Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
Data File : BF108213.D
Acq On : 16 Aug 2018 23:36
Operator : JU/SJ
Sample : J4499-02 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSB-02(0-1)

Quant Time: Aug 17 04:08:23 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	7.01	152	165909	20.00	ng		0.00
21) Naphthalene-d8	8.30	136	618610	20.00	ng		0.00
38) Acenaphthene-d10	10.06	164	279953	20.00	ng		0.00
63) Phenanthrene-d10	11.56	188	478099	20.00	ng		0.00
75) Chrysene-d12	14.21	240	420466	20.00	ng		0.00
86) Perylene-d12	15.78	264	317233	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	160388	17.50	ng		0.00
7) Phenol-d6	6.62	99	217933	17.90	ng		0.00
23) Nitrobenzene-d5	7.57	82	141930	12.80	ng		0.00
41) 2,4,6-Tribromophenol	10.85	330	44810	16.05	ng		0.00
44) 2-Fluorobiphenyl	9.37	172	255961	14.68	ng		0.00
78) Terphenyl-d14	13.14	244	202750	12.26	ng		0.00
Target Compounds							Qvalue
25) Isophorone	7.57	82	141928	6.717	ng	#	64
31) Naphthalene	8.32	128	73066	2.597	ng		99
37) 2-Methylnaphthalene	9.01	142	59425	2.986	ng		99
50) 2,6-Dinitrotoluene	10.06	165	38746	9.497	ng	#	26
64) 4,6-Dinitro-2-methylphenol	10.87	198	499	5.606	ng	#	1
70) Phenanthrene	11.58	178	637852	28.286	ng		99
71) Anthracene	11.63	178	118181	5.113	ng		100
72) Carbazole	11.78	167	81557	3.972	ng		99
74) Fluoranthene	12.78	202	1194228	48.525	ng		96
77) Pyrene	13.01	202	1022943	38.428	ng		99
80) Benzo(a)anthracene	14.21	228	591987	24.533	ng		98
82) Chrysene	14.24	228	607228	27.448	ng		98
83) Bis(2-ethylhexyl)phthalate	14.17	149	80099	5.596	ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.39	276	300438	15.674	ng	#	86
87) Benzo(b)fluoranthene	15.31	252	991869	52.325	ng		96
88) Benzo(k)fluoranthene	15.42	252	89566	5.140	ng		94
89) Benzo(a)pyrene	15.71	252	397334	23.408	ng		94
90) Dibenzo(a,h)anthracene	17.59	278	43628	3.106	ng		91
91) Benzo(g,h,i)perylene	17.89	276	259551	18.768	ng	#	91

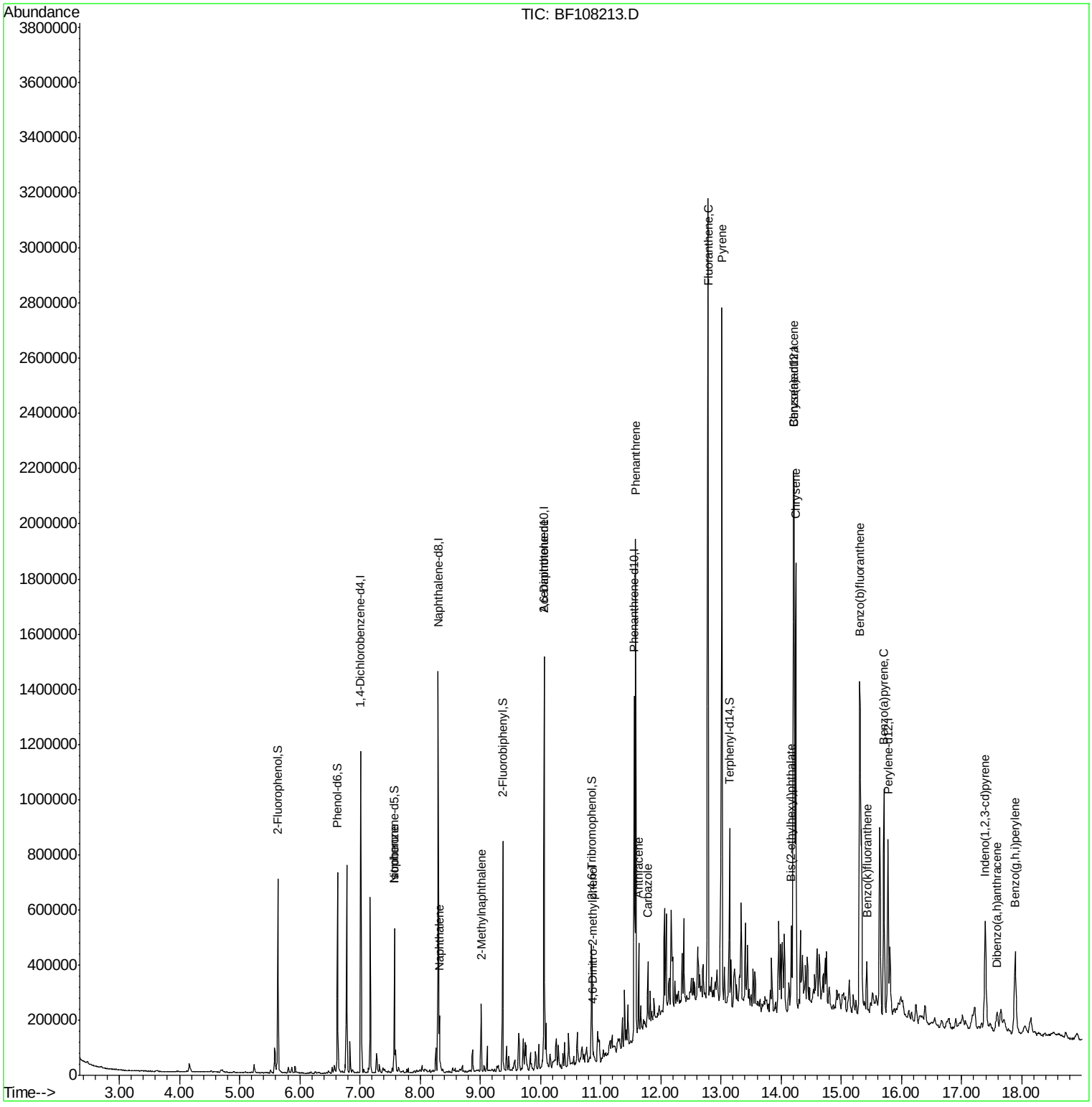
(#) = qualifier out of range (m) = manual integration (+) = signals summed

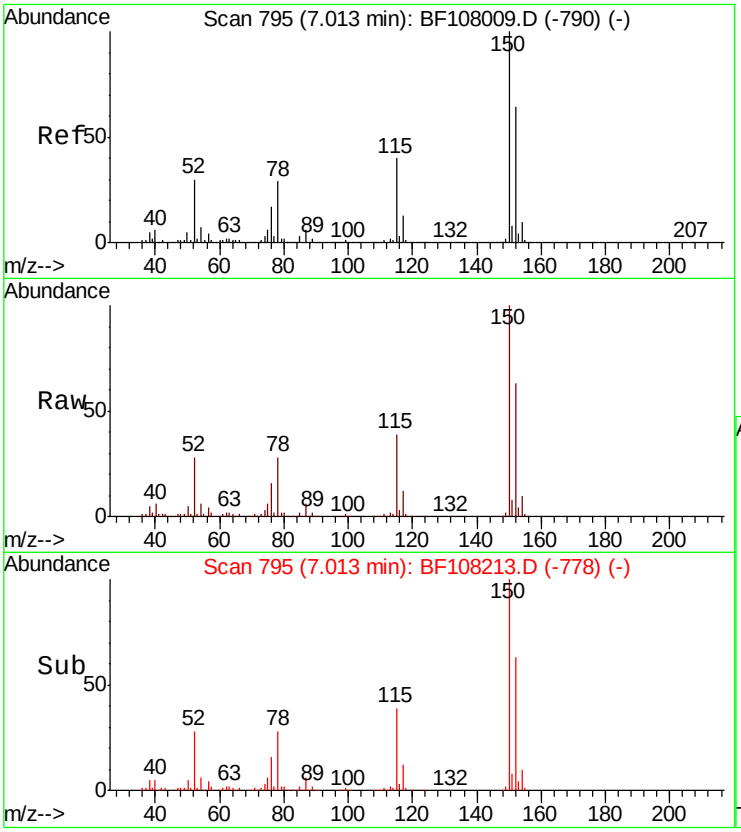
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
Data File : BF108213.D
Acq On : 16 Aug 2018 23:36
Operator : JU/SJ
Sample : J4499-02 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Quant Time: Aug 17 04:08:23 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



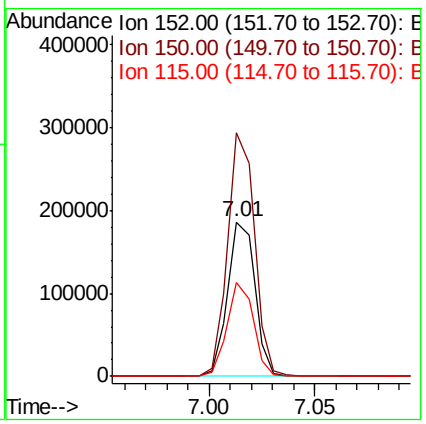


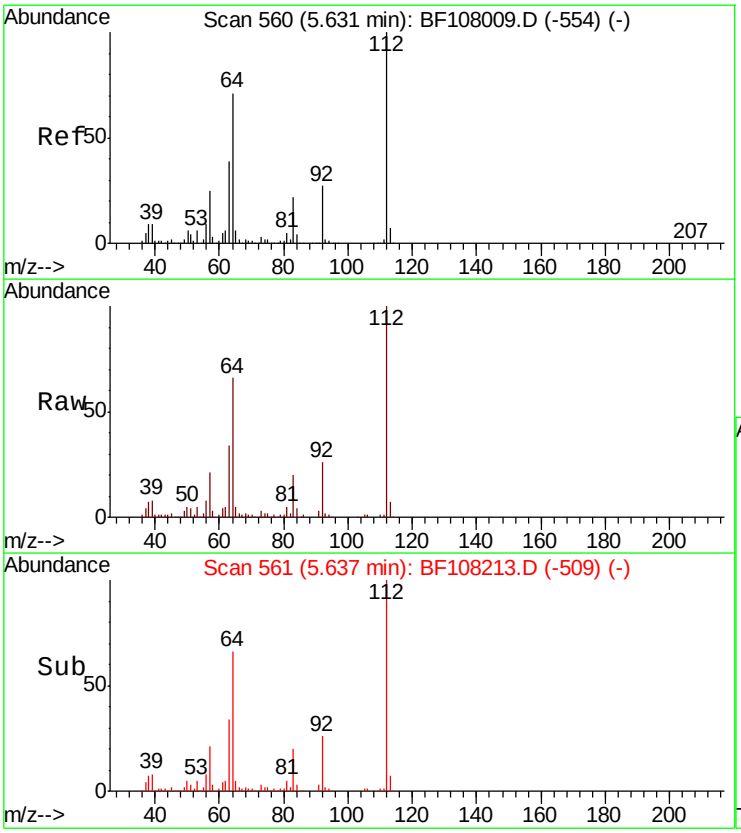
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:152 Resp: 165909

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	61.2	50.1	75.1

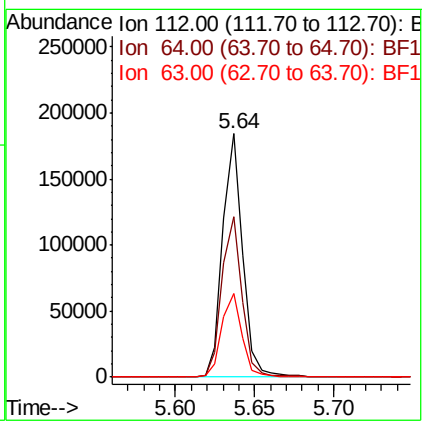


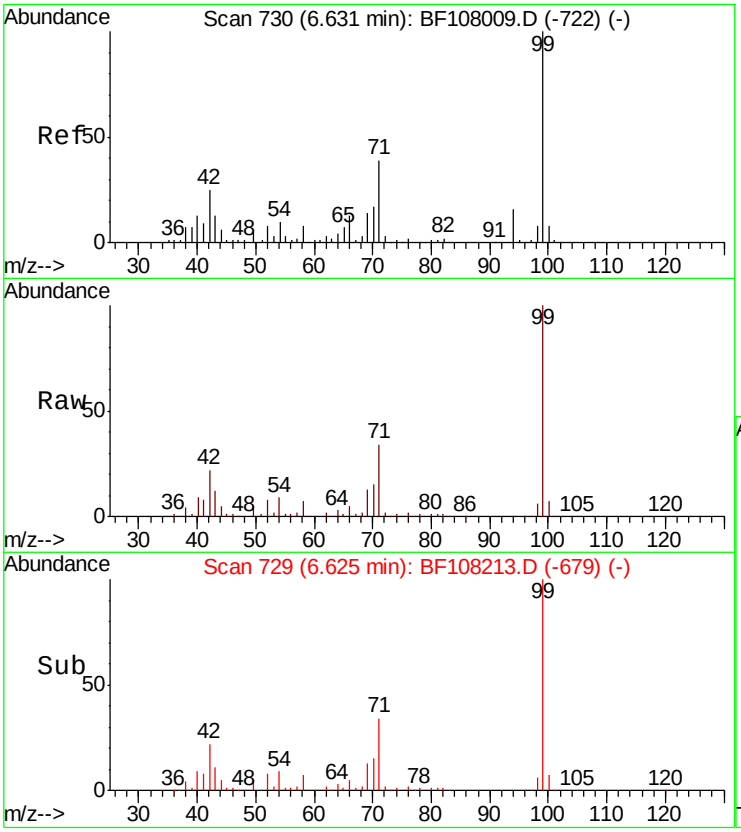


#5
2-Fluorophenol
Concen: 17.502 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:112 Resp: 160388

Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	34.4	23.7	35.5



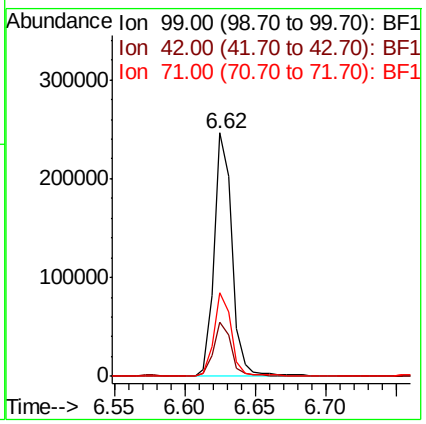


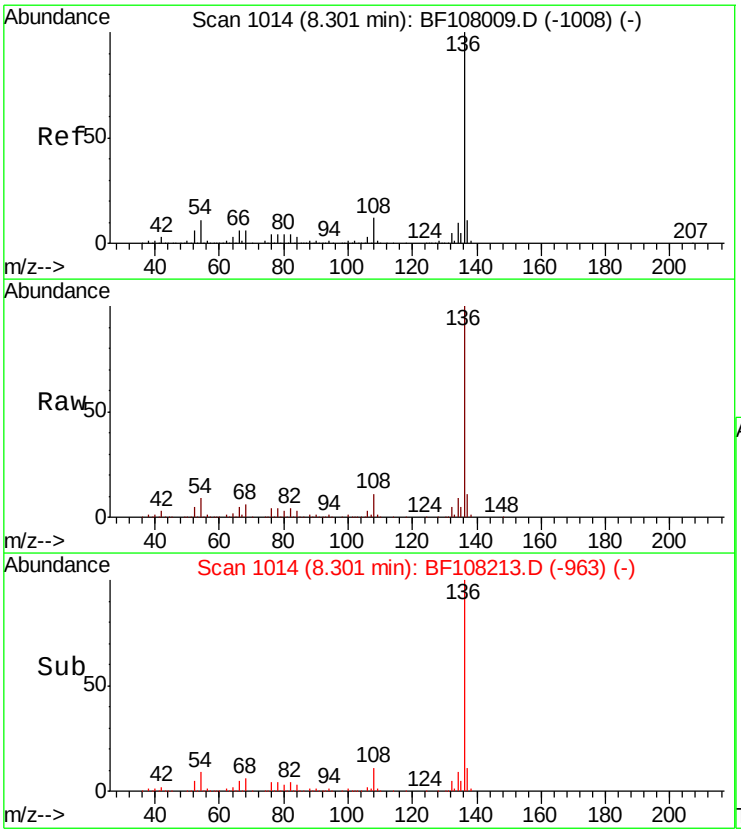
#7
Phenol-d6
Concen: 17.896 ng
RT: 6.62 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion: 99 Resp: 217933

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	34.1	25.4	38.0

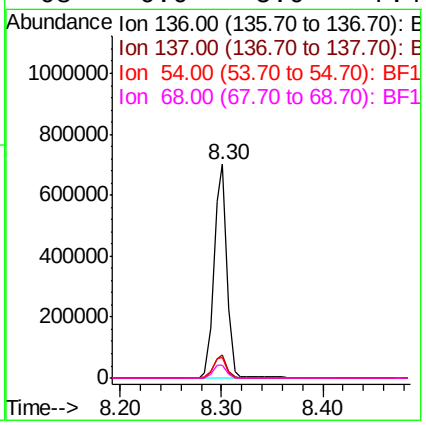


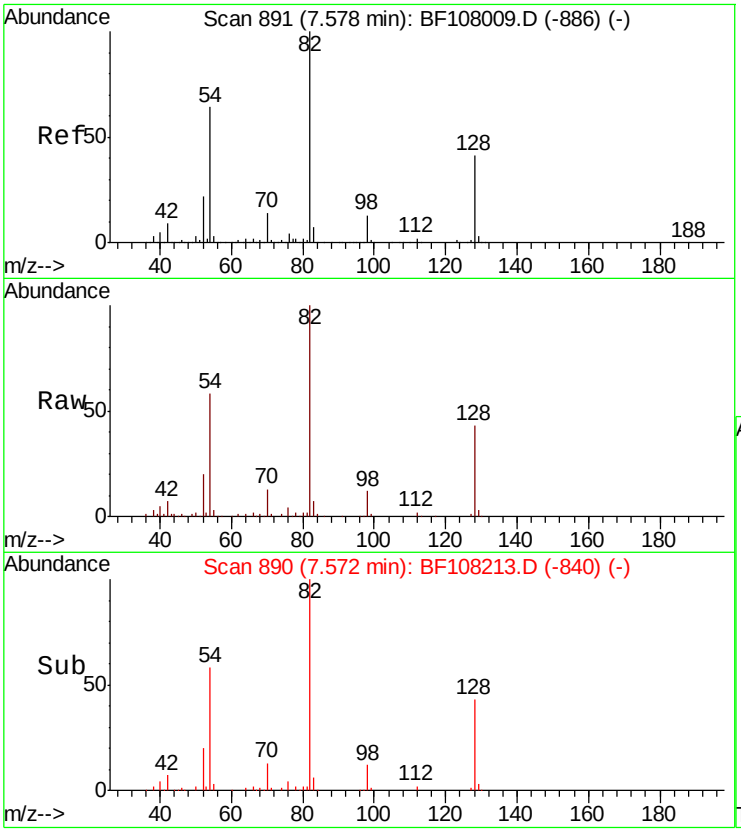


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:136 Resp: 618610

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	6.0	5.0	7.4



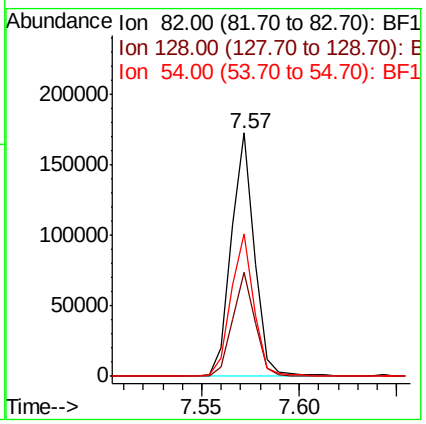


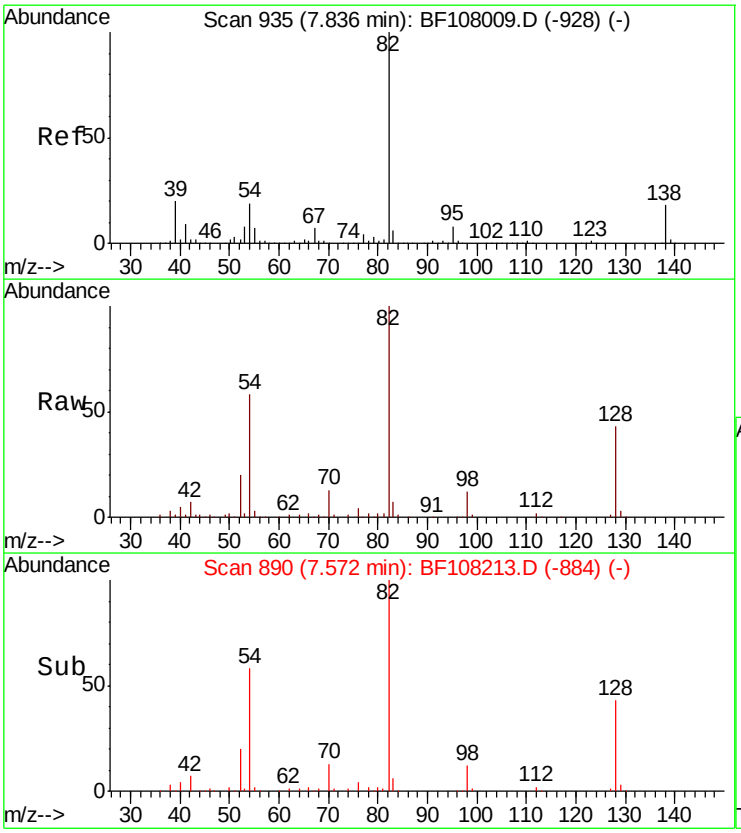
#23
Nitrobenzene-d5
Concen: 12.803 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion: 82 Resp: 141930

Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	58.4	41.4	62.2

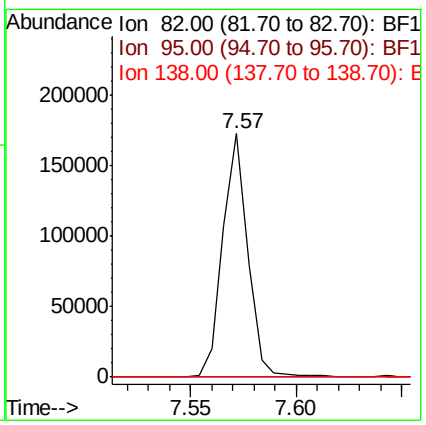


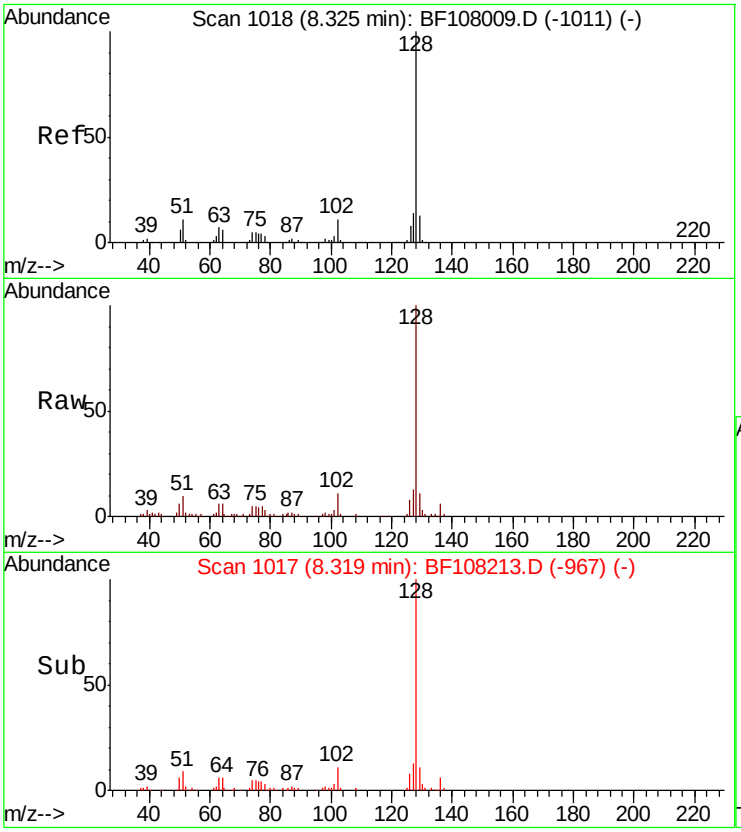


#25
Isophorone
Concen: 6.717 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion: 82 Resp: 141928

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



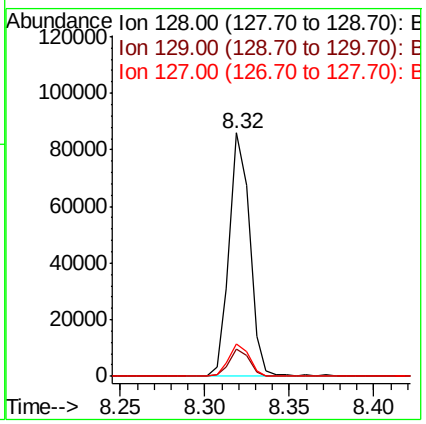


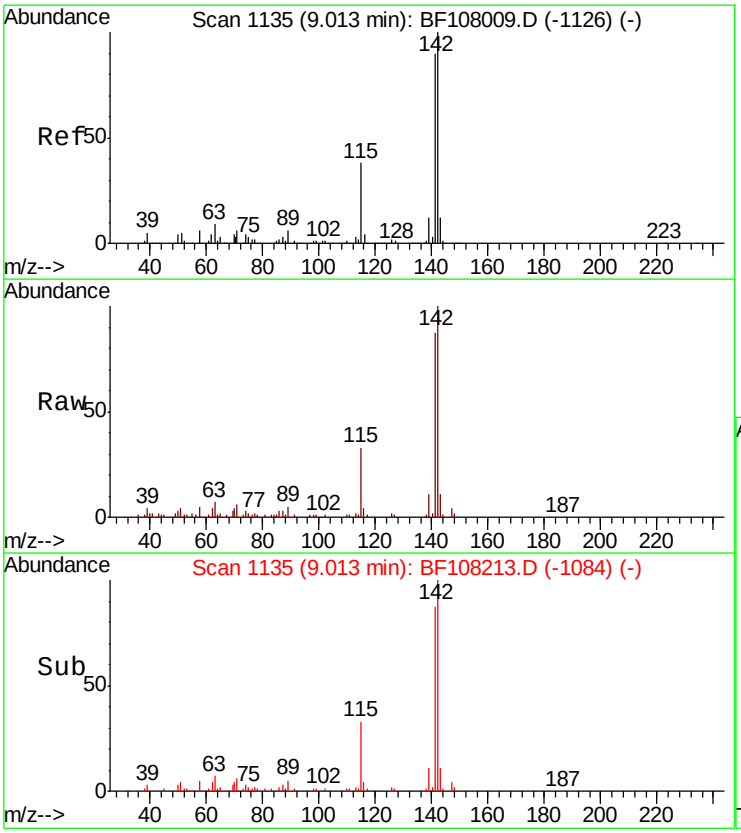
#31
Naphthalene
Concen: 2.597 ng
RT: 8.32 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:128 Resp: 73066

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.9	16.3

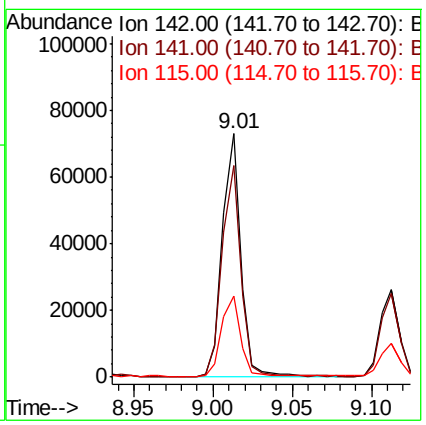


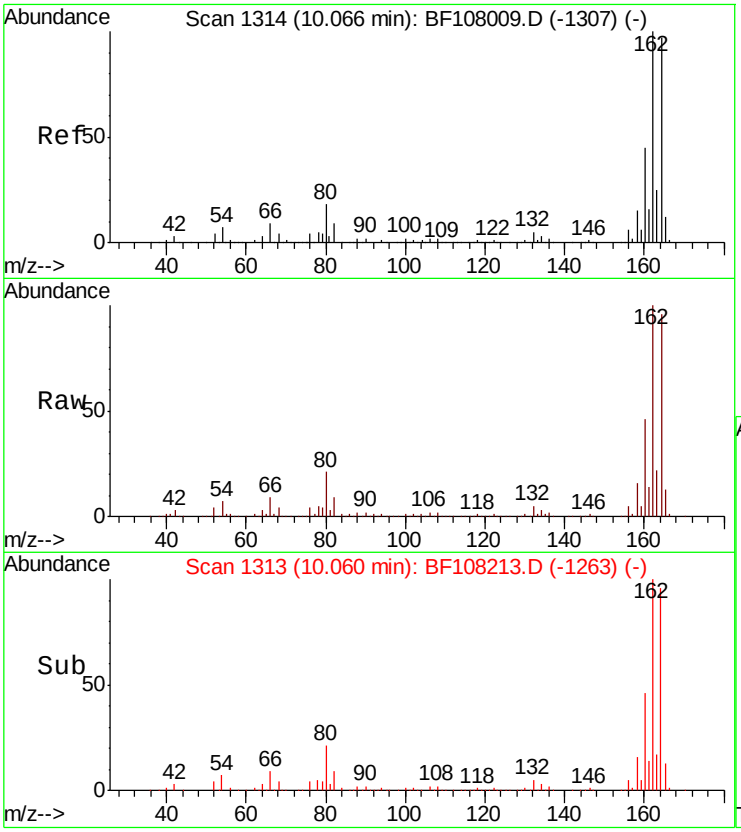


#37
2-Methylnaphthalene
Concen: 2.986 ng
RT: 9.01 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:142 Resp: 59425

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	33.0	26.1	39.1



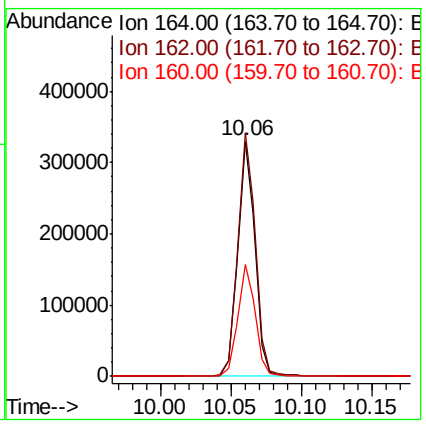


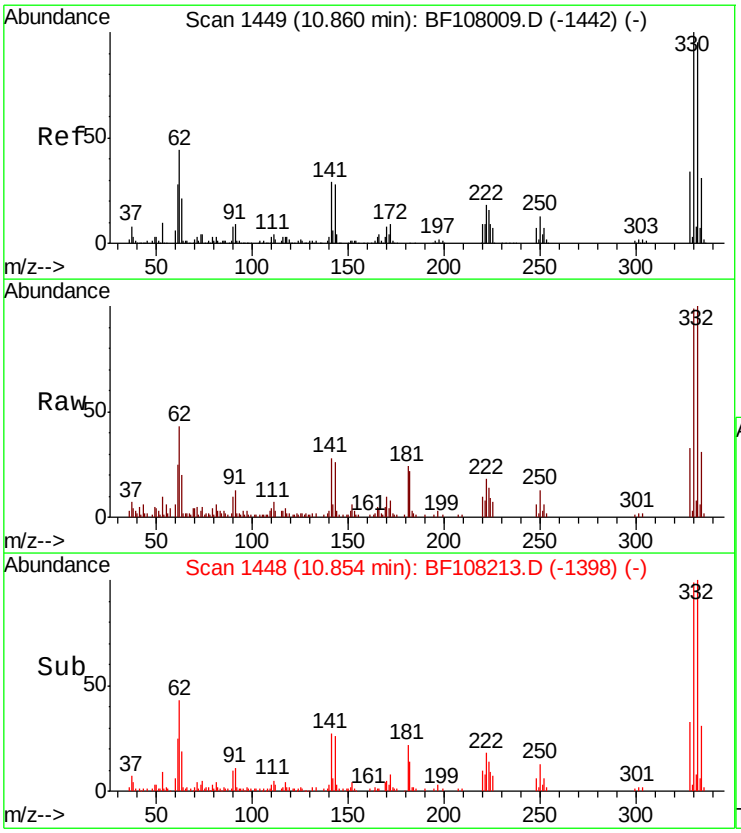
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:164 Resp: 279953

Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	47.7	38.3	57.5

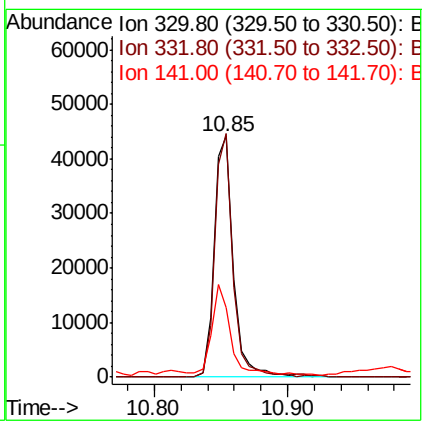


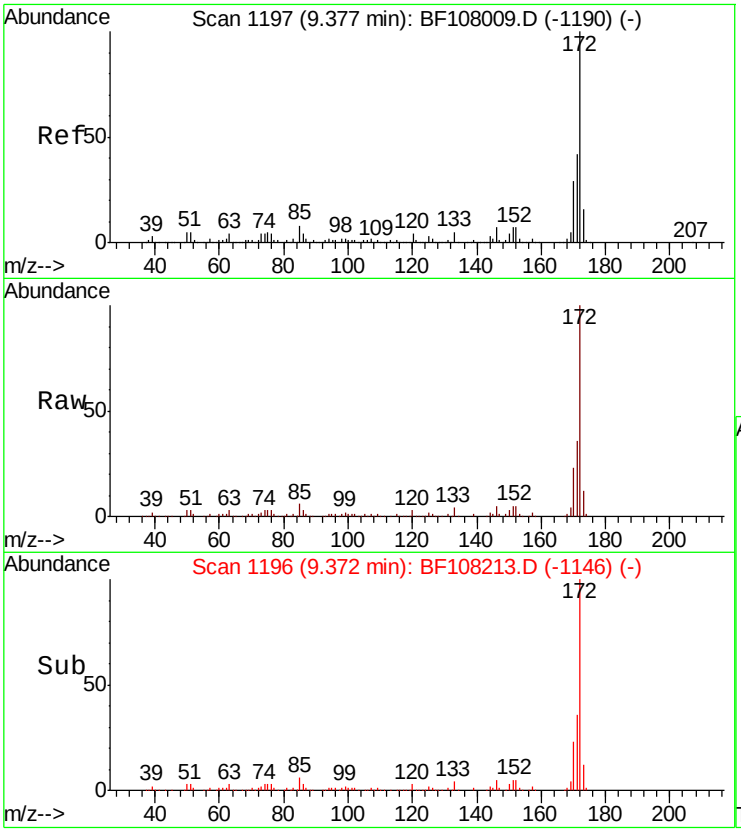


#41
2,4,6-Tribromophenol
Concen: 16.047 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:330 Resp: 44810

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	34.9	29.9	44.9



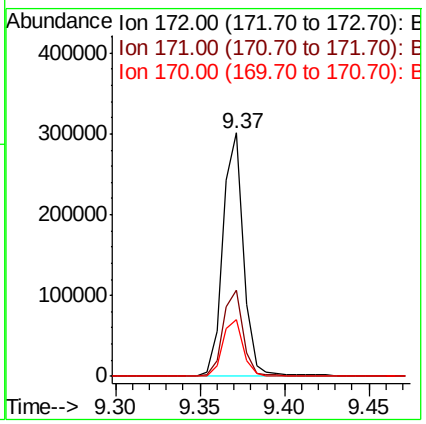


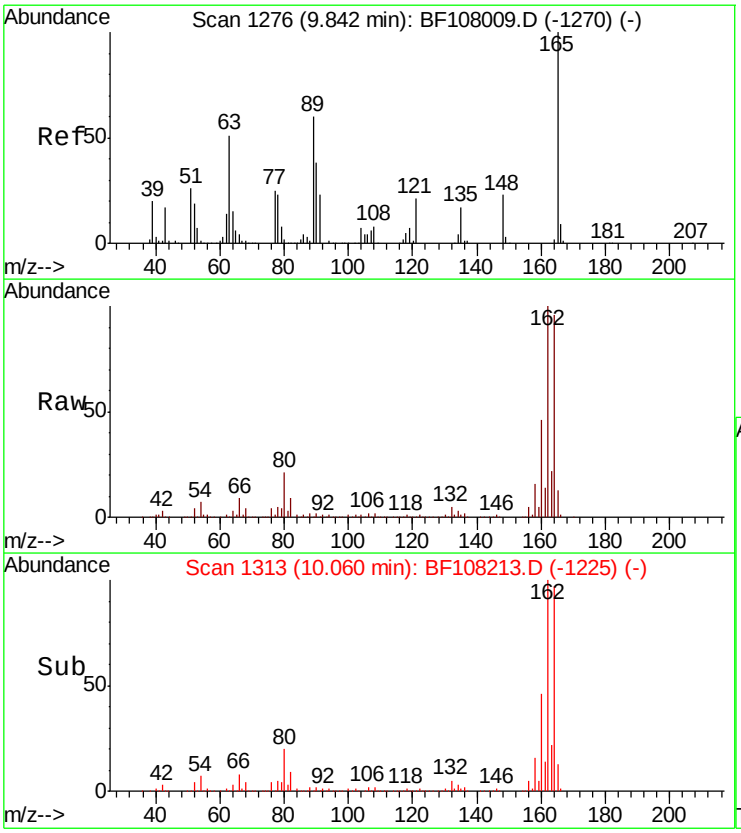
#44
2-Fluorobiphenyl
Concen: 14.679 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:172 Resp: 255961

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.1	19.6	29.4

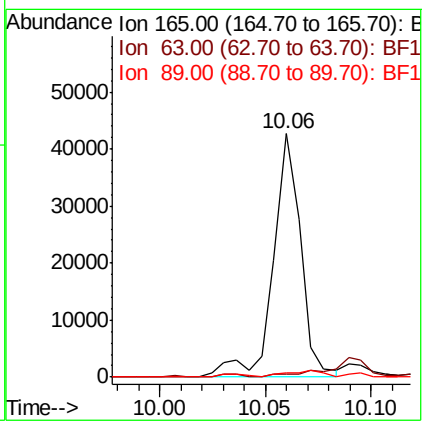


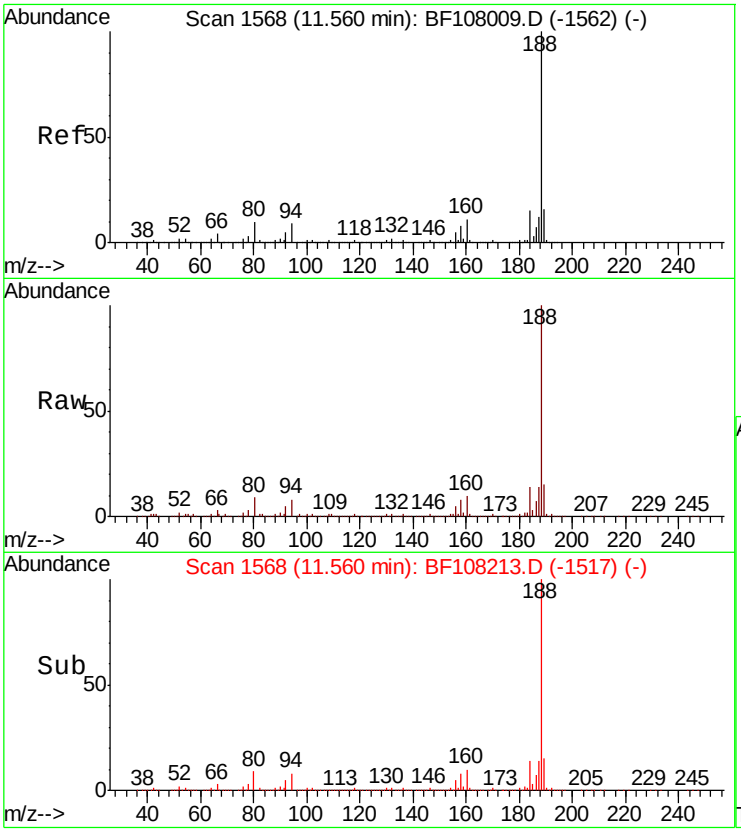


#50
2,6-Dinitrotoluene
Concen: 9.497 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:165 Resp: 38746

Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.9	44.0	66.0#



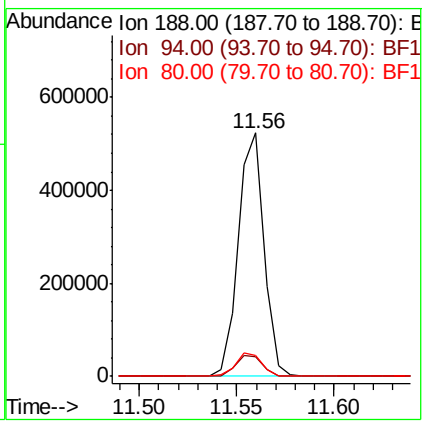


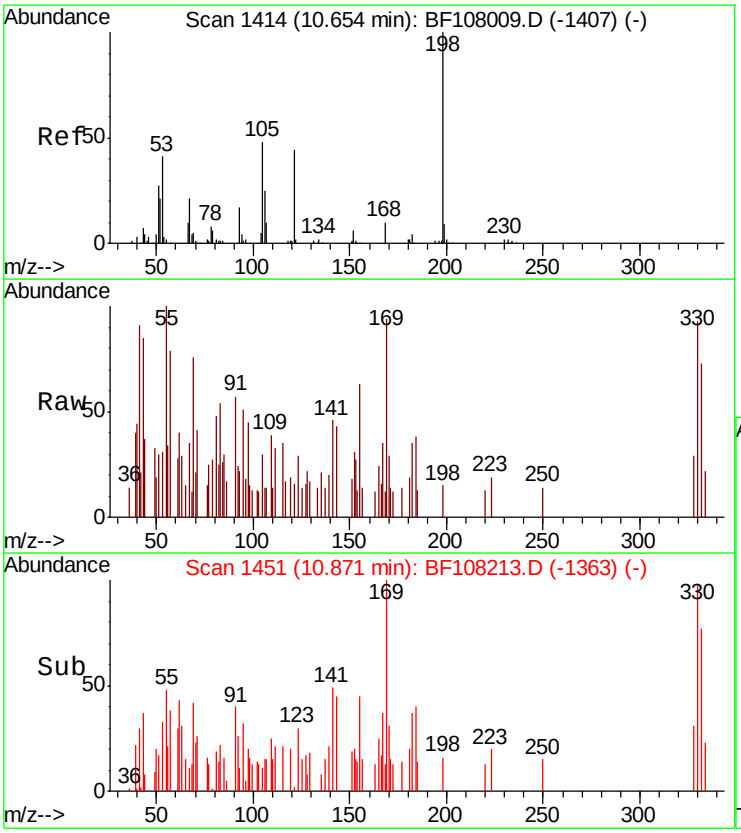
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:188 Resp: 478099

Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.8	9.2	13.8#

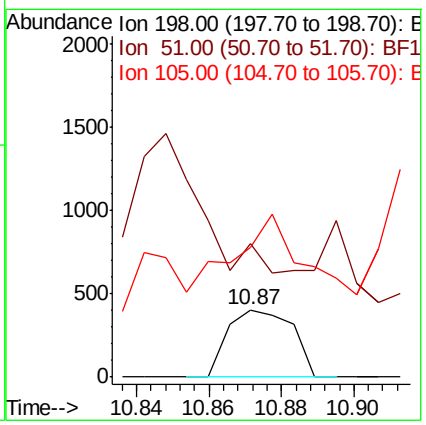


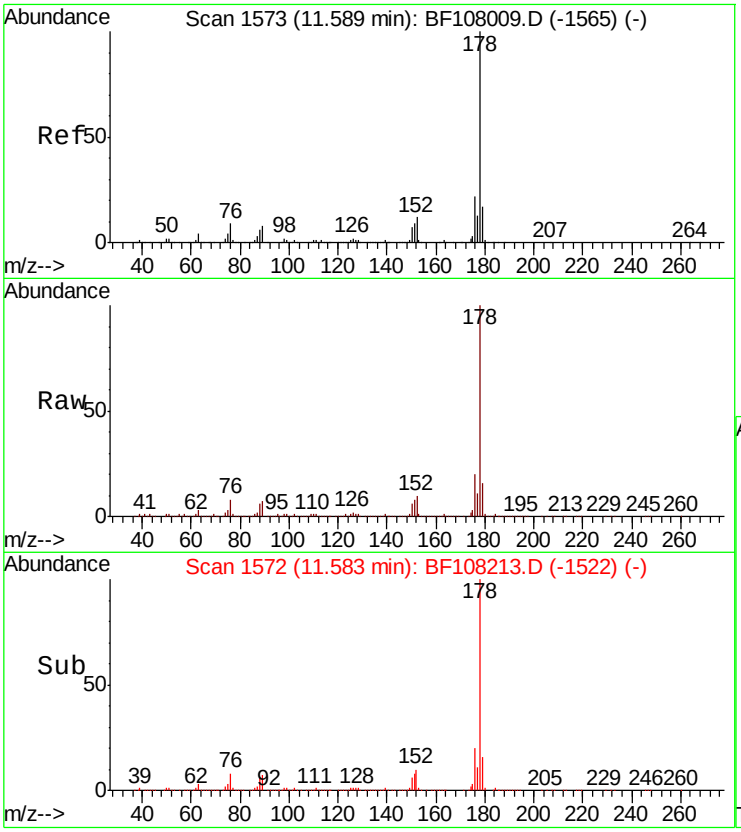


#64
4,6-Dinitro-2-methylphenol
Concen: 5.606 ng
RT: 10.87 min Scan# 1451
Delta R.T. 0.22 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:198 Resp: 499

Ion	Ratio	Lower	Upper
198	100		
51	197.8	37.7	77.7#
105	192.3	36.3	76.3#



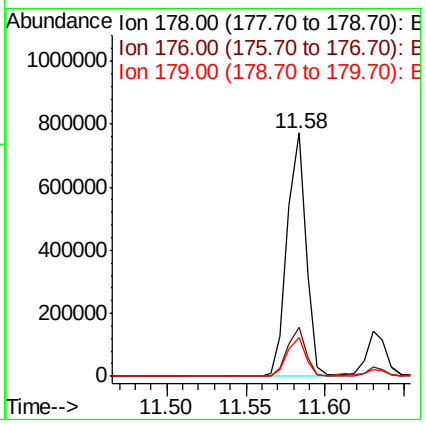


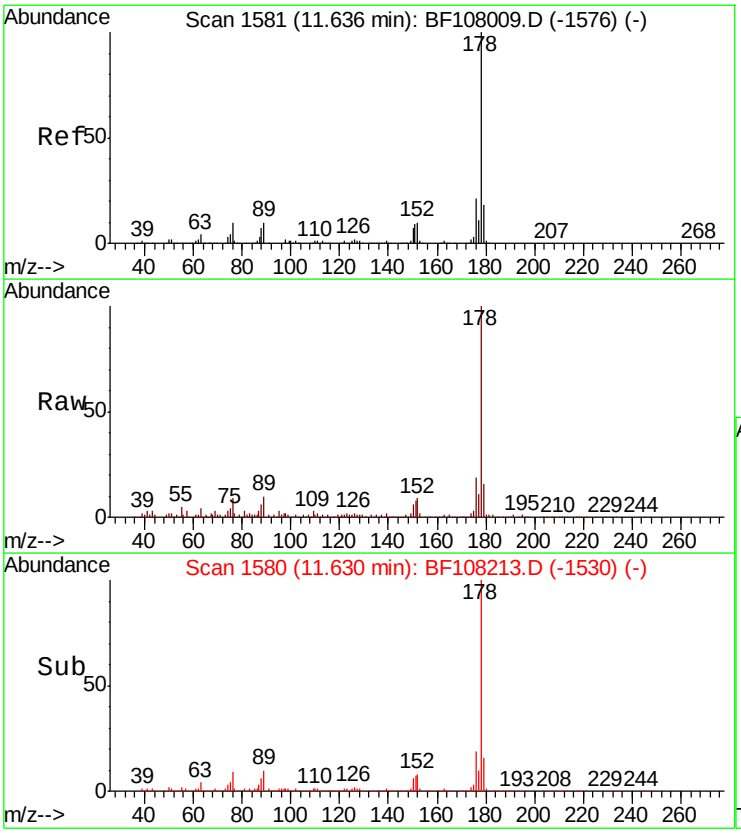
#70
Phenanthrene
Concen: 28.286 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:178 Resp: 637852

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6

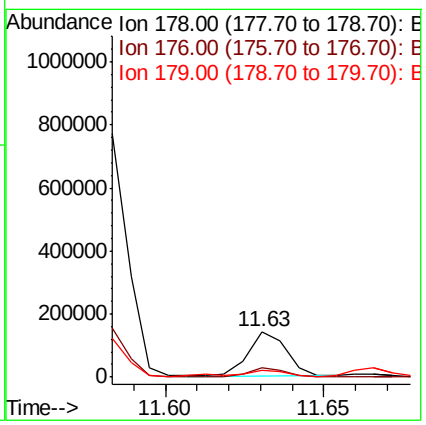


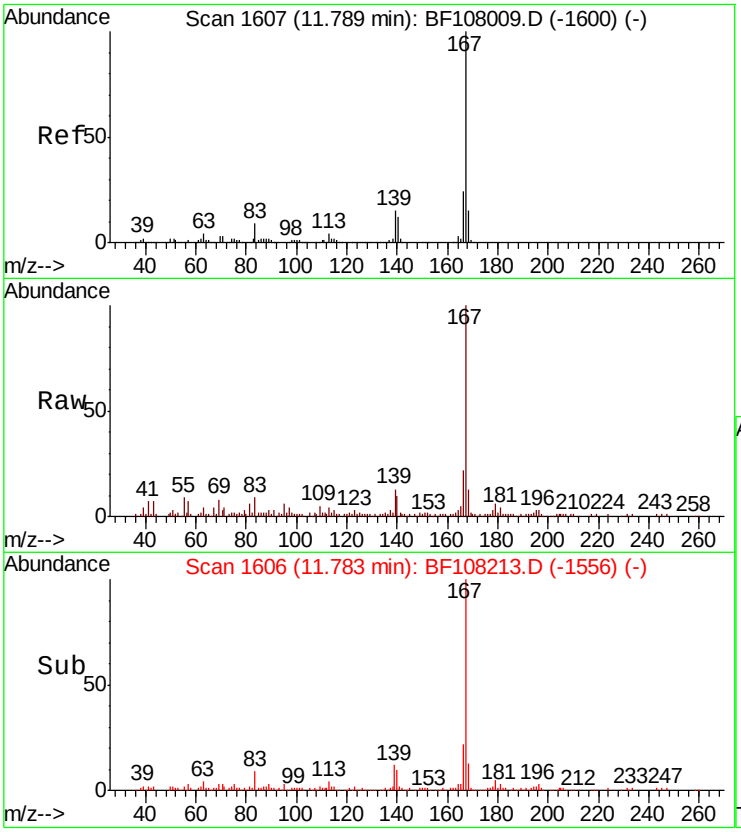


#71
Anthracene
Concen: 5.113 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:178 Resp: 118181

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.1	12.6	19.0



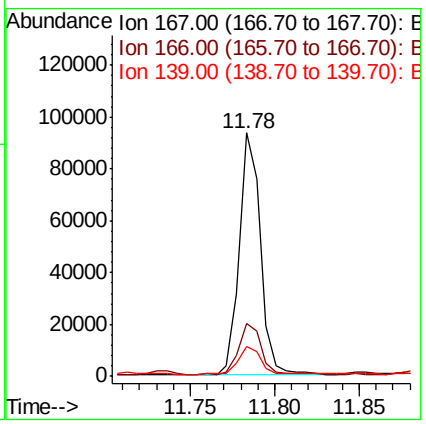


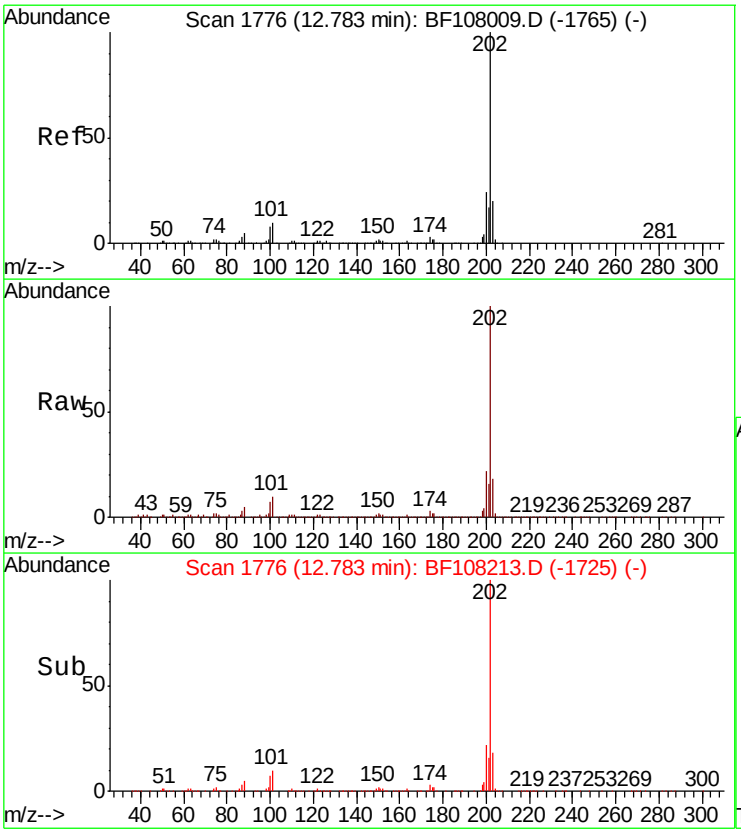
#72
Carbazole
Concen: 3.972 ng
RT: 11.78 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:167 Resp: 81557

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	12.5	10.9	16.3

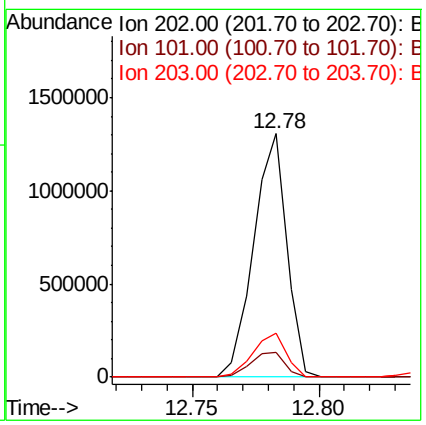


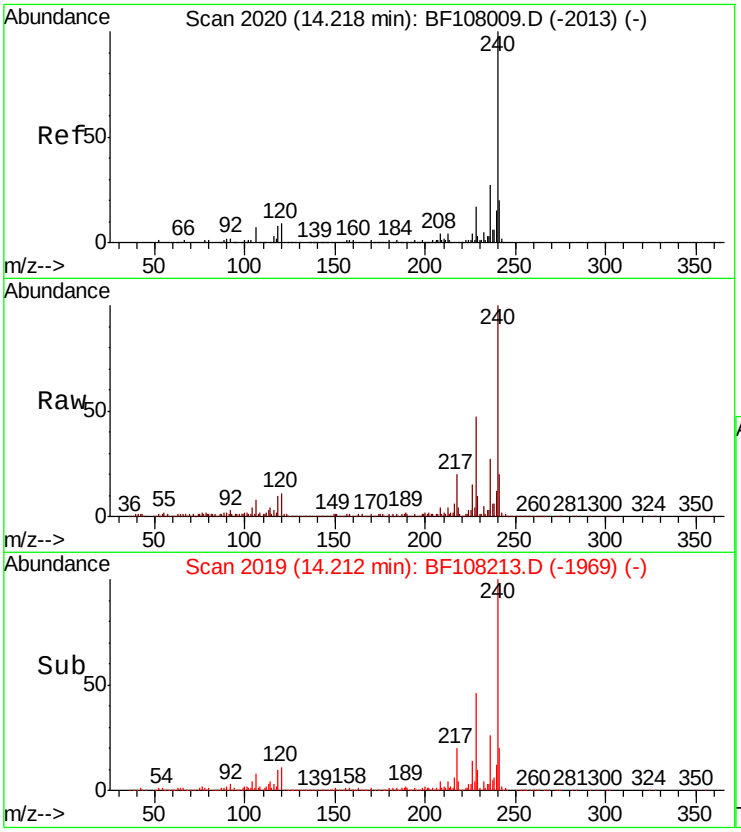


#74
Fluoranthene
Concen: 48.525 ng
RT: 12.78 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:202 Resp: 1194228

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	18.1	0.0	38.1



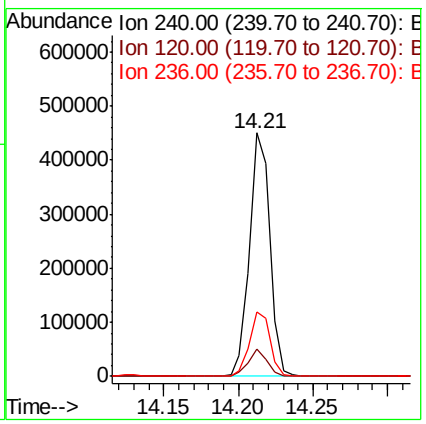


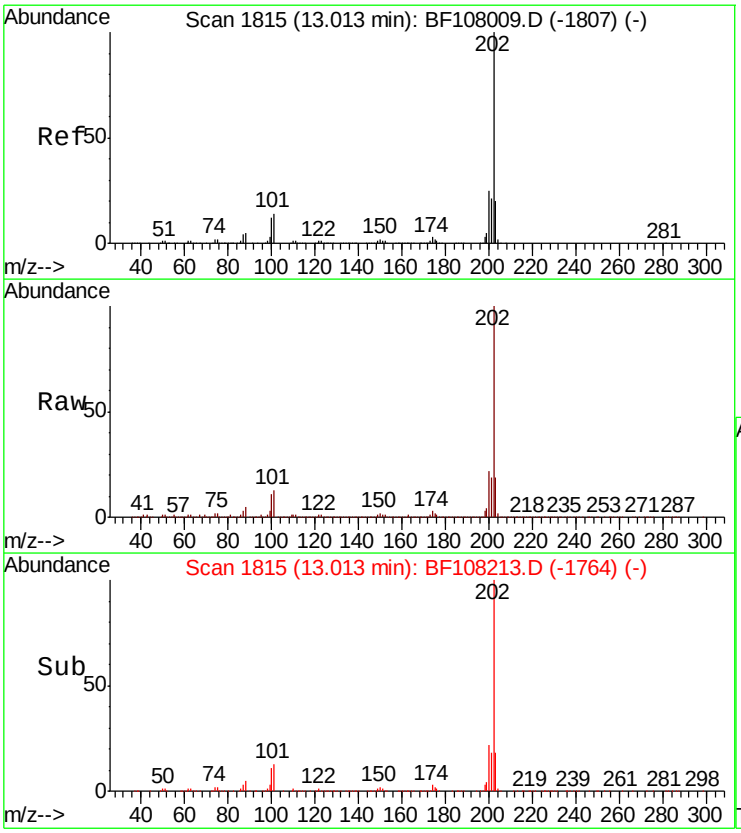
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:240 Resp: 420466

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.6	20.7	31.1

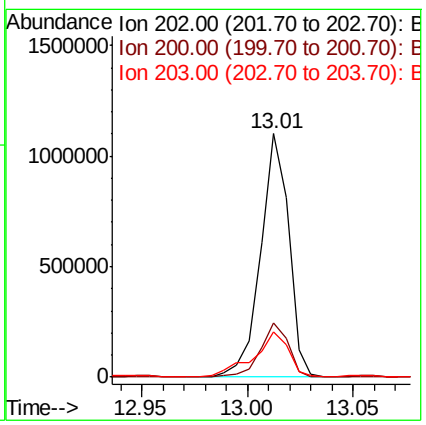


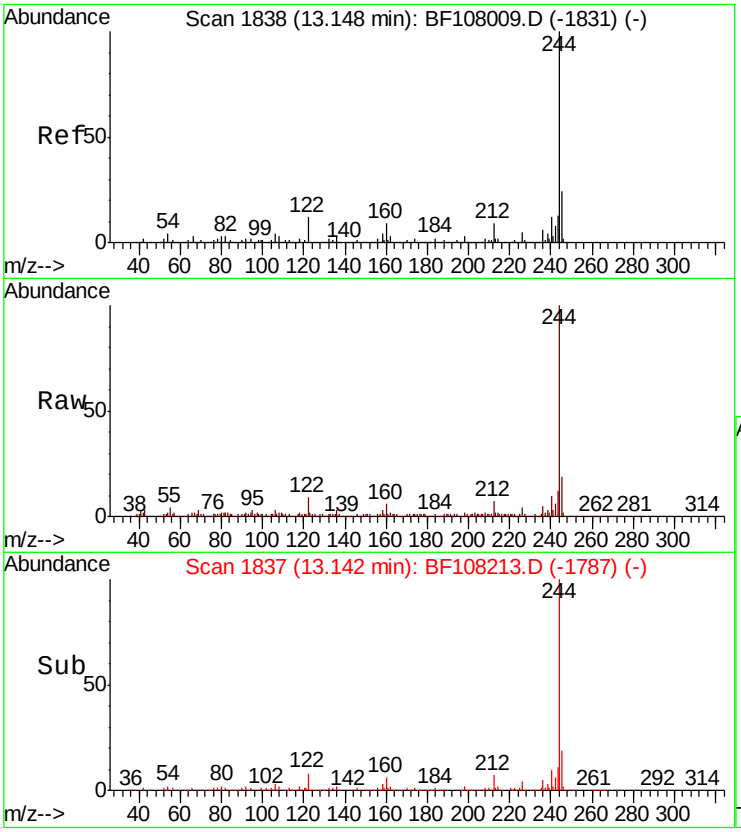


#77
Pyrene
Concen: 38.428 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:202 Resp: 1022943

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.5	14.3	21.5



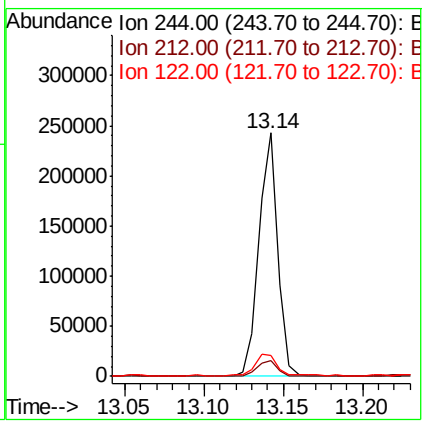


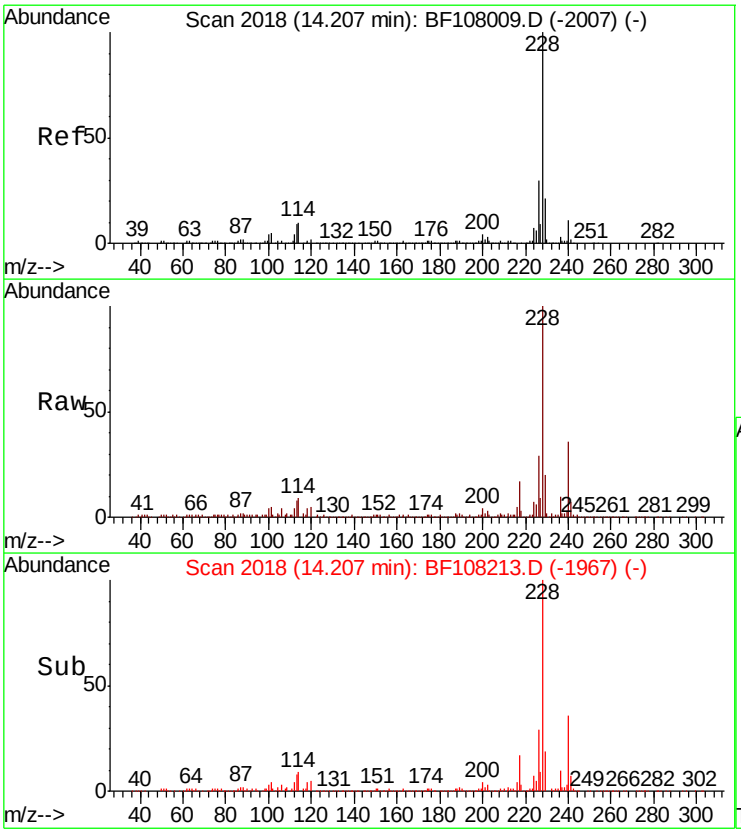
#78
Terphenyl-d14
Concen: 12.260 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:244 Resp: 202750

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.8	11.0	16.4#

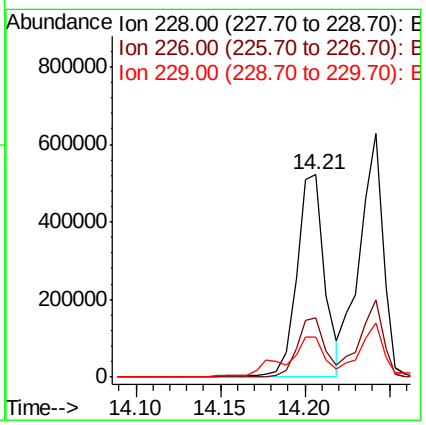


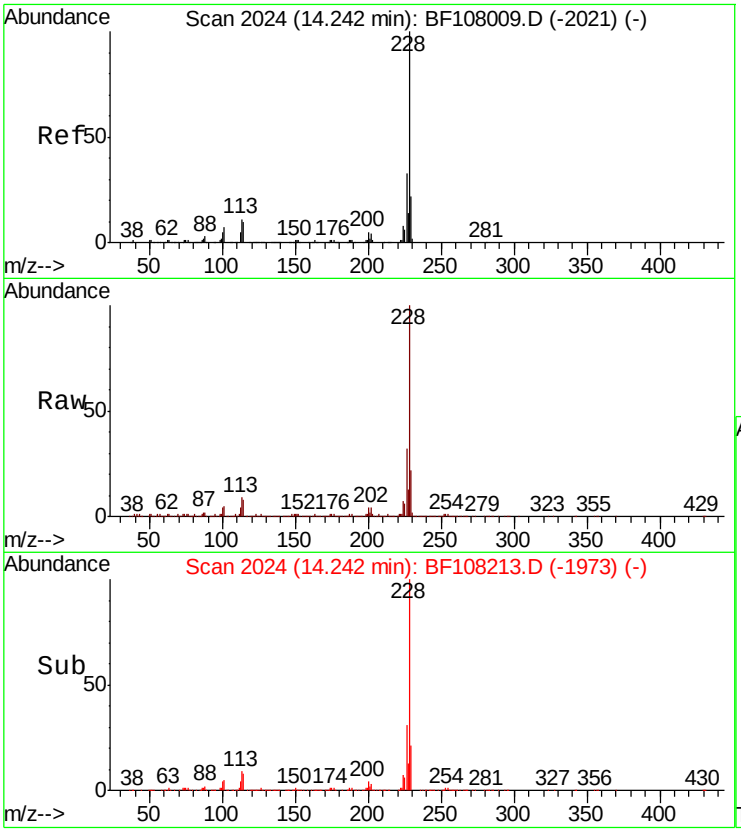


#80
Benzo(a)anthracene
Concen: 24.533 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:228 Resp: 591987

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.1	15.8	23.6



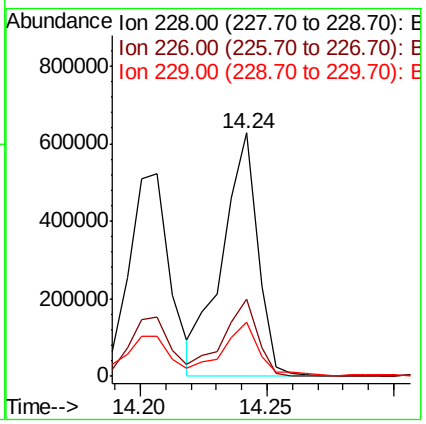


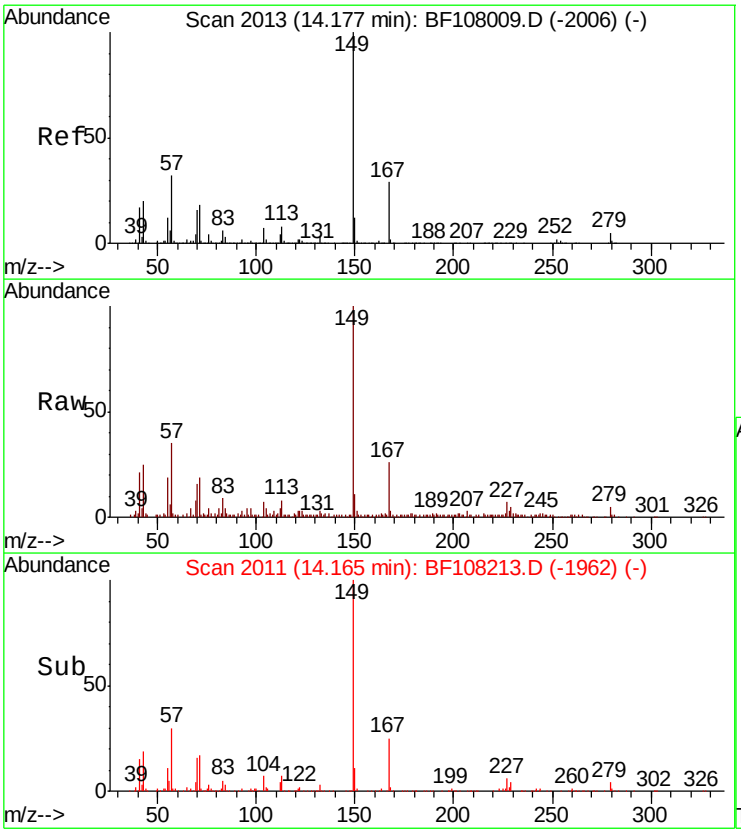
#82
Chrysene
Concen: 27.448 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:228 Resp: 607228

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.0	16.2	24.4

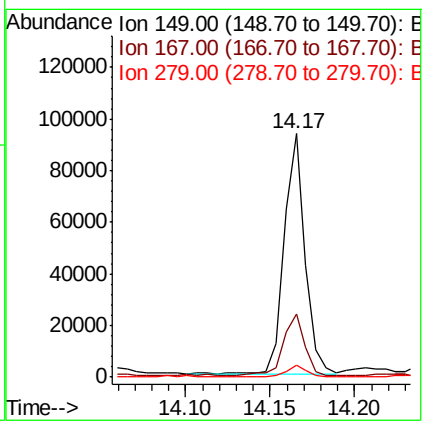


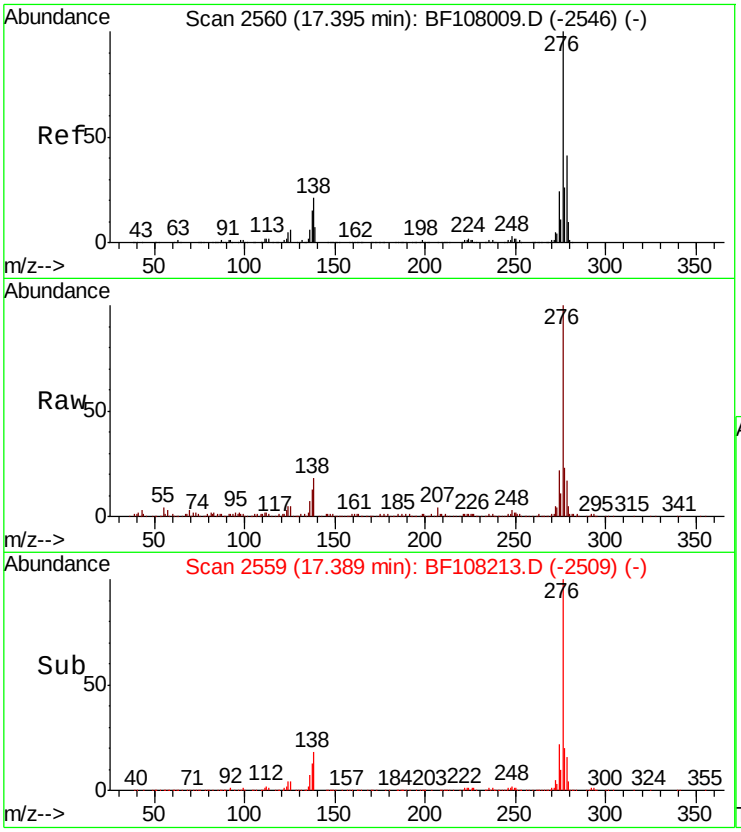


#83
Bis(2-ethylhexyl)phthalate
Concen: 5.596 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:149 Resp: 80099

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.3	31.9
279	4.7	3.0	4.4#



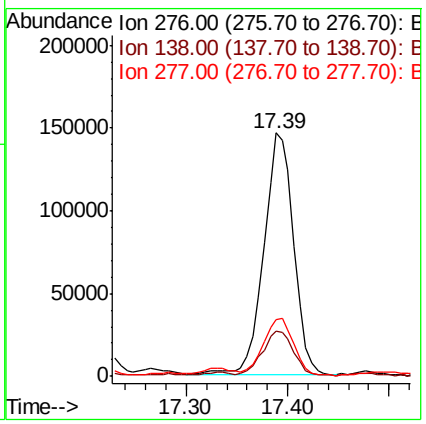


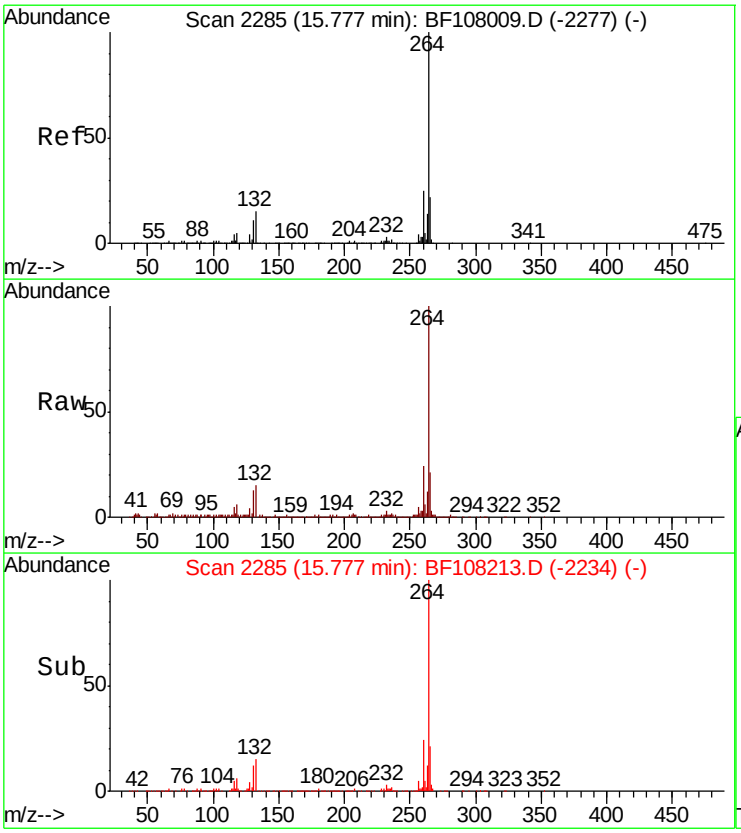
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.674 ng
RT: 17.39 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:276 Resp: 300438

Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	23.8	20.1	30.1

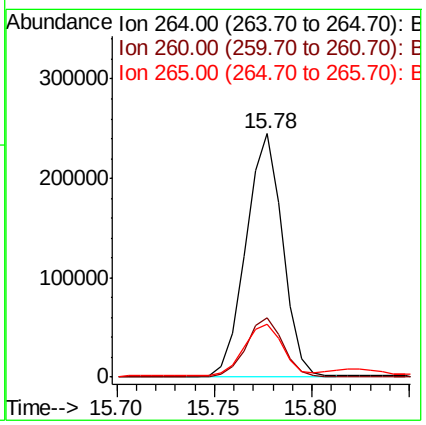


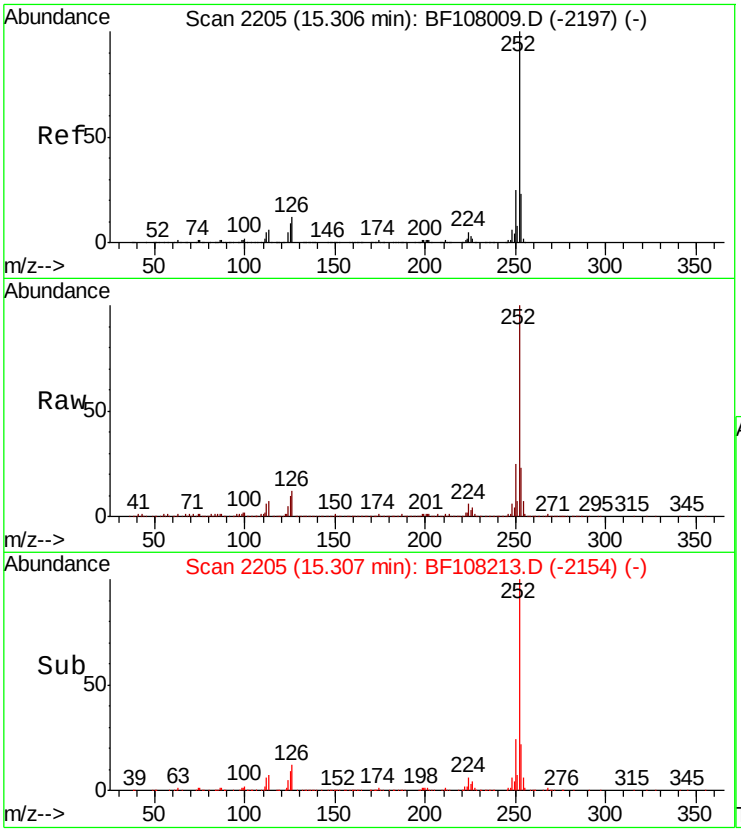


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:264 Resp: 317233

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3



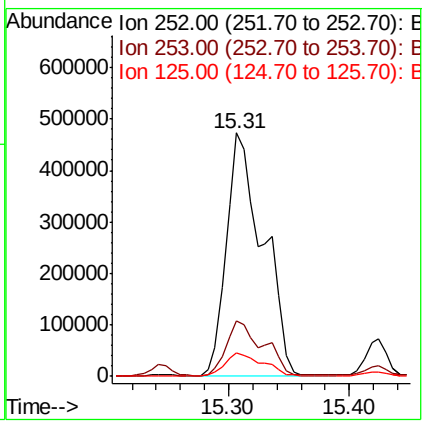


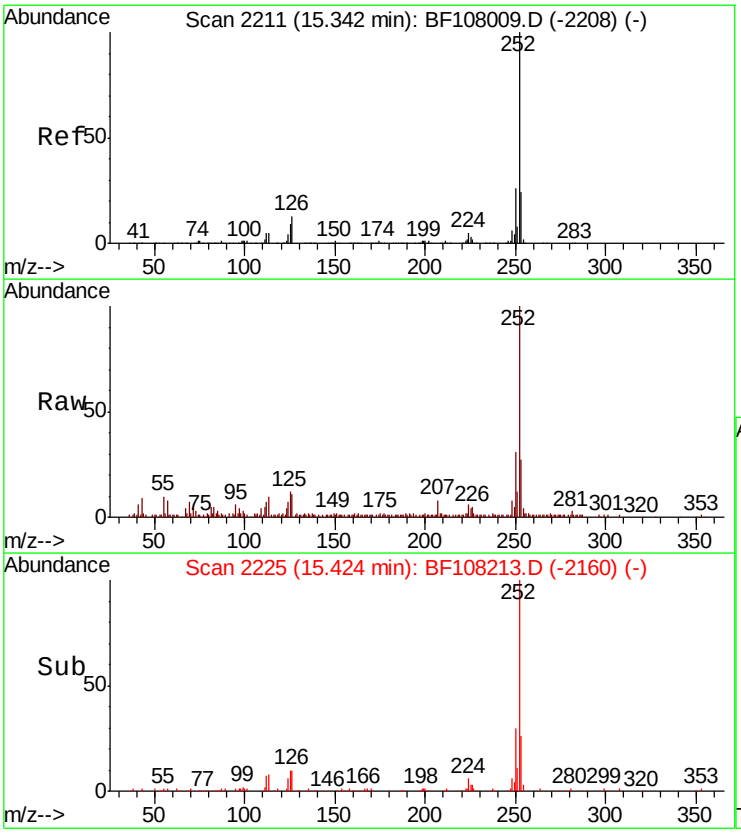
#87
Benzo(b)fluoranthene
Concen: 52.325 ng
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:252 Resp: 991869

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	9.6	9.0	13.6

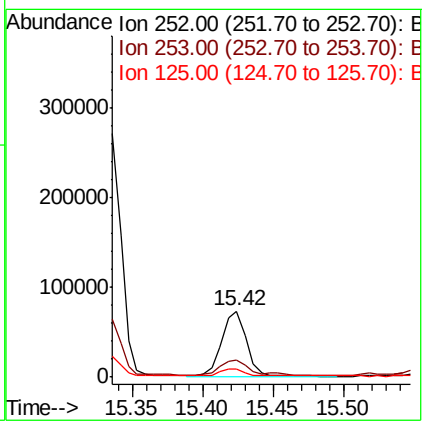


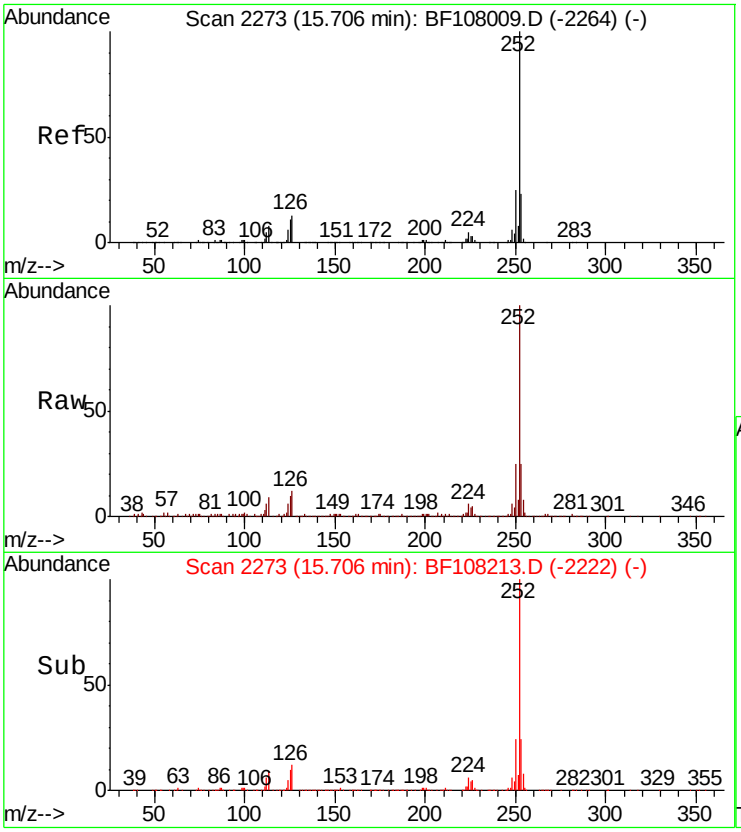


#88
Benzo(k)fluoranthene
Concen: 5.140 ng
RT: 15.42 min Scan# 2225
Delta R.T. 0.08 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:252 Resp: 89566

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	11.8	10.2	15.2



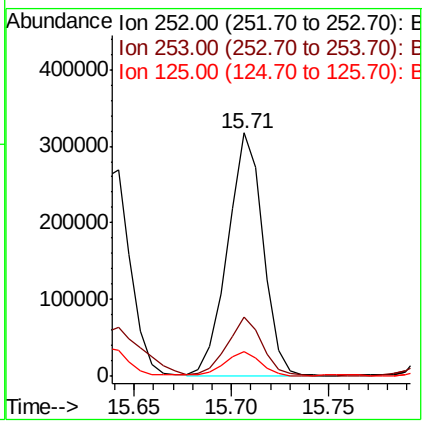


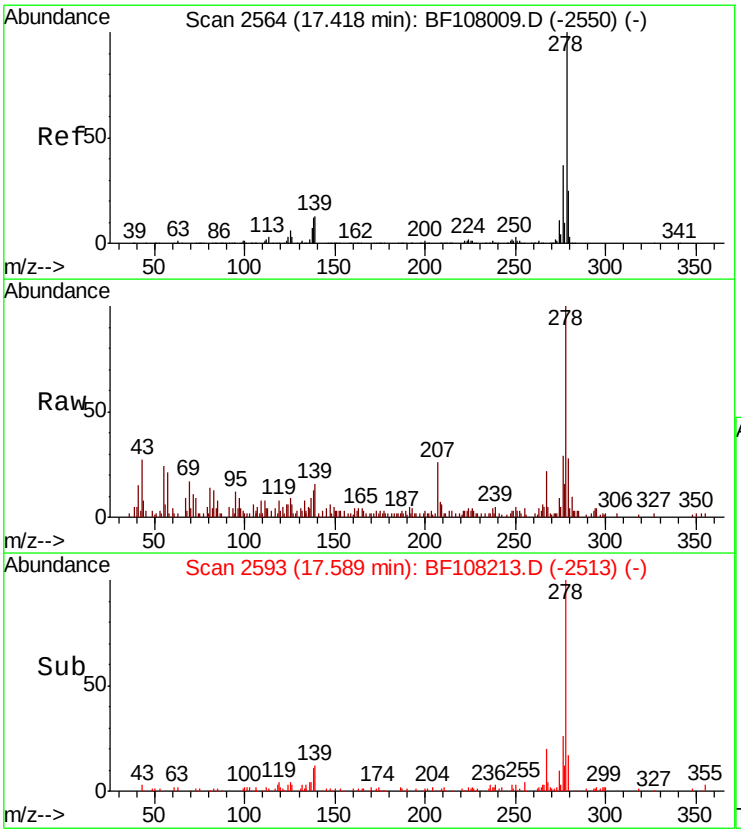
#89
Benzo(a)pyrene
Concen: 23.408 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:252 Resp: 397334

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	10.4	9.8	14.6

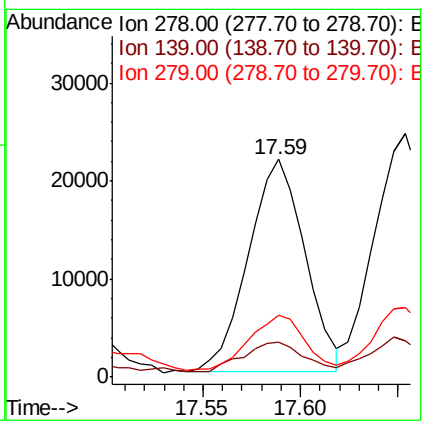


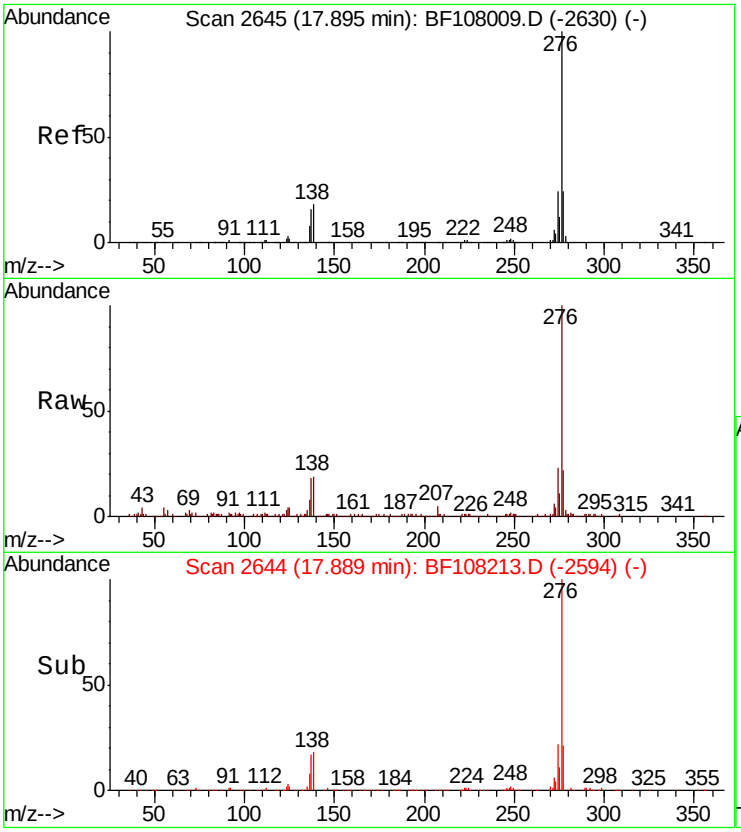


#90
Dibenzo(a,h)anthracene
Concen: 3.106 ng
RT: 17.59 min Scan# 2593
Delta R.T. 0.17 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Tgt Ion:278 Resp: 43628

Ion	Ratio	Lower	Upper
278	100		
139	16.3	15.9	23.9
279	28.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 18.768 ng
RT: 17.89 min Scan# 2644
Delta R.T. -0.01 min
Lab File: BF108213.D
Acq: 16 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
LSB-02(0-1)

Tgt Ion:276 Resp: 259551

Ion	Ratio	Lower	Upper
276	100		
277	22.0	17.9	26.9
138	19.4	21.8	32.8#