Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Quant Time: Nov 01 00:37:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	112303	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	375314	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	167956	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	319430	20.000	ng	0.00
76) Chrysene-d12	14.021	240	283070	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	233636	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	677427	94.790	ng	0.00
7) Phenol-d6	6.451	99	783078	87.944	ng	0.00
23) Nitrobenzene-d5	7.381	82	443761	71.276	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	182594	101.853	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	794155	75.375	ng	0.00
79) Terphenyl-d14	12.963	244	1000807	54.943	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	59956	11.784	ng	# 79
25) Isophorone	7.381	82	442484	37.646	ng	# 64
31) Naphthalene	8.122	128	220655	12.192	ng	100
32) Benzoic acid	7.886	122	571	5.232	ng	# 1
33) 4-Chloroaniline	8.122	127	28641	3.614	ng	# 32
37) 2-Methylnaphthalene	8.816	142	61726	5.086	ng	97
38) 1-Methylnaphthalene	8.916	142	100984	8.942	ng	99
46) 1,1'-Biphenyl	9.281	154	41299	3.226	ng	97
49) Acenaphthylene	9.722	152	440545	29.919	ng	100
52) Acenaphthene	9.892	154	97337	10.399	ng	97
54) 2,4-Dinitrophenol	9.916	184	157	8.087	ng	# 1
55) Dibenzofuran	10.069	168	68095	4.989	ng	# 94
57) 2,4-Dinitrotoluene	10.175	165	9217	3.074	ng	# 58
58) Fluorene	10.410	166	154446	15.113	ng	97
65) 4,6-Dinitro-2-methylph...	10.475	198	371	5.977	ng	# 1
71) Phenanthrene	11.380	178	973017	60.498	ng	99
72) Anthracene	11.433	178	539866	32.758	ng	99
73) Carbazole	11.586	167	41690	2.911	ng	# 88
75) Fluoranthene	12.598	202	1775081	107.434	ng	99
78) Pyrene	12.821	202	2389771	95.756	ng	99
81) Benzo(a)anthracene	14.051	228	1208421	64.483	ng	94
83) Chrysene	14.051	228	1208421	65.477	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	420753	27.555	ng	96
88) Benzo(b)fluoranthene	15.080	252	1286605	93.066	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	1286605	94.059	ng	97
90) Benzo(a)pyrene	15.457	252	858671	66.848	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	112613	9.003	ng	94
92) Benzo(g,h,i)perylene	17.503	276	449269	32.541	ng	100

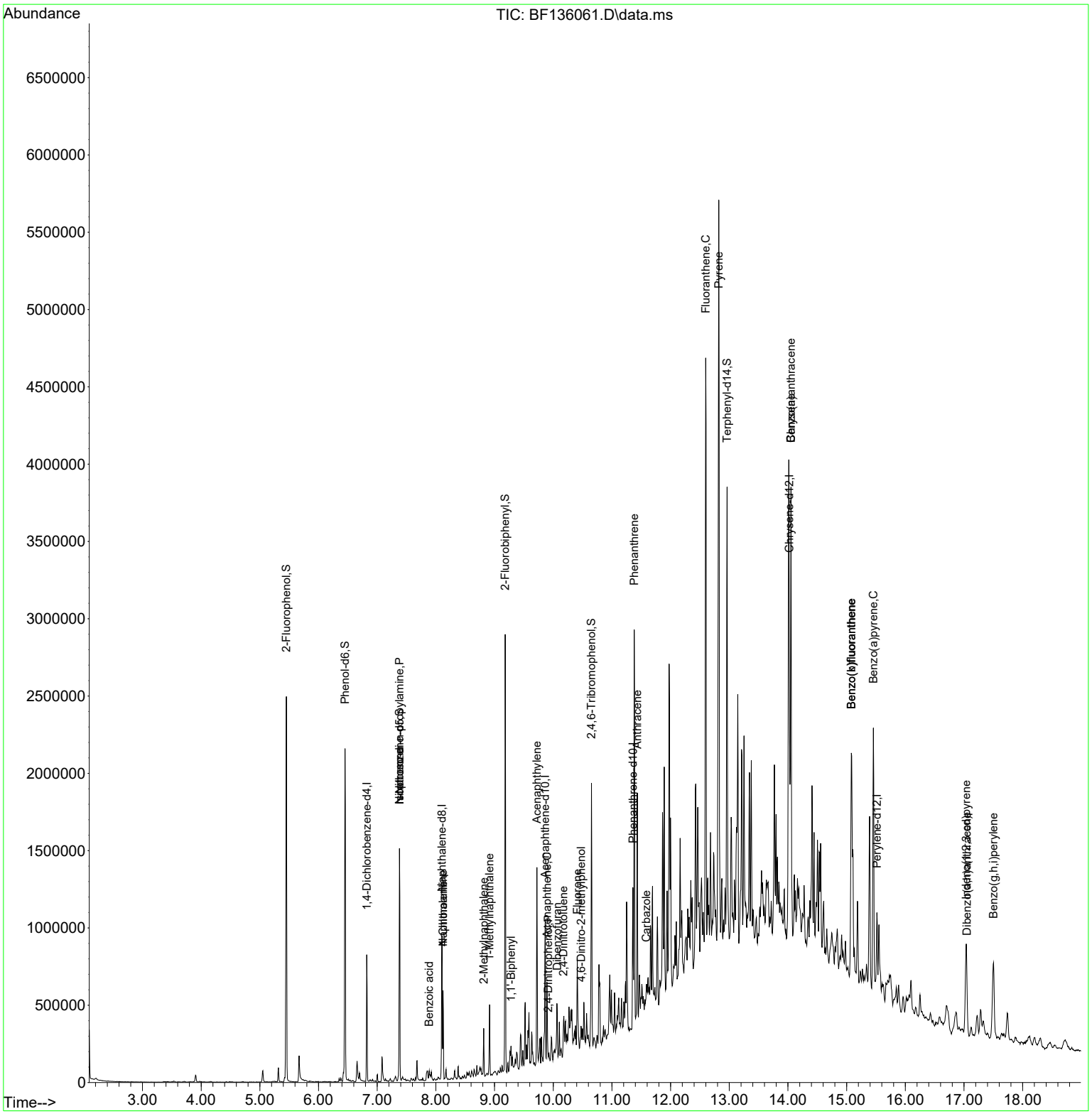
(#) = qualifier out of range (m) = manual integration (+) = signals summed

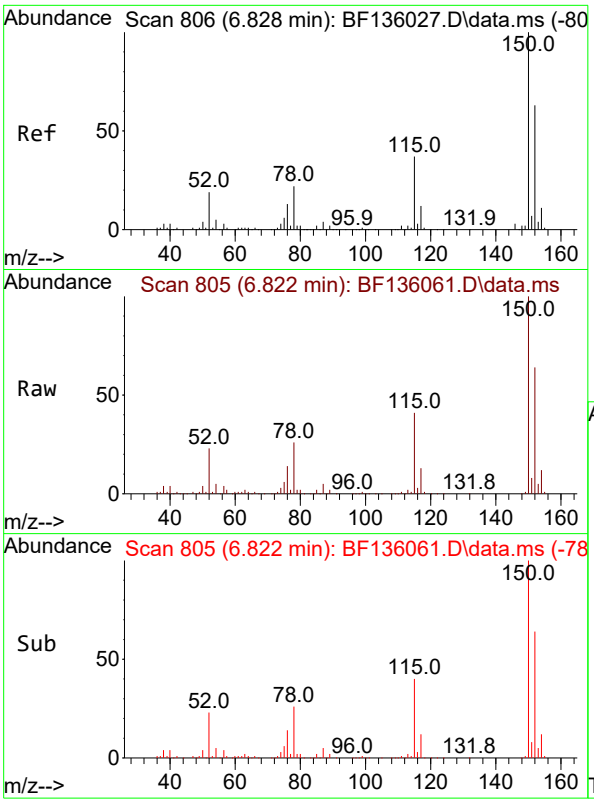
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Quant Time: Nov 01 00:37:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration



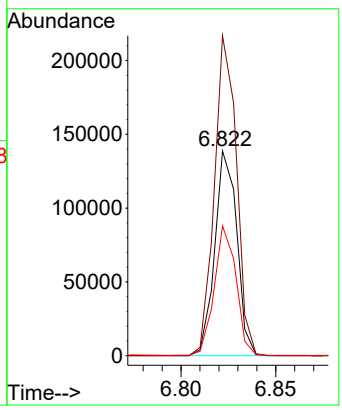


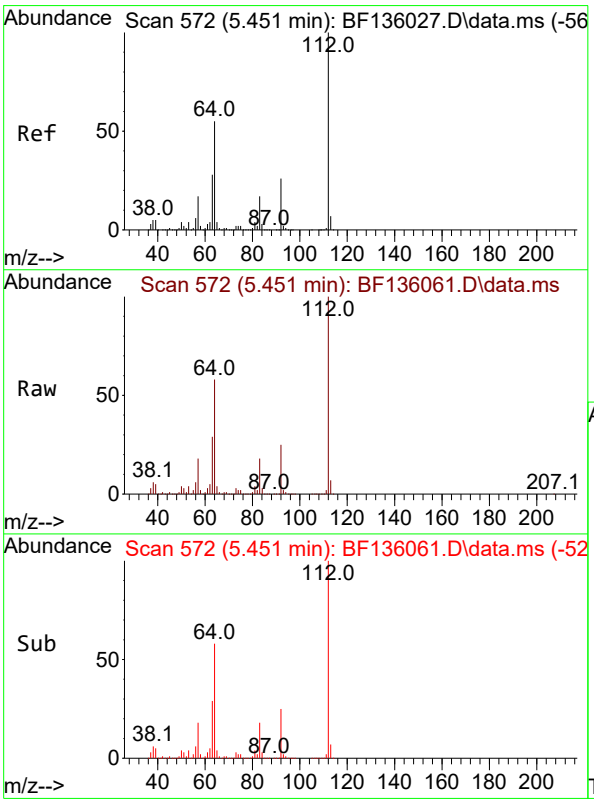
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:152 Resp: 112303

Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.4	189.6
115	63.4	47.0	70.4

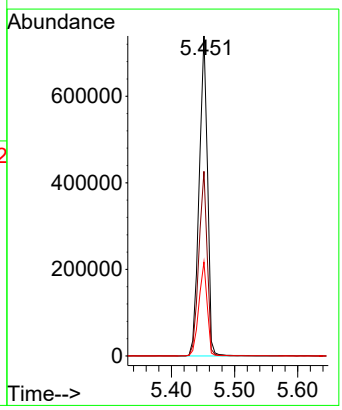


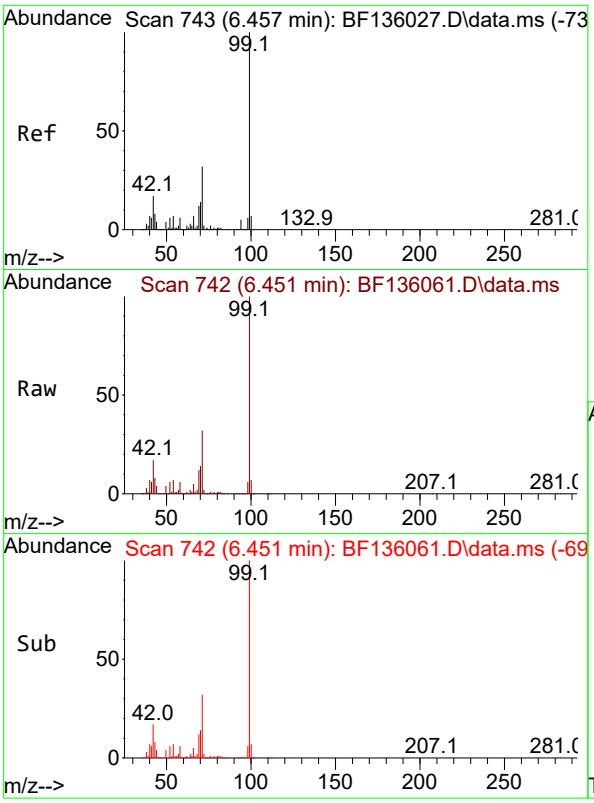


#5
2-Fluorophenol
Concen: 94.790 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:112 Resp: 677427

Ion	Ratio	Lower	Upper
112	100		
64	57.7	43.9	65.9
63	29.3	22.4	33.6



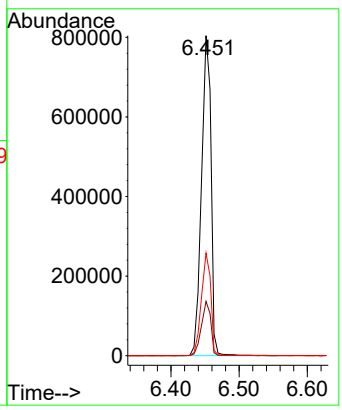


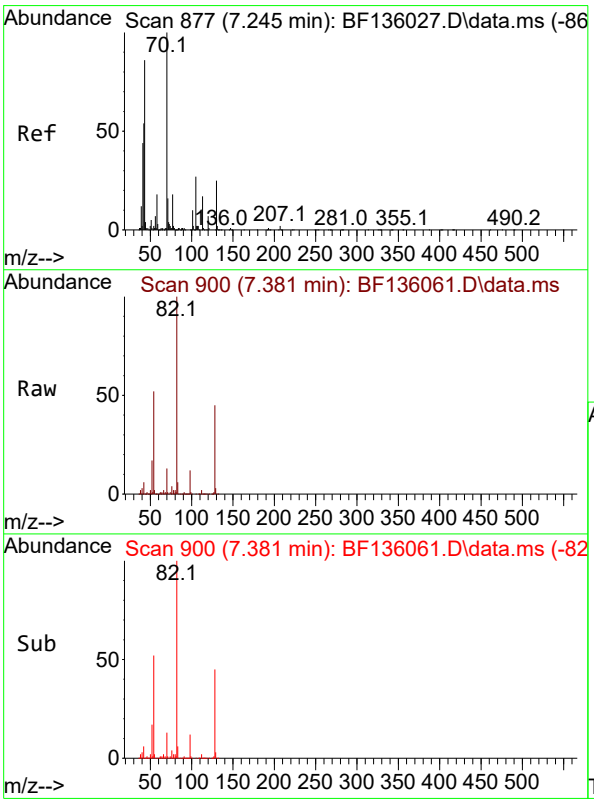
#7
Phenol-d6
Concen: 87.944 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion: 99 Resp: 783078

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	32.0	25.9	38.9

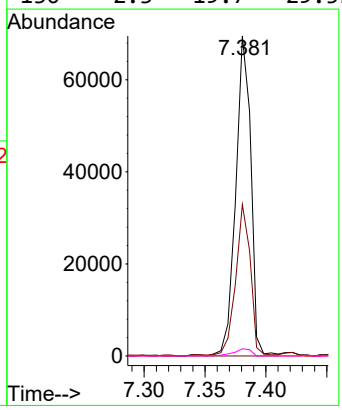


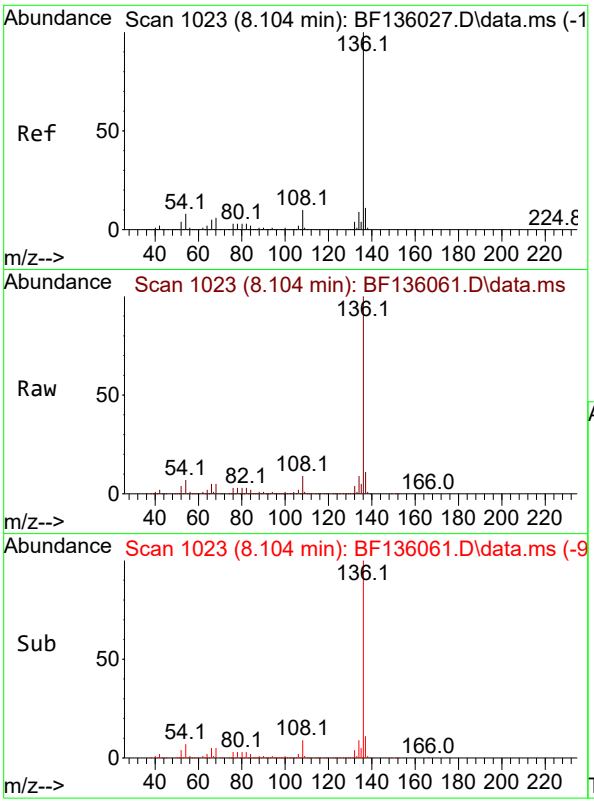


#19
n-Nitroso-di-n-propylamine
Concen: 11.784 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion: 70 Resp: 59956

Ion	Ratio	Lower	Upper
70	100		
42	47.4	43.0	64.4
101	0.0	8.0	12.0#
130	2.3	19.7	29.5#



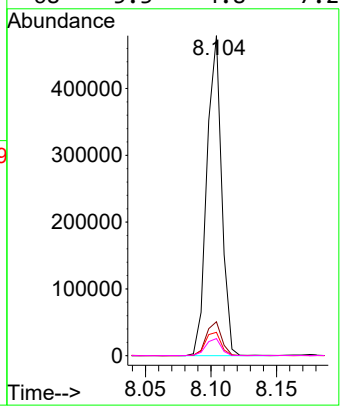


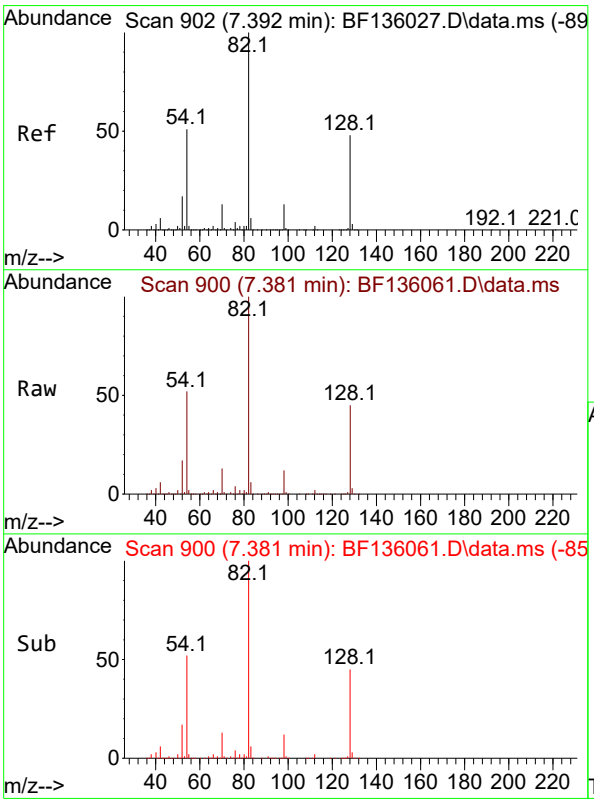
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:136 Resp: 375314

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.3	6.6	9.8
68	5.3	4.8	7.2

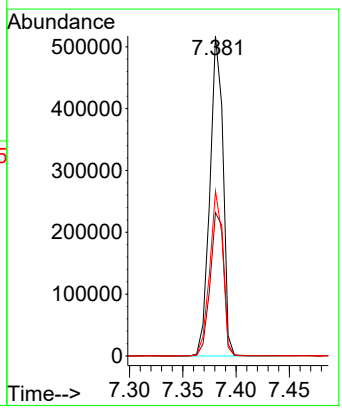


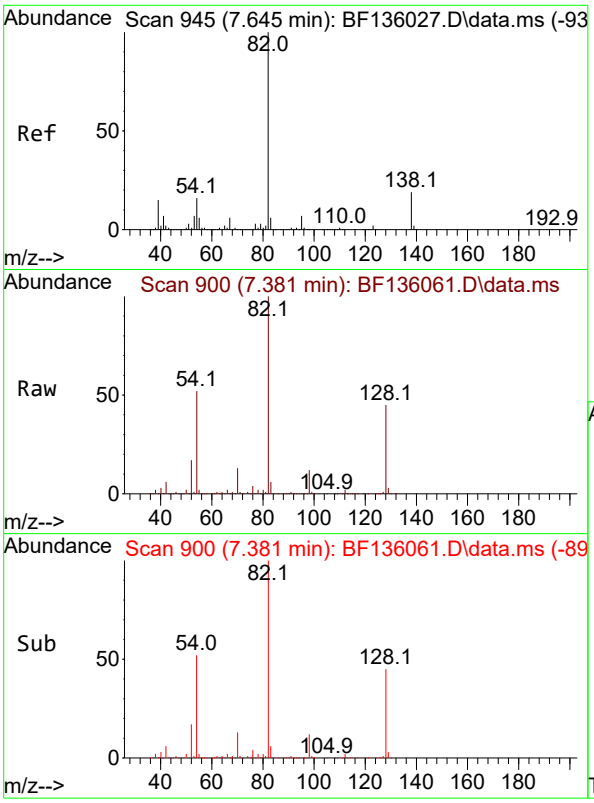


#23
Nitrobenzene-d5
Concen: 71.276 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion: 82 Resp: 443761

Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.6	57.8
54	51.5	40.8	61.2



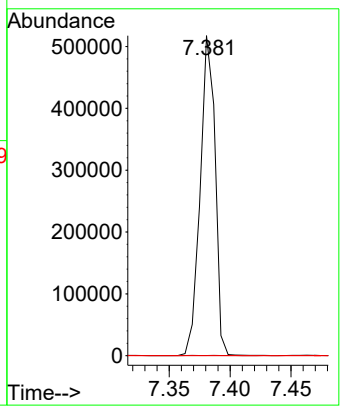


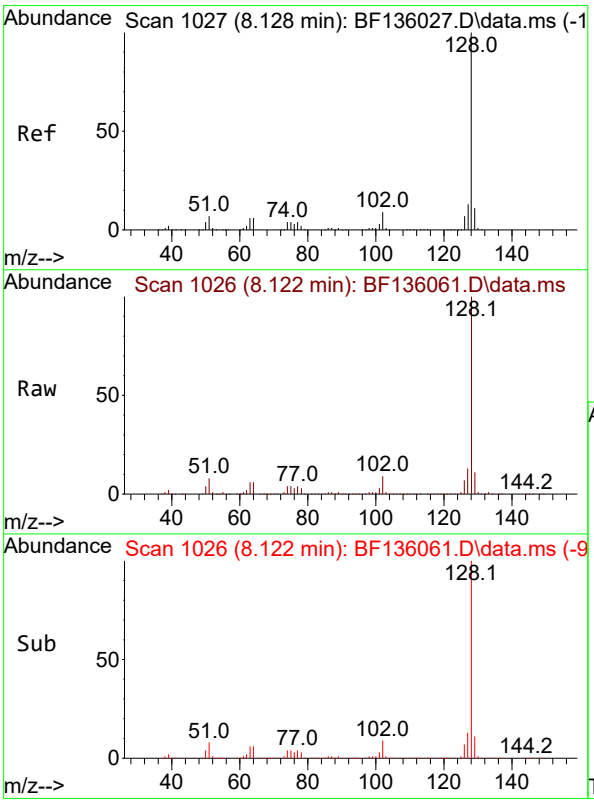
#25
Isophorone
Concen: 37.646 ng
RT: 7.381 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion: 82 Resp: 442484

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	15.3	22.9#

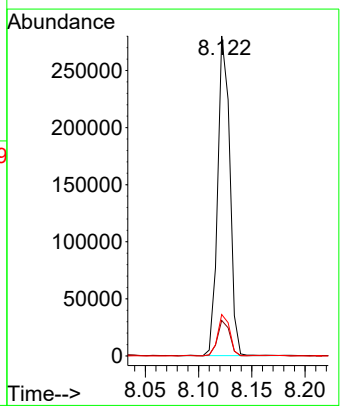


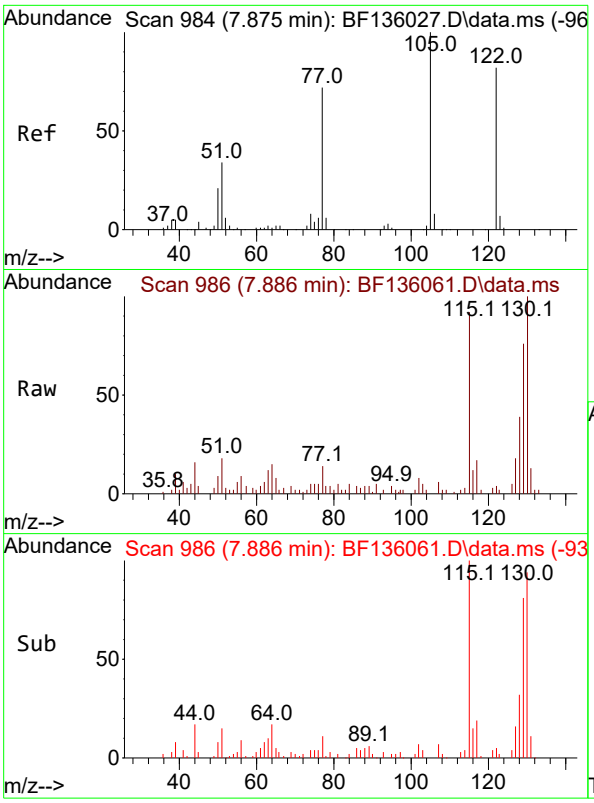


#31
Naphthalene
Concen: 12.192 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:128 Resp: 220655

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.5	15.7



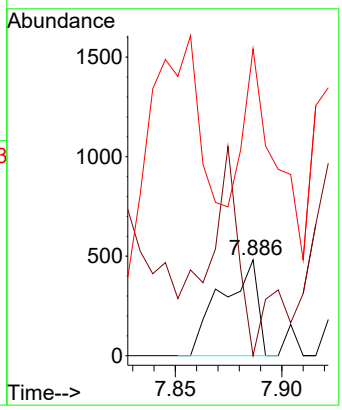


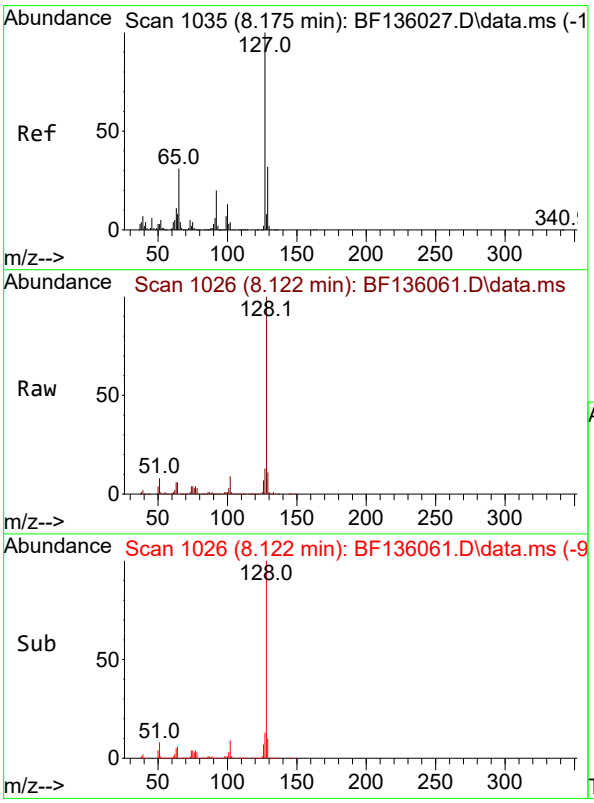
#32
Benzoic acid
Concen: 5.232 ng
RT: 7.886 min Scan# 9
Delta R.T. 0.011 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:122 Resp: 571

Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.5	139.5#
77	319.9	66.8	106.8#

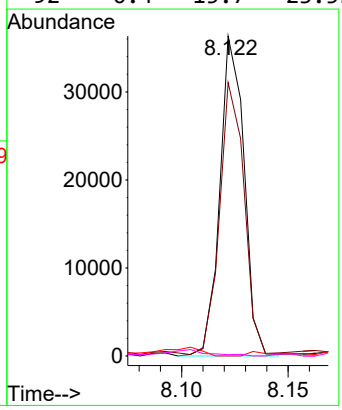


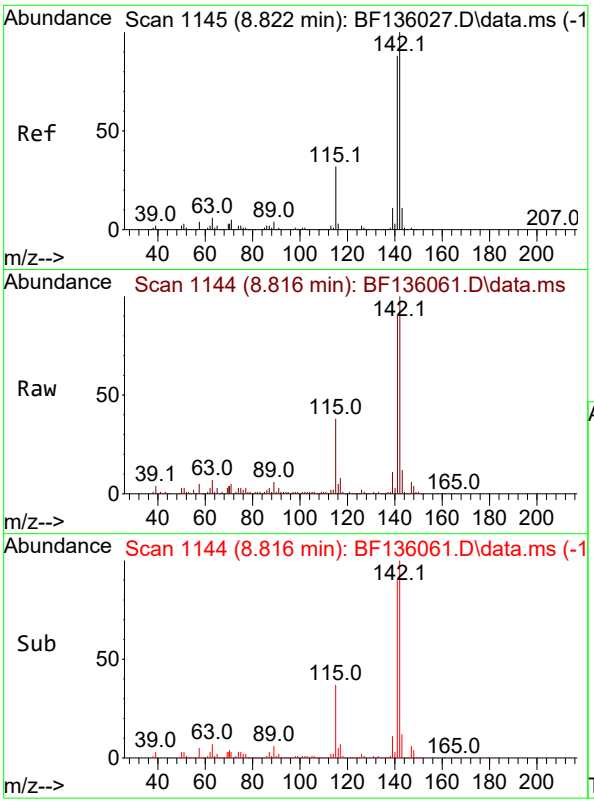


#33
4-Chloroaniline
Concen: 3.614 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:127 Resp: 28641

Ion	Ratio	Lower	Upper
127	100		
129	85.4	25.9	38.9#
65	0.0	24.6	37.0#
92	0.4	15.7	23.5#



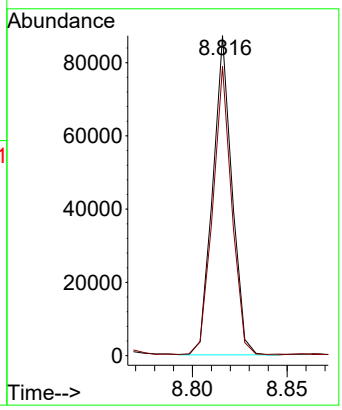


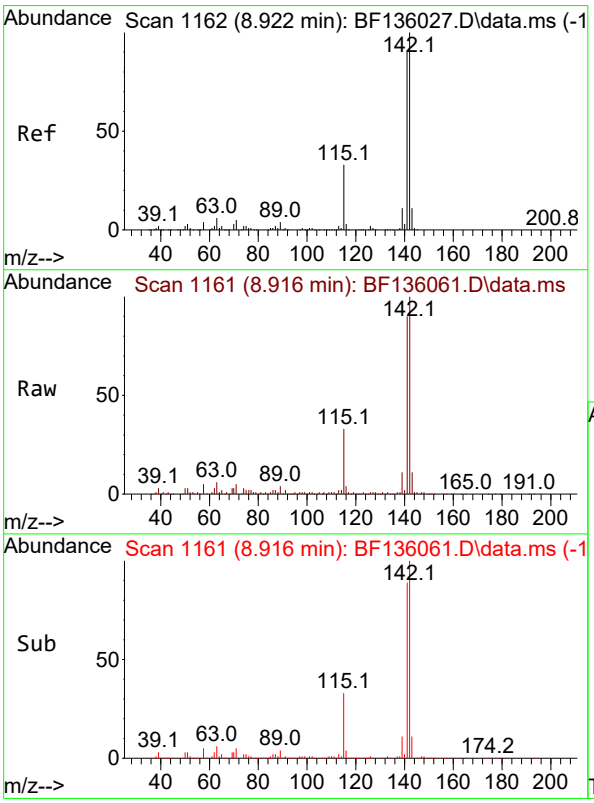
#37
2-Methylnaphthalene
Concen: 5.086 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:142 Resp: 61726

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.4	105.6

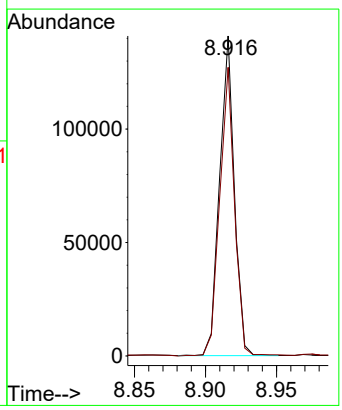


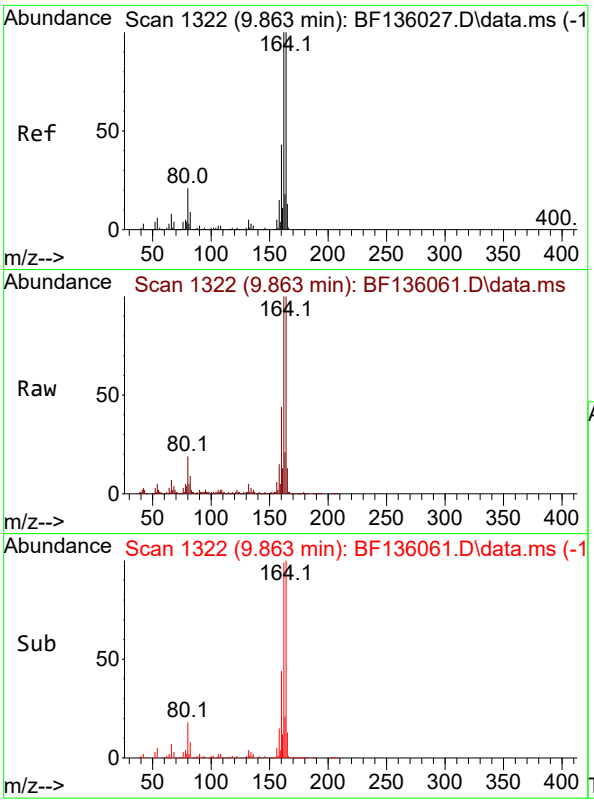


#38
1-Methylnaphthalene
Concen: 8.942 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:142 Resp: 100984

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.6	109.0



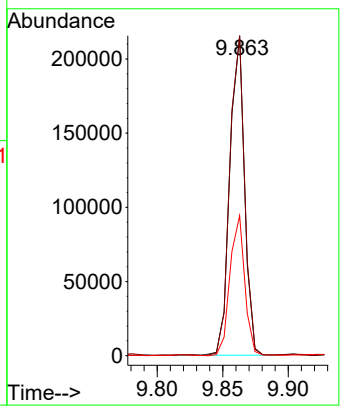


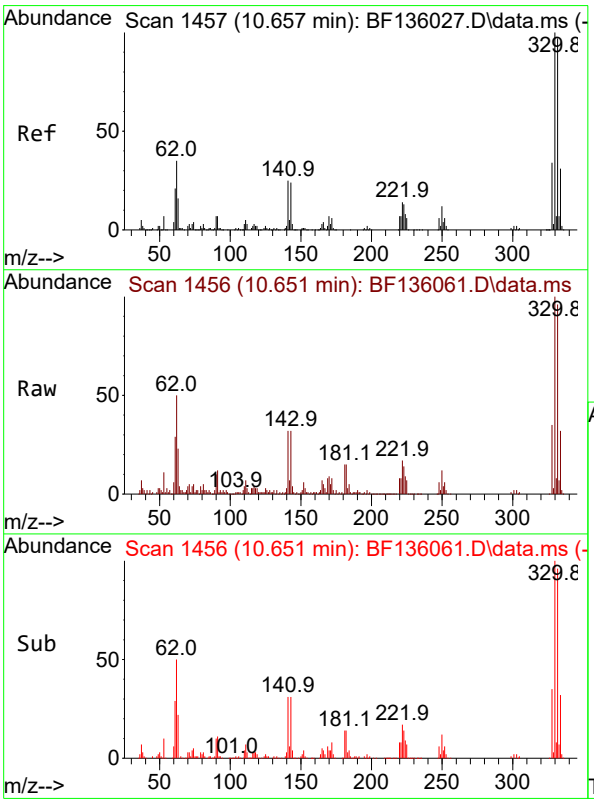
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:164 Resp: 167956

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.1	120.1
160	43.8	34.8	52.2

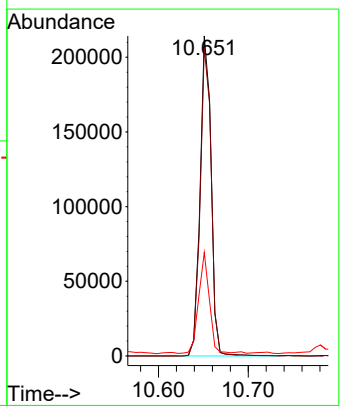


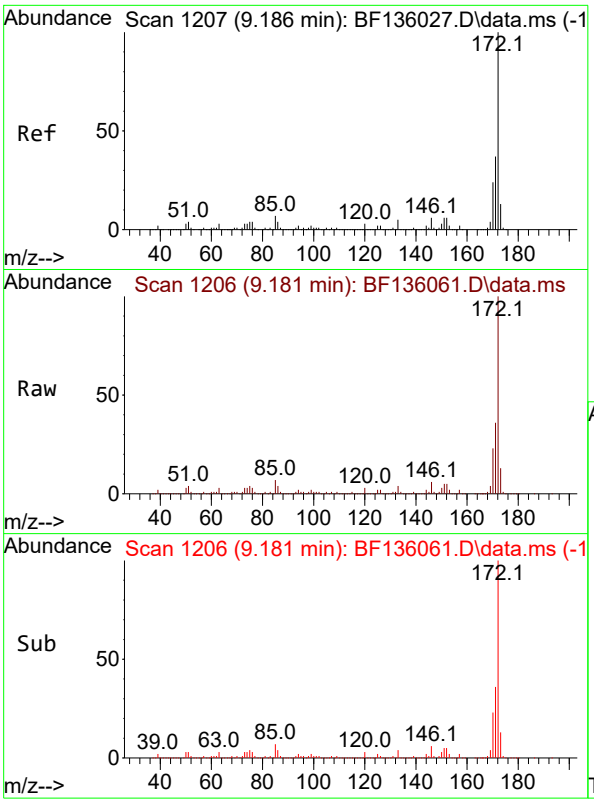


#42
2,4,6-Tribromophenol
Concen: 101.853 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:330 Resp: 182594

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	30.5	23.2	34.8



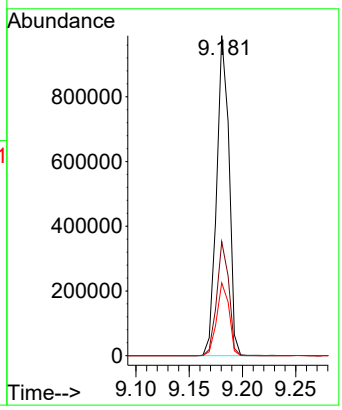


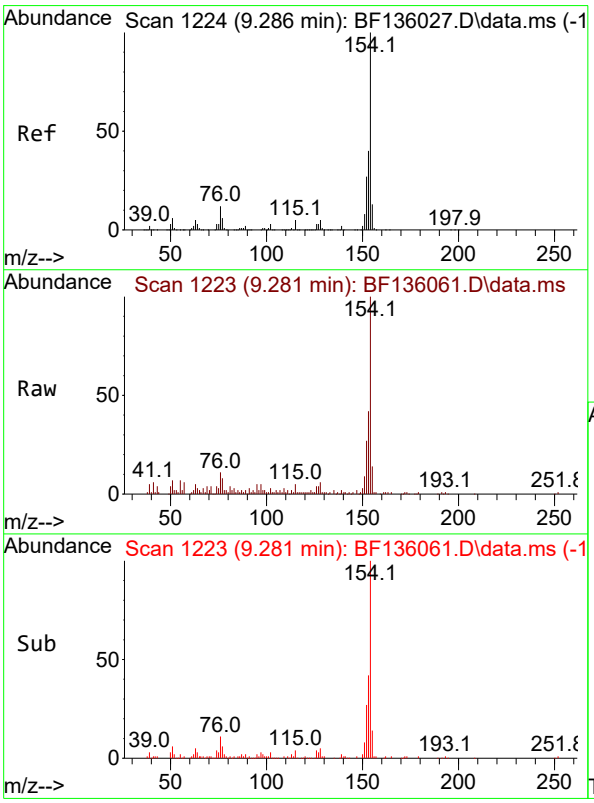
#45
2-Fluorobiphenyl
Concen: 75.375 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:172 Resp: 794155

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.8	19.3	28.9

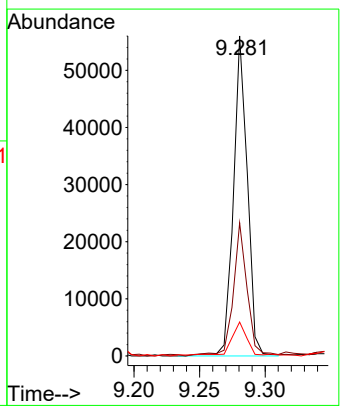


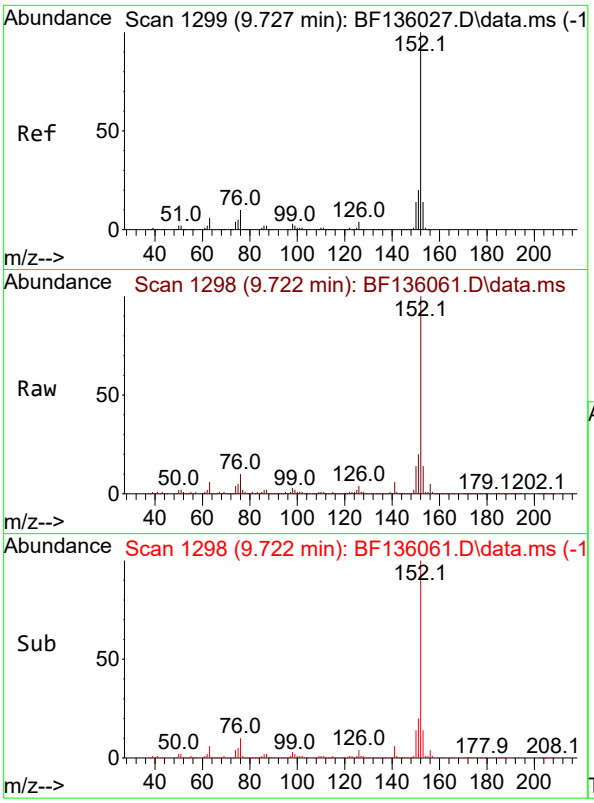


#46
1,1'-Biphenyl
Concen: 3.226 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:154 Resp: 41299

Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.1	60.1
76	10.6	0.0	32.5



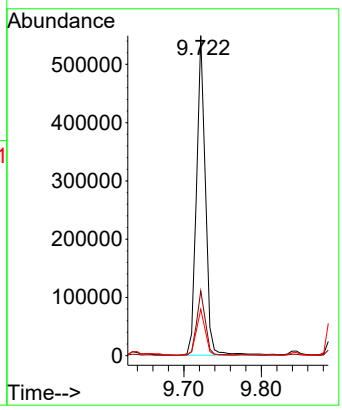


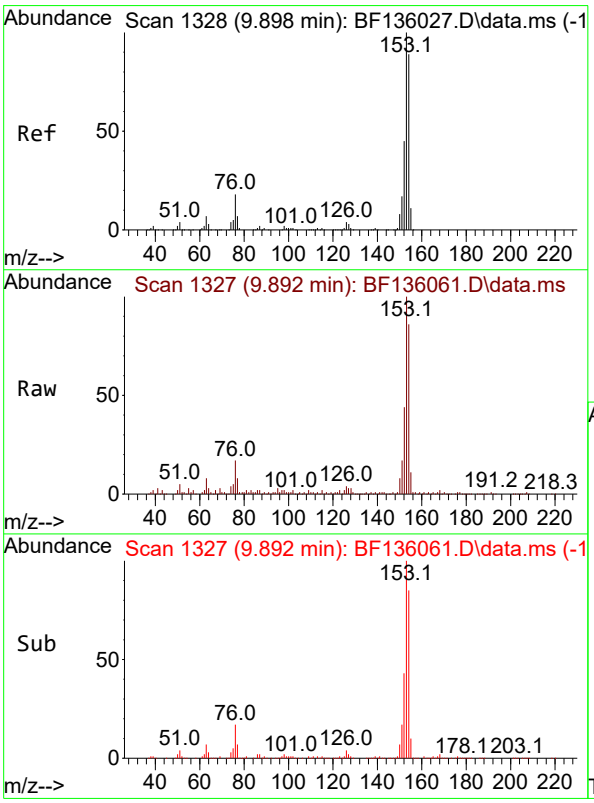
#49
Acenaphthylene
Concen: 29.919 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:152 Resp: 440545

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	14.5	11.4	17.2

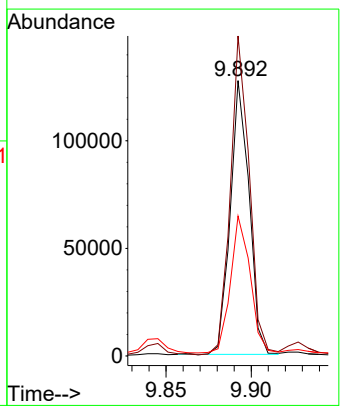


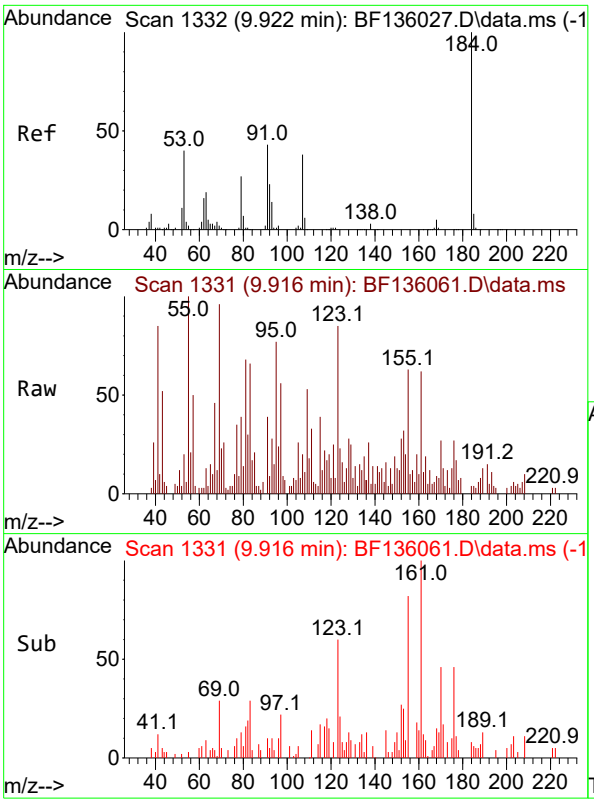


#52
Acenaphthene
Concen: 10.399 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:154 Resp: 97337

Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.9	134.9
152	50.8	40.2	60.2



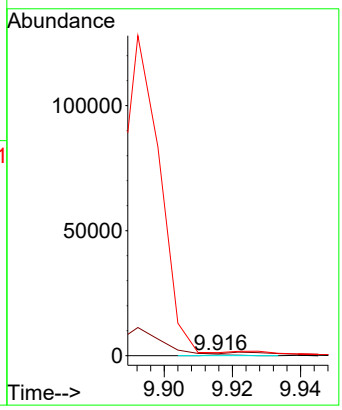


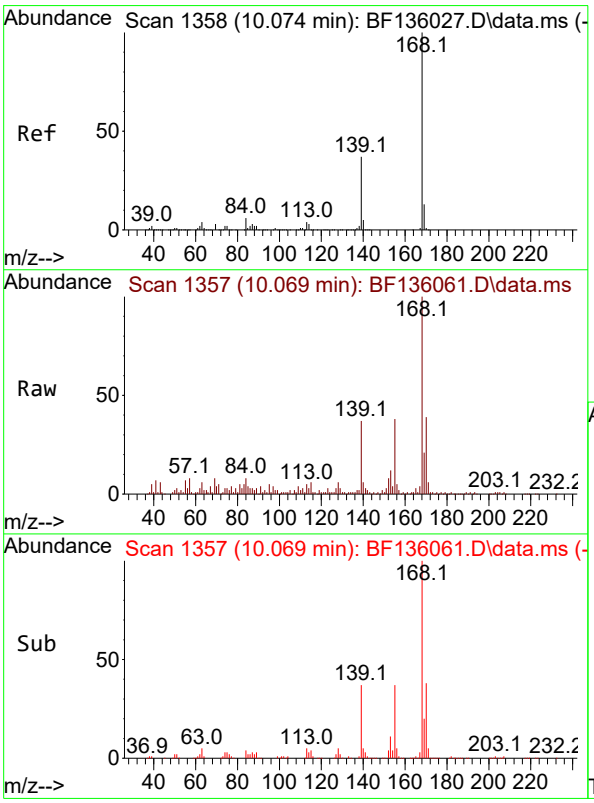
#54
2,4-Dinitrophenol
Concen: 8.087 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:184 Resp: 157

Ion	Ratio	Lower	Upper
184	100		
63	293.0	43.7	65.5#
154	448.9	51.2	76.8#

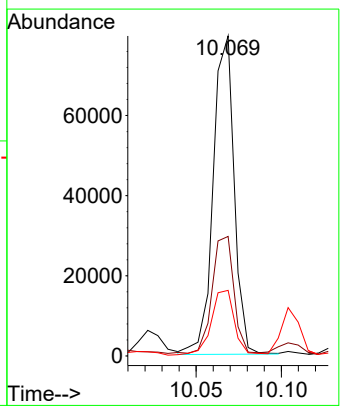


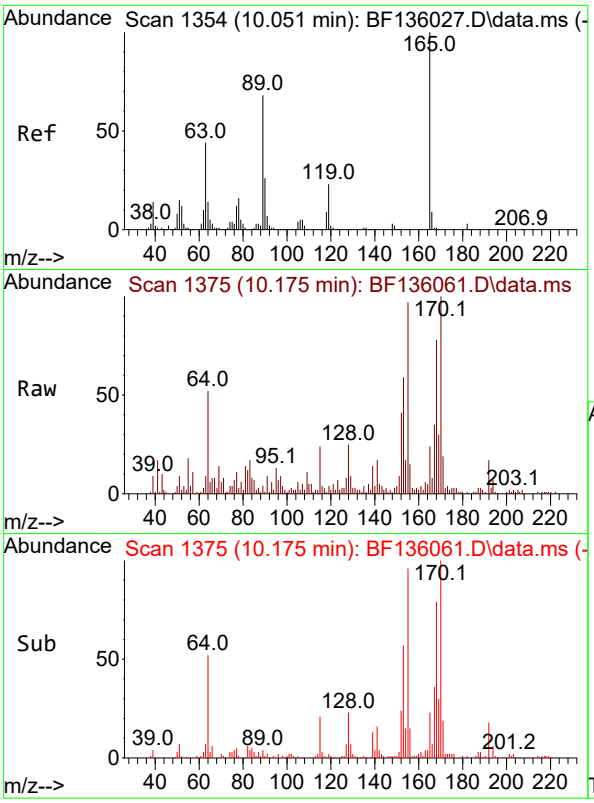


#55
Dibenzofuran
Concen: 4.989 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:168 Resp: 68095

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.4	44.0
169	20.5	10.5	15.7#



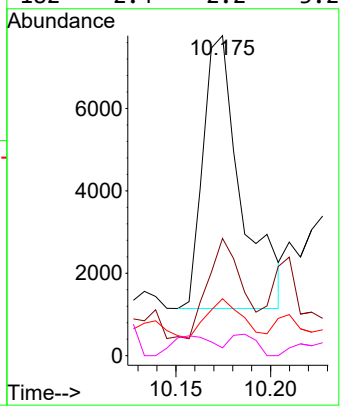


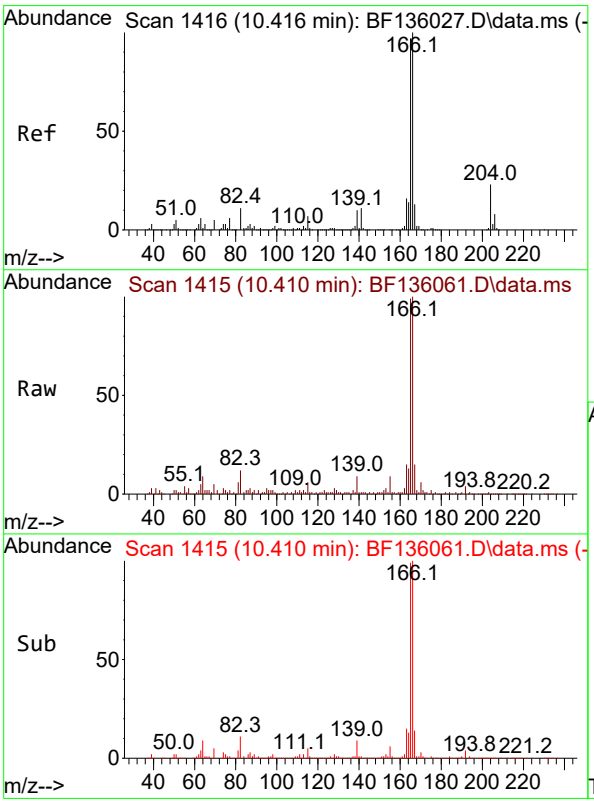
#57
2,4-Dinitrotoluene
Concen: 3.074 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.124 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:165 Resp: 9217

Ion	Ratio	Lower	Upper
165	100		
63	36.7	35.2	52.8
89	17.8	54.8	82.2#
182	2.4	2.2	3.2

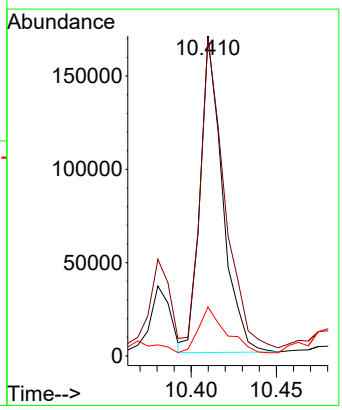


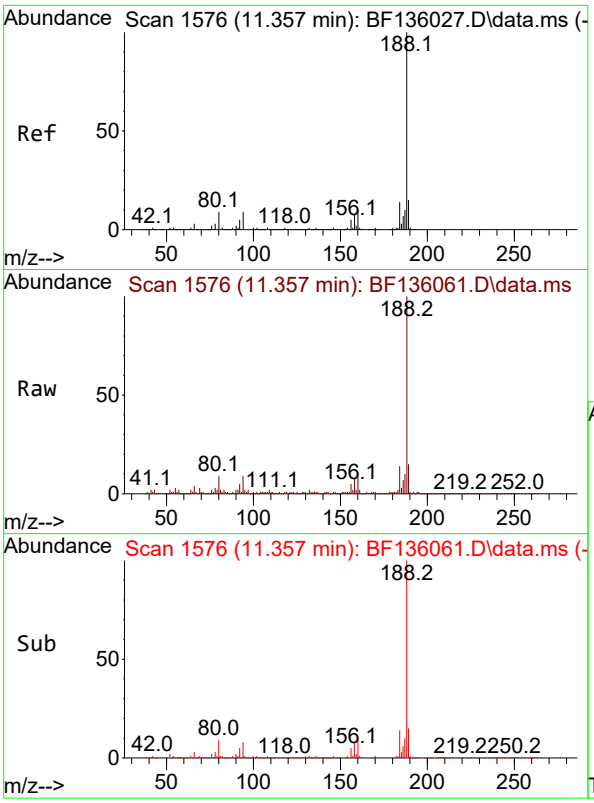


#58
Fluorene
Concen: 15.113 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:166 Resp: 154446

Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.7	116.5
167	15.3	10.6	16.0



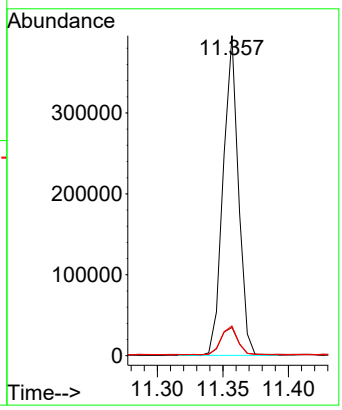


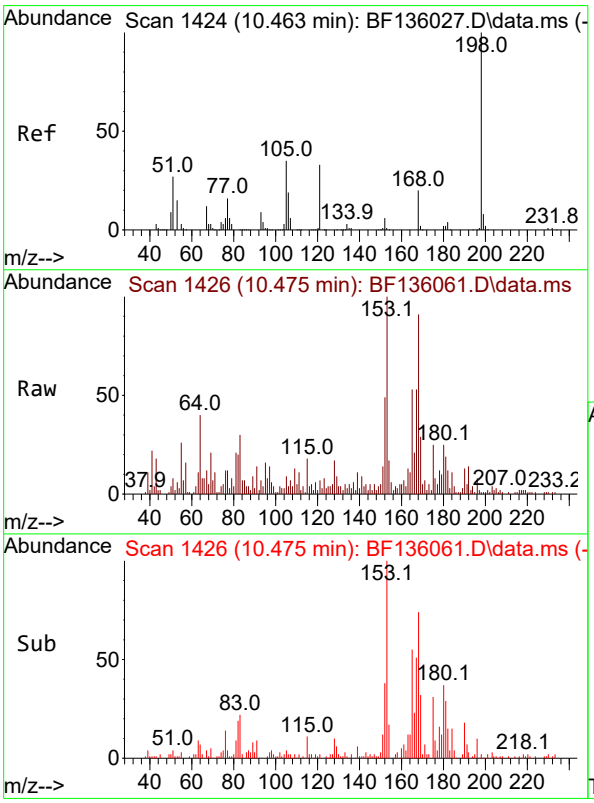
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:188 Resp: 319430

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.3	7.4	11.0

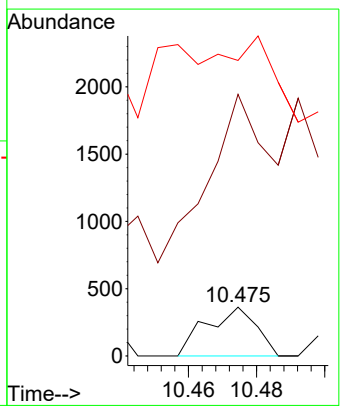


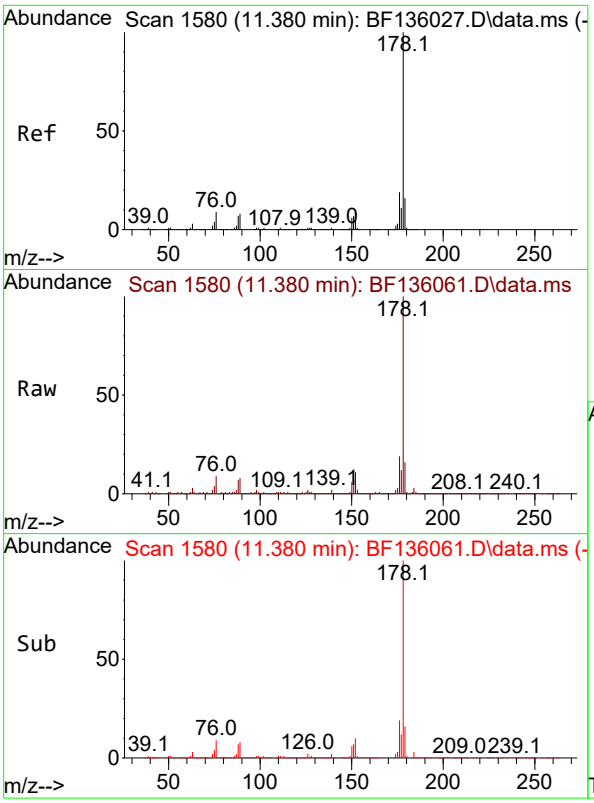


#65
4,6-Dinitro-2-methylphenol
Concen: 5.977 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.012 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:198 Resp: 371

Ion	Ratio	Lower	Upper
198	100		
51	535.5	12.9	52.9#
105	605.0	16.0	56.0#



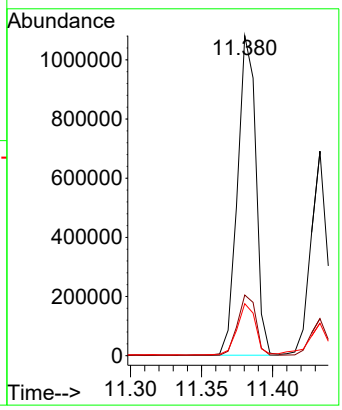


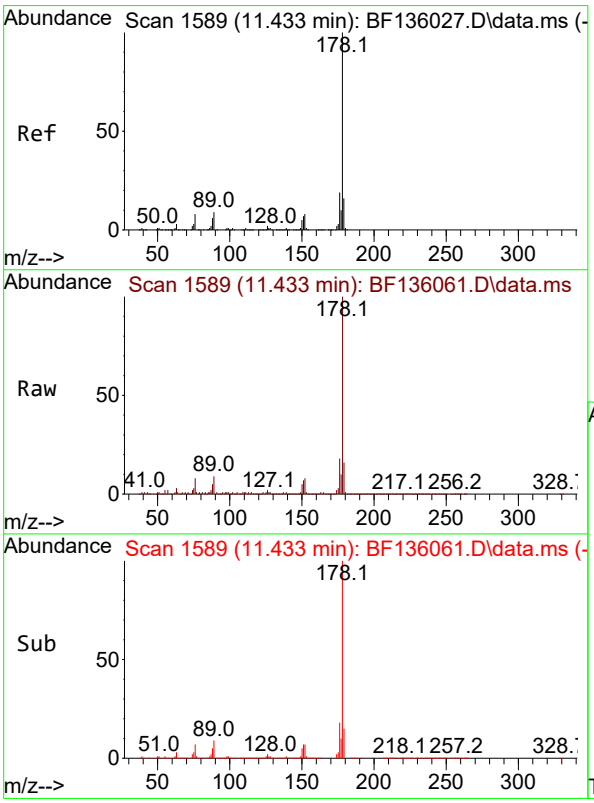
#71
Phenanthrene
Concen: 60.498 ng
RT: 11.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:178 Resp: 973017

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	16.3	12.9	19.3

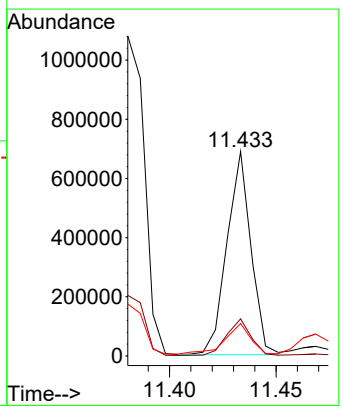


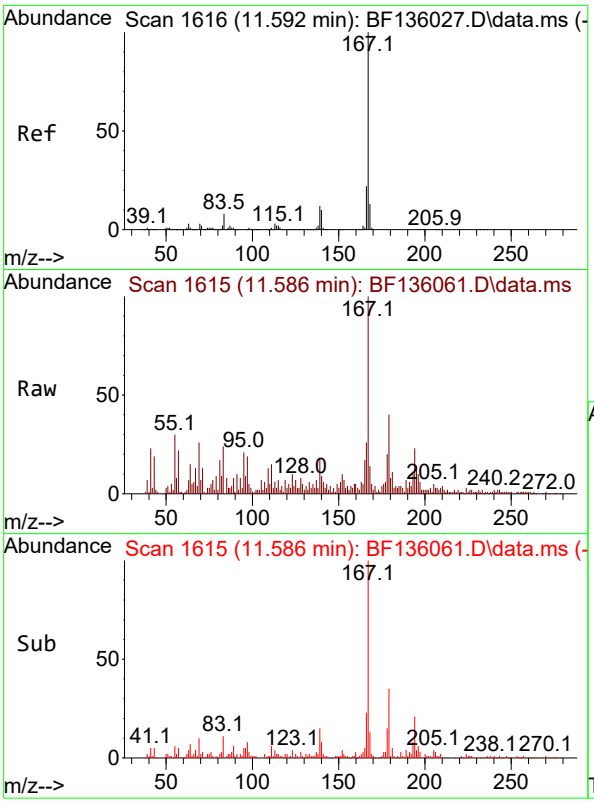


#72
Anthracene
Concen: 32.758 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:178 Resp: 539866

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.9	12.6	18.8



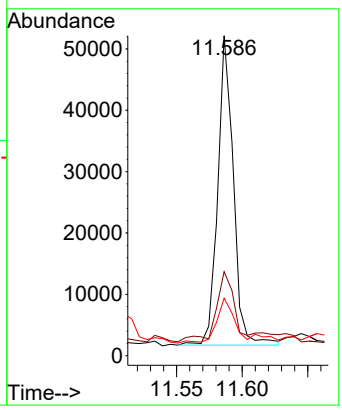


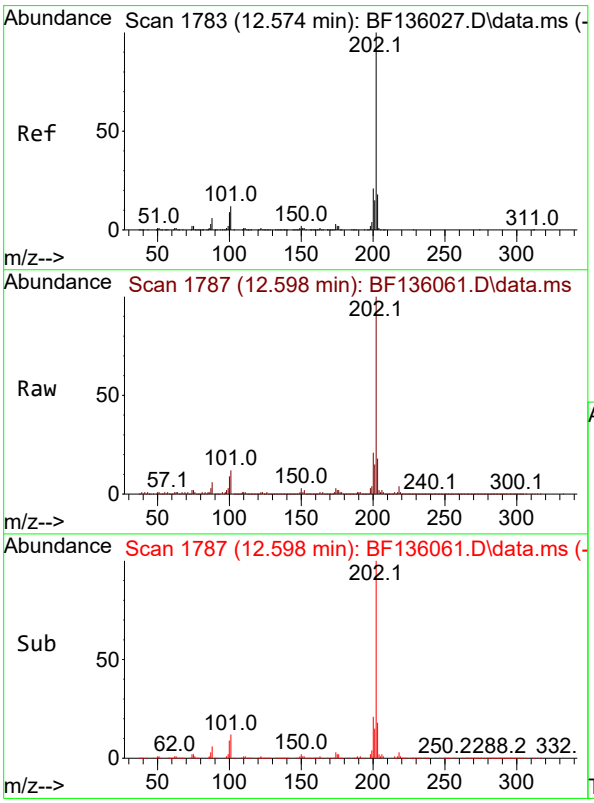
#73
Carbazole
Concen: 2.911 ng
RT: 11.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:167 Resp: 41690

Ion	Ratio	Lower	Upper
167	100		
166	26.3	17.2	25.8#
139	18.0	9.9	14.9#

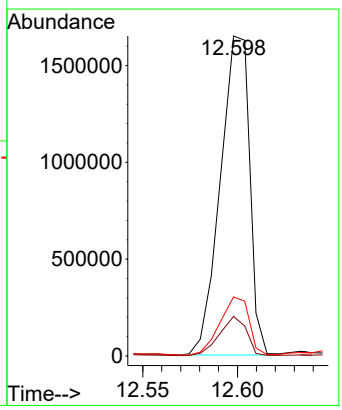


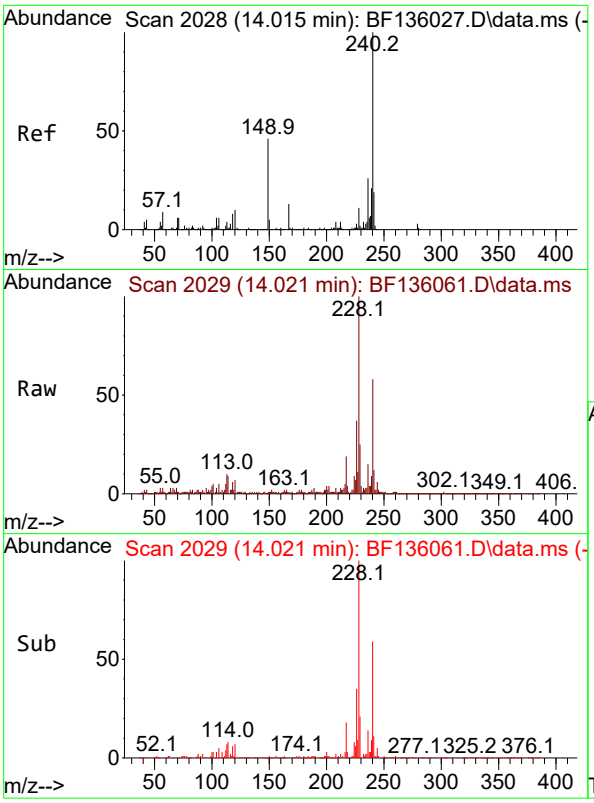


#75
Fluoranthene
Concen: 107.434 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.024 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:202 Resp: 1775081

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.8
203	18.4	0.0	37.9



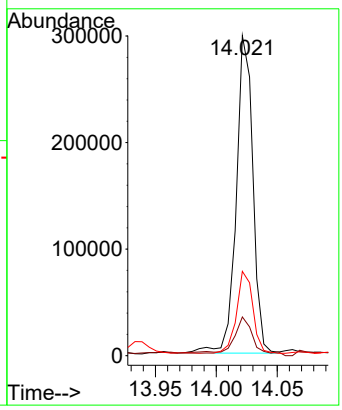


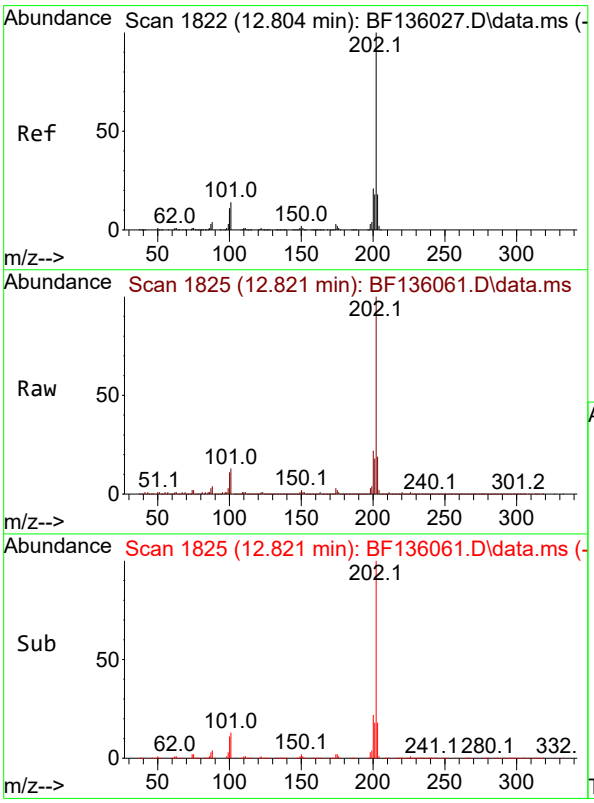
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:240 Resp: 283070

Ion	Ratio	Lower	Upper
240	100		
120	12.1	7.6	11.4#
236	26.4	20.6	31.0

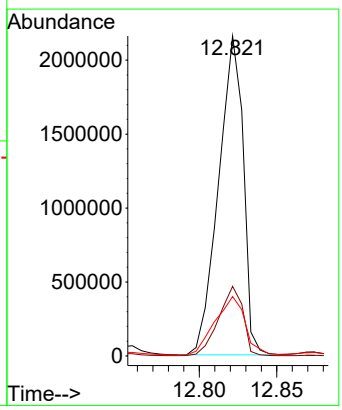


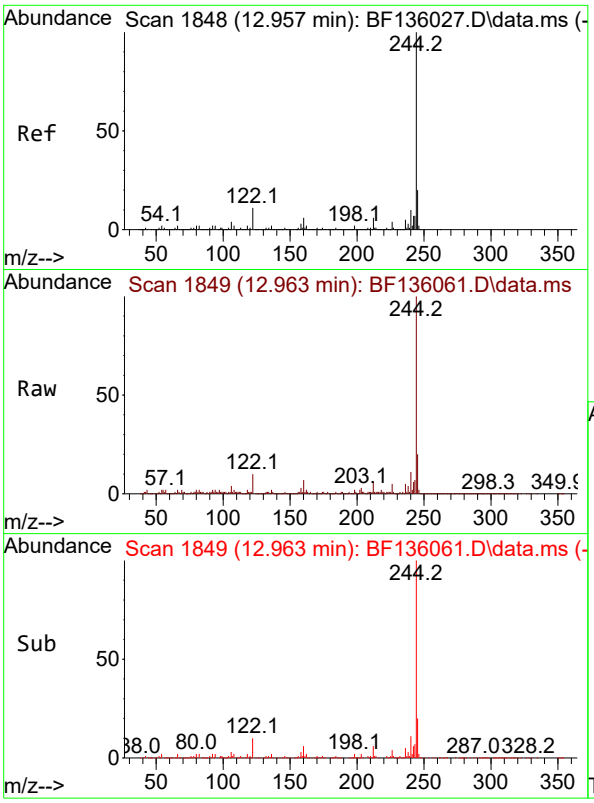


#78
Pyrene
Concen: 95.756 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:202 Resp: 2389771

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.4
203	18.6	14.4	21.6



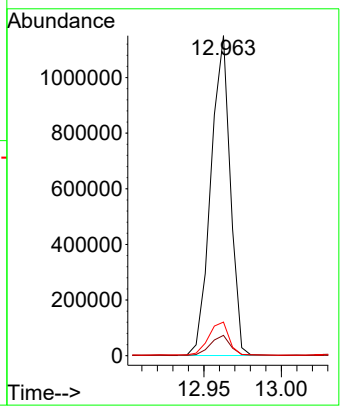


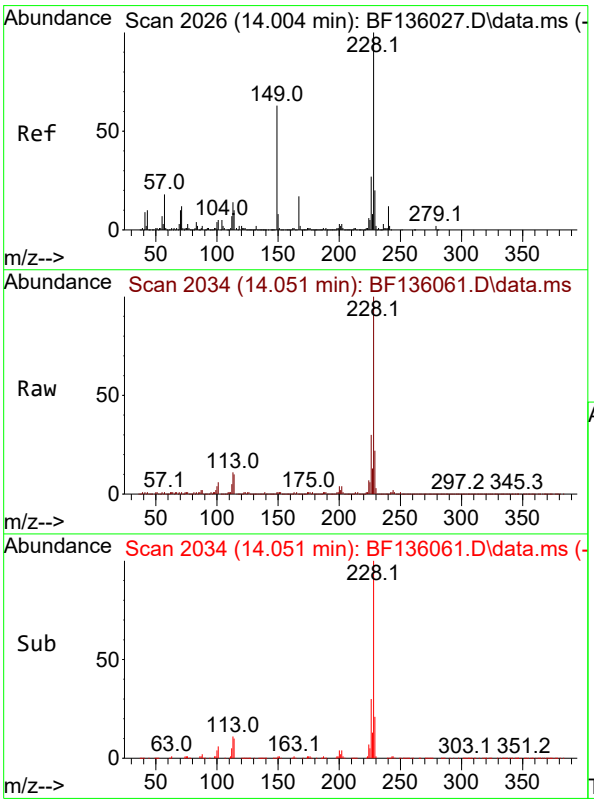
#79
Terphenyl-d14
Concen: 54.943 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:244 Resp: 1000807

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	10.5	8.6	12.8

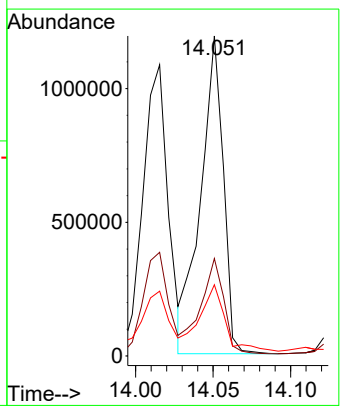


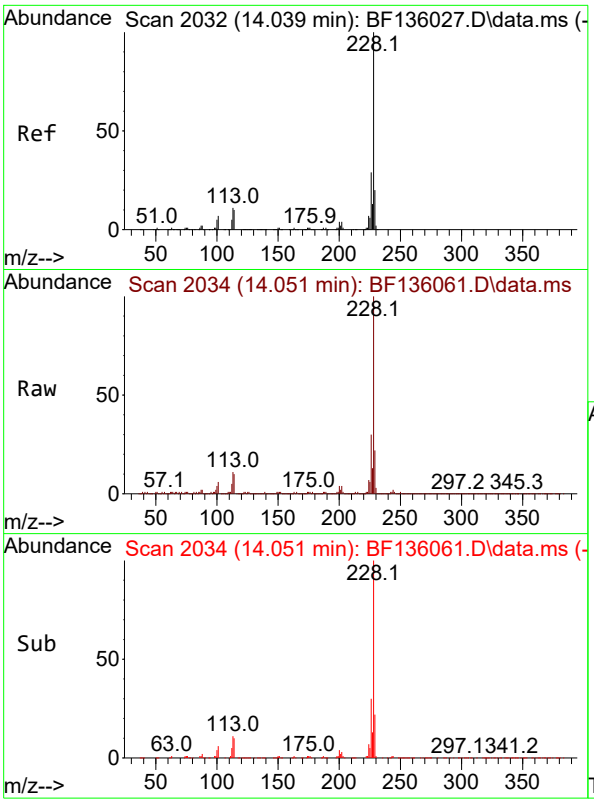


#81
Benzo(a)anthracene
Concen: 64.483 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.047 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:228 Resp: 1208421

Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.5	32.3
229	22.2	15.8	23.6



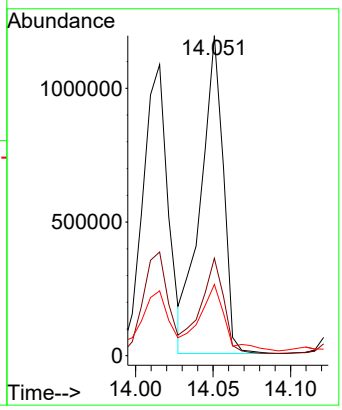


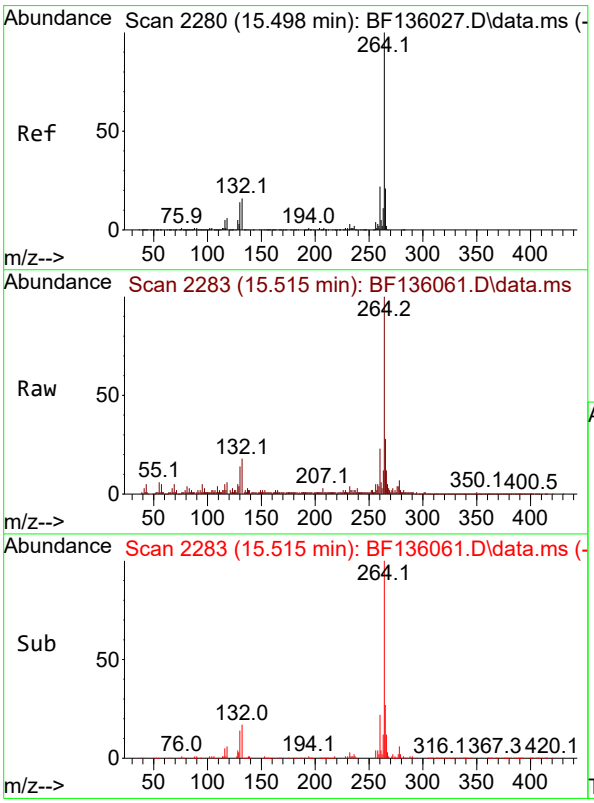
#83
Chrysene
Concen: 65.477 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:228 Resp: 1208421

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	22.2	16.0	24.0

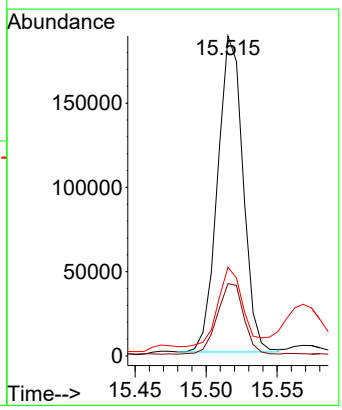


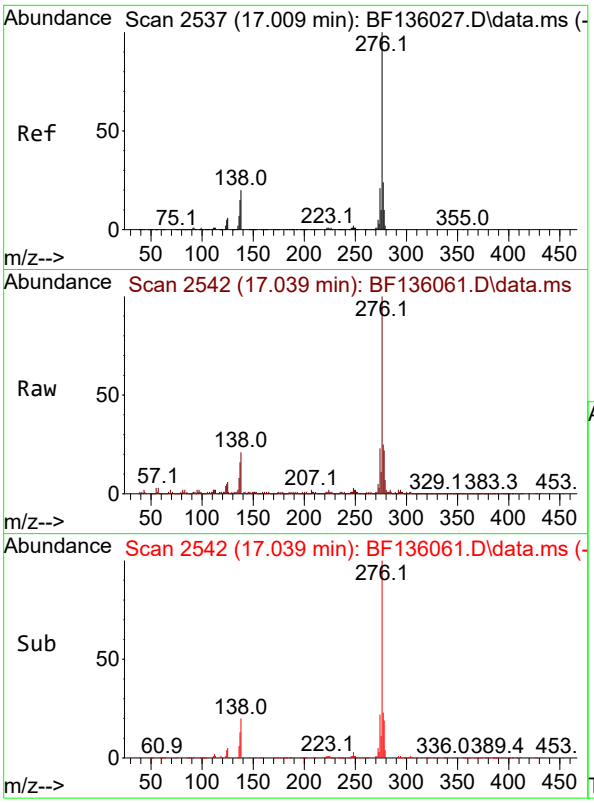


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:264 Resp: 233636

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.9	26.9
265	27.7	16.8	25.2#



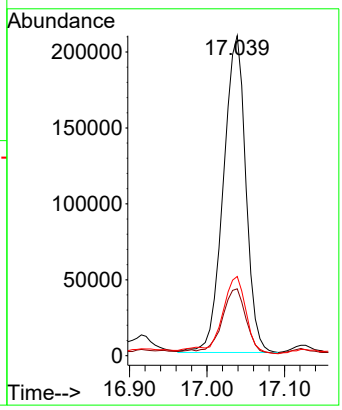


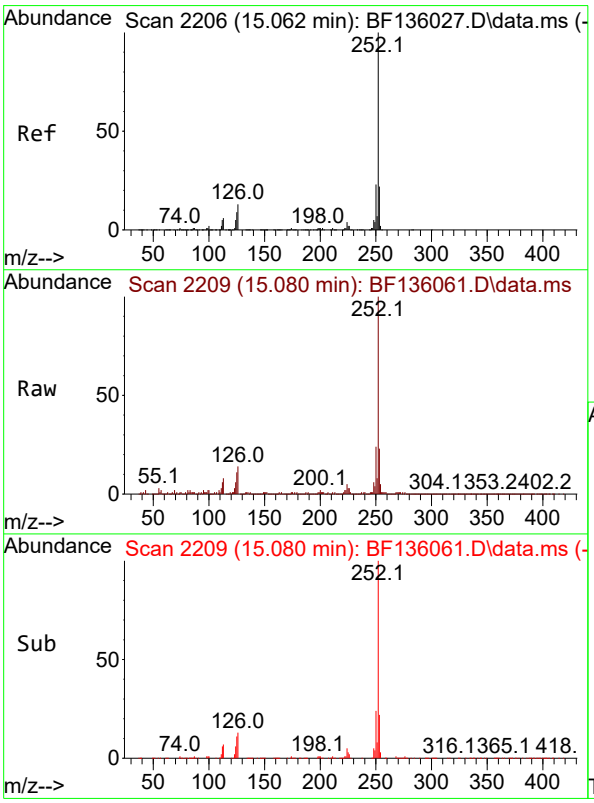
#87
Indeno(1,2,3-cd)pyrene
Concen: 27.555 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:276 Resp: 420753

Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	24.8	20.2	30.2

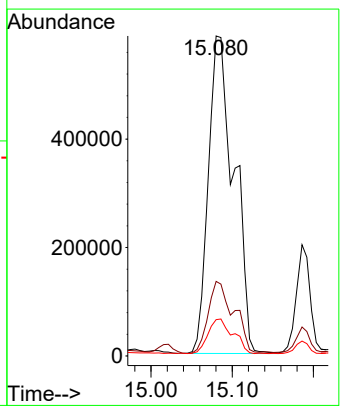


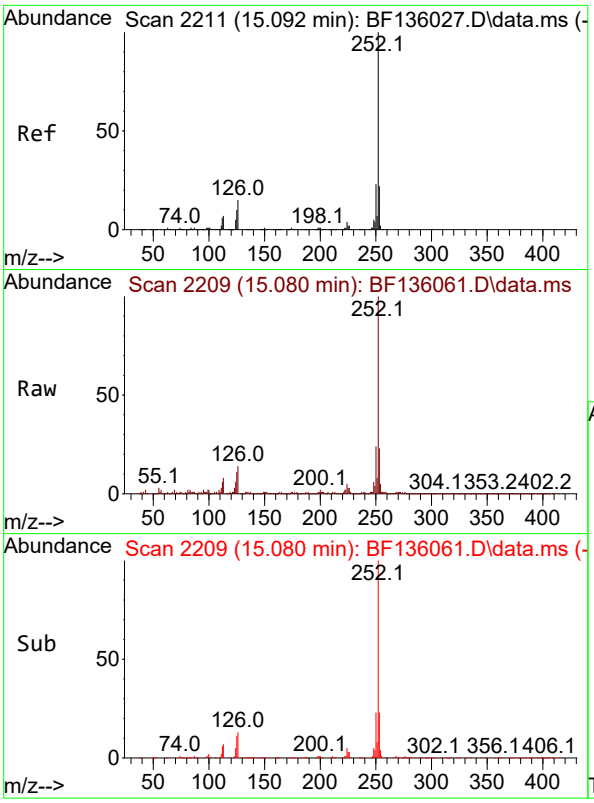


#88
Benzo(b)fluoranthene
Concen: 93.066 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:252 Resp: 1286605

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.4	7.5	11.3#



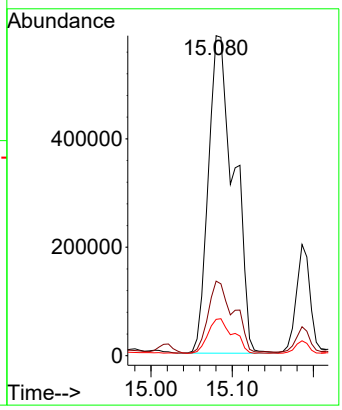


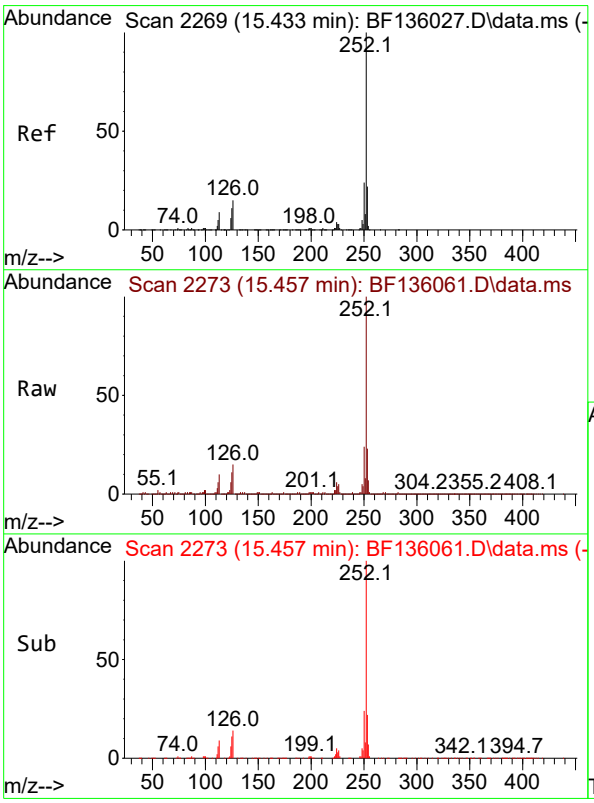
#89
Benzo(k)fluoranthene
Concen: 94.059 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:252 Resp: 1286605

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	11.4	8.0	12.0

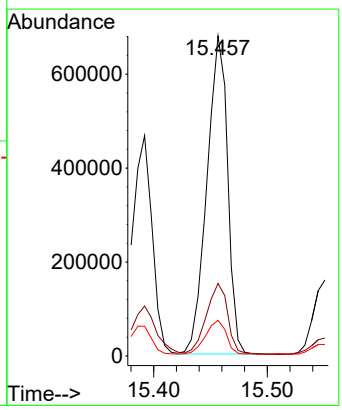


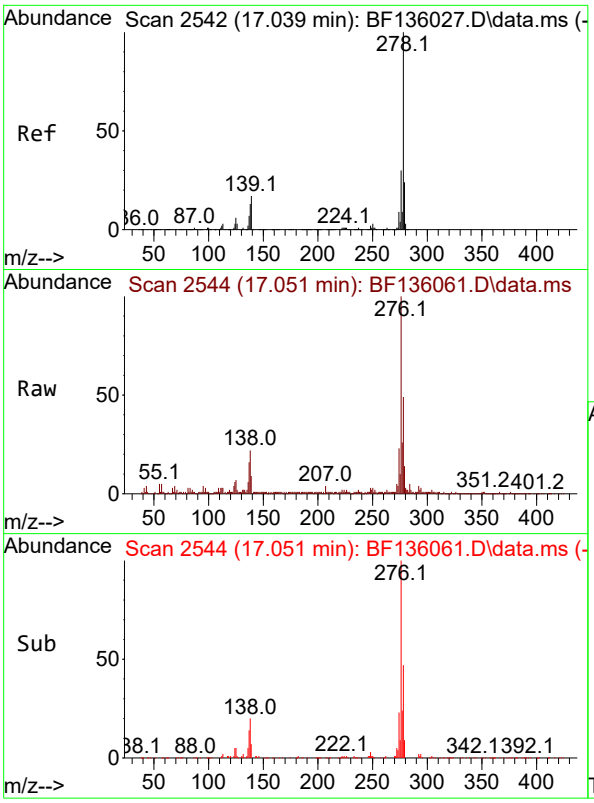


#90
Benzo(a)pyrene
Concen: 66.848 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.024 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:252 Resp: 858671

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	11.2	9.0	13.6



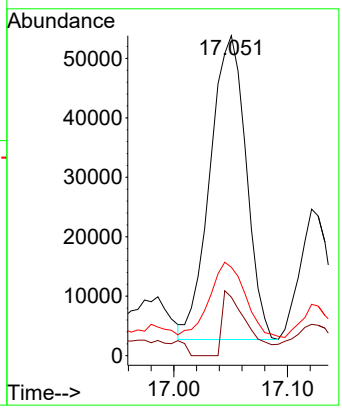


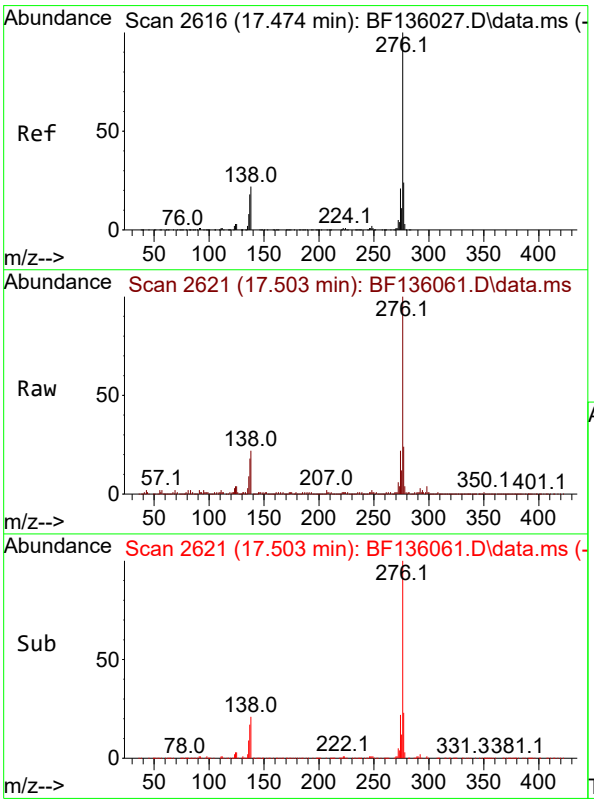
#91
Dibenzo(a,h)anthracene
Concen: 9.003 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:278 Resp: 112613

Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.7	20.5
279	27.6	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 32.541 ng
RT: 17.503 min Scan# 2621
Delta R.T. 0.029 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:276 Resp: 449269

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.5	17.4	26.2