Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108756.D
Acq On : 4 Sep 2018 22:11
Operator : JU/SJ
Sample : J4748-06 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 05 03:13:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	50549	20.00	ng		-0.01
21) Naphthalene-d8	8.27	136	250391	20.00	ng		-0.01
38) Acenaphthene-d10	10.03	164	122407	20.00	ng		-0.02
63) Phenanthrene-d10	11.53	188	262959	20.00	ng		-0.02
75) Chrysene-d12	14.19	240	194001	20.00	ng		-0.01
86) Perylene-d12	15.74	264	141823	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	111	0.04	ng		0.05
7) Phenol-d6	6.74	99	8231	1.98	ng		0.09
23) Nitrobenzene-d5	7.64	82	12129	2.46	ng		0.06
41) 2,4,6-Tribromophenol	10.84	330	9305	5.76	ng		-0.01
44) 2-Fluorobiphenyl	9.35	172	46320	5.09	ng		-0.01
78) Terphenyl-d14	13.11	244	59681	5.98	ng		-0.02
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	10.03	165	15084	7.099	ng	#	24
56) 2,4-Dinitrotoluene	10.03	165	15602	5.546	ng	#	21
70) Phenanthrene	11.55	178	137300	10.344	ng		97
71) Anthracene	11.55	178	137300	9.845	ng		98
72) Carbazole	11.79	167	51025	3.784	ng		97
74) Fluoranthene	12.75	202	785707	52.590	ng		93
77) Pyrene	12.98	202	586564	40.221	ng		99
80) Benzo(a)anthracene	14.18	228	210127	17.767	ng		98
82) Chrysene	14.21	228	311057	27.349	ng		98
83) Bis(2-ethylhexyl)phthalate	14.12	149	39371	4.995	ng	#	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	158870	20.089	ng	#	83
87) Benzo(b)fluoranthene	15.28	252	504794	57.942	ng		97
88) Benzo(k)fluoranthene	15.28	252	504794	58.491	ng	#	97
89) Benzo(a)pyrene	15.68	252	189051	24.012	ng		97
90) Dibenzo(a,h)anthracene	17.15	278	20098	3.196	ng		92
91) Benzo(g,h,i)perylene	17.85	276	165619	27.100	ng	#	89

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

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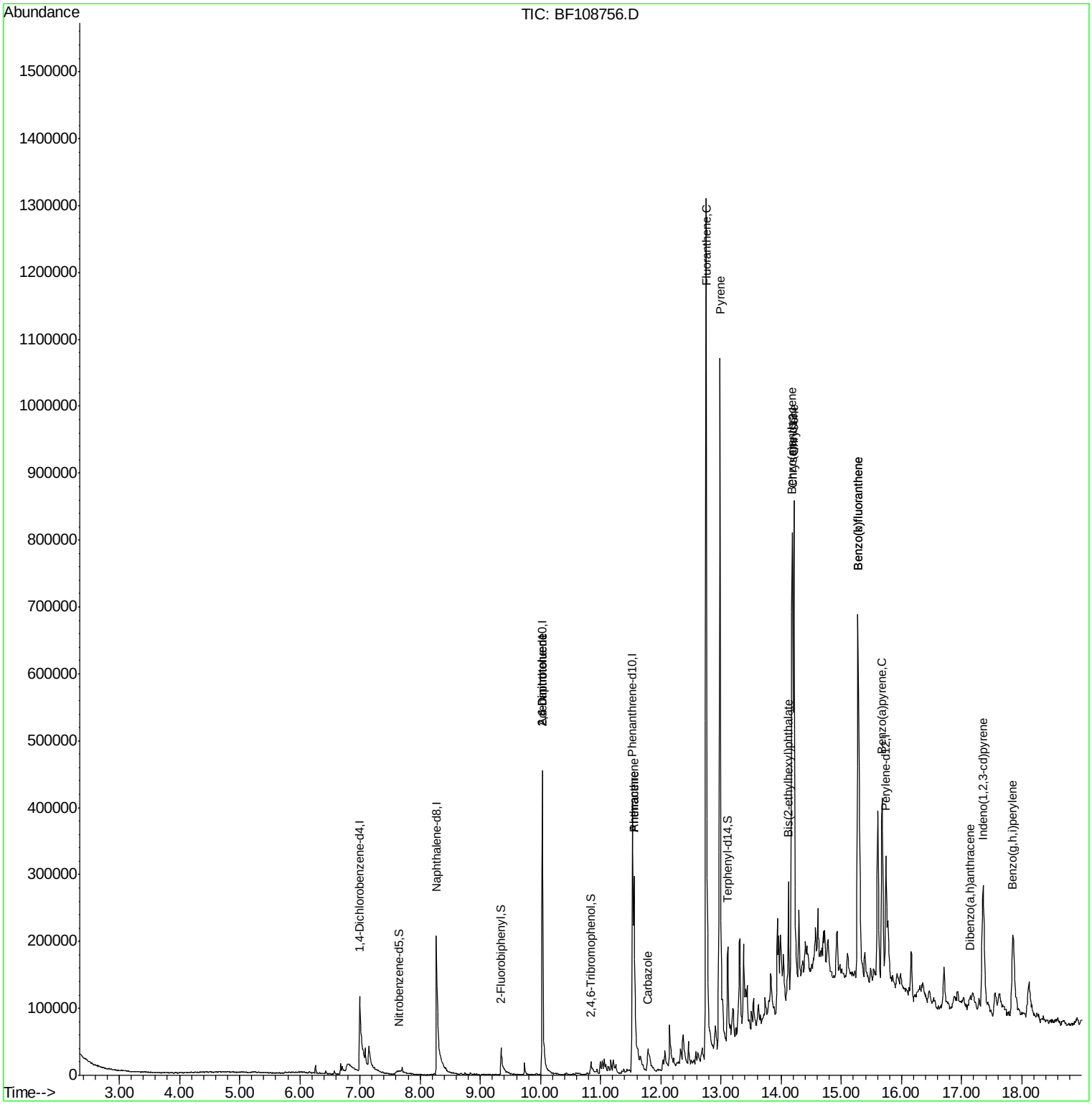
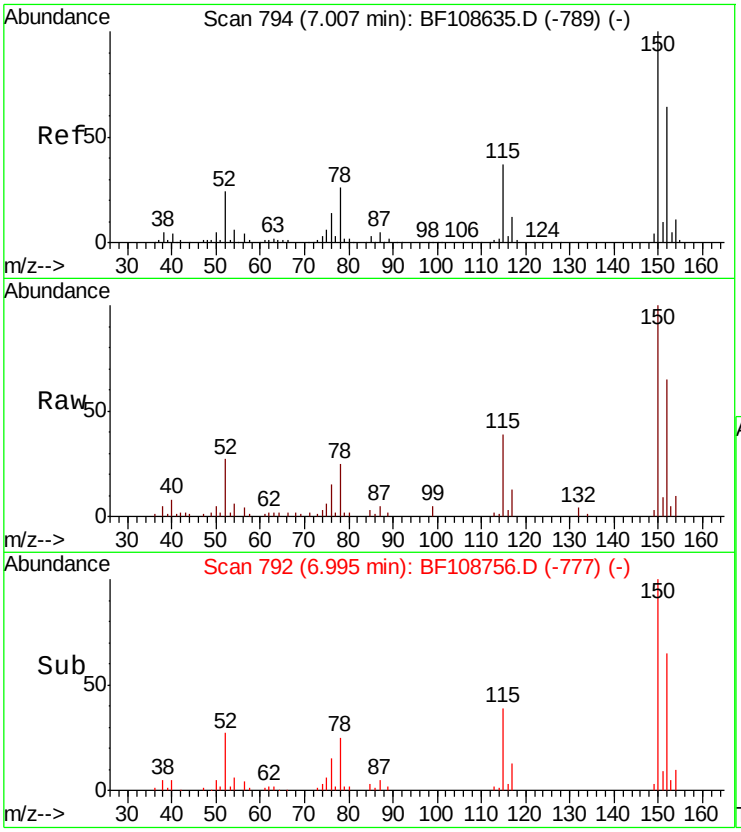


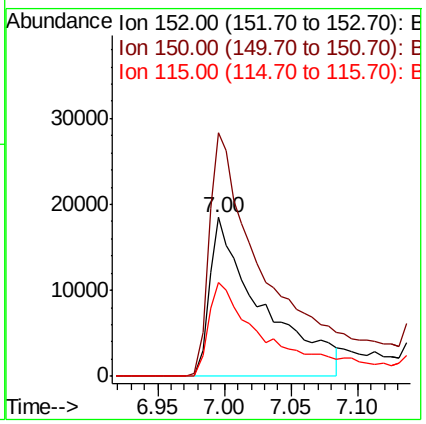


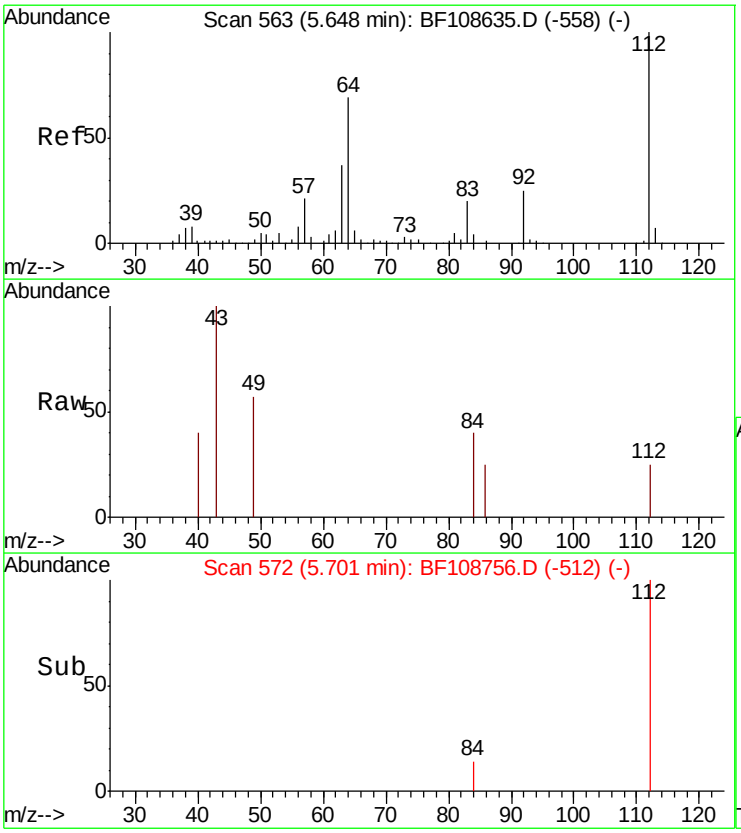
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 50549

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	59.4	50.1	75.1

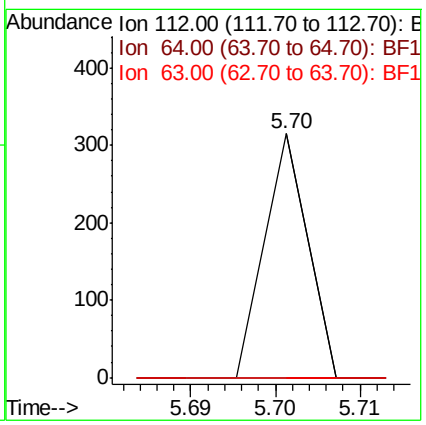


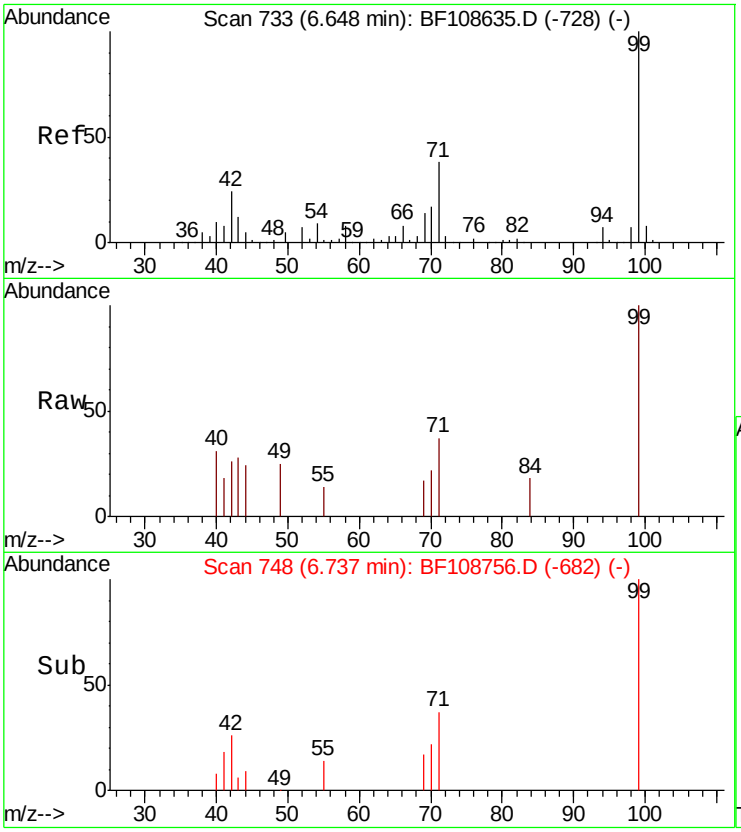


#5
2-Fluorophenol
Concen: 0.038 ng
RT: 5.70 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:112 Resp: 111

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#



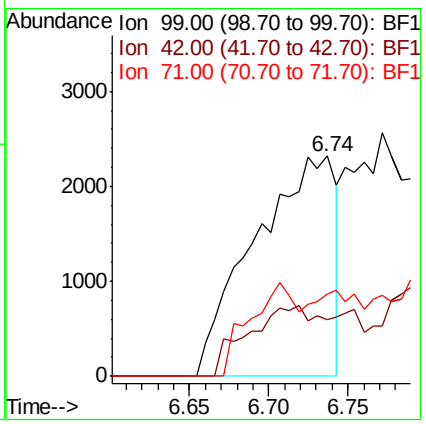


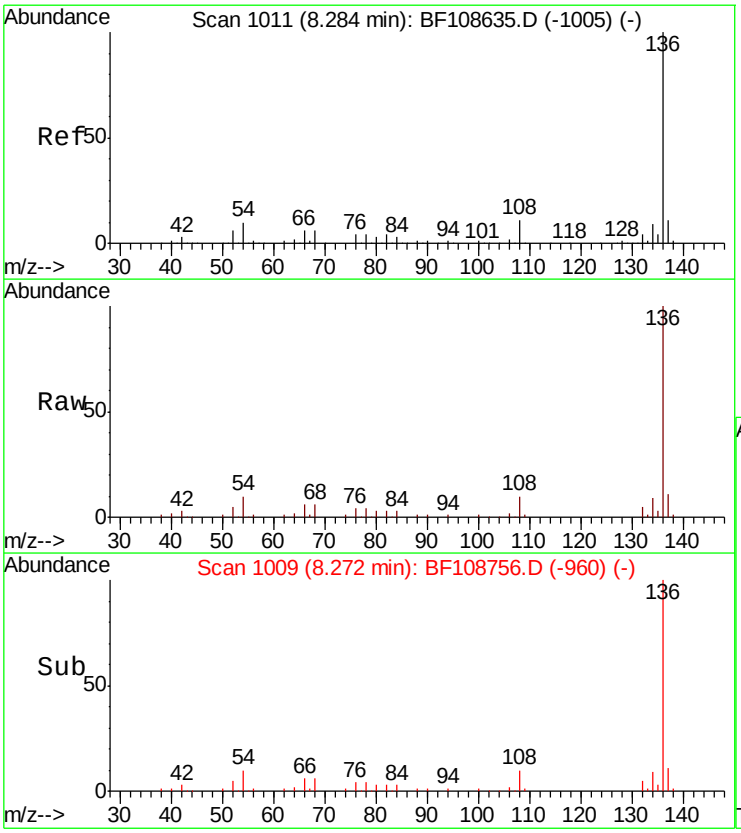
#7
Phenol-d6
Concen: 1.975 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.09 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 8231

Ion	Ratio	Lower	Upper
99	100		
42	26.0	14.5	21.7#
71	37.2	25.4	38.0

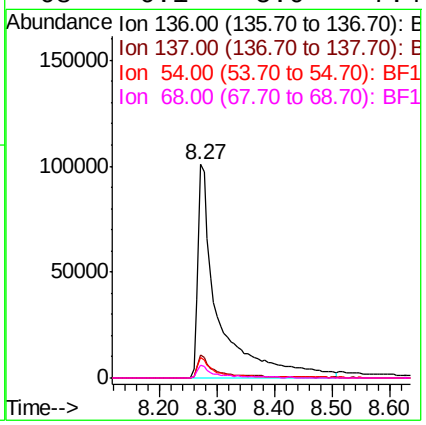


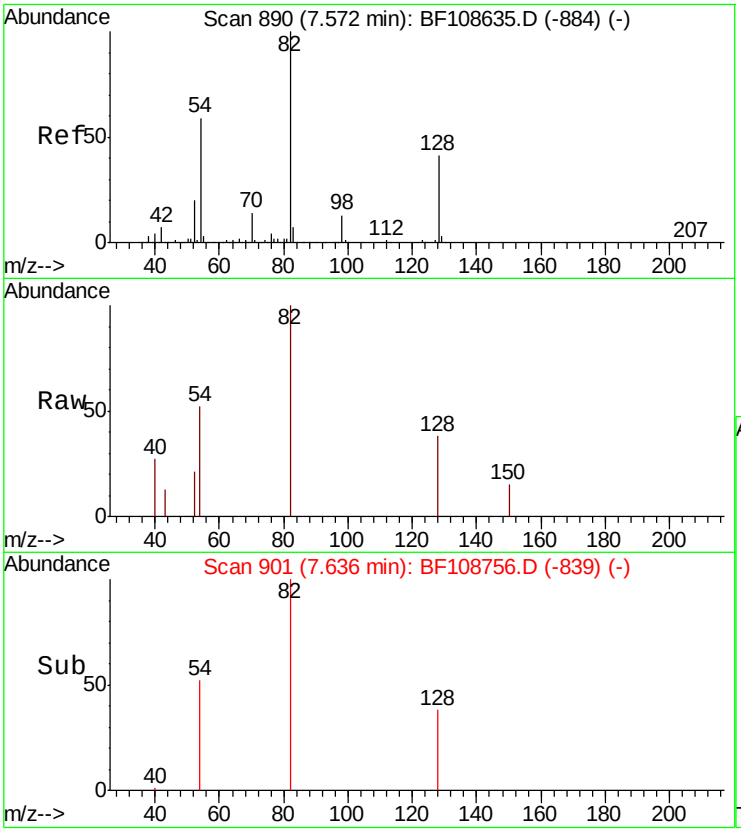


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:136 Resp: 250391

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.7	6.6	9.8
68	6.1	5.0	7.4



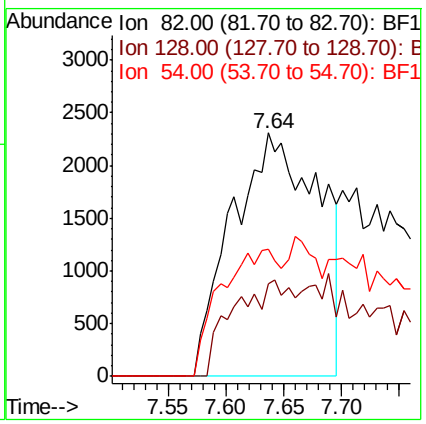


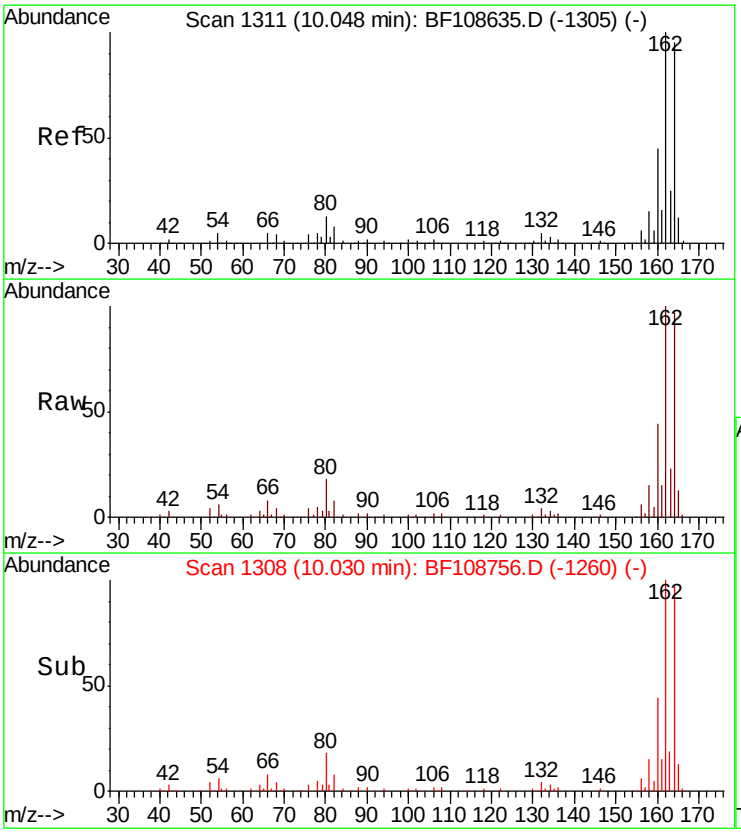
#23
Nitrobenzene-d5
Concen: 2.459 ng
RT: 7.64 min Scan# 901
Delta R.T. 0.06 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 12129

Ion	Ratio	Lower	Upper
82	100		
128	38.1	36.1	54.1
54	52.1	41.4	62.2

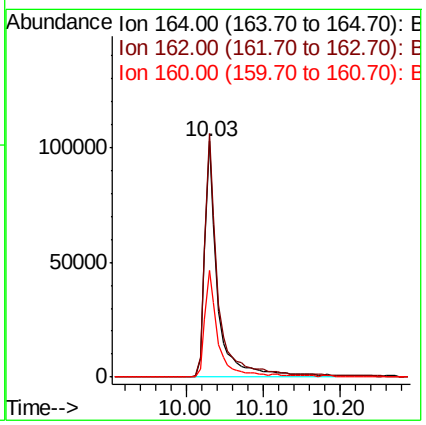


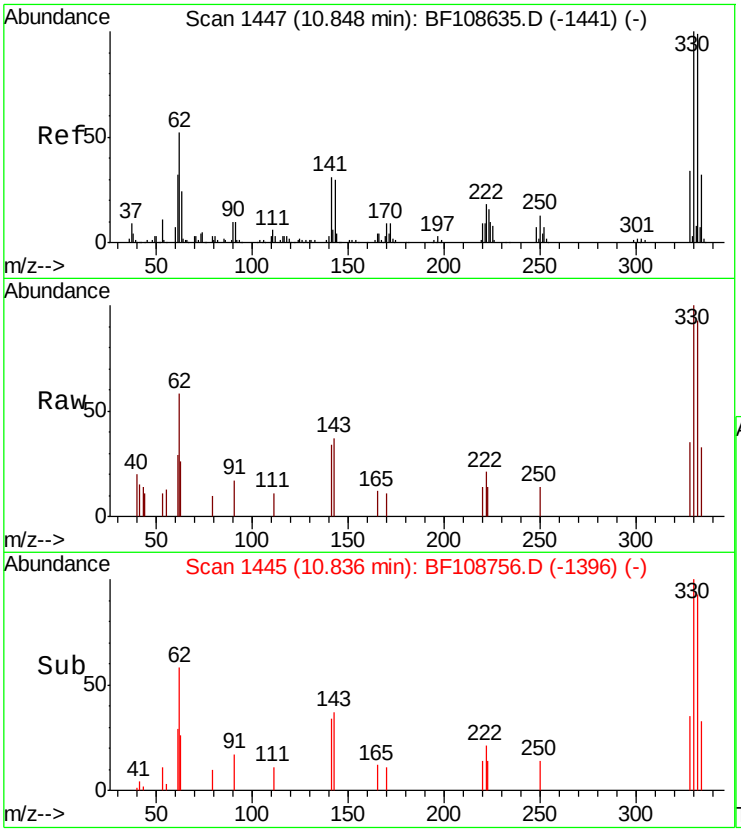


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:164 Resp: 122407

Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	45.2	38.3	57.5



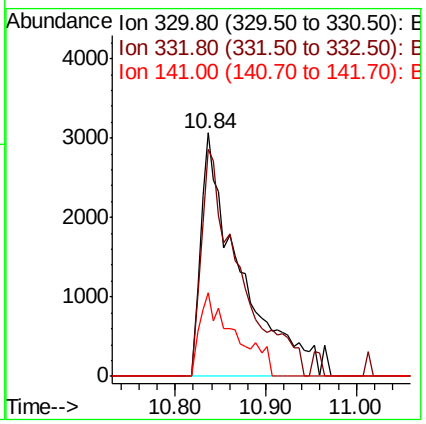


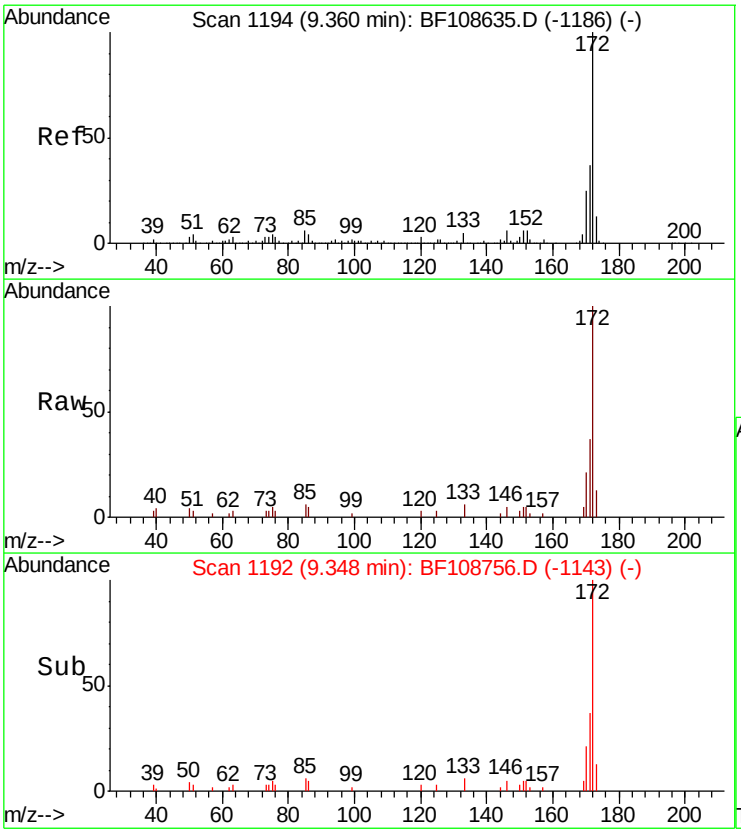
#41
2,4,6-Tribromophenol
Concen: 5.758 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 9305

Ion	Ratio	Lower	Upper
330	100		
332	89.5	77.0	115.6
141	26.4	29.9	44.9#

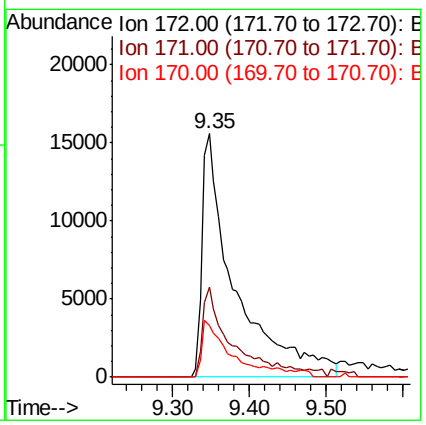


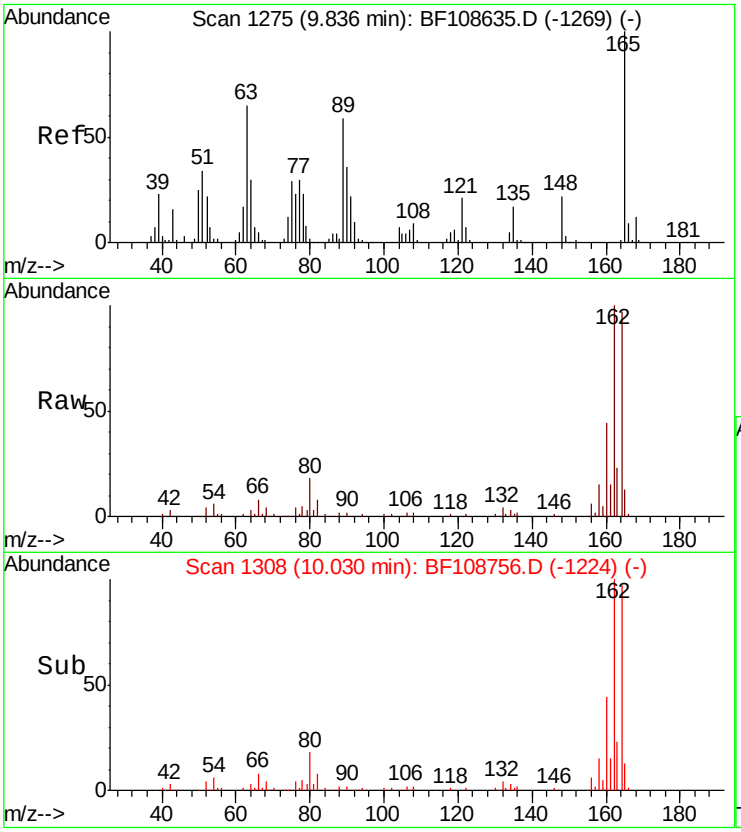


#44
2-Fluorobiphenyl
Concen: 5.088 ng
RT: 9.35 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:172 Resp: 46320

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	21.1	19.6	29.4



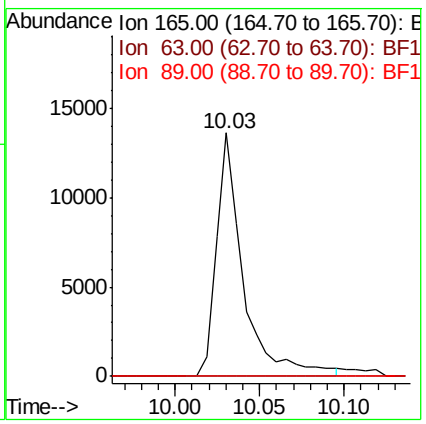


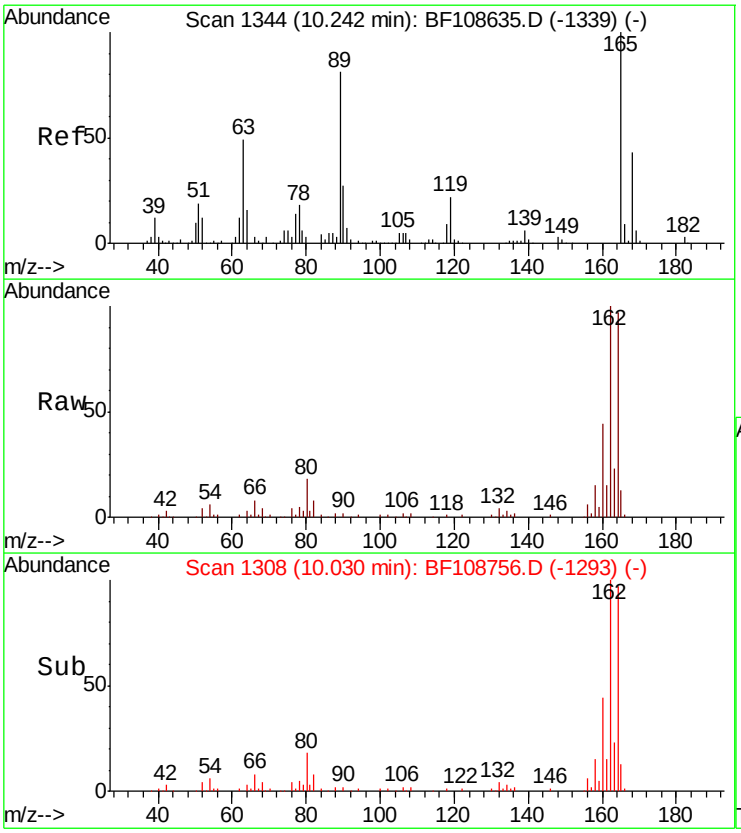
#50
2,6-Dinitrotoluene
Concen: 7.099 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.19 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 15084

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

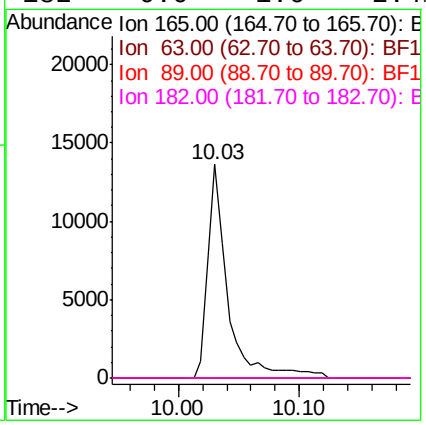


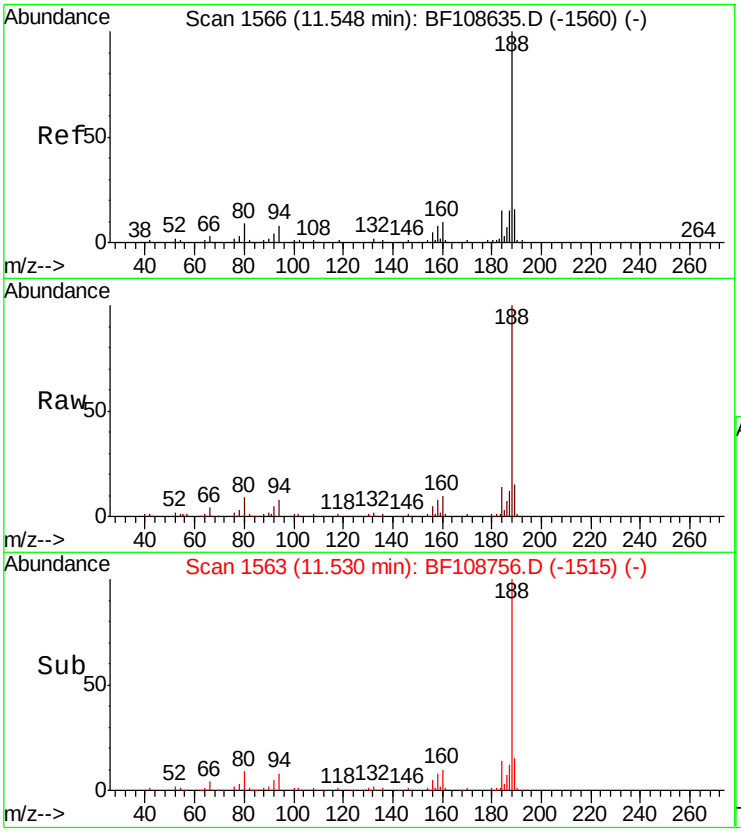


#56
2,4-Dinitrotoluene
Concen: 5.546 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.21 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:165 Resp: 15602

Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



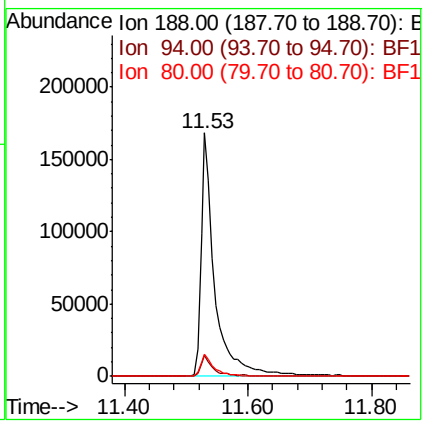


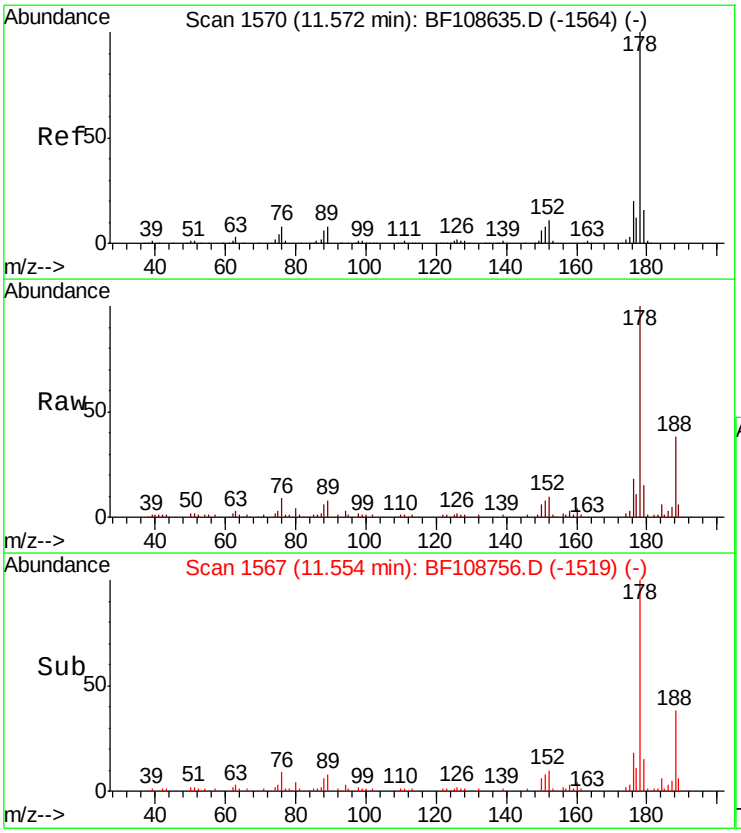
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 262959

Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.3	9.2	13.8

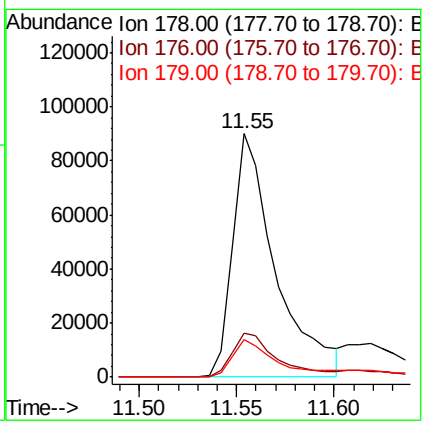


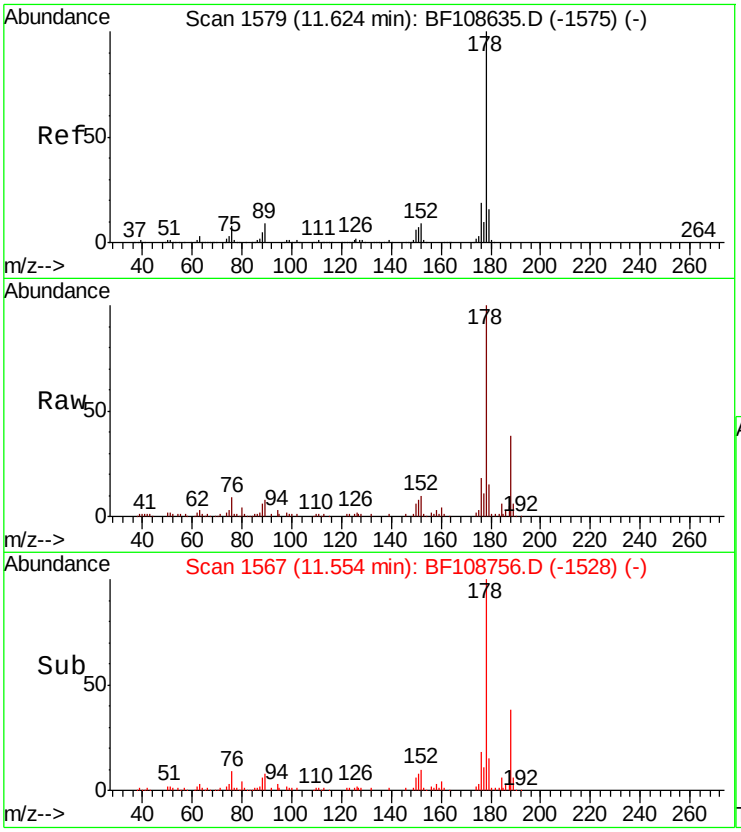


#70
Phenanthrene
Concen: 10.344 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:178 Resp: 137300

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.2	13.0	19.6



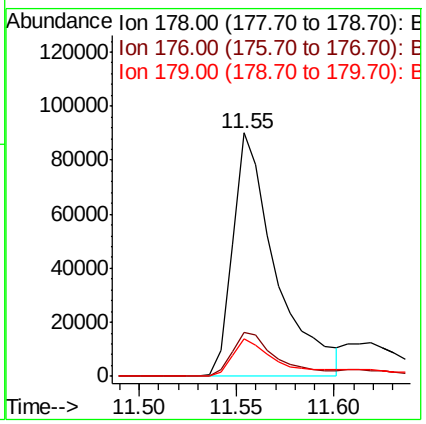


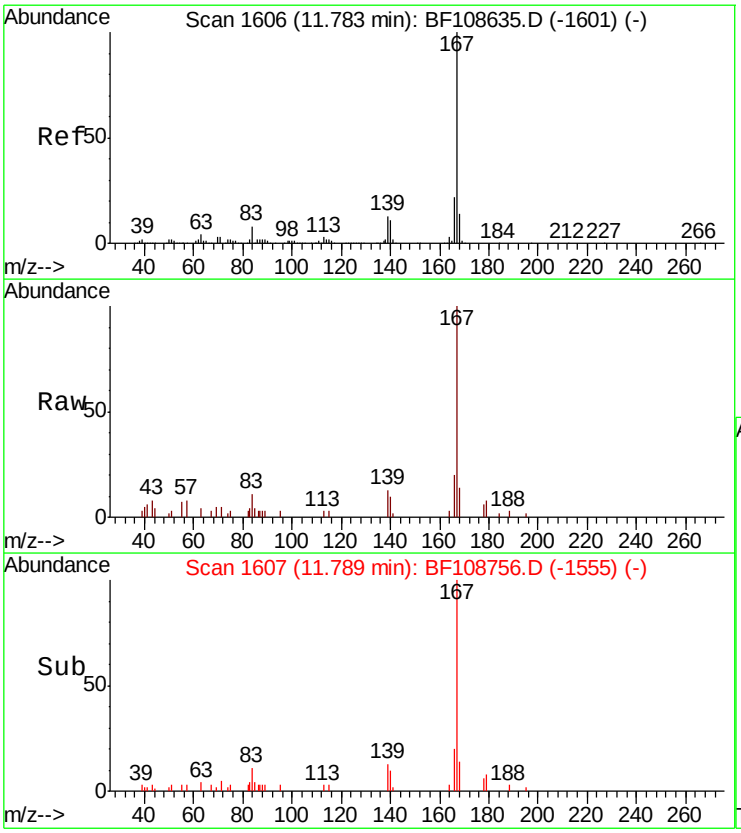
#71
Anthracene
Concen: 9.845 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.07 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 137300

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.2	12.6	19.0

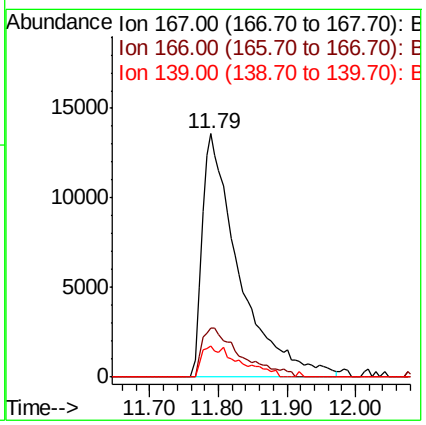


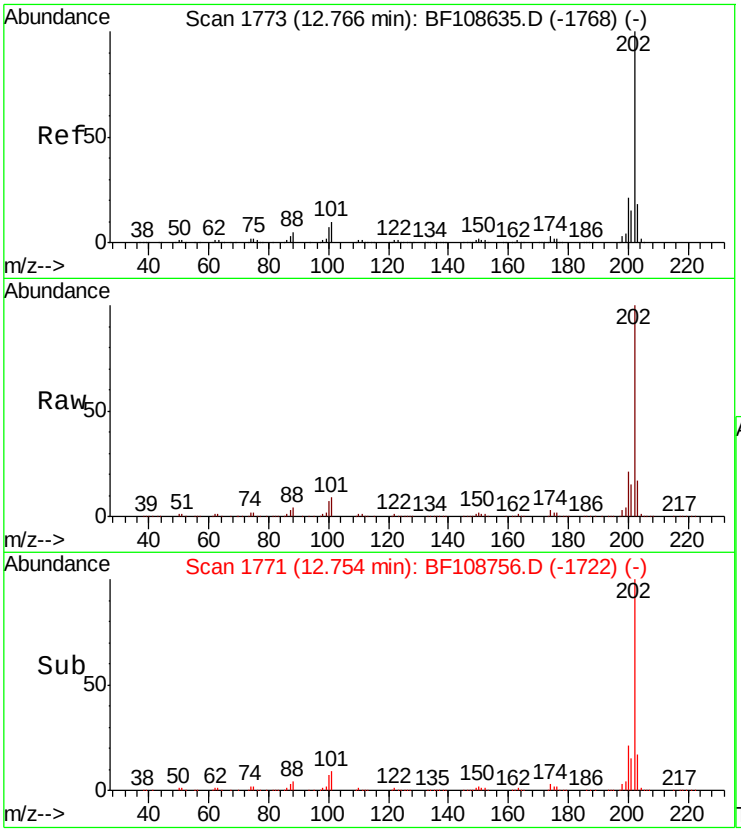


#72
Carbazole
Concen: 3.784 ng
RT: 11.79 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:167 Resp: 51025

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.6	26.4
139	13.0	10.9	16.3



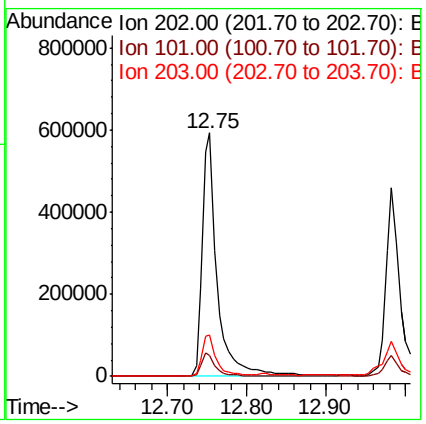


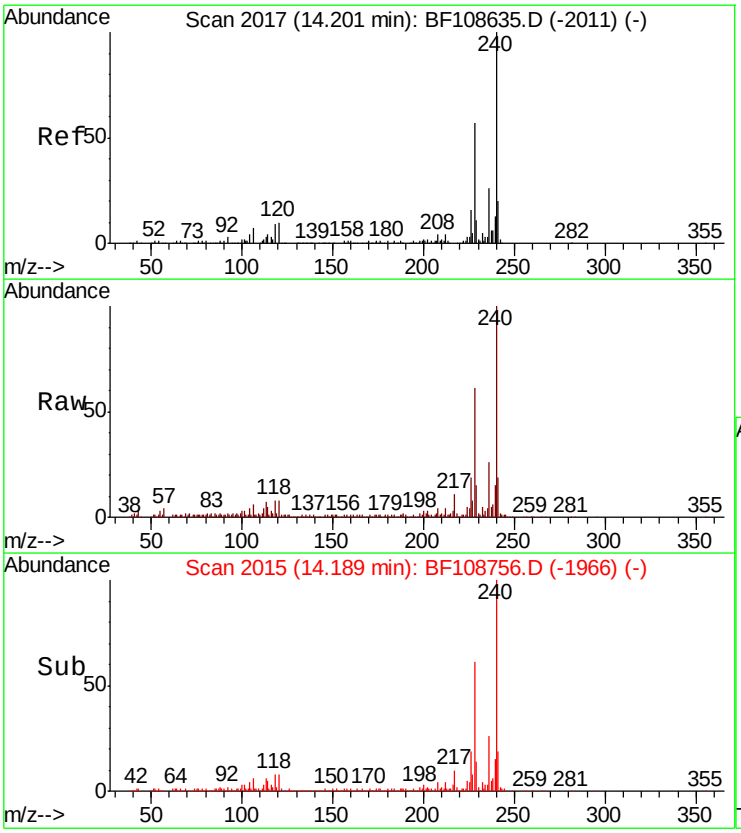
#74
Fluoranthene
Concen: 52.590 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 785707

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	34.1
203	17.2	0.0	38.1

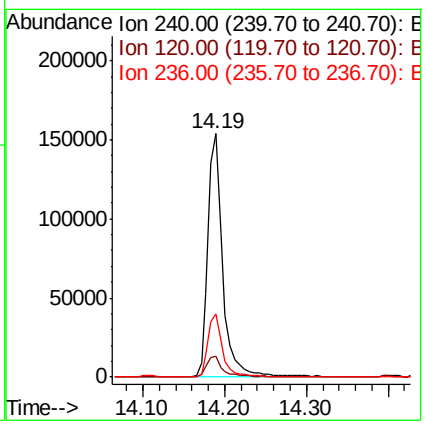


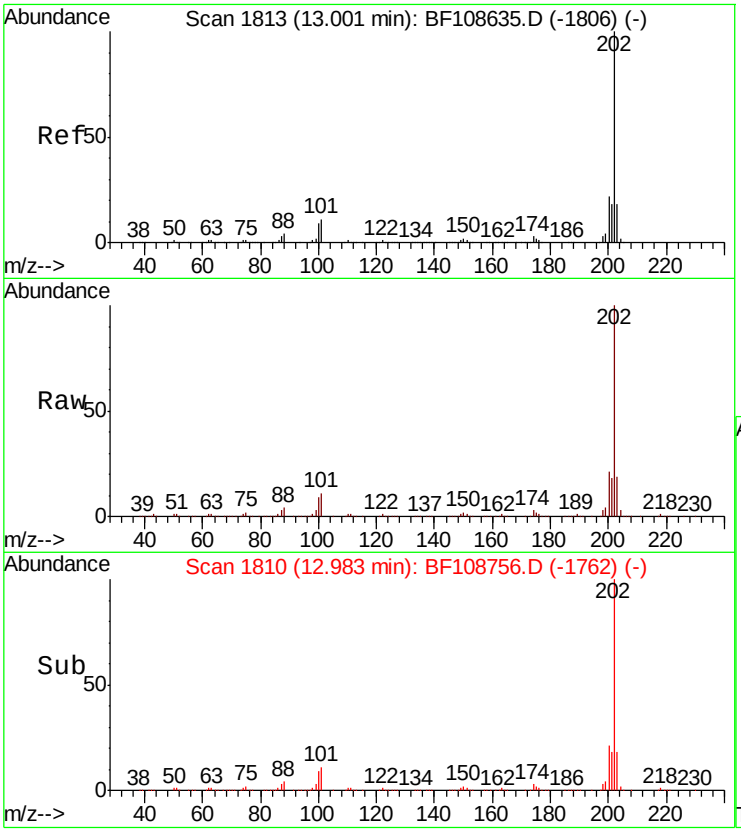


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:240 Resp: 194001

Ion	Ratio	Lower	Upper
240	100		
120	8.4	9.5	14.3#
236	25.9	20.7	31.1



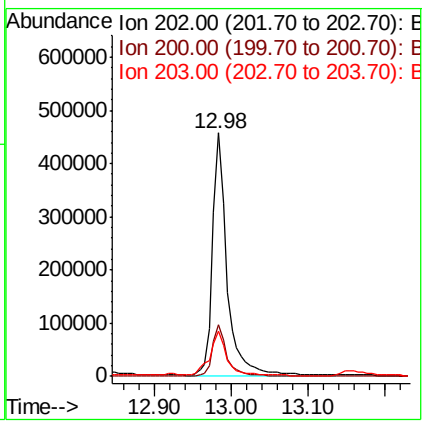


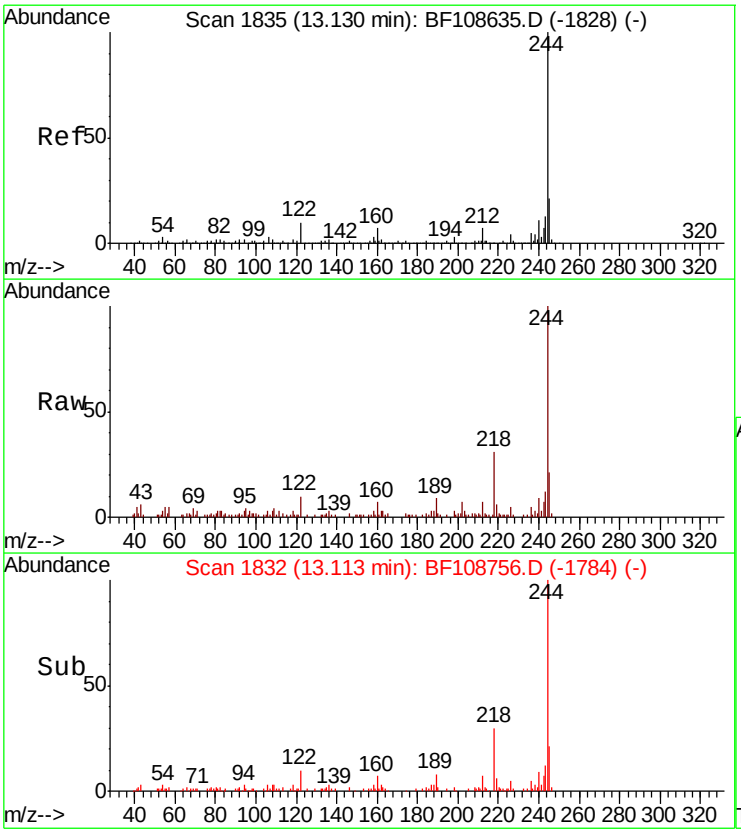
#77
Pyrene
Concen: 40.221 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 586564

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.6	14.3	21.5

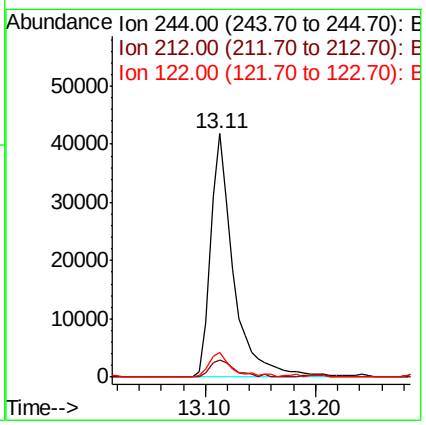


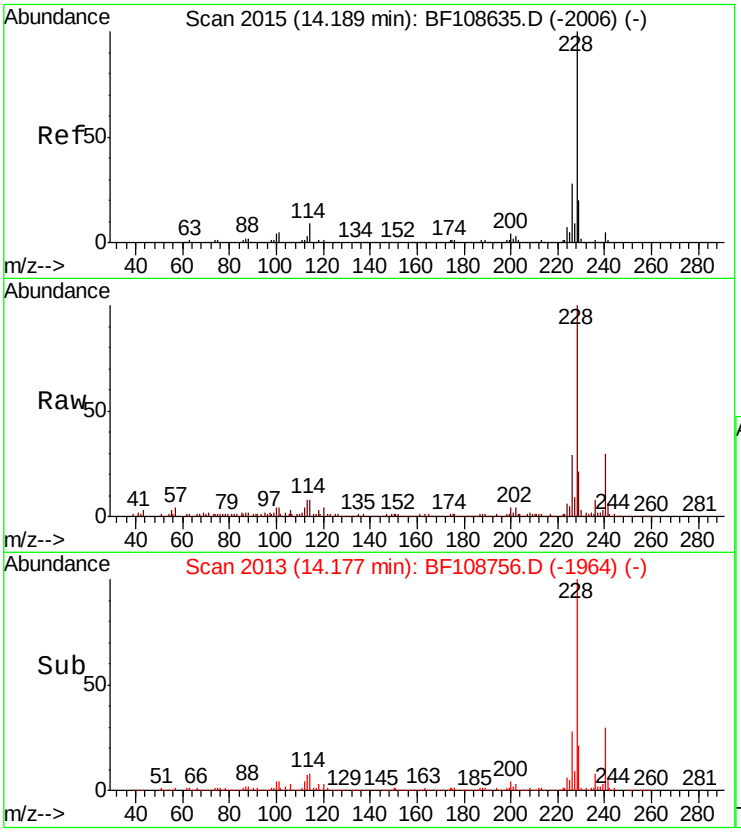


#78
Terphenyl-d14
Concen: 5.977 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:244 Resp: 59681

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.2	11.0	16.4#



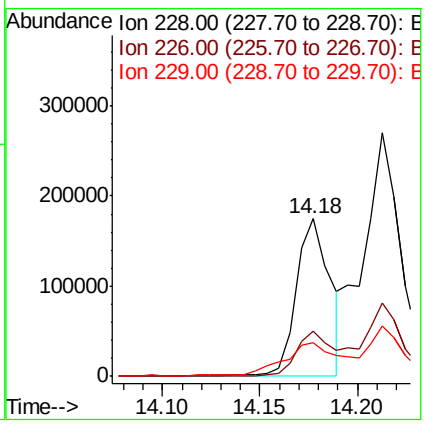


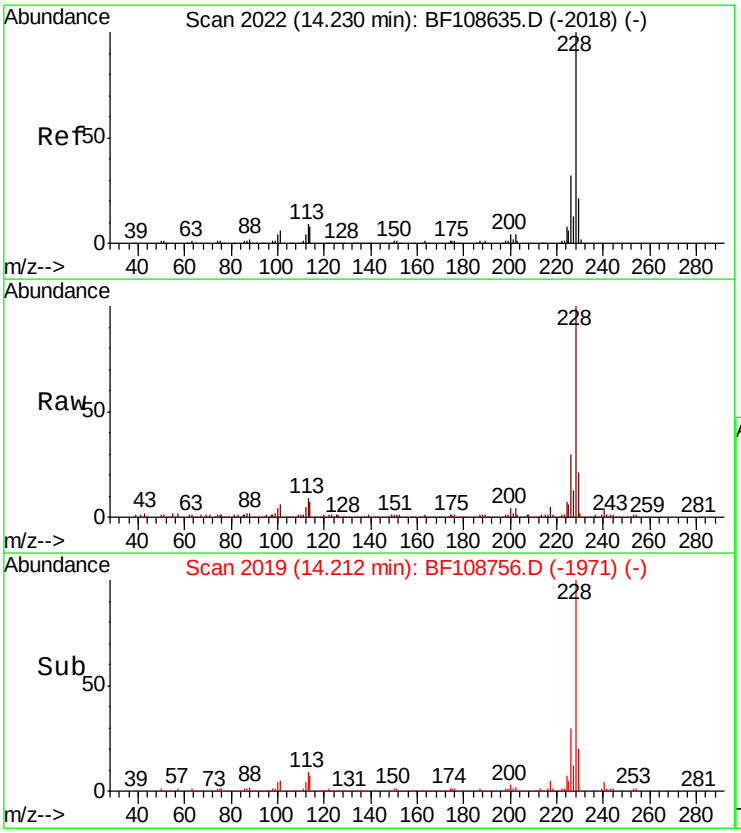
#80
Benzo(a)anthracene
Concen: 17.767 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 210127

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.4	15.8	23.6

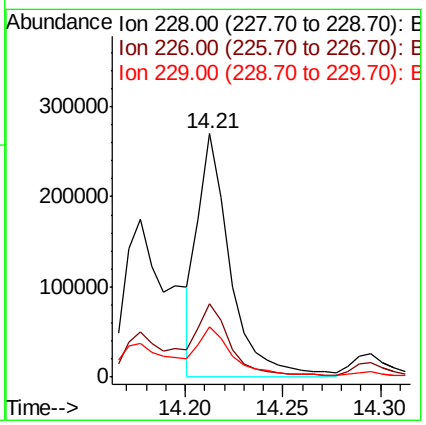


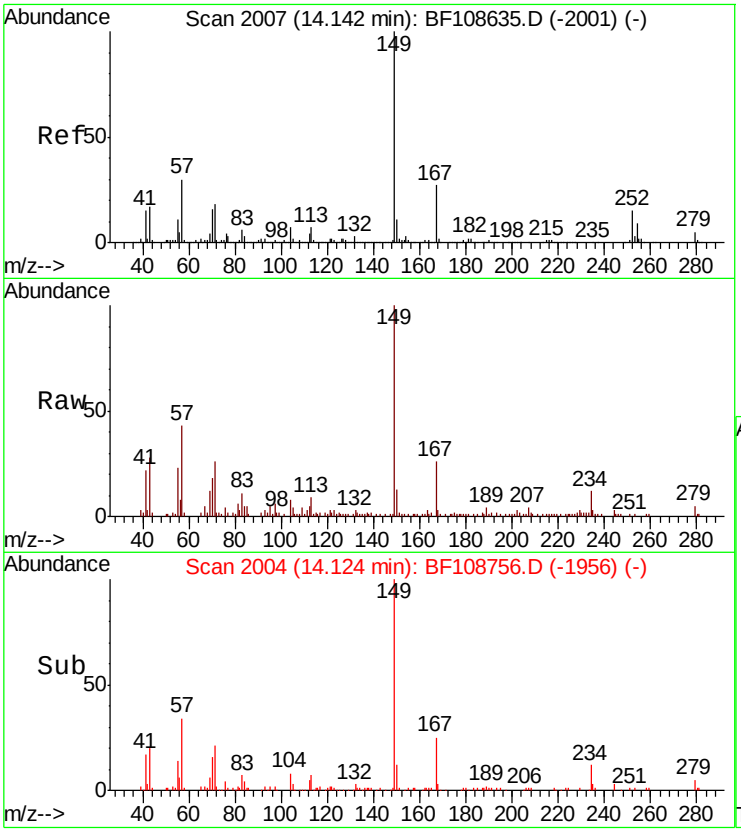


#82
Chrysene
Concen: 27.349 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:228 Resp: 311057

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	20.8	16.2	24.4



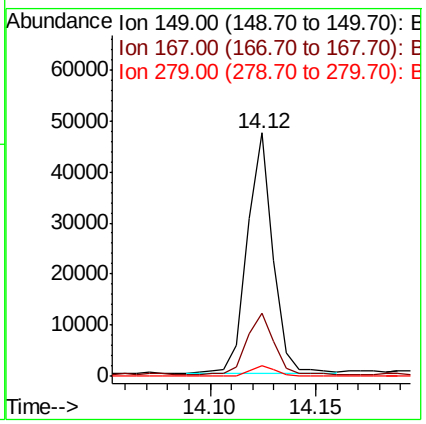


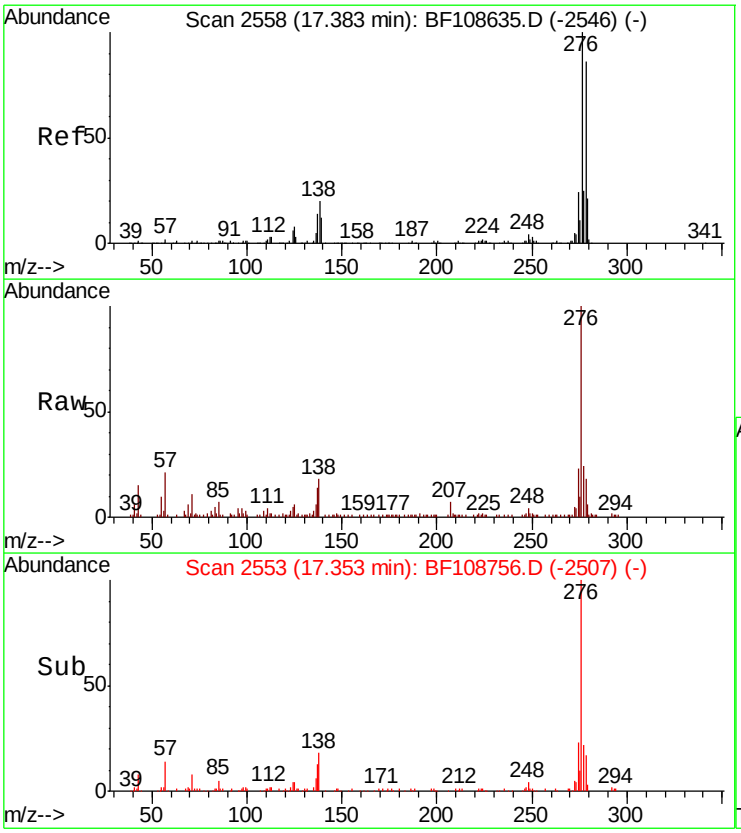
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.995 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 39371

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.3	31.9
279	4.5	3.0	4.4#

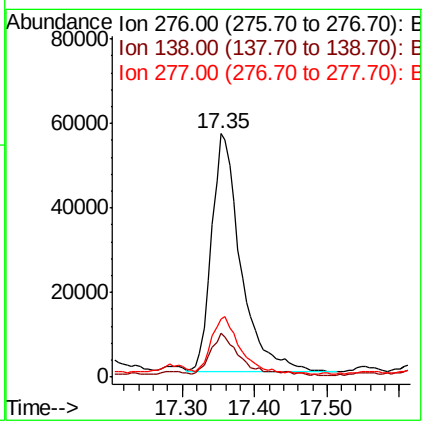


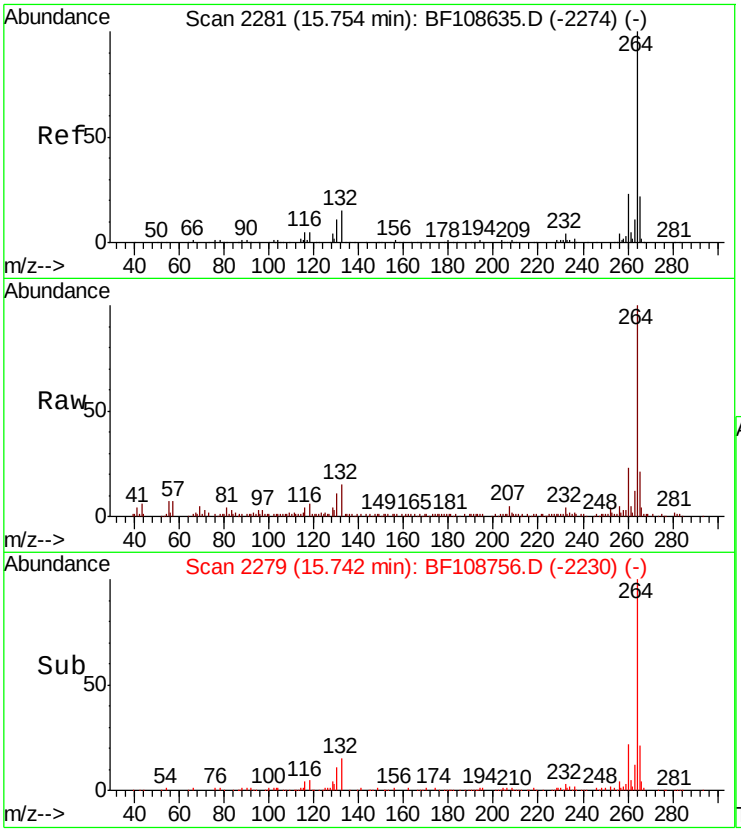


#85
Indeno(1,2,3-cd)pyrene
Concen: 20.089 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.03 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:276 Resp: 158870

Ion	Ratio	Lower	Upper
276	100		
138	15.7	25.0	37.6#
277	23.2	20.1	30.1



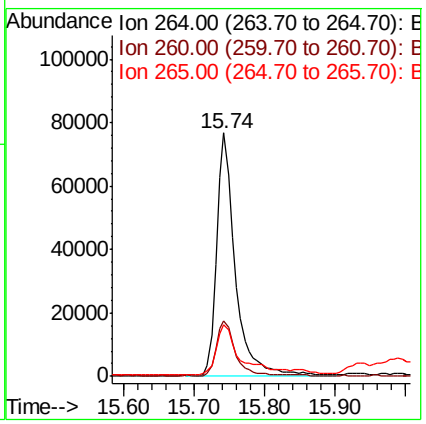


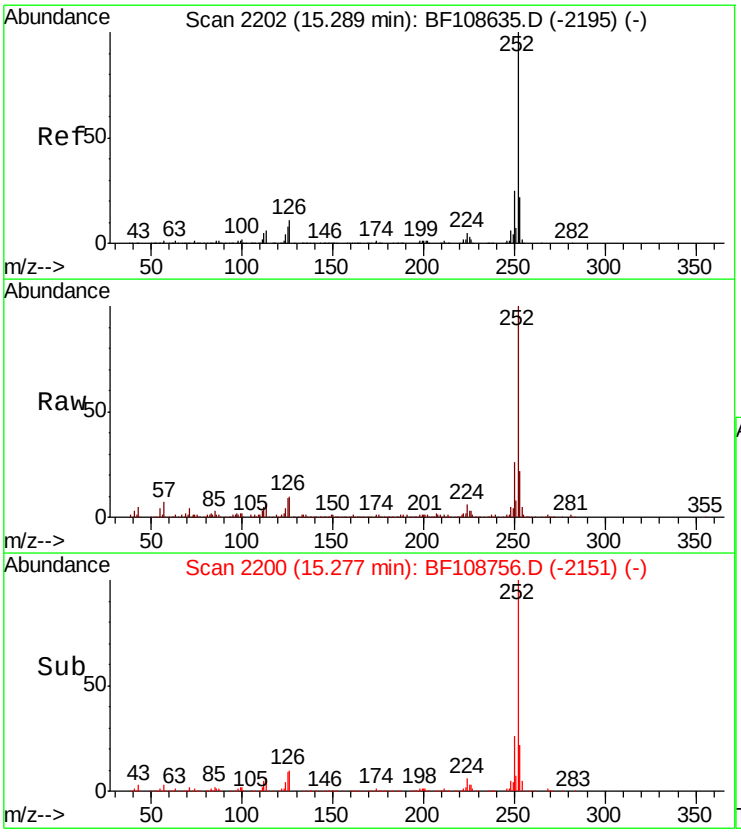
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 141823

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.4	17.5	26.3

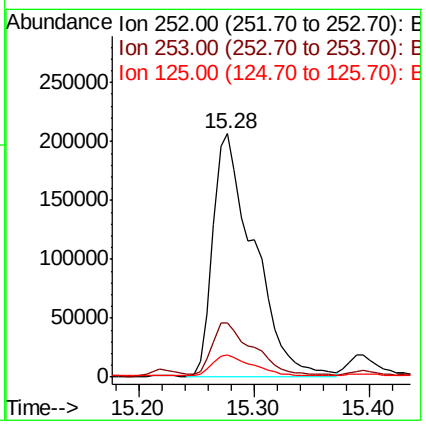


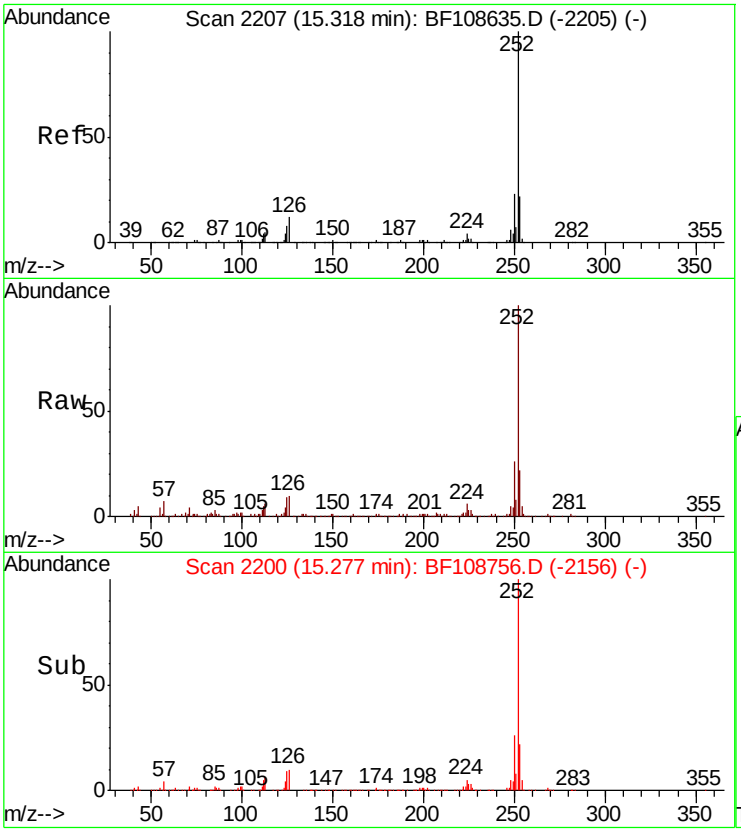


#87
Benzo(b)fluoranthene
Concen: 57.942 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:252 Resp: 504794

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.2	9.0	13.6



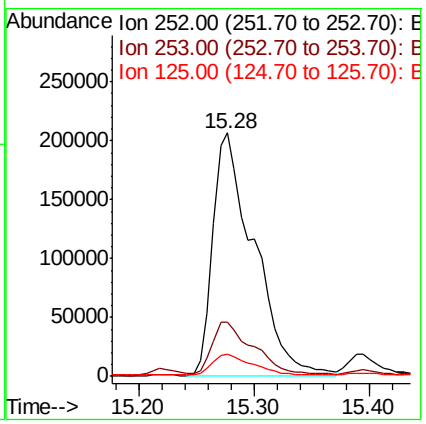


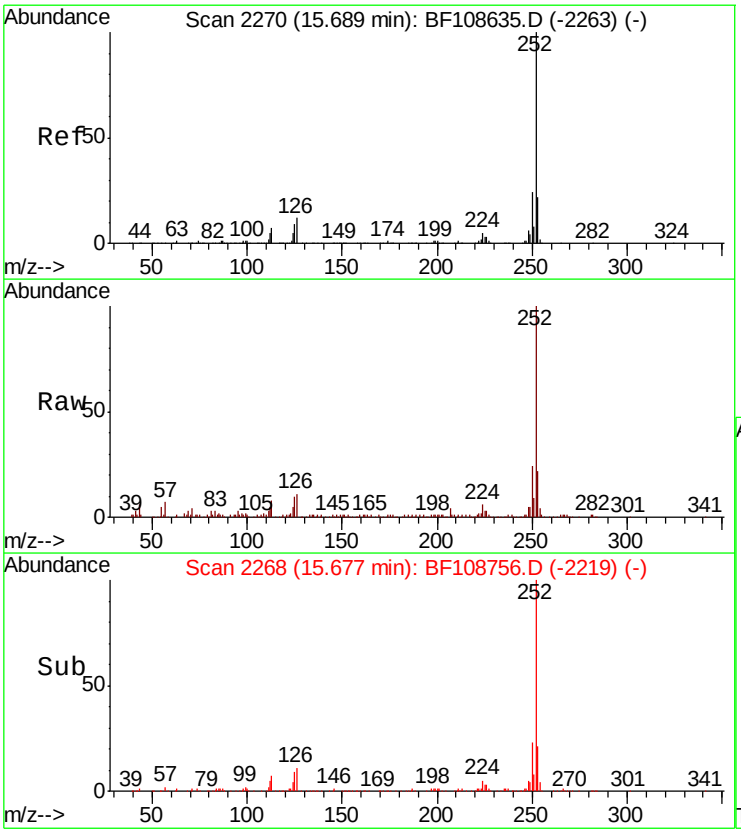
#88
Benzo(k)fluoranthene
Concen: 58.491 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 504794

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	9.2	10.2	15.2#

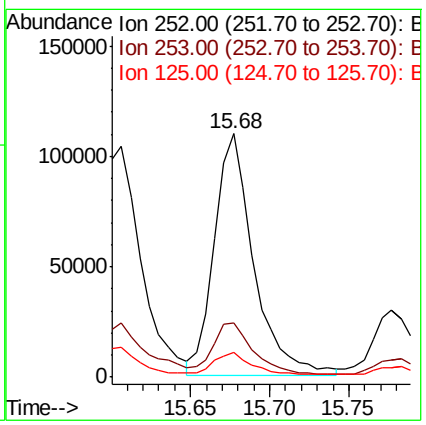


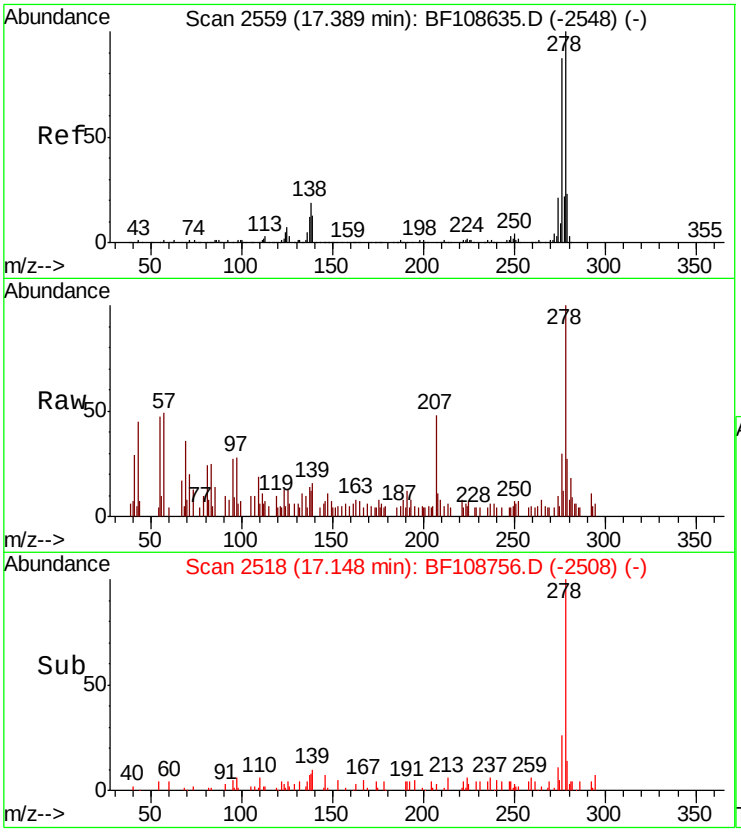


#89
Benzo(a)pyrene
Concen: 24.012 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:252 Resp: 189051

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	10.1	9.8	14.6



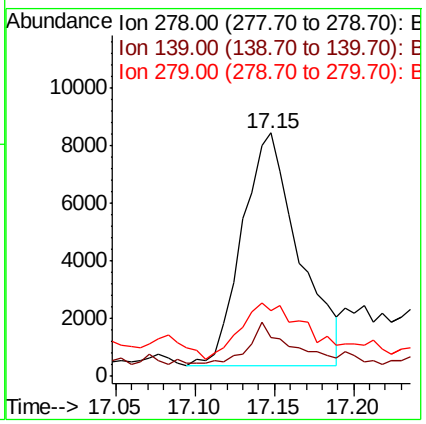


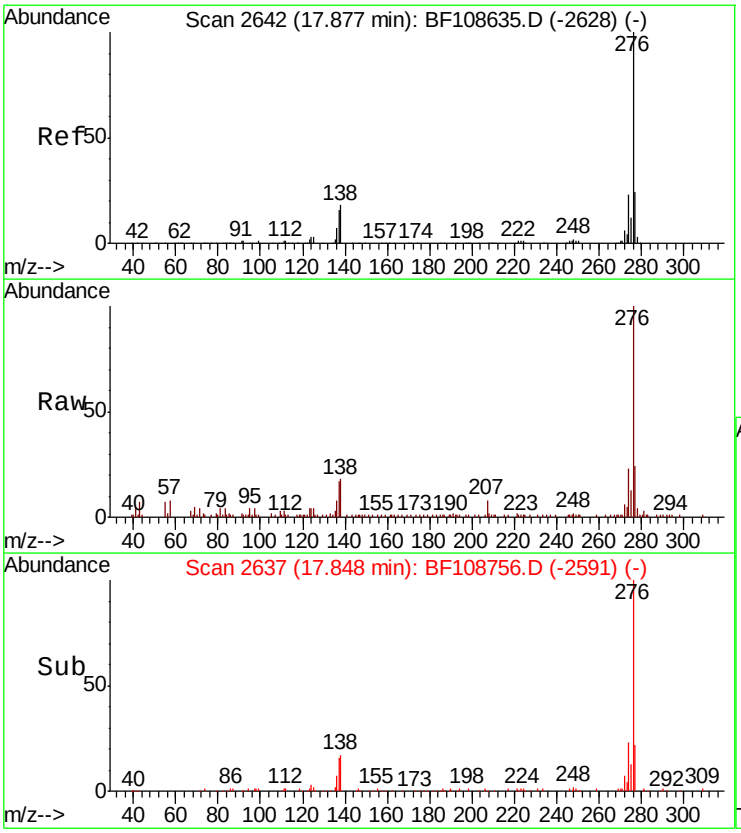
#90
Dibenzo(a,h)anthracene
Concen: 3.196 ng
RT: 17.15 min Scan# 2518
Delta R.T. -0.24 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 20098

Ion	Ratio	Lower	Upper
278	100		
139	16.1	15.9	23.9
279	27.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 27.100 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.03 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion:276 Resp: 165619

Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	18.1	21.8	32.8#