Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108153.D
Acq On : 14 Aug 2018 19:01
Operator : JU/SJ
Sample : J4460-15DL 20X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 15 10:56:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	187041	20.00	ng		0.00
21) Naphthalene-d8	8.30	136	674440	20.00	ng		0.00
38) Acenaphthene-d10	10.07	164	290142	20.00	ng		0.00
63) Phenanthrene-d10	11.56	188	512288	20.00	ng		0.00
75) Chrysene-d12	14.22	240	459490	20.00	ng		0.00
86) Perylene-d12	15.78	264	308758	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	36872	3.57	ng		0.00
7) Phenol-d6	6.62	99	51695	3.77	ng		0.00
23) Nitrobenzene-d5	7.57	82	29918	2.48	ng		0.00
41) 2,4,6-Tribromophenol	10.85	330	8615	2.98	ng		0.00
44) 2-Fluorobiphenyl	9.37	172	54531	3.02	ng		0.00
78) Terphenyl-d14	13.14	244	51276	2.84	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.32	128	162265	5.290	ng		98
32) Benzoic acid	8.07	122	2021	6.273	ng	#	15
50) 2,6-Dinitrotoluene	10.07	165	39637	9.374	ng	#	26
51) Acenaphthene	10.10	154	81524	4.980	ng		99
54) Dibenzofuran	10.27	168	99976	4.215	ng		98
55) 4-Nitrophenol	10.27	139	38693	11.044	ng	#	10
57) Fluorene	10.61	166	97742	5.206	ng		98
70) Phenanthrene	11.59	178	1421496	58.830	ng		99
71) Anthracene	11.64	178	292602	11.815	ng		99
72) Carbazole	11.79	167	190280	8.648	ng		99
74) Fluoranthene	12.78	202	1695925	64.311	ng		96
77) Pyrene	13.02	202	1478533	50.825	ng		98
80) Benzo(a)anthracene	14.21	228	772749	29.304	ng		99
82) Chrysene	14.24	228	662711	27.412	ng		98
85) Indeno(1,2,3-cd)pyrene	17.39	276	208304	9.944	ng	#	88
87) Benzo(b)fluoranthene	15.31	252	834416	45.227	ng		97
88) Benzo(k)fluoranthene	15.31	252	834416	49.200	ng	#	97
89) Benzo(a)pyrene	15.64	252	269001	16.282	ng		97
90) Dibenzo(a,h)anthracene	17.41	278	57638	4.217	ng		95
91) Benzo(g,h,i)perylene	17.89	276	199653	14.833	ng	#	88

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

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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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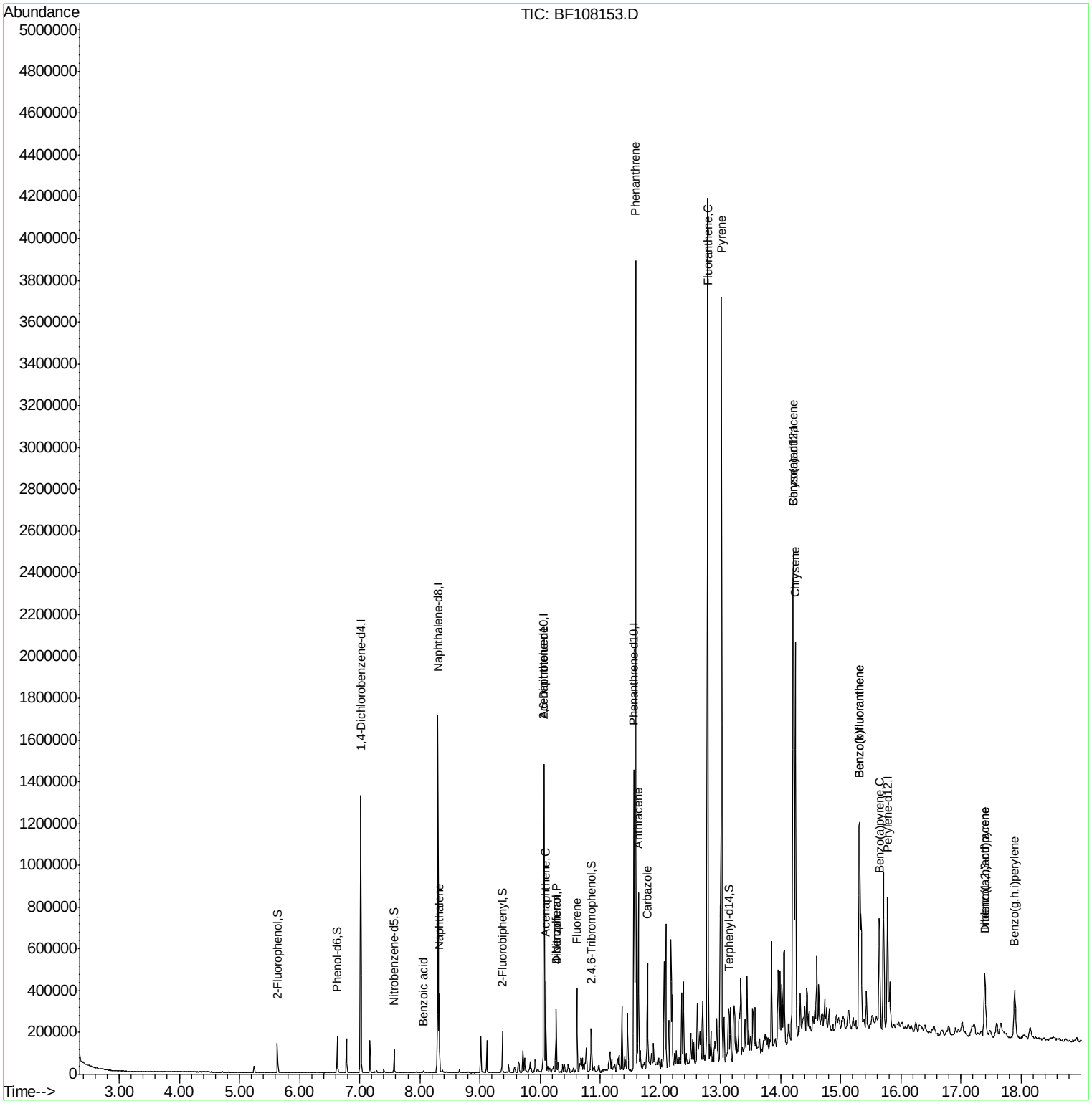
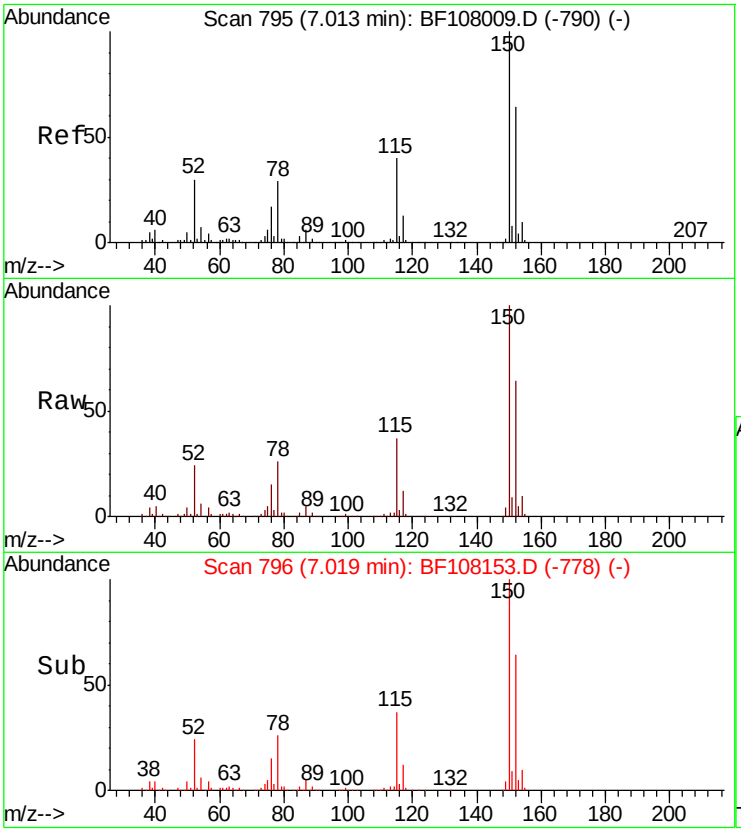


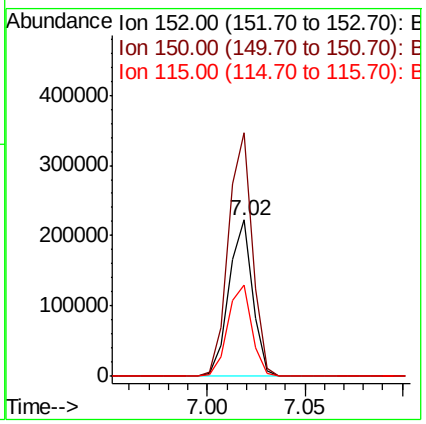


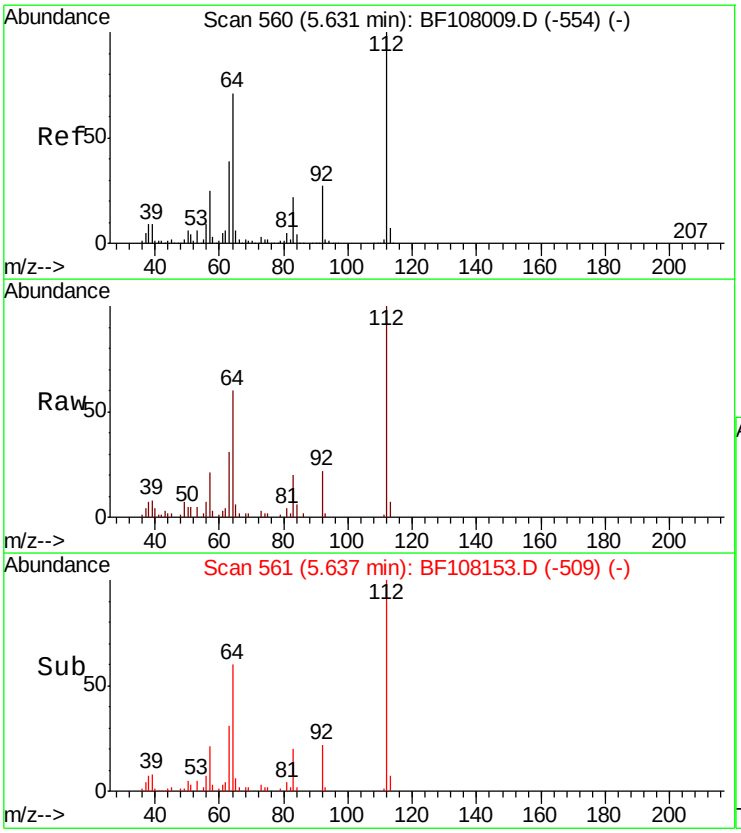
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 187041

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	58.0	50.1	75.1

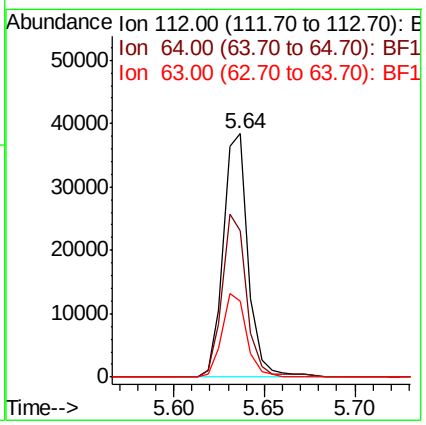


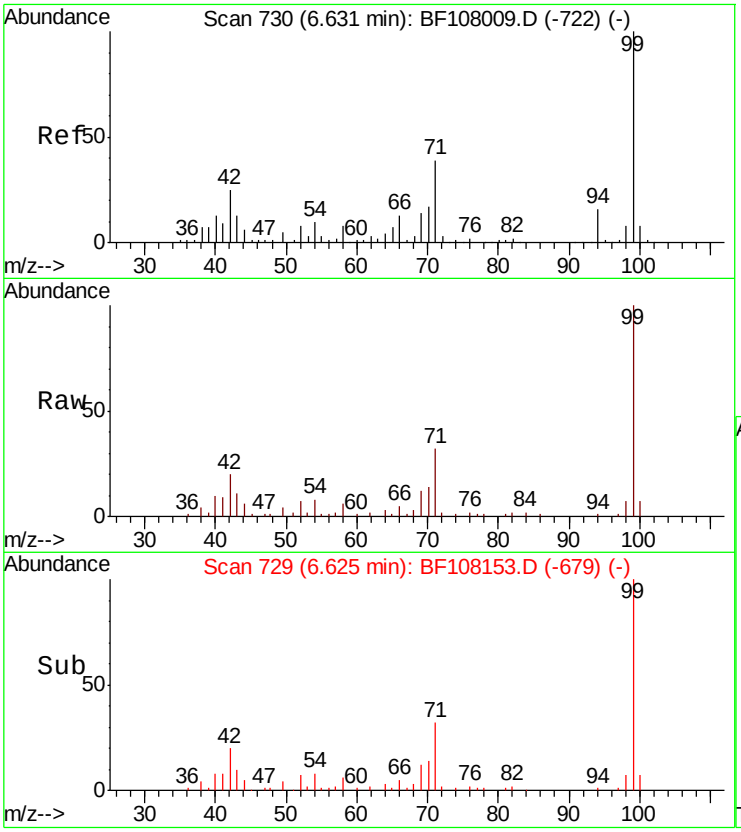


#5
2-Fluorophenol
Concen: 3.569 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:112 Resp: 36872

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	31.4	23.7	35.5



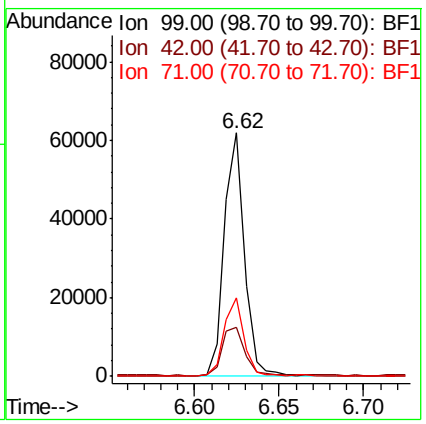


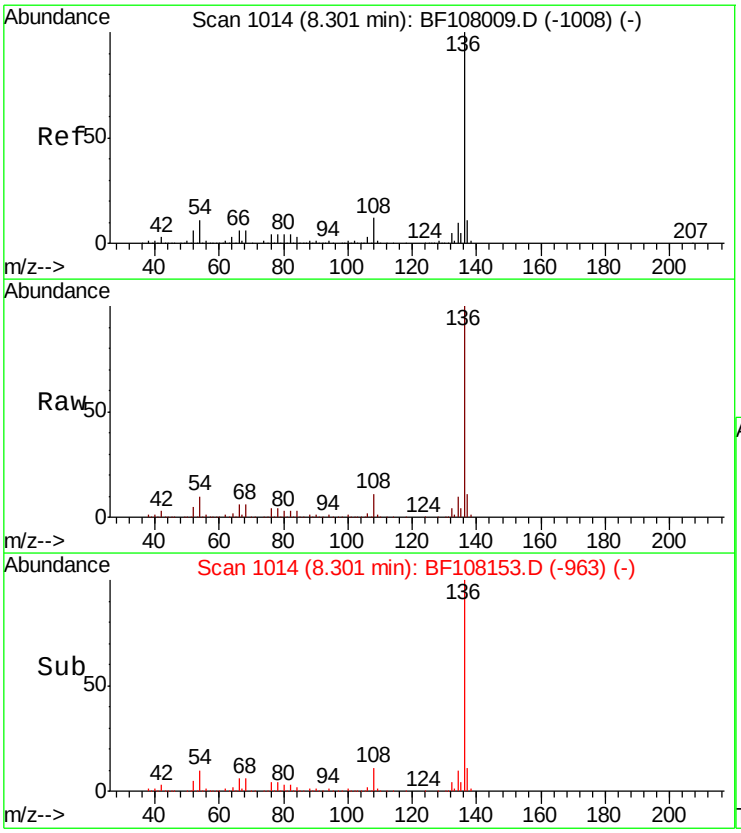
#7
Phenol-d6
Concen: 3.765 ng
RT: 6.62 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 51695

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	32.4	25.4	38.0

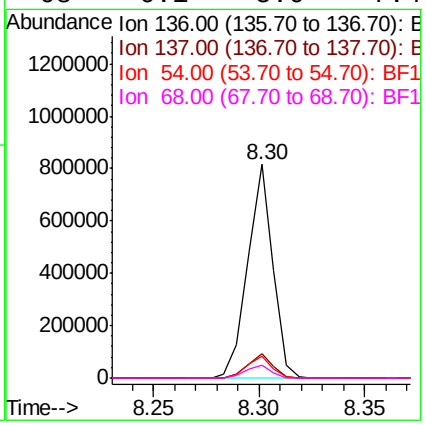


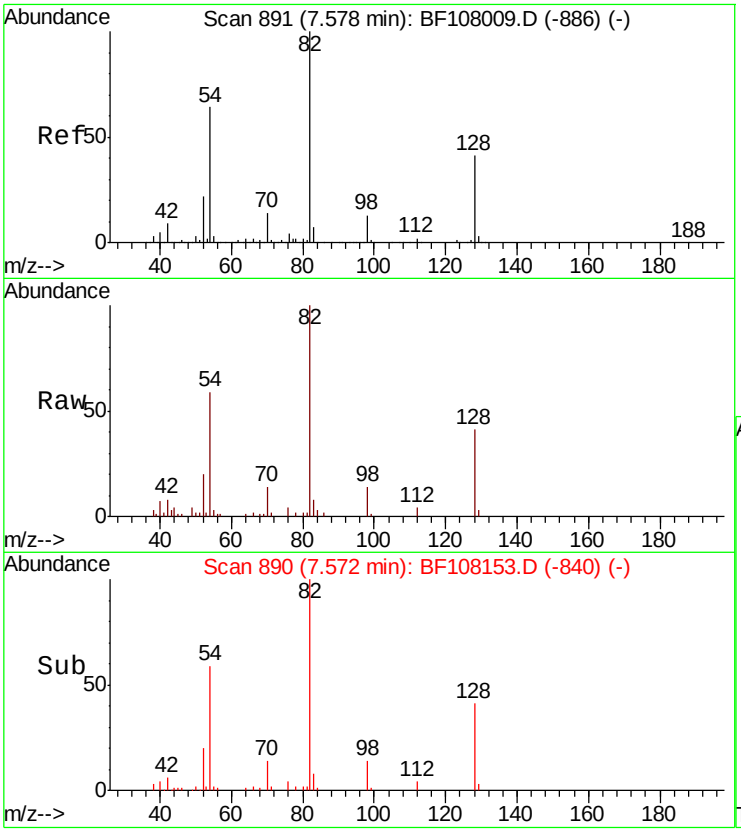


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:136 Resp: 674440

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.1	6.6	9.8#
68	6.1	5.0	7.4



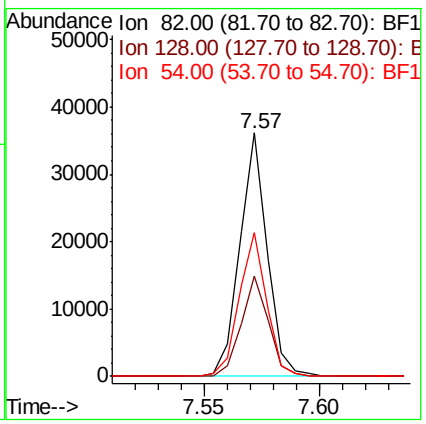


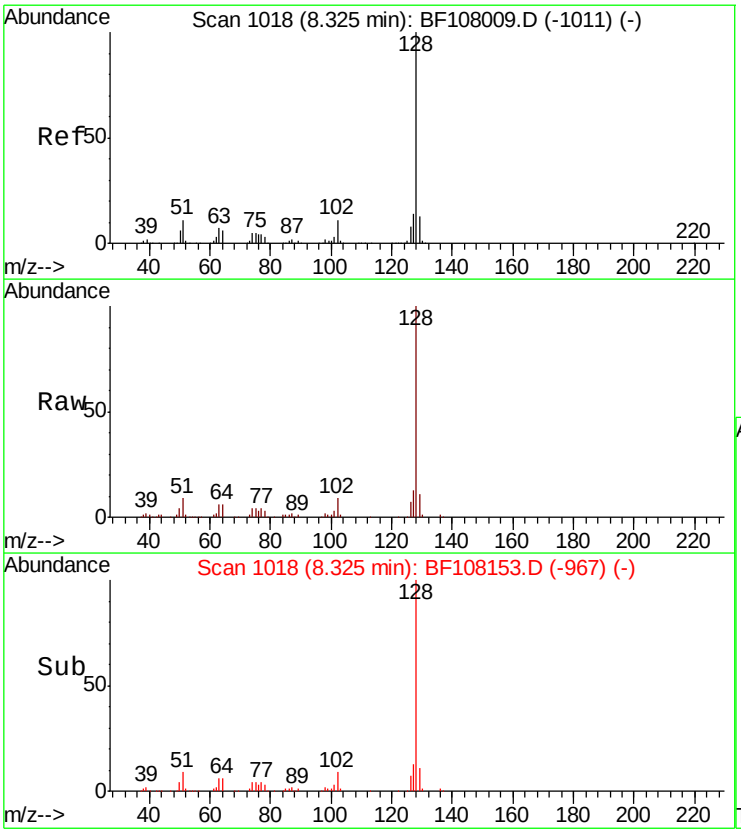
#23
Nitrobenzene-d5
Concen: 2.475 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 29918

Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	59.0	41.4	62.2

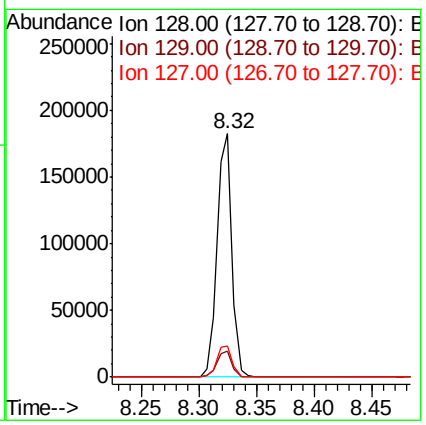


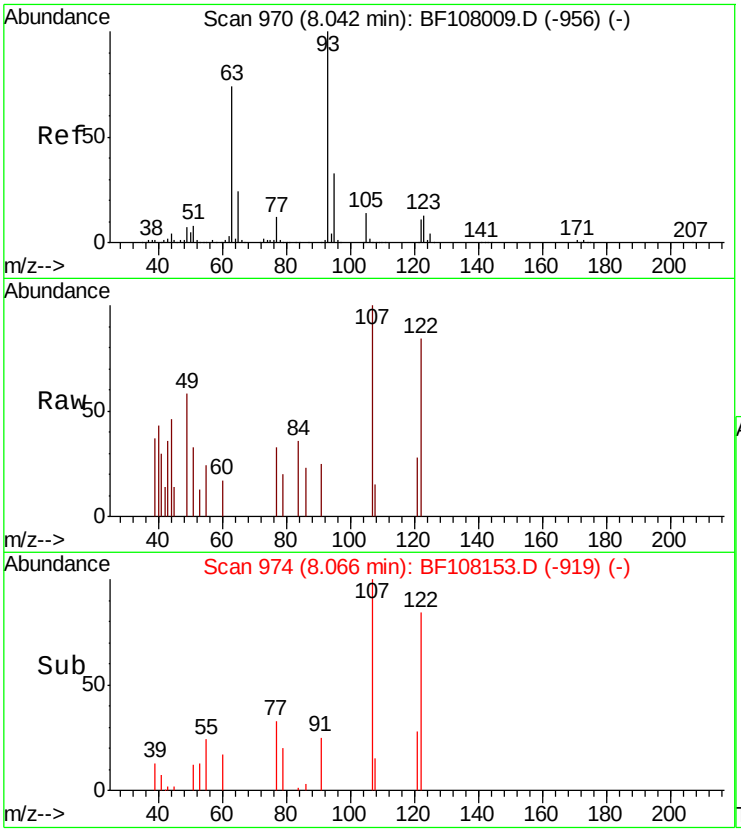


#31
Naphthalene
Concen: 5.290 ng
RT: 8.32 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:128 Resp: 162265

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.7	10.9	16.3



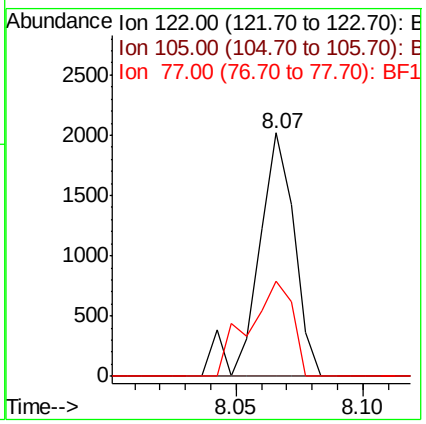


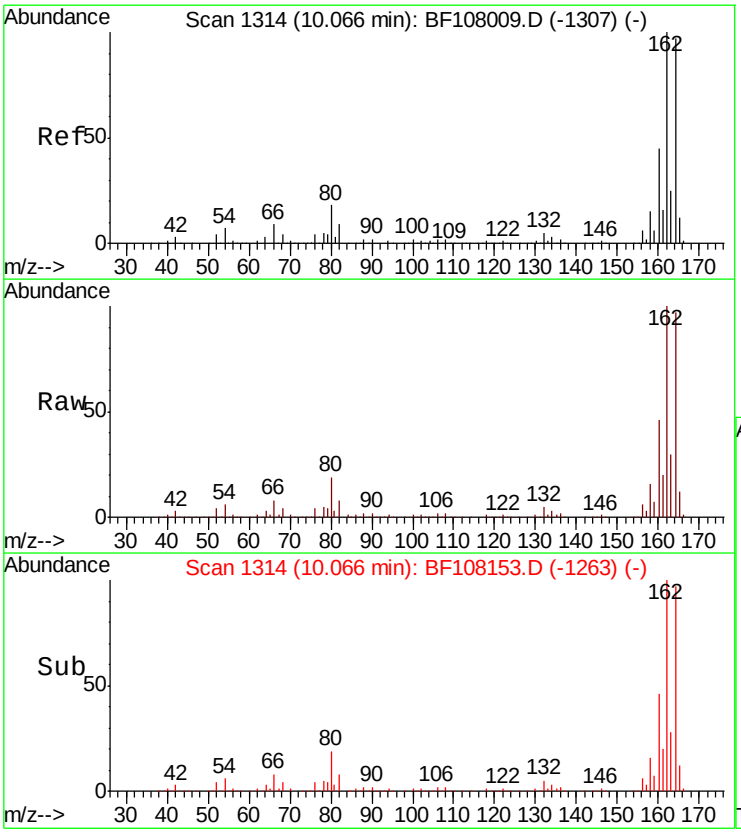
#32
Benzoic acid
Concen: 6.273 ng
RT: 8.07 min Scan# 974
Delta R.T. 0.02 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 2021

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	39.1	70.7	110.7#

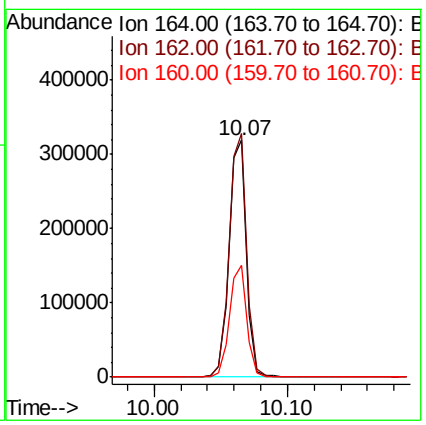


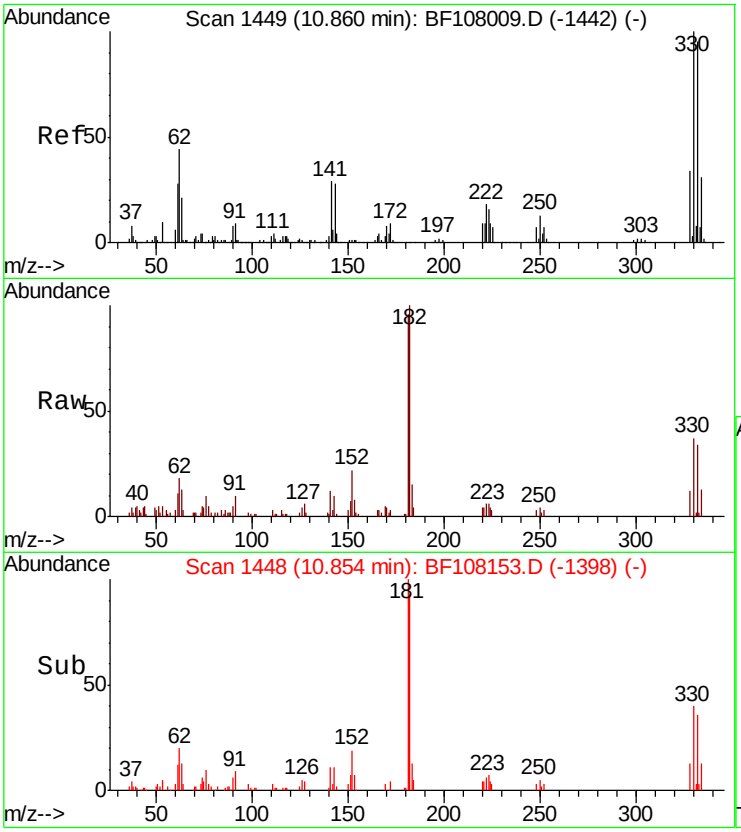


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:164 Resp: 290142

Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	47.2	38.3	57.5



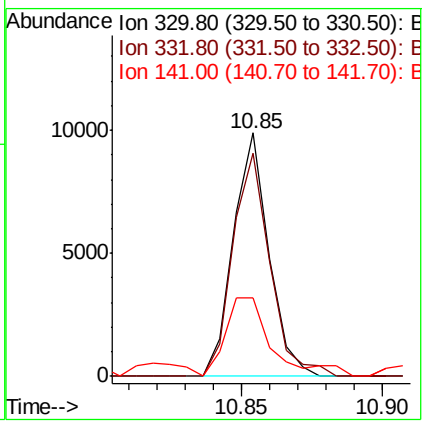


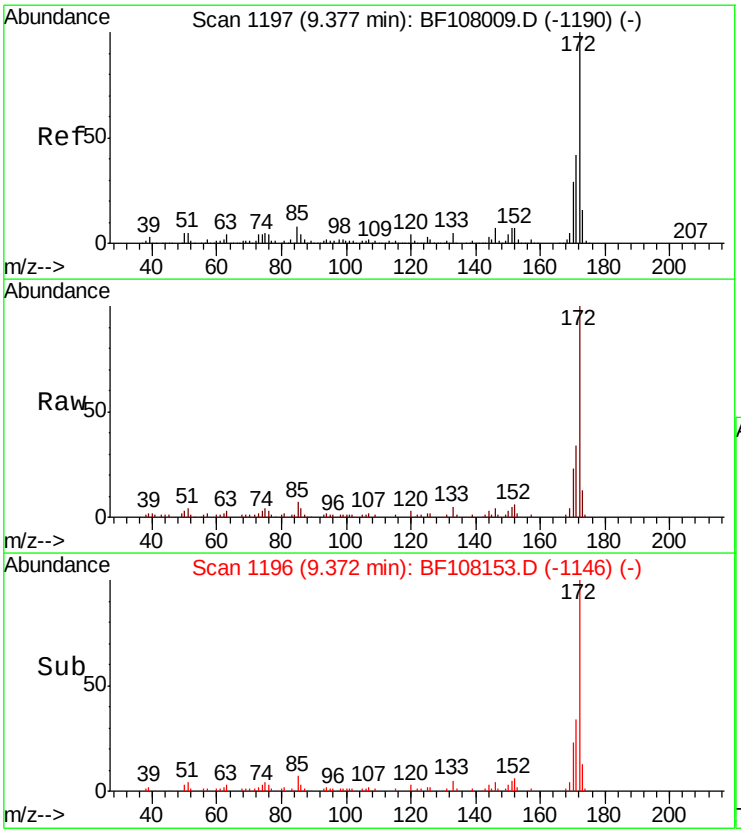
#41
2,4,6-Tribromophenol
Concen: 2.977 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 8615

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	42.6	29.9	44.9

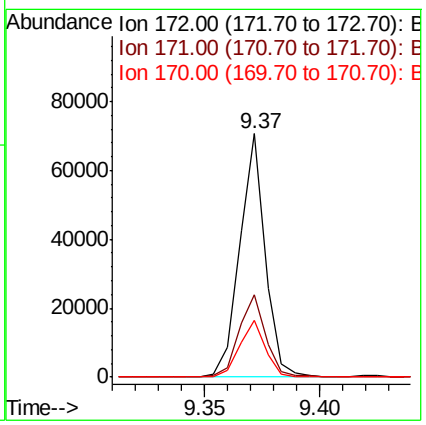


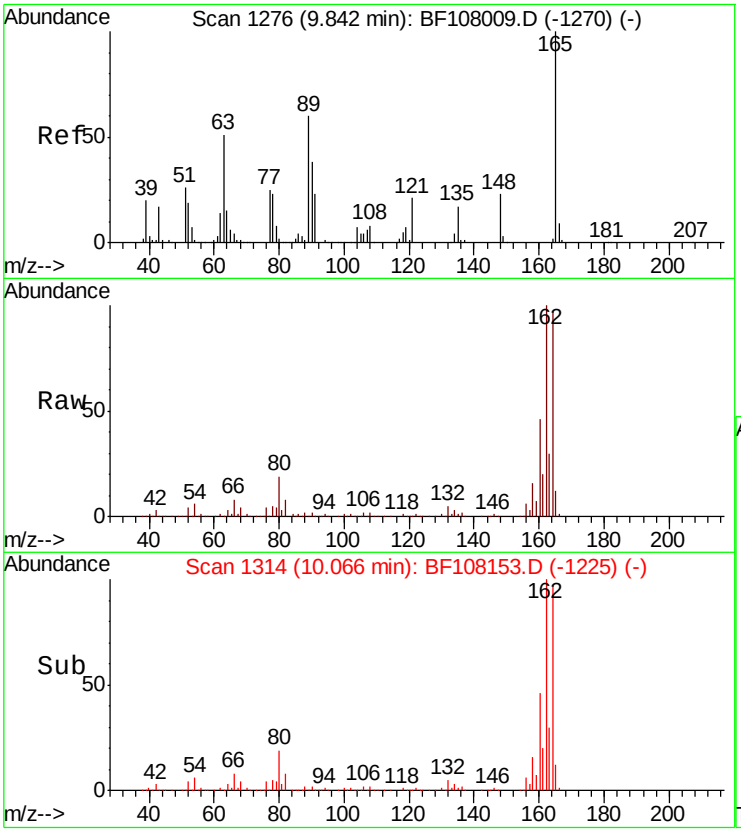


#44
2-Fluorobiphenyl
Concen: 3.017 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:172 Resp: 54531

Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.7	44.5
170	23.2	19.6	29.4



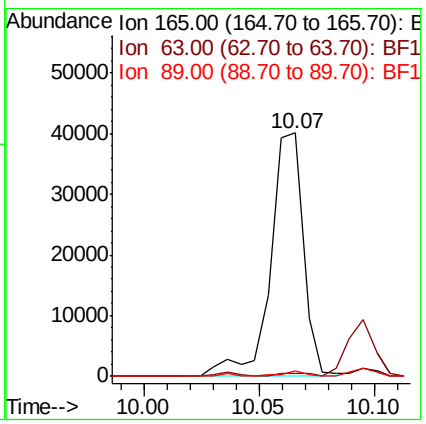


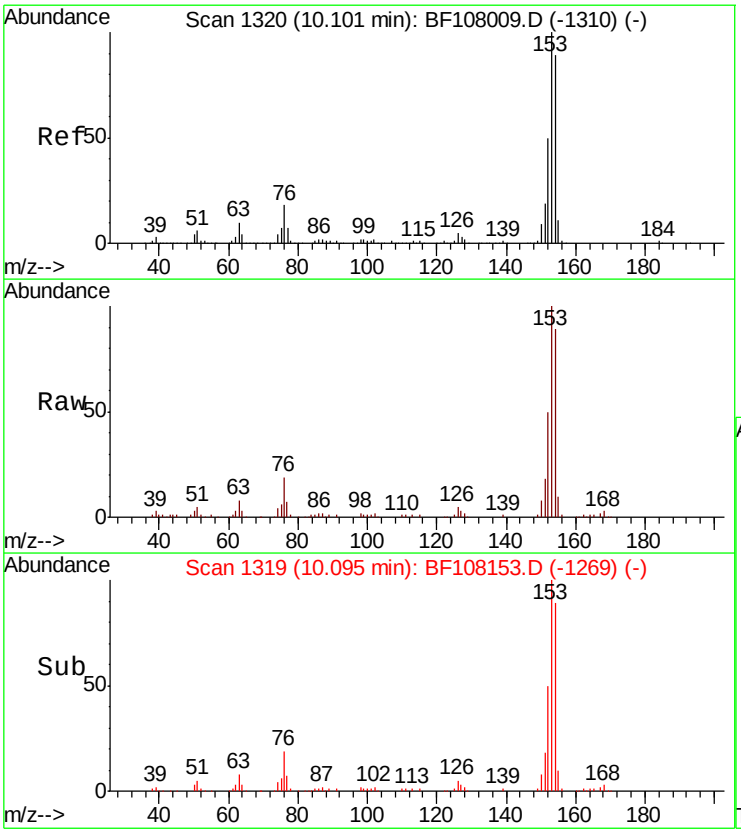
#50
2,6-Dinitrotoluene
Concen: 9.374 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.22 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 39637

Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	2.2	44.0	66.0#

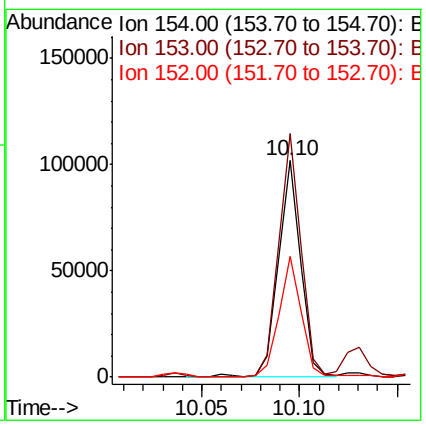


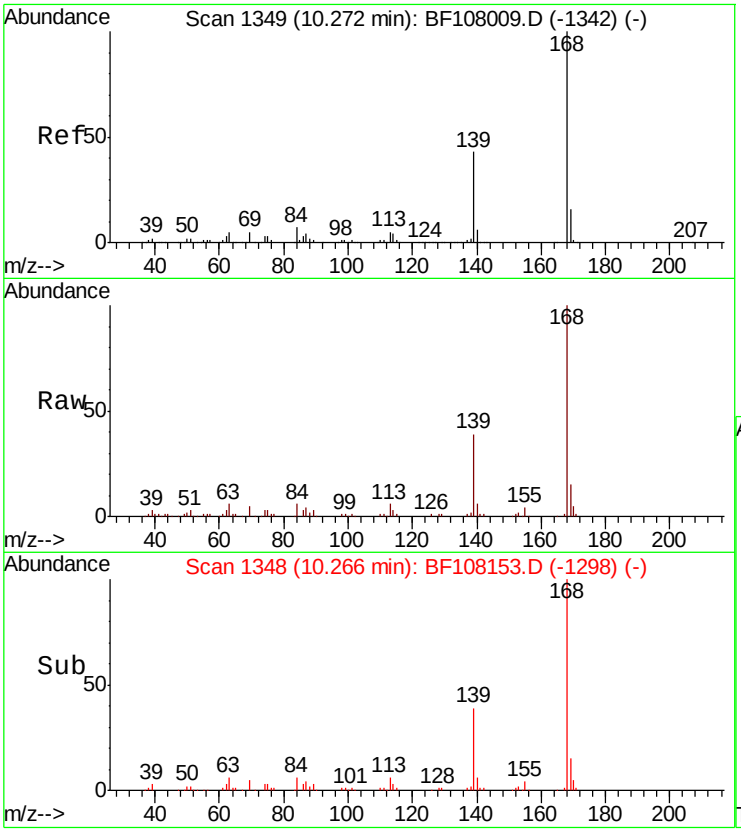


#51
Acenaphthene
Concen: 4.980 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:154 Resp: 81524

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.2	136.8
152	55.6	43.8	65.8



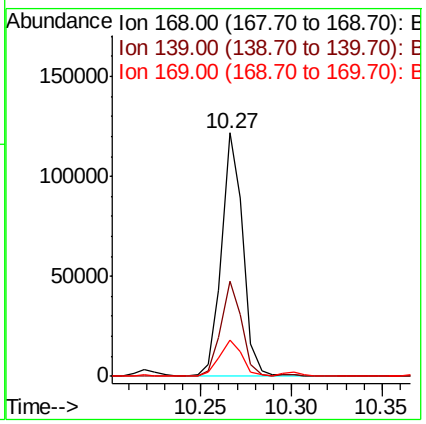


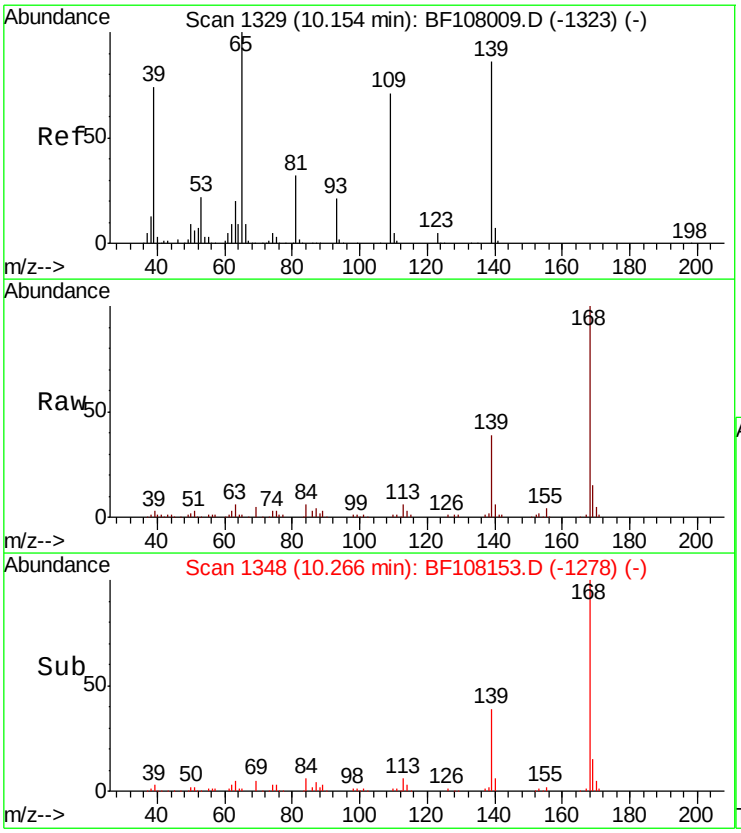
#54
Dibenzofuran
Concen: 4.215 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 99976

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.1	45.1
169	14.7	10.9	16.3

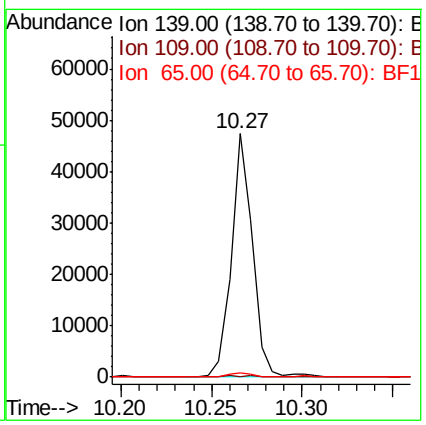


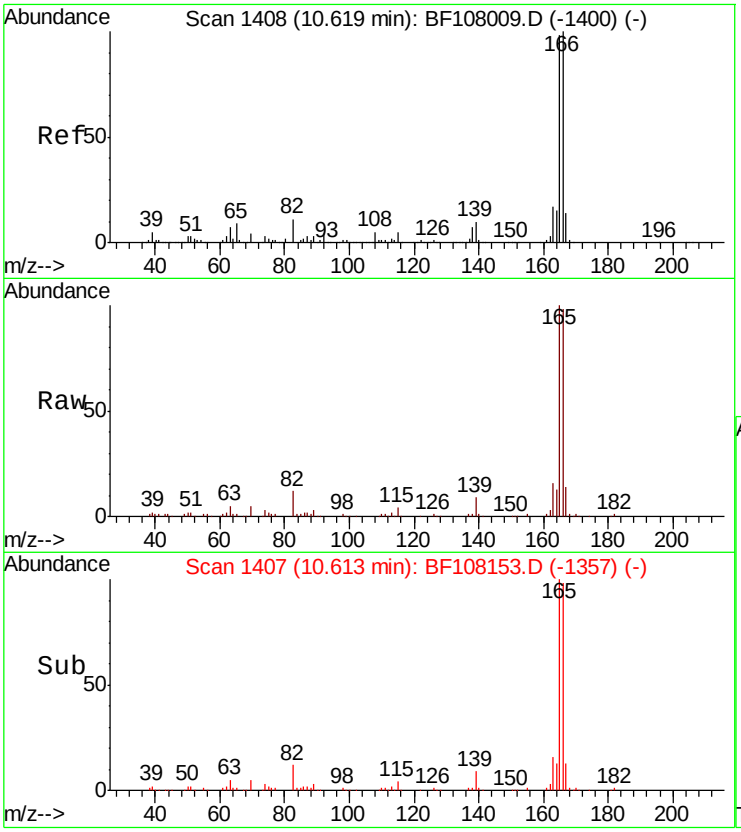


#55
4-Nitrophenol
Concen: 11.044 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.11 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:139 Resp: 38693

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	1.7	72.6	112.6#



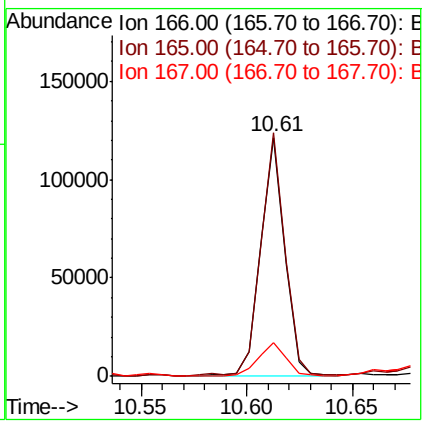


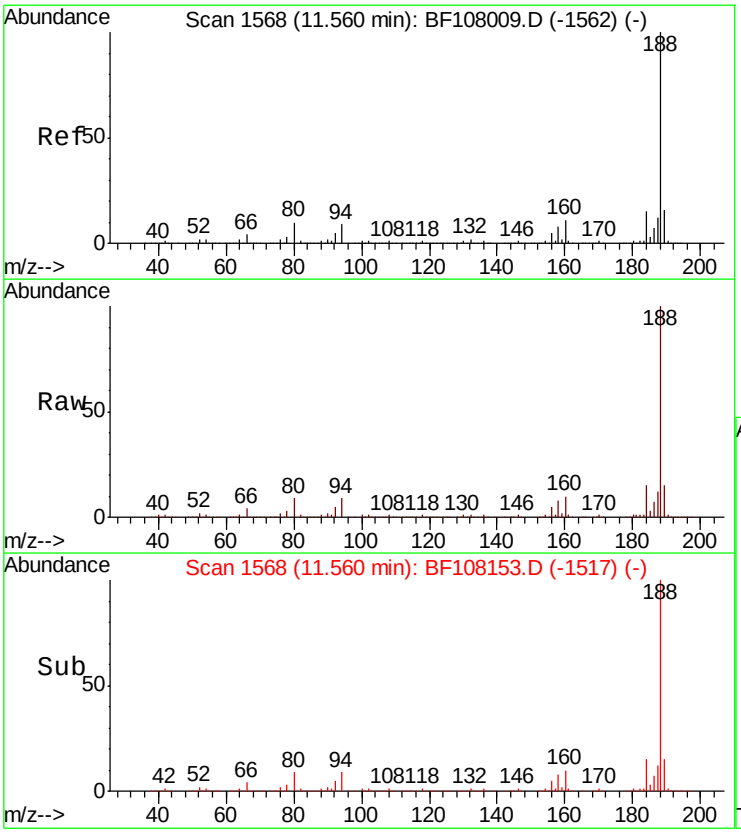
#57
Fluorene
Concen: 5.206 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 97742

Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.8	119.8
167	13.9	10.6	16.0

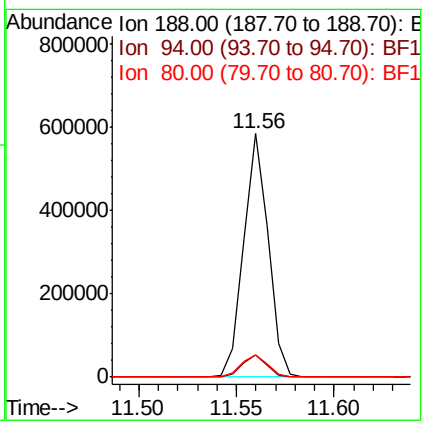


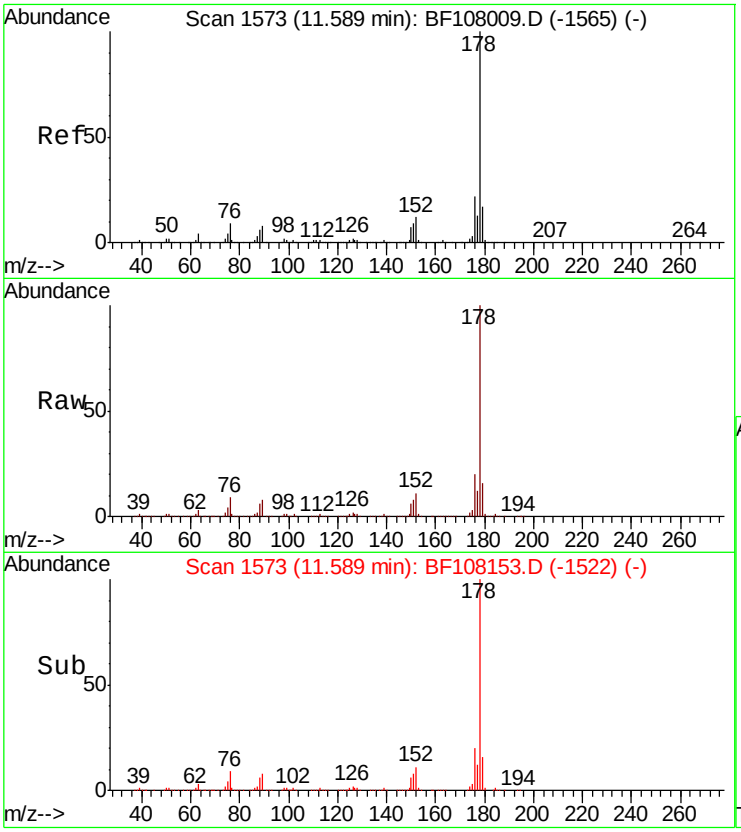


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:188 Resp: 512288

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.3	9.2	13.8



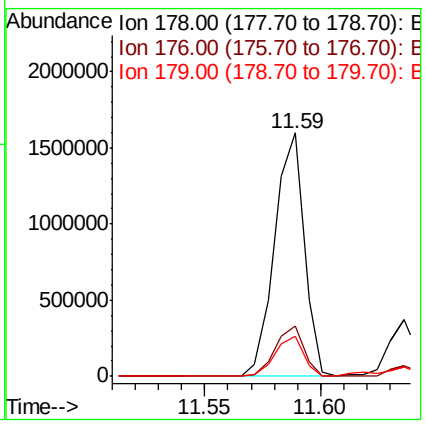


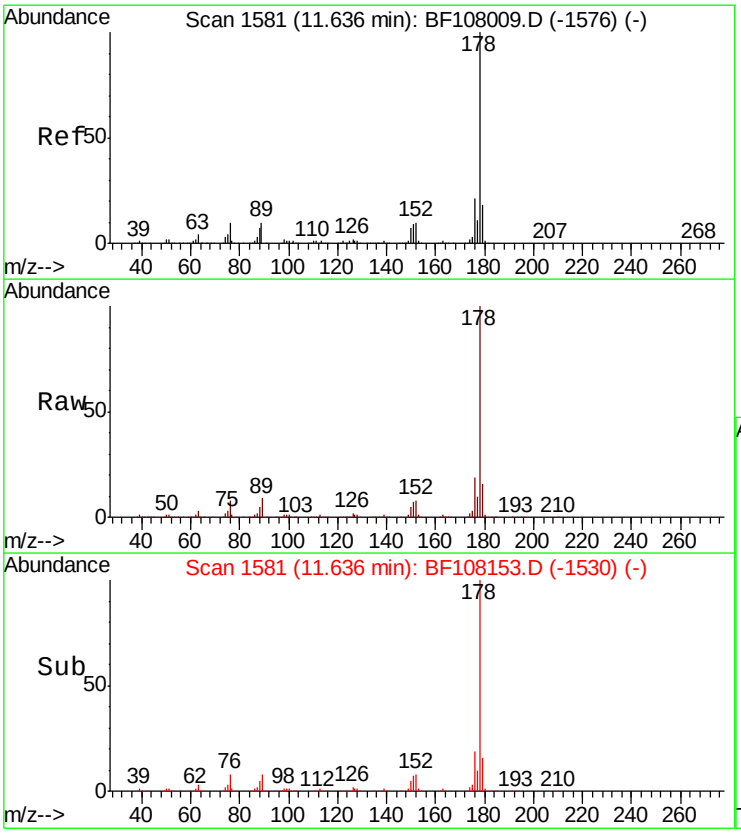
#70
Phenanthrene
Concen: 58.830 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1421496

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.2	13.0	19.6

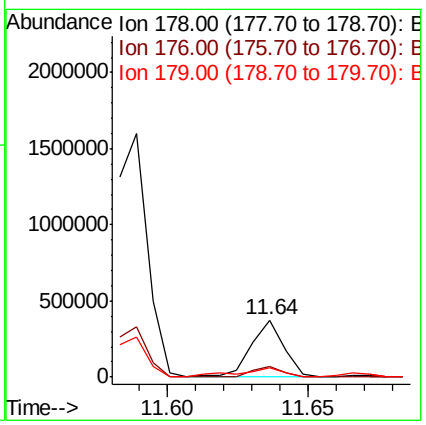


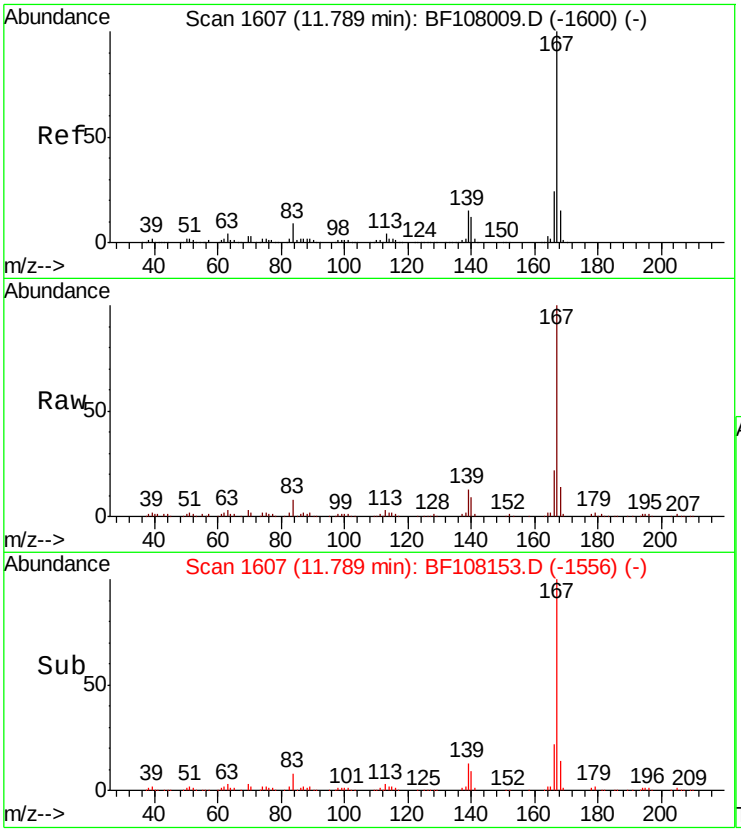


#71
Anthracene
Concen: 11.815 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:178 Resp: 292602

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0



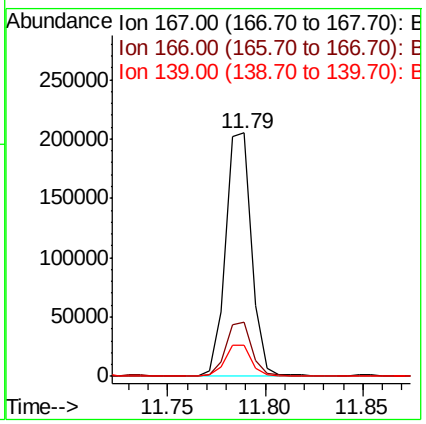


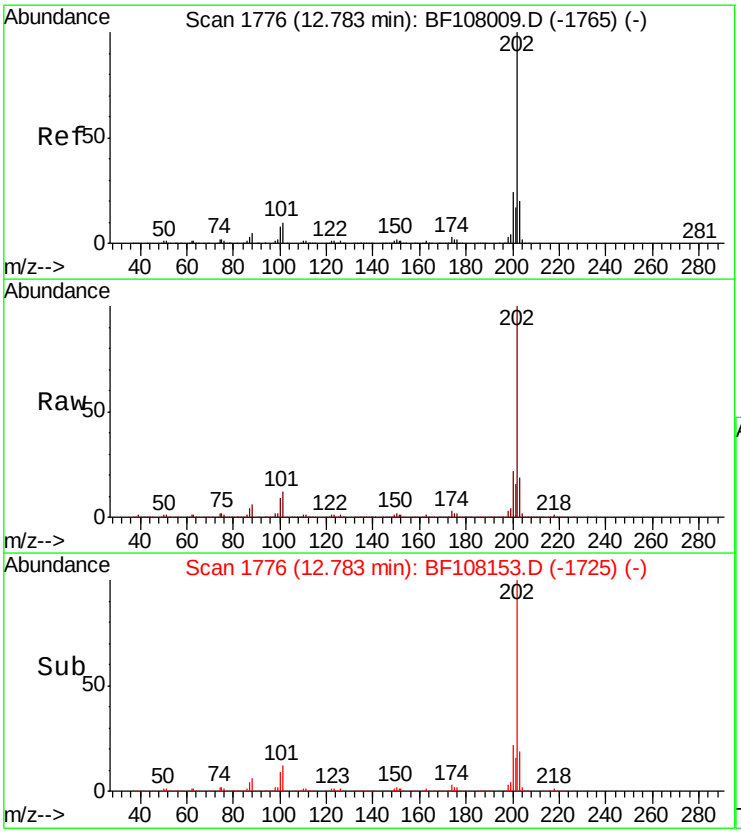
#72
Carbazole
Concen: 8.648 ng
RT: 11.79 min Scan# 1607
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 190280

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.7	10.9	16.3

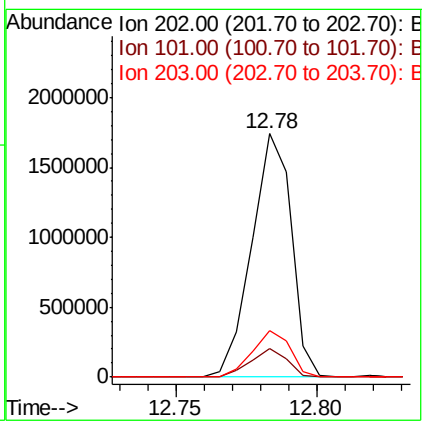


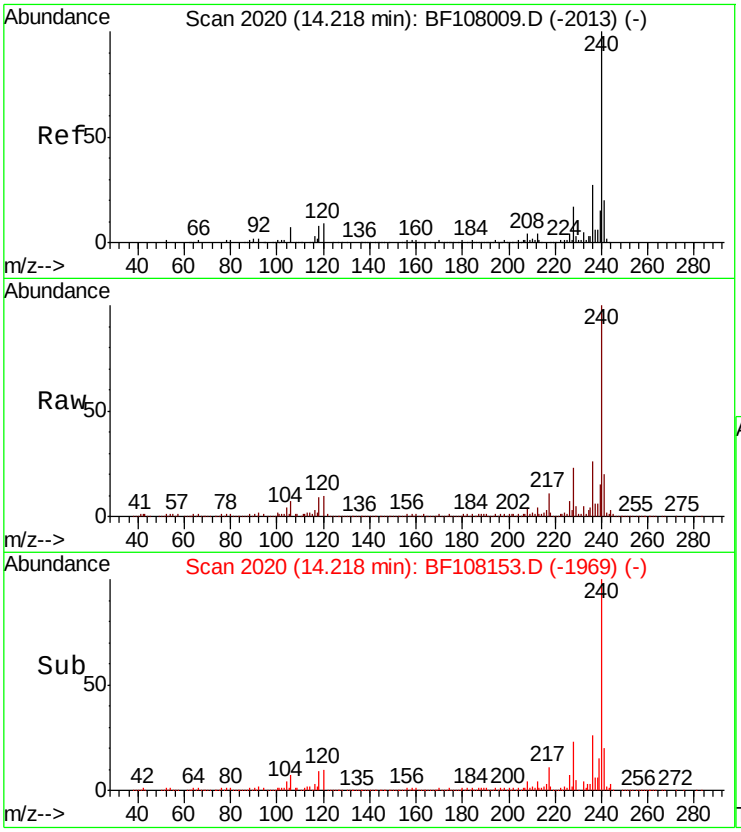


#74
Fluoranthene
Concen: 64.311 ng
RT: 12.78 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:202 Resp: 1695925

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	19.0	0.0	38.1



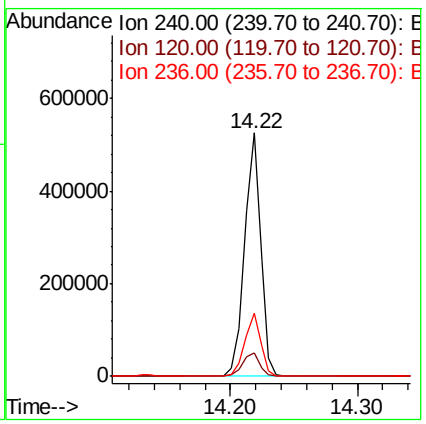


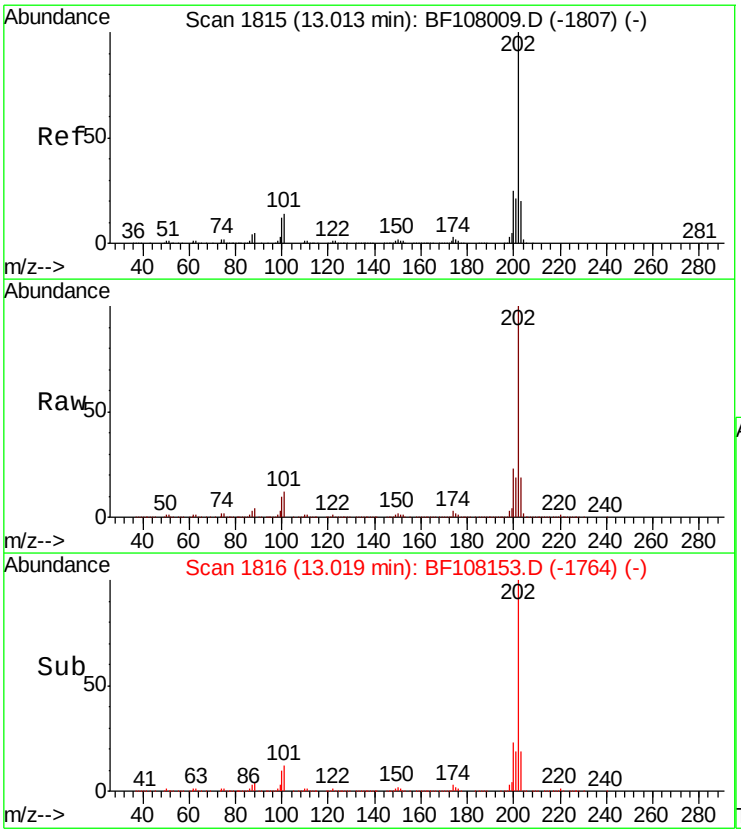
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 459490

Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.5	14.3
236	26.1	20.7	31.1

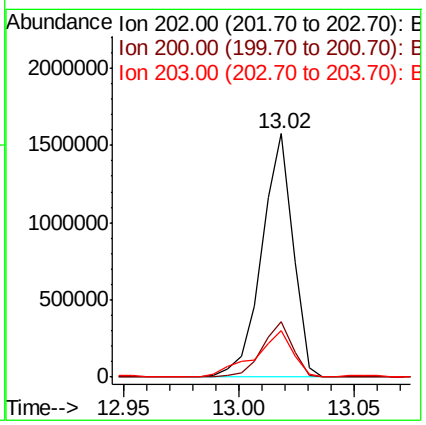


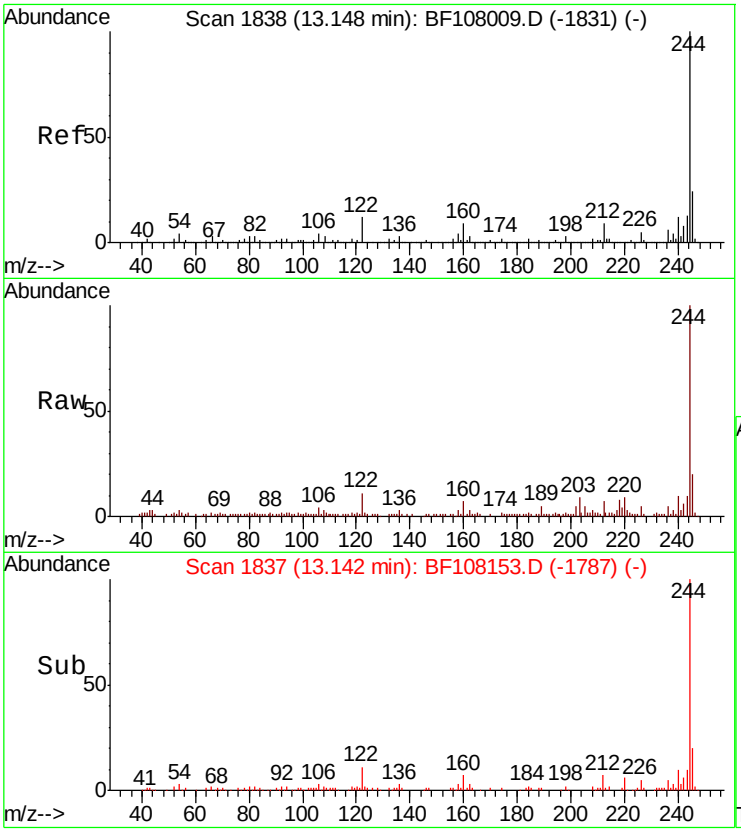


#77
Pyrene
Concen: 50.825 ng
RT: 13.02 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:202 Resp: 1478533

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.4	26.2
203	19.0	14.3	21.5



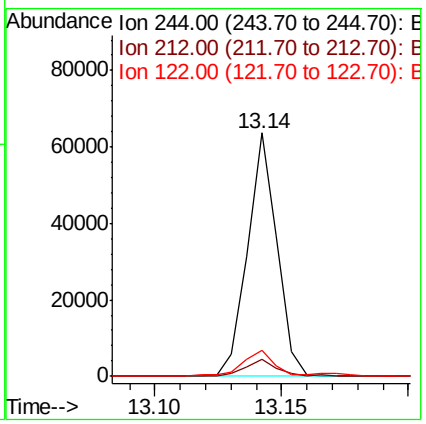


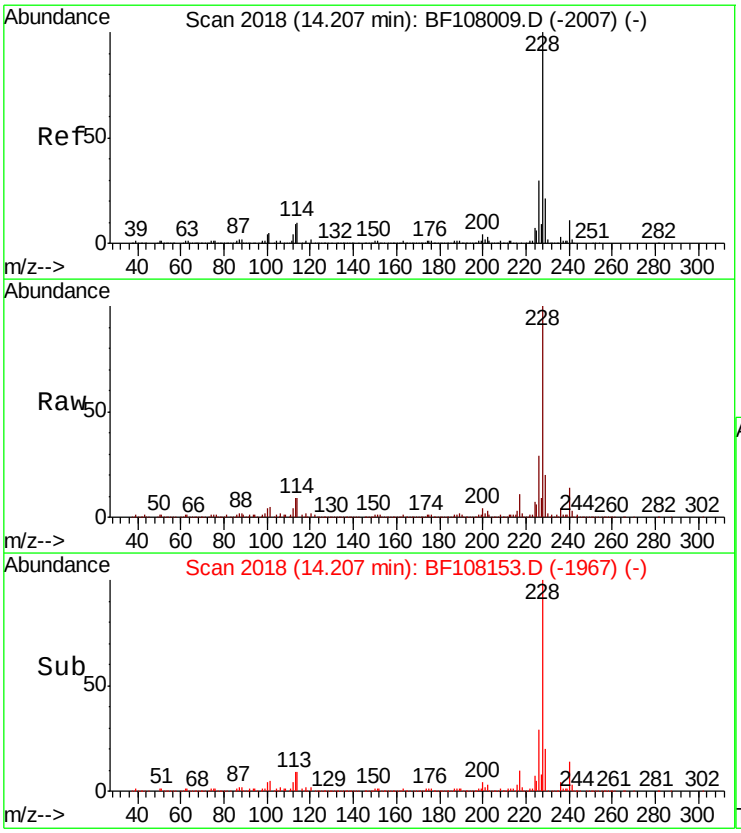
#78
Terphenyl-d14
Concen: 2.837 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 51276

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.7	11.0	16.4#

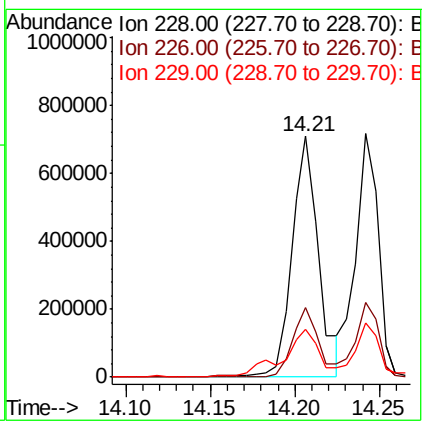


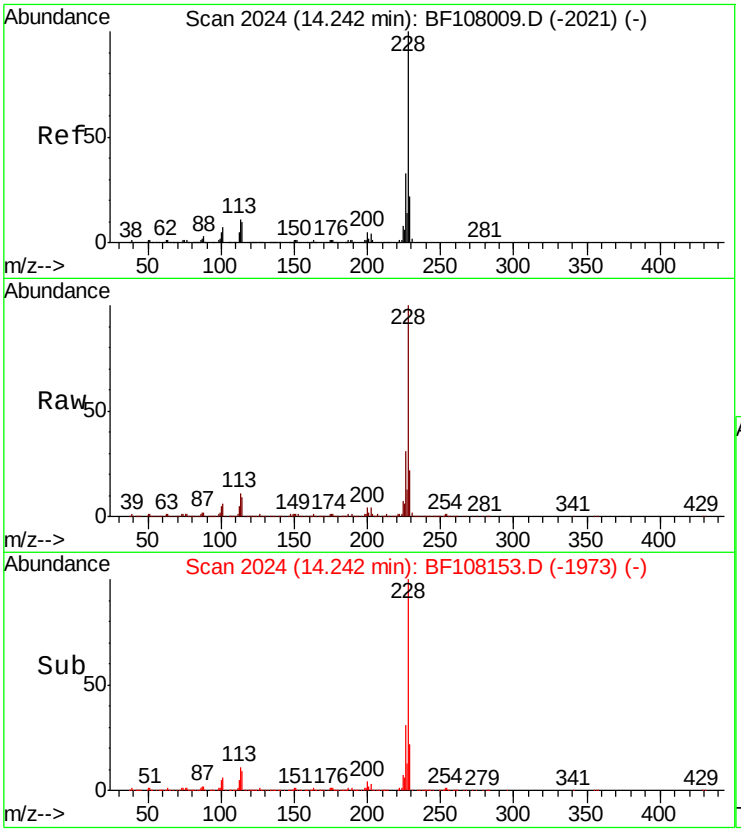


#80
Benzo(a)anthracene
Concen: 29.304 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:228 Resp: 772749

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.1	15.8	23.6



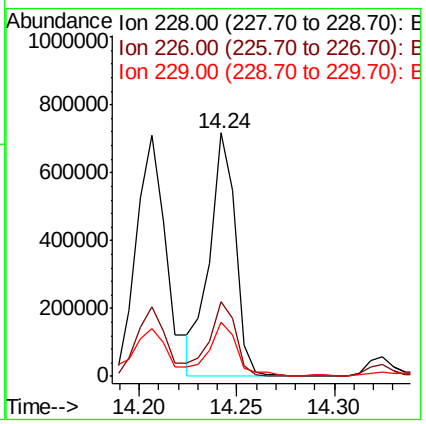


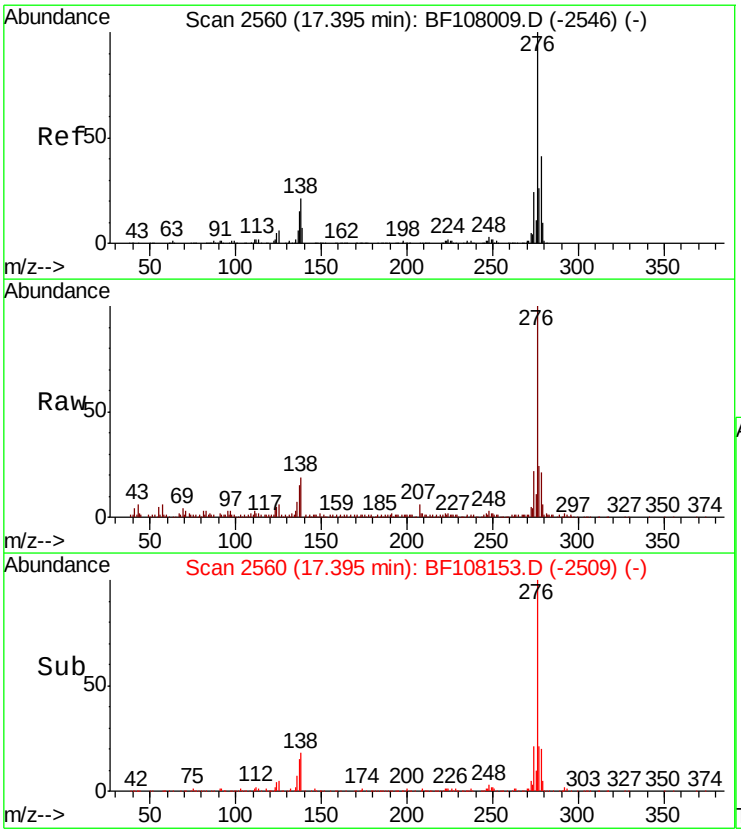
#82
Chrysene
Concen: 27.412 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 662711

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.4	16.2	24.4

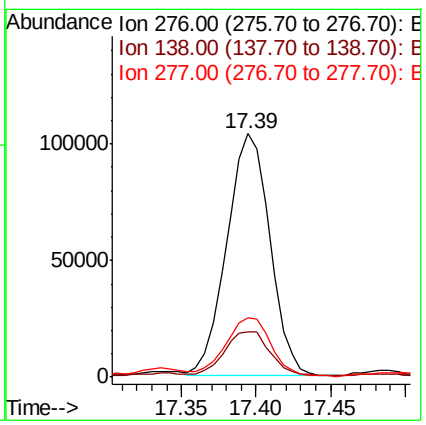


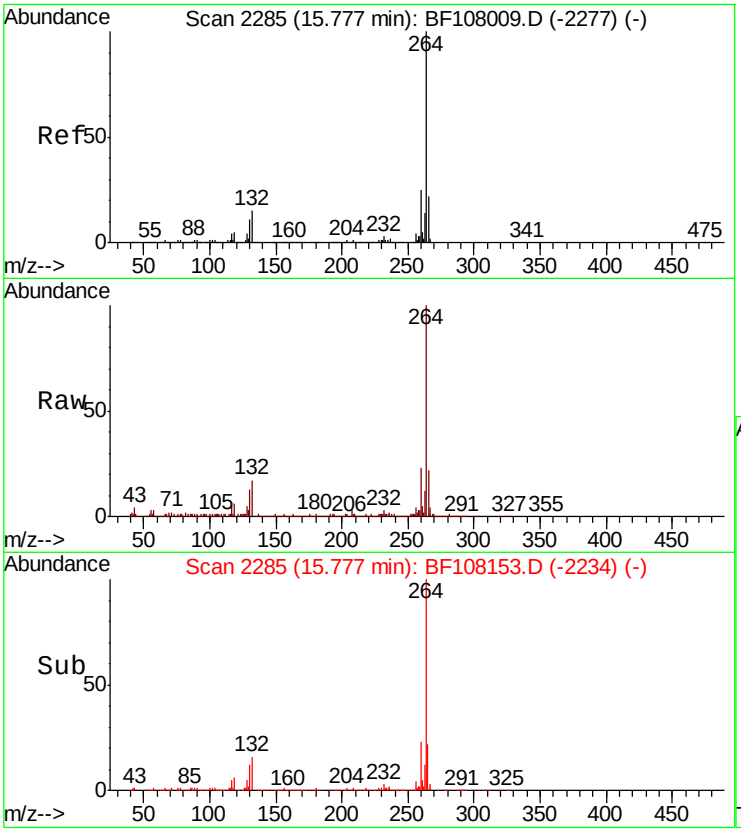


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.944 ng
RT: 17.39 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:276 Resp: 208304

Ion	Ratio	Lower	Upper
276	100		
138	19.5	25.0	37.6#
277	25.2	20.1	30.1



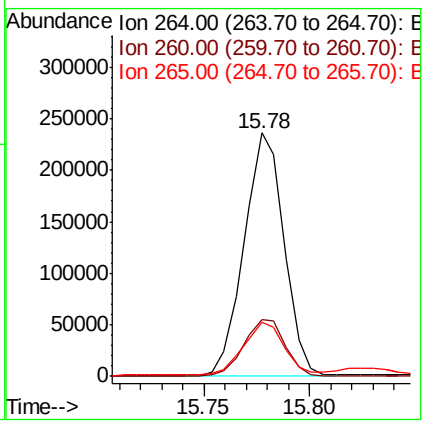


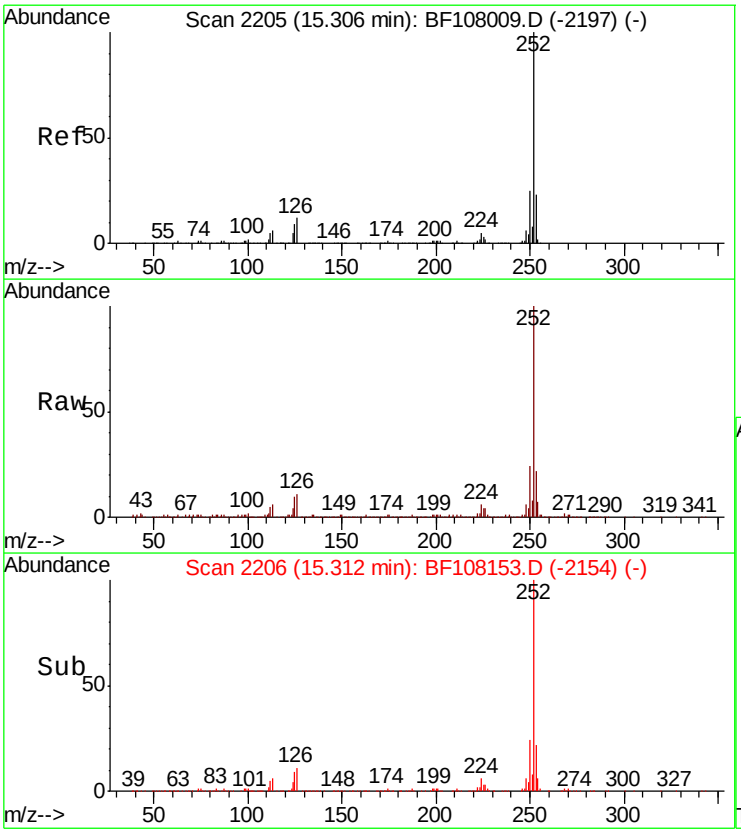
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 308758

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

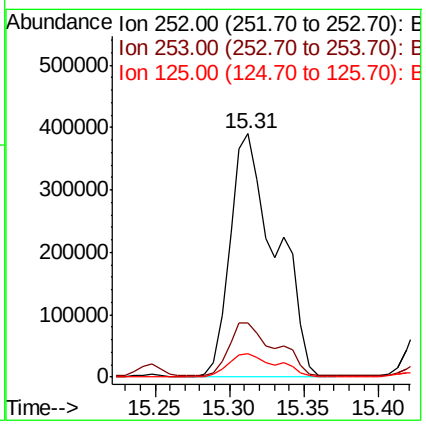


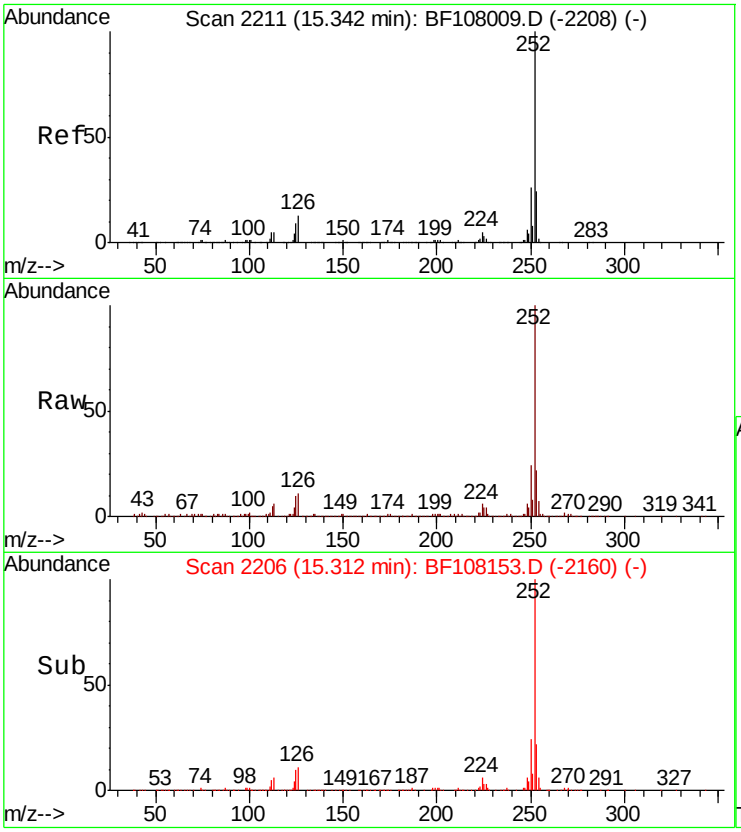


#87
Benzo(b)fluoranthene
Concen: 45.227 ng
RT: 15.31 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:252 Resp: 834416

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	9.7	9.0	13.6



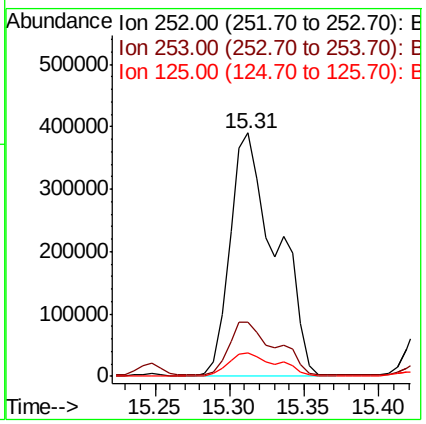


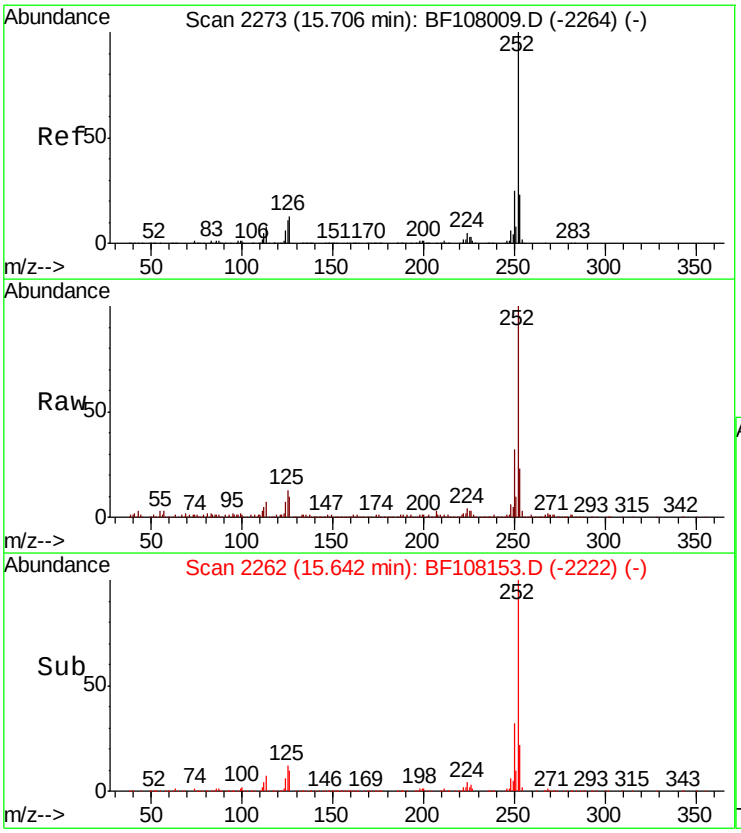
#88
Benzo(k)fluoranthene
Concen: 49.200 ng
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 834416

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	9.7	10.2	15.2#

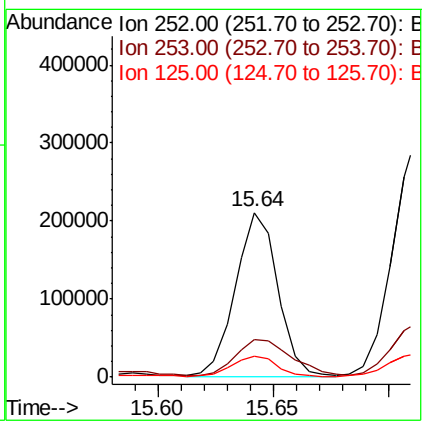


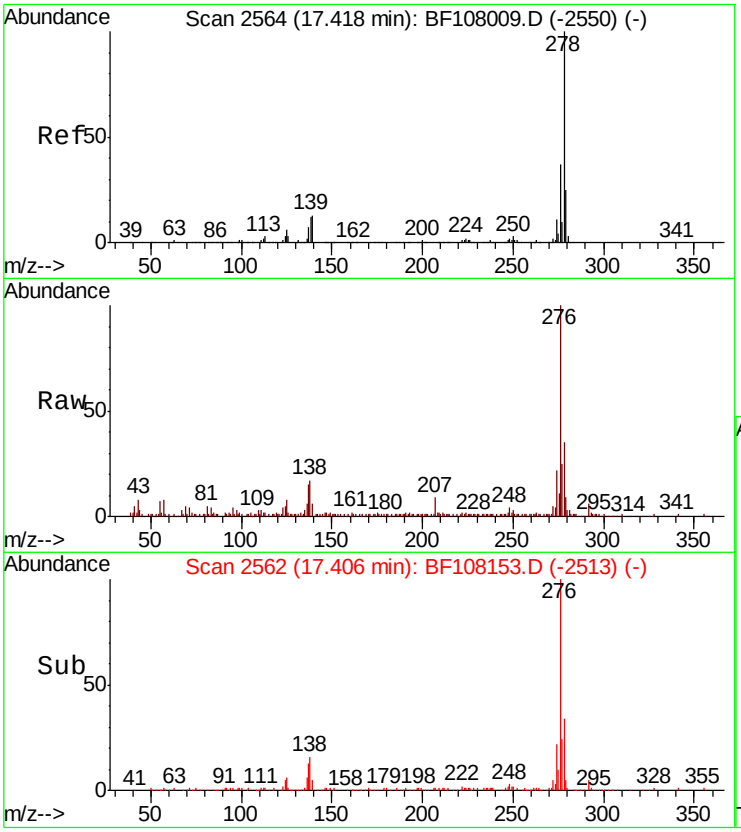


#89
Benzo(a)pyrene
Concen: 16.282 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.06 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:252 Resp: 269001

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.1	9.8	14.6



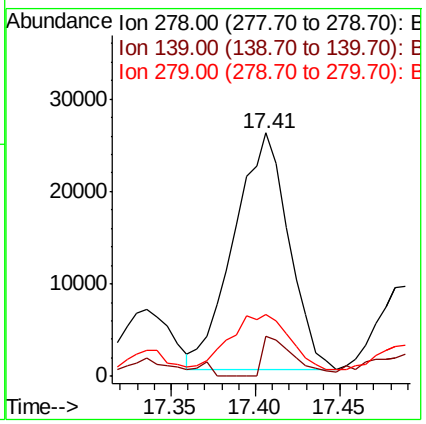


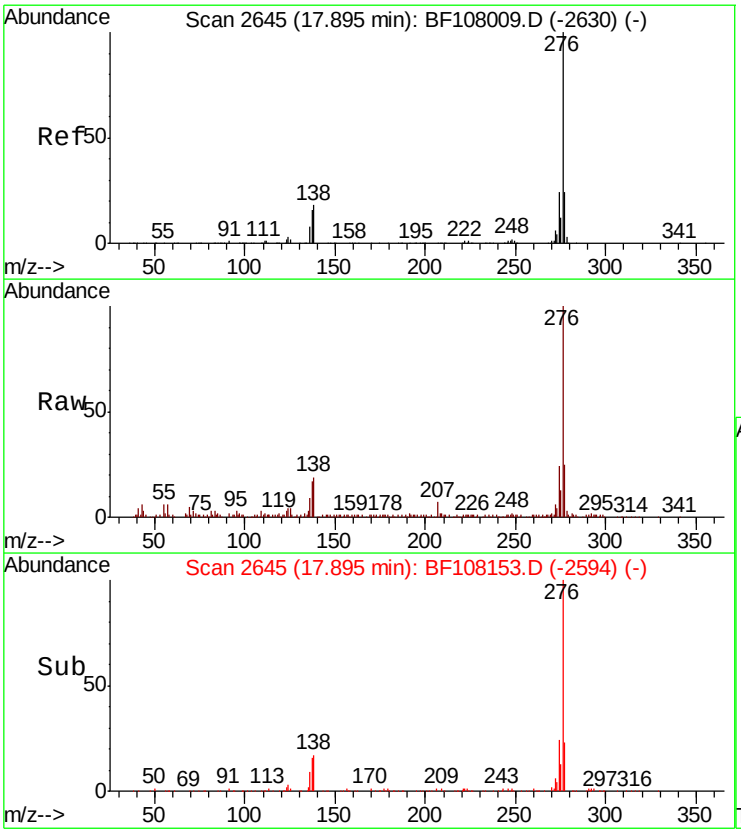
#90
Dibenzo(a,h)anthracene
Concen: 4.217 ng
RT: 17.41 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 57638

Ion	Ratio	Lower	Upper
278	100		
139	16.3	15.9	23.9
279	25.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 14.833 ng
RT: 17.89 min Scan# 2645
Delta R.T. 0.00 min
Lab File: BF108153.D
Acq: 14 Aug 2018 19:01

Tgt Ion:276 Resp: 199653

Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	18.7	21.8	32.8#