Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118907.D
Acq On : 12 Feb 2020 2:18
Operator : CG/JU
Sample : L1468-05DL 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP9-EP1-2.5DL

Quant Time: Feb 12 06:54:18 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	6.80	152	192407	20.00	ng		-0.01
21) Naphthalene-d8	8.09	136	767532	20.00	ng		-0.01
39) Acenaphthene-d10	9.84	164	529879	20.00	ng		-0.02
64) Phenanthrene-d10	11.33	188	791753	20.00	ng		-0.01
76) Chrysene-d12	13.97	240	627509	20.00	ng		-0.01
87) Perylene-d12	15.42	264	766572	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	21656	2.13	ng		0.00
7) Phenol-d6	6.45	99	23453	1.86	ng		0.00
23) Nitrobenzene-d5	7.36	82	14932	1.16	ng		-0.02
42) 2,4,6-Tribromophenol	10.63	330	7533	1.19	ng		-0.01
45) 2-Fluorobiphenyl	9.16	172	47140	1.59	ng		-0.02
79) Terphenyl-d14	12.91	244	49633	1.62	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	6.36	77	288	Below Cal		#	1
31) Naphthalene	8.12	128	2268198	64.614	ng		100
33) 4-Chloroaniline	8.12	127	316601	20.159	ng	#	36
35) Caprolactam	8.80	113	8371	2.316	ng	#	1
37) 2-Methylnaphthalene	8.80	142	421851	17.327	ng		98
38) 1-Methylnaphthalene	8.90	142	237294	10.361	ng		100
46) 1,1'-Biphenyl	9.26	154	131502	3.588	ng		97
49) Acenaphthylene	9.70	152	260827	5.928	ng		98
51) 2,6-Dinitrotoluene	9.84	165	79574	9.639	ng	#	31
52) Acenaphthene	9.87	154	275678	9.509	ng		98
55) Dibenzofuran	10.05	168	444131	10.600	ng		96
56) 4-Nitrophenol	10.05	139	156018	23.546	ng	#	11
58) Fluorene	10.39	166	575026	18.242	ng		100
71) Phenanthrene	11.36	178	1977876	50.773	ng		99
72) Anthracene	11.40	178	690857	17.827	ng		97
73) Carbazole	11.56	167	259869	7.641	ng		95
75) Fluoranthene	12.54	202	1386923	32.609	ng		99
78) Pyrene	12.77	202	1164615	27.053	ng		98
81) Benzo(a)anthracene	13.99	228	490026	13.123	ng		96
83) Chrysene	13.99	228	490026	13.075	ng		97
86) Indeno(1,2,3-cd)pyrene	16.85	276	157863	4.192	ng		97
88) Benzo(b)fluoranthene	15.00	252	883921	18.583	ng		99
89) Benzo(k)fluoranthene	15.00	252	883921	21.340	ng	#	98
90) Benzo(a)pyrene	15.36	252	537787	13.211	ng		99
92) Benzo(g,h,i)perylene	17.29	276	136509	3.928	ng		99

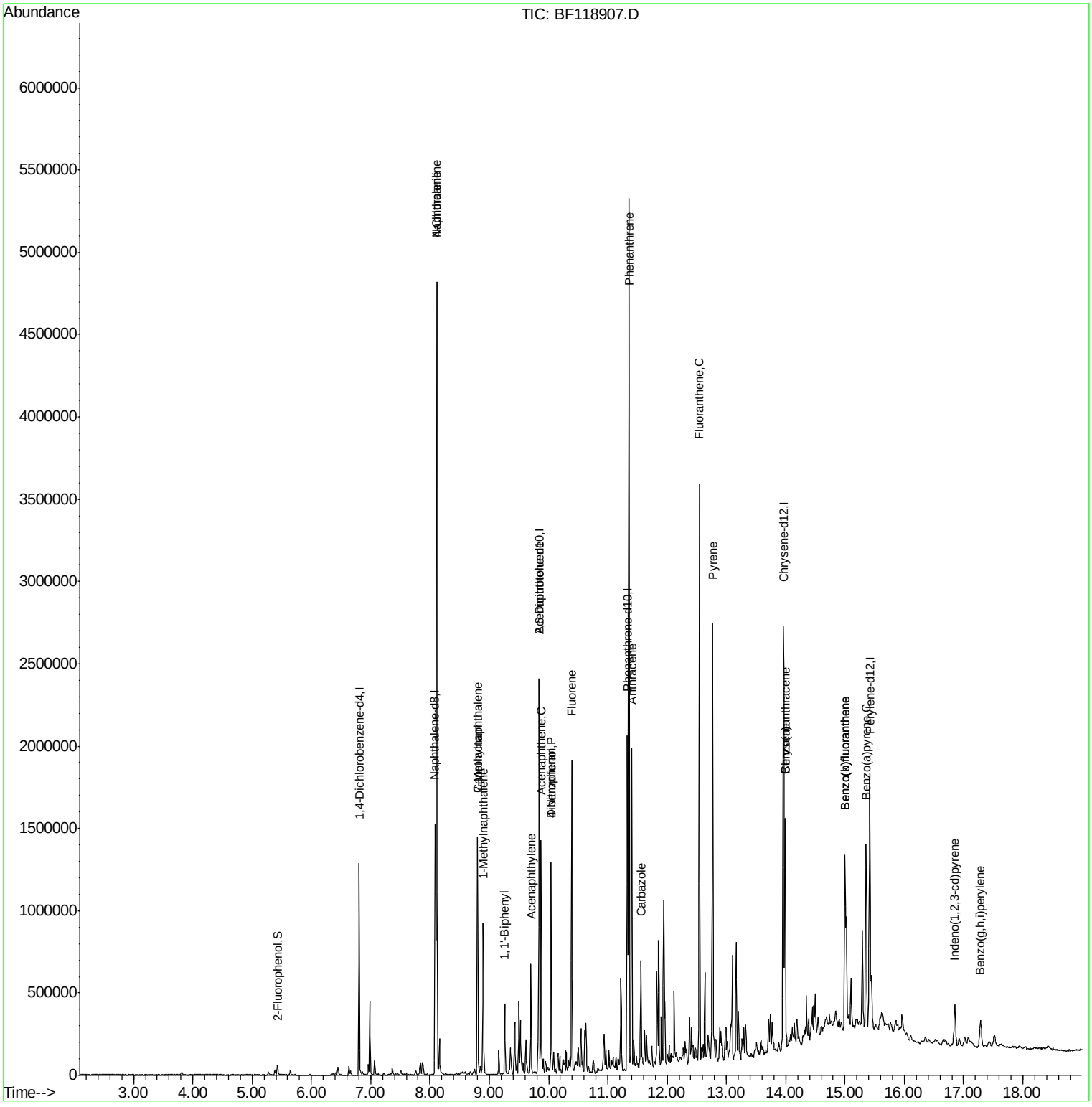
(#) = qualifier out of range (m) = manual integration (+) = signals summed

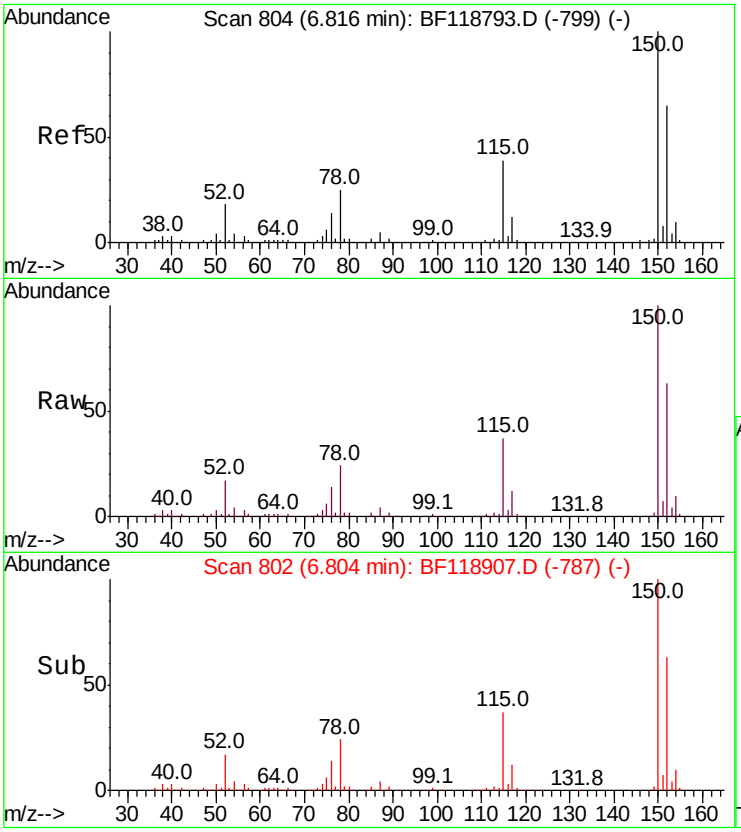
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118907.D
Acq On : 12 Feb 2020 2:18
Operator : CG/JU
Sample : L1468-05DL 50X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Quant Time: Feb 12 06:54:18 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



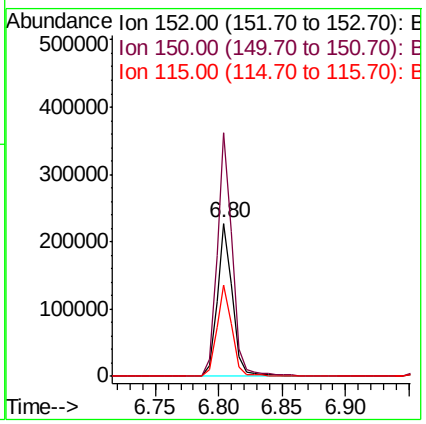


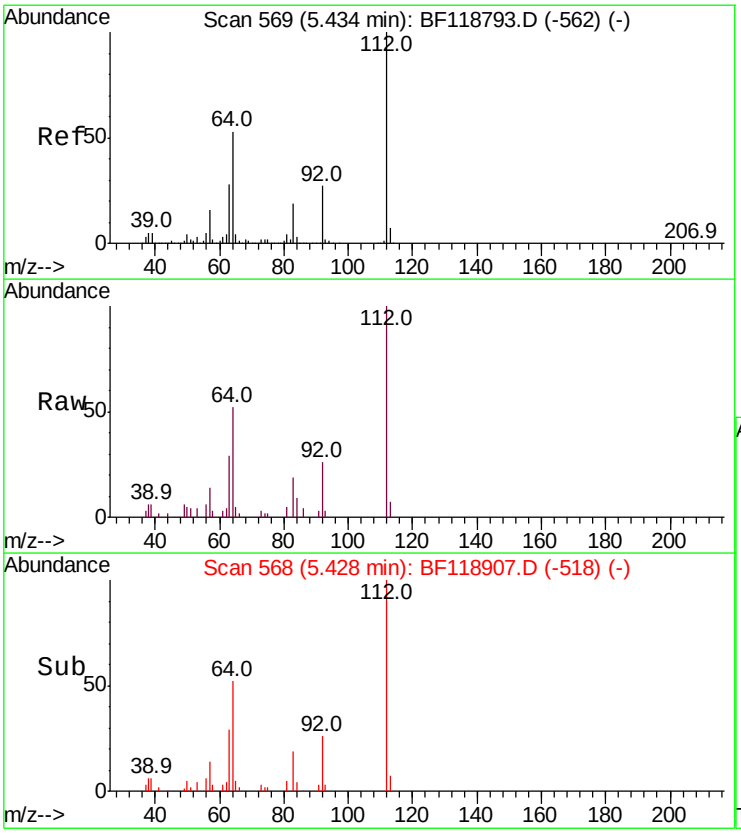
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:152 Resp: 192407

Ion	Ratio	Lower	Upper
152	100		
150	159.0	123.6	185.4
115	59.3	48.2	72.2

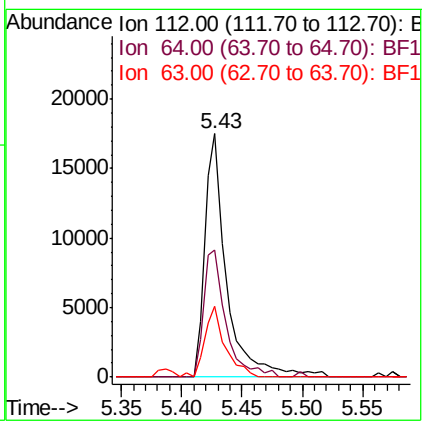


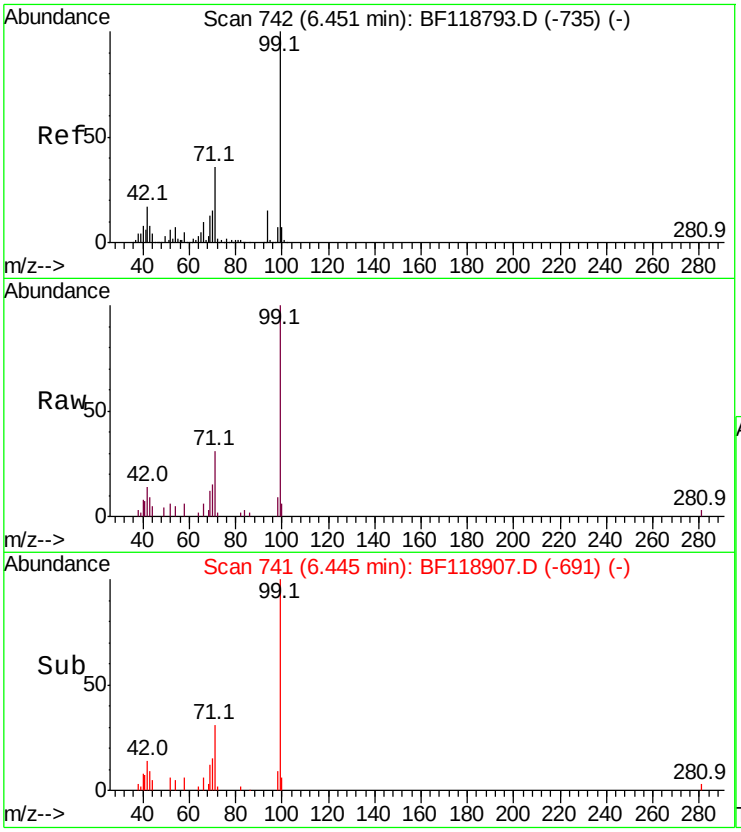


#5
2-Fluorophenol
Concen: 2.131 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:112 Resp: 21656

Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	29.0	22.2	33.4



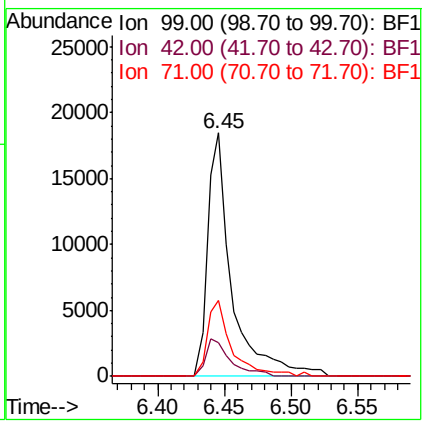


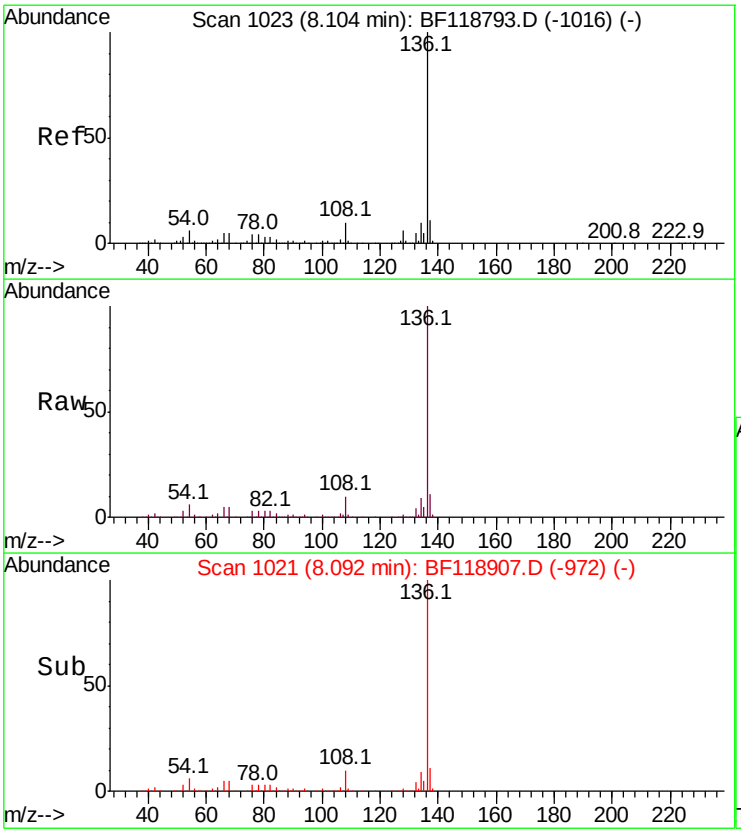
#7
Phenol-d6
Concen: 1.859 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion: 99 Resp: 23453

Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.4	20.0
71	31.3	29.0	43.6

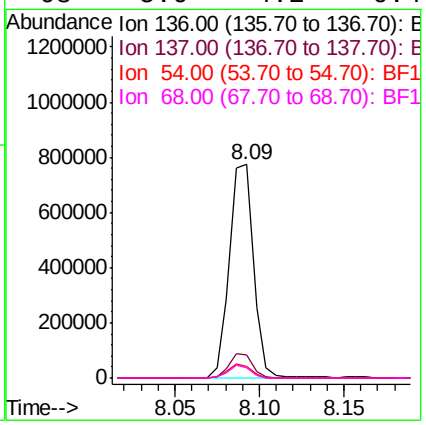


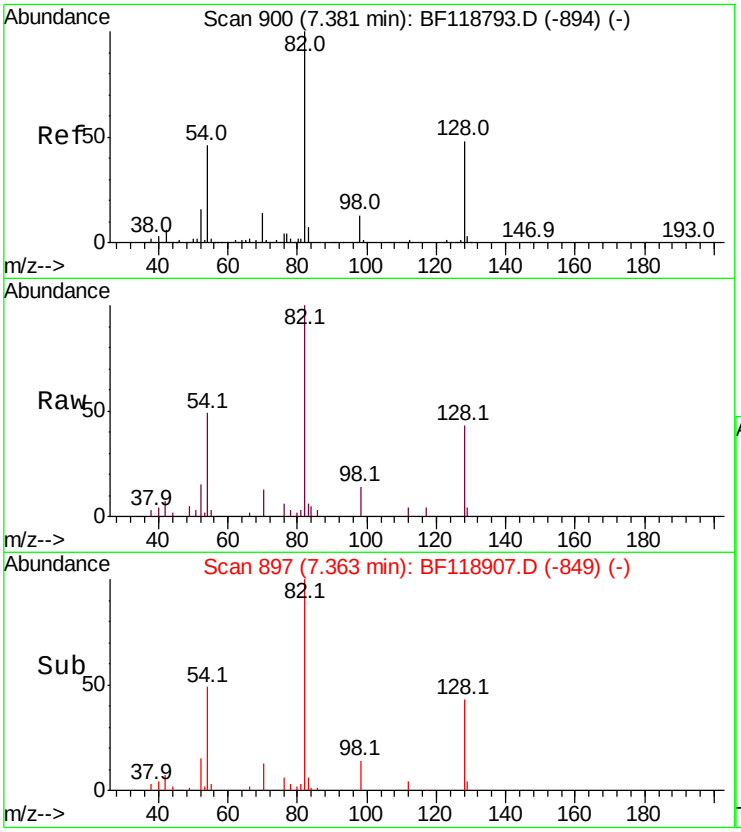


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:136 Resp: 767532

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	5.7	5.0	7.6
68	5.0	4.2	6.4



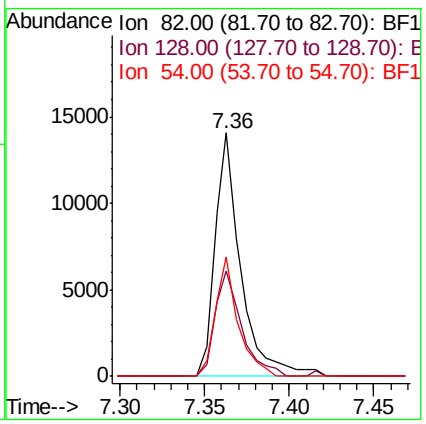


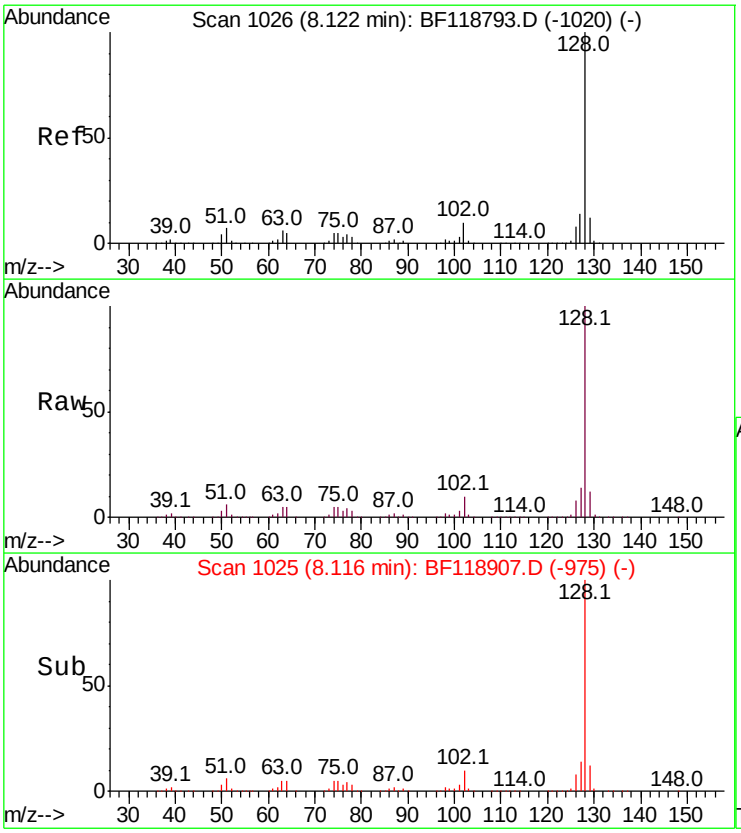
#23
Nitrobenzene-d5
Concen: 1.160 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion: 82 Resp: 14932

Ion	Ratio	Lower	Upper
82	100		
128	43.4	38.5	57.7
54	48.8	36.7	55.1

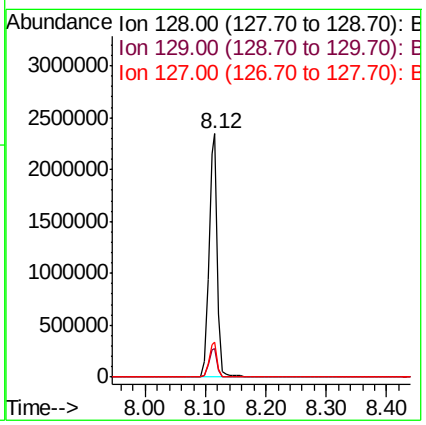


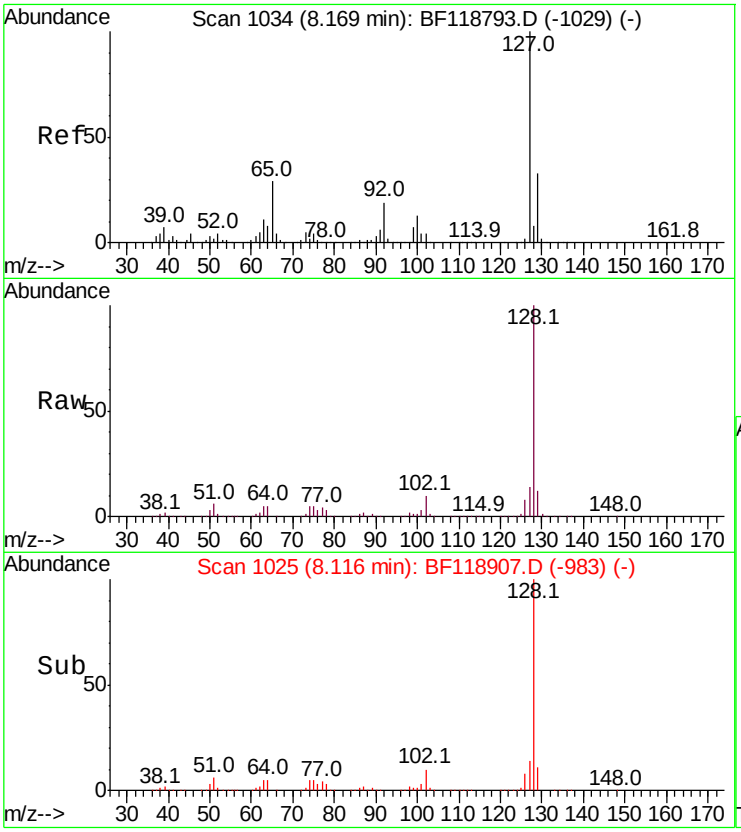


#31
Naphthalene
Concen: 64.614 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:128 Resp: 2268198

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	14.3	11.3	16.9



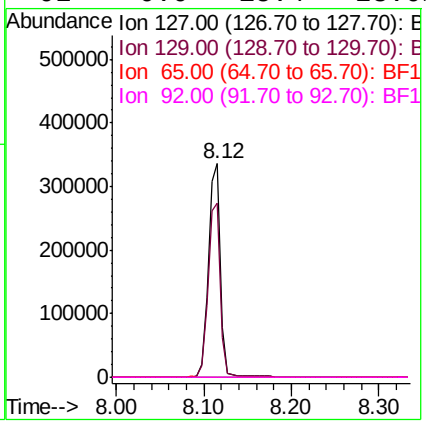


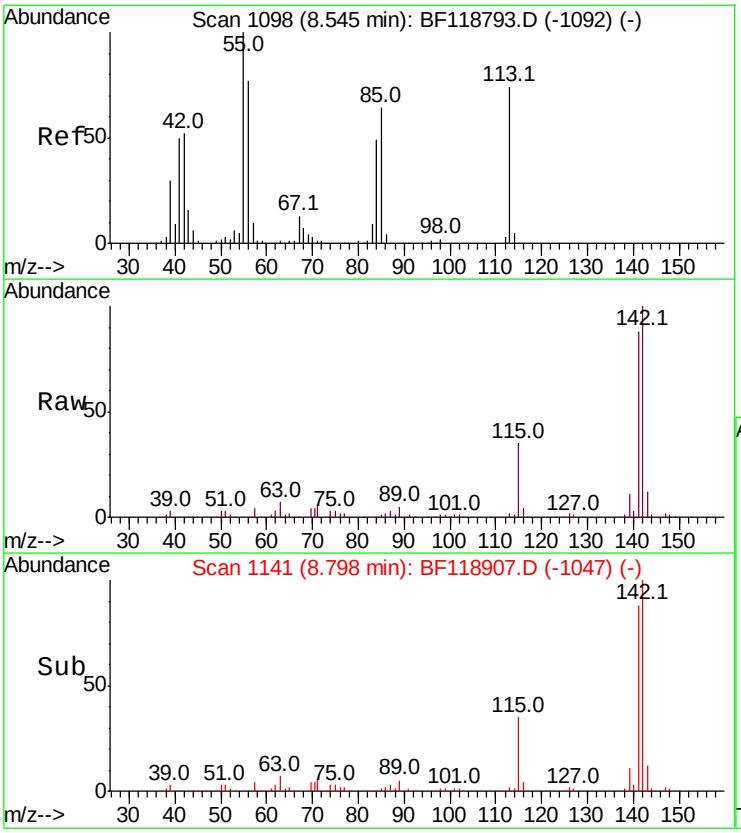
#33
4-Chloroaniline
Concen: 20.159 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:127 Resp: 316601

Ion	Ratio	Lower	Upper
127	100		
129	81.7	26.7	40.1#
65	0.0	22.9	34.3#
92	0.0	15.4	23.0#

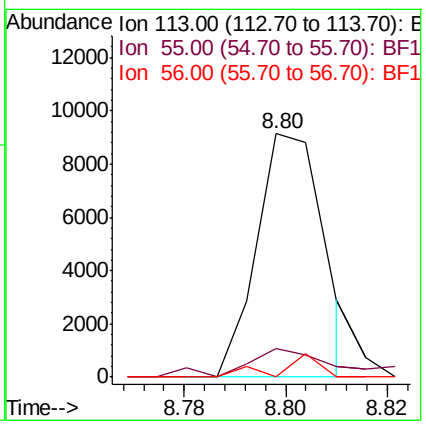


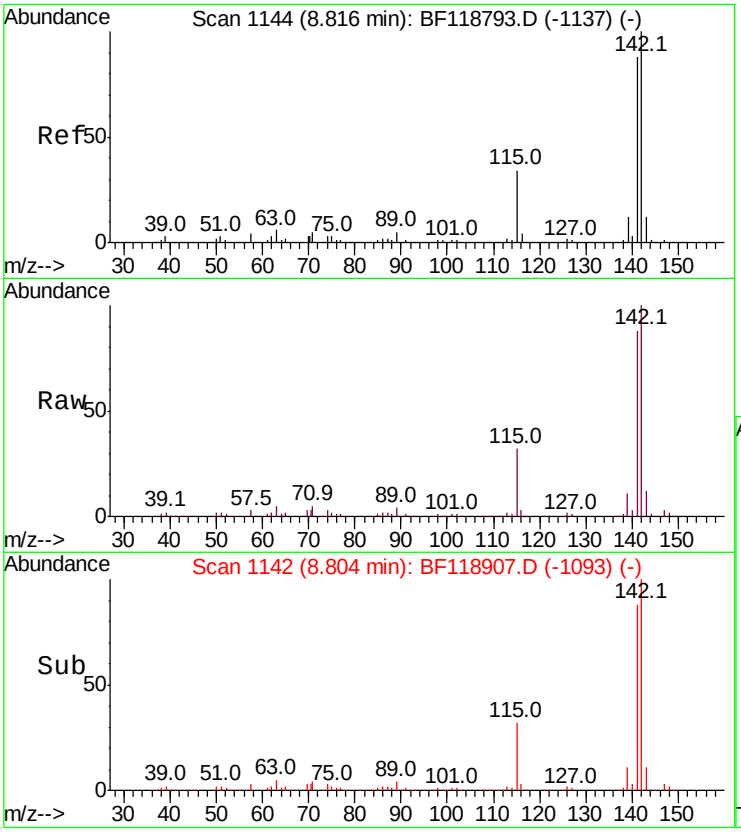


#35
Caprolactam
Concen: 2.316 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.25 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:113 Resp: 8371

Ion	Ratio	Lower	Upper
113	100		
55	11.8	115.5	155.5#
56	0.0	83.7	123.7#

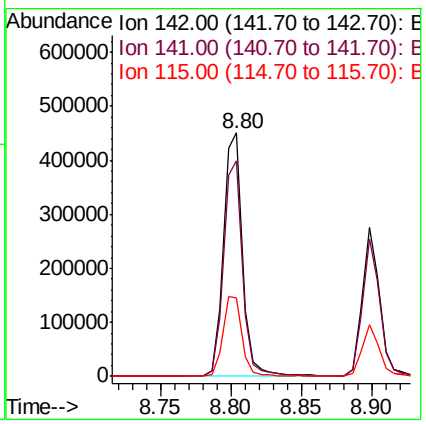




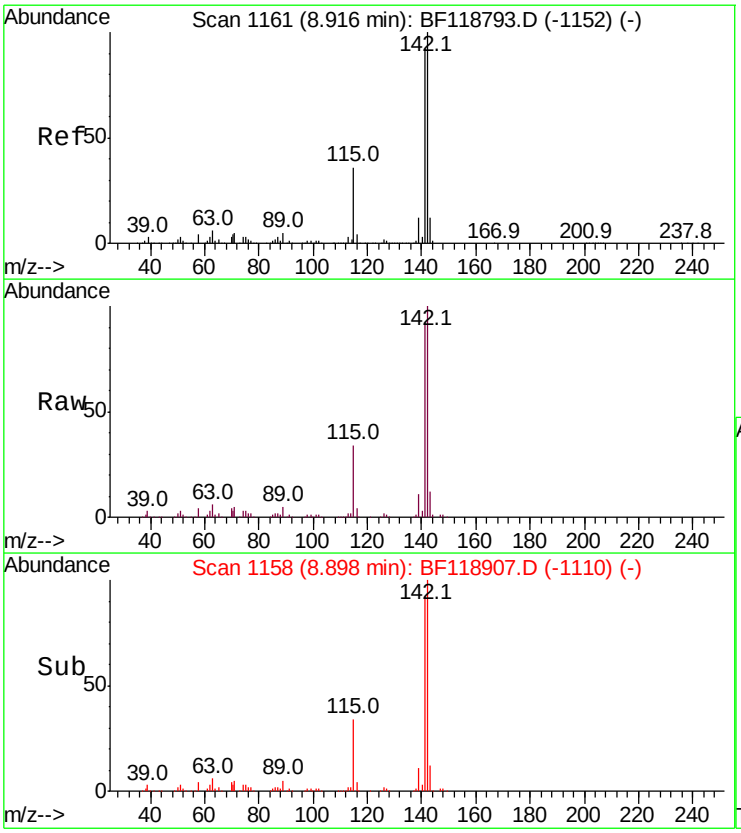
#37
2-Methylnaphthalene
Concen: 17.327 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:142 Resp: 421851

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.1	105.1
115	32.2	27.3	40.9



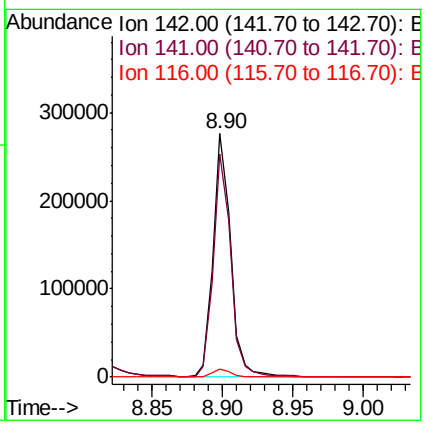
Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

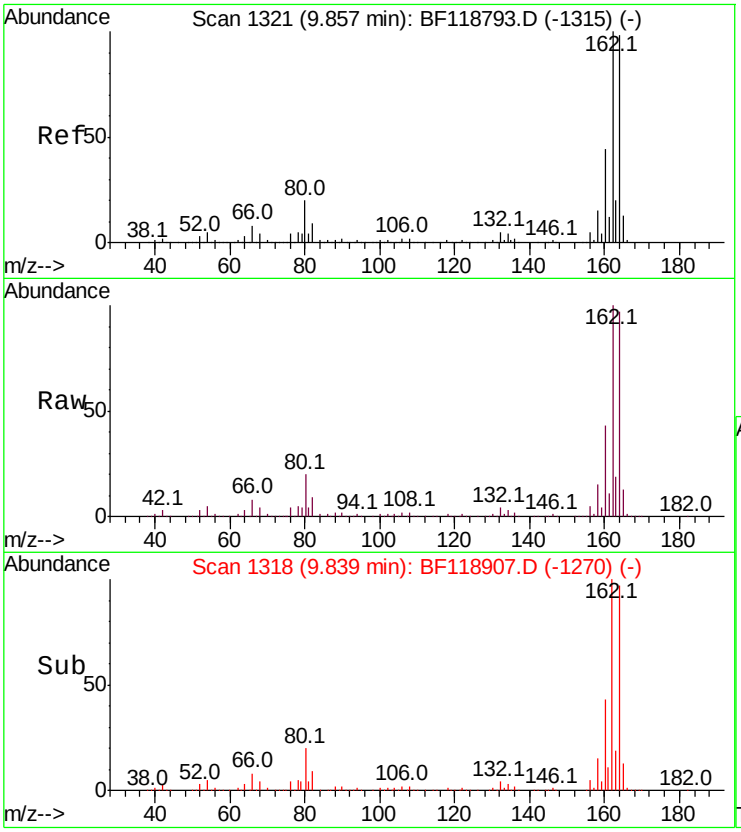


#38
1-Methylnaphthalene
Concen: 10.361 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:142 Resp: 237294

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.8	110.6
116	3.6	3.0	4.4



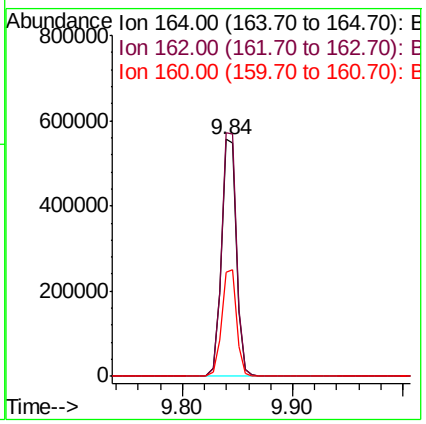


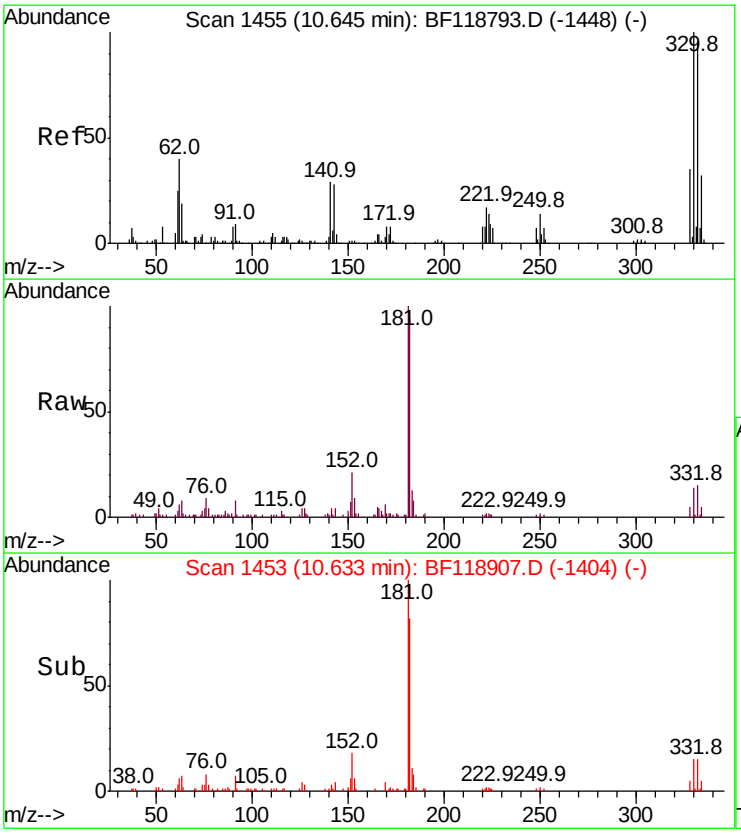
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:164 Resp: 529879

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.4	122.2
160	43.9	35.6	53.4

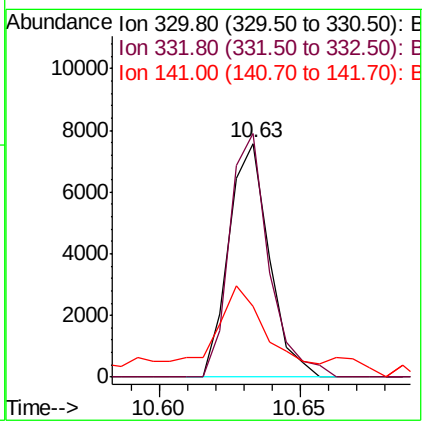


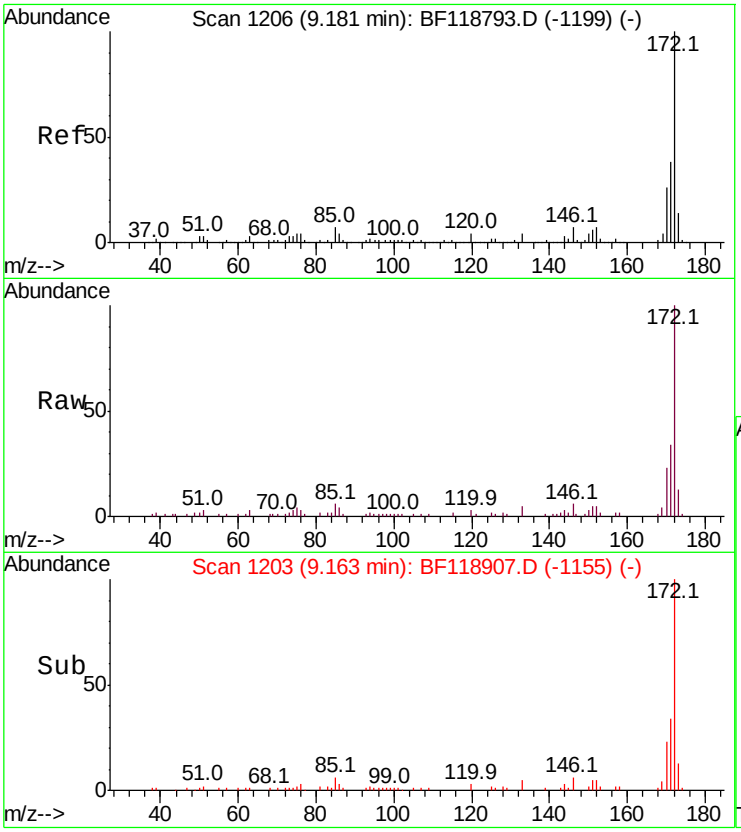


#42
2,4,6-Tribromophenol
Concen: 1.188 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:330 Resp: 7533

Ion	Ratio	Lower	Upper
330	100		
332	101.5	77.3	115.9
141	40.0	22.4	33.6#



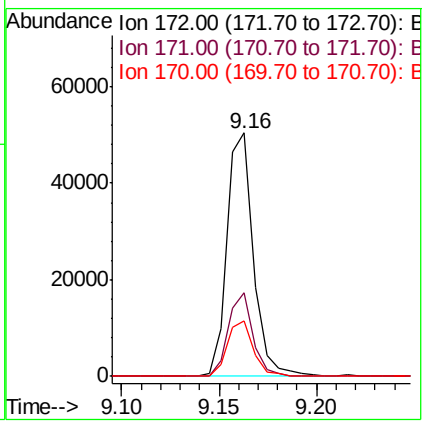


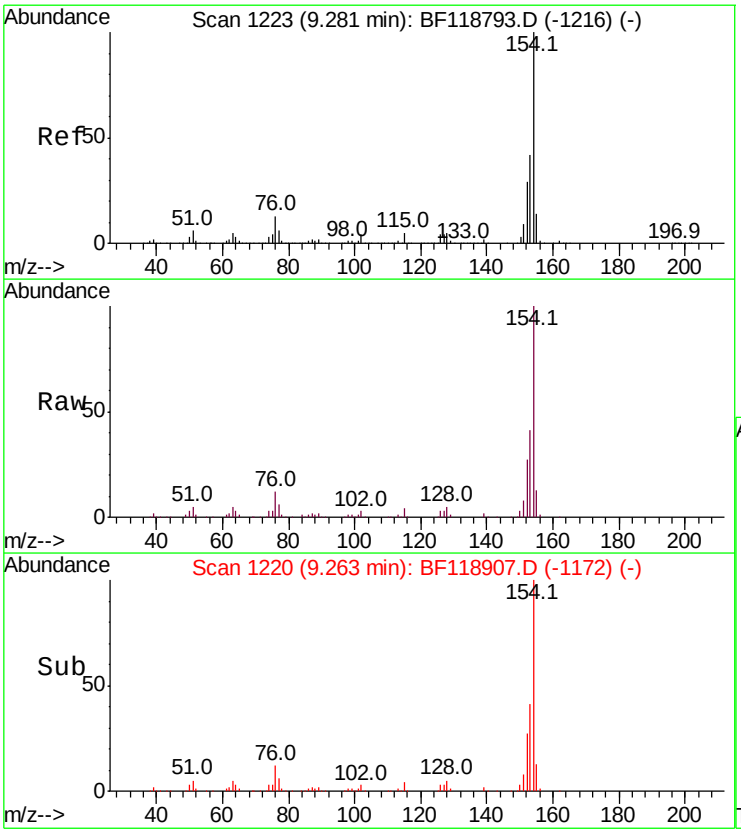
#45
2-Fluorobiphenyl
Concen: 1.590 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:172 Resp: 47140

Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.8	46.2
170	23.0	20.5	30.7

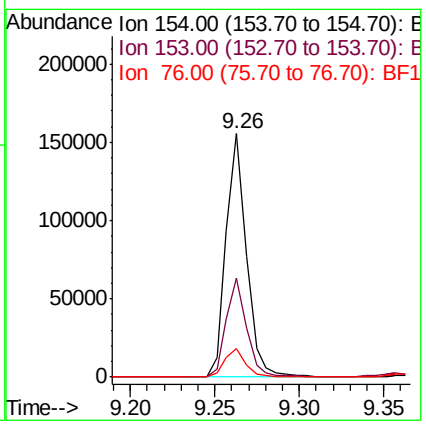


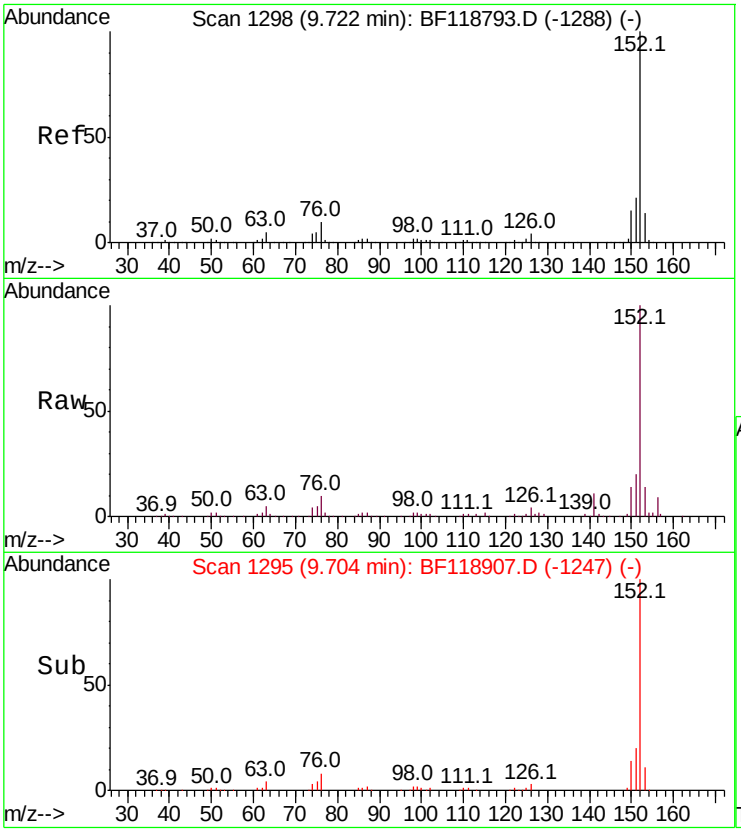


#46
1,1'-Biphenyl
Concen: 3.588 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:154 Resp: 131502

Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.4	62.4
76	11.9	0.0	32.7



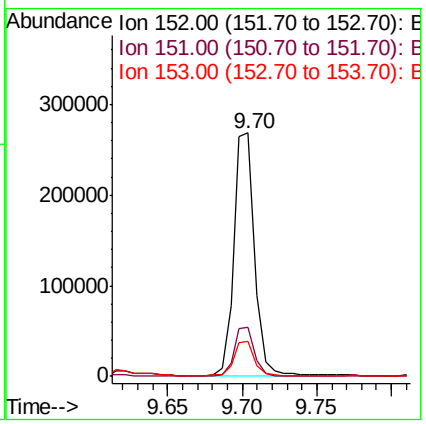


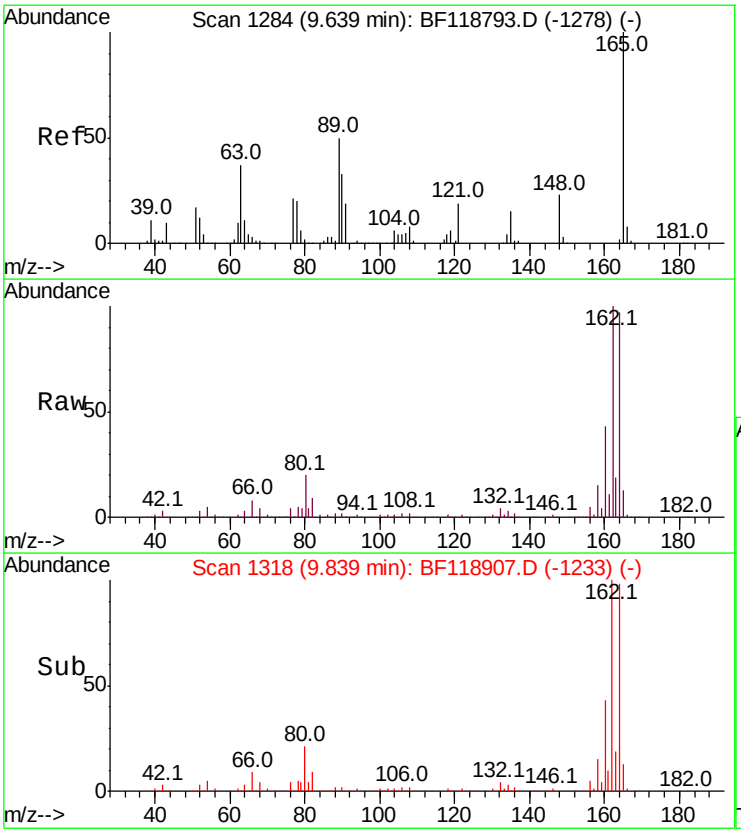
#49
Acenaphthylene
Concen: 5.928 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:152 Resp: 260827

Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.1	25.7
153	14.2	11.0	16.4

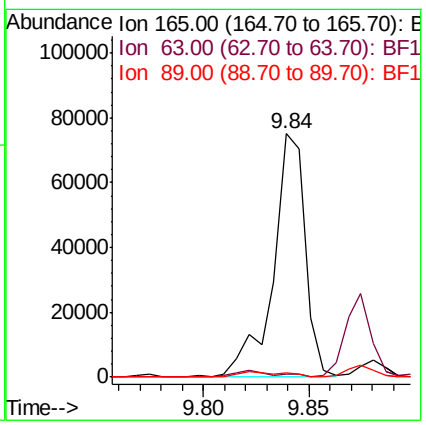


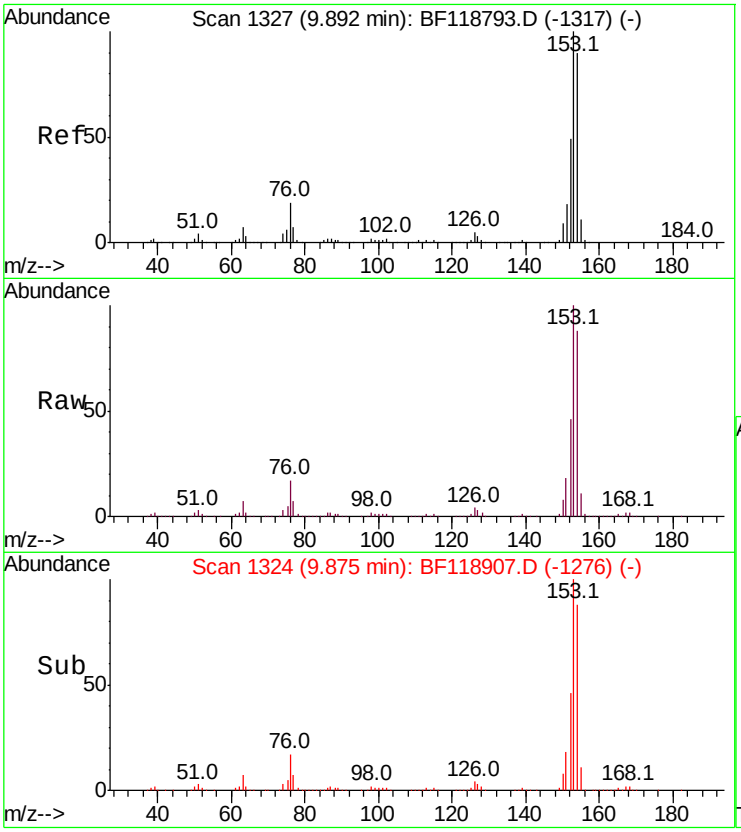


#51
2,6-Dinitrotoluene
Concen: 9.639 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:165 Resp: 79574

Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.4	56.0#
89	1.5	39.7	59.5#



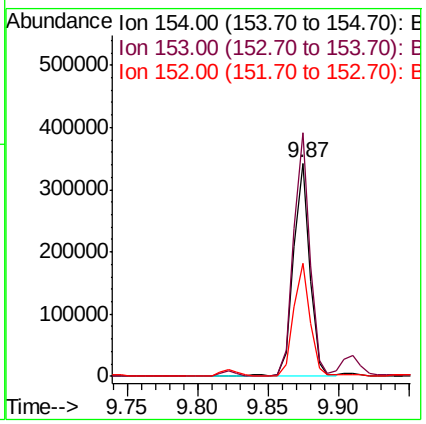


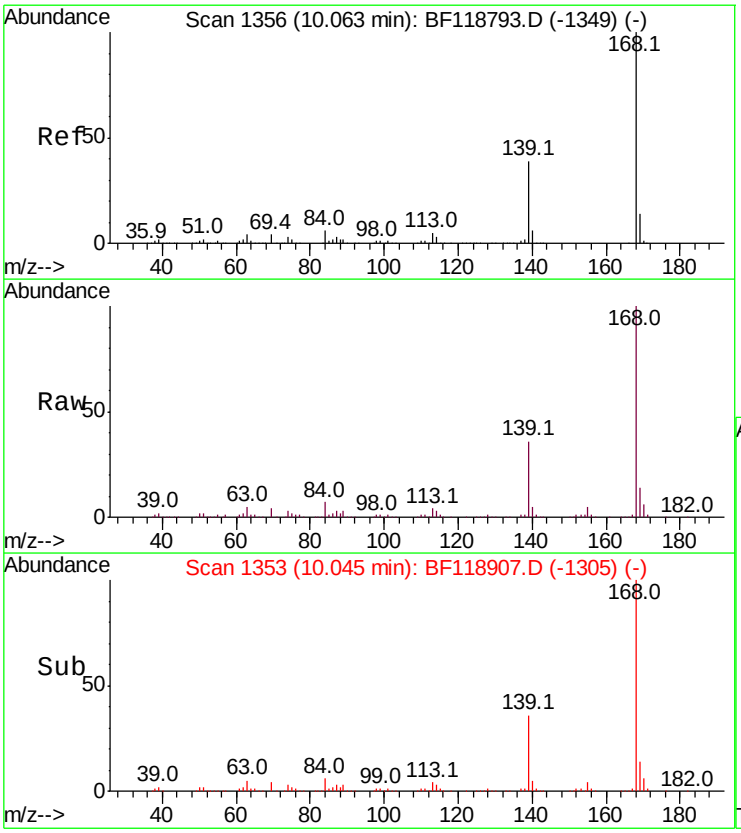
#52
Acenaphthene
Concen: 9.509 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:154 Resp: 275678

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.4	134.0
152	52.9	43.6	65.4

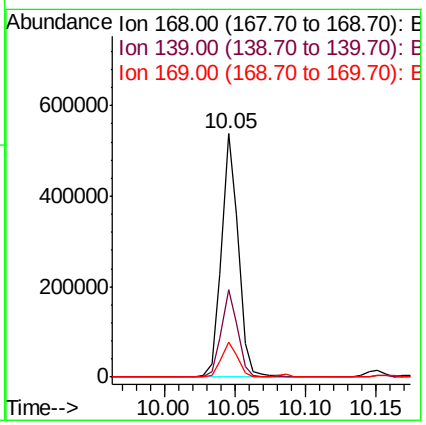


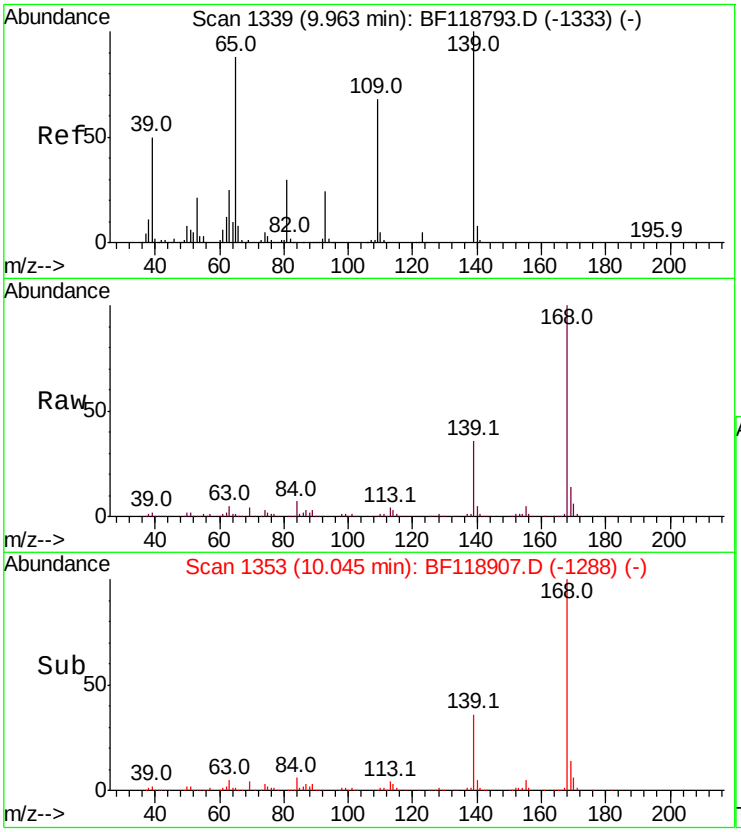


#55
Dibenzofuran
Concen: 10.600 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:168 Resp: 444131

Ion	Ratio	Lower	Upper
168	100		
139	35.9	31.6	47.4
169	14.4	11.4	17.2



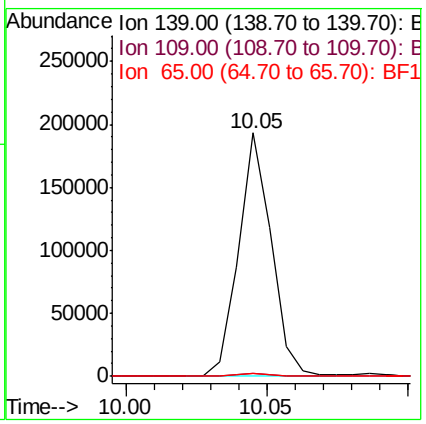


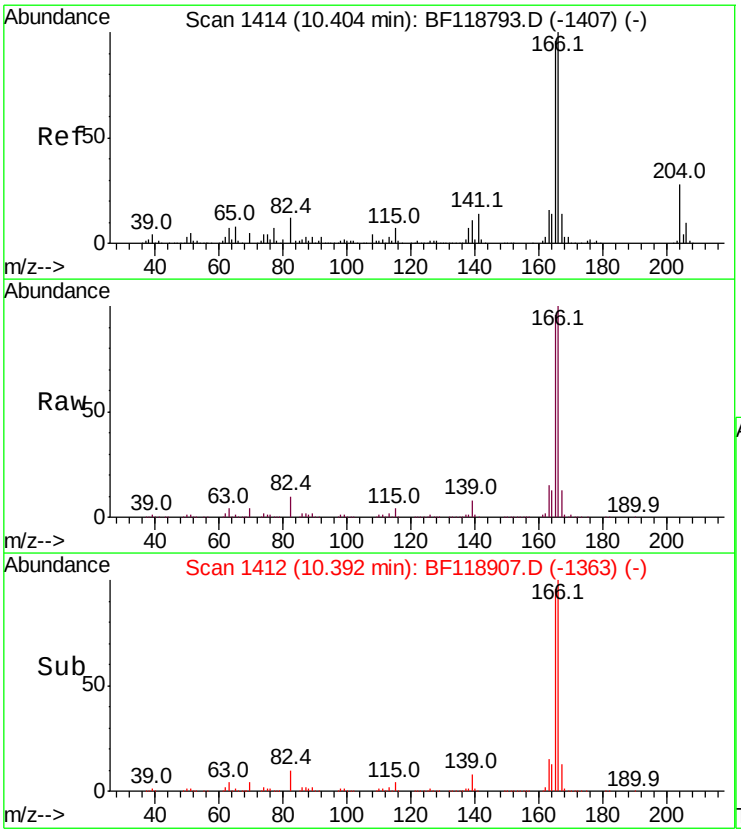
#56
4-Nitrophenol
Concen: 23.546 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.08 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:139 Resp: 156018

Ion	Ratio	Lower	Upper
139	100		
109	1.0	48.0	88.0#
65	1.4	68.3	108.3#

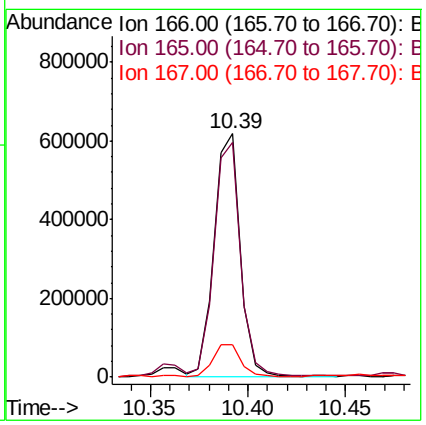


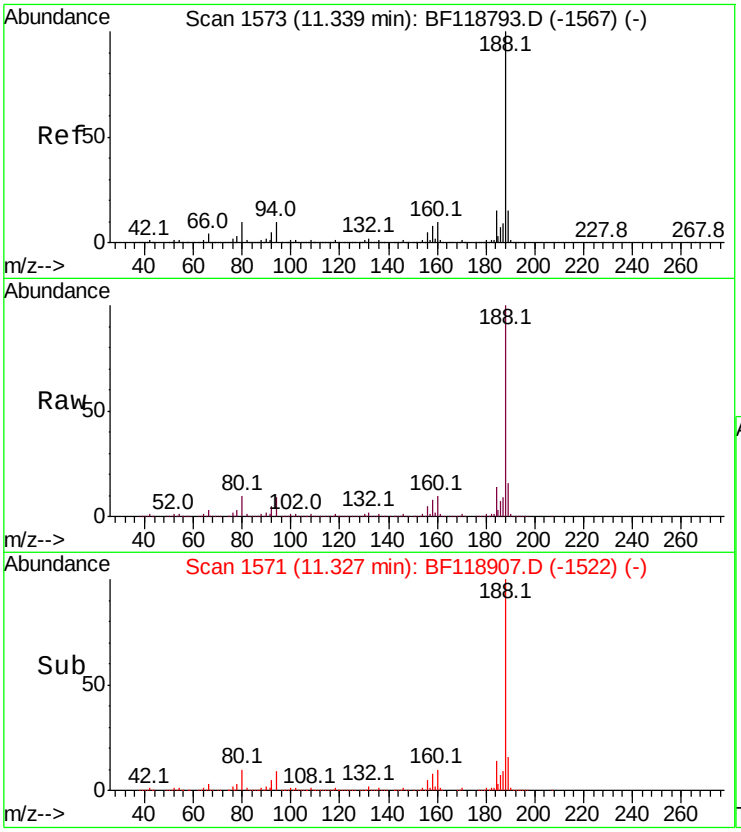


#58
Fluorene
Concen: 18.242 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:166 Resp: 575026

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.0	115.6
167	13.1	11.1	16.7



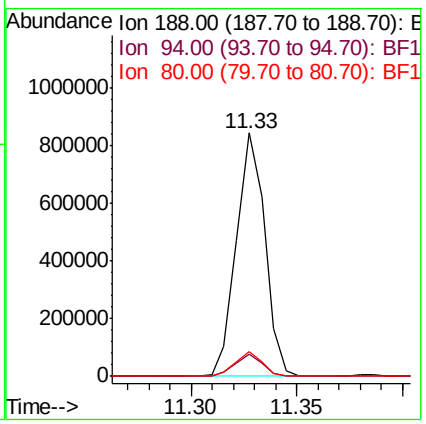


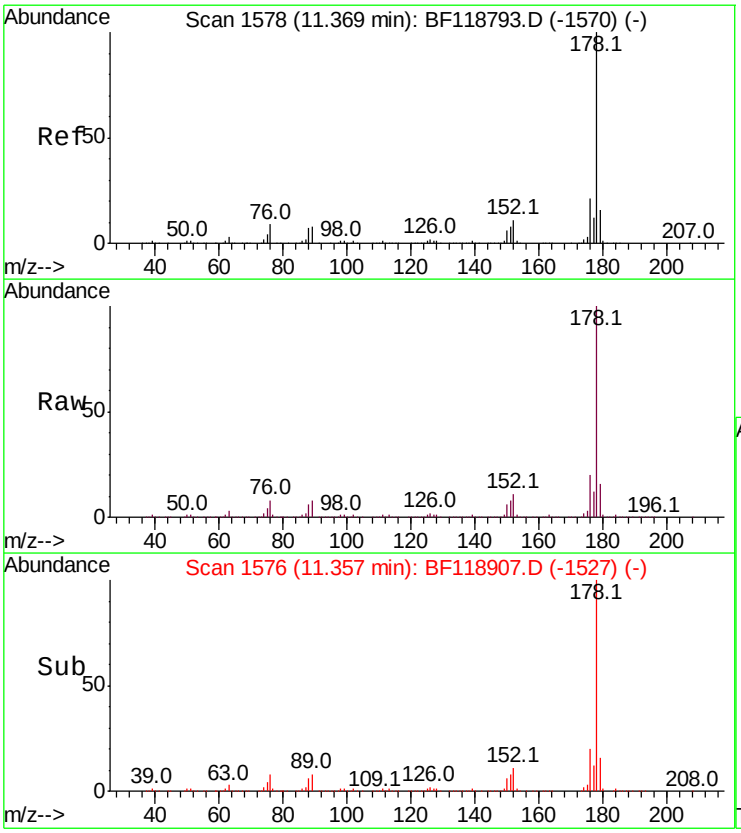
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:188 Resp: 791753

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.9	11.9
80	10.0	8.4	12.6

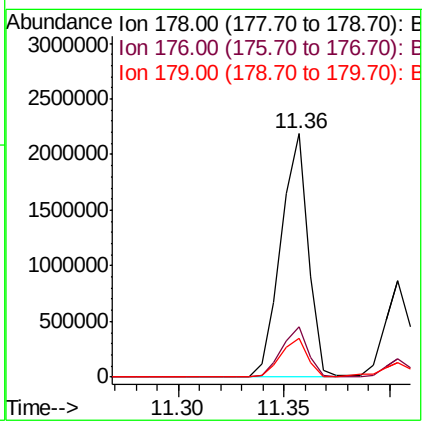


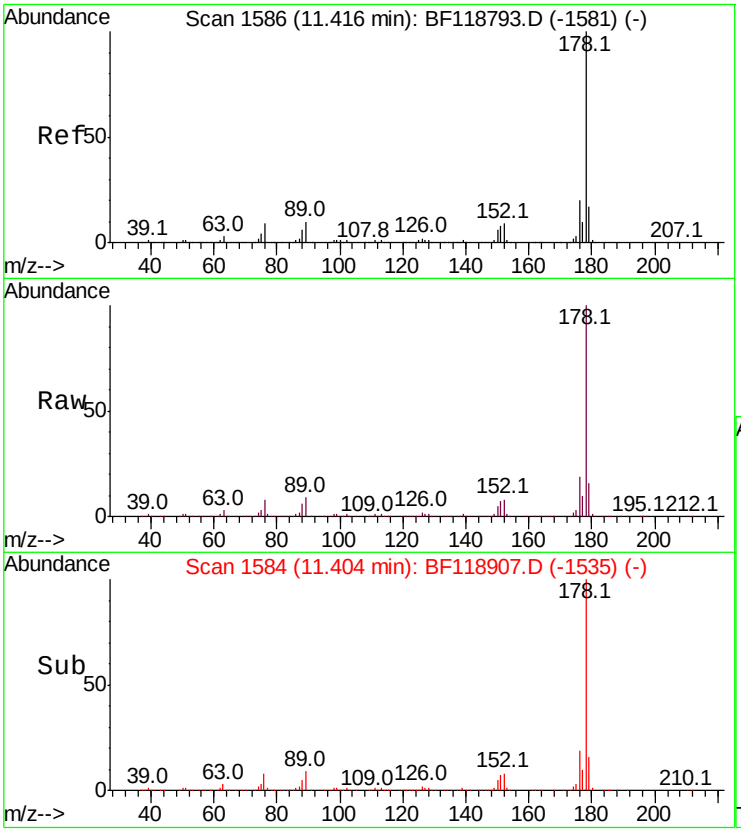


#71
Phenanthrene
Concen: 50.773 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:178 Resp: 1977876

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.6	24.8
179	15.9	13.2	19.8



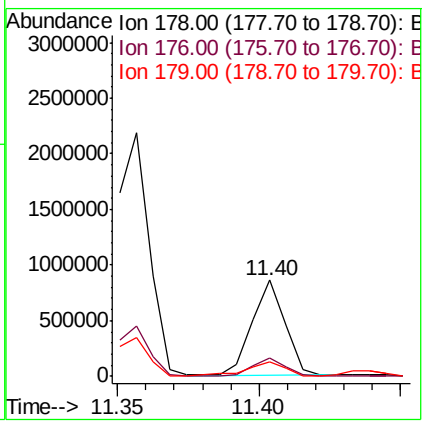


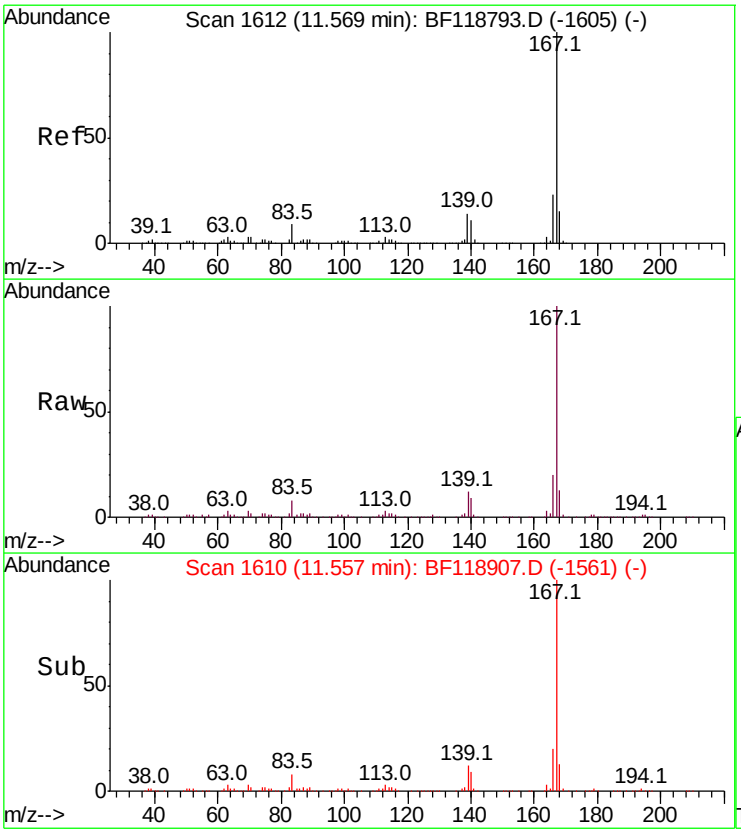
#72
Anthracene
Concen: 17.827 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:178 Resp: 690857

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.2
179	15.7	13.4	20.2

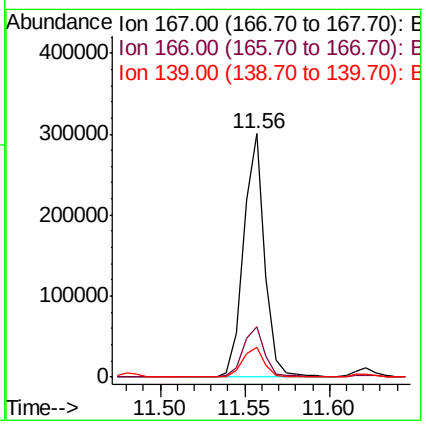


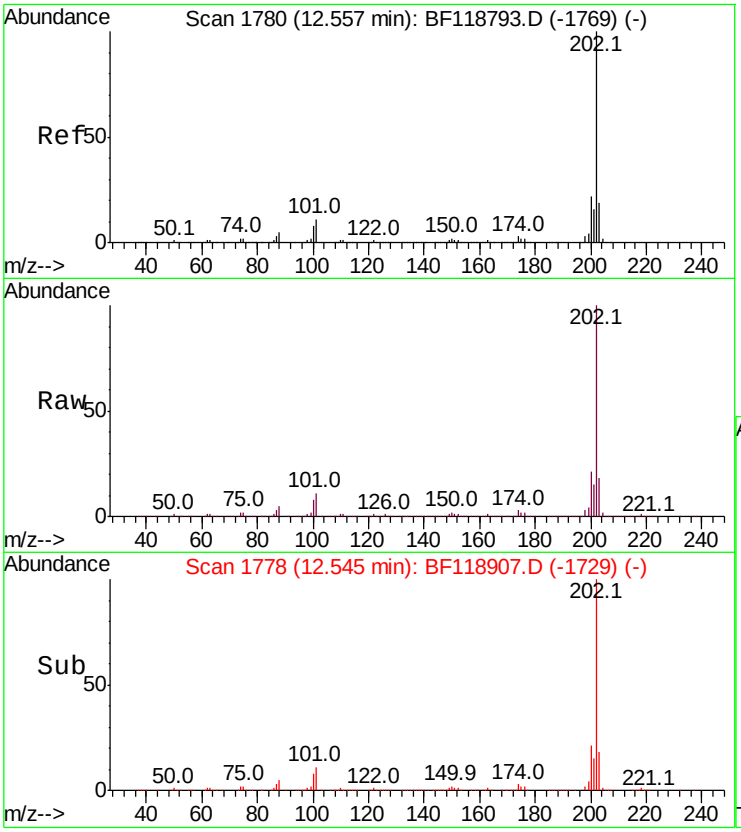


#73
Carbazole
Concen: 7.641 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:167 Resp: 259869

Ion	Ratio	Lower	Upper
167	100		
166	20.5	18.4	27.6
139	12.2	11.1	16.7



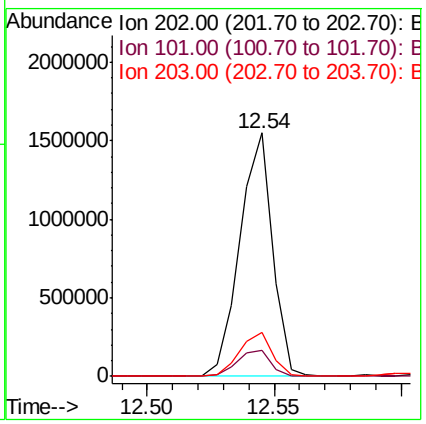


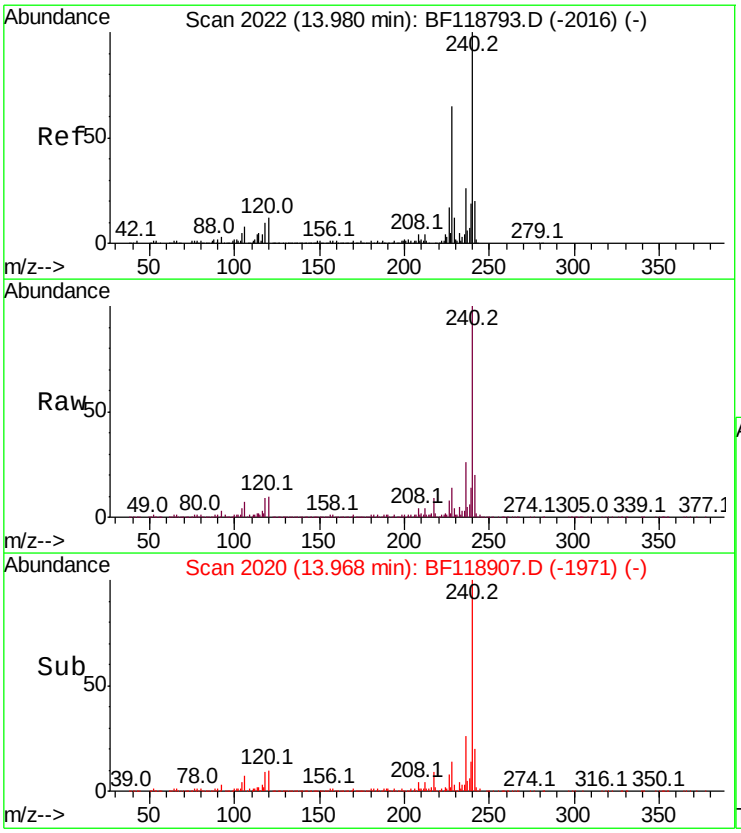
#75
Fluoranthene
Concen: 32.609 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:202 Resp: 1386923

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.0
203	18.1	0.0	38.7

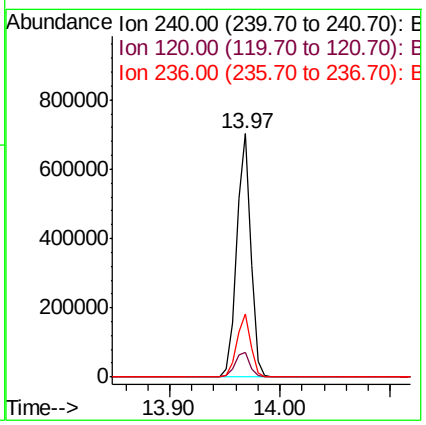


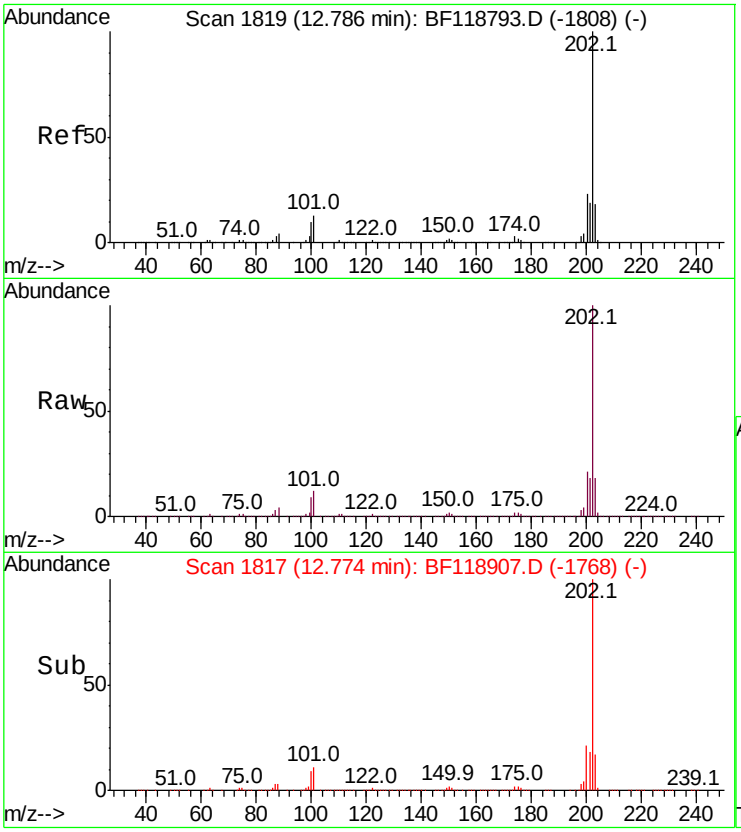


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:240 Resp: 627509

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.4	14.0
236	26.0	21.0	31.6



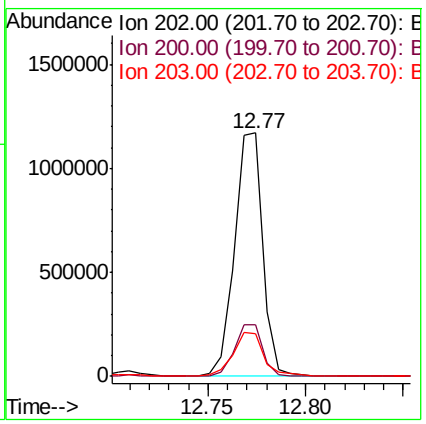


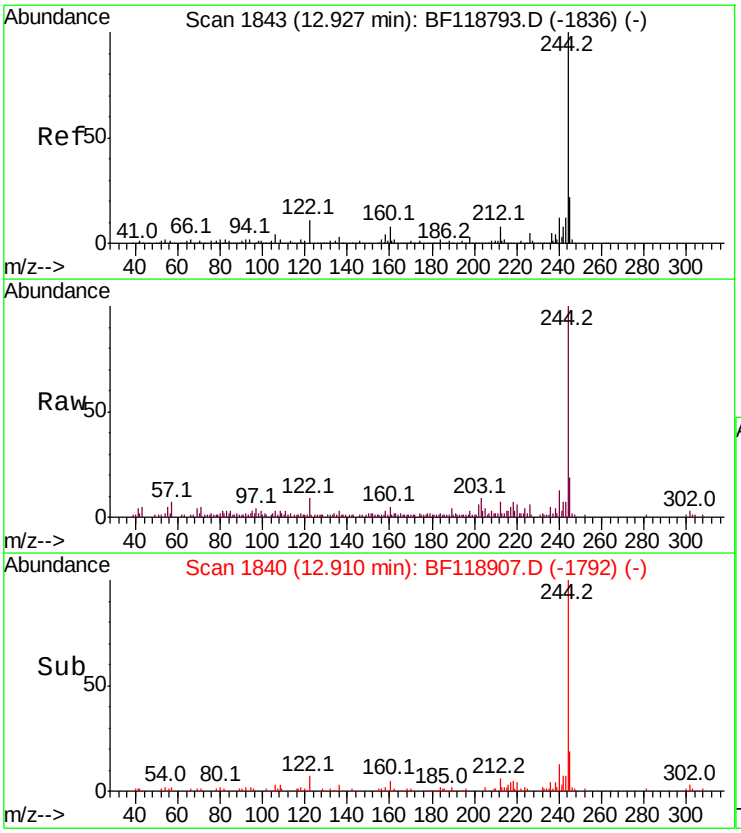
#78
Pyrene
Concen: 27.053 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:202 Resp: 1164615

Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	17.7	14.8	22.2

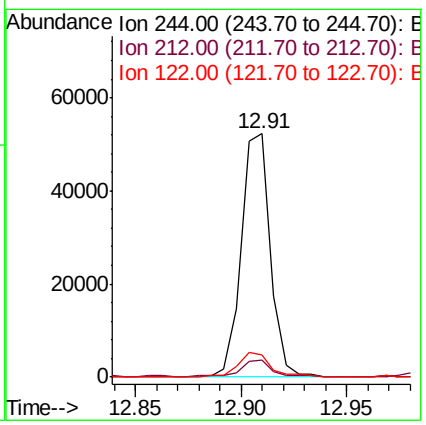


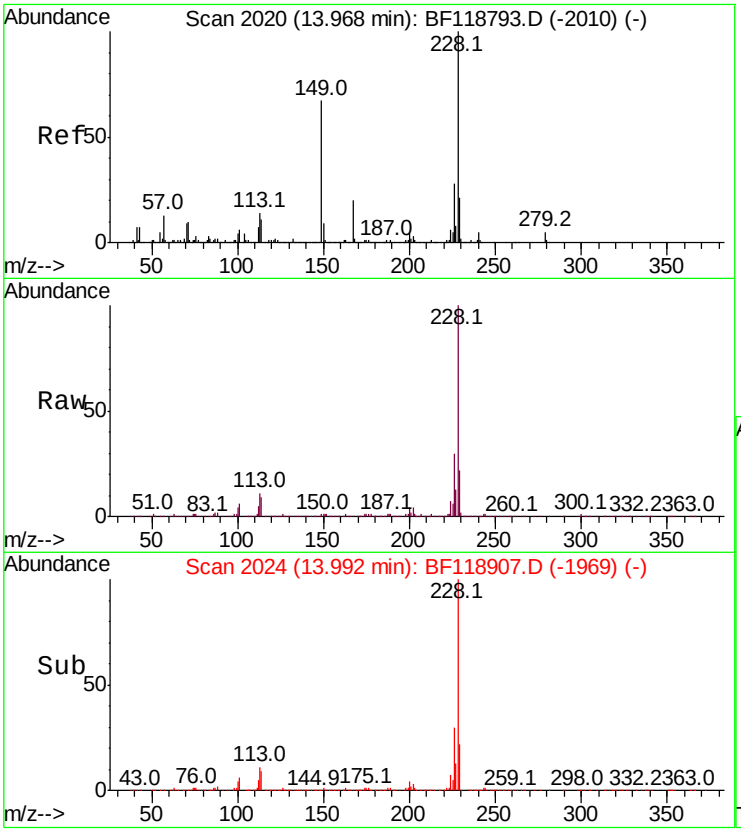


#79
Terphenyl-d14
Concen: 1.625 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:244 Resp: 49633

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.5	9.7
122	9.0	8.9	13.3



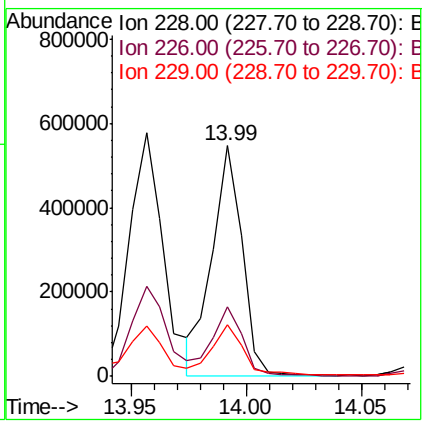


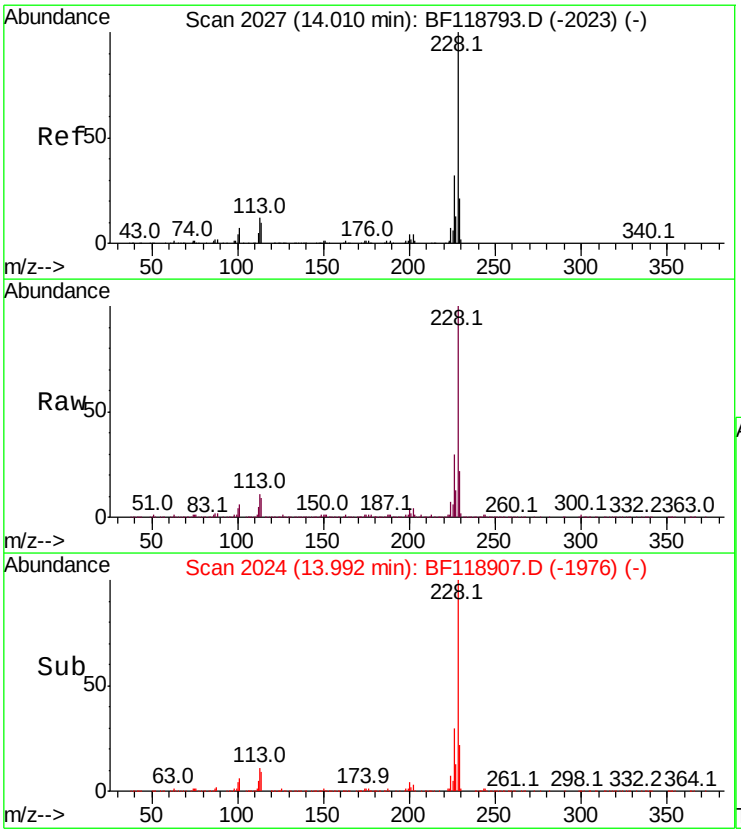
#81
Benzo(a)anthracene
Concen: 13.123 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:228 Resp: 490026

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.7	34.1
229	22.4	16.6	25.0

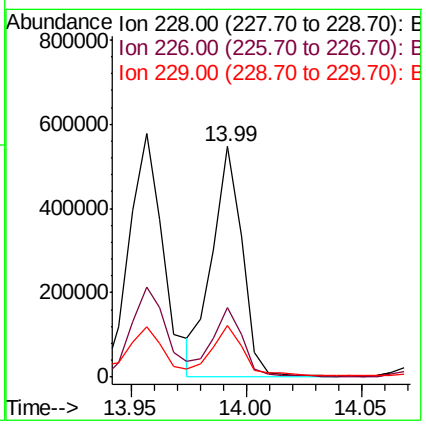


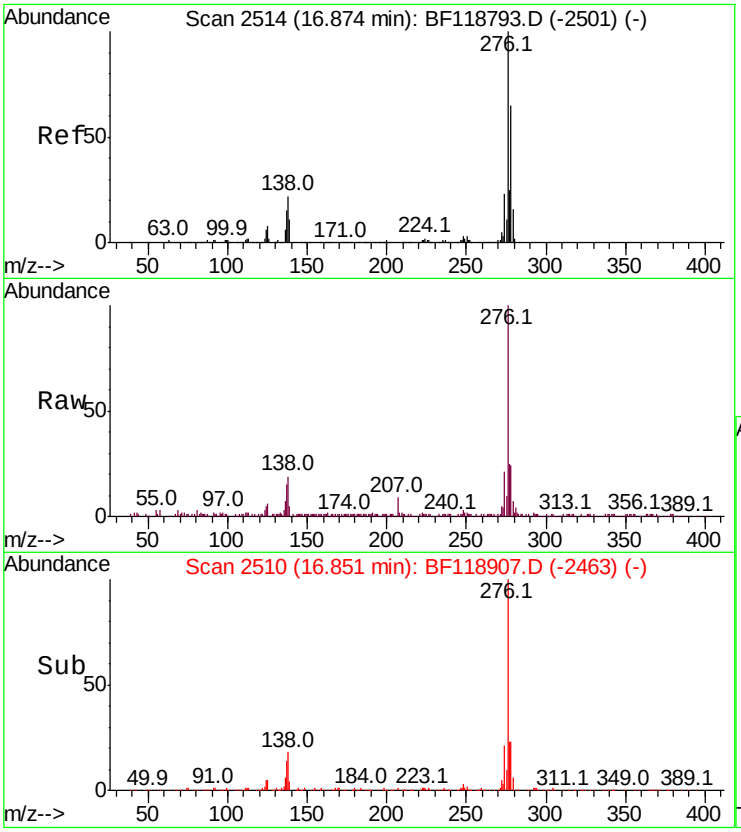


#83
Chrysene
Concen: 13.075 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:228 Resp: 490026

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	22.4	16.9	25.3



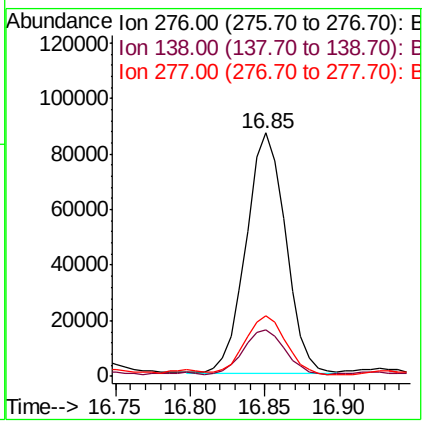


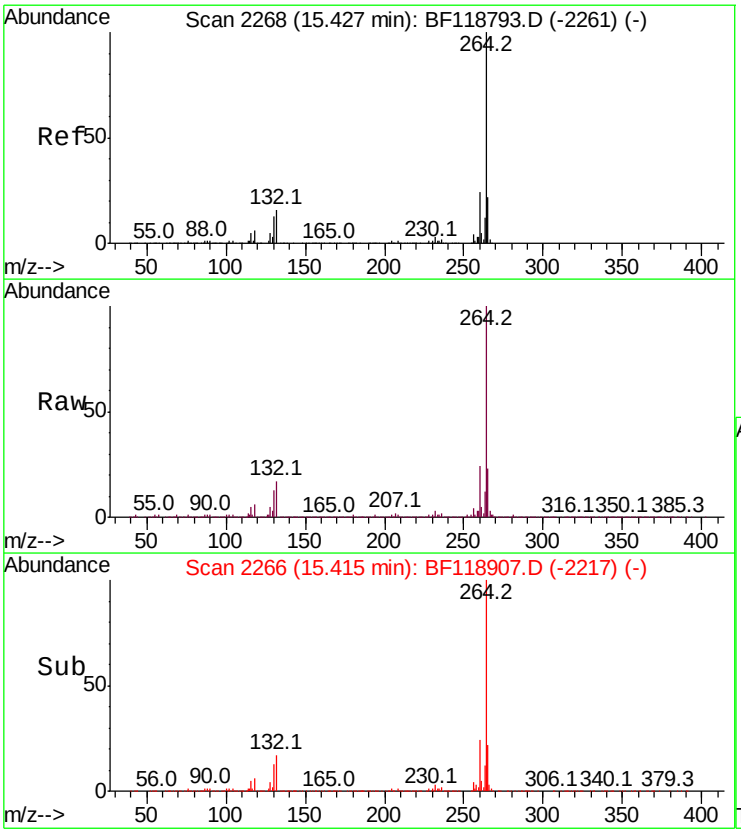
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.192 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:276 Resp: 157863

Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.3	27.5
277	25.0	20.2	30.4

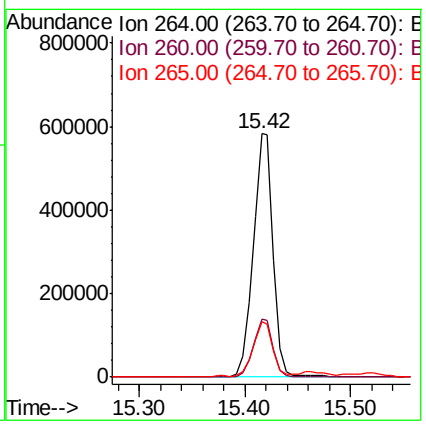


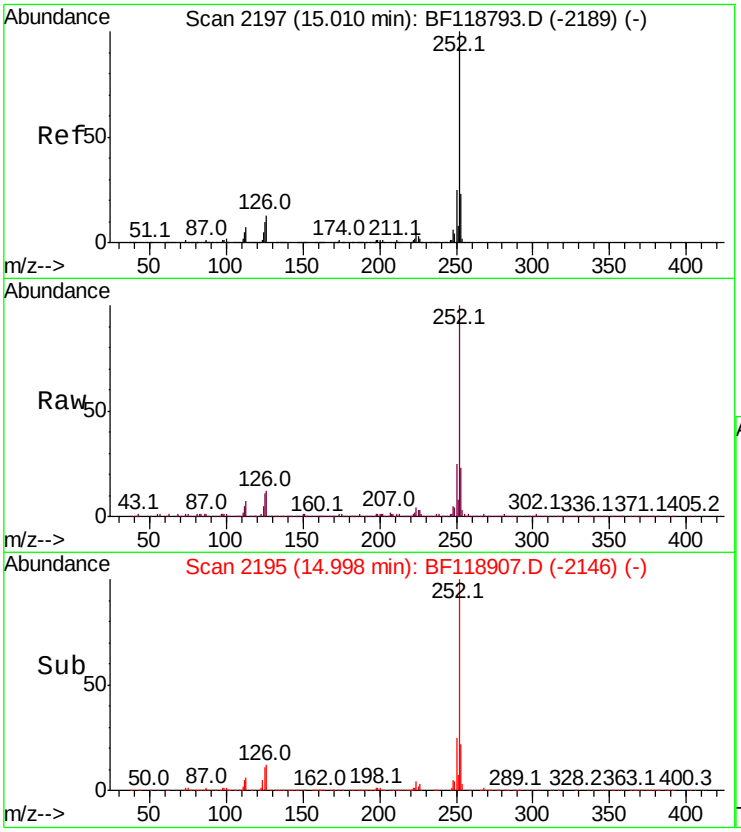


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:264 Resp: 766572

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.6	17.2	25.8



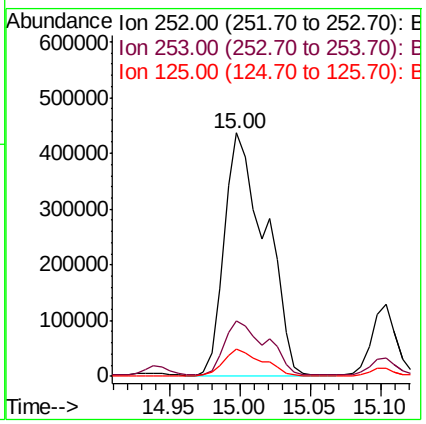


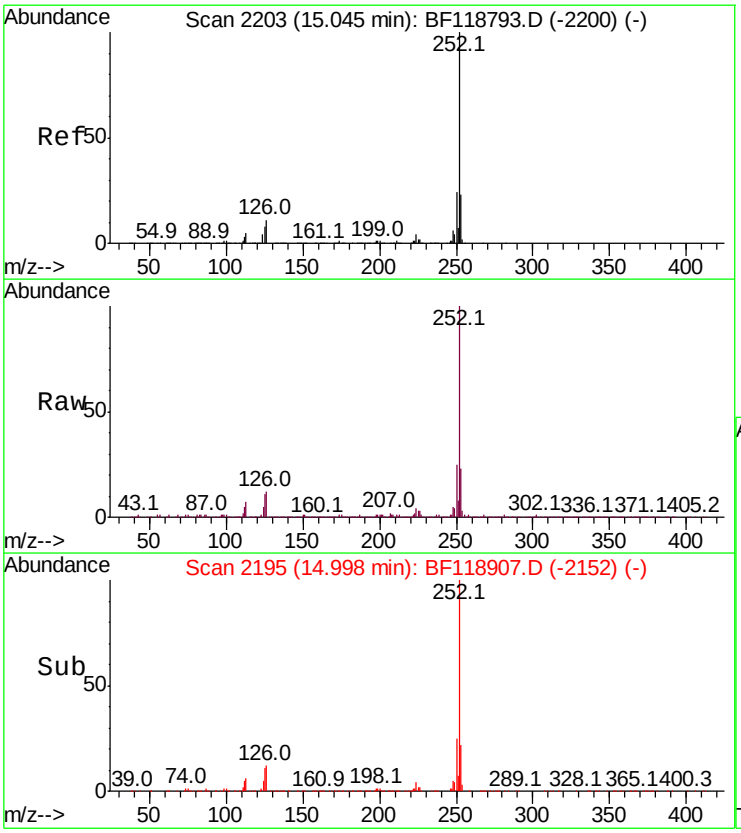
#88
Benzo(b)fluoranthene
Concen: 18.583 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:252 Resp: 883921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	11.0	8.1	12.1

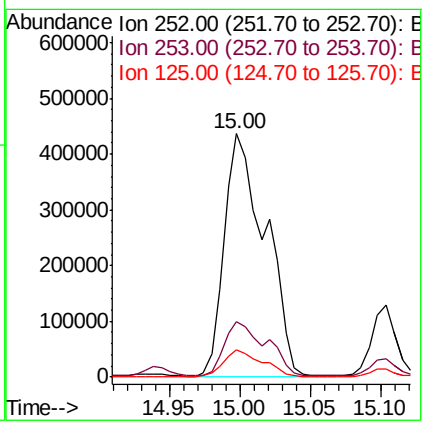


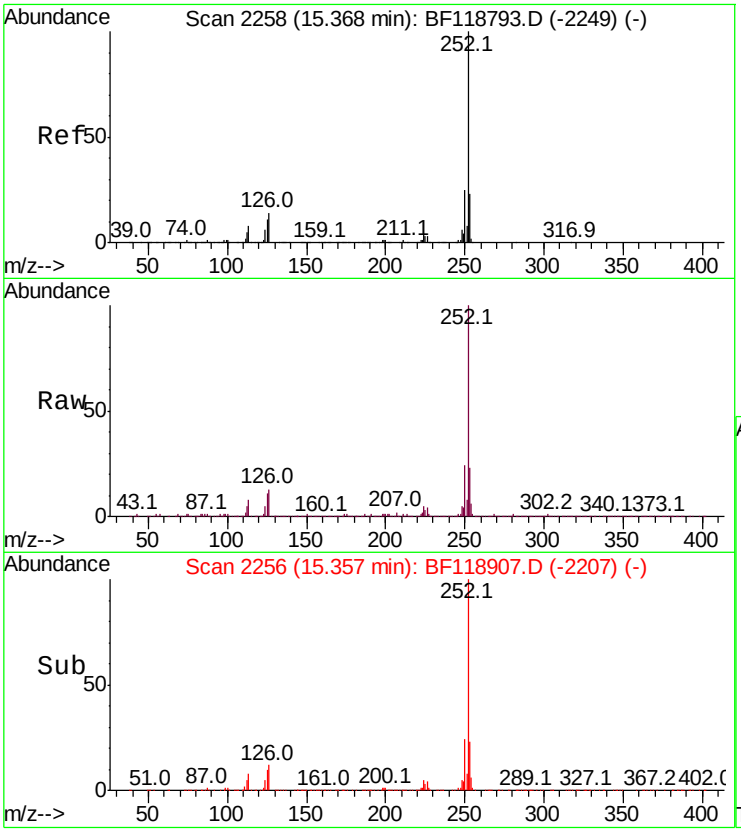


#89
Benzo(k)fluoranthene
Concen: 21.340 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:252 Resp: 883921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.0	7.0	10.6#



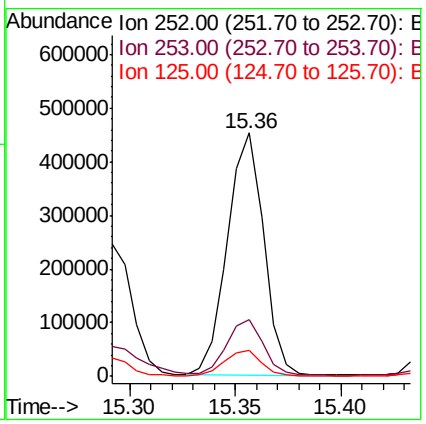


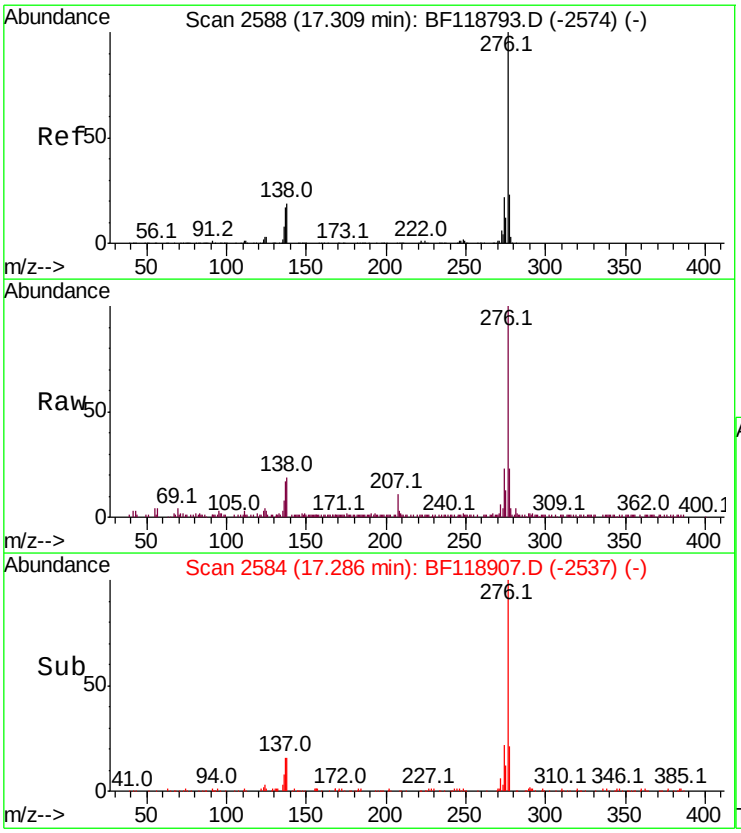
#90
Benzo(a)pyrene
Concen: 13.211 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Instrument :
BNA_F
ClientSampleId :
TP9-EP1-2.5DL

Tgt Ion:252 Resp: 537787

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	10.5	8.7	13.1





#92
Benzo(g,h,i)perylene
Concen: 3.928 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BF118907.D
Acq: 12 Feb 2020 2:18

Tgt Ion:276 Resp: 136509

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	19.0	15.4	23.2