Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118840.D
Acq On : 6 Feb 2020 16:41
Operator : CG/JU
Sample : L1408-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 06 21:06:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	240442	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	898458	20.00	ng		-0.01
39) Acenaphthene-d10	9.85	164	517846	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	956776	20.00	ng		0.00
76) Chrysene-d12	13.98	240	647072	20.00	ng		0.00
87) Perylene-d12	15.43	264	778601	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	1067350	84.03	ng		0.00
7) Phenol-d6	6.45	99	1343616	85.21	ng		0.00
23) Nitrobenzene-d5	7.37	82	905414	60.07	ng		-0.01
42) 2,4,6-Tribromophenol	10.64	330	507240	81.86	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	1793282	61.91	ng		-0.01
79) Terphenyl-d14	12.92	244	1974867	62.69	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.36	77	5571	Below Cal			90
18) Hexachloroethane	7.35	117	12378	2.053	ng	#	34
19) n-Nitroso-di-n-propylamine	7.37	70	122066	12.652	ng	#	76
25) Isophorone	7.37	82	903023	33.334	ng	#	63
31) Naphthalene	8.12	128	953024	23.193	ng		98
33) 4-Chloroaniline	8.12	127	127176	6.918	ng	#	36
37) 2-Methylnaphthalene	8.80	142	172447	6.051	ng		98
38) 1-Methylnaphthalene	8.90	142	151010	5.633	ng		98
46) 1,1'-Biphenyl	9.27	154	100676	2.810	ng		98
49) Acenaphthylene	9.71	152	854834	19.881	ng		98
50) Dimethylphthalate	9.56	163	116984	3.318	ng		100
51) 2,6-Dinitrotoluene	9.85	165	72948	9.042	ng	#	32
52) Acenaphthene	9.88	154	168180	5.936	ng		99
55) Dibenzofuran	10.05	168	227056	5.545	ng		95
56) 4-Nitrophenol	10.05	139	79656	12.301	ng	#	12
58) Fluorene	10.39	166	276941	8.990	ng		98
67) 4-Bromophenyl-phenylether	10.63	248	31962	2.824	ng	#	1
71) Phenanthrene	11.36	178	2651539	56.326	ng		100
72) Anthracene	11.41	178	876853	18.724	ng		97
73) Carbazole	11.56	167	336510	8.188	ng		98
75) Fluoranthene	12.56	202	3412745	66.399	ng		99
78) Pyrene	12.78	202	3118996	70.262	ng		98
81) Benzo(a)anthracene	14.00	228	1781396	46.264	ng		93
83) Chrysene	14.00	228	1781396	46.096	ng		97
86) Indeno(1,2,3-cd)pyrene	16.87	276	1406758	36.231	ng		96
88) Benzo(b)fluoranthene	15.01	252	2894434	59.909	ng		99
89) Benzo(k)fluoranthene	15.01	252	2894434	68.798	ng	#	98
90) Benzo(a)pyrene	15.37	252	1833205	44.337	ng		98
91) Dibenzo(a,h)anthracene	16.87	278	359424	9.792	ng		92
92) Benzo(g,h,i)perylene	17.32	276	2136891	60.535	ng		98

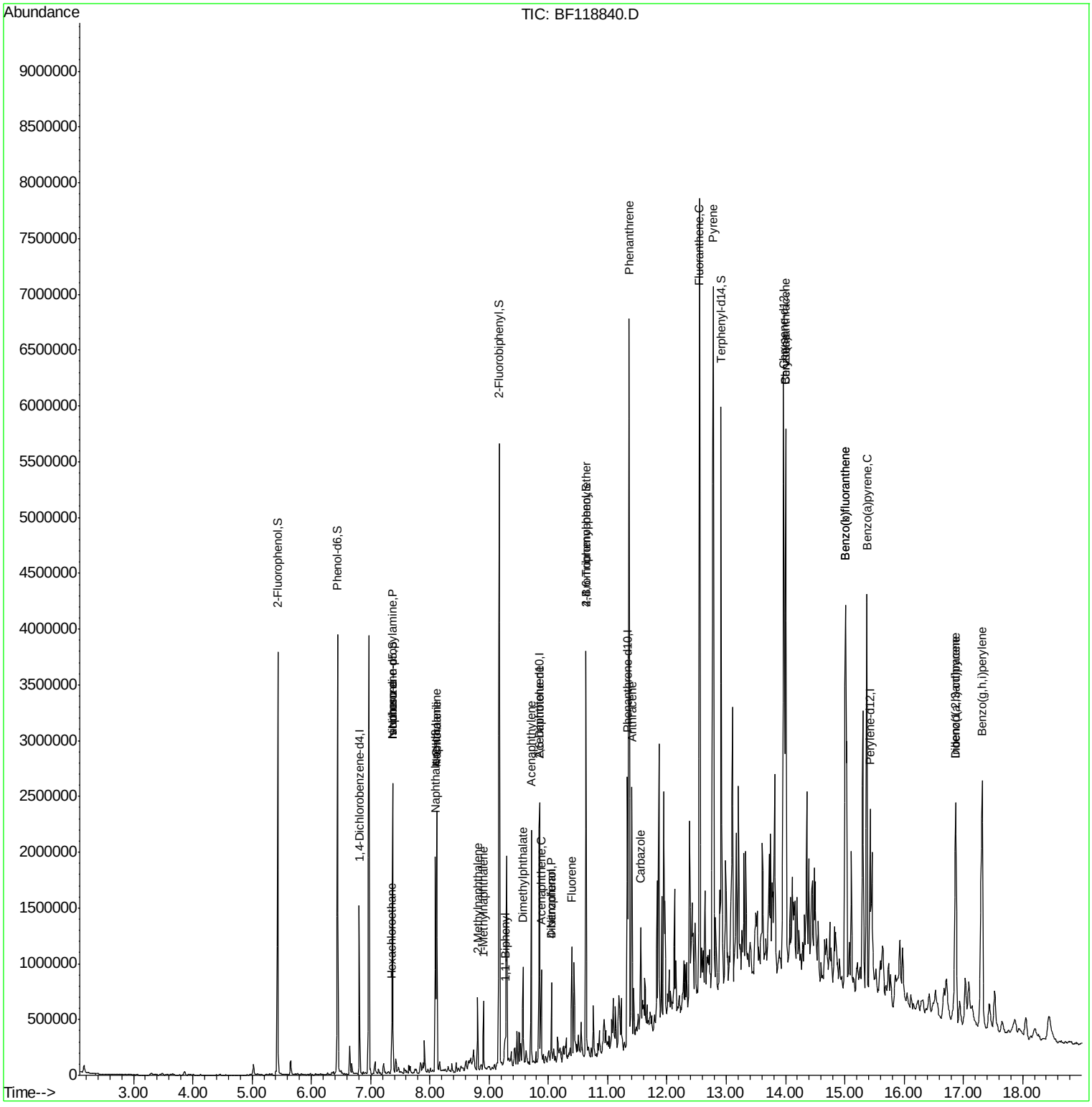
(#) = qualifier out of range (m) = manual integration (+) = signals summed

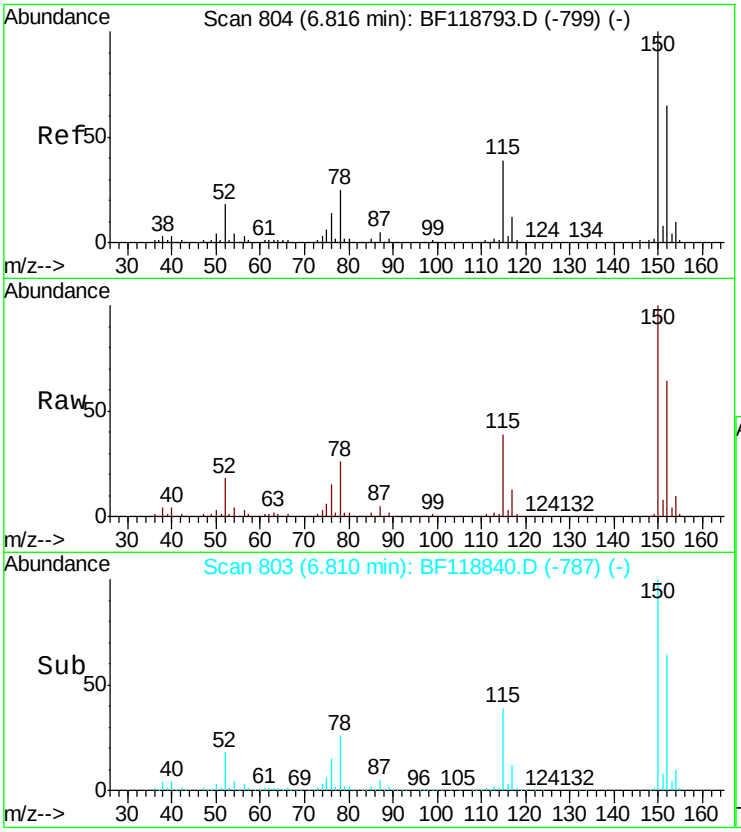
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118840.D
Acq On : 6 Feb 2020 16:41
Operator : CG/JU
Sample : L1408-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 06 21:06:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



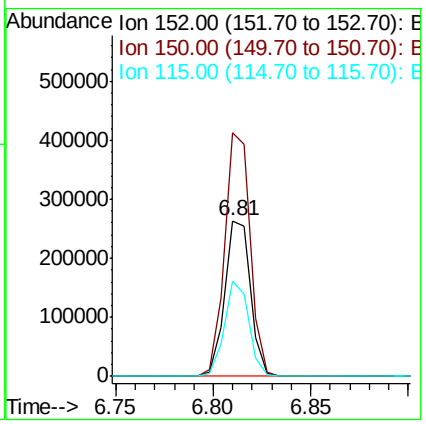


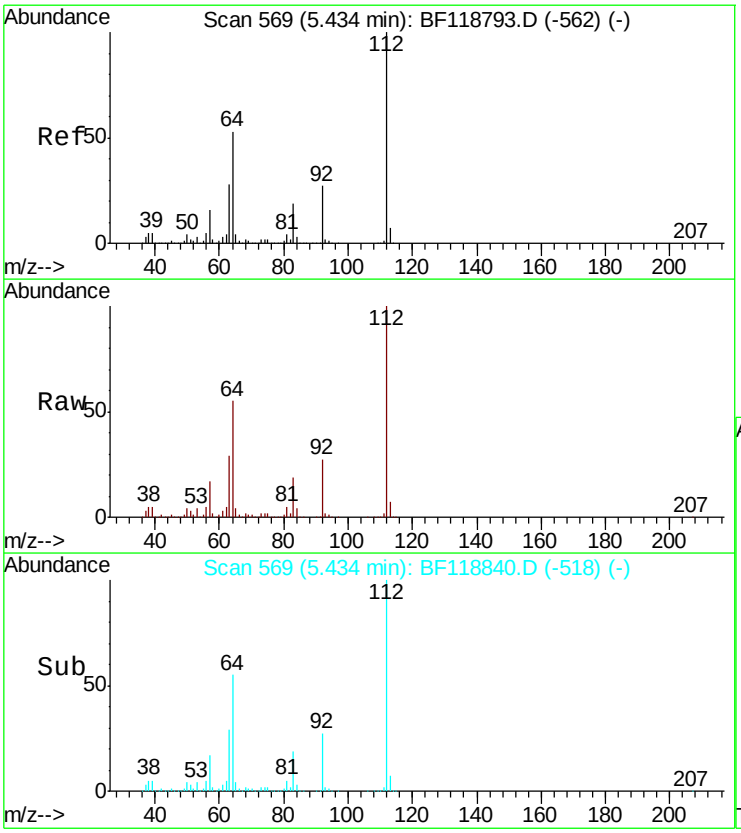
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 240442

Ion	Ratio	Lower	Upper
152	100		
150	156.6	123.6	185.4
115	60.8	48.2	72.2

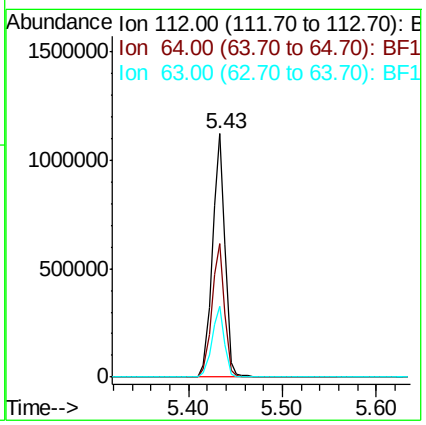


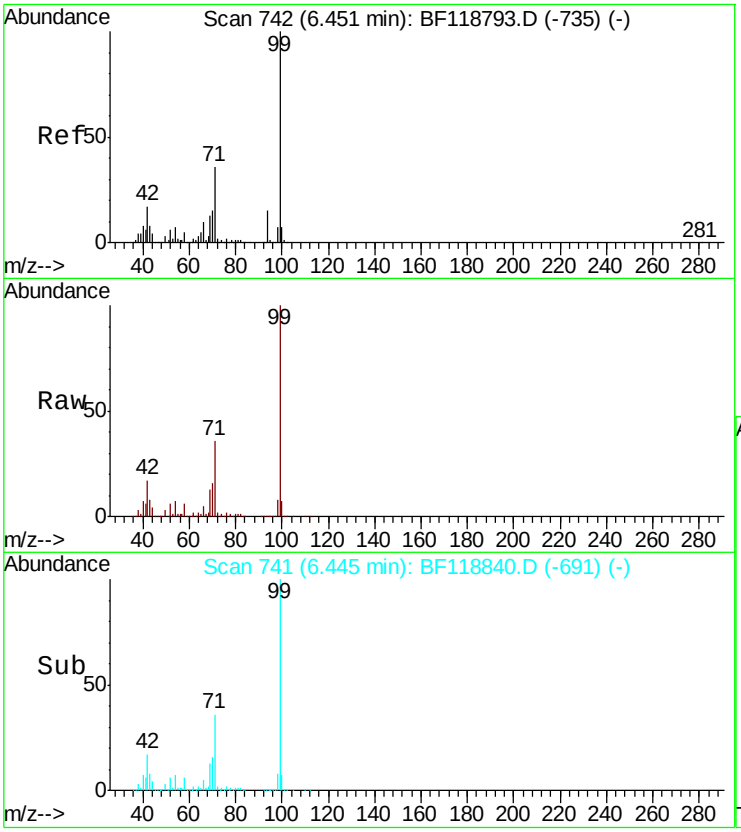


#5
2-Fluorophenol
Concen: 84.029 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:112 Resp: 1067350

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.6	63.8
63	29.0	22.2	33.4



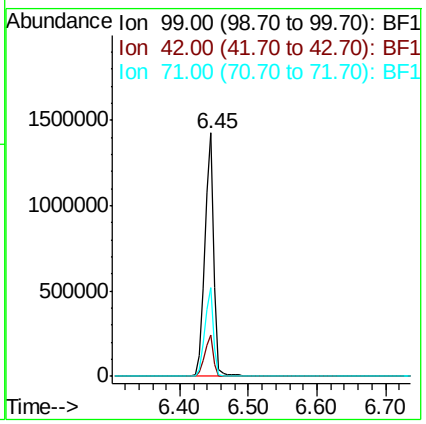


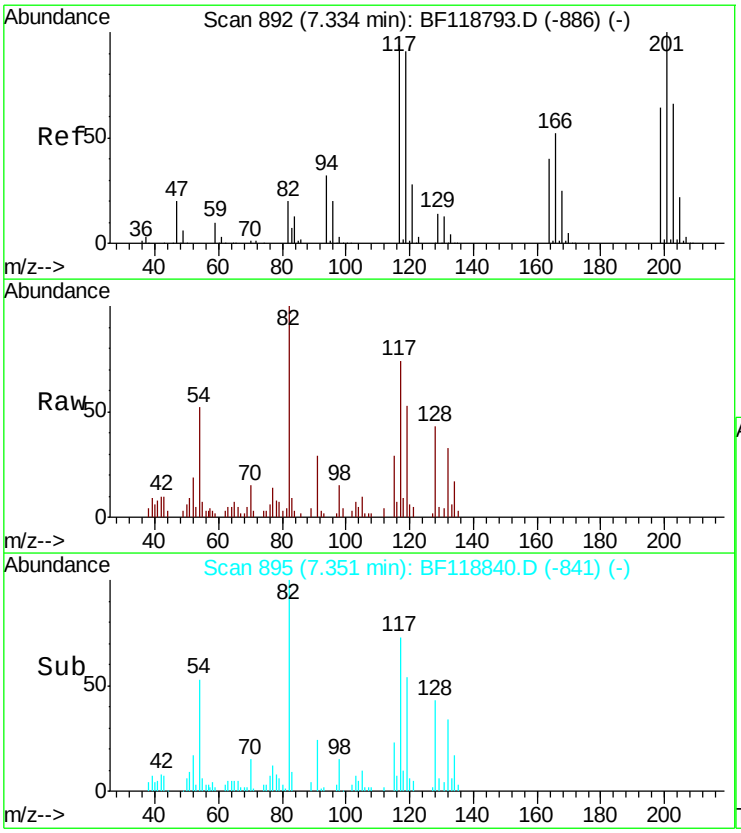
#7
Phenol-d6
Concen: 85.212 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1343616

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.4	20.0
71	36.5	29.0	43.6

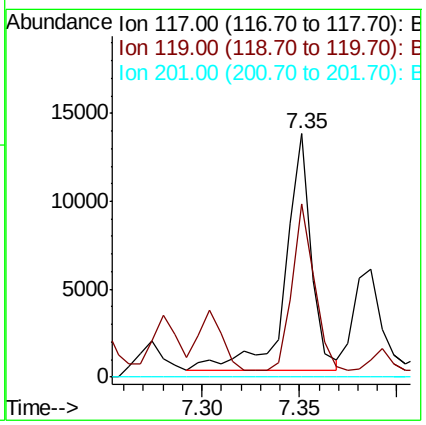


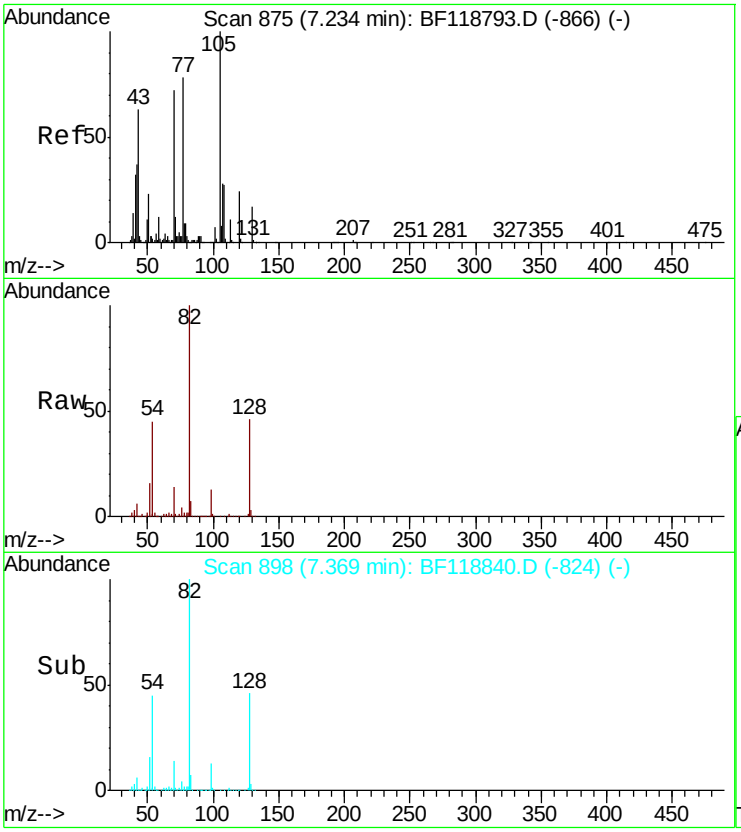


#18
Hexachloroethane
Concen: 2.053 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.02 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:117 Resp: 12378

Ion	Ratio	Lower	Upper
117	100		
119	71.2	77.4	116.0#
201	0.0	85.1	127.7#



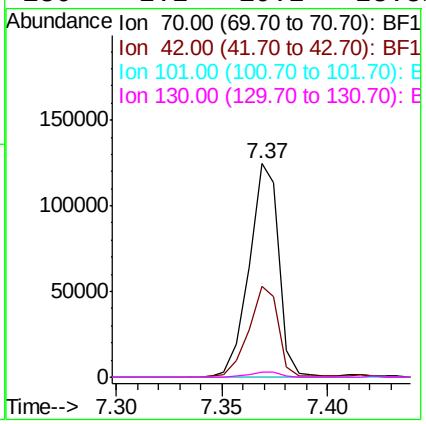


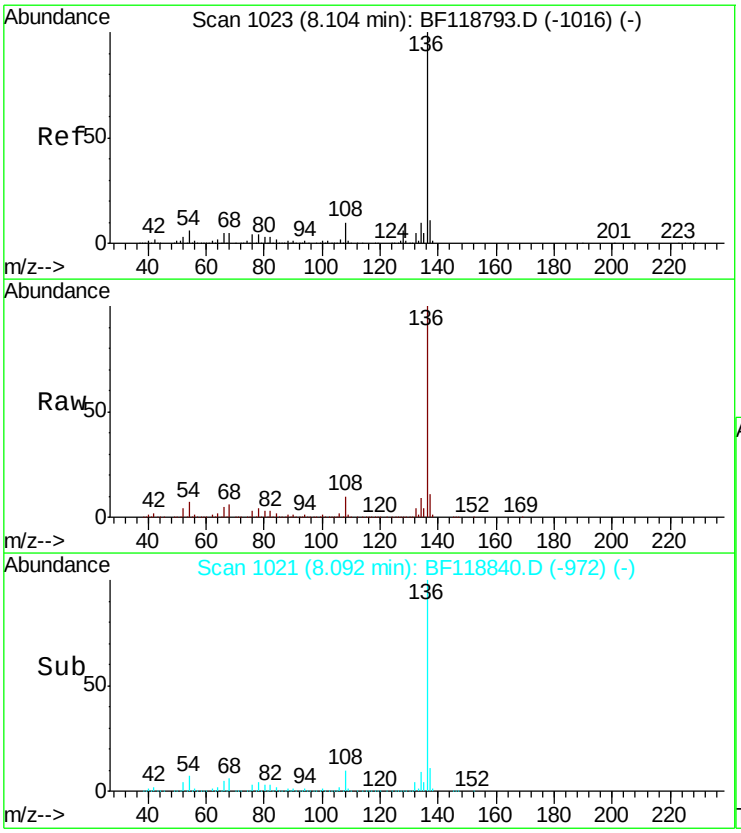
#19
n-Nitroso-di-n-propylamine
Concen: 12.652 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 122066

Ion	Ratio	Lower	Upper
70	100		
42	42.7	41.5	62.3
101	0.0	8.3	12.5#
130	2.2	19.2	28.8#

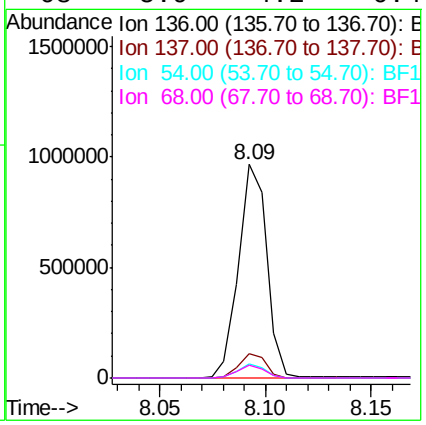


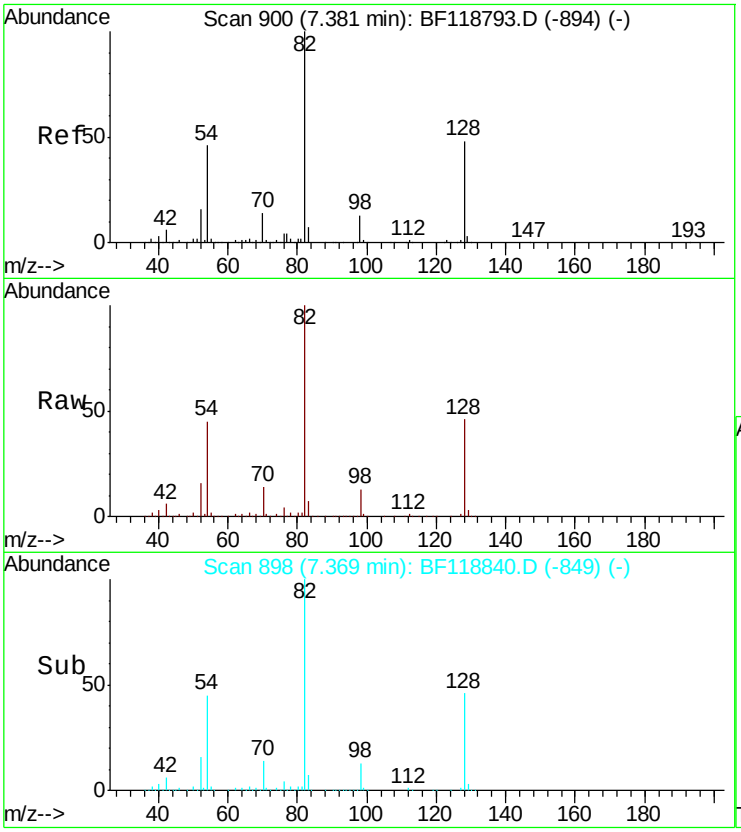


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:136 Resp: 898458

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.9	5.0	7.6
68	5.9	4.2	6.4



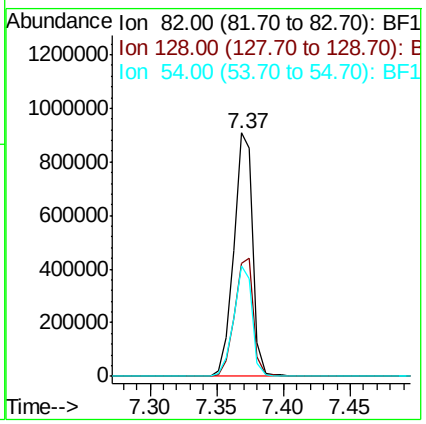


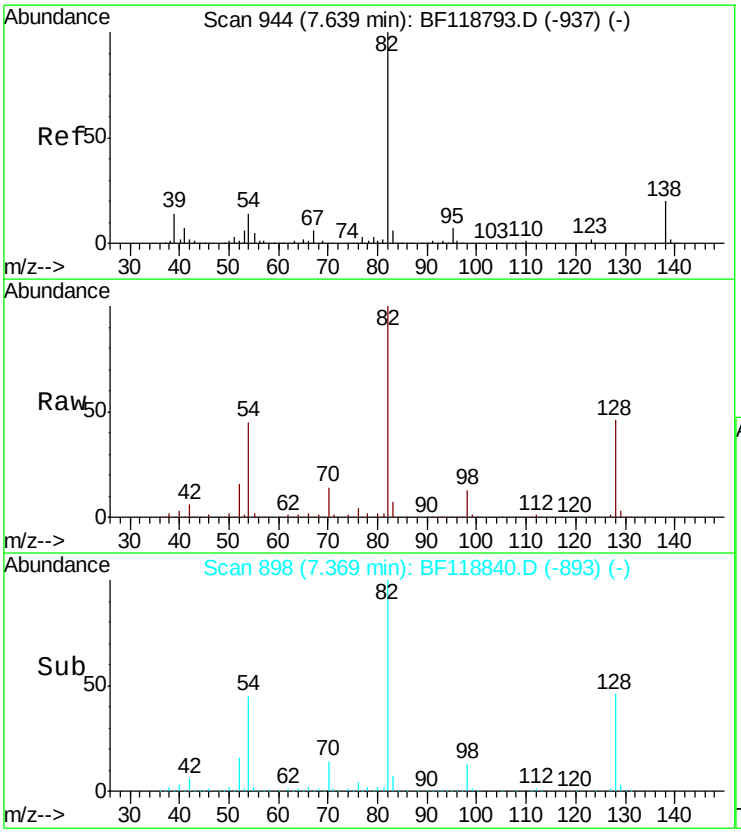
#23
Nitrobenzene-d5
Concen: 60.066 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 905414

Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.5	57.7
54	45.5	36.7	55.1

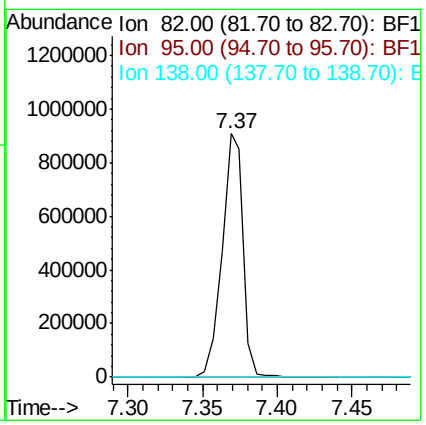


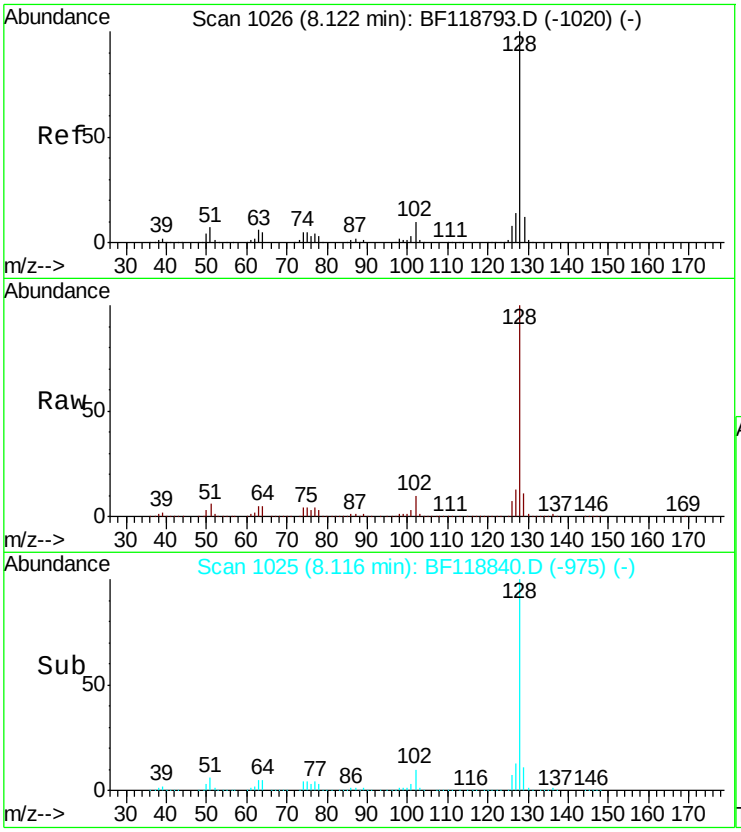


#25
Isophorone
Concen: 33.334 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion: 82 Resp: 903023

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	15.7	23.5#



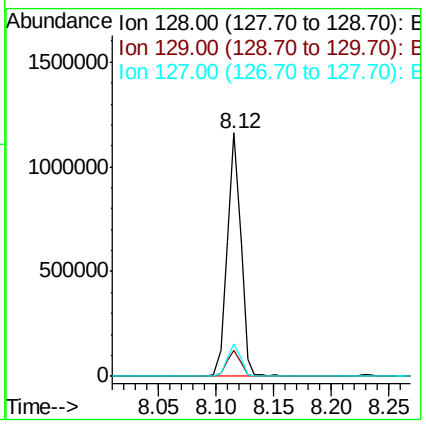


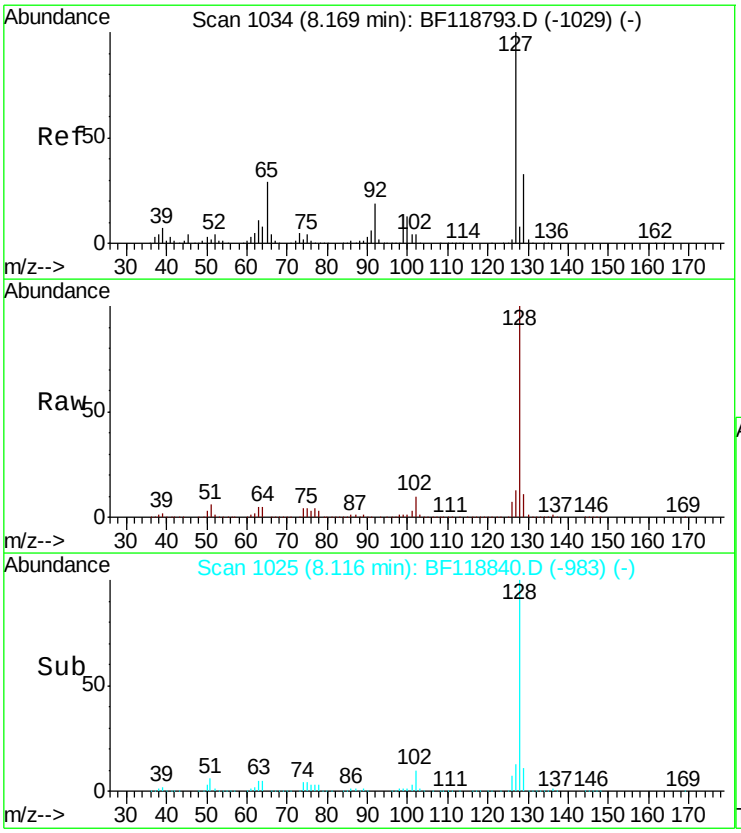
#31
Naphthalene
Concen: 23.193 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 953024

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.4	11.3	16.9

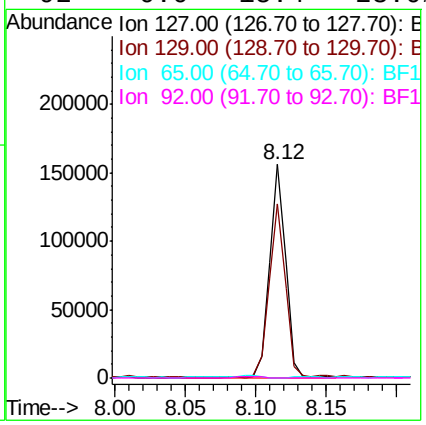


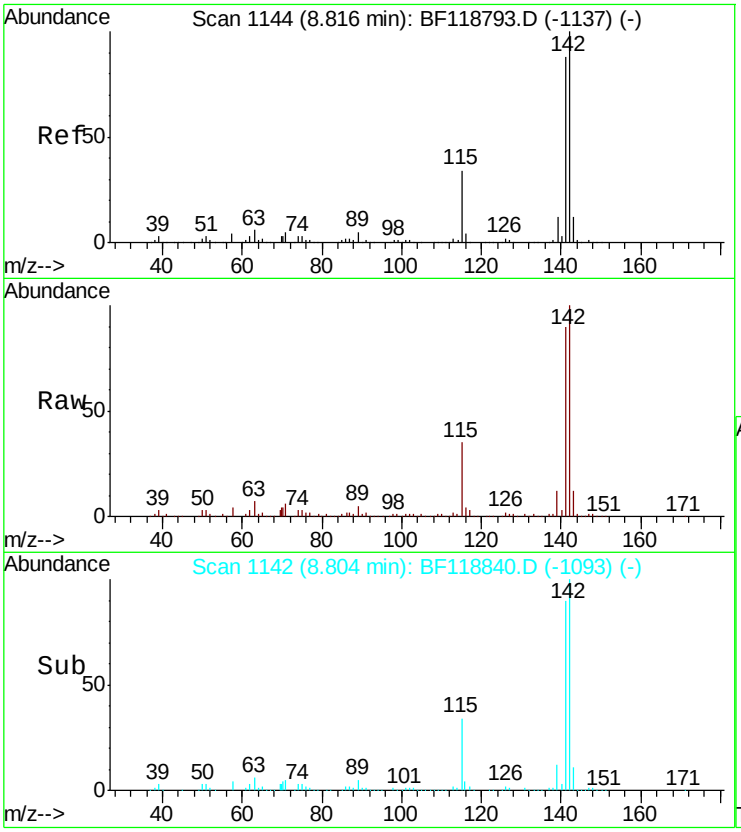


#33
4-Chloroaniline
Concen: 6.918 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:127 Resp: 127176

Ion	Ratio	Lower	Upper
127	100		
129	81.5	26.7	40.1#
65	0.0	22.9	34.3#
92	0.0	15.4	23.0#



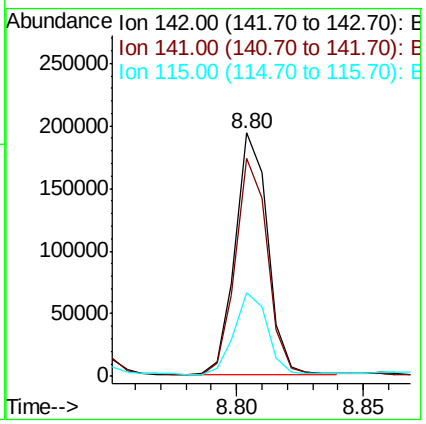


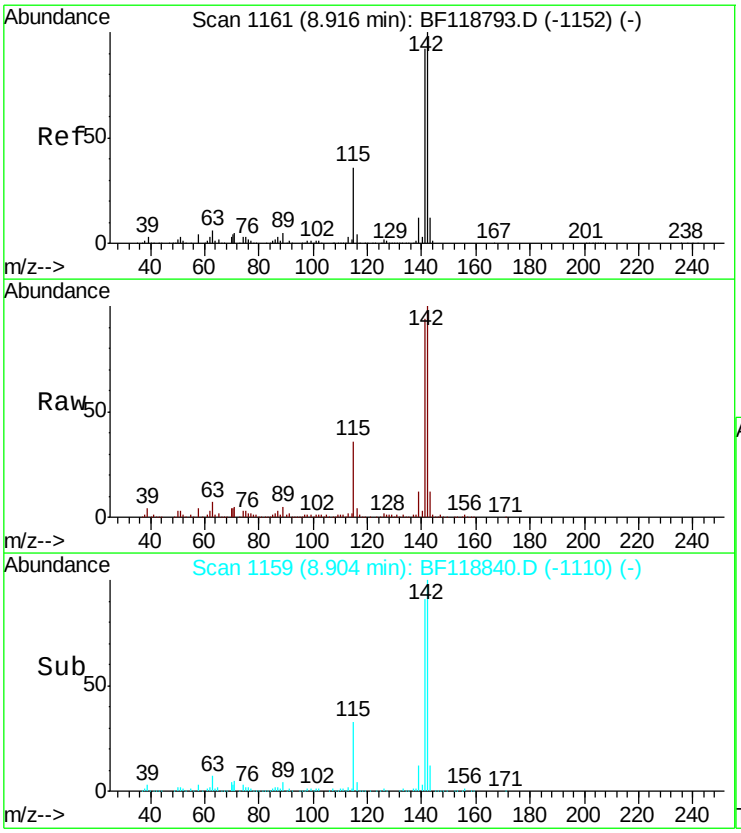
#37
2-Methylnaphthalene
Concen: 6.051 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 172447

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1
115	34.5	27.3	40.9

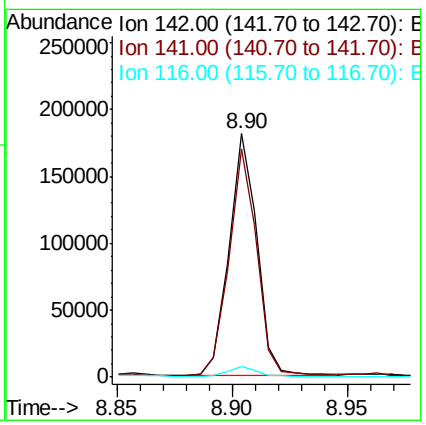


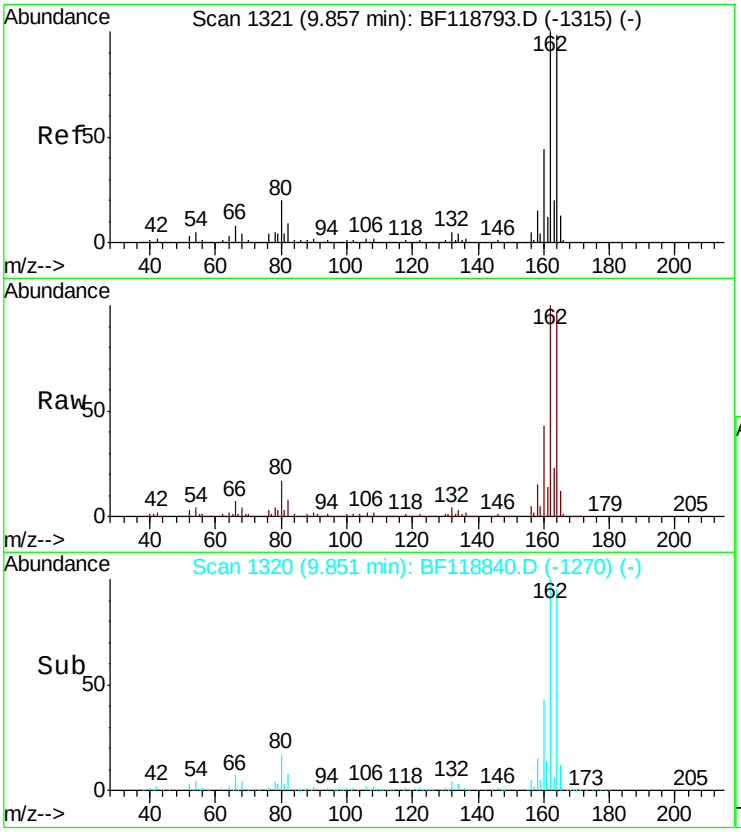


#38
1-Methylnaphthalene
Concen: 5.633 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:142 Resp: 151010

Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.8	110.6
116	4.4	3.0	4.4



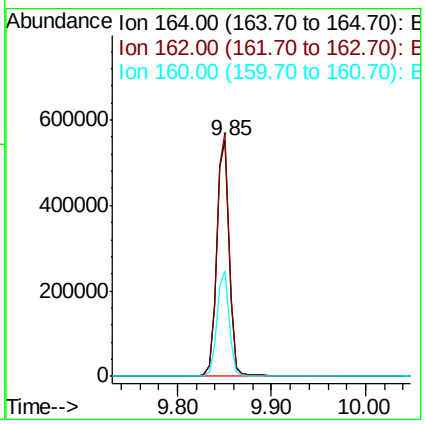


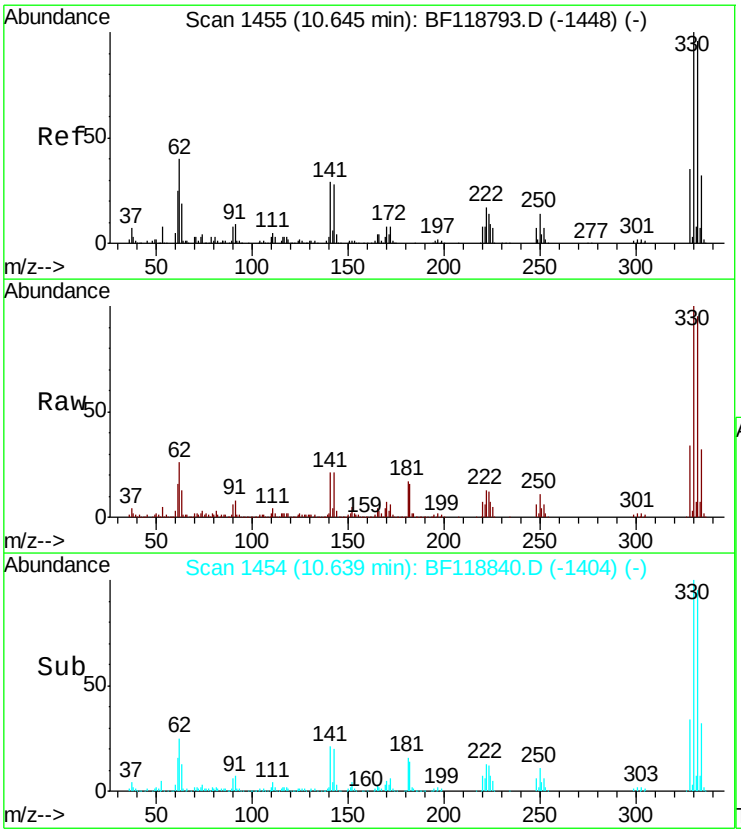
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 517846

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.4	122.2
160	44.6	35.6	53.4

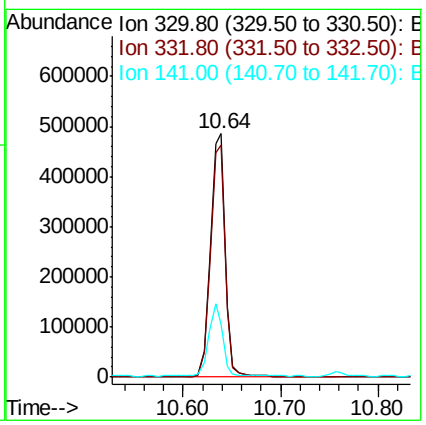


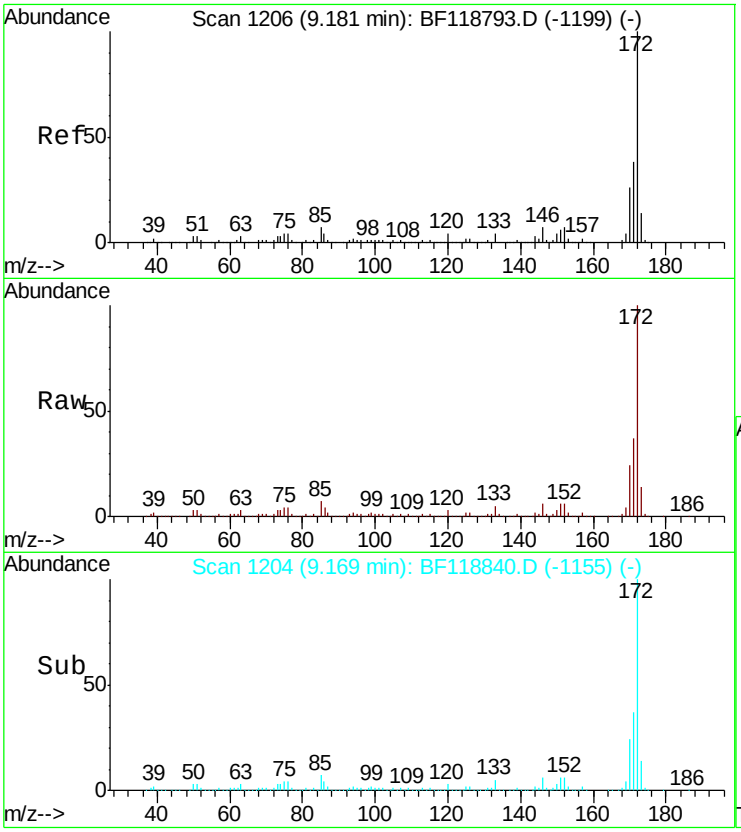


#42
2,4,6-Tribromophenol
Concen: 81.863 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:330 Resp: 507240

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.3	115.9
141	28.4	22.4	33.6



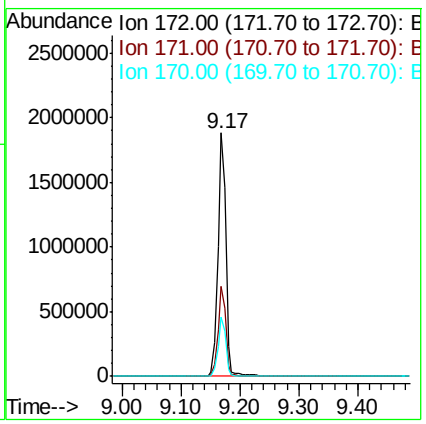


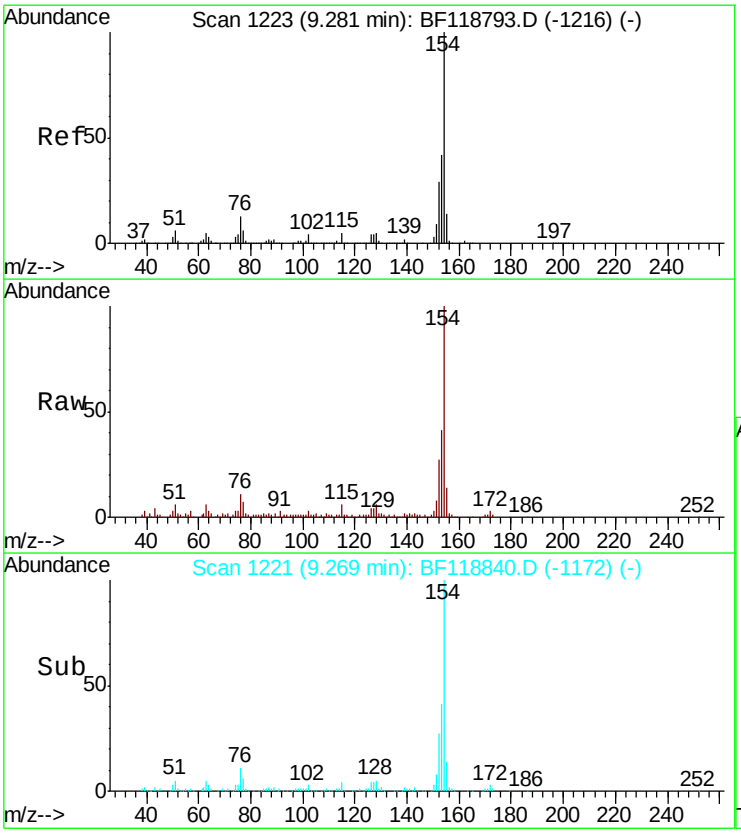
#45
2-Fluorobiphenyl
Concen: 61.907 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1793282

Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.4	20.5	30.7

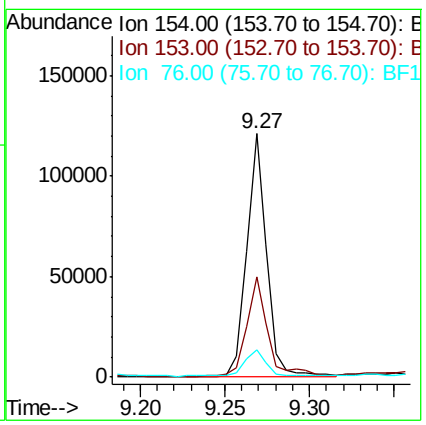


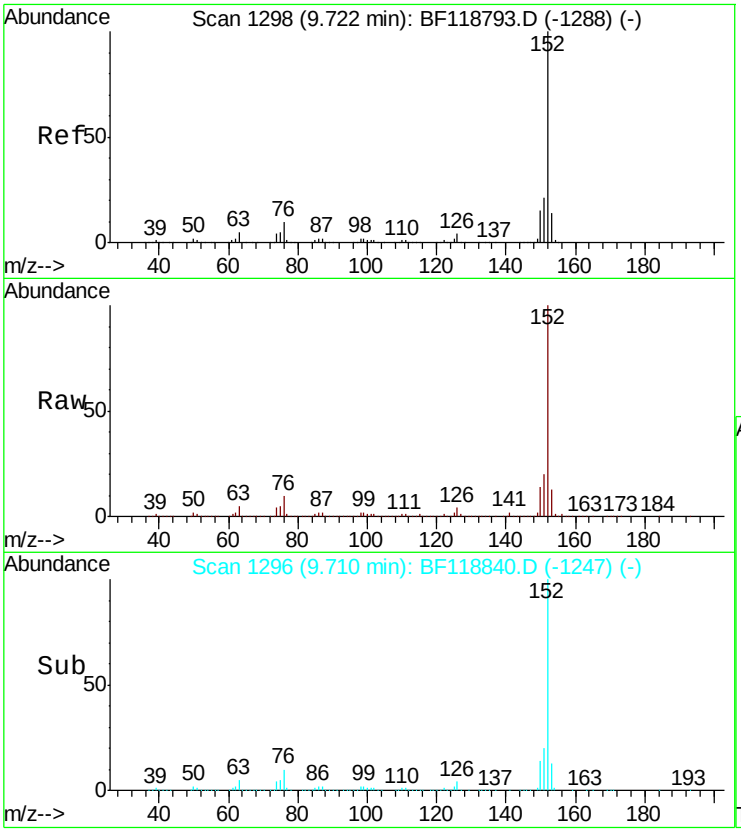


#46
1,1'-Biphenyl
Concen: 2.810 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:154 Resp: 100676

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	11.2	0.0	32.7



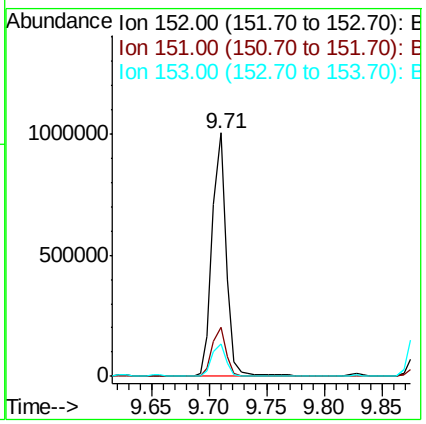


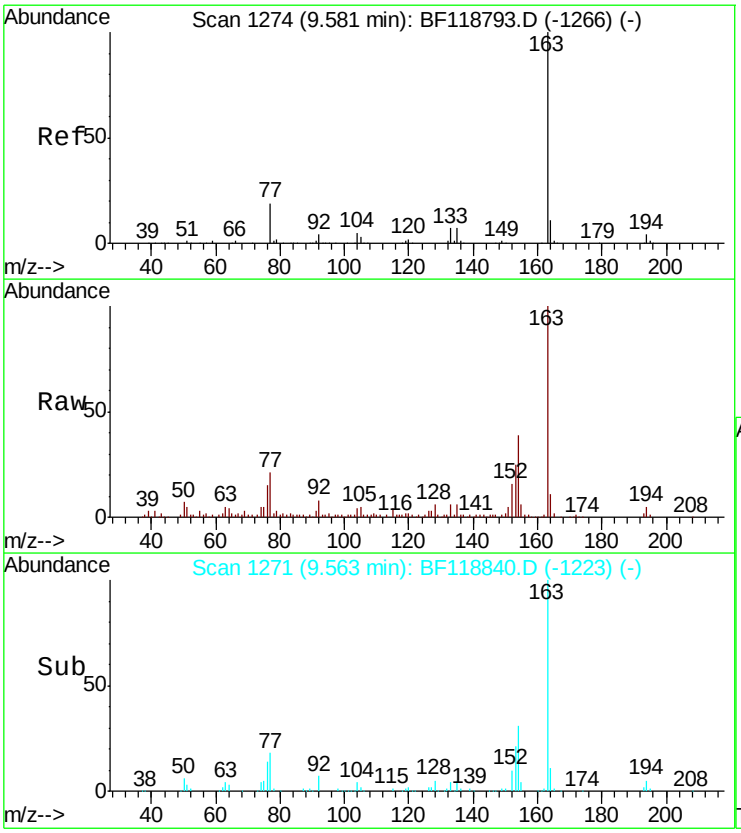
#49
Acenaphthylene
Concen: 19.881 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 854834

Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.1	25.7
153	13.3	11.0	16.4

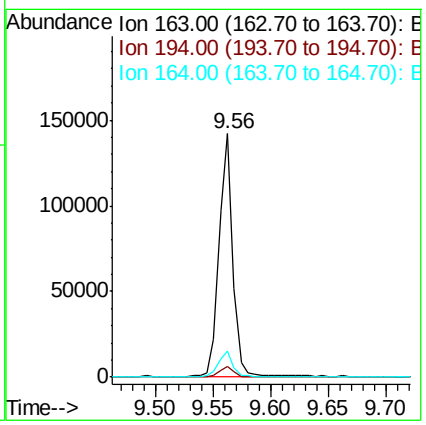


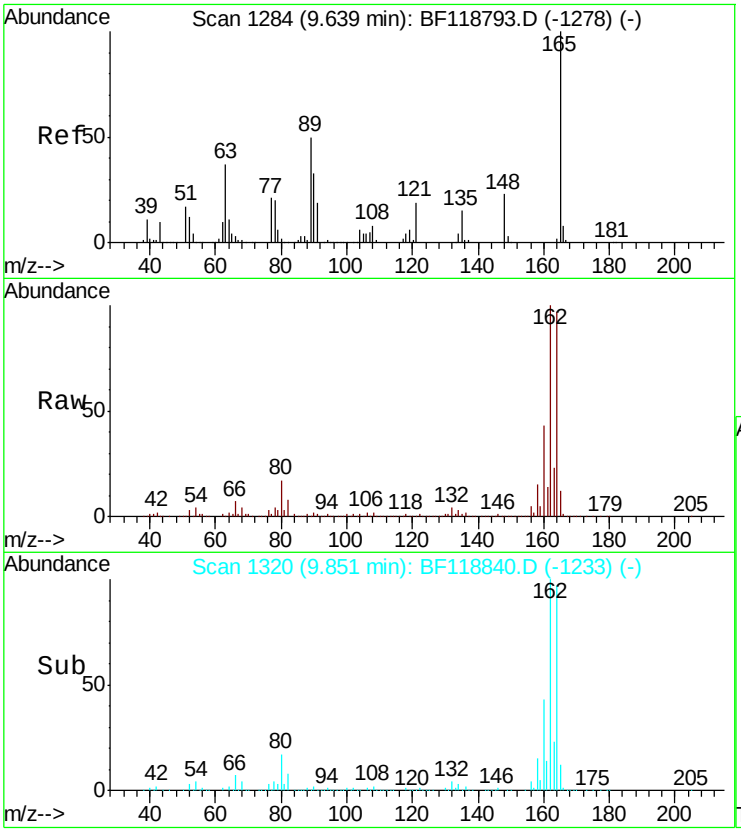


#50
Dimethylphthalate
Concen: 3.318 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:163 Resp: 116984

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	10.6	8.7	13.1



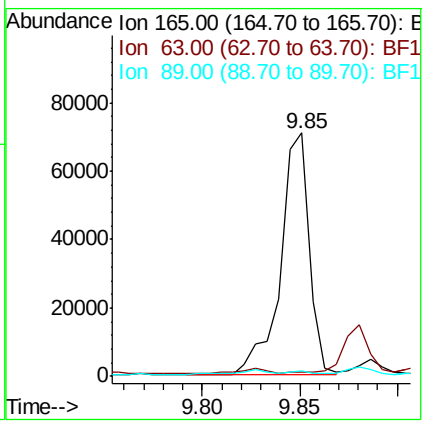


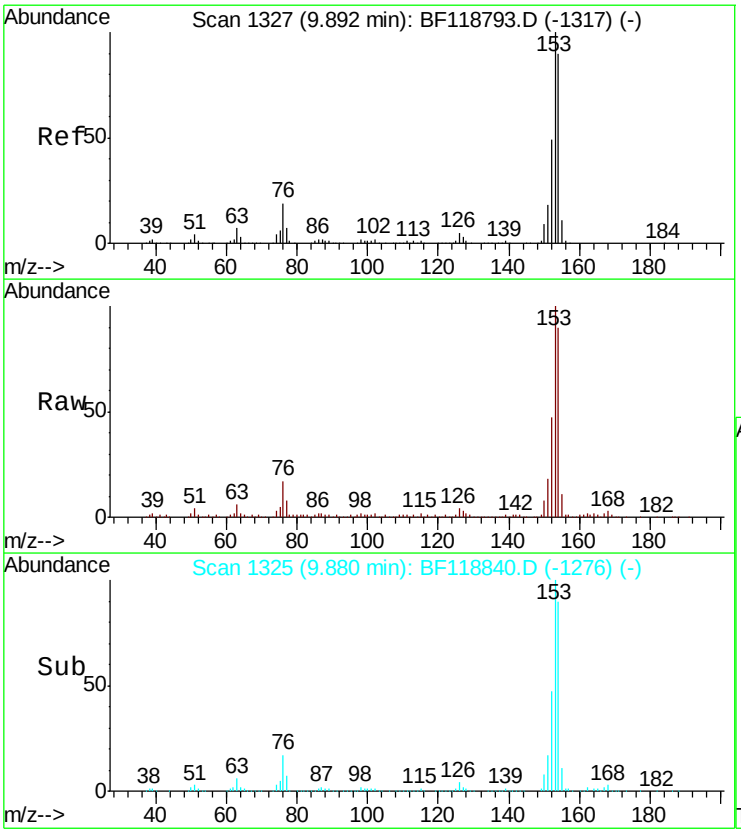
#51
2,6-Dinitrotoluene
Concen: 9.042 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 72948

Ion	Ratio	Lower	Upper
165	100		
63	2.0	37.4	56.0#
89	2.5	39.7	59.5#

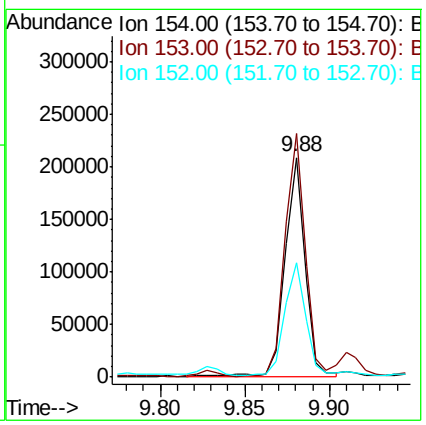


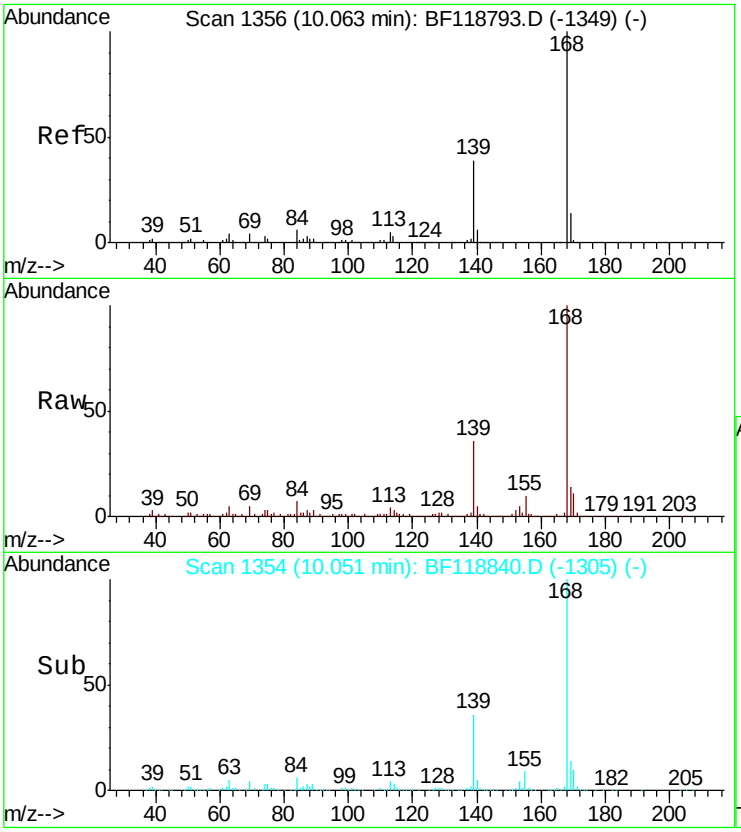


#52
Acenaphthene
Concen: 5.936 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:154 Resp: 168180

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.4	134.0
152	52.4	43.6	65.4



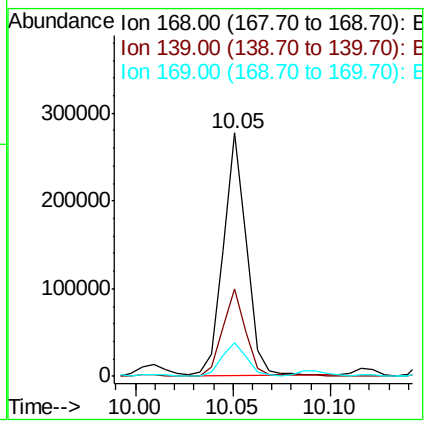


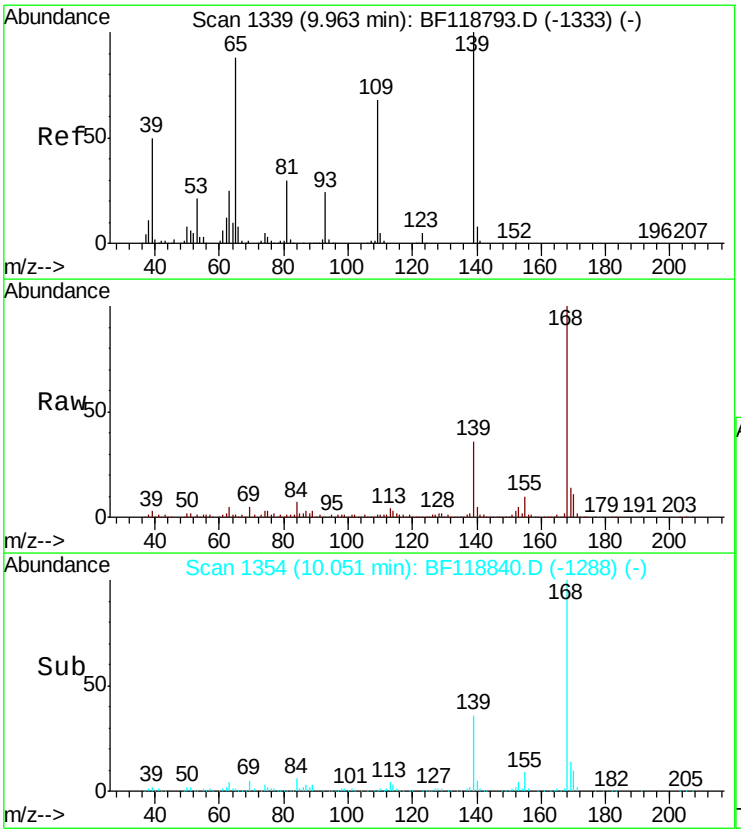
#55
Dibenzofuran
Concen: 5.545 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 227056

Ion	Ratio	Lower	Upper
168	100		
139	35.7	31.6	47.4
169	13.9	11.4	17.2

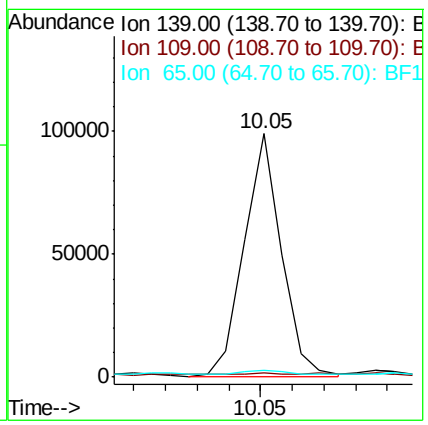


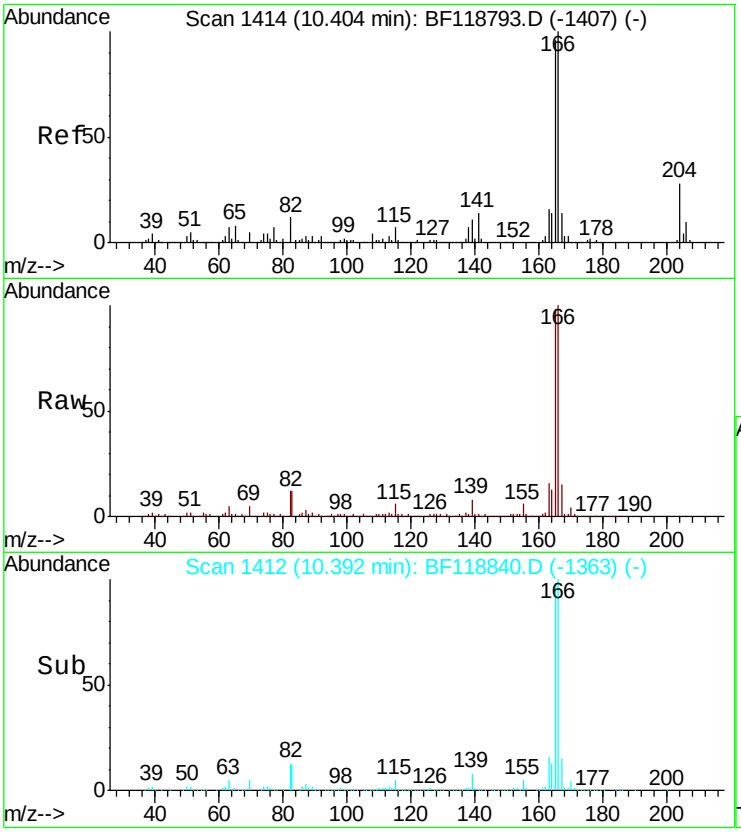


#56
4-Nitrophenol
Concen: 12.301 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.09 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:139 Resp: 79656

Ion	Ratio	Lower	Upper
139	100		
109	1.7	48.0	88.0#
65	2.7	68.3	108.3#



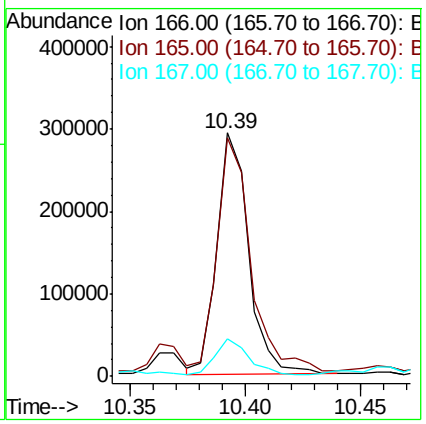


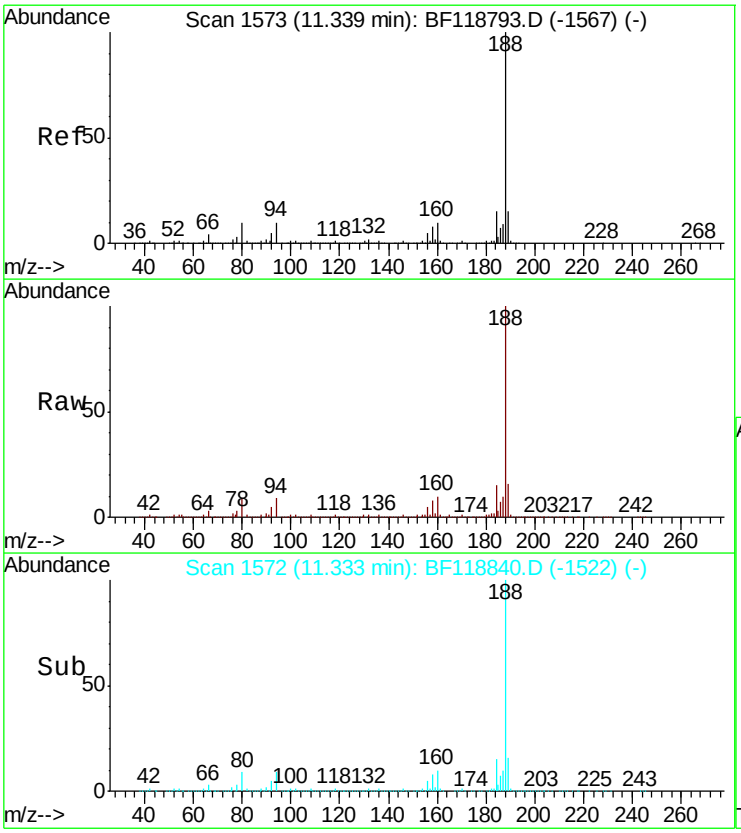
#58
Fluorene
Concen: 8.990 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 276941

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.0	115.6
167	15.4	11.1	16.7

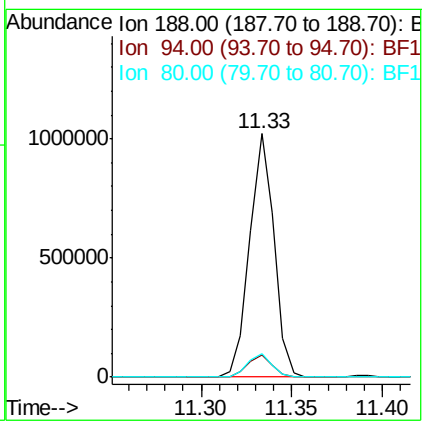


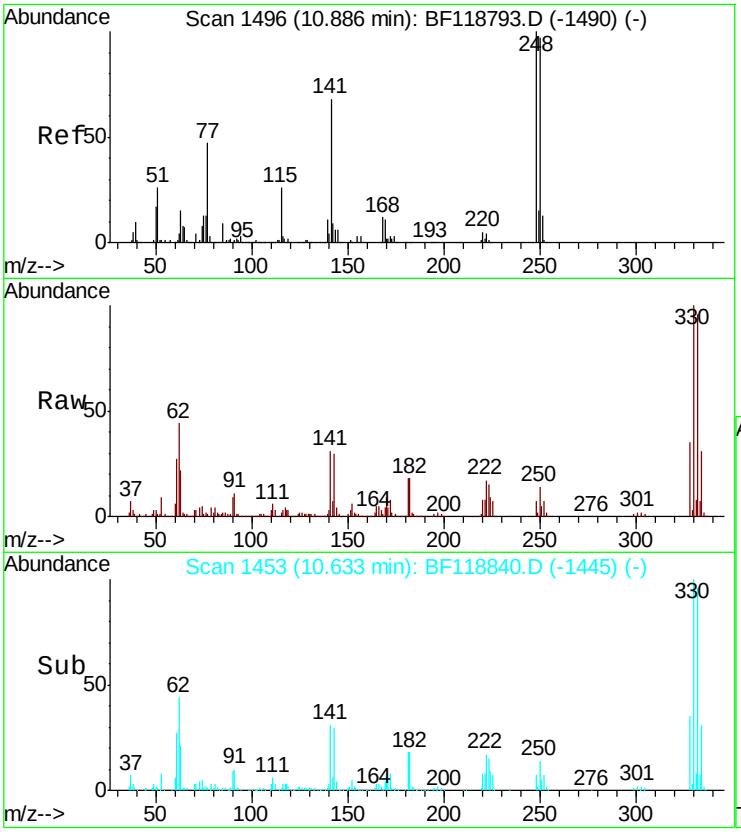


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:188 Resp: 956776

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	9.5	8.4	12.6



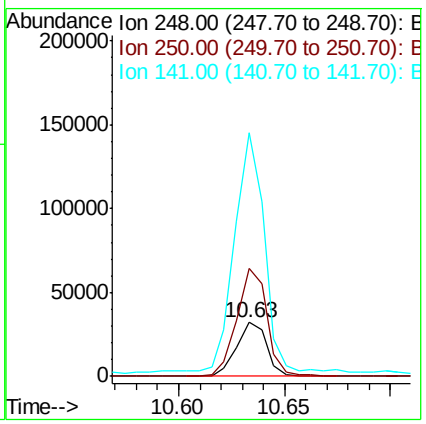


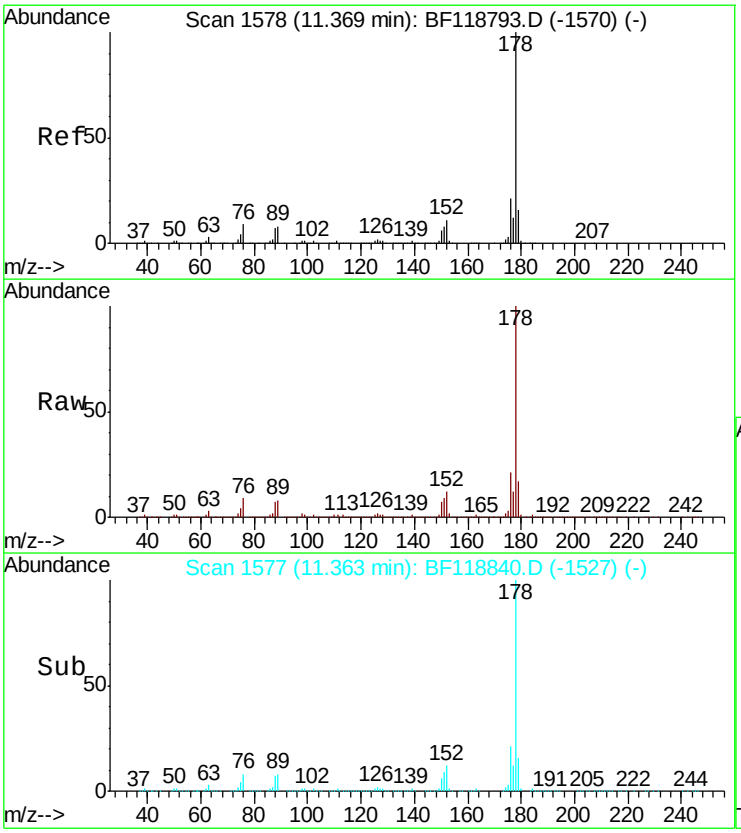
#67
4-Bromophenyl-phenylether
Concen: 2.824 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 31962

Ion	Ratio	Lower	Upper
248	100		
250	200.4	77.6	116.4#
141	452.7	54.4	81.6#

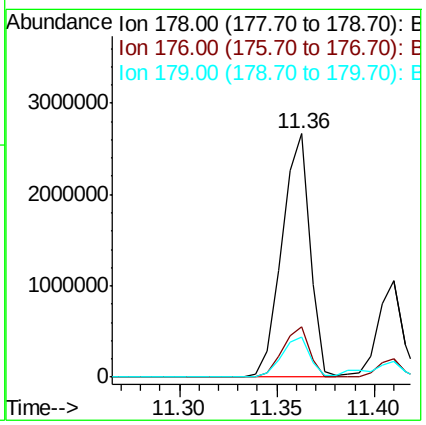


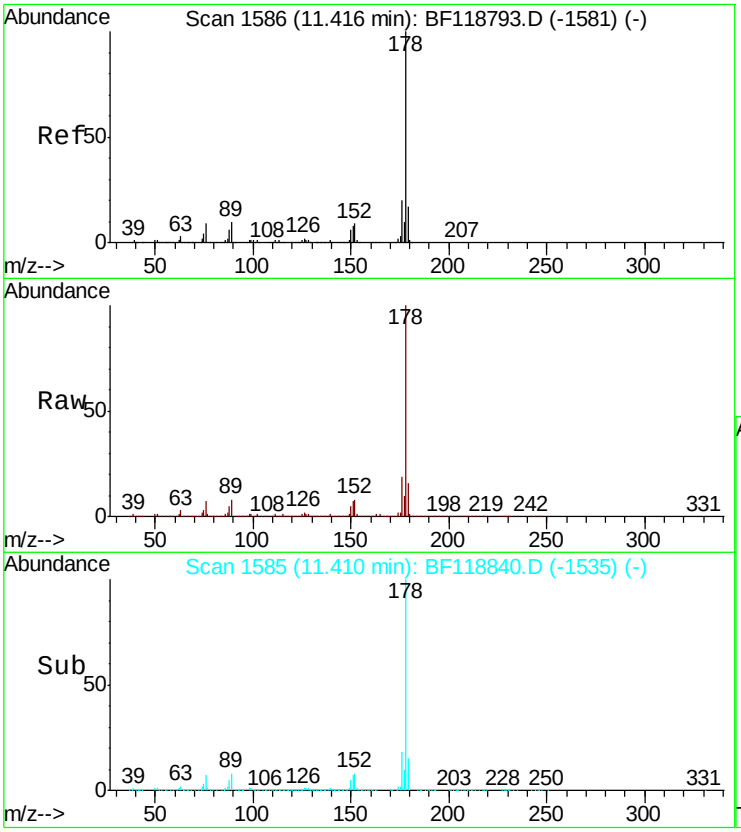


#71
Phenanthrene
Concen: 56.326 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:178 Resp: 2651539

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.6	24.8
179	16.6	13.2	19.8



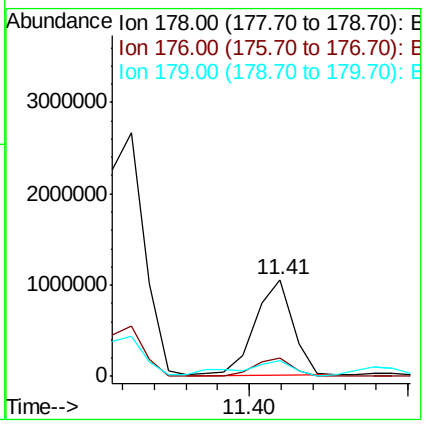


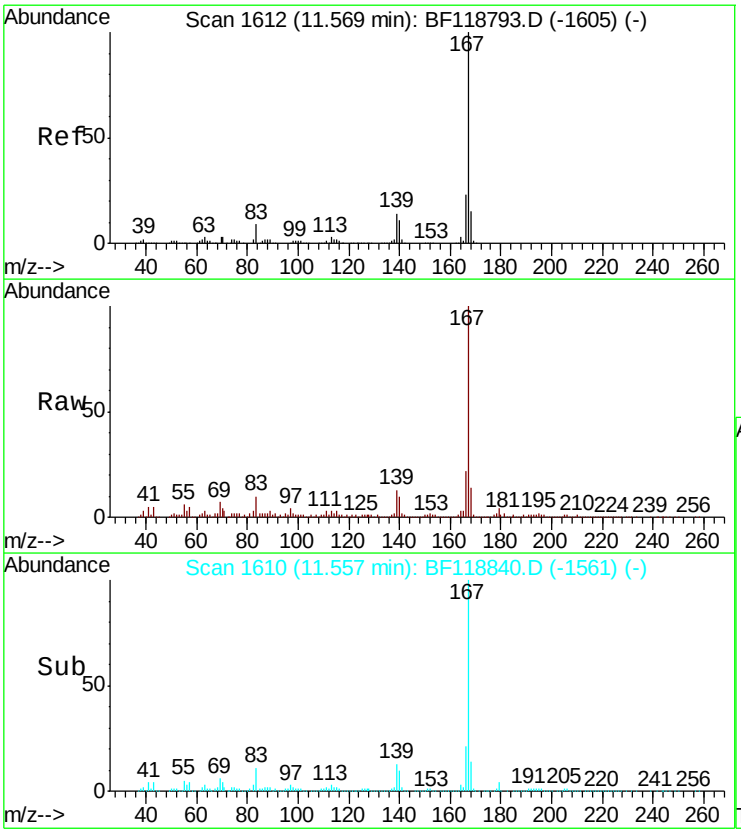
#72
Anthracene
Concen: 18.724 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 876853

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.2
179	15.7	13.4	20.2

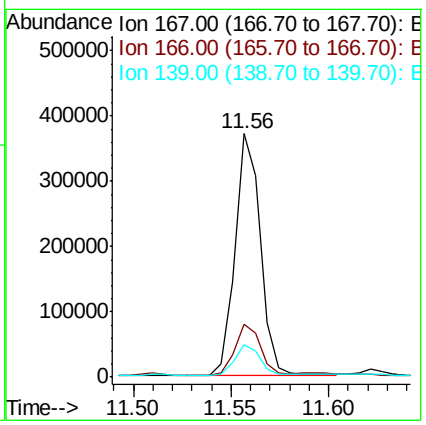


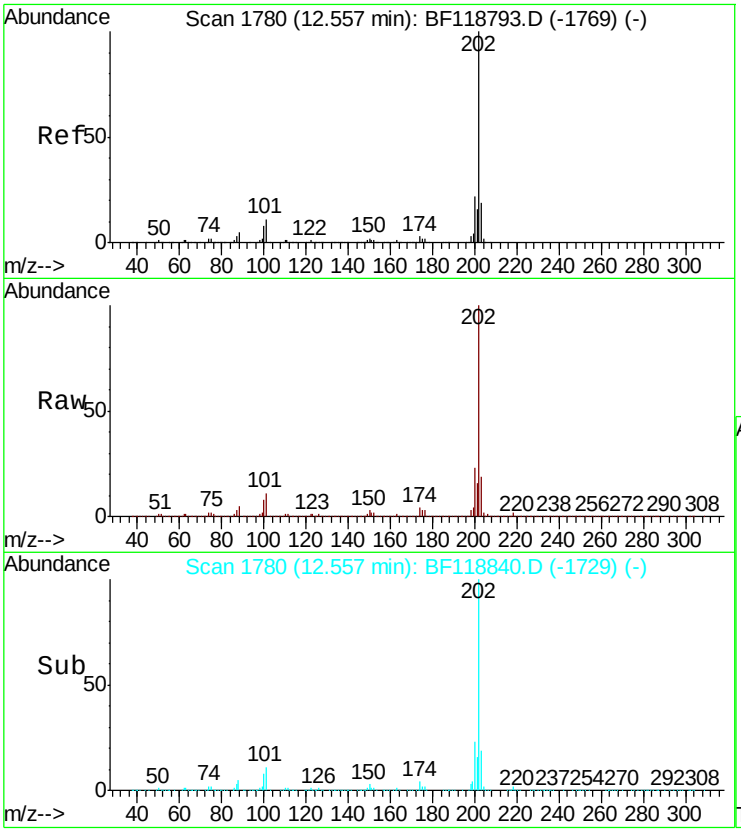


#73
Carbazole
Concen: 8.188 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:167 Resp: 336510

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.4	27.6
139	13.2	11.1	16.7



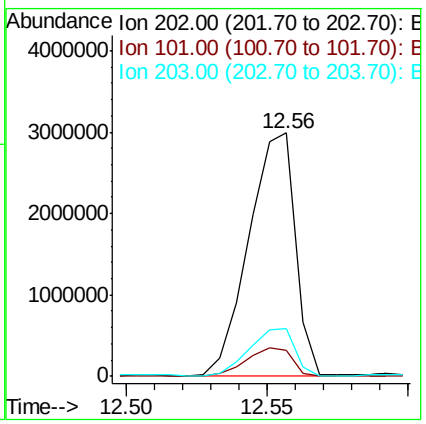


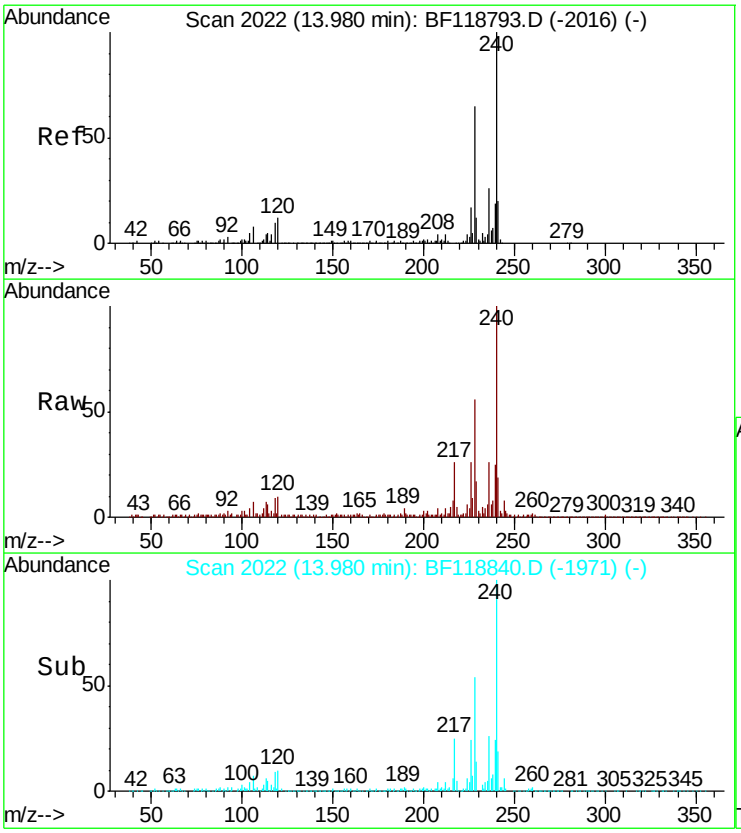
#75
Fluoranthene
Concen: 66.399 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3412745

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.0
203	19.5	0.0	38.7

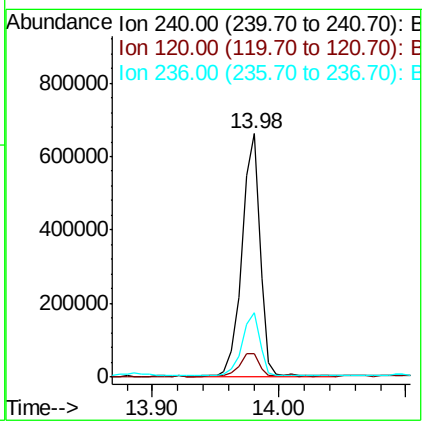


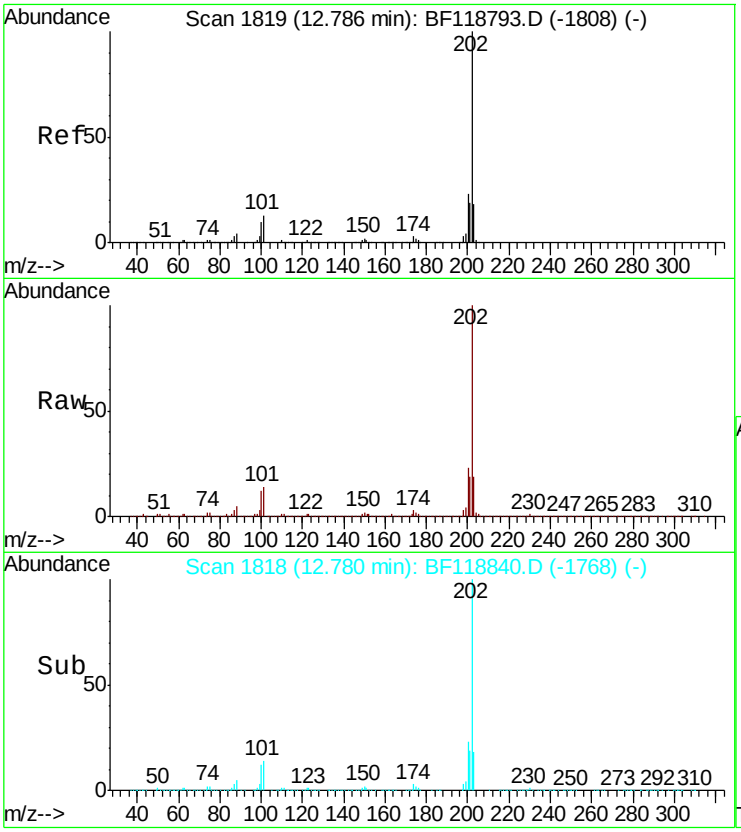


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:240 Resp: 647072

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.4	14.0
236	26.4	21.0	31.6



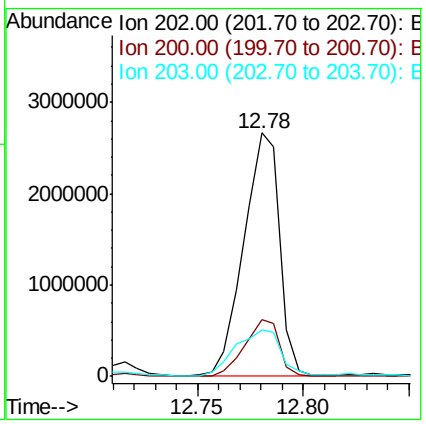


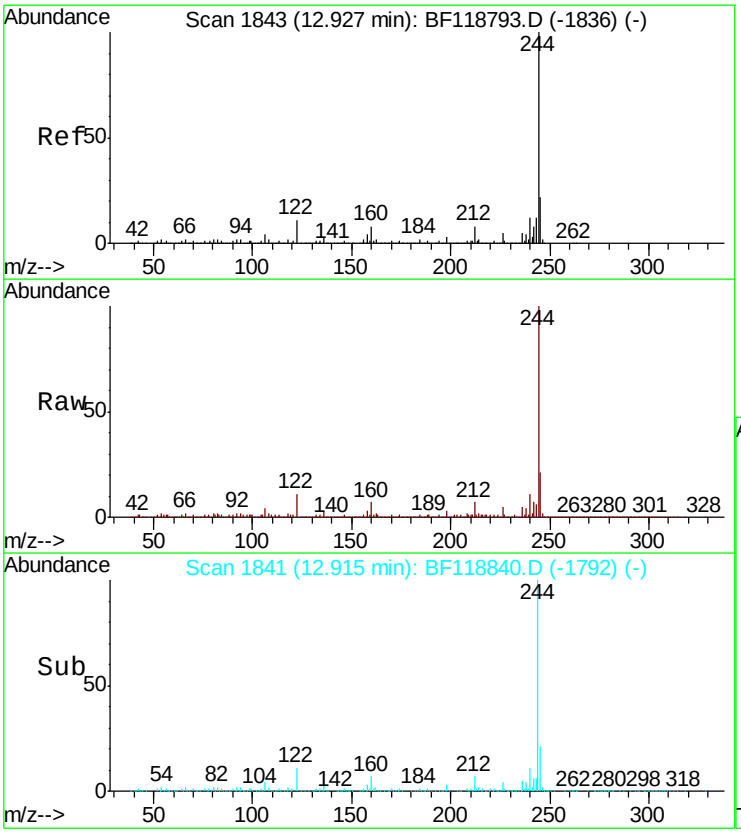
#78
Pyrene
Concen: 70.262 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3118996

Ion	Ratio	Lower	Upper
202	100		
200	23.5	18.2	27.2
203	19.3	14.8	22.2

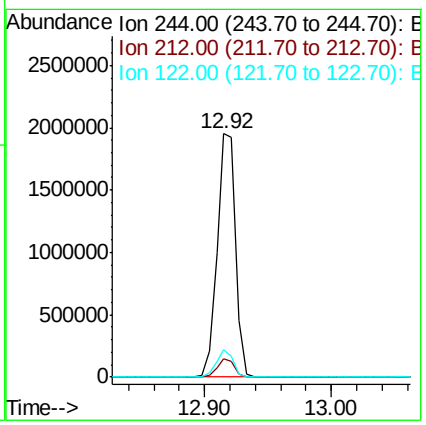


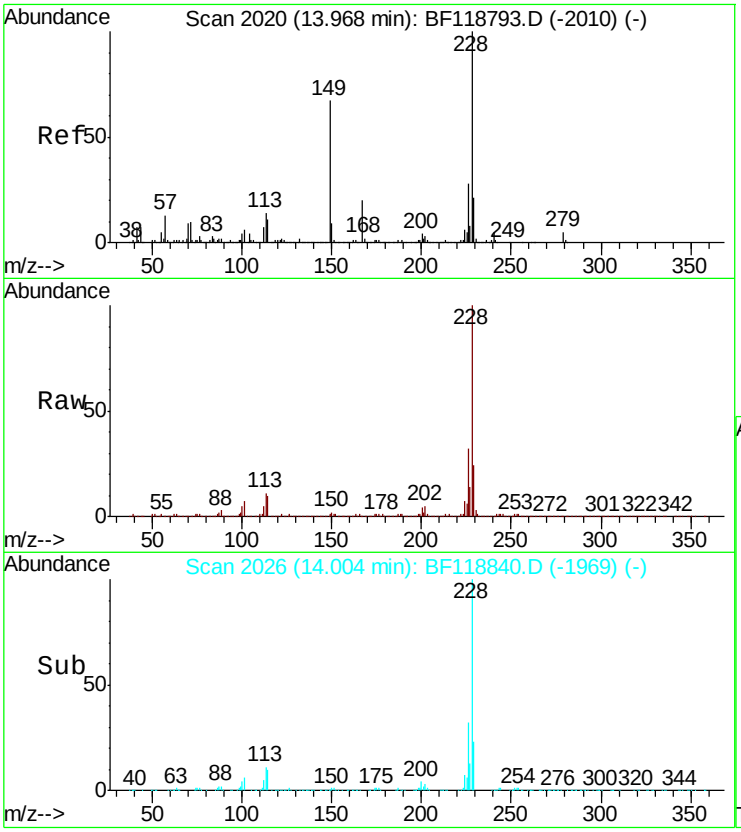


#79
Terphenyl-d14
Concen: 62.689 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:244 Resp: 1974867

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	11.2	8.9	13.3



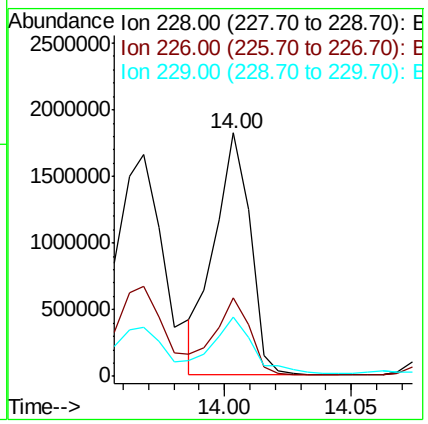


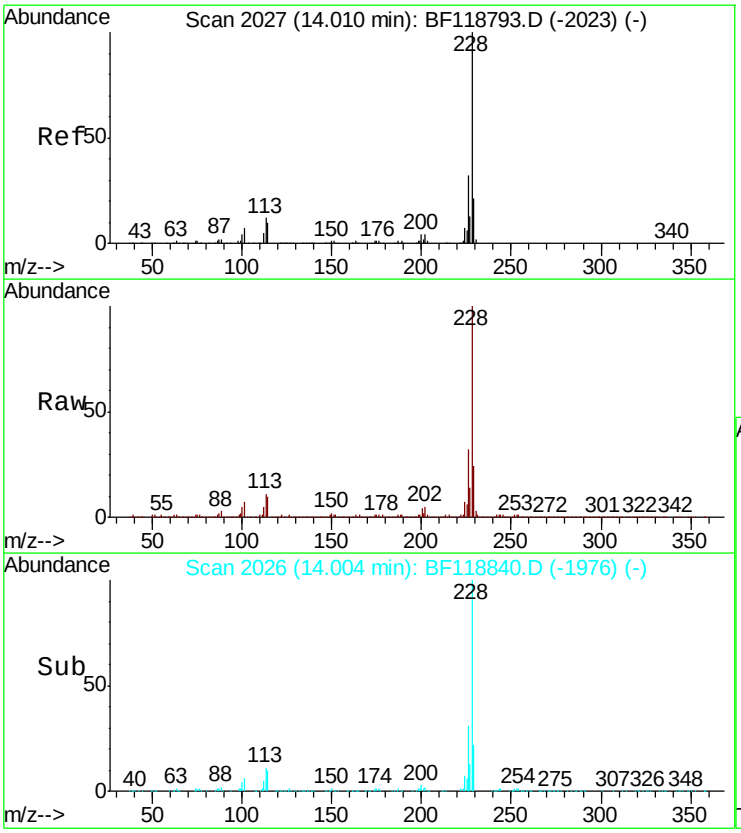
#81
Benzo(a)anthracene
Concen: 46.264 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1781396

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.7	34.1
229	24.2	16.6	25.0

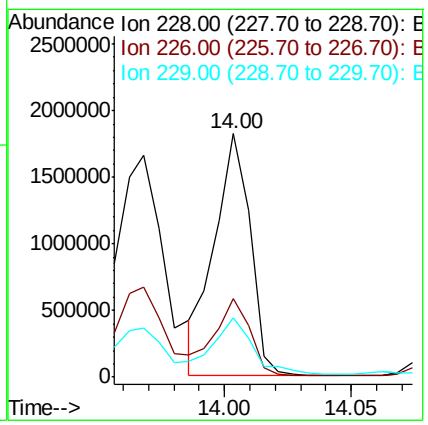


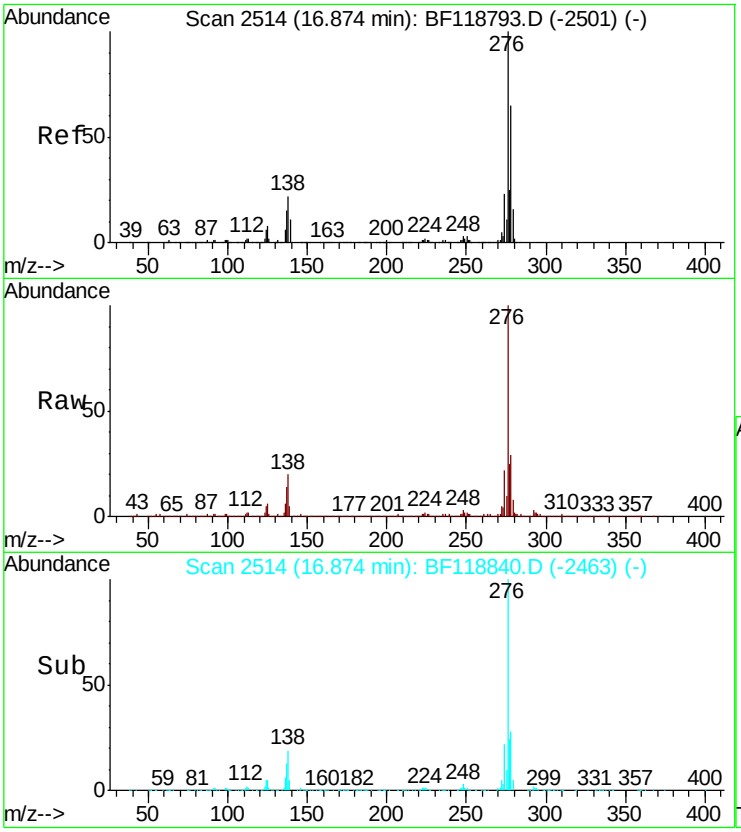


#83
Chrysene
Concen: 46.096 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:228 Resp: 1781396

Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.4	38.0
229	24.2	16.9	25.3



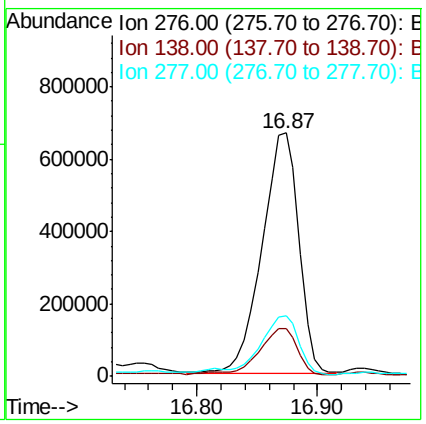


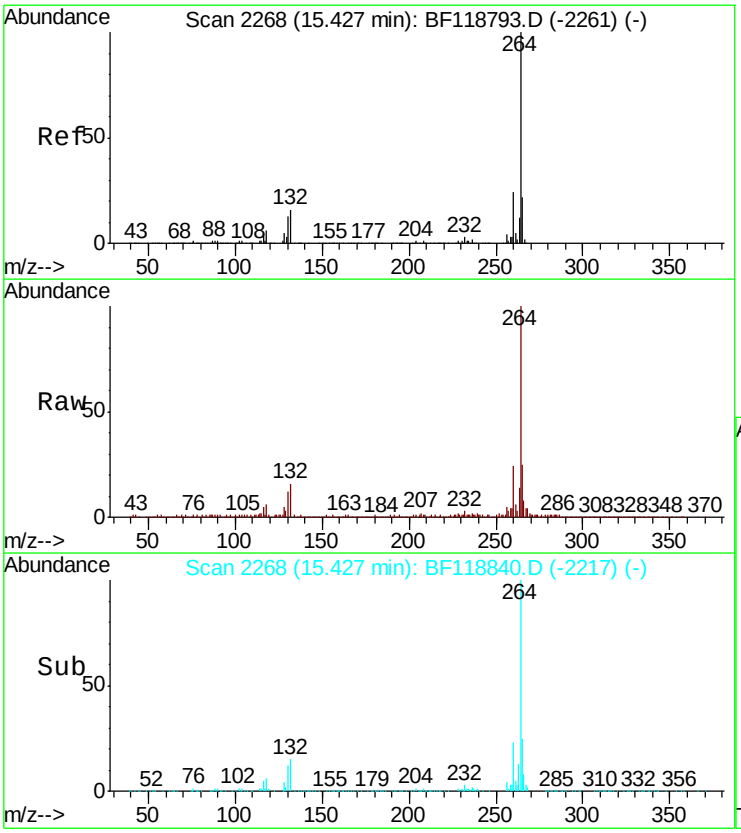
#86
Indeno(1,2,3-cd)pyrene
Concen: 36.231 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 1406758

Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.3	27.5
277	26.4	20.2	30.4

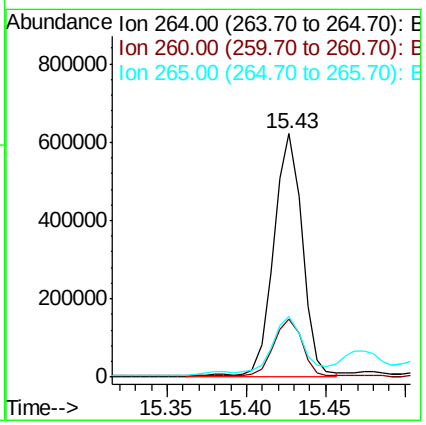


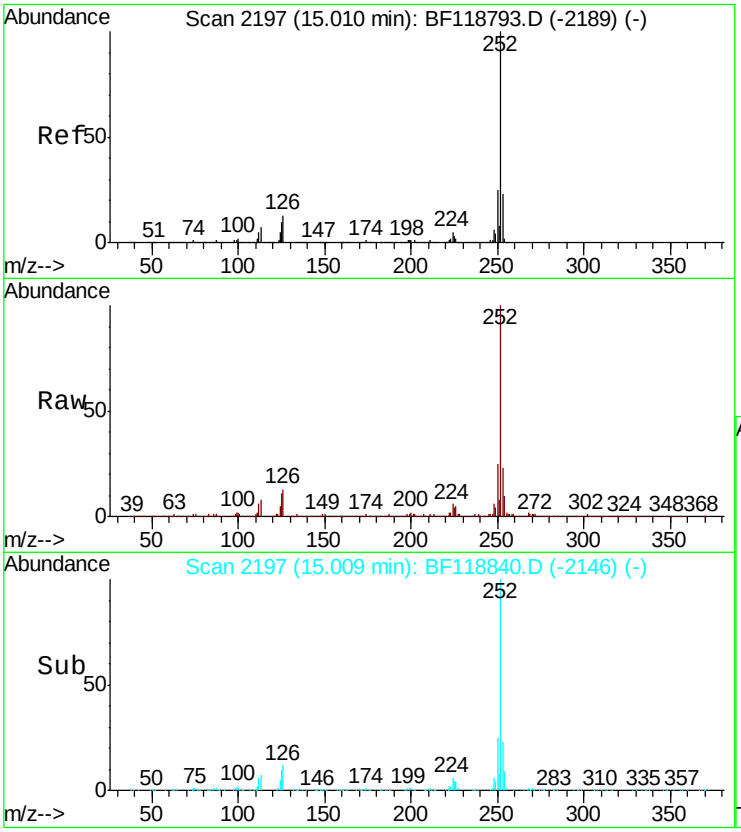


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:264 Resp: 778601

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	25.1	17.2	25.8



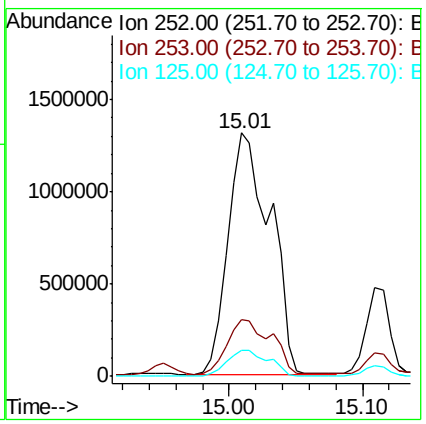


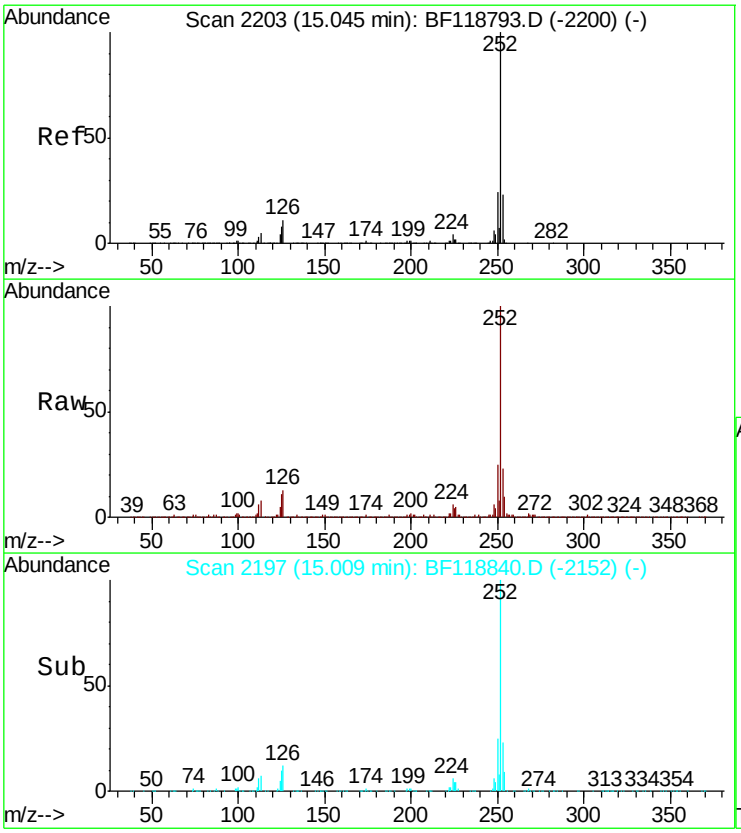
#88
Benzo(b)fluoranthene
Concen: 59.909 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 2894434

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	10.7	8.1	12.1

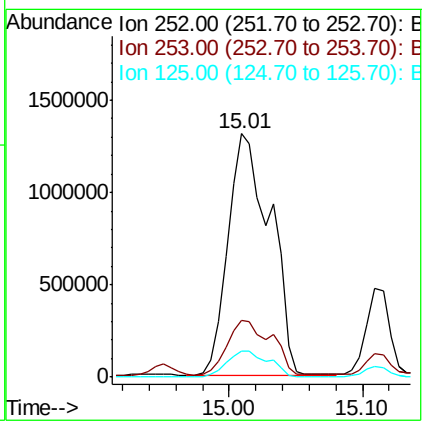


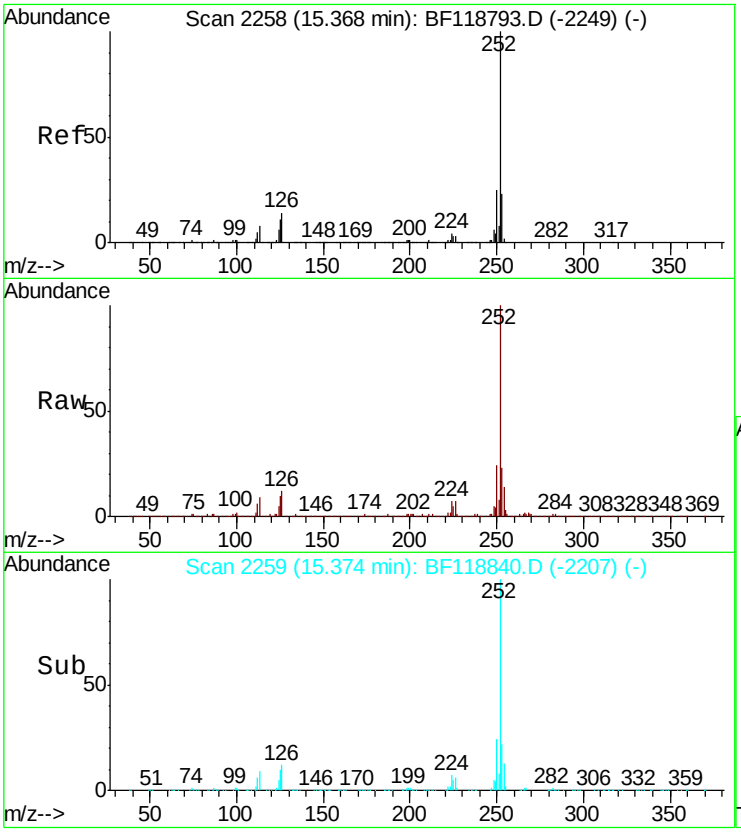


#89
Benzo(k)fluoranthene
Concen: 68.798 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:252 Resp: 2894434

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	10.7	7.0	10.6#



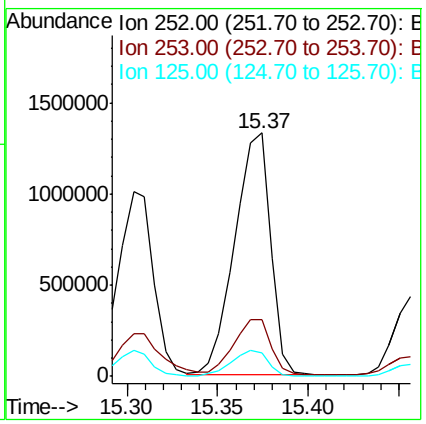


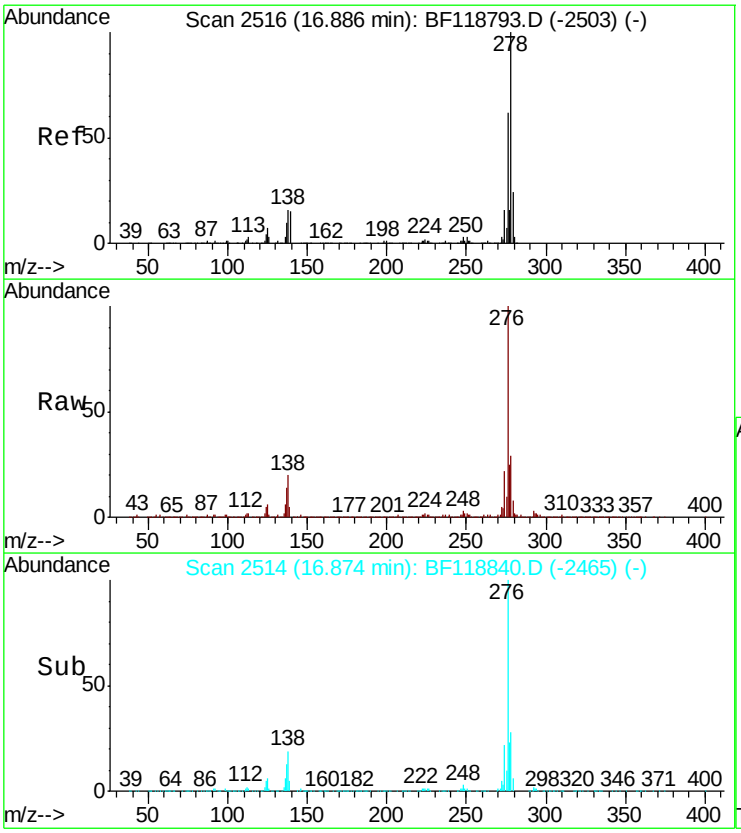
#90
Benzo(a)pyrene
Concen: 44.337 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1833205

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	9.8	8.7	13.1

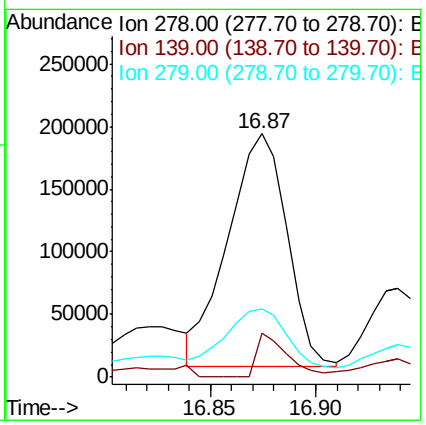


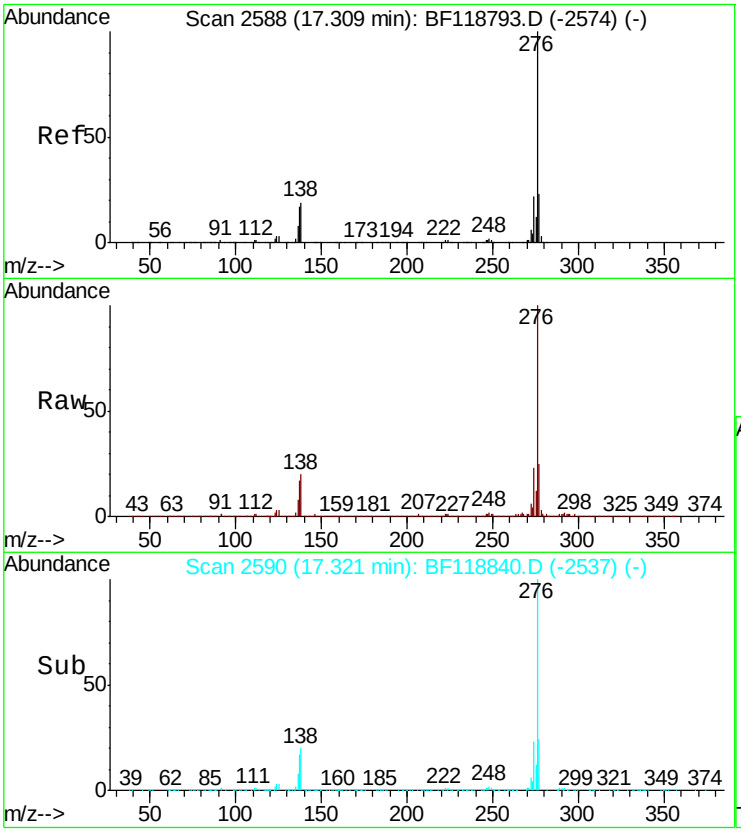


#91
Dibenzo(a,h)anthracene
Concen: 9.792 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Tgt Ion:278 Resp: 359424

Ion	Ratio	Lower	Upper
278	100		
139	18.1	12.3	18.5
279	28.2	19.1	28.7





#92
Benzo(g,h,i)perylene
Concen: 60.535 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.01 min
Lab File: BF118840.D
Acq: 6 Feb 2020 16:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 2136891

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.7	28.1
138	20.3	15.4	23.2