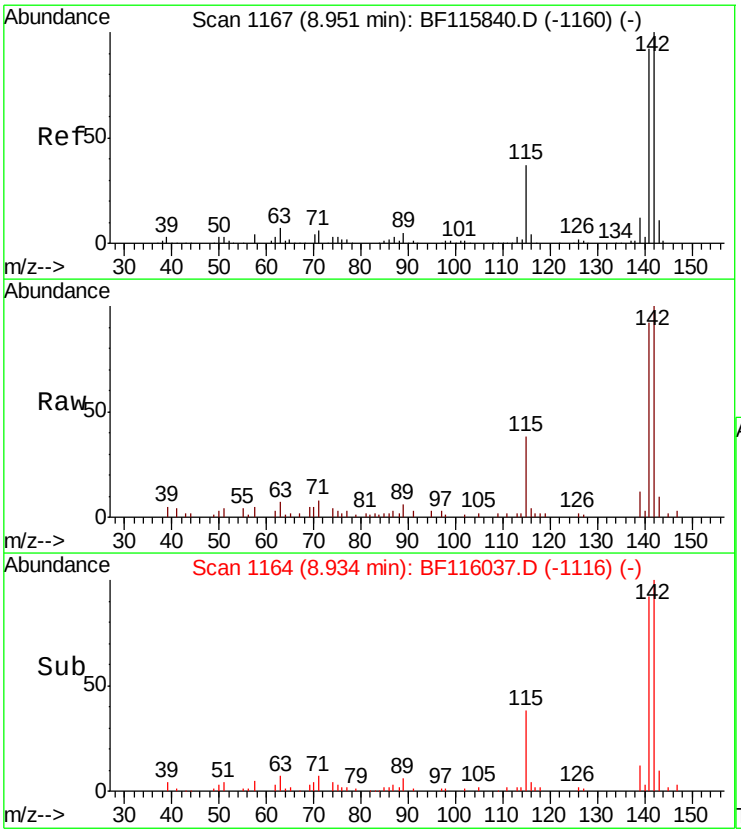
#37
2-Methylnaphthalene
Concen: 2.107 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 31896

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	34.5	28.9	43.3

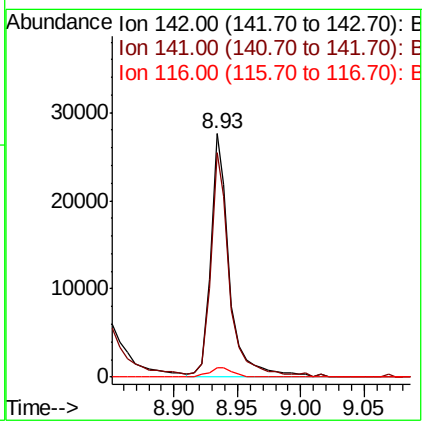


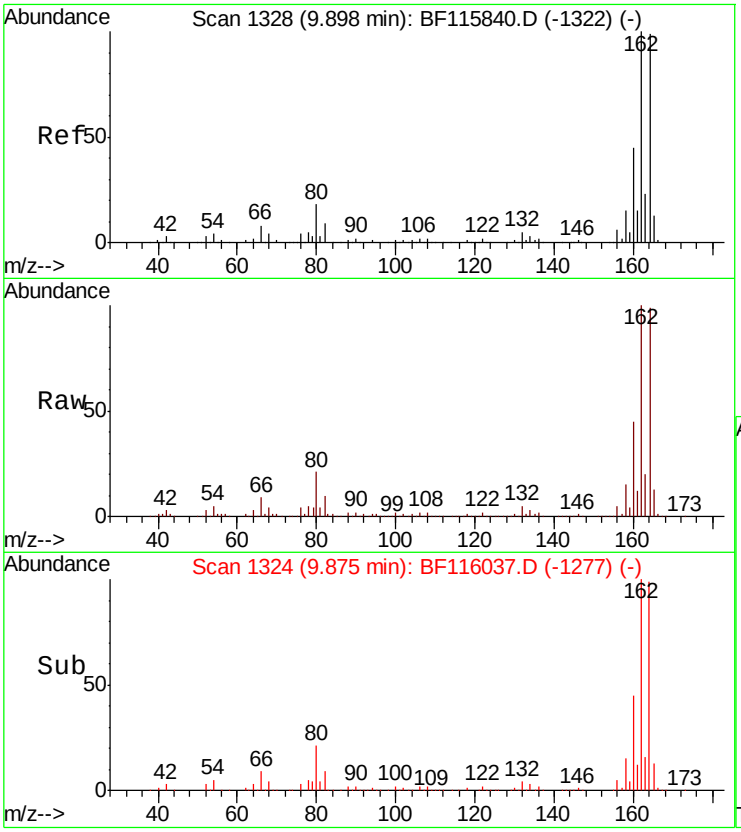


#38
1-Methylnaphthalene
Concen: 2.011 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:142 Resp: 28789

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.8	110.6
116	4.1	3.1	4.7



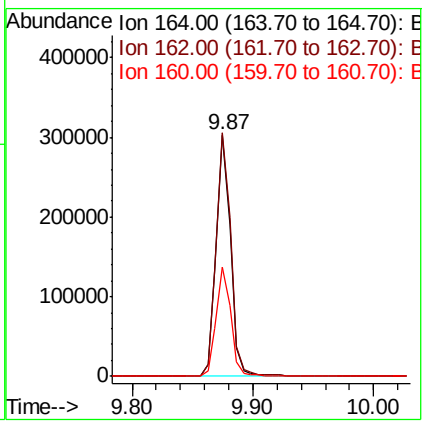


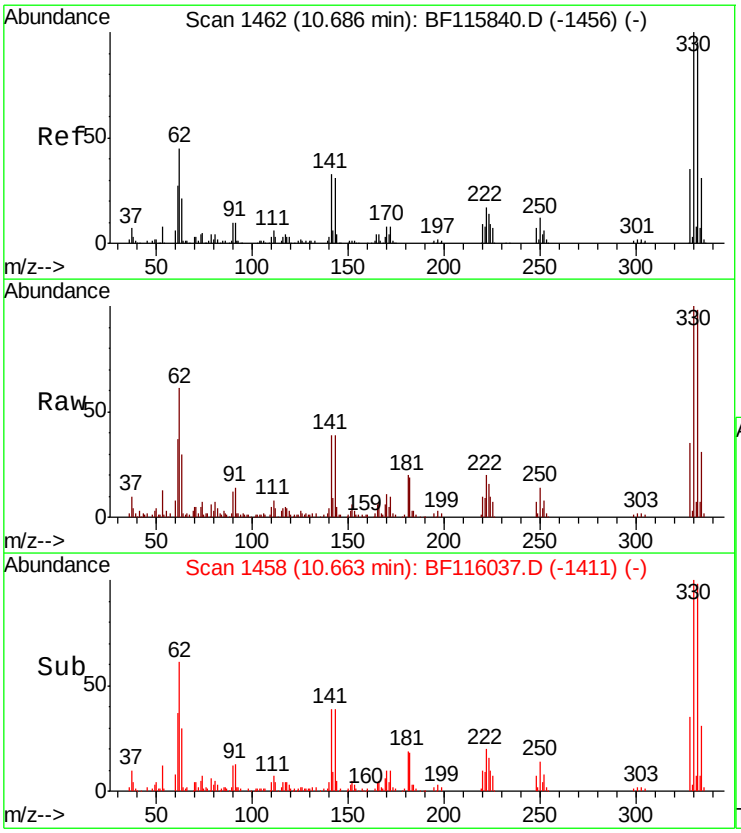
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 248551

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.8	121.2
160	45.2	36.2	54.4

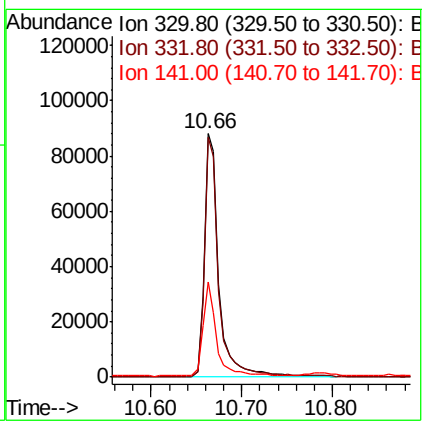


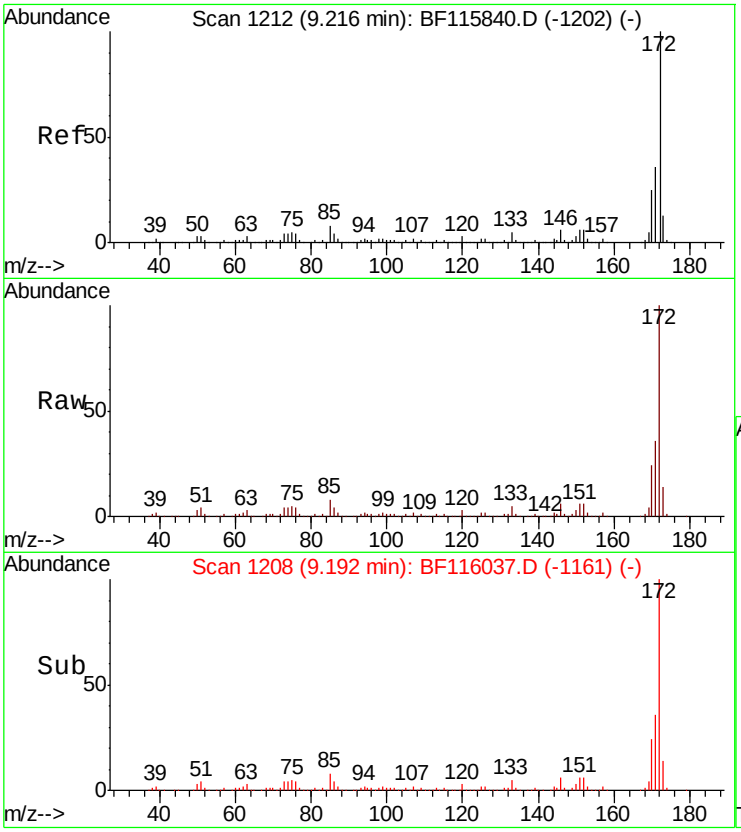


#42
2,4,6-Tribromophenol
Concen: 41.588 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:330 Resp: 100217

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.7	116.5
141	35.4	28.1	42.1



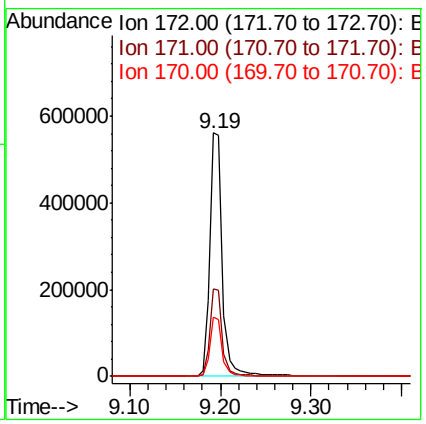


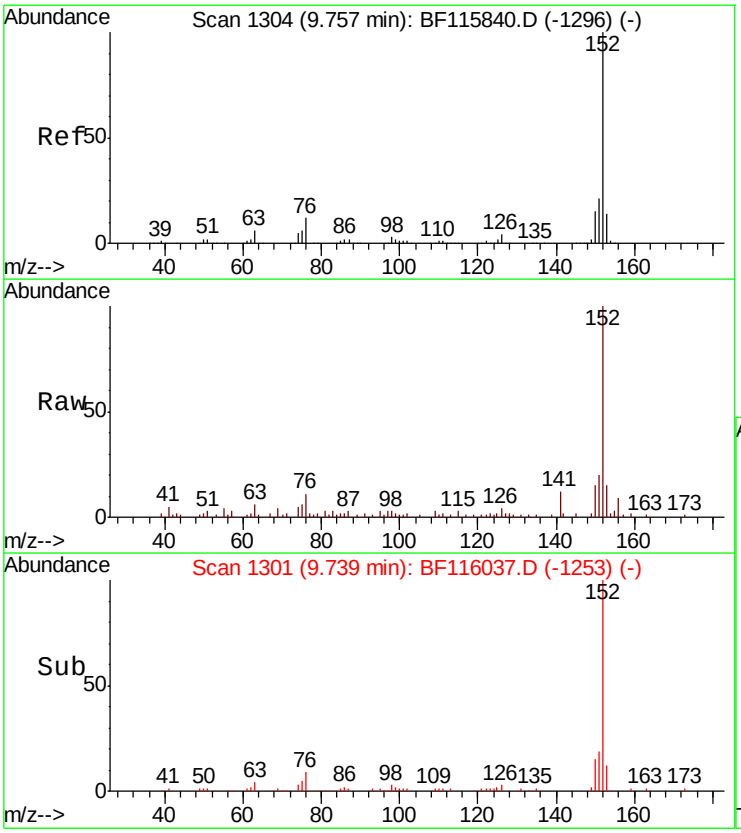
#45
2-Fluorobiphenyl
Concen: 41.824 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 554985

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.2	20.1	30.1

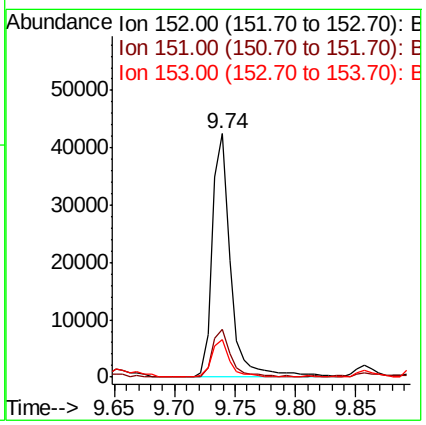


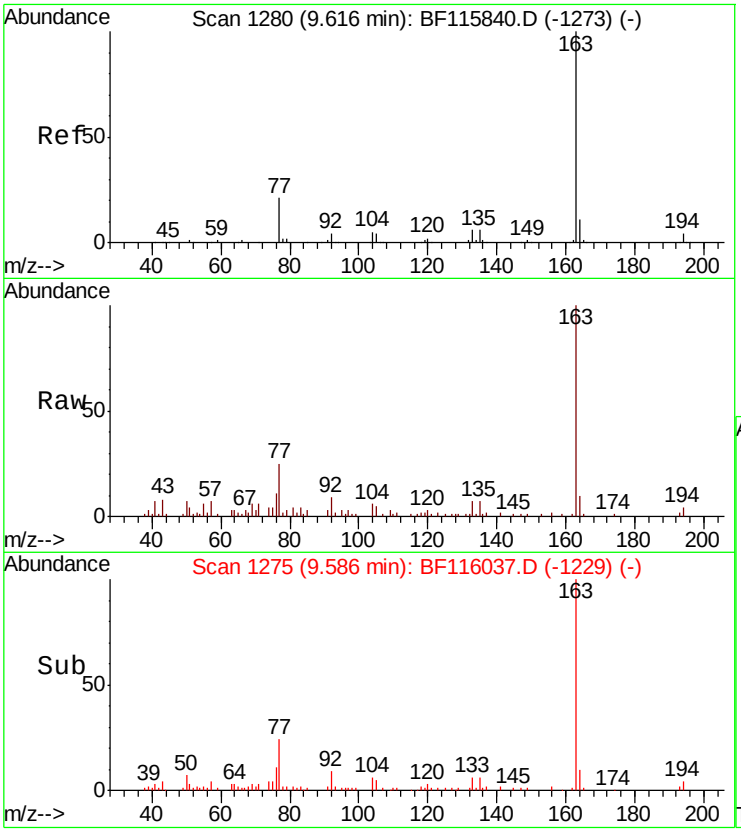


#49
Acenaphthylene
Concen: 2.075 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:152 Resp: 44205

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	15.4	11.6	17.4



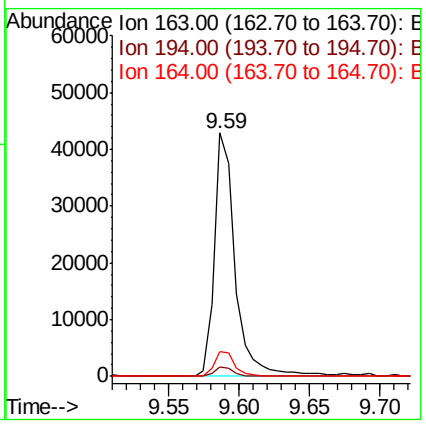


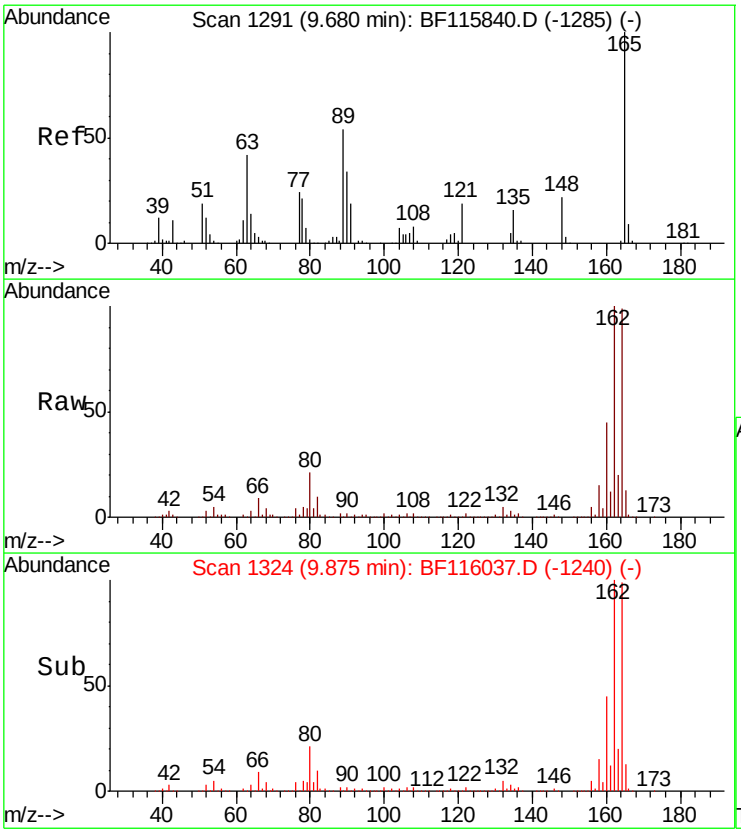
#50
Dimethylphthalate
Concen: 2.606 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 44103

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.3	8.4	12.6

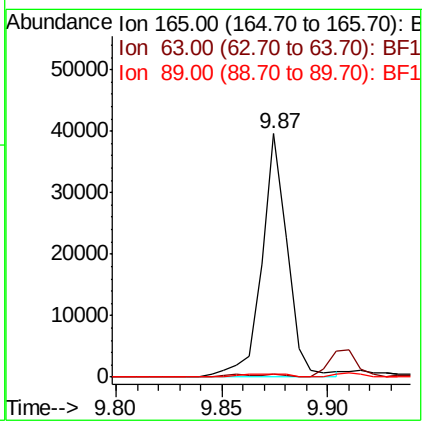


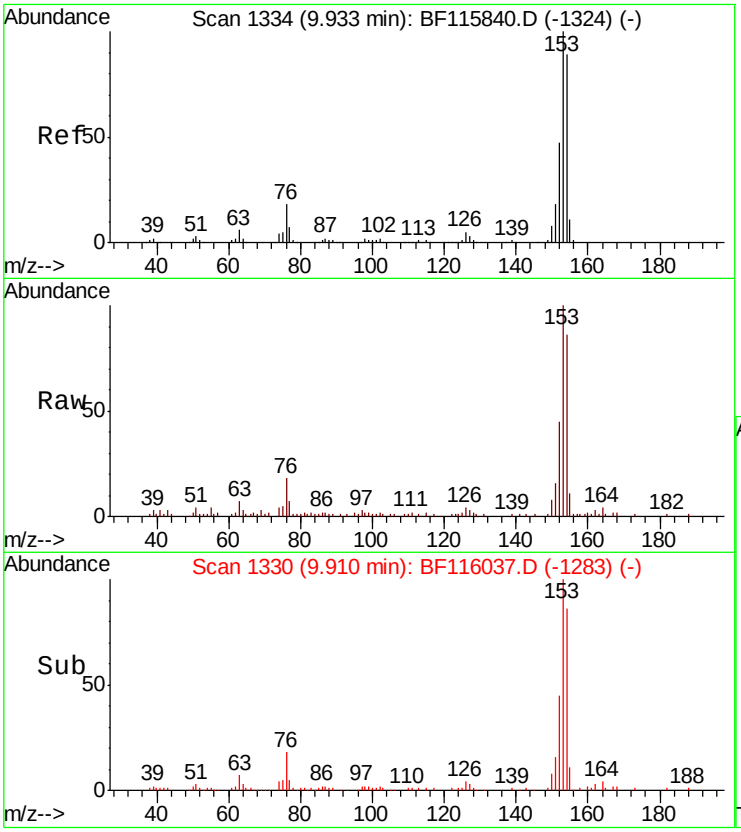


#51
2,6-Dinitrotoluene
Concen: 9.135 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.19 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:165 Resp: 33598

Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.4	59.2#
89	1.5	43.0	64.6#



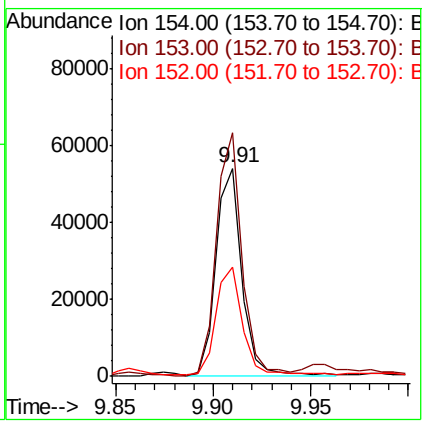


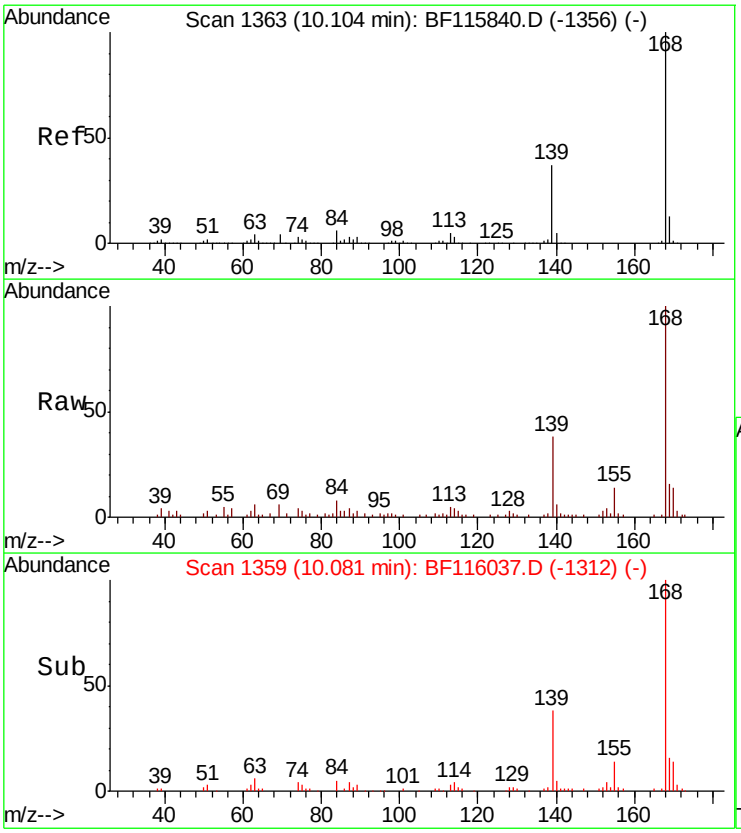
#52
Acenaphthene
Concen: 3.855 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 50394

Ion	Ratio	Lower	Upper
154	100		
153	117.0	90.1	135.1
152	52.7	42.6	63.8

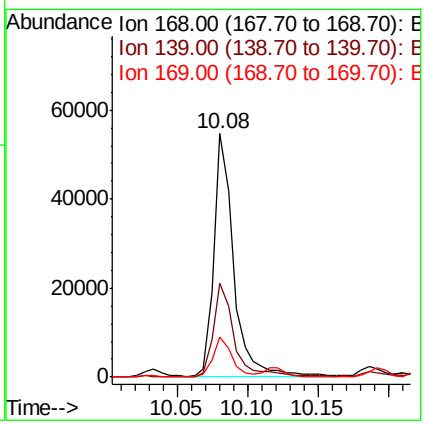


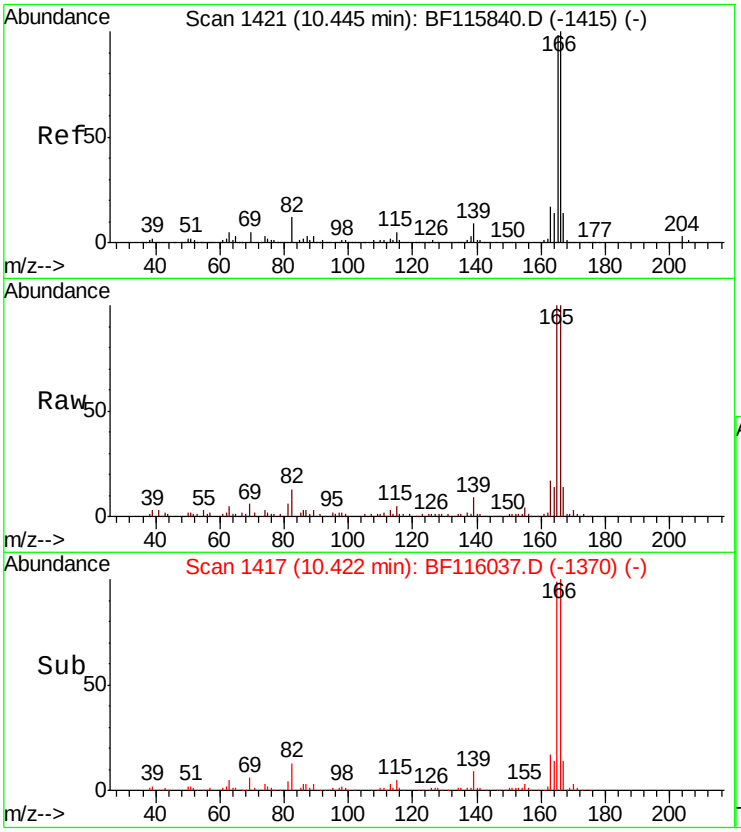


#55
Dibenzofuran
Concen: 2.861 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:168 Resp: 54386

Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.2	45.2
169	16.2	10.8	16.2#



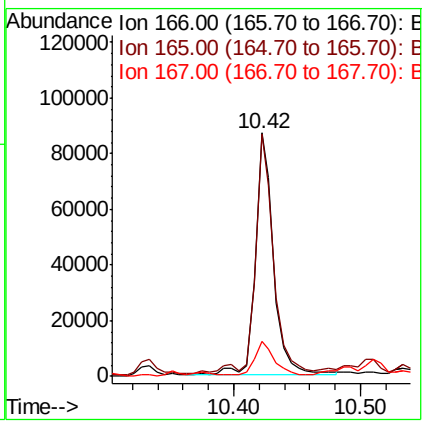


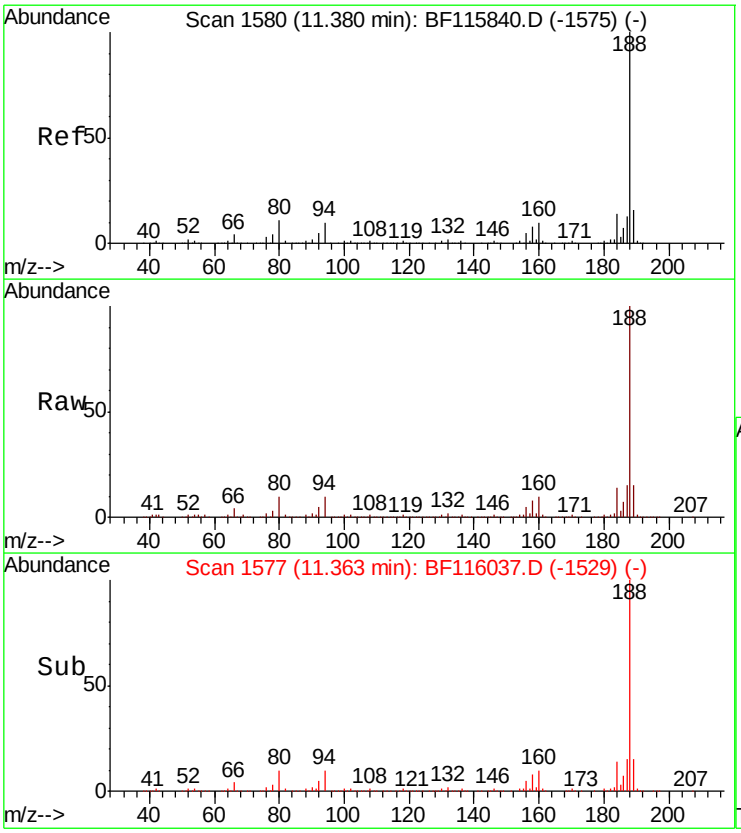
#58
Fluorene
Concen: 6.044 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 88403

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.6	118.0
167	14.1	10.9	16.3

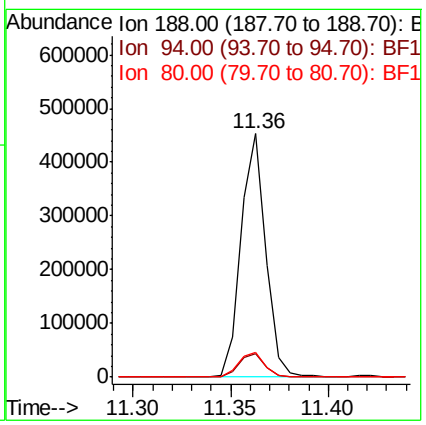


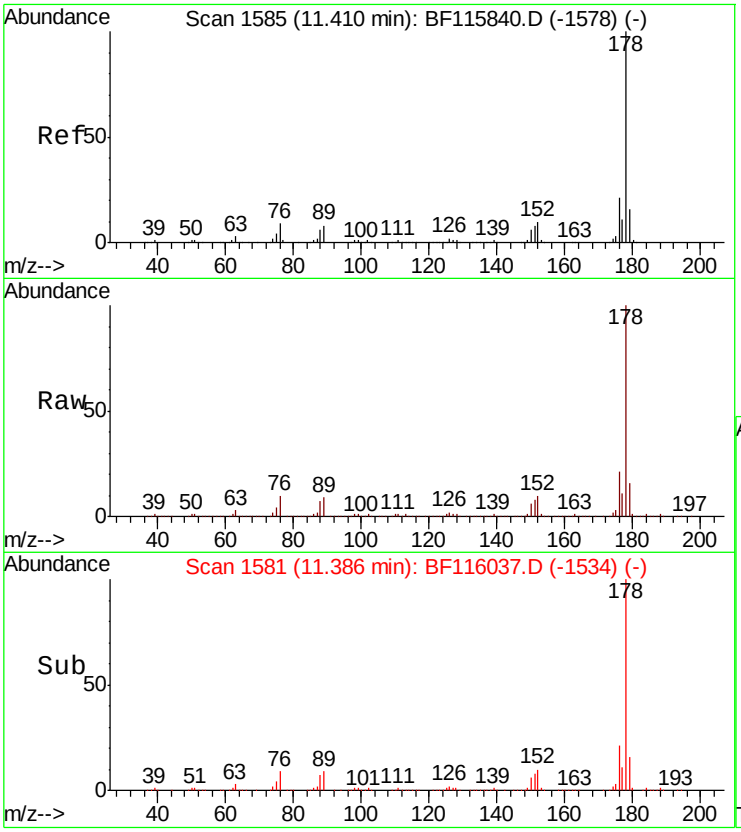


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:188 Resp: 397626

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.3	8.6	12.8



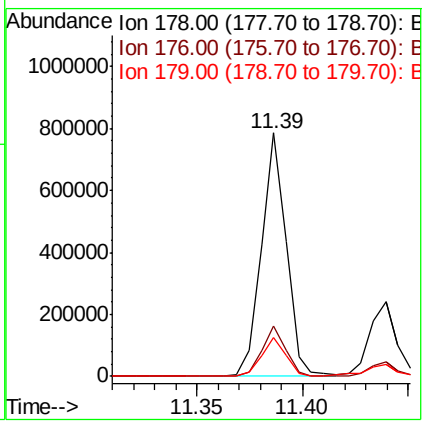


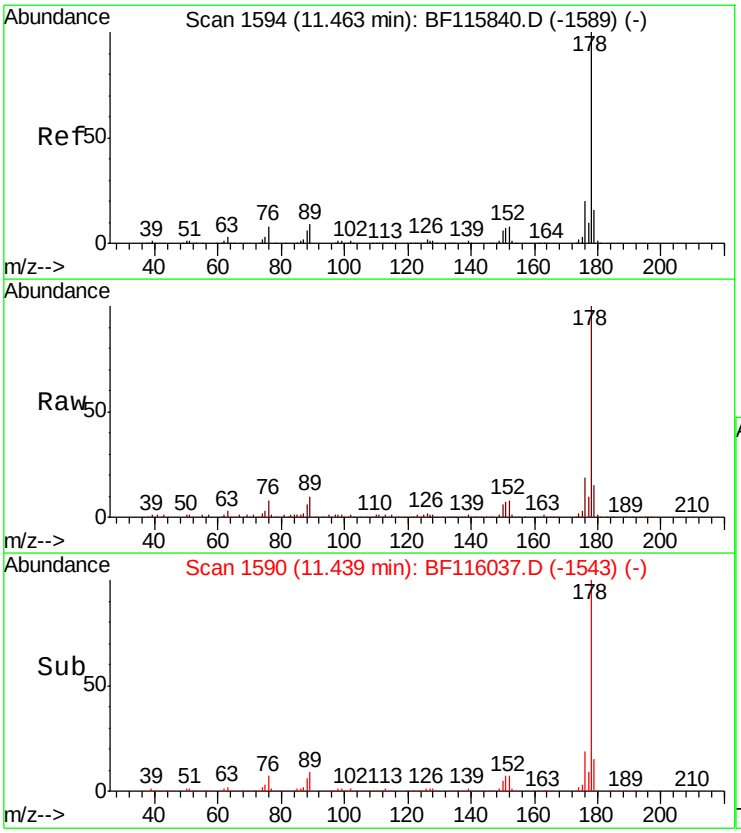
#71
Phenanthrene
Concen: 31.817 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 646769

Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.5	24.7
179	15.8	12.6	18.8

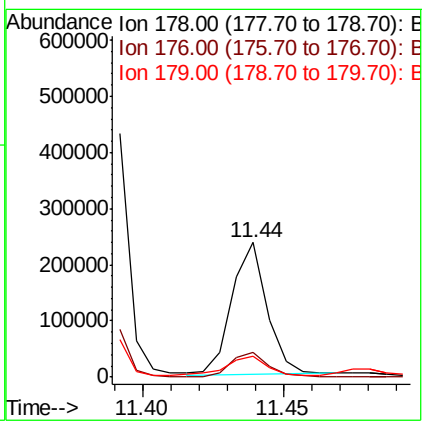


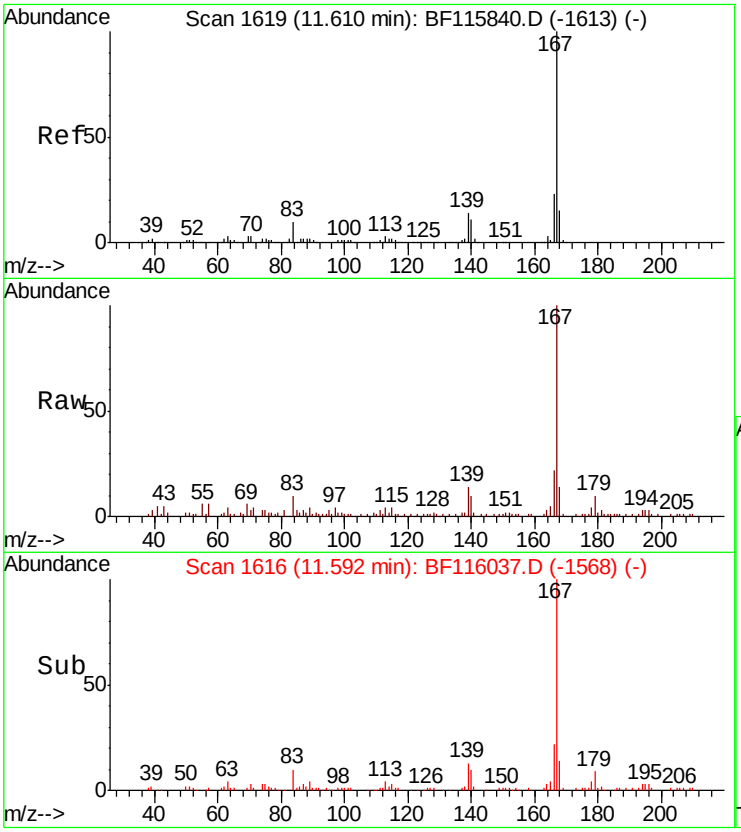


#72
Anthracene
Concen: 9.904 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:178 Resp: 203745

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.4	12.4	18.6



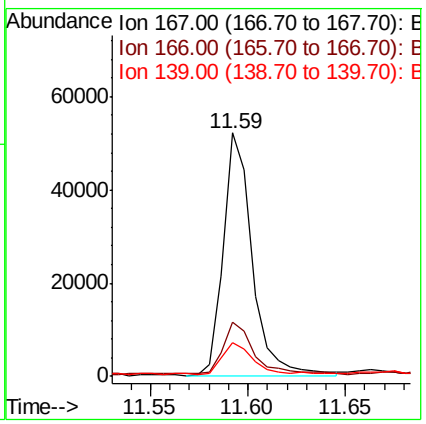


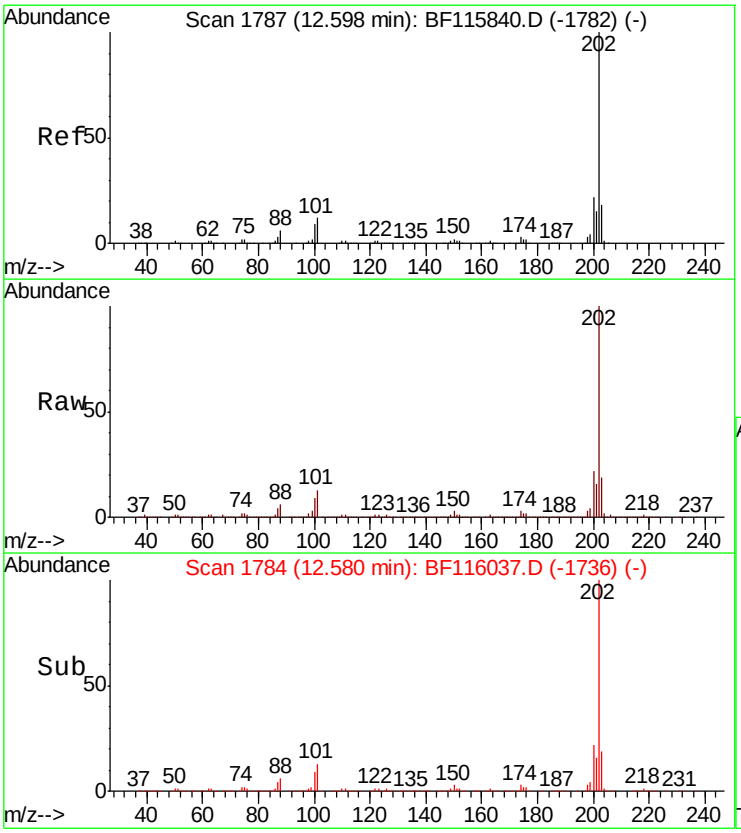
#73
Carbazole
Concen: 2.918 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 54471

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.6	11.4	17.2

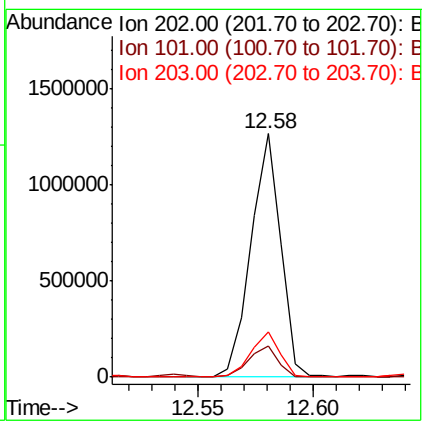


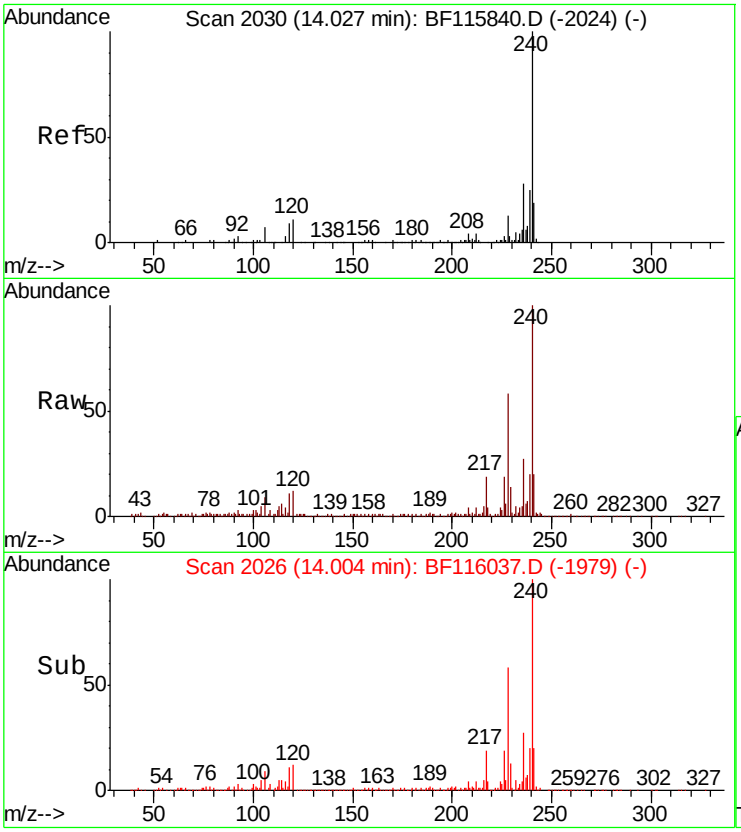


#75
Fluoranthene
Concen: 53.538 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:202 Resp: 1139338

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.5
203	18.7	0.0	37.9



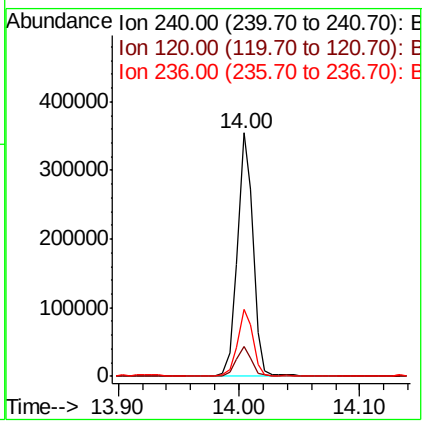


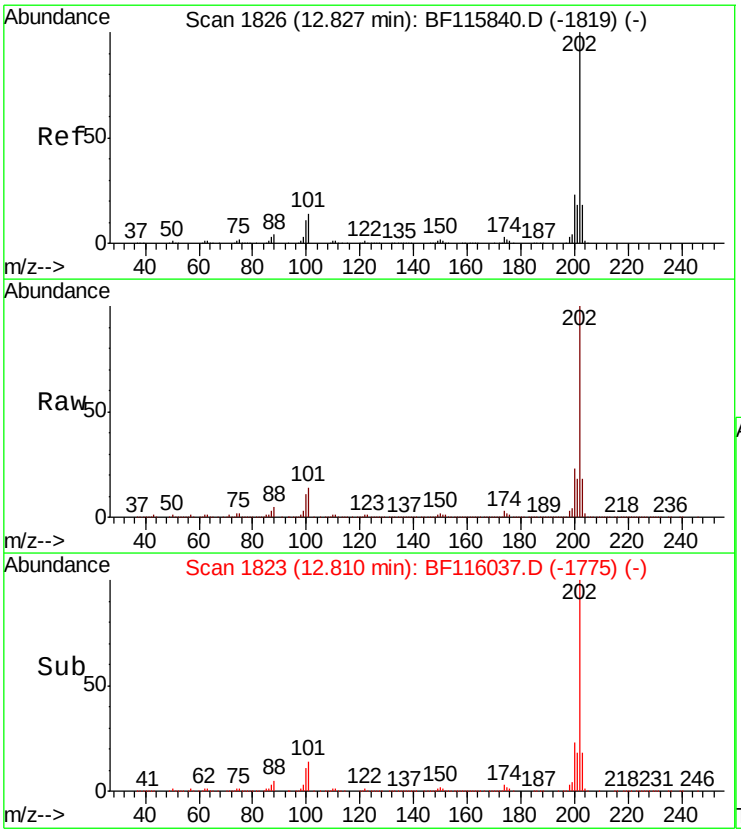
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 319968

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.5	12.7
236	27.4	22.2	33.2

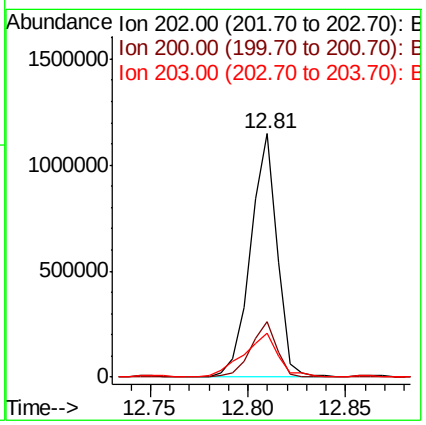


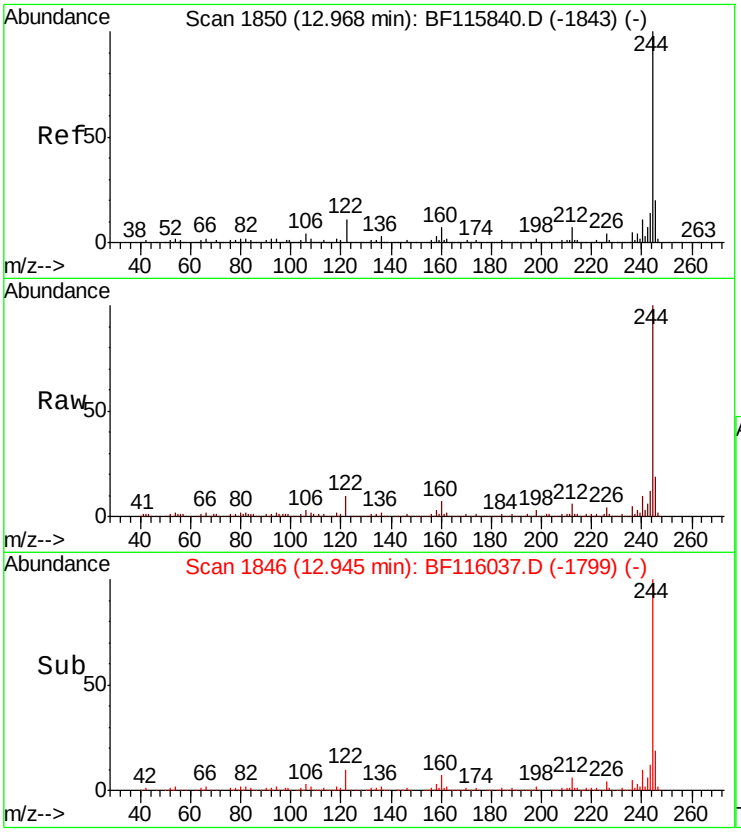


#78
Pyrene
Concen: 44.771 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:202 Resp: 1079863

Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.2
203	17.9	14.3	21.5



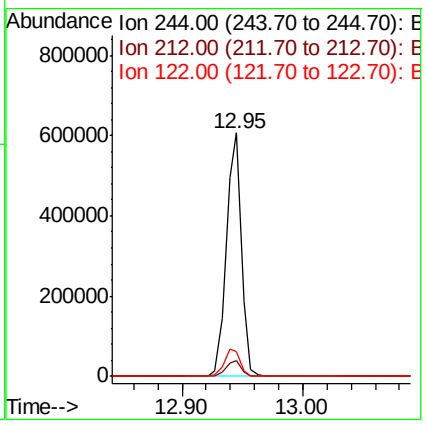


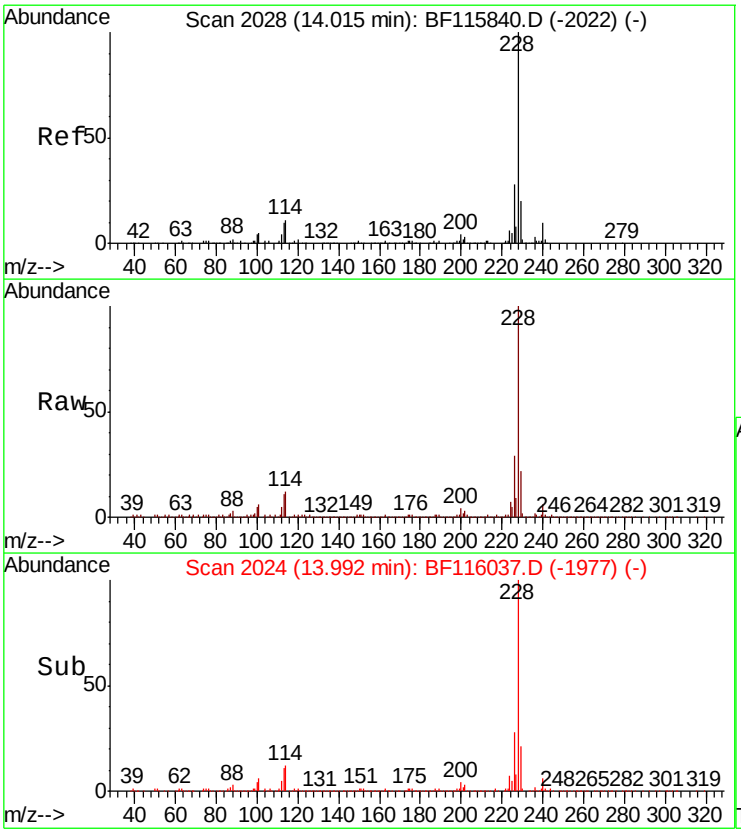
#79
Terphenyl-d14
Concen: 34.442 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 522997

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.0	8.6	13.0

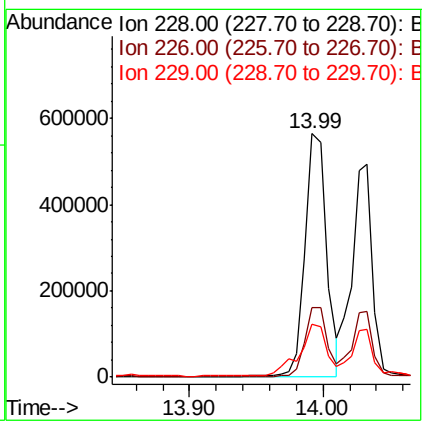


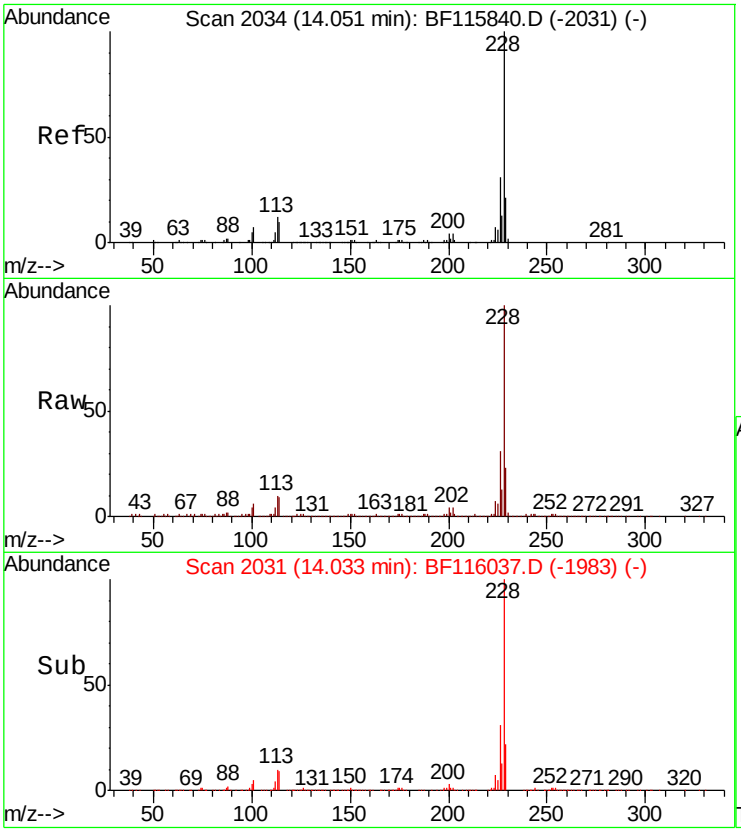


#81
Benzo(a)anthracene
Concen: 30.308 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:228 Resp: 619845

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	21.7	16.1	24.1



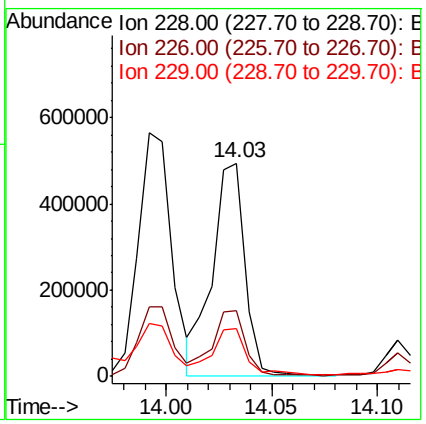


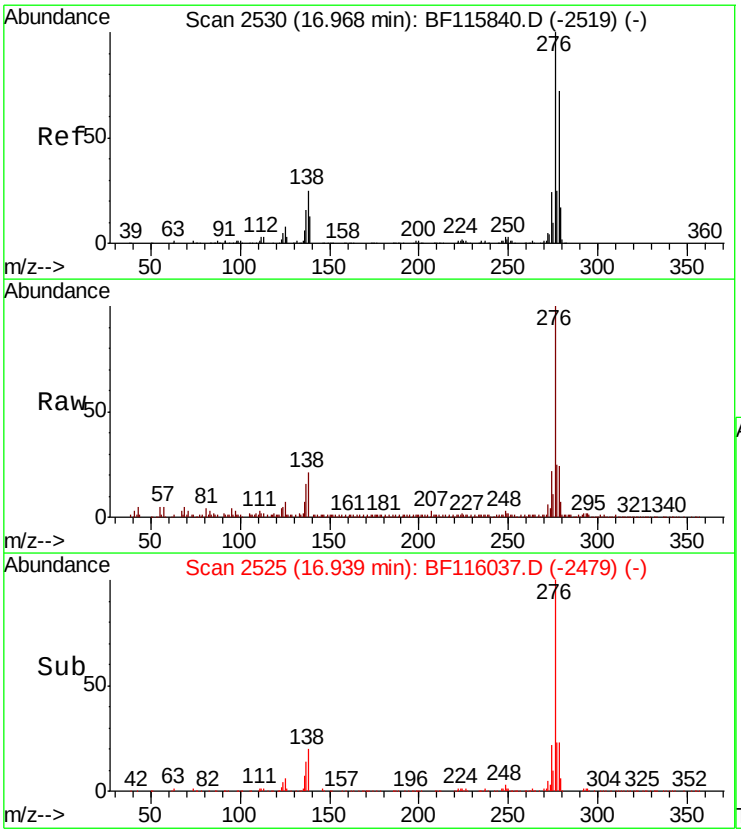
#83
Chrysene
Concen: 26.575 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 527649

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.6	16.4	24.6

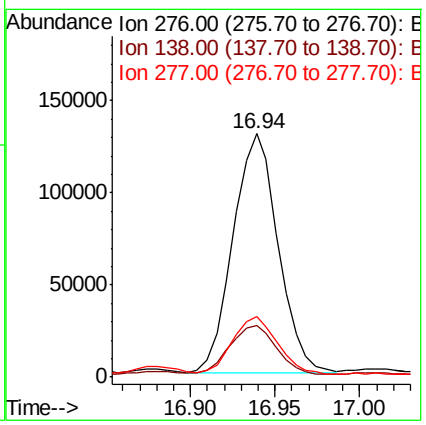


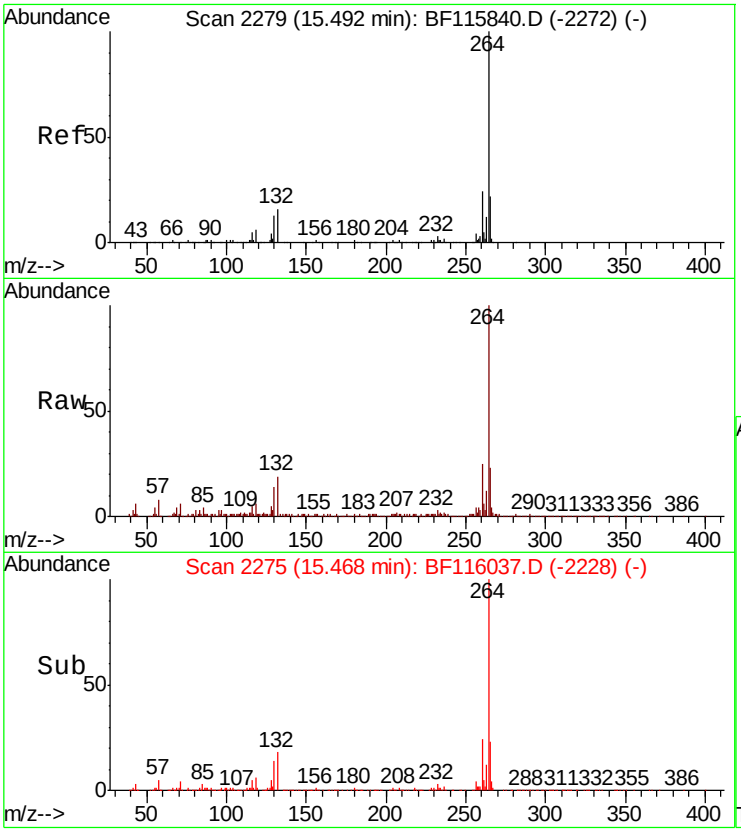


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.415 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:276 Resp: 240383

Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.6	29.4
277	23.9	20.1	30.1



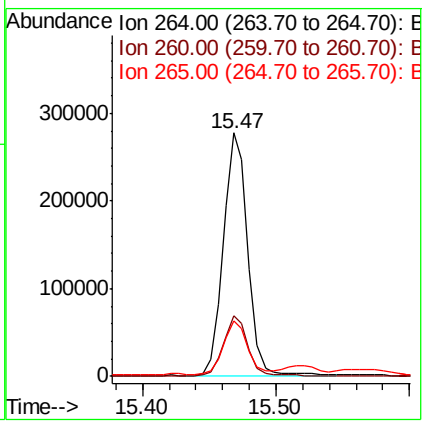


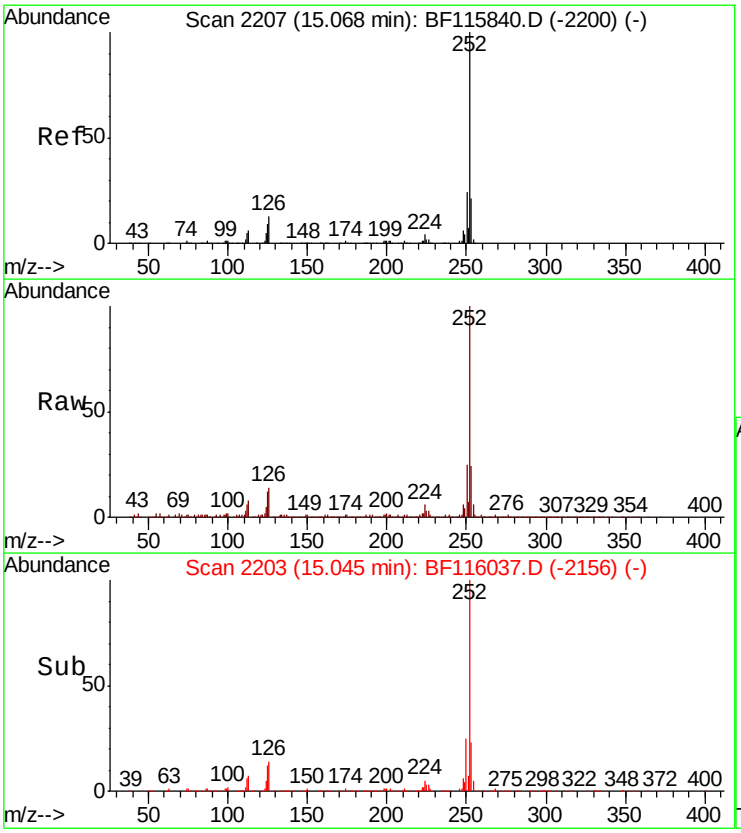
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 353305

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	23.0	17.5	26.3

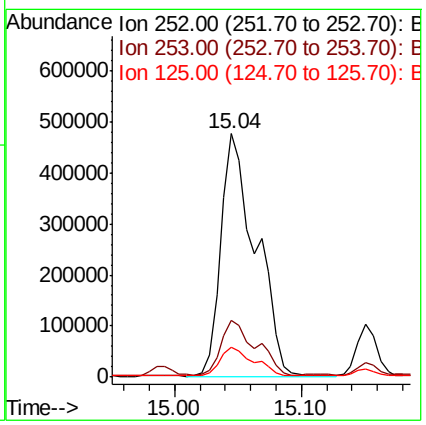


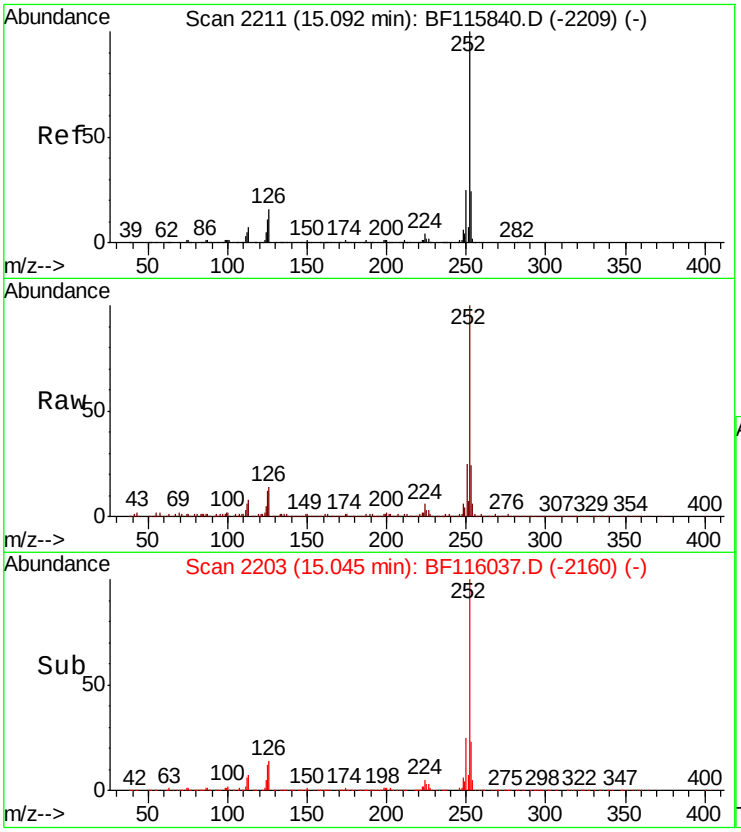


#88
Benzo(b)fluoranthene
Concen: 44.503 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:252 Resp: 909128

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	12.4	7.4	11.0#



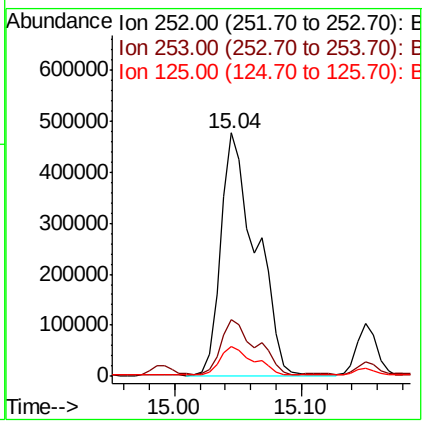


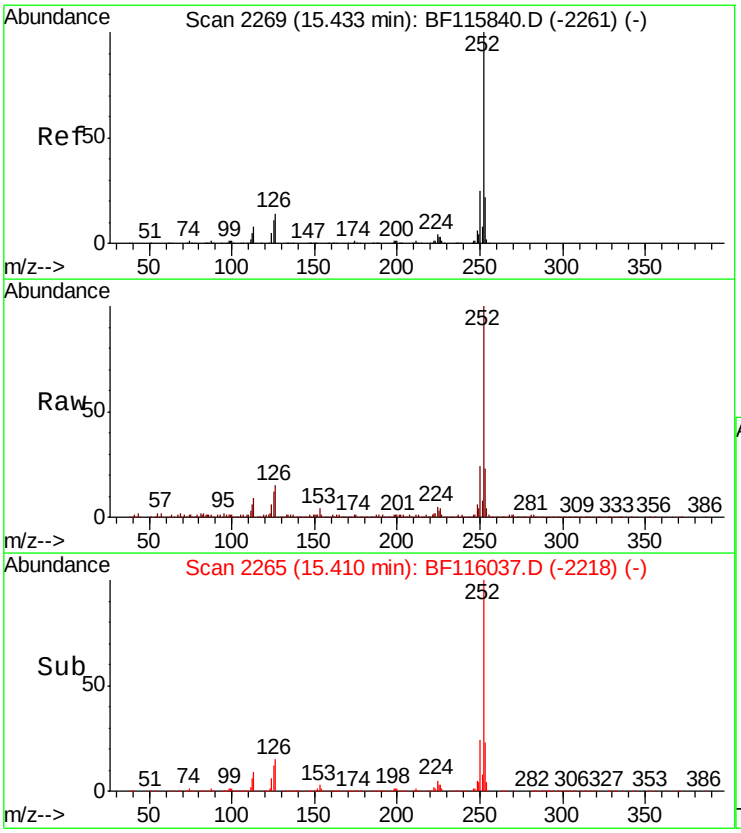
#89
Benzo(k)fluoranthene
Concen: 45.690 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 909128

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	12.4	8.9	13.3

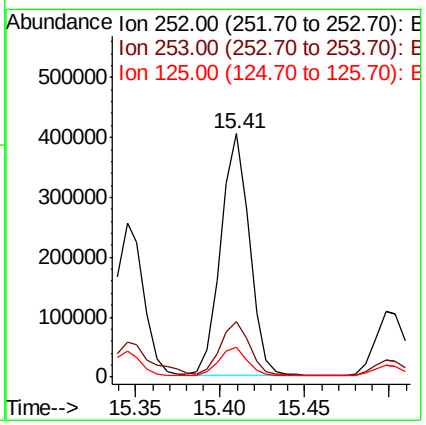


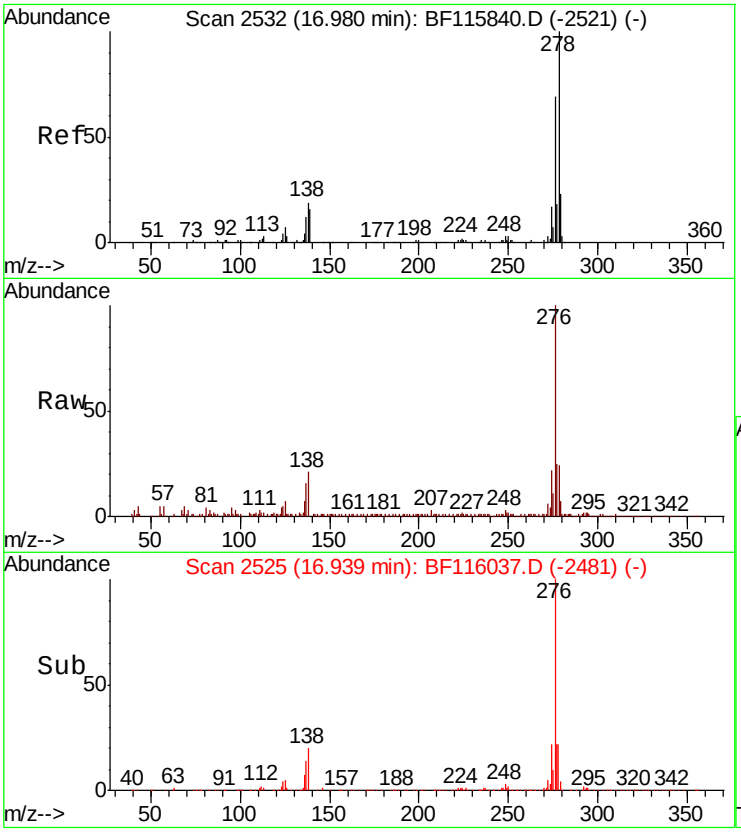


#90
Benzo(a)pyrene
Concen: 26.447 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:252 Resp: 482955

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.2	8.8	13.2



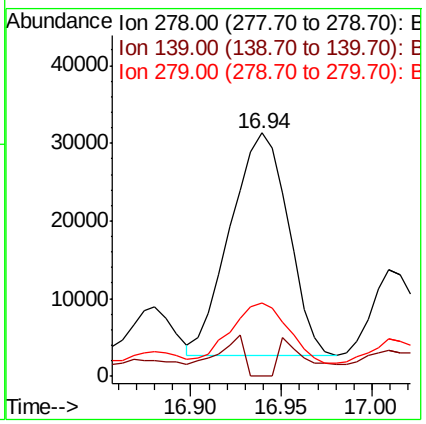


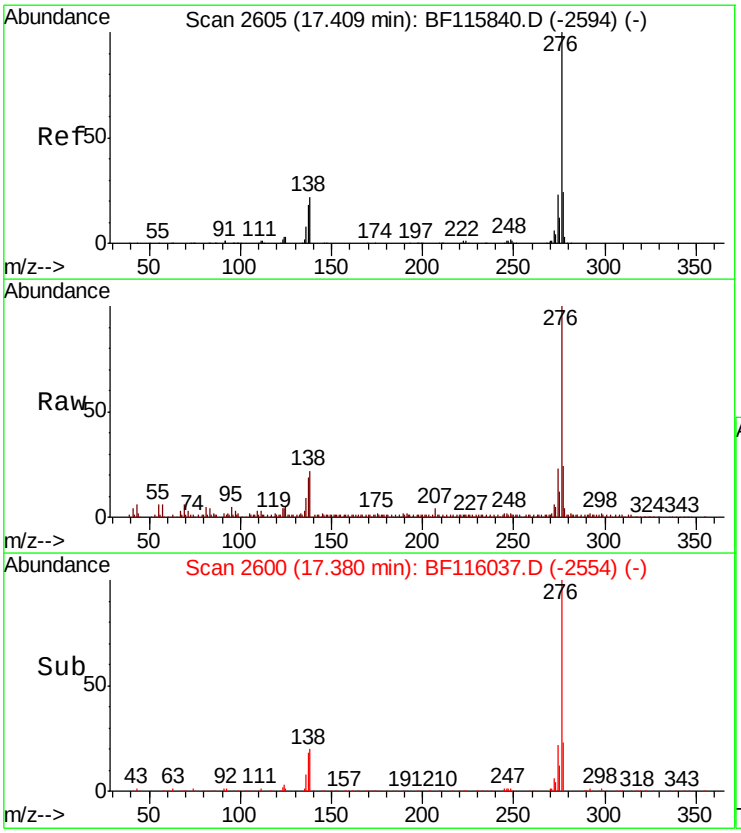
#91
Dibenzo(a,h)anthracene
Concen: 4.040 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 63859

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	30.0	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 14.070 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.03 min
Lab File: BF116037.D
Acq: 7 Aug 2019 4:05

Tgt Ion:276 Resp: 218419

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.5	29.3
138	22.5	17.8	26.8