Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
Data File : BF108371.D
Acq On : 22 Aug 2018 7:08
Operator : JU/SJ
Sample : J4511-07DL 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 22 10:53:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 21 15:20:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	154492	20.00	ng		0.00
21) Naphthalene-d8	8.29	136	570740	20.00	ng		-0.01
38) Acenaphthene-d10	10.05	164	245666	20.00	ng		-0.02
63) Phenanthrene-d10	11.55	188	384585	20.00	ng		-0.01
75) Chrysene-d12	14.20	240	342863	20.00	ng		-0.02
86) Perylene-d12	15.76	264	292895	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	50301	5.89	ng		-0.01
7) Phenol-d6	6.61	99	70371	6.21	ng		-0.02
23) Nitrobenzene-d5	7.56	82	43409	4.24	ng		-0.02
41) 2,4,6-Tribromophenol	10.84	330	11593	4.73	ng		-0.02
44) 2-Fluorobiphenyl	9.36	172	86626	5.66	ng		-0.02
78) Terphenyl-d14	13.12	244	65663	4.87	ng		-0.02
Target Compounds							Qvalue
25) Isophorone	7.56	82	43409	2.227	ng	#	64
31) Naphthalene	8.31	128	141102	5.436	ng		98
32) Benzoic acid	8.05	122	462	6.055	ng	#	26
37) 2-Methylnaphthalene	9.00	142	53516	2.914	ng		98
50) 2,6-Dinitrotoluene	10.05	165	33909	9.471	ng	#	26
51) Acenaphthene	10.08	154	105908	7.640	ng		98
54) Dibenzofuran	10.25	168	117114	5.831	ng		99
55) 4-Nitrophenol	10.25	139	44435	14.980	ng	#	10
57) Fluorene	10.60	166	115809	7.284	ng		97
70) Phenanthrene	11.57	178	932044	51.382	ng		99
71) Anthracene	11.62	178	239998	12.909	ng		99
72) Carbazole	11.77	167	86825	5.256	ng		98
74) Fluoranthene	12.77	202	884160	44.661	ng		97
77) Pyrene	13.00	202	771090	35.523	ng		99
80) Benzo(a)anthracene	14.19	228	397761	20.215	ng		98
82) Chrysene	14.22	228	330362	18.313	ng		96
85) Indeno(1,2,3-cd)pyrene	17.37	276	114168	7.304	ng	#	88
87) Benzo(b)fluoranthene	15.29	252	489627	27.976	ng		96
88) Benzo(k)fluoranthene	15.29	252	489627	30.434	ng	#	97
89) Benzo(a)pyrene	15.69	252	253200	16.156	ng		97
90) Dibenzo(a,h)anthracene	17.38	278	28974	2.234	ng	#	90
91) Benzo(g,h,i)perylene	17.86	276	104505	8.184	ng	#	91

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

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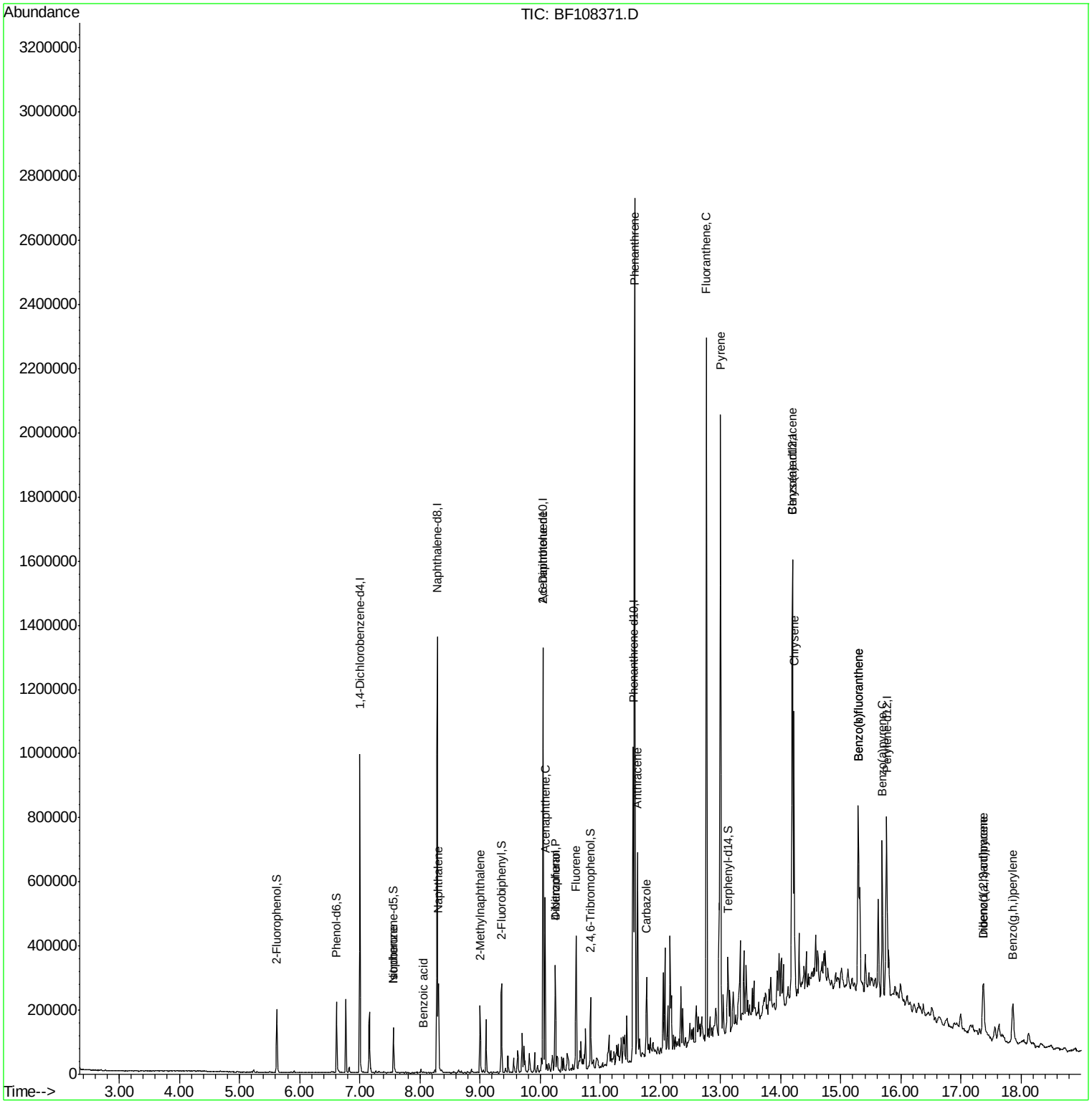
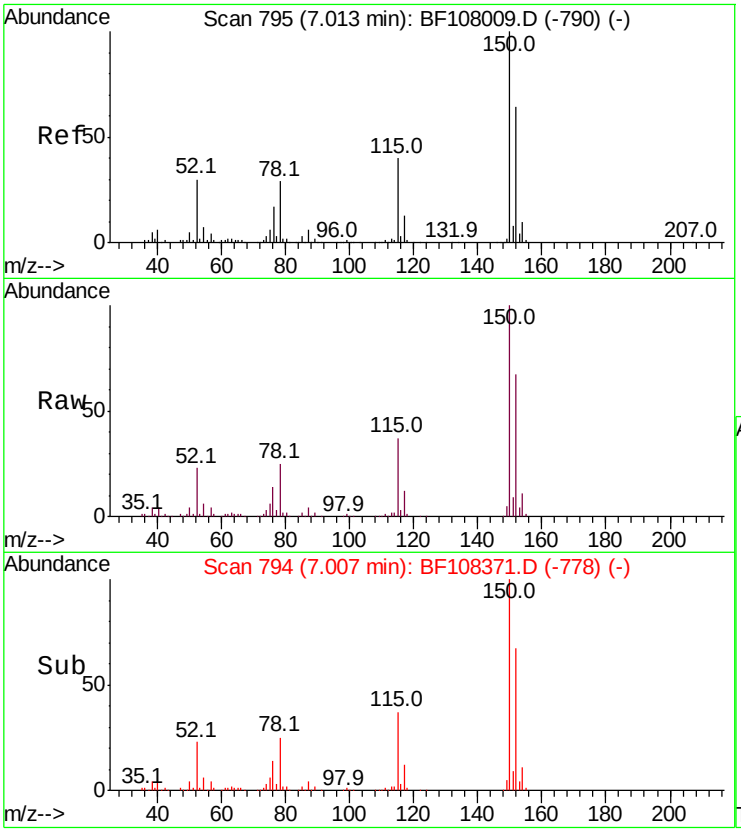


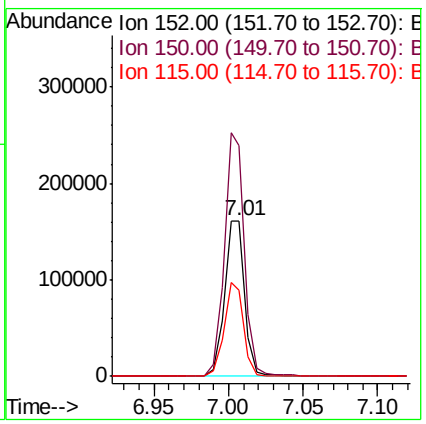


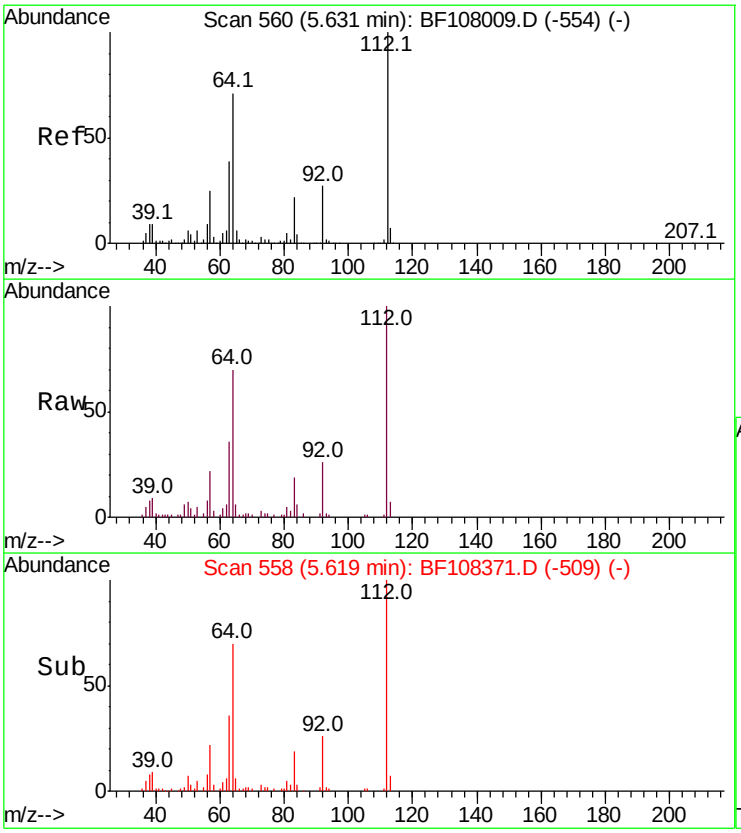
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 154492

Ion	Ratio	Lower	Upper
152	100		
150	148.4	124.6	186.8
115	55.4	50.1	75.1

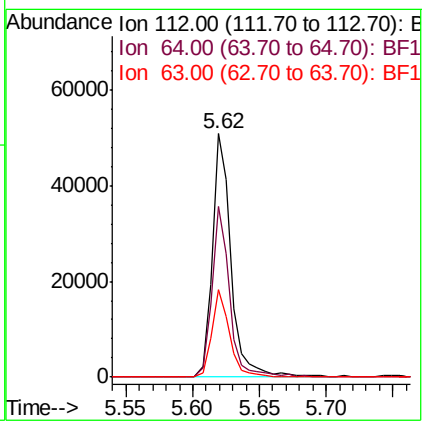


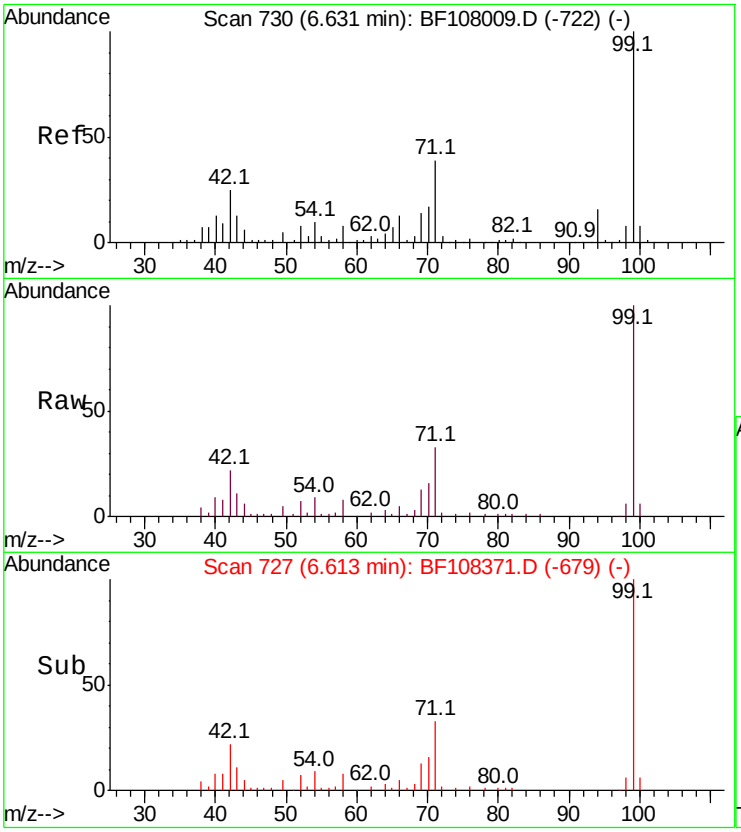


#5
2-Fluorophenol
Concen: 5.895 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:112 Resp: 50301

Ion	Ratio	Lower	Upper
112	100		
64	69.9	47.9	71.9
63	35.7	23.7	35.5#



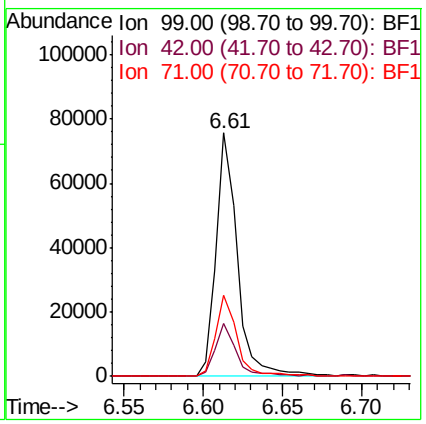


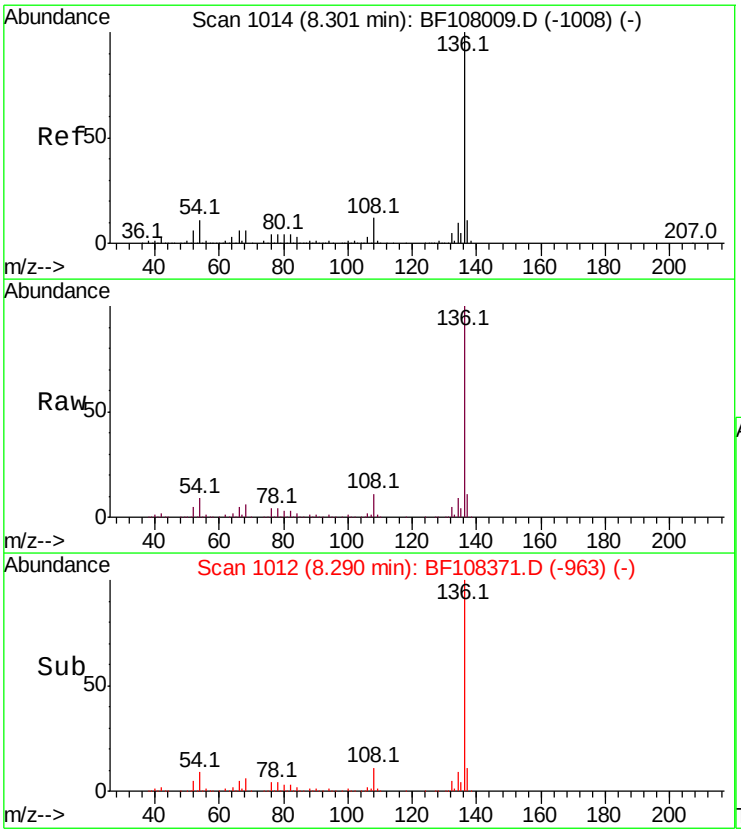
#7
Phenol-d6
Concen: 6.206 ng
RT: 6.61 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 70371

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	33.4	25.4	38.0

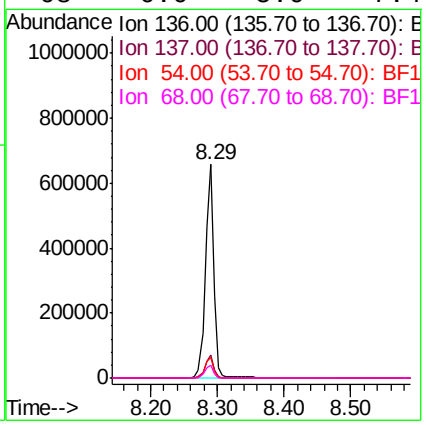


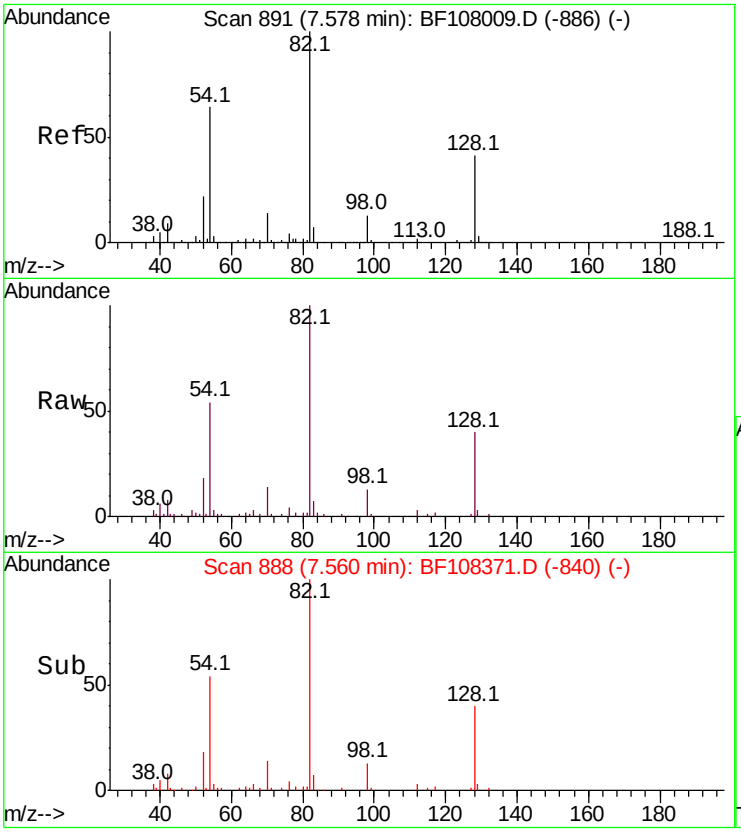


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:136 Resp: 570740

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	6.0	5.0	7.4



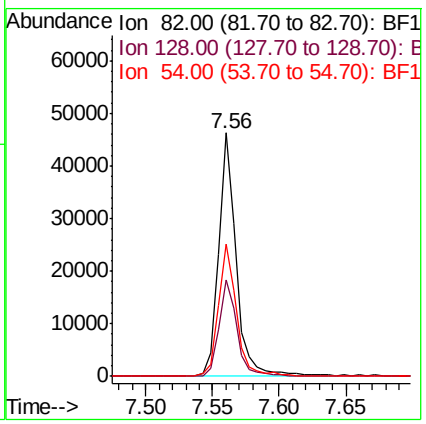


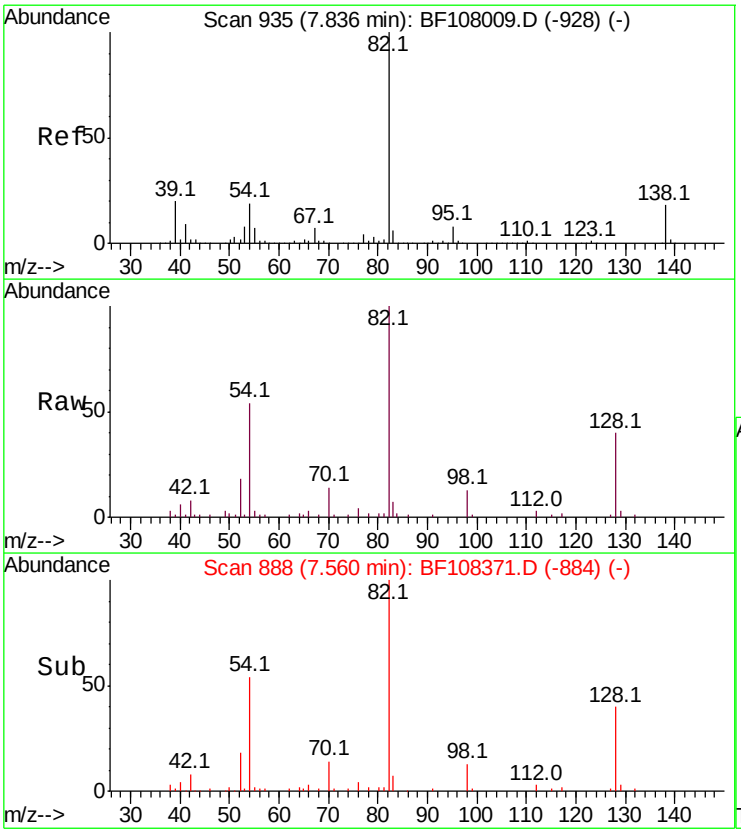
#23
Nitrobenzene-d5
Concen: 4.244 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 43409

Ion	Ratio	Lower	Upper
82	100		
128	39.6	36.1	54.1
54	54.4	41.4	62.2

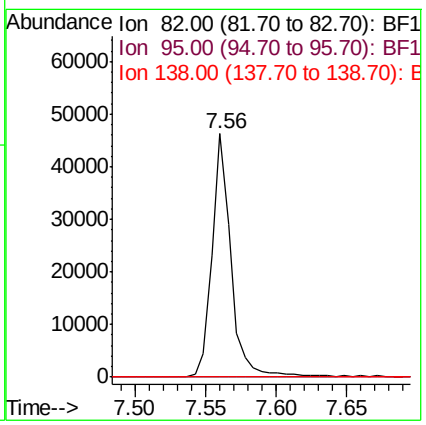


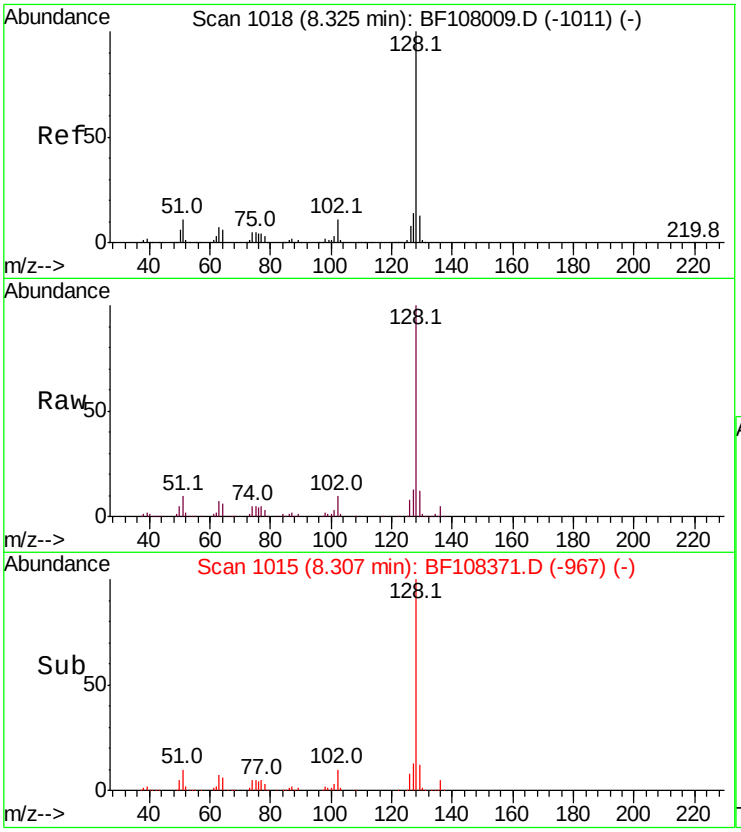


#25
Isophorone
Concen: 2.227 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion: 82 Resp: 43409

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



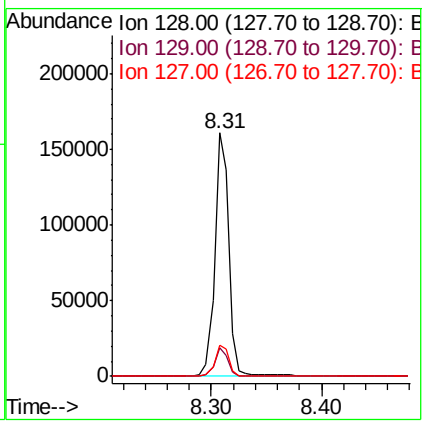


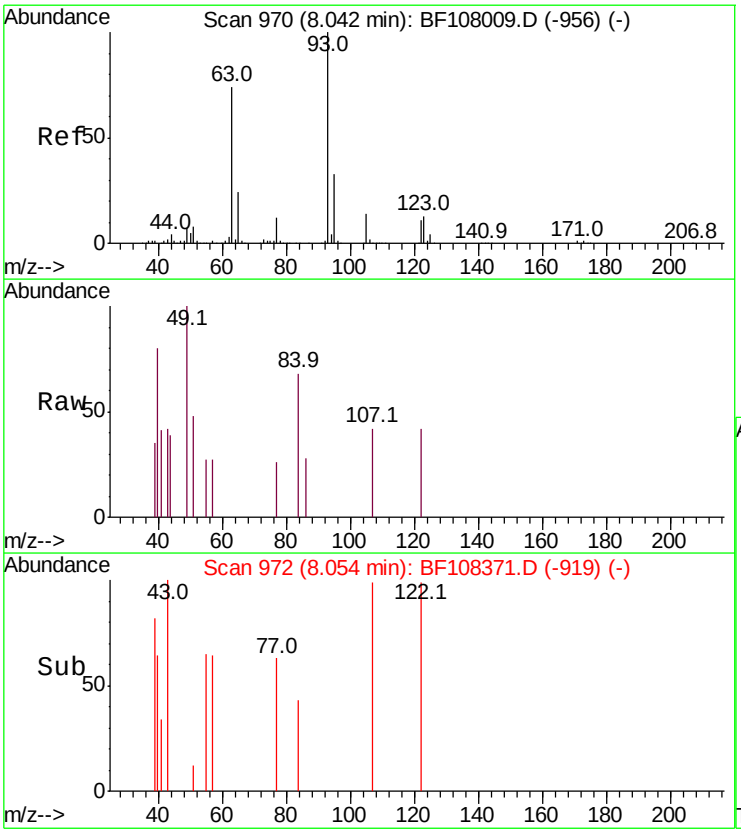
#31
Naphthalene
Concen: 5.436 ng
RT: 8.31 min Scan# 1015
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 141102

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	12.7	10.9	16.3

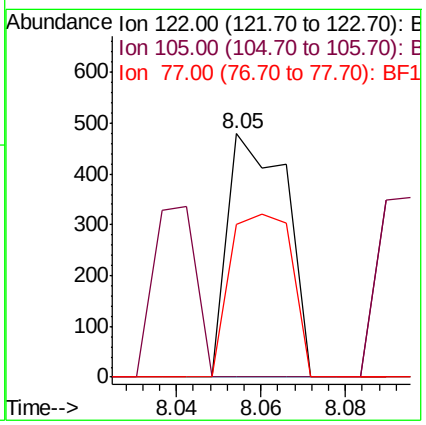


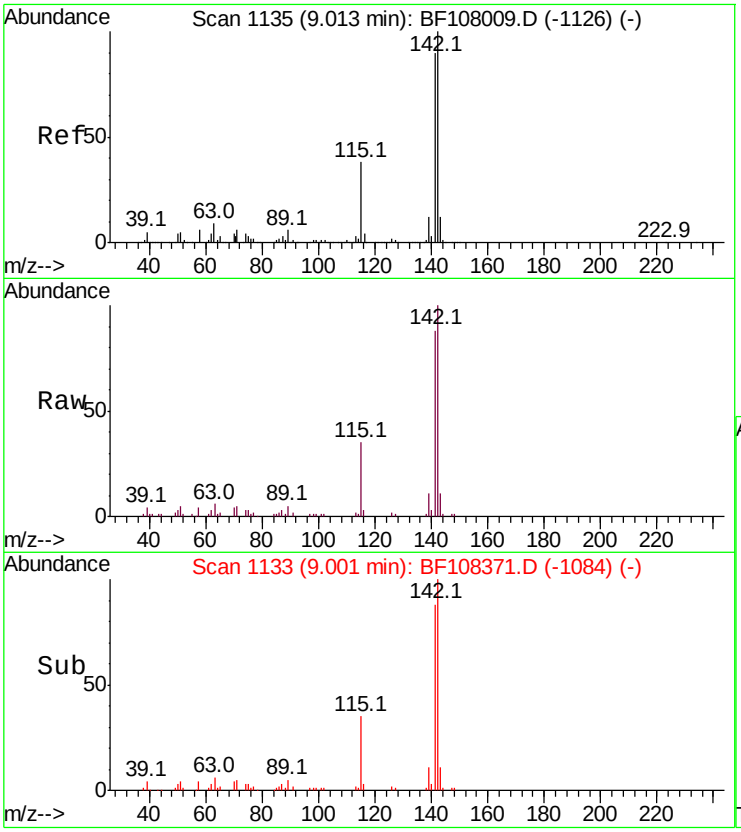


#32
Benzoic acid
Concen: 6.055 ng
RT: 8.05 min Scan# 972
Delta R.T. 0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:122 Resp: 462

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	63.0	70.7	110.7#



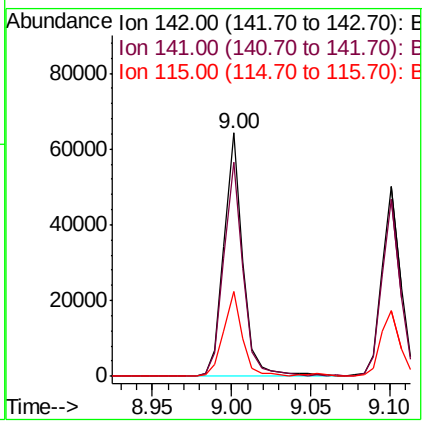


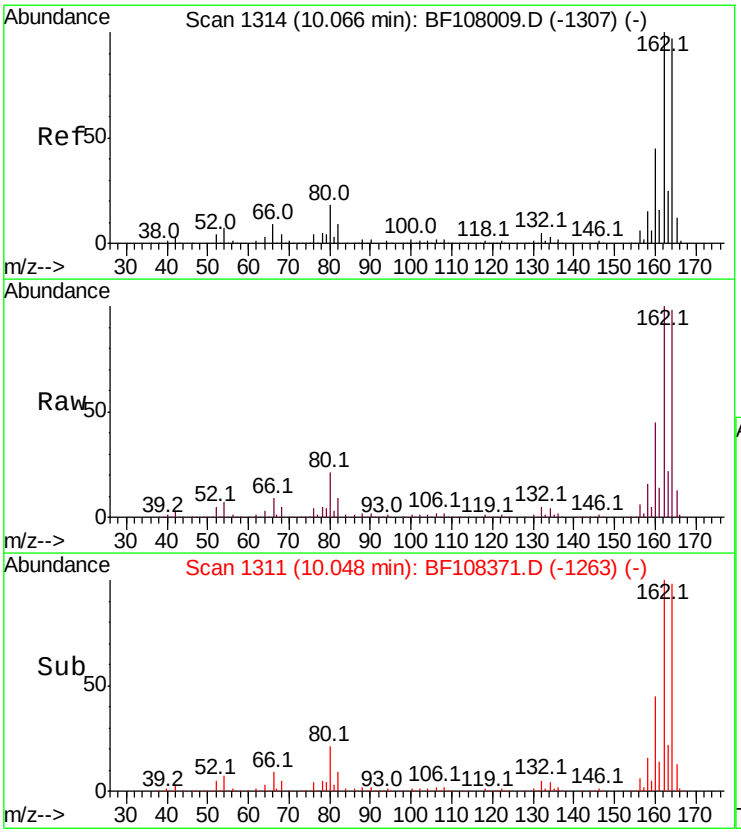
#37
2-Methylnaphthalene
Concen: 2.914 ng
RT: 9.00 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 53516

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2
115	34.7	26.1	39.1

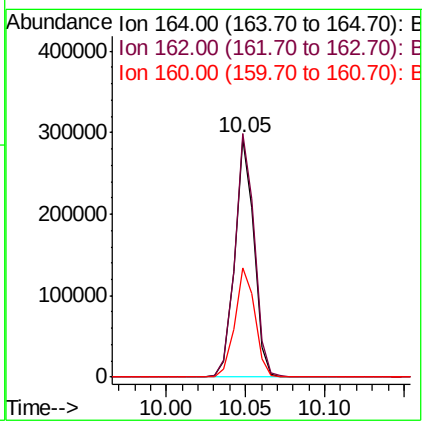


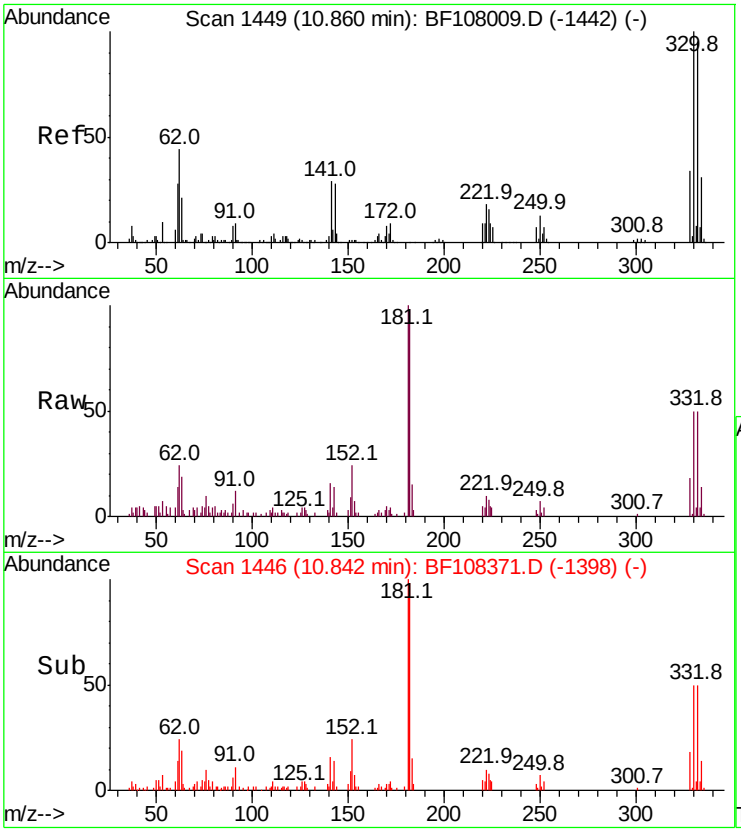


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:164 Resp: 245666

Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	46.0	38.3	57.5



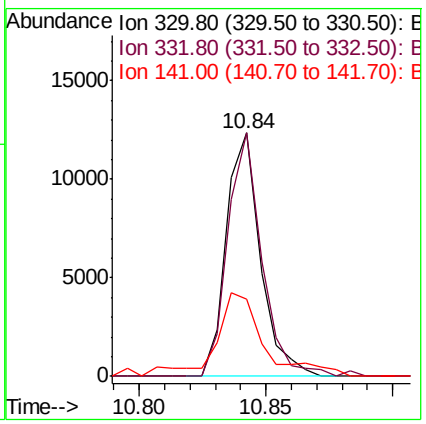


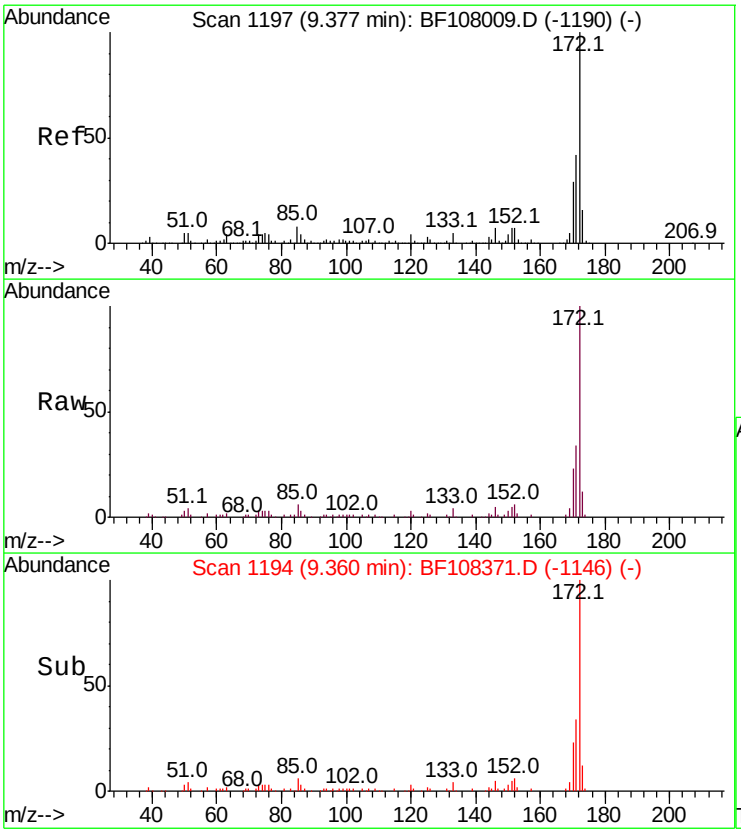
#41
2,4,6-Tribromophenol
Concen: 4.731 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 11593

Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.0	115.6
141	49.9	29.9	44.9#

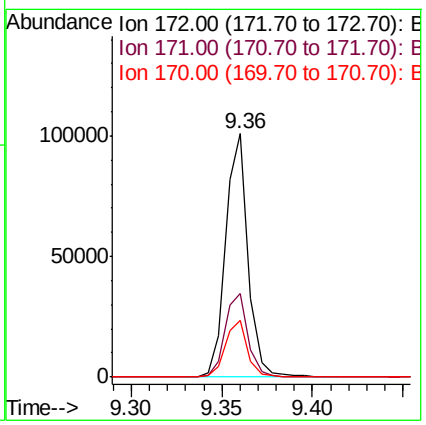


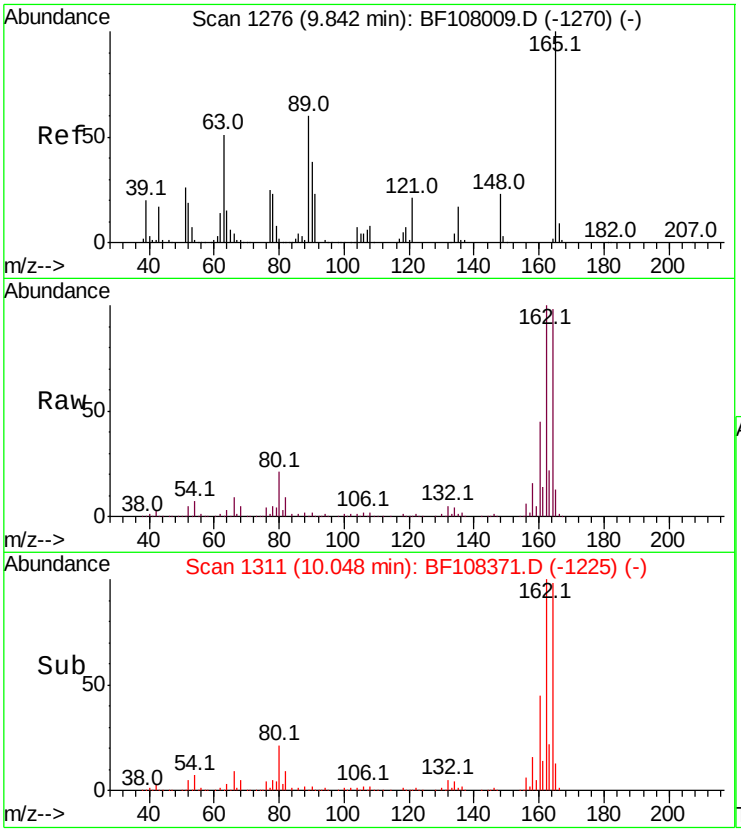


#44
2-Fluorobiphenyl
Concen: 5.661 ng
RT: 9.36 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:172 Resp: 86626

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.7	44.5
170	23.4	19.6	29.4



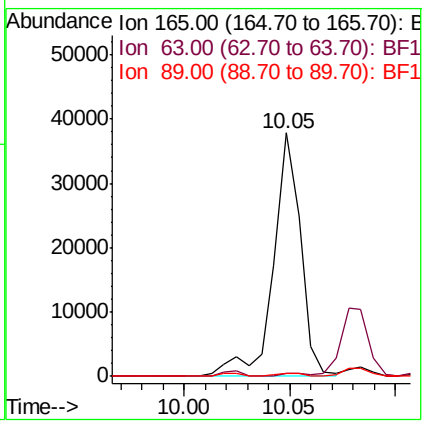


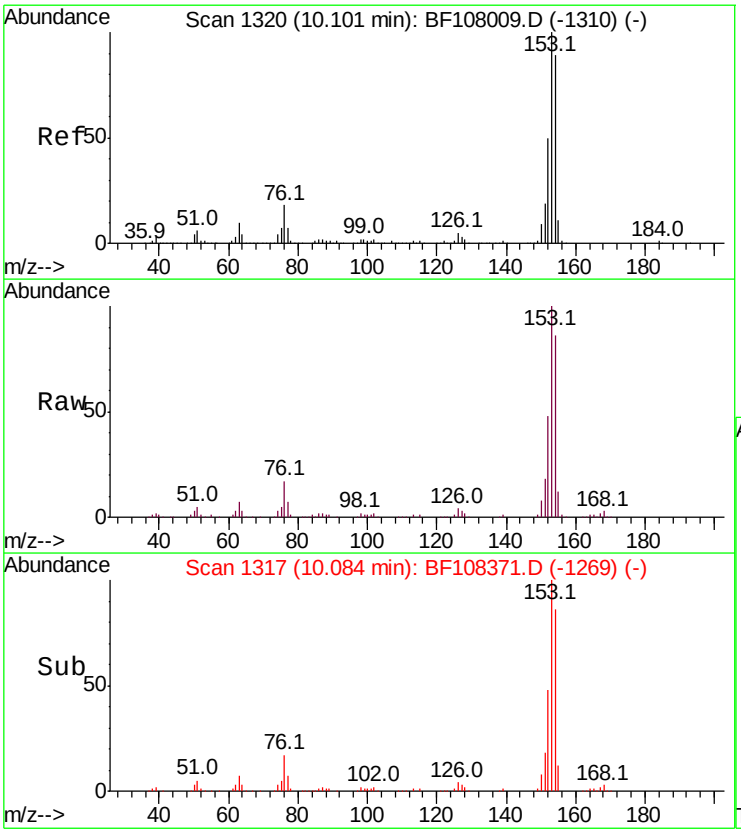
#50
2,6-Dinitrotoluene
Concen: 9.471 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.21 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 33909

Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.5	44.0	66.0#

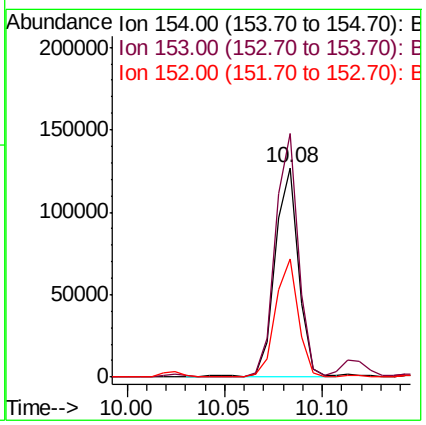


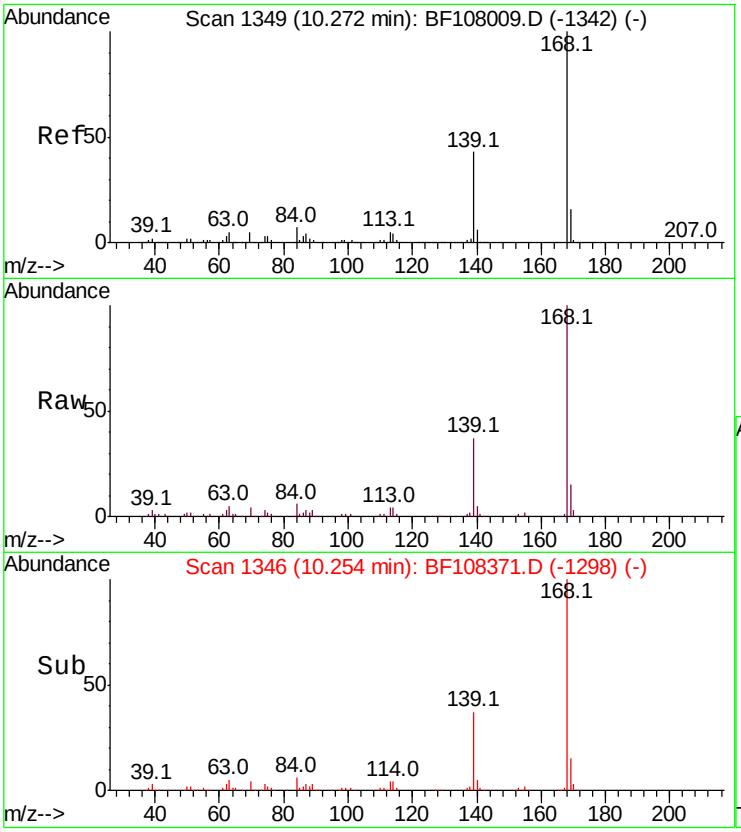


#51
Acenaphthene
Concen: 7.640 ng
RT: 10.08 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:154 Resp: 105908

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.2	136.8
152	56.5	43.8	65.8



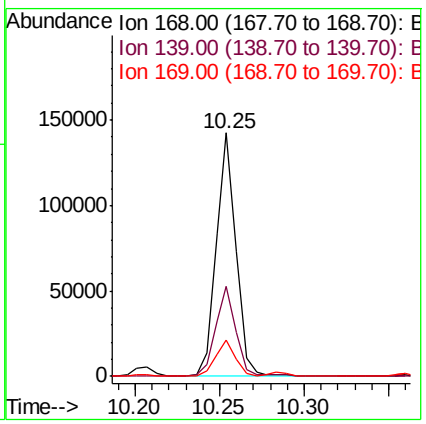


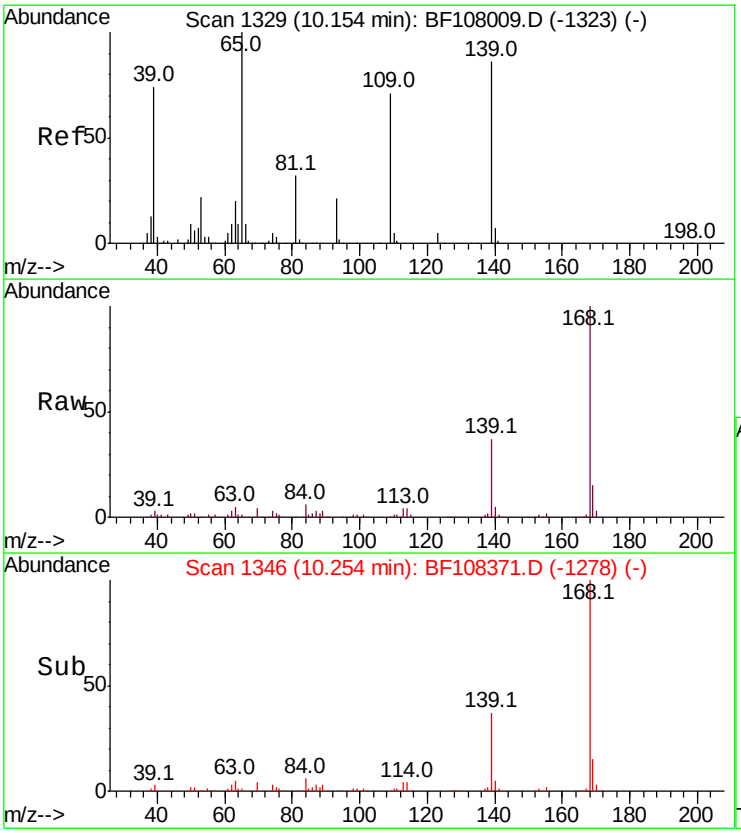
#54
Dibenzofuran
Concen: 5.831 ng
RT: 10.25 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 117114

Ion	Ratio	Lower	Upper
168	100		
139	37.2	30.1	45.1
169	14.6	10.9	16.3

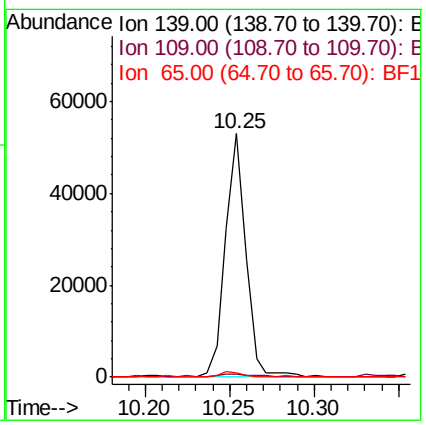


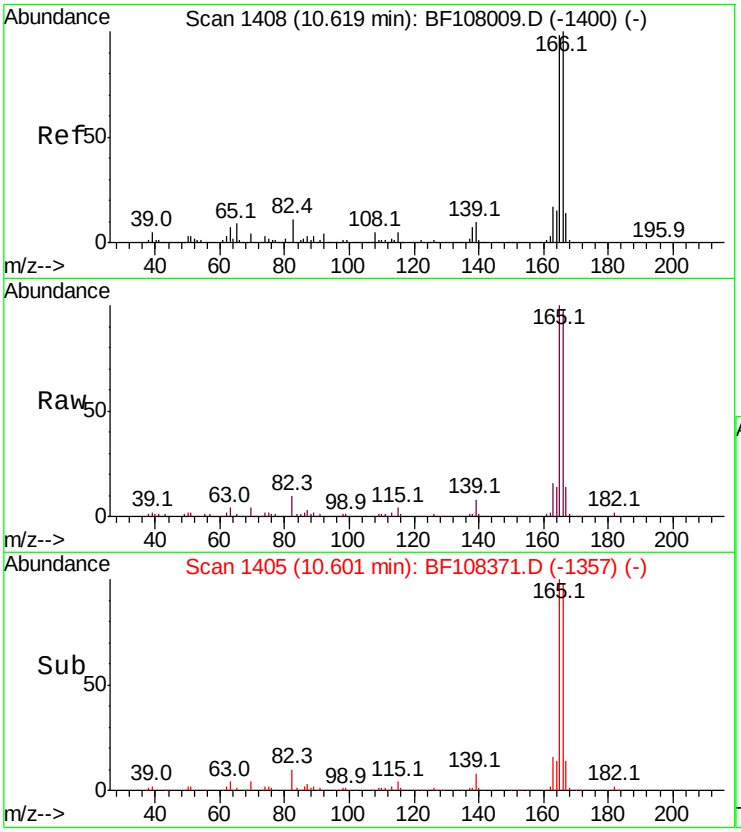


#55
4-Nitrophenol
Concen: 14.980 ng
RT: 10.25 min Scan# 1346
Delta R.T. 0.10 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:139 Resp: 44435

Ion	Ratio	Lower	Upper
139	100		
109	1.2	48.4	88.4#
65	1.6	72.6	112.6#



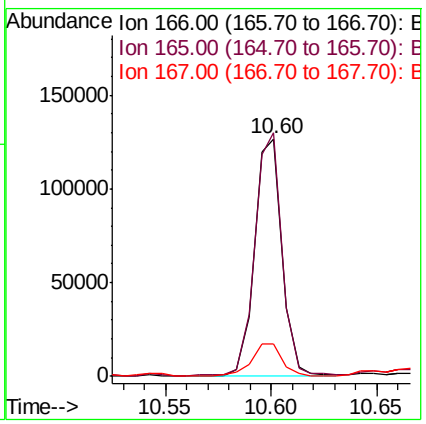


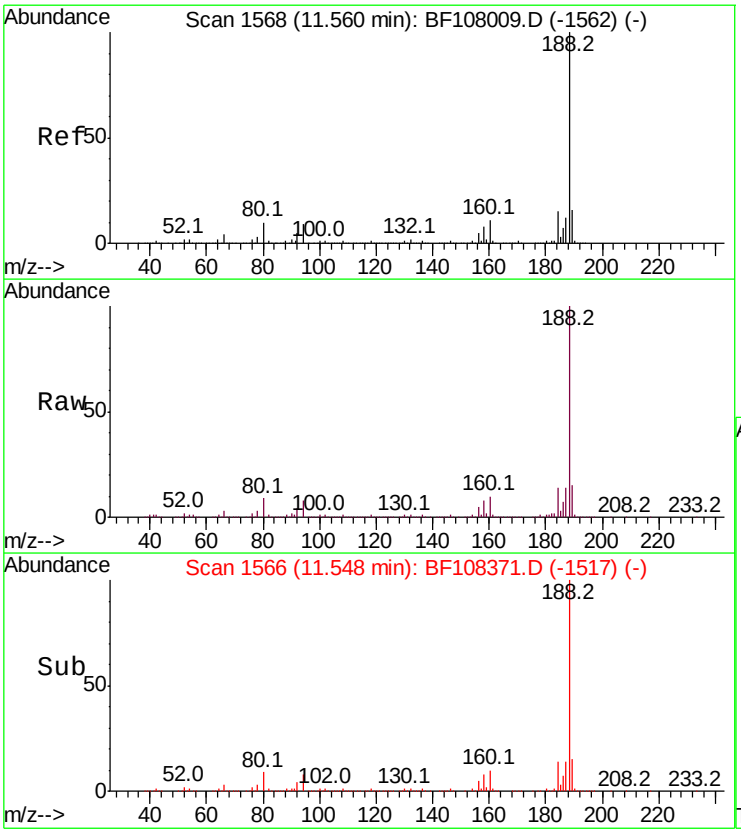
#57
Fluorene
Concen: 7.284 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 115809

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.8	119.8
167	13.9	10.6	16.0

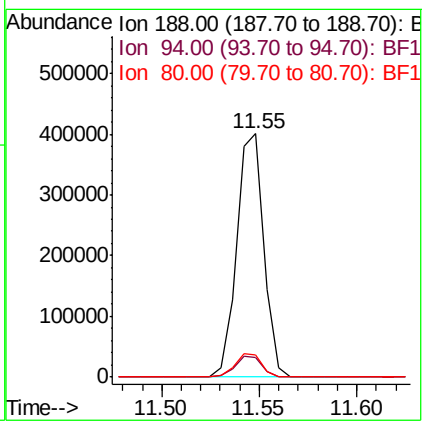


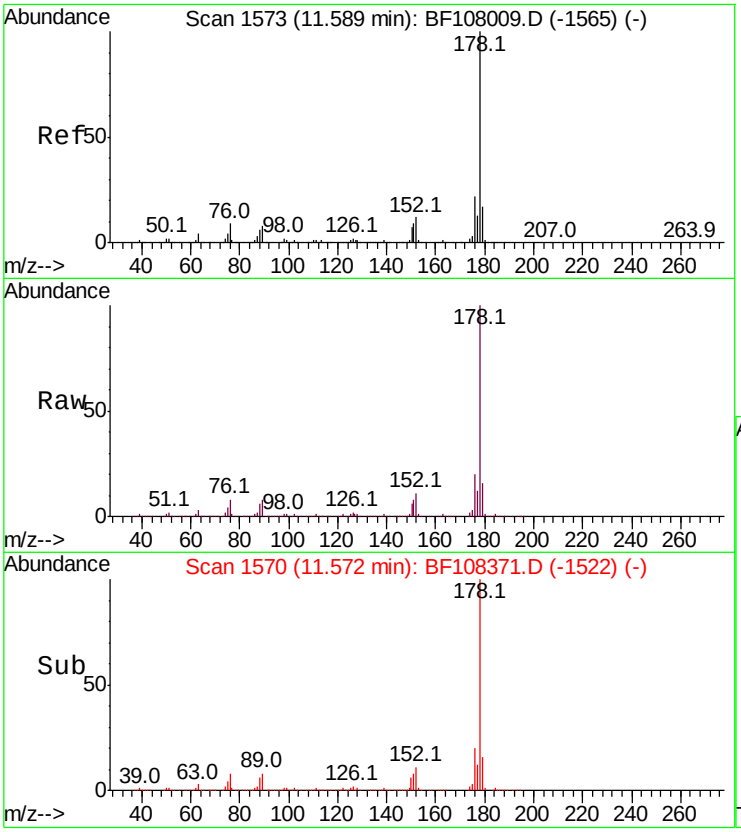


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:188 Resp: 384585

Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.1	9.2	13.8#



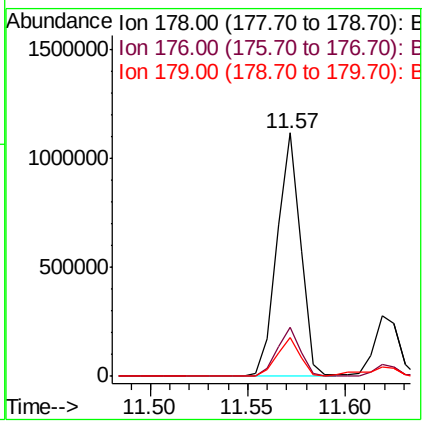


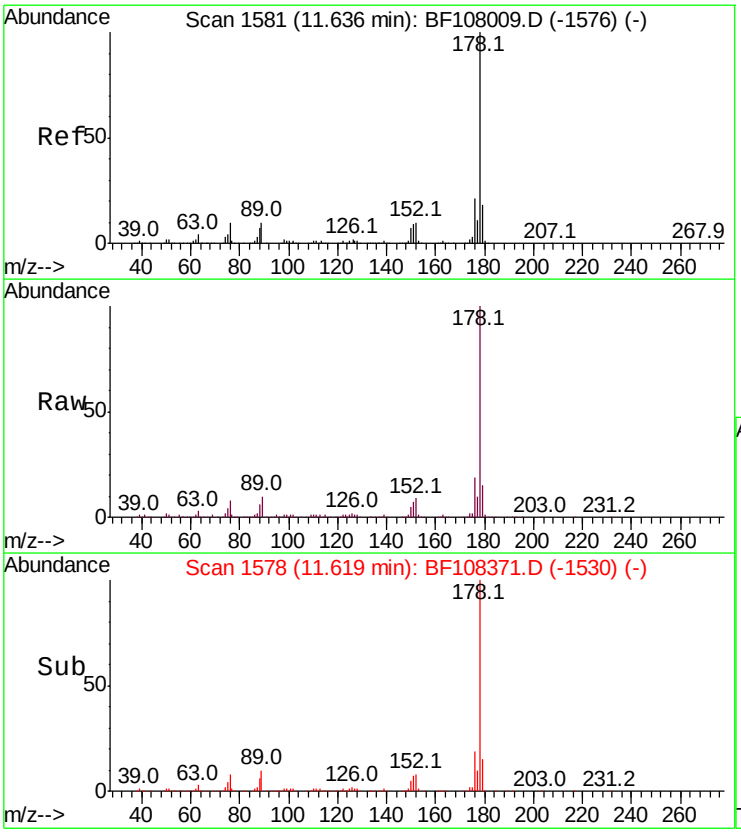
#70
Phenanthrene
Concen: 51.382 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 932044

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.8	13.0	19.6

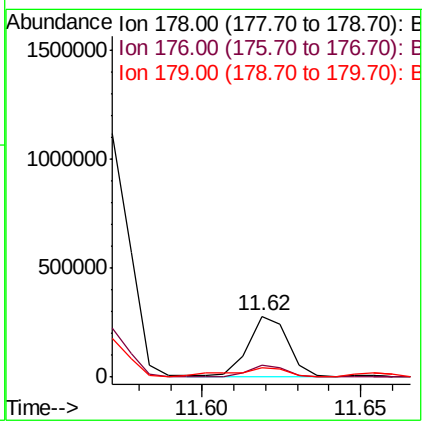


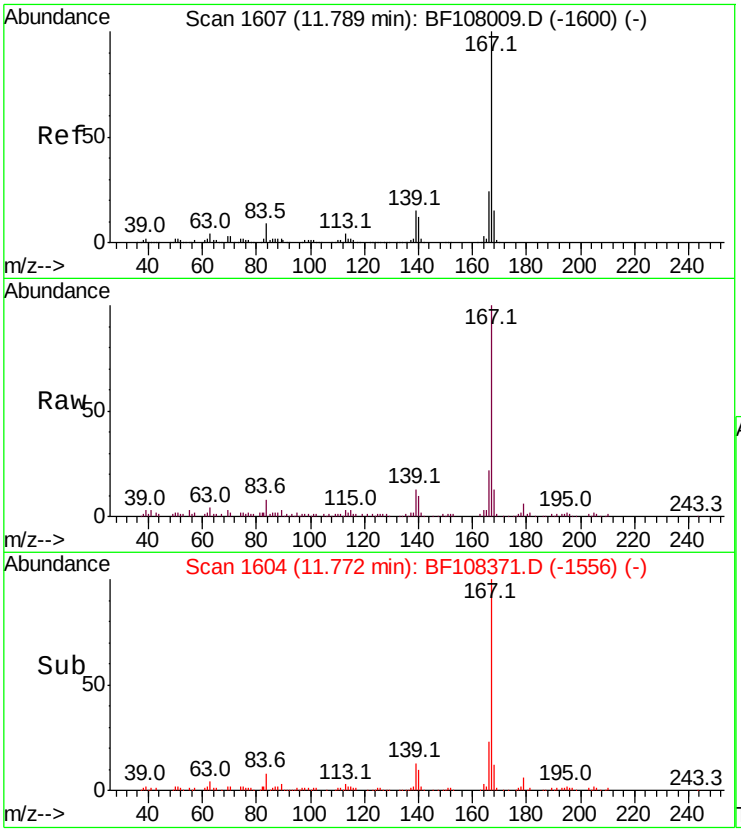


#71
Anthracene
Concen: 12.909 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:178 Resp: 239998

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.6	19.0



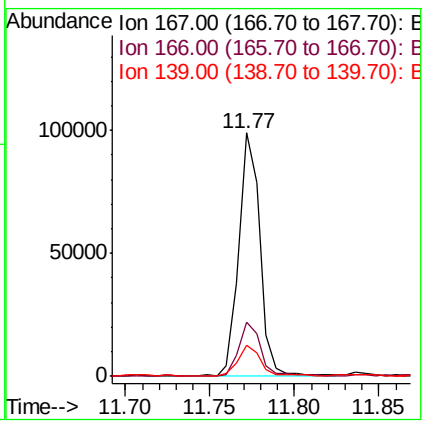


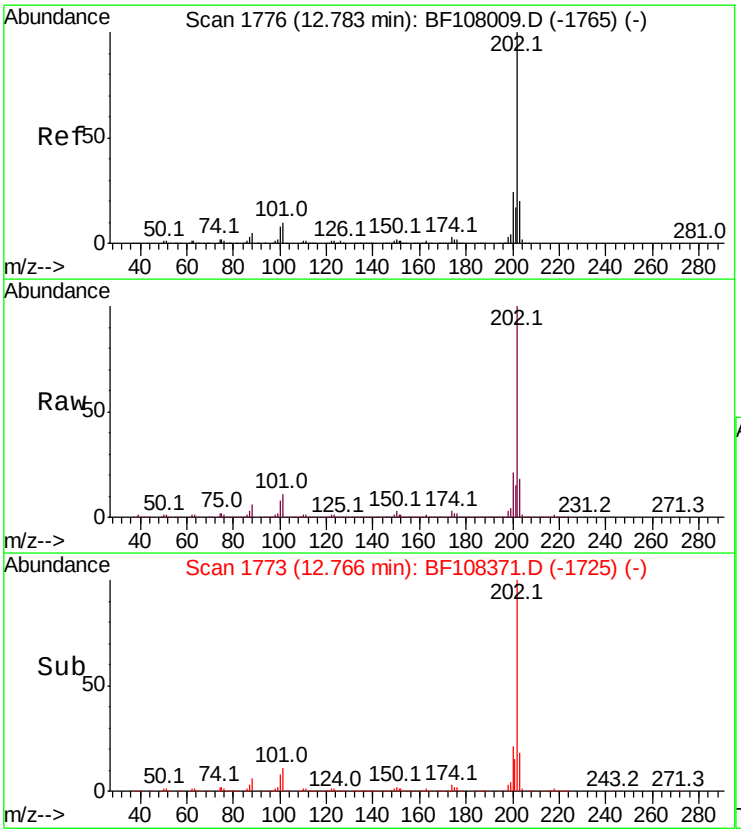
#72
Carbazole
Concen: 5.256 ng
RT: 11.77 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 86825

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.6	10.9	16.3

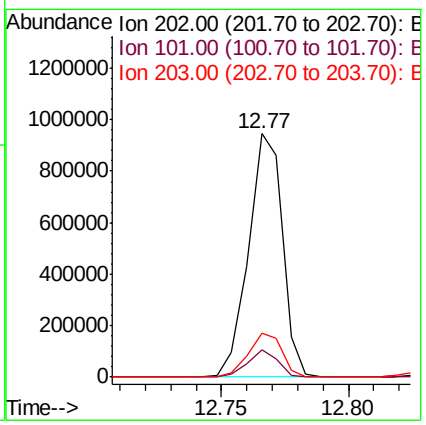


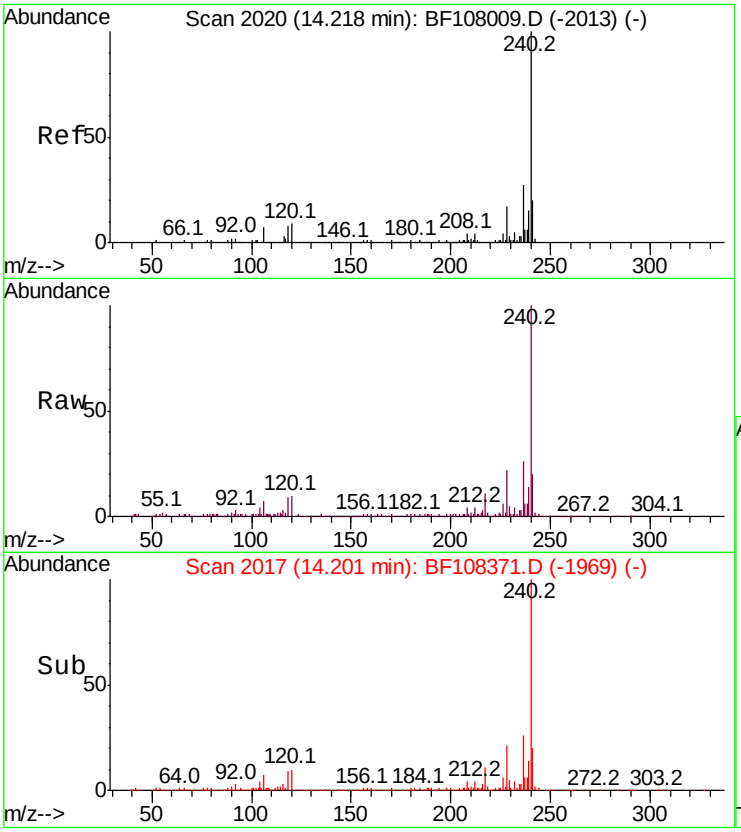


#74
Fluoranthene
Concen: 44.661 ng
RT: 12.77 min Scan# 1773
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:202 Resp: 884160

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	18.2	0.0	38.1



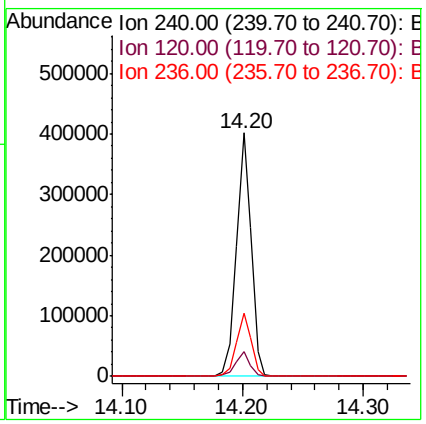


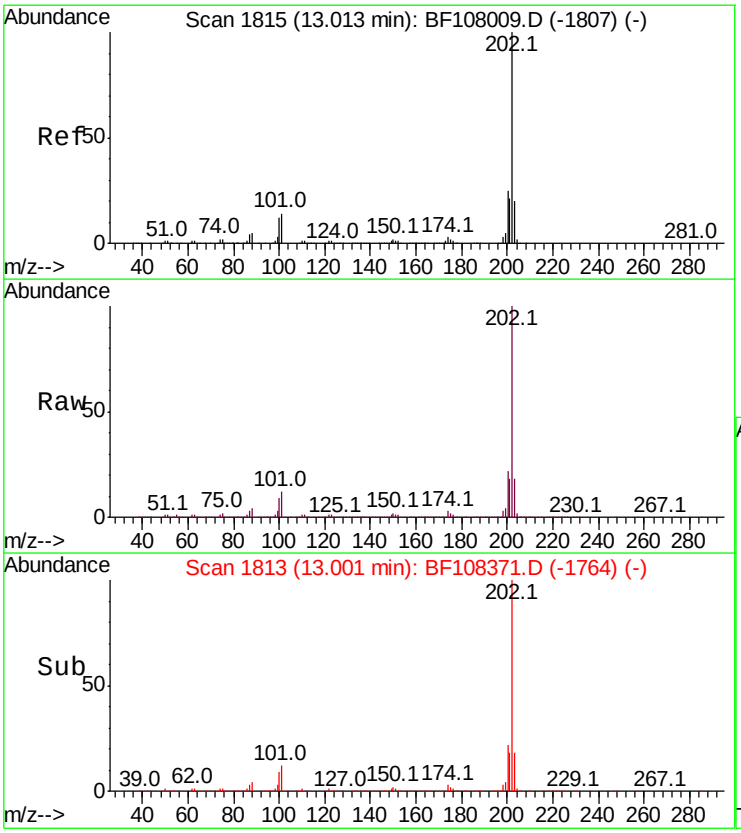
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 342863

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.1	20.7	31.1

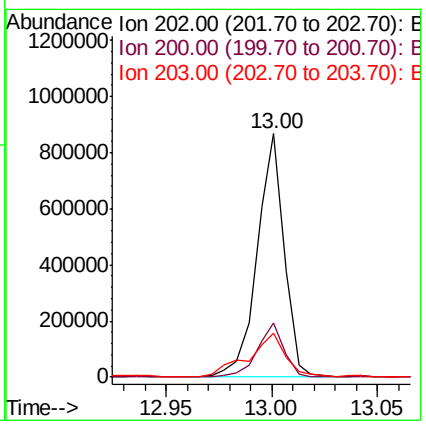


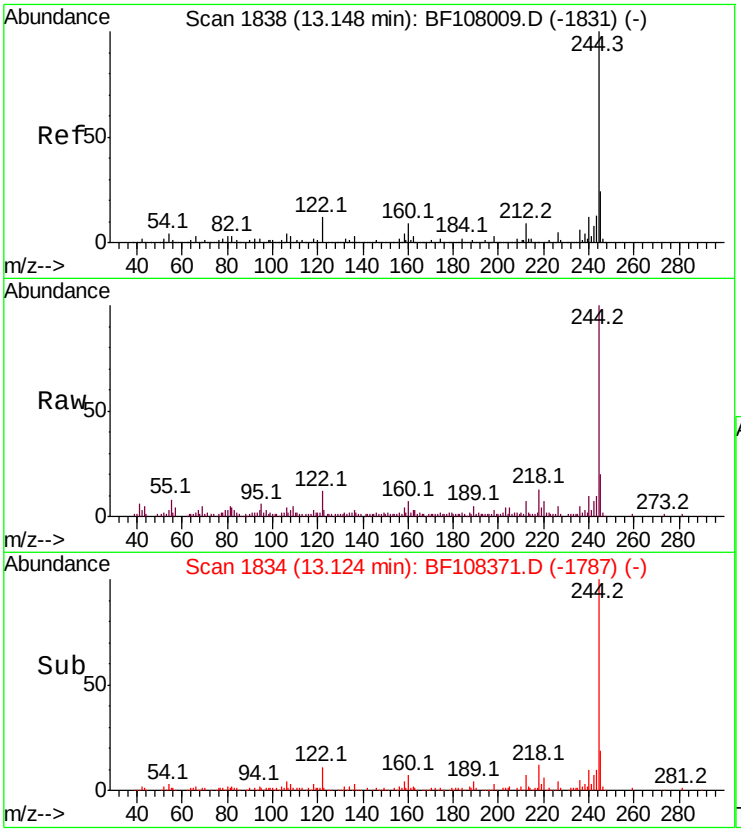


#77
Pyrene
Concen: 35.523 ng
RT: 13.00 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:202 Resp: 771090

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.2	14.3	21.5



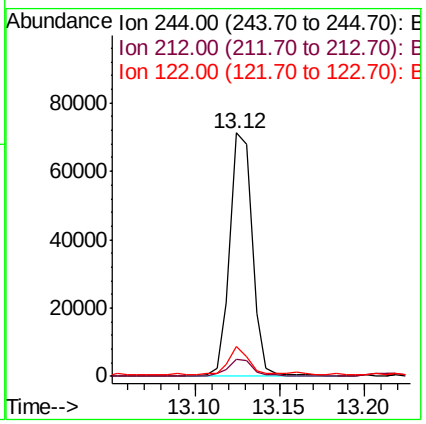


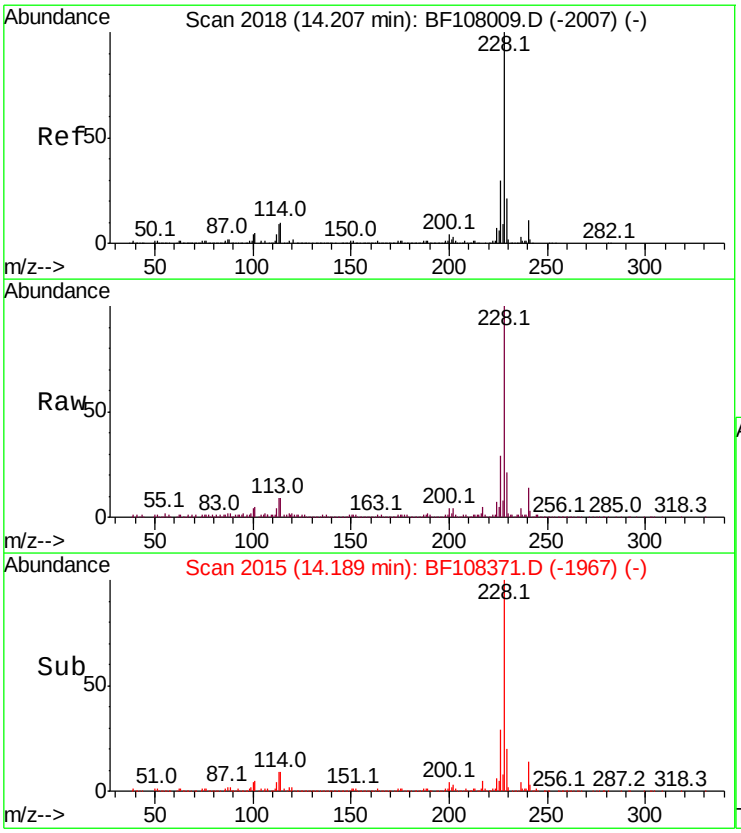
#78
Terphenyl-d14
Concen: 4.869 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 65663

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.1	11.0	16.4

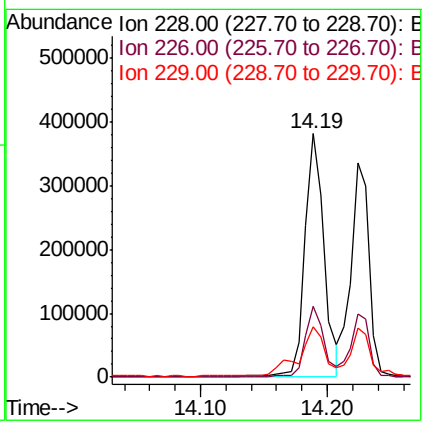


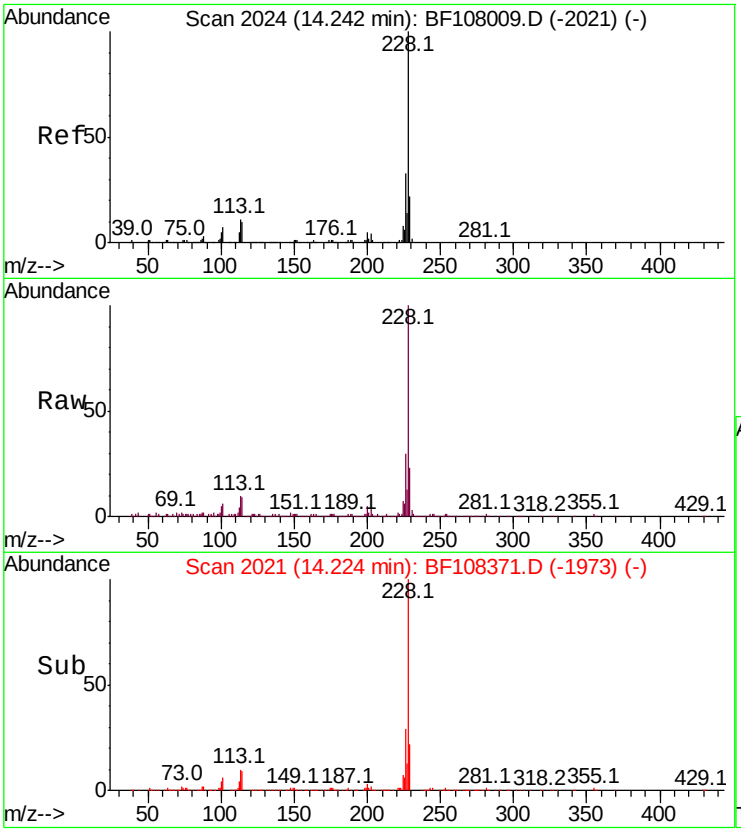


#80
Benzo(a)anthracene
Concen: 20.215 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:228 Resp: 397761

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.8	15.8	23.6



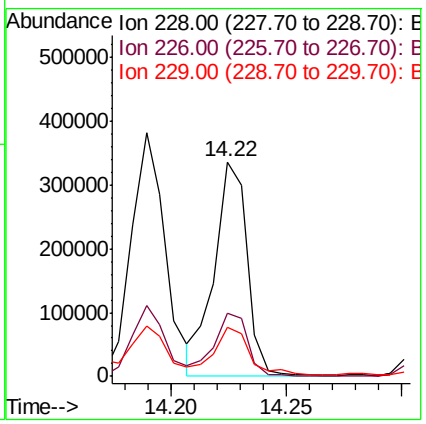


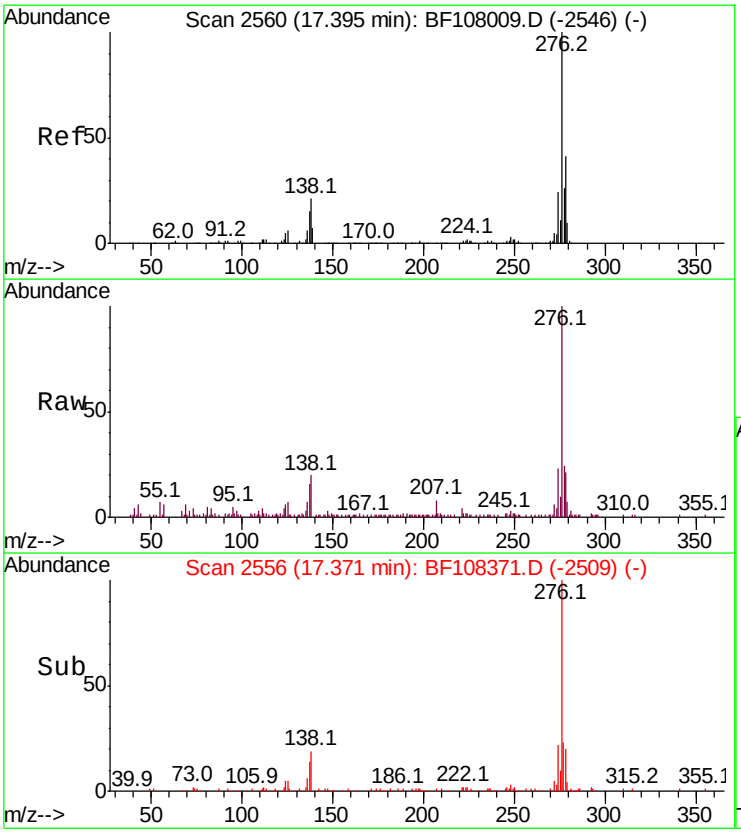
#82
Chrysene
Concen: 18.313 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 330362

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	22.7	16.2	24.4

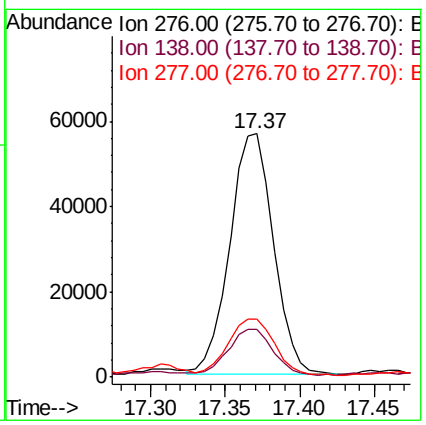


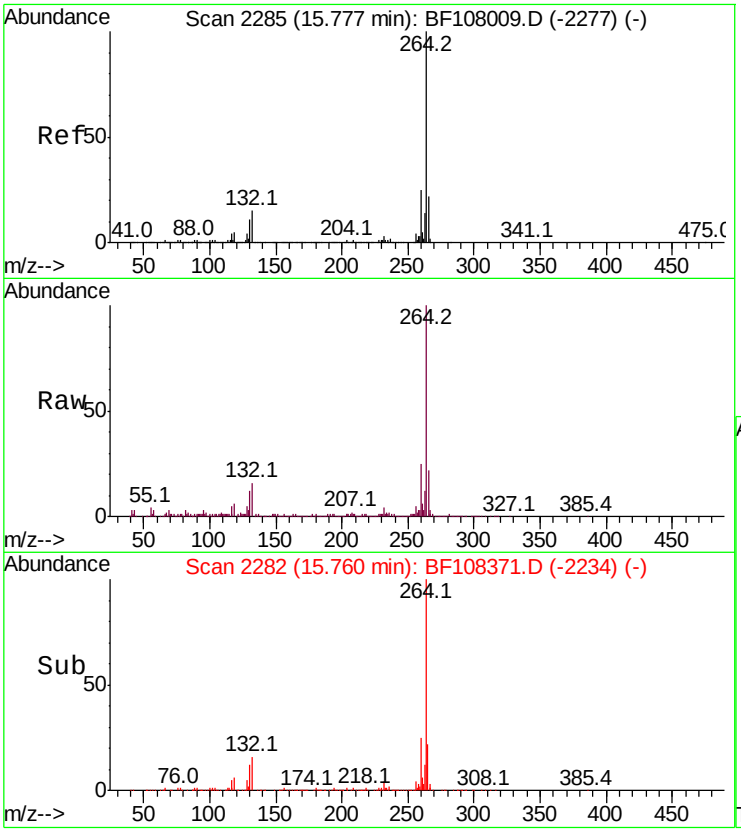


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.304 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:276 Resp: 114168

Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	24.8	20.1	30.1



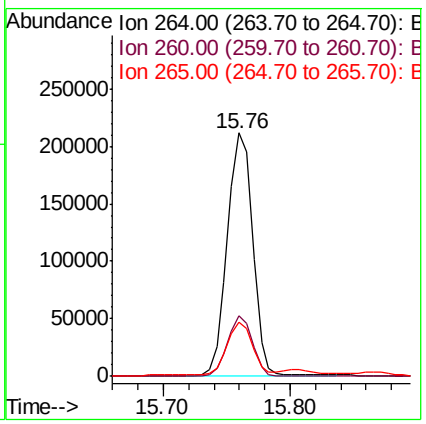


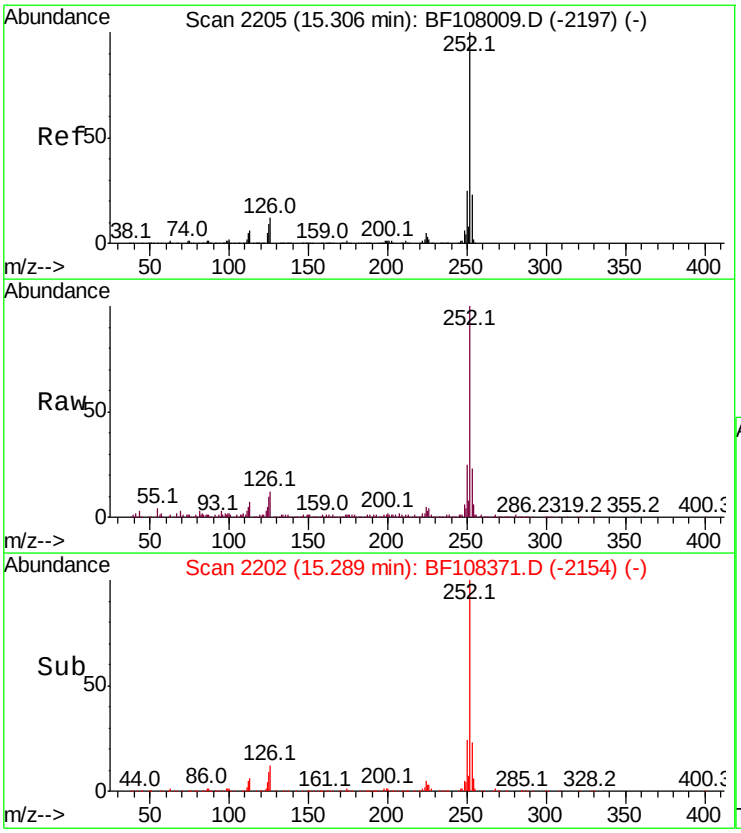
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.76 min Scan# 2282
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 292895

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.4	17.5	26.3

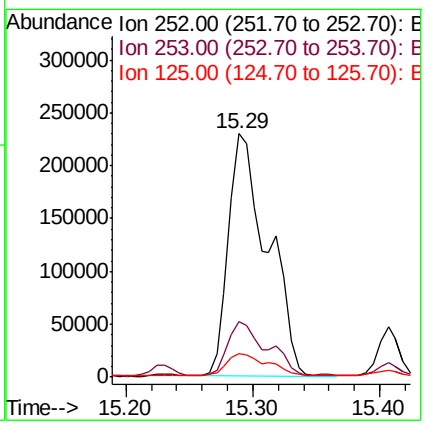


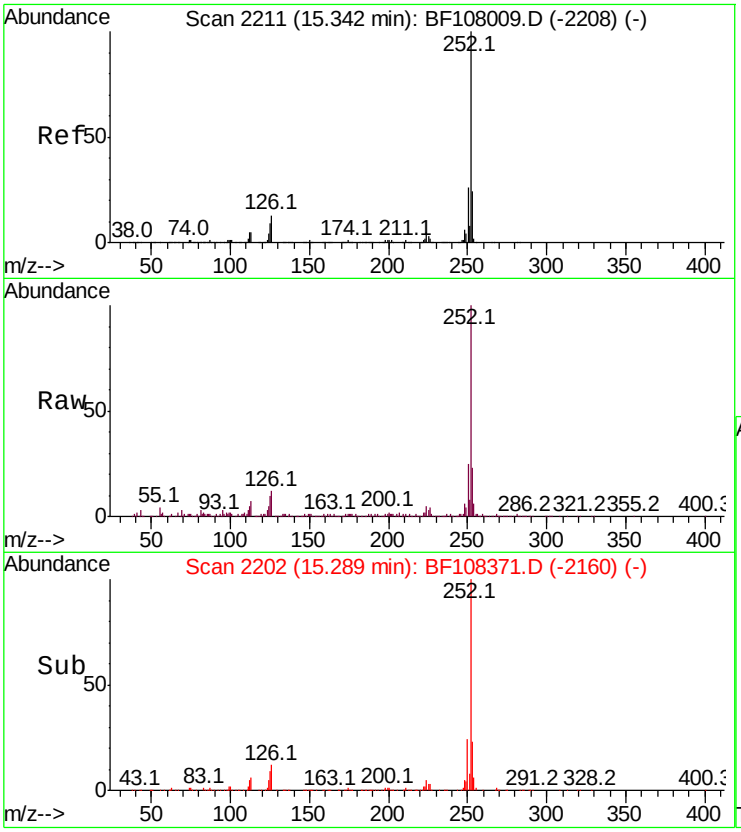


#87
Benzo(b)fluoranthene
Concen: 27.976 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:252 Resp: 489627

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.7	9.0	13.6



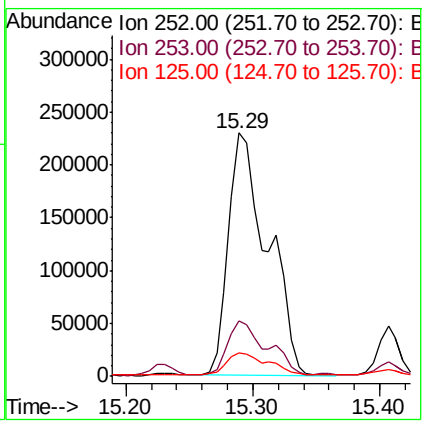


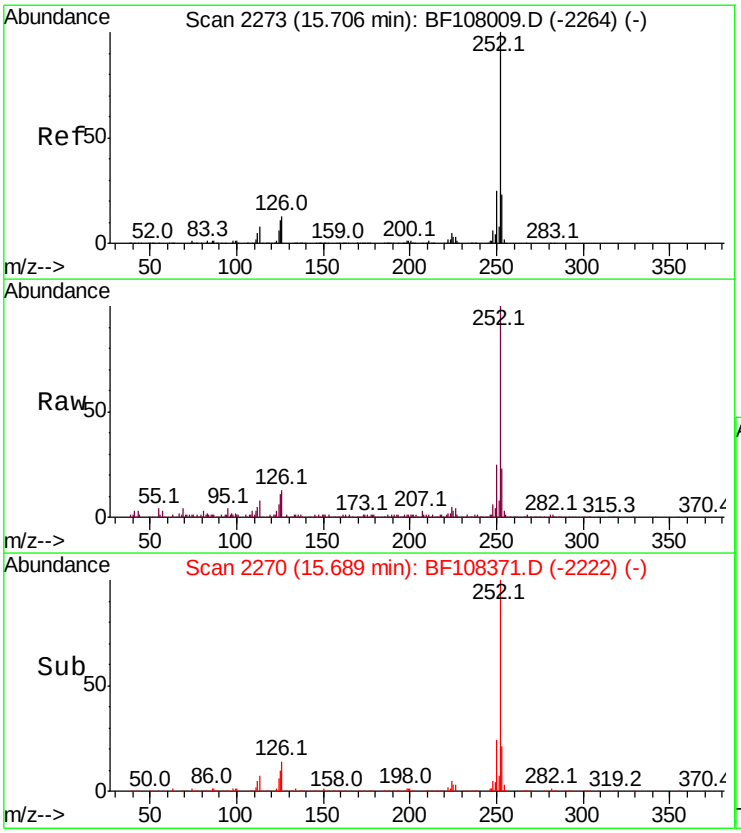
#88
Benzo(k)fluoranthene
Concen: 30.434 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 489627

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.7	10.2	15.2#

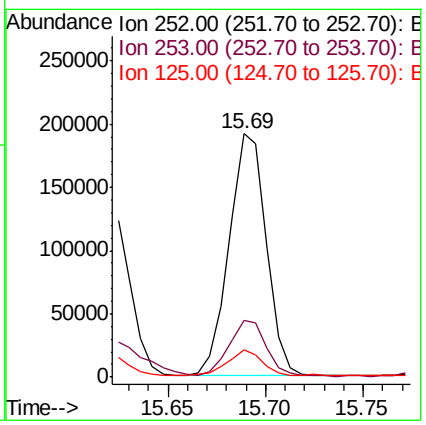


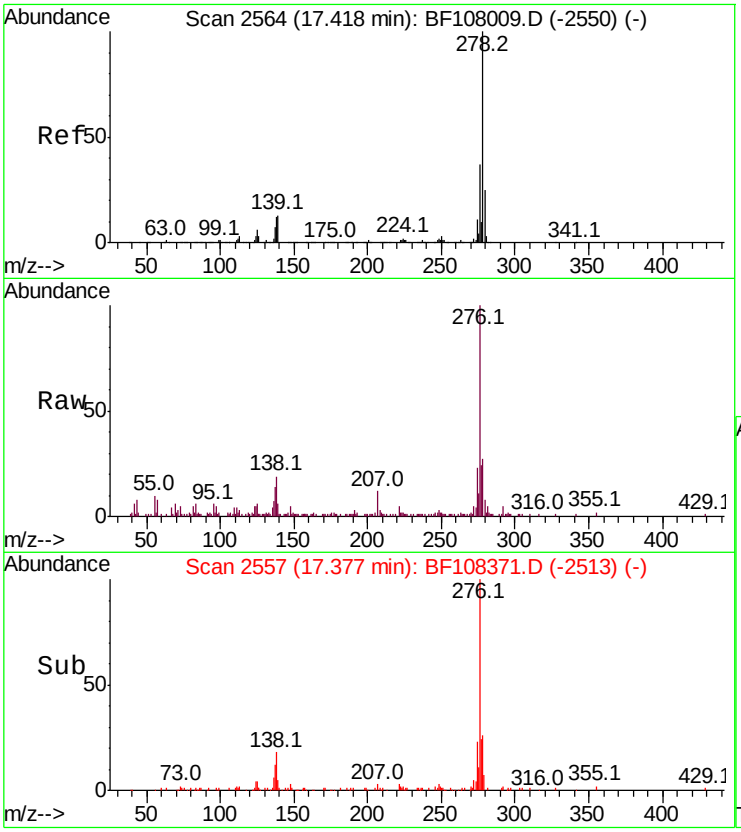


#89
Benzo(a)pyrene
Concen: 16.156 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:252 Resp: 253200

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	11.3	9.8	14.6



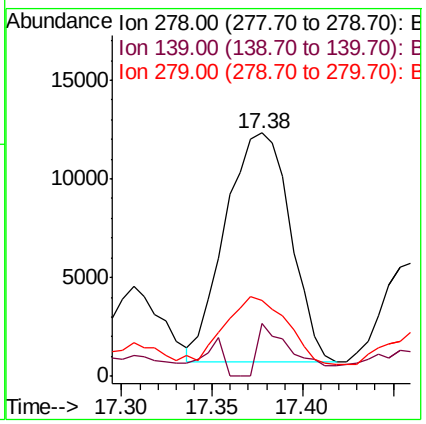


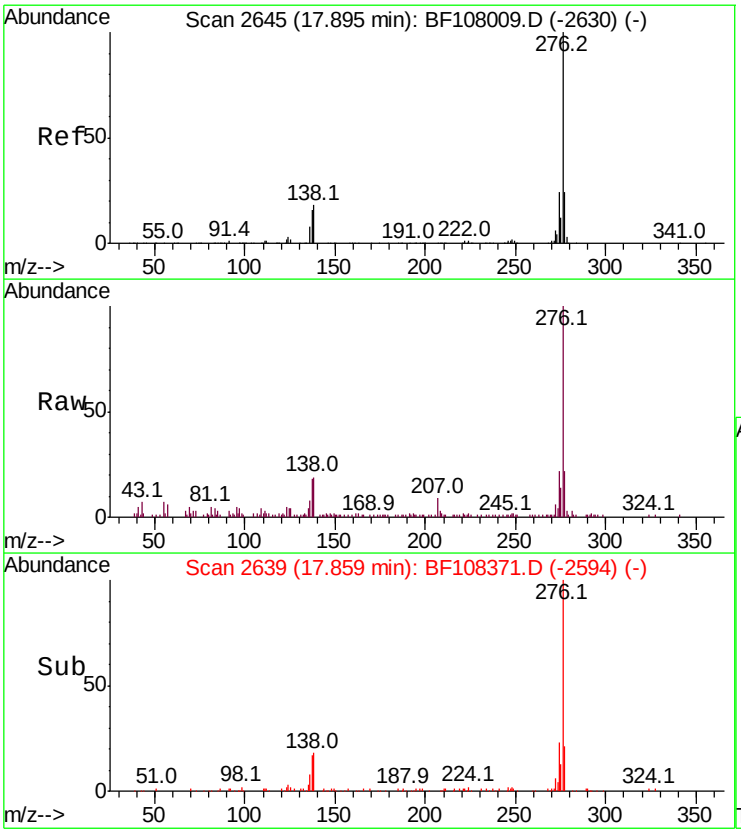
#90
Dibenzo(a,h)anthracene
Concen: 2.234 ng
RT: 17.38 min Scan# 2557
Delta R.T. -0.04 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 28974

Ion	Ratio	Lower	Upper
278	100		
139	21.5	15.9	23.9
279	31.1	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 8.184 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.04 min
Lab File: BF108371.D
Acq: 22 Aug 2018 7:08

Tgt Ion:276 Resp: 104505

Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	19.1	21.8	32.8#