Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
Data File : BF108398.D
Acq On : 22 Aug 2018 22:06
Operator : JU/SJ
Sample : J4573-07 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 23 02:17:42 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 22 11:01:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	154704	20.00	ng		0.00
21) Naphthalene-d8	8.28	136	599323	20.00	ng		0.00
38) Acenaphthene-d10	10.05	164	277311	20.00	ng		0.00
63) Phenanthrene-d10	11.54	188	447116	20.00	ng		0.00
75) Chrysene-d12	14.19	240	308649	20.00	ng		0.00
86) Perylene-d12	15.75	264	275807	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	155566	18.21	ng		-0.01
7) Phenol-d6	6.61	99	218425	19.24	ng		-0.02
23) Nitrobenzene-d5	7.56	82	136039	12.67	ng		-0.01
41) 2,4,6-Tribromophenol	10.84	330	36178	13.08	ng		-0.01
44) 2-Fluorobiphenyl	9.35	172	242400	14.03	ng		-0.01
78) Terphenyl-d14	13.12	244	166478	13.71	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	17540	2.284	ng	#	84
25) Isophorone	7.56	82	136038	6.645	ng	#	64
50) 2,6-Dinitrotoluene	10.05	165	36427	9.013	ng	#	26
55) 4-Nitrophenol	10.25	139	7066	2.110	ng	#	9
56) 2,4-Dinitrotoluene	10.05	165	36427	7.002	ng	#	24
70) Phenanthrene	11.57	178	247402	11.731	ng		98
71) Anthracene	11.62	178	45365	2.099	ng		100
74) Fluoranthene	12.76	202	290606	12.626	ng		95
77) Pyrene	12.99	202	259237	13.267	ng		98
80) Benzo(a)anthracene	14.18	228	124686	7.039	ng		98
82) Chrysene	14.22	228	108347	6.672	ng		96
85) Indeno(1,2,3-cd)pyrene	17.36	276	50939	3.620	ng	#	90
87) Benzo(b)fluoranthene	15.28	252	184139	11.173	ng		99
88) Benzo(k)fluoranthene	15.28	252	184139	12.155	ng	#	96
89) Benzo(a)pyrene	15.61	252	67398	4.567	ng		96
91) Benzo(g,h,i)perylene	17.85	276	49890	4.149	ng		97

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

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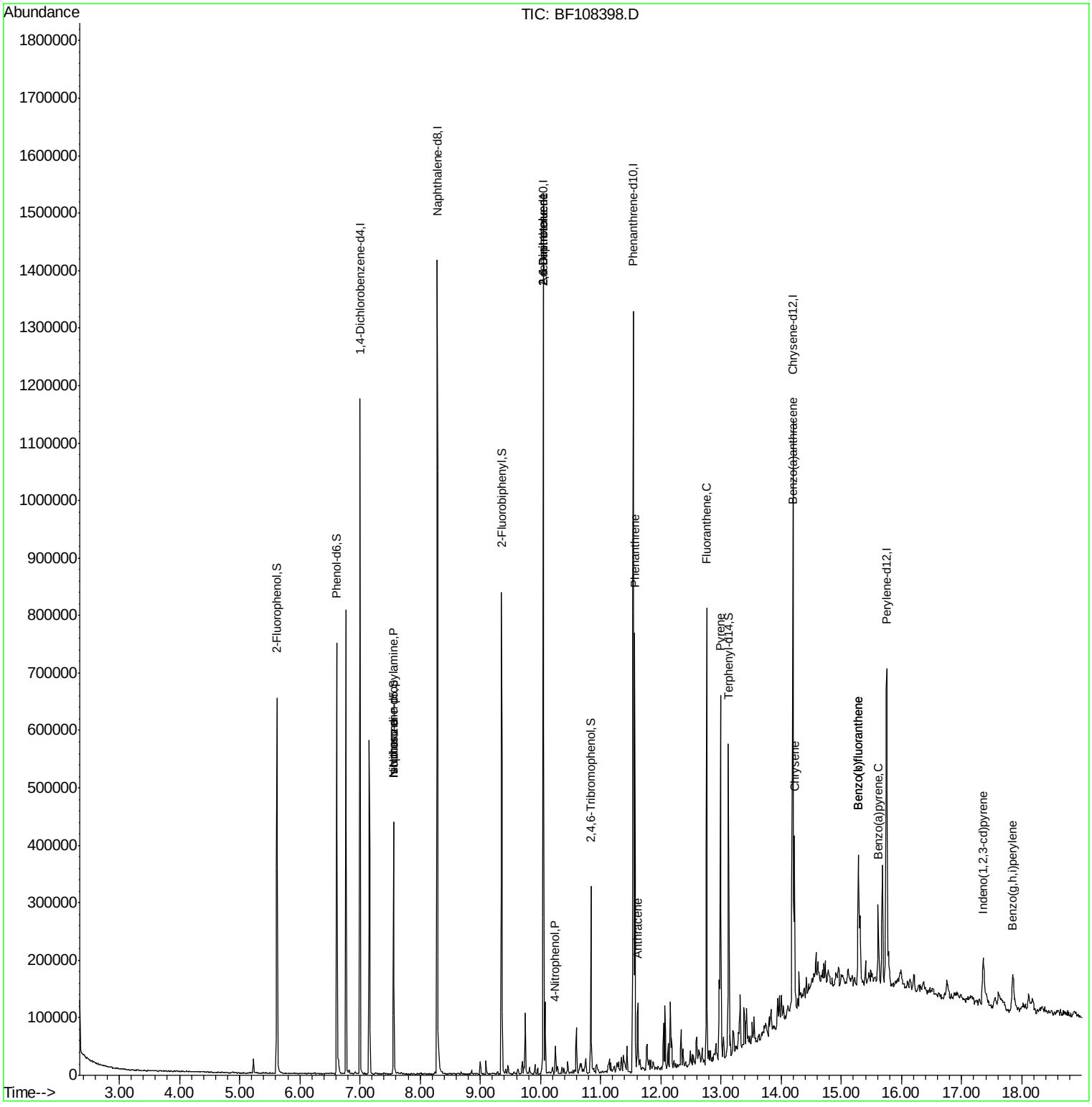
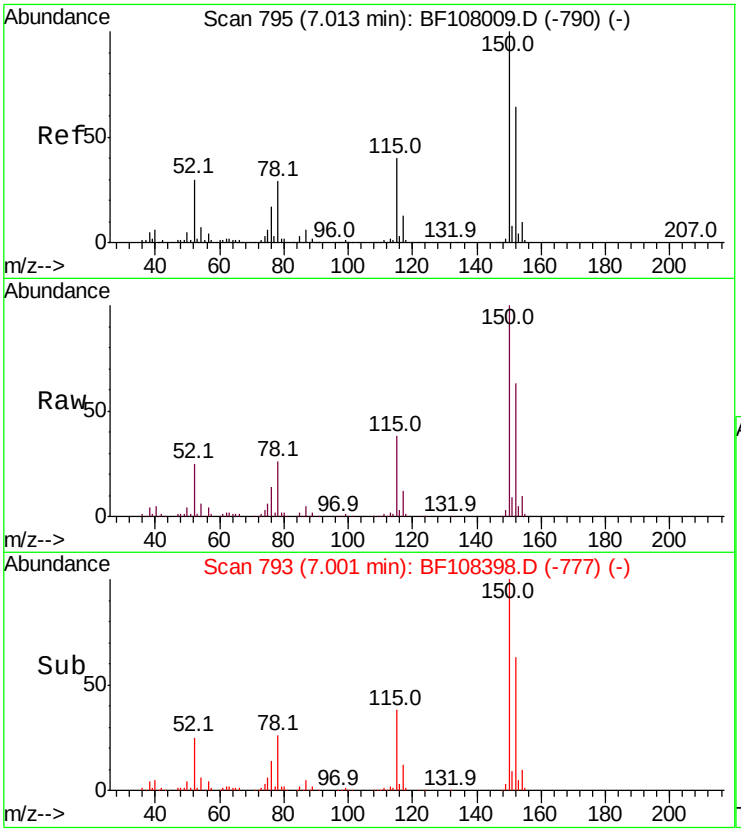


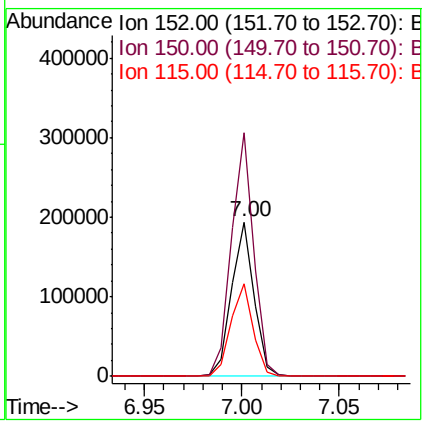


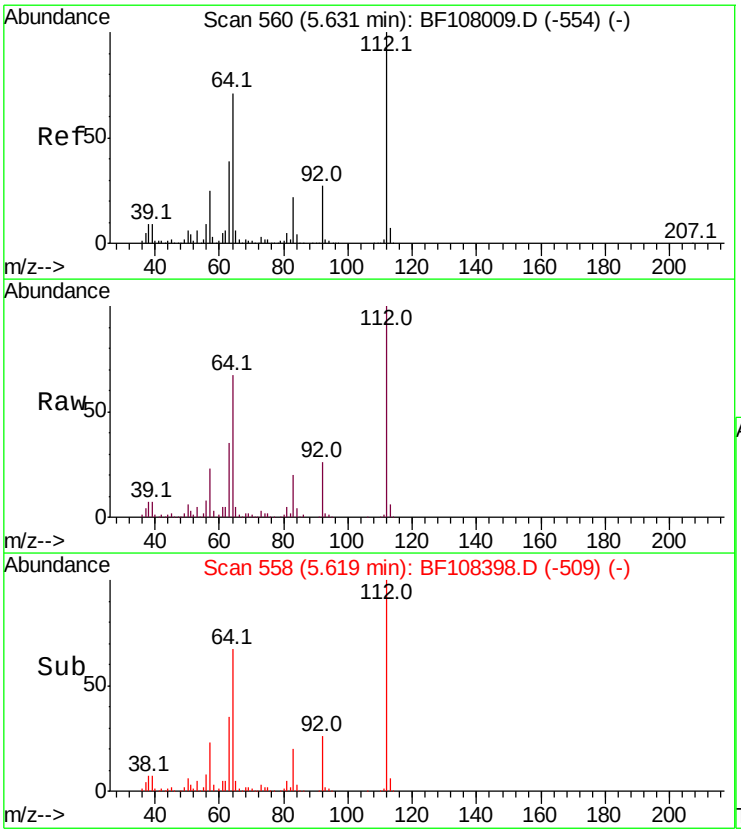
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 154704

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.7	50.1	75.1

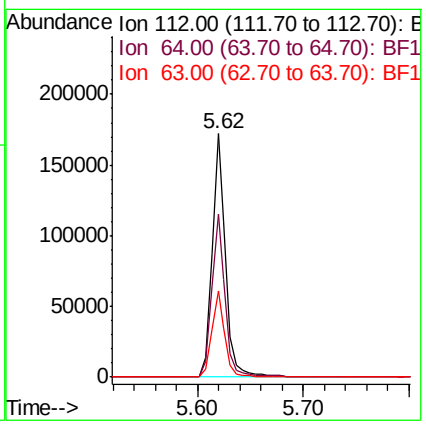


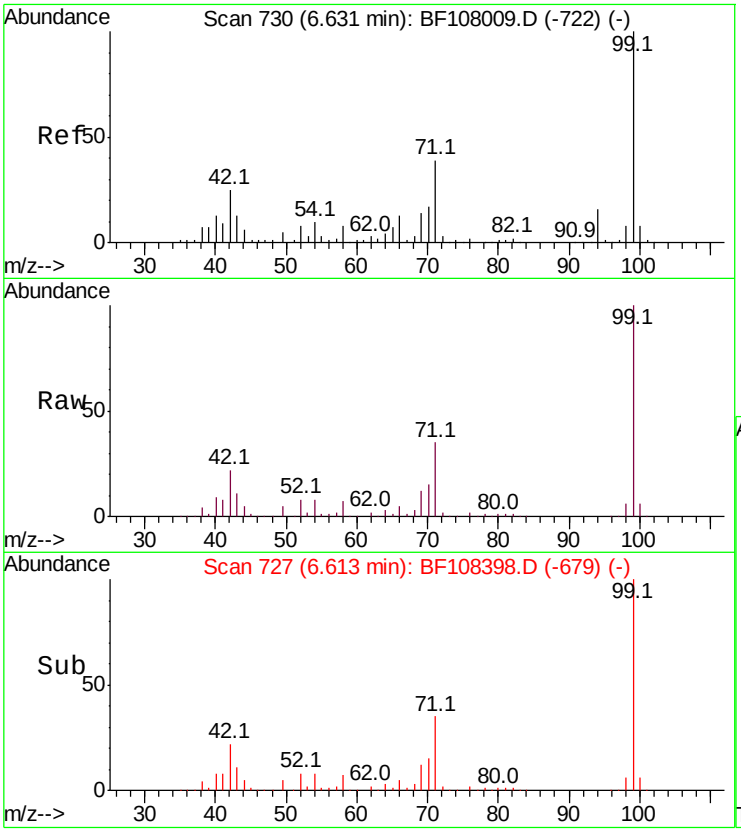


#5
2-Fluorophenol
Concen: 18.205 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:112 Resp: 155566

Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.2	23.7	35.5



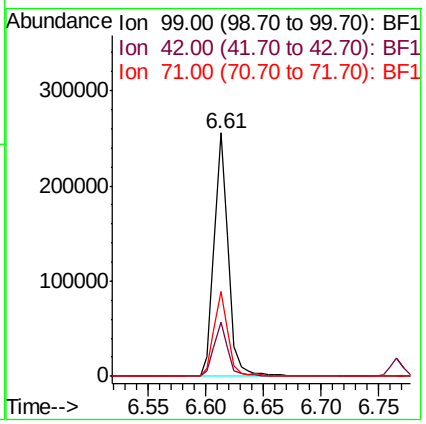


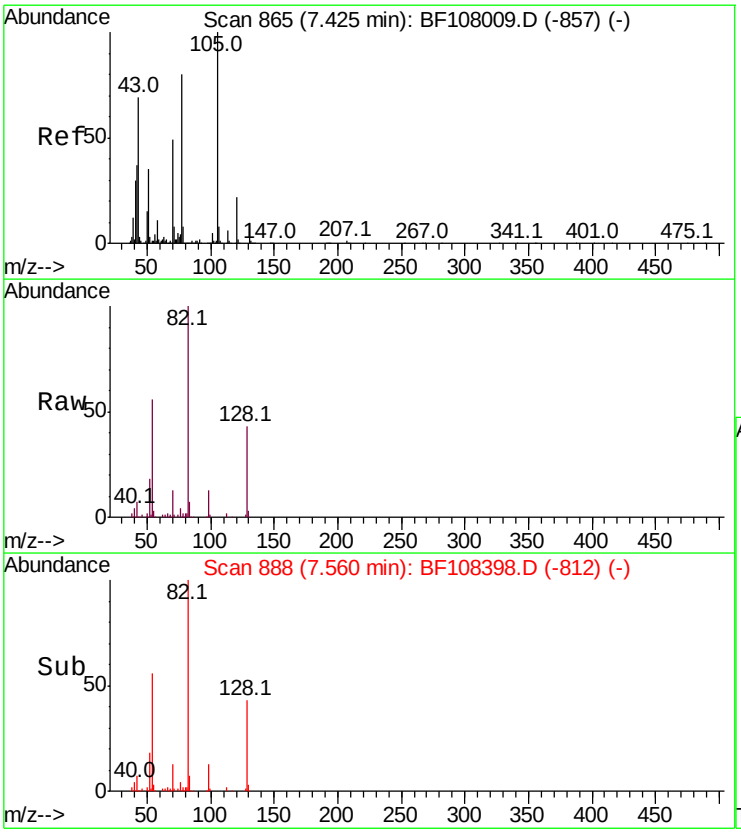
#7
Phenol-d6
Concen: 19.236 ng
RT: 6.61 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 218425

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	35.0	25.4	38.0

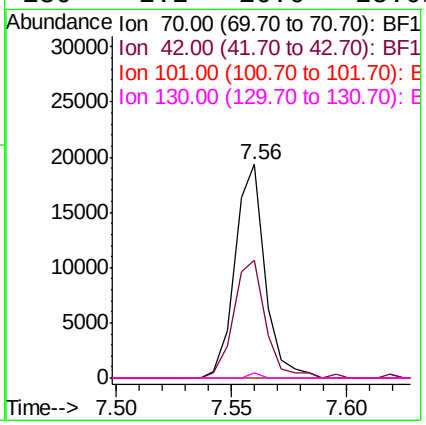


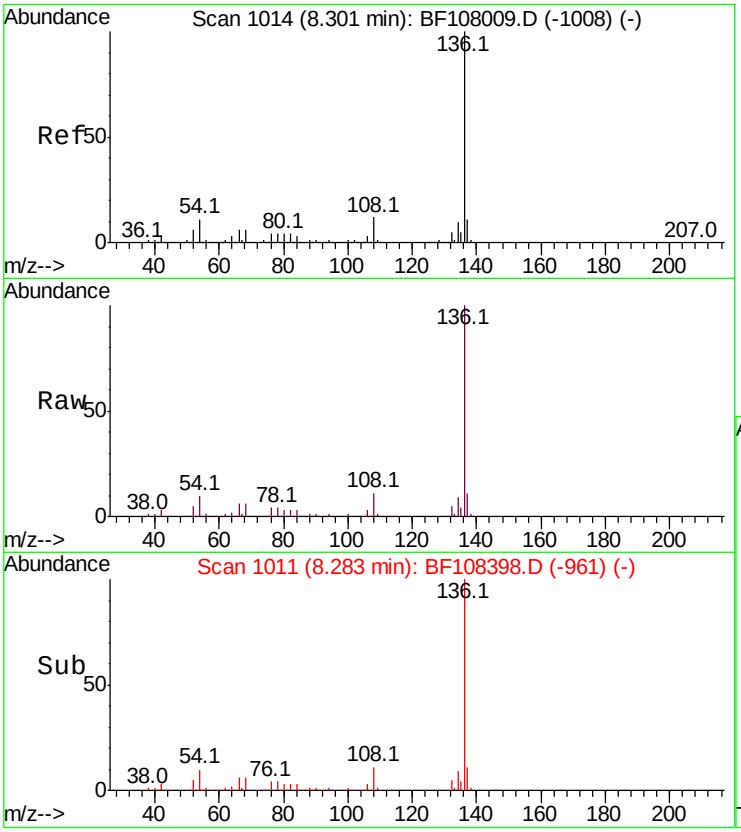


#19
n-Nitroso-di-n-propylamine
Concen: 2.284 ng
RT: 7.56 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion: 70 Resp: 17540

Ion	Ratio	Lower	Upper
70	100		
42	54.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



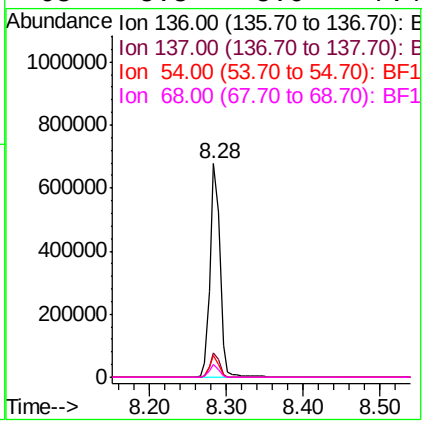


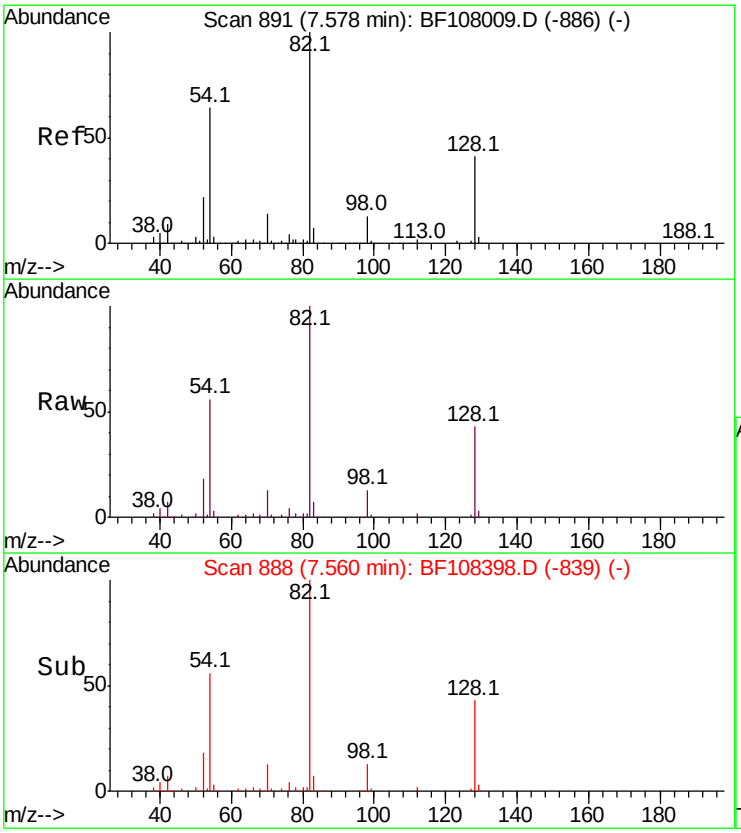
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 599323

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.0	6.6	9.8#
68	5.8	5.0	7.4

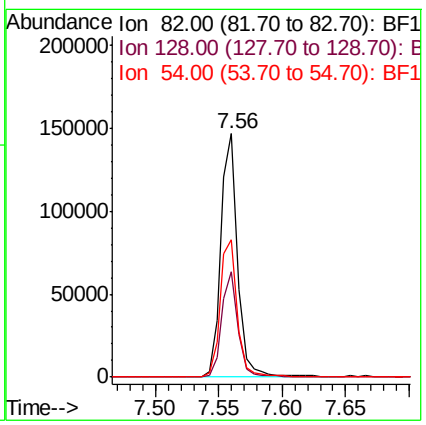


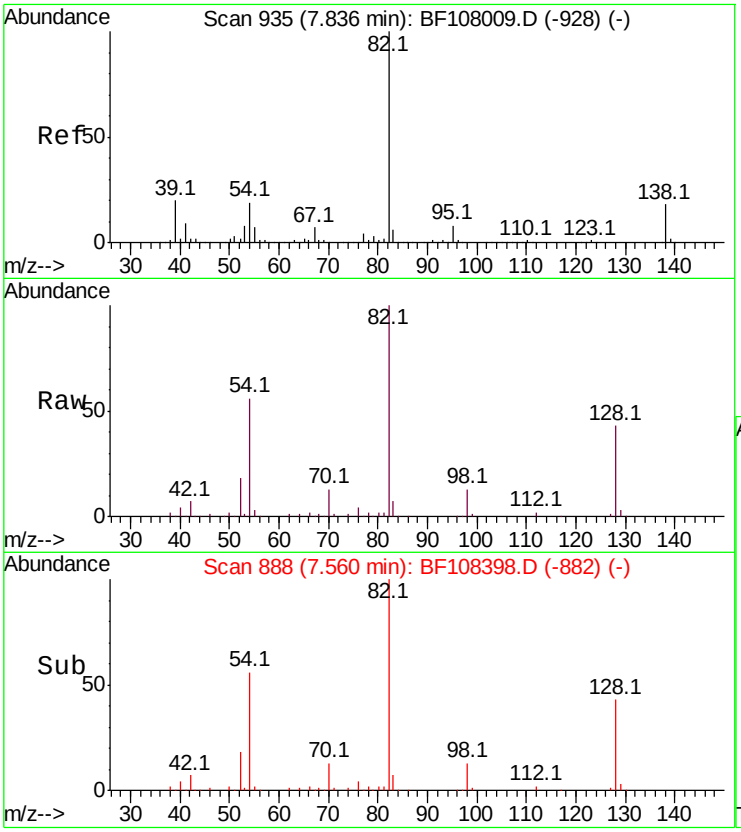


#23
Nitrobenzene-d5
Concen: 12.666 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion: 82 Resp: 136039

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	56.2	41.4	62.2



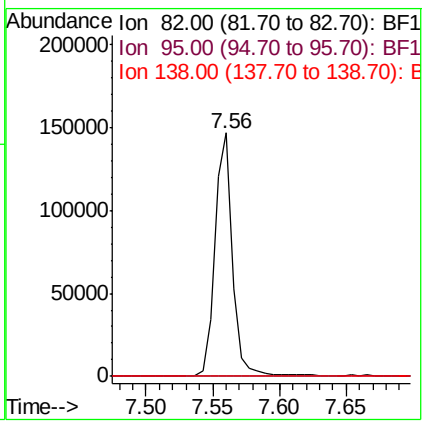


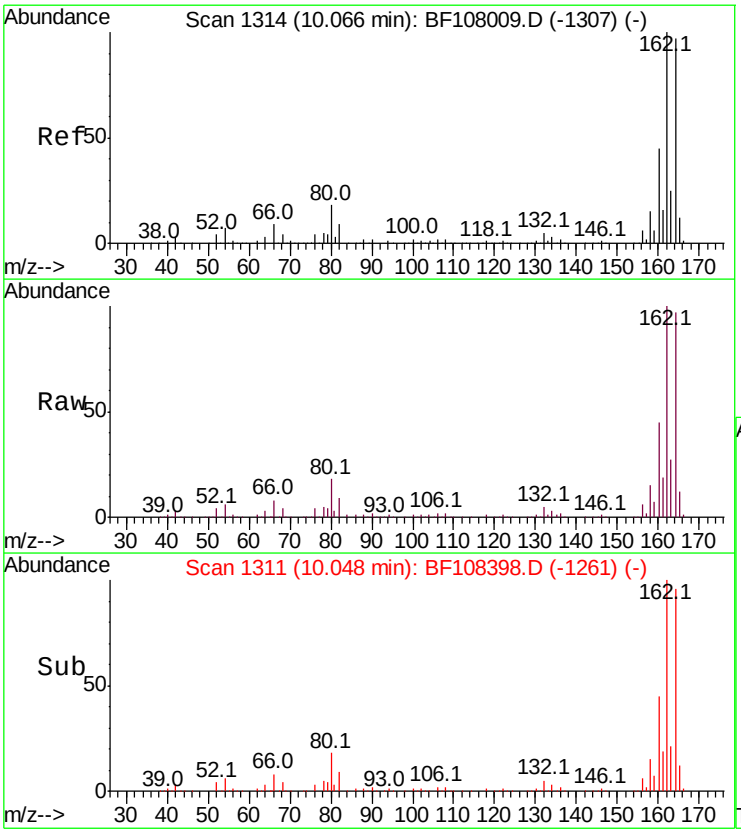
#25
Isophorone
Concen: 6.645 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 136038

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

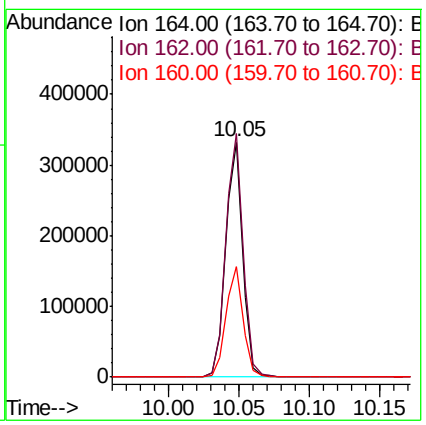


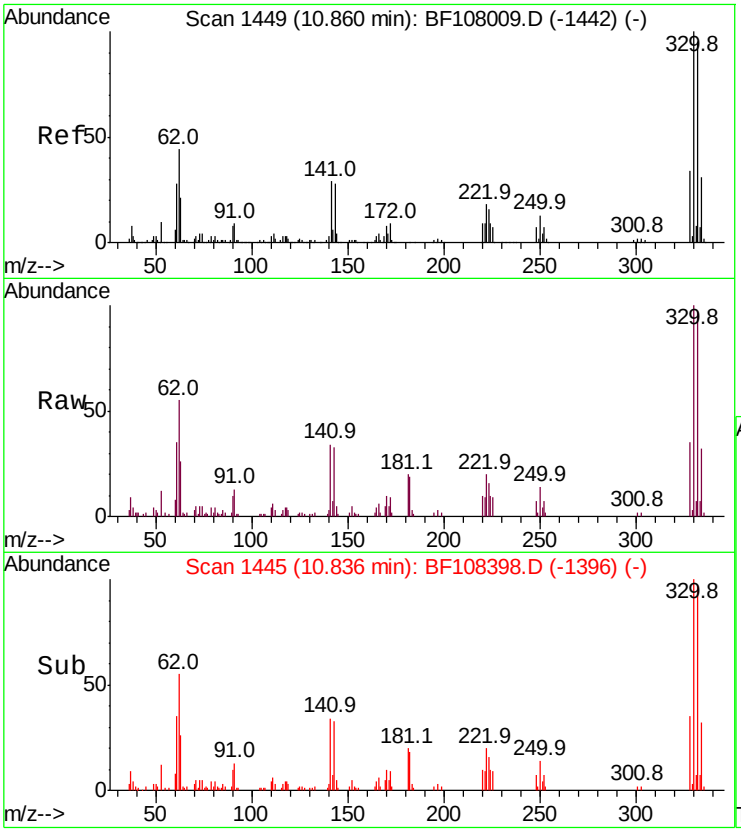


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:164 Resp: 277311

Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	46.7	38.3	57.5



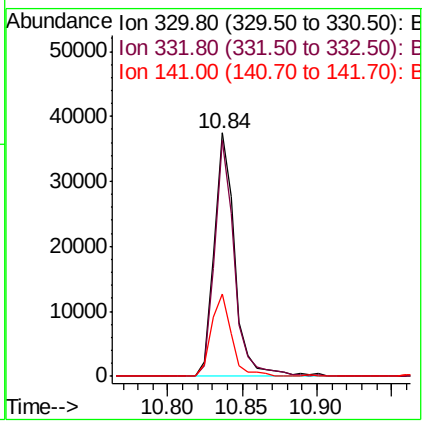


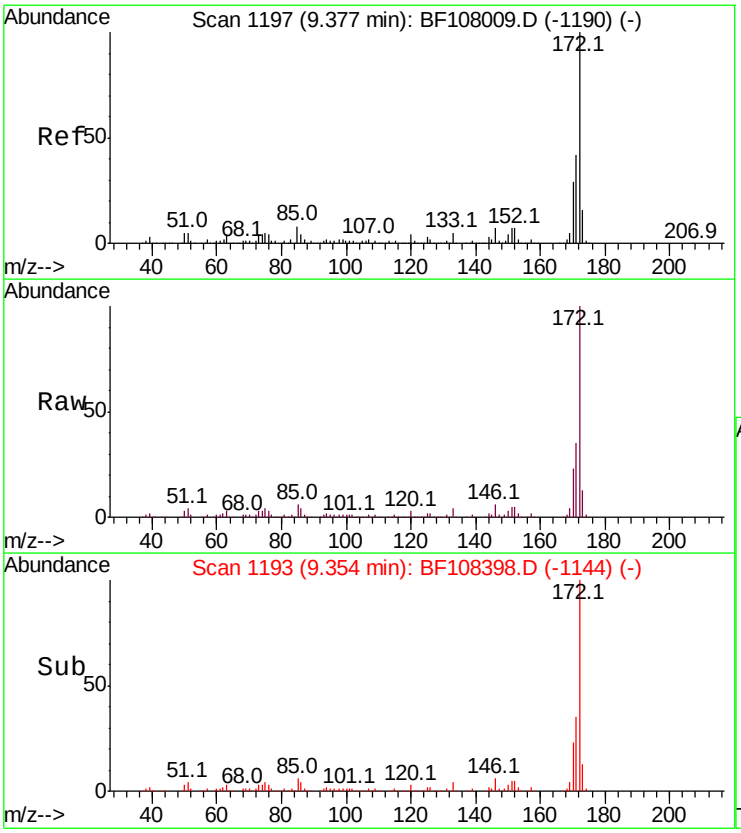
#41
2,4,6-Tribromophenol
Concen: 13.079 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 36178

Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.0	115.6
141	33.1	29.9	44.9

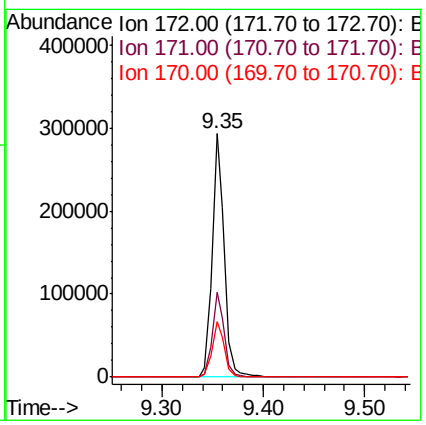


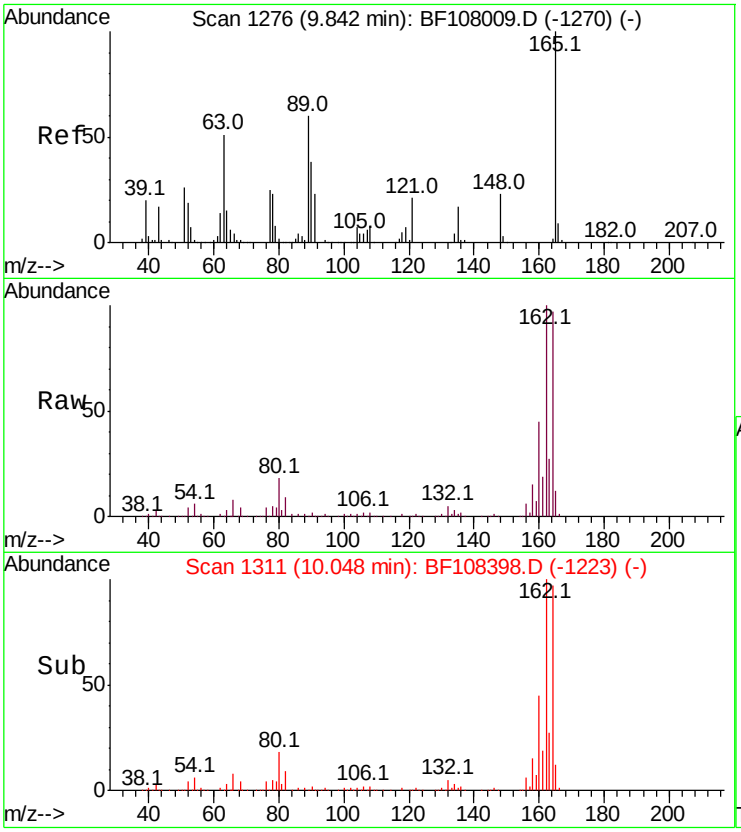


#44
2-Fluorobiphenyl
Concen: 14.034 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:172 Resp: 242400

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.0	19.6	29.4



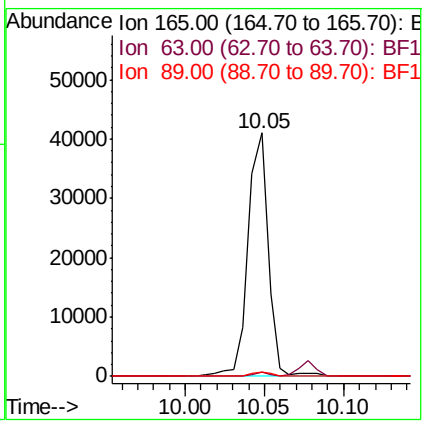


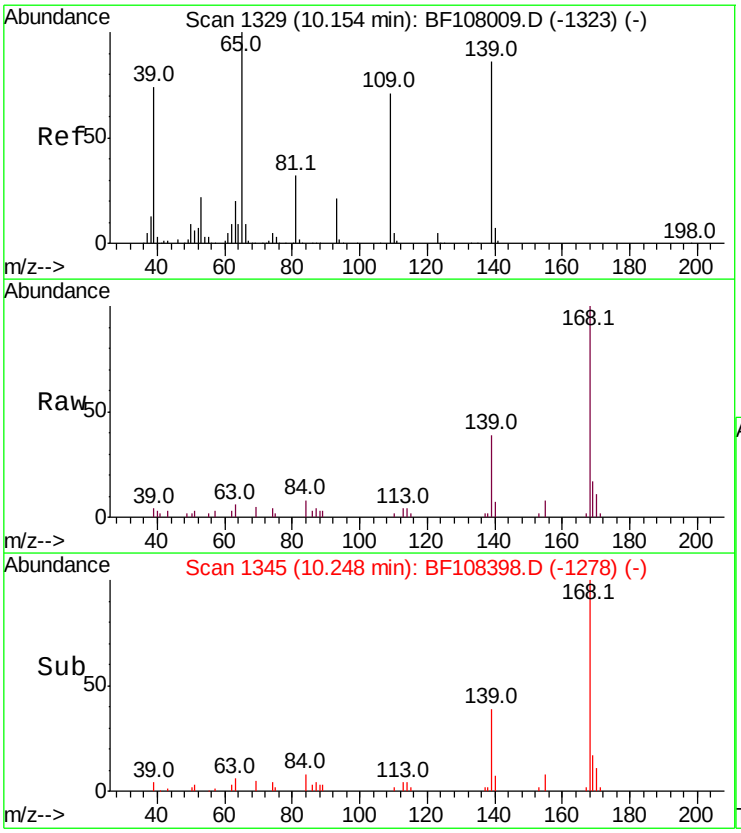
#50
2,6-Dinitrotoluene
Concen: 9.013 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 36427

Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.8	44.0	66.0#

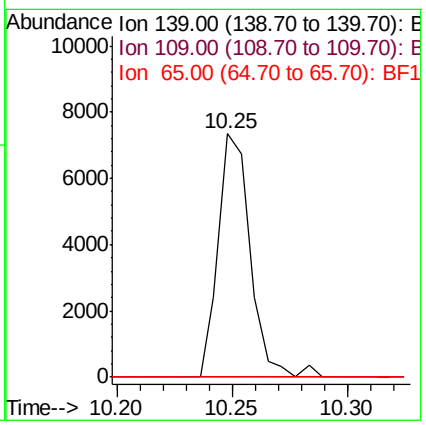


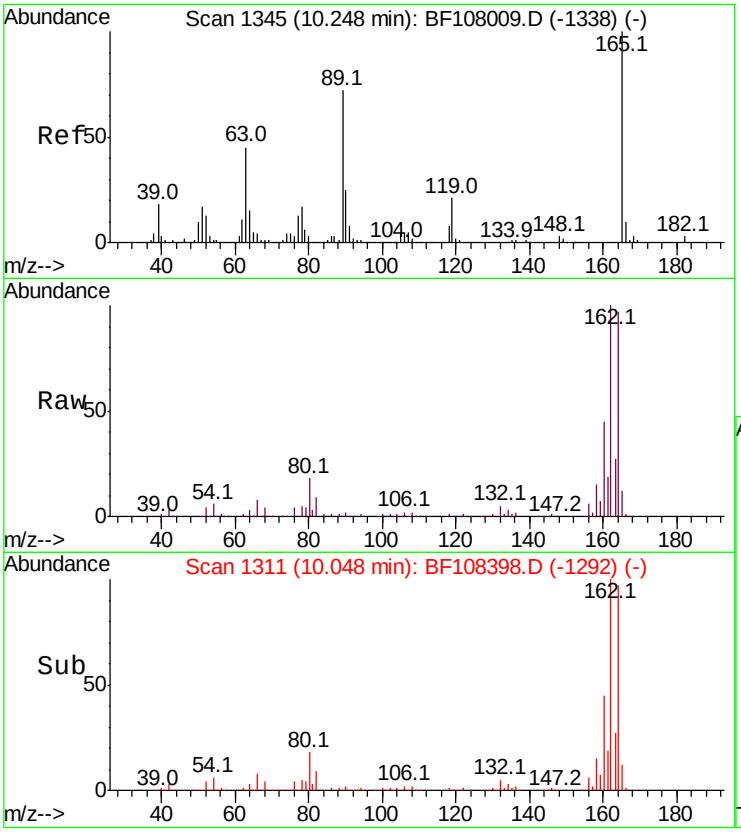


#55
4-Nitrophenol
Concen: 2.110 ng
RT: 10.25 min Scan# 1345
Delta R.T. 0.09 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:139 Resp: 7066

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



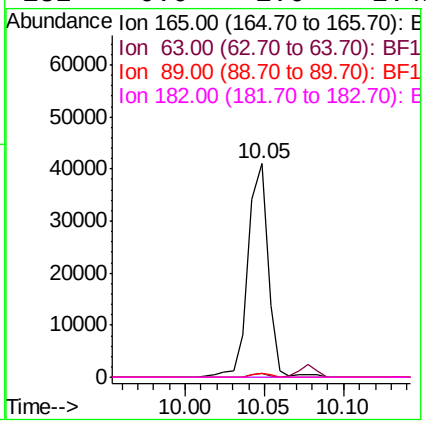


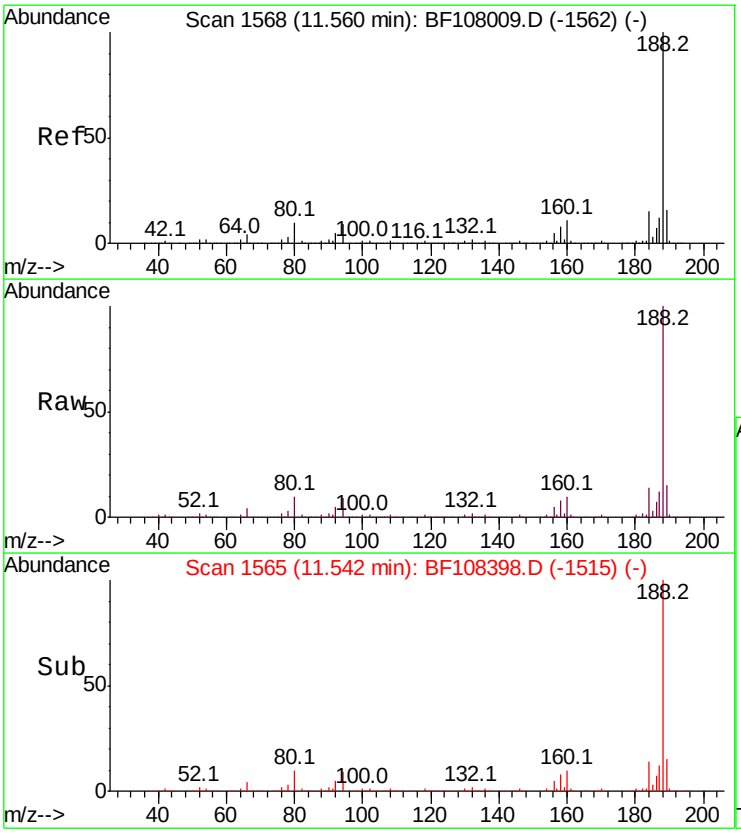
#56
2,4-Dinitrotoluene
Concen: 7.002 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.19 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 36427

Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

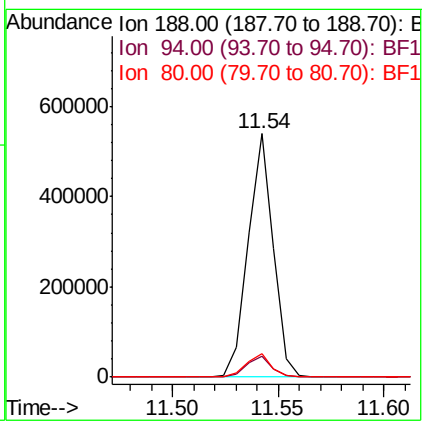


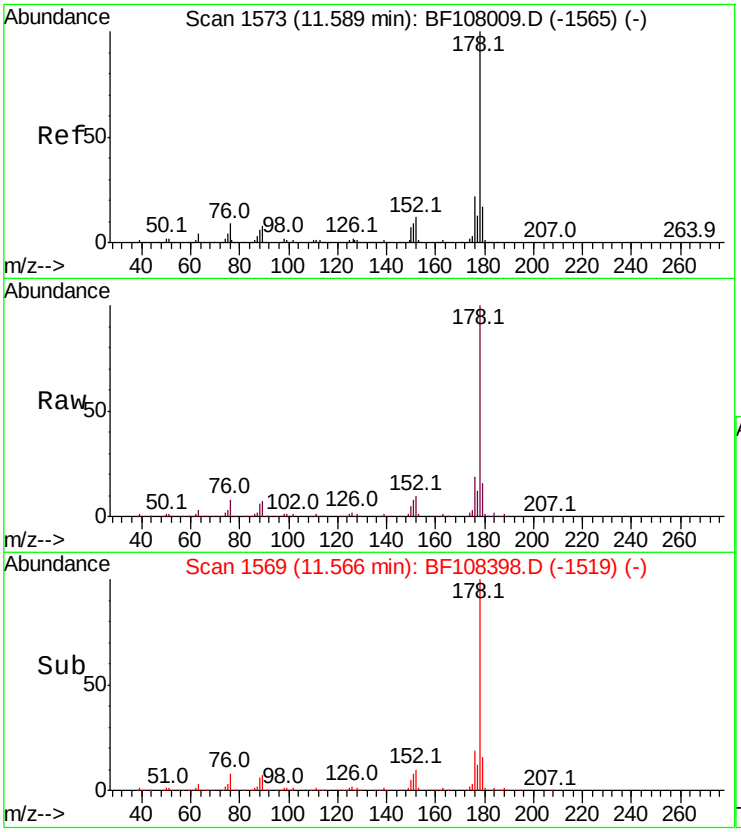


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:188 Resp: 447116

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.6	9.2	13.8



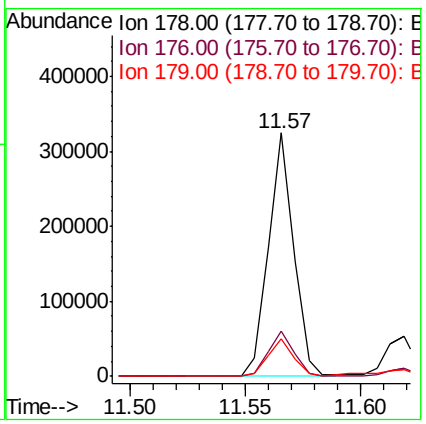


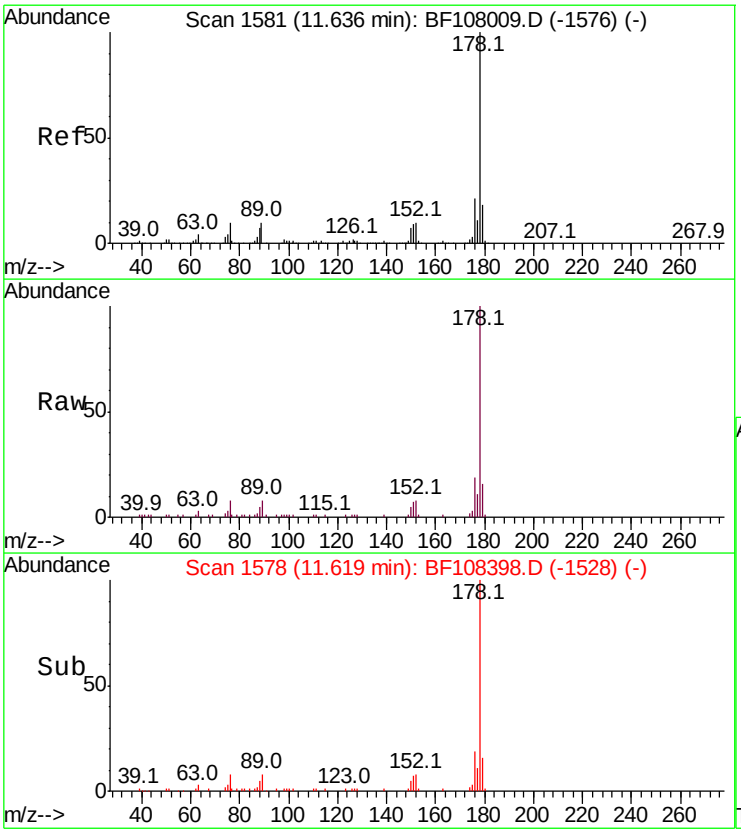
#70
Phenanthrene
Concen: 11.731 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 247402

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	13.0	19.6

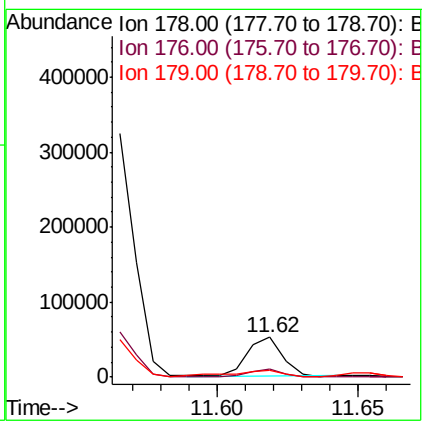


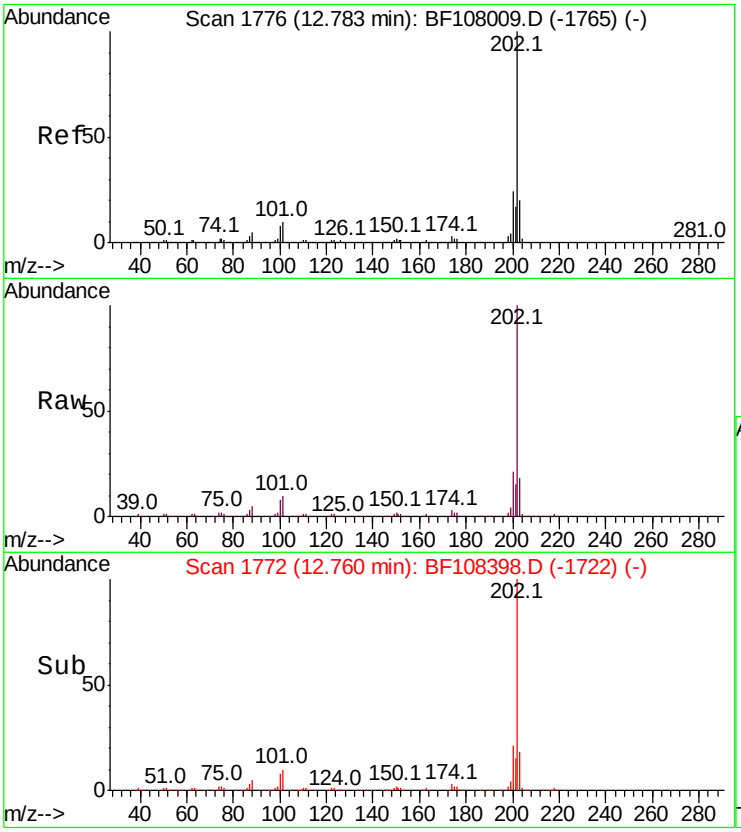


#71
Anthracene
Concen: 2.099 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:178 Resp: 45365

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0



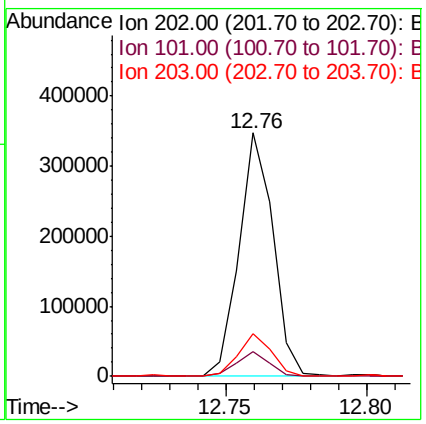


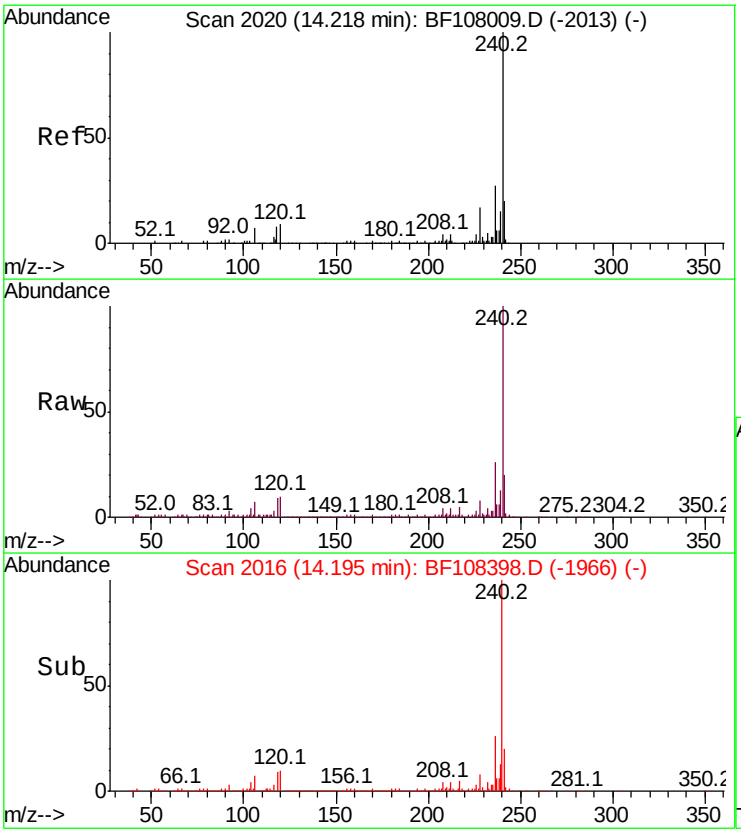
#74
Fluoranthene
Concen: 12.626 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 290606

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	17.6	0.0	38.1

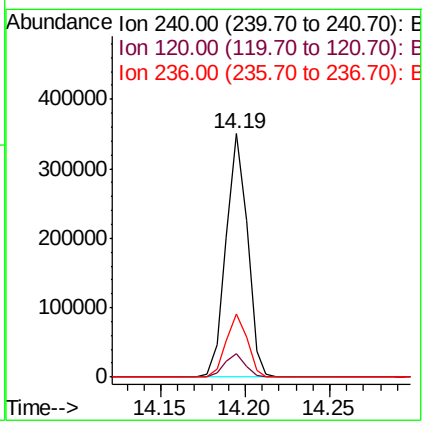


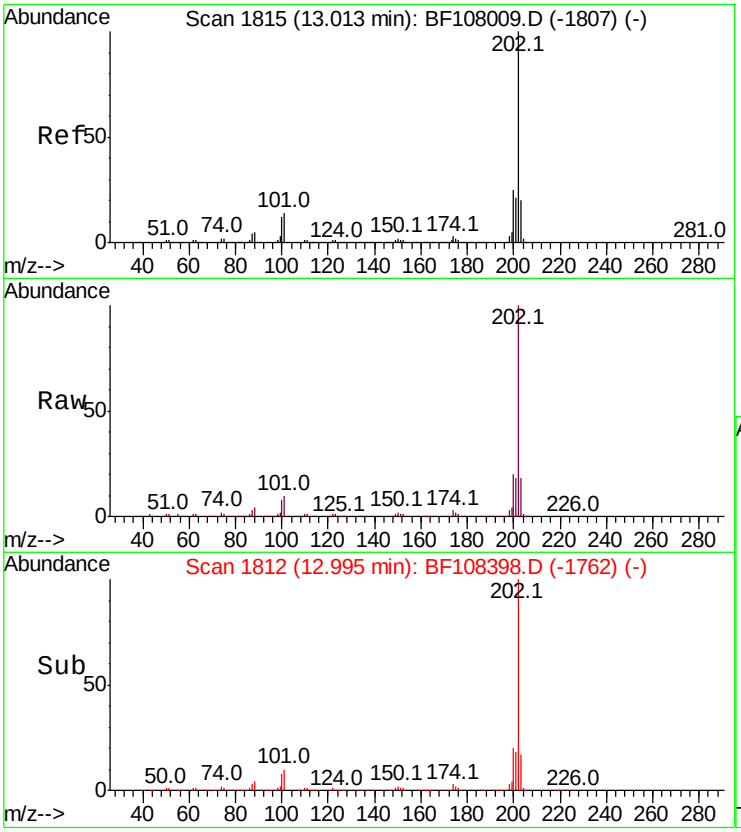


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:240 Resp: 308649

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3
236	26.2	20.7	31.1



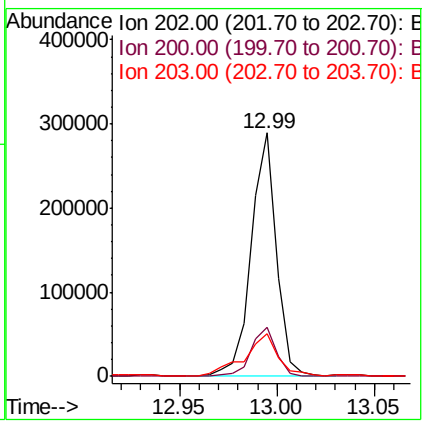


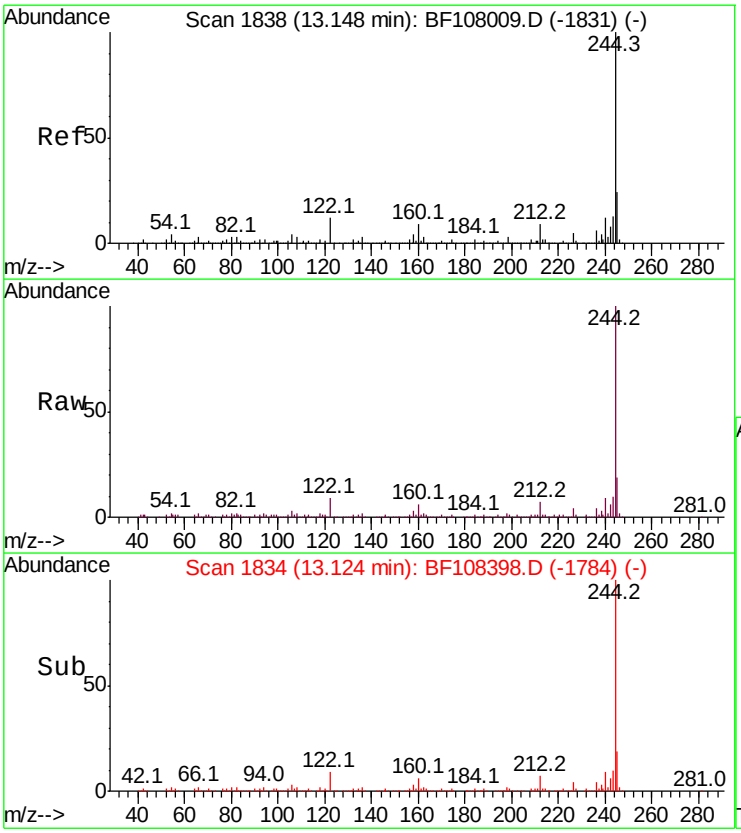
#77
Pyrene
Concen: 13.267 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 259237

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.7	14.3	21.5

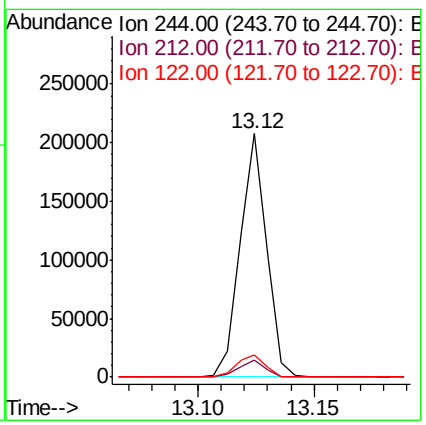


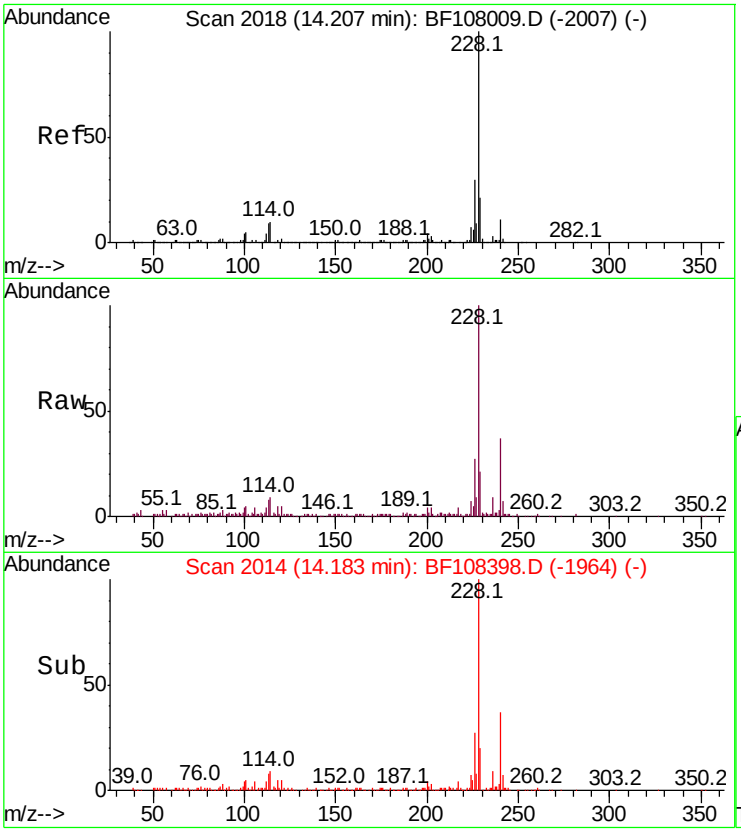


#78
Terphenyl-d14
Concen: 13.714 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:244 Resp: 166478

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	8.9	11.0	16.4#



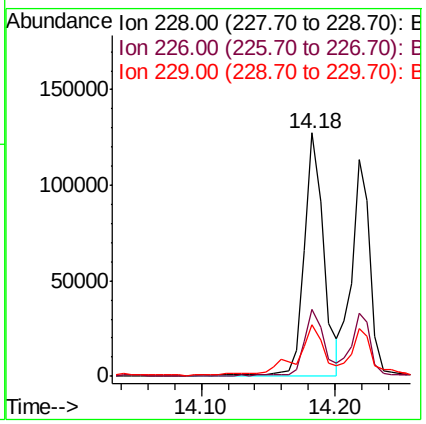


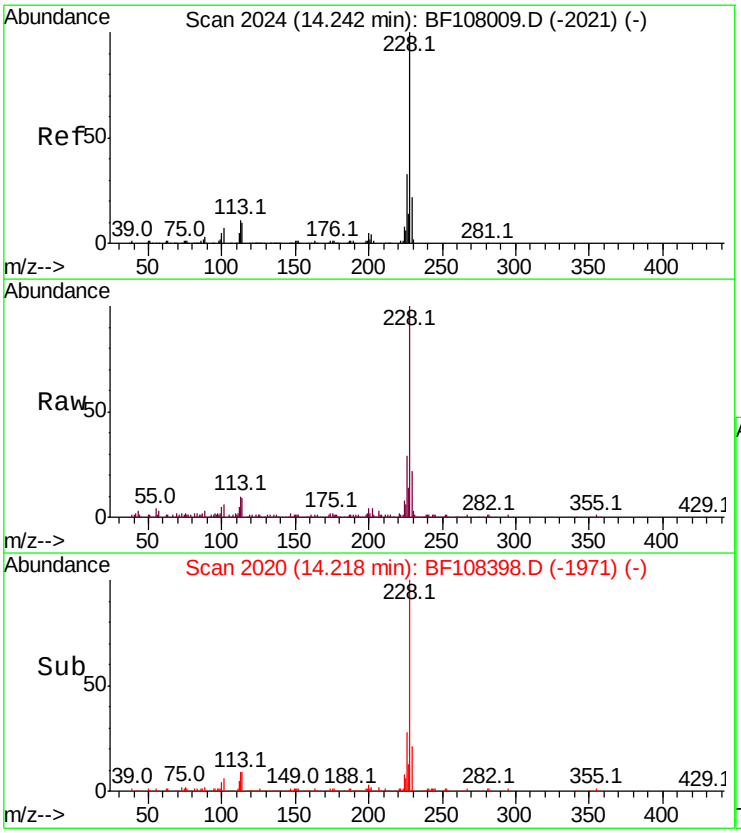
#80
Benzo(a)anthracene
Concen: 7.039 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 124686

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	21.0	15.8	23.6

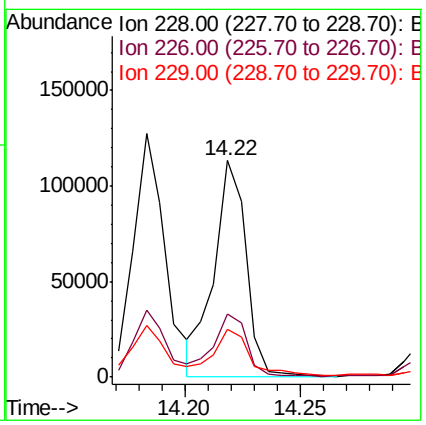


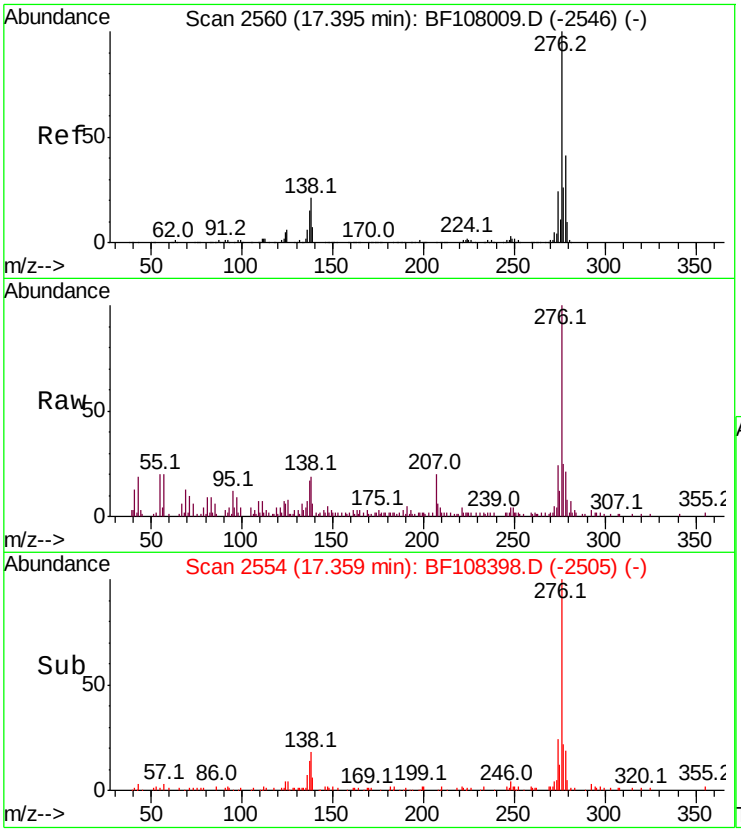


#82
Chrysene
Concen: 6.672 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:228 Resp: 108347

Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	21.9	16.2	24.4



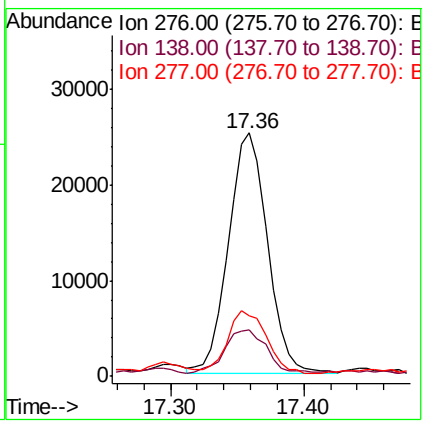


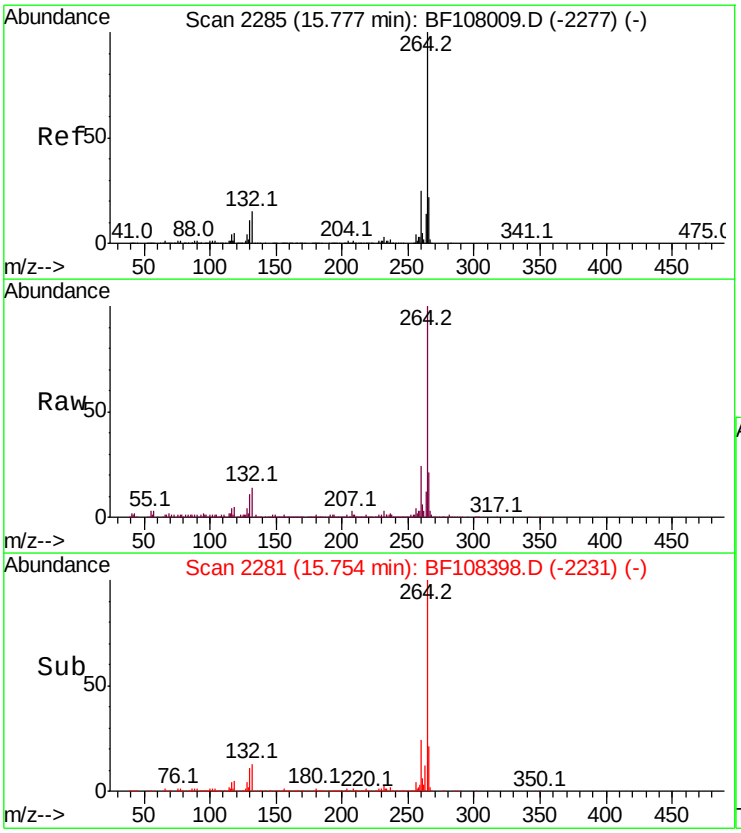
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.620 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 50939

Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	25.4	20.1	30.1

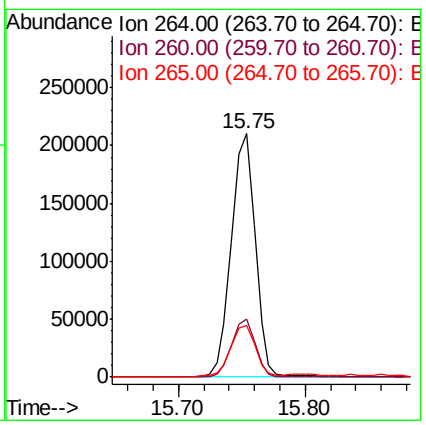


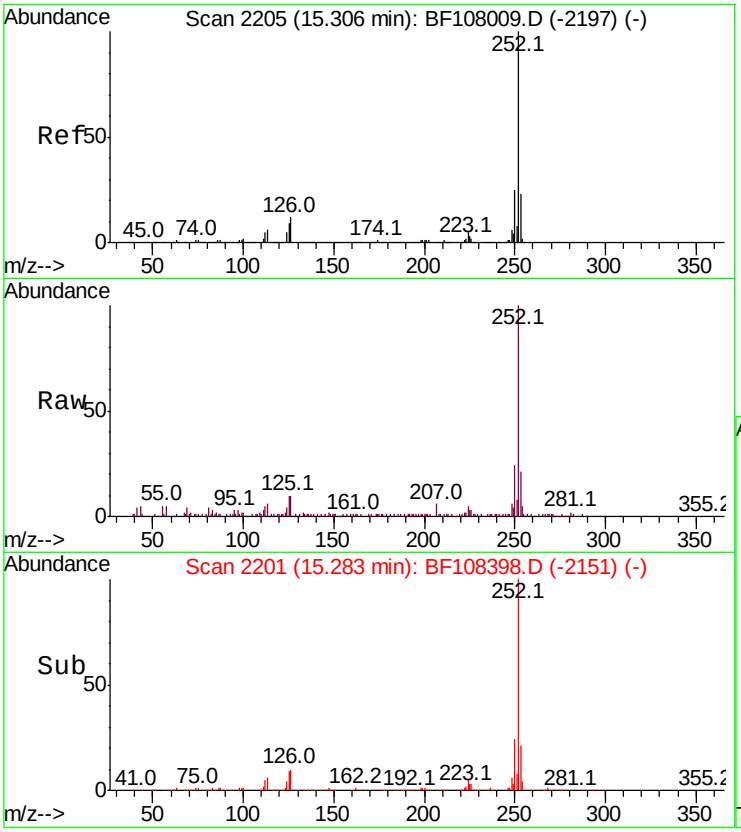


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:264 Resp: 275807

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3



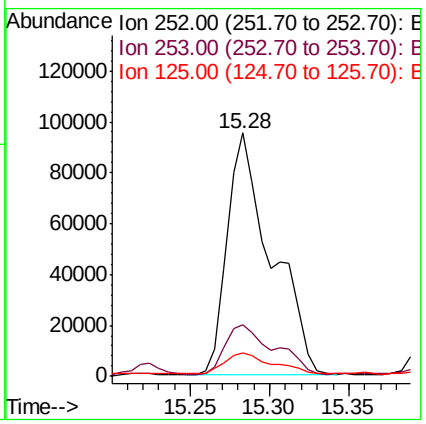


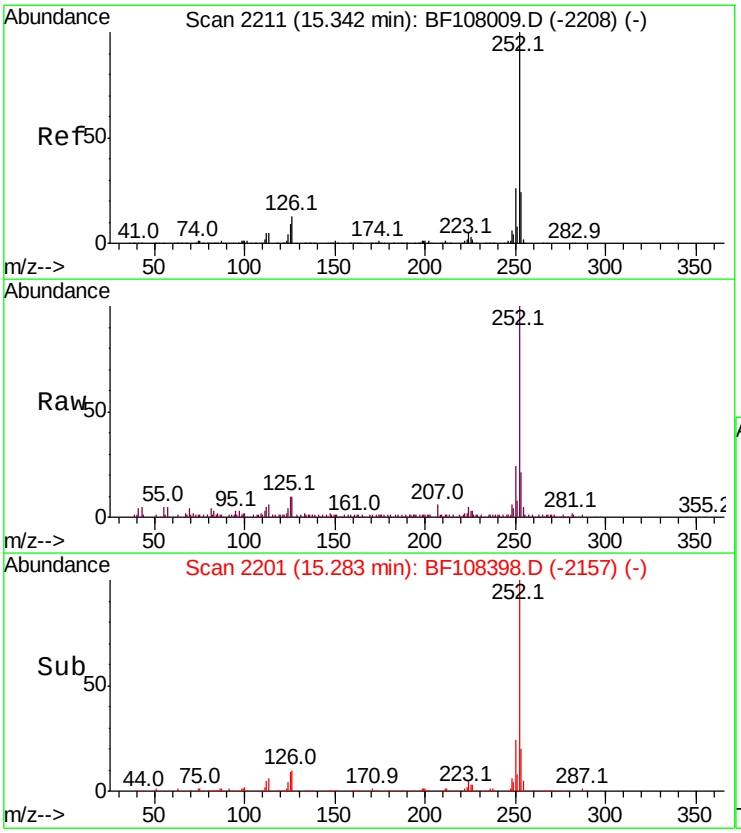
#87
Benzo(b)fluoranthene
Concen: 11.173 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 184139

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	9.8	9.0	13.6

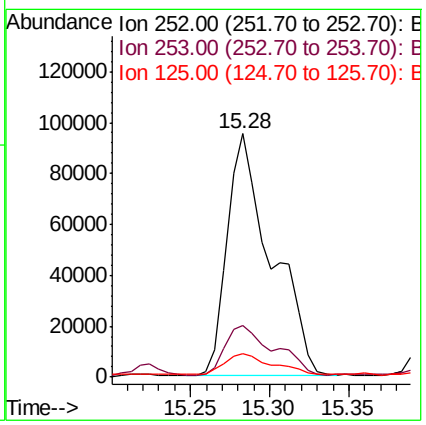


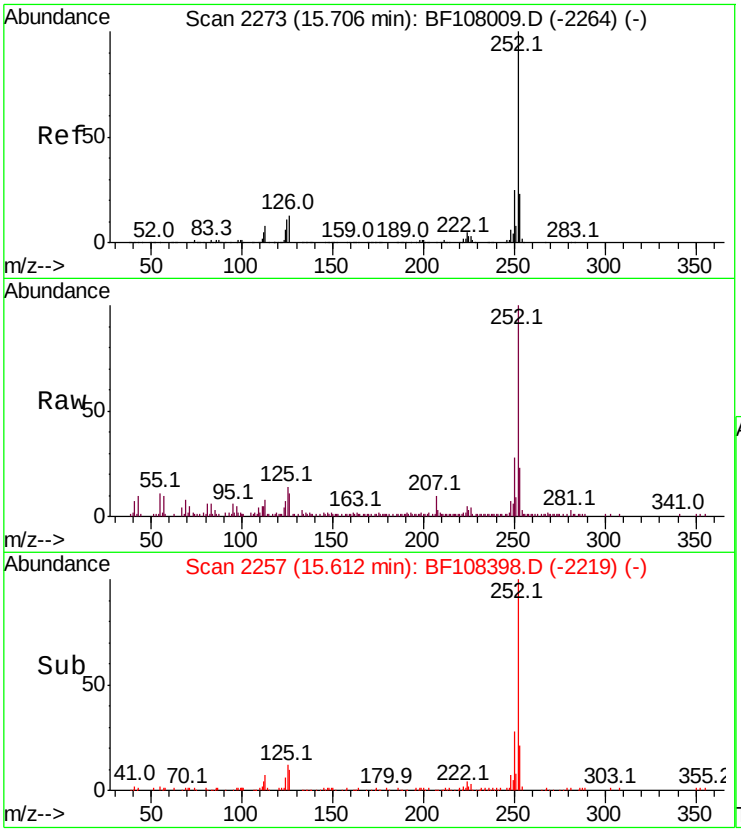


#88
Benzo(k)fluoranthene
Concen: 12.155 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:252 Resp: 184139

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	9.8	10.2	15.2#



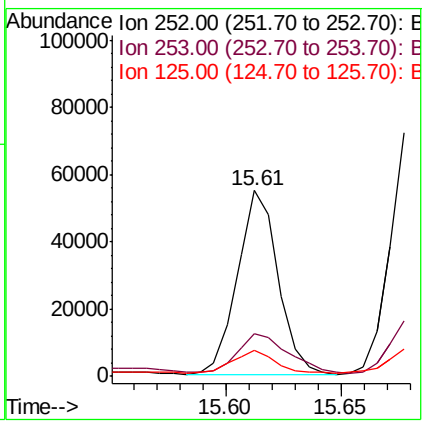


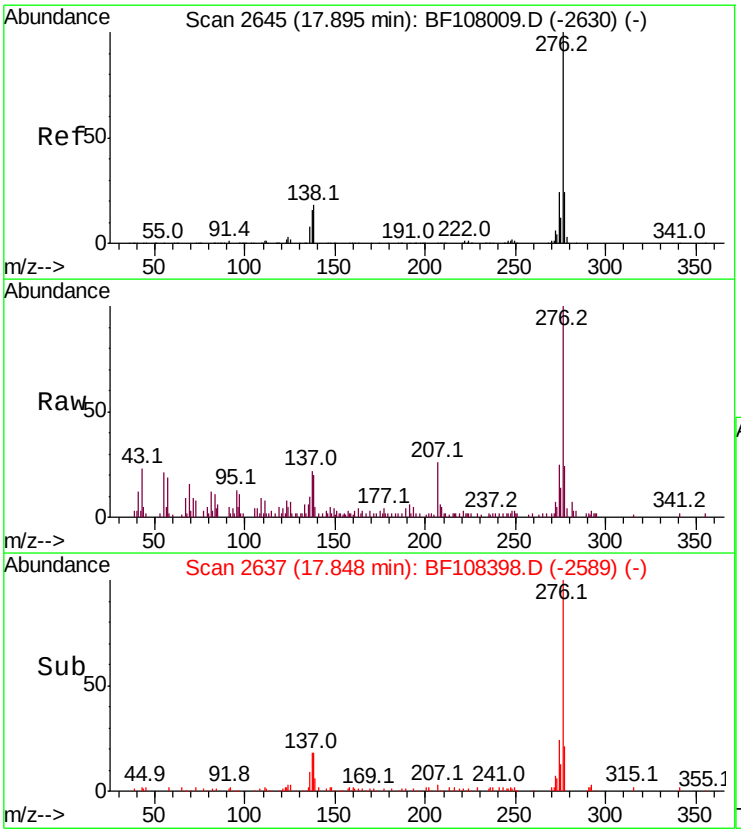
#89
Benzo(a)pyrene
Concen: 4.567 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.08 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 67398

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.8	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 4.149 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion:276 Resp: 49890

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	25.5	21.8	32.8