Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
Data File : BF112830.D
Acq On : 4 Mar 2019 17:56
Operator : JU/SJ
Sample : K1712-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : Z-2-2

Quant Time: Mar 05 00:38:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	154143	20.00	ng		0.00
21) Naphthalene-d8	8.03	136	554103	20.00	ng		0.00
39) Acenaphthene-d10	9.77	164	245807	20.00	ng		0.00
64) Phenanthrene-d10	11.26	188	513447	20.00	ng		0.01
76) Chrysene-d12	13.89	240	453163	20.00	ng		0.01
87) Perylene-d12	15.30	264	333815	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	553915	55.90	ng		0.00
7) Phenol-d6	6.37	99	692858	55.66	ng		0.00
23) Nitrobenzene-d5	7.30	82	392062	42.34	ng		0.00
42) 2,4,6-Tribromophenol	10.56	330	192475	73.76	ng		0.00
45) 2-Fluorobiphenyl	9.10	172	639727	36.98	ng		0.00
79) Terphenyl-d14	12.83	244	693344	29.66	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	51138	6.487	ng	#	78
25) Isophorone	7.30	82	386839	19.391	ng	#	66
50) Dimethylphthalate	9.49	163	44199	2.439	ng		98
51) 2,6-Dinitrotoluene	9.77	165	31365	8.310	ng	#	18
56) 4-Nitrophenol	9.98	139	7950	2.127	ng	#	6
57) 2,4-Dinitrotoluene	9.77	165	31366	6.686	ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.56	198	254	4.722	ng	#	1
71) Phenanthrene	11.28	178	526507	20.610	ng		98
73) Carbazole	11.48	167	57671	2.211	ng		97
75) Fluoranthene	12.46	202	780976	28.534	ng		98
78) Pyrene	12.69	202	663967	17.380	ng		99
81) Benzo(a)anthracene	13.87	228	236269	7.523	ng		96
83) Chrysene	13.91	228	330868	10.755	ng		97
86) Indeno(1,2,3-cd)pyrene	16.66	276	139234	5.309	ng	#	92
88) Benzo(b)fluoranthene	14.90	252	434400	20.118	ng		98
89) Benzo(k)fluoranthene	14.90	252	434400	22.211	ng		99
90) Benzo(a)pyrene	15.24	252	176756	9.255	ng		98
92) Benzo(g,h,i)perylene	17.07	276	143701	8.781	ng	#	93

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

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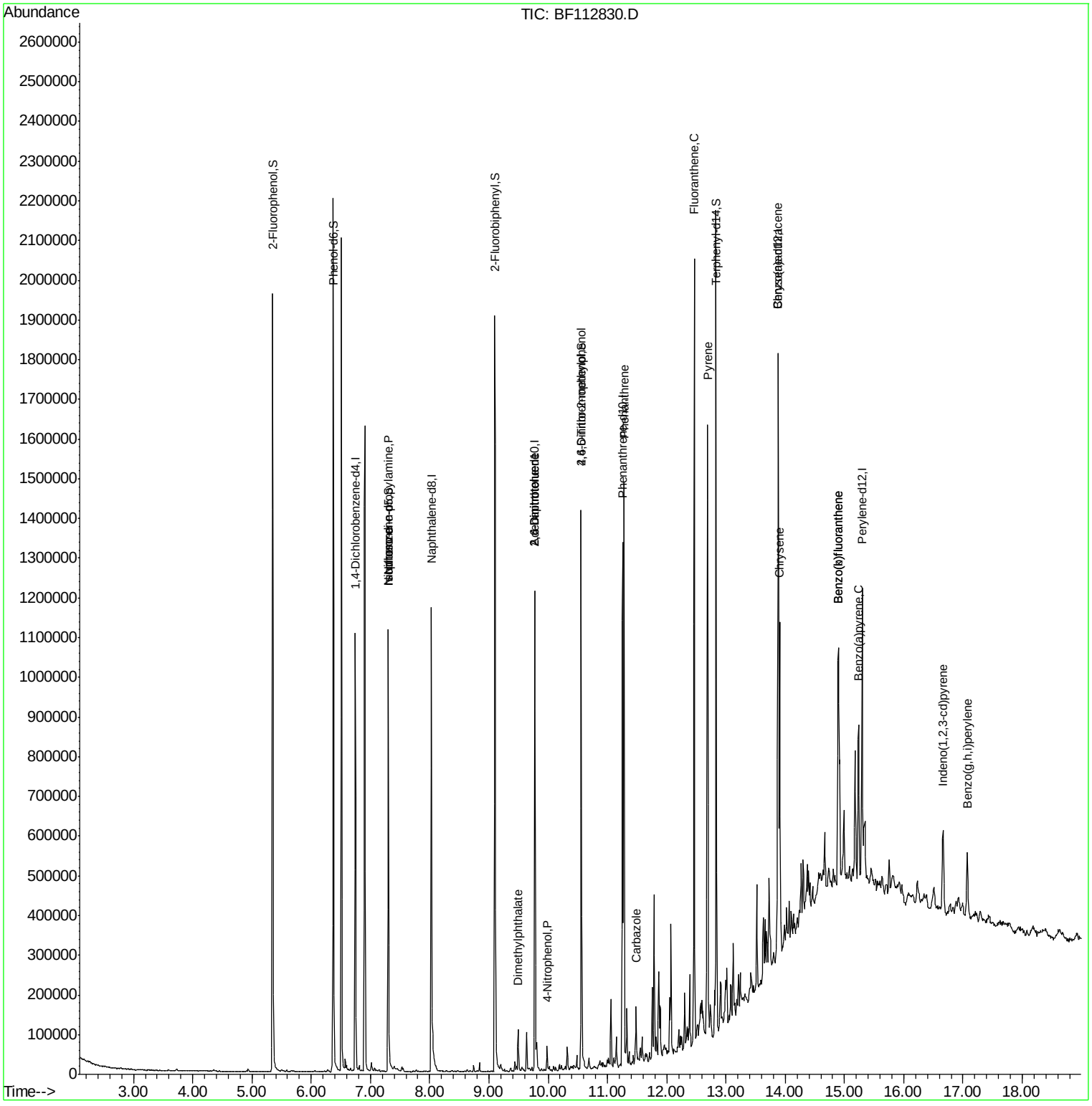
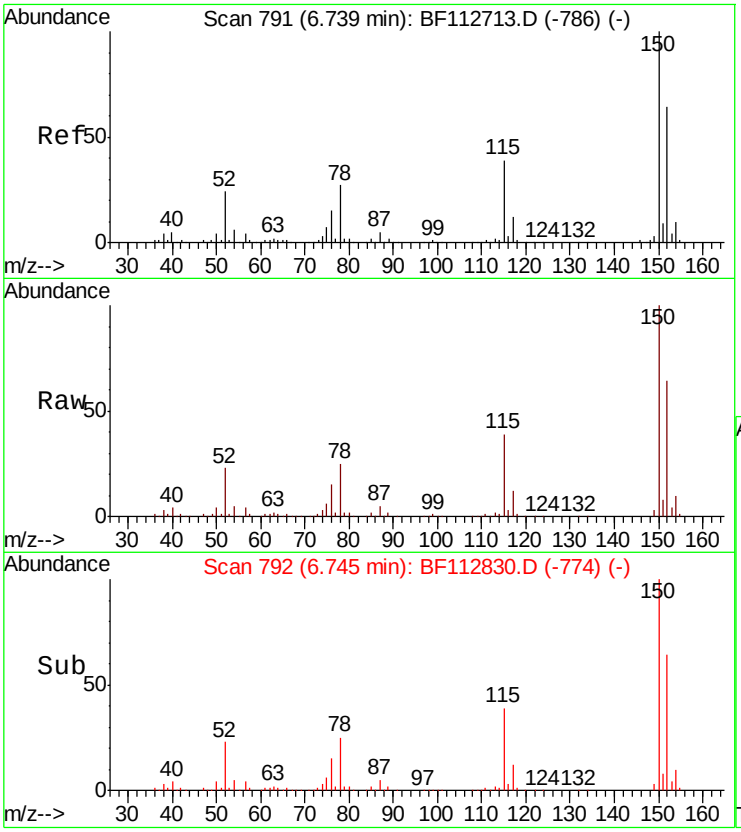


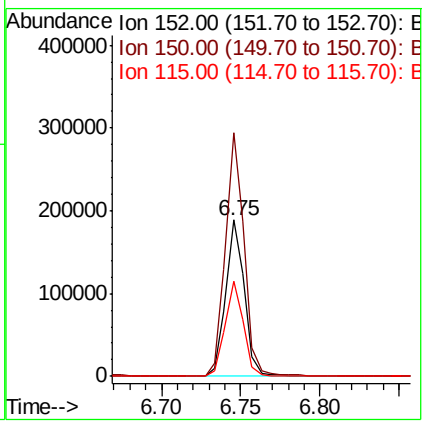


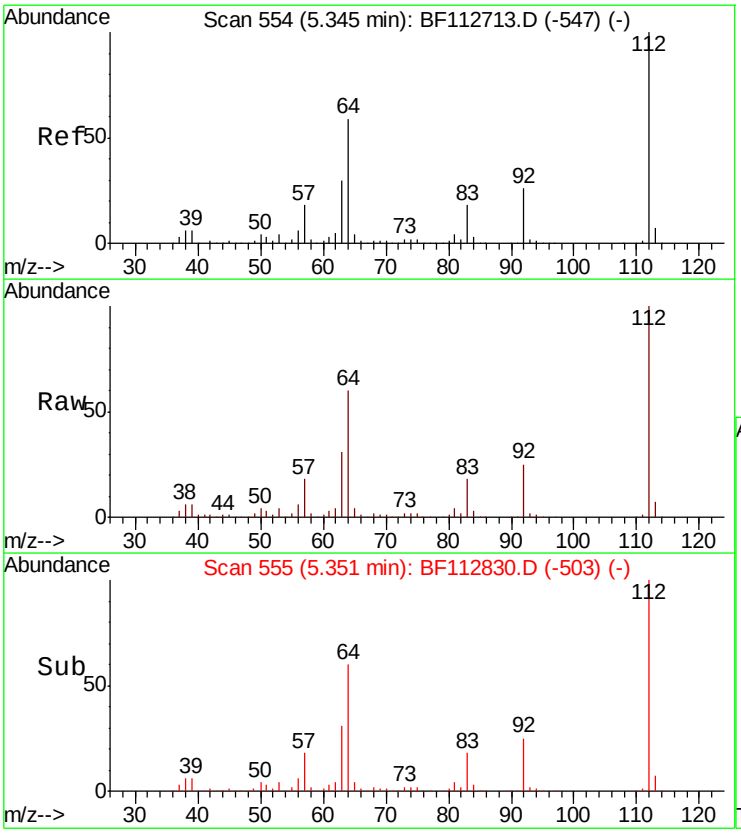
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:152 Resp: 154143

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.2	186.2
115	61.1	48.2	72.4

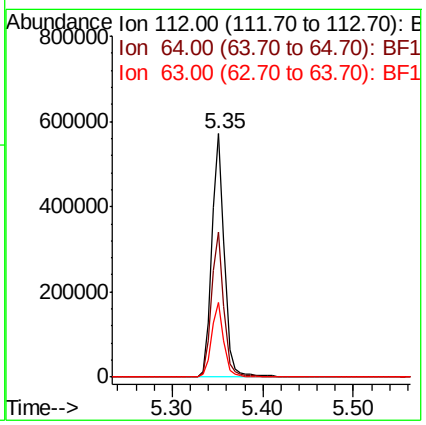


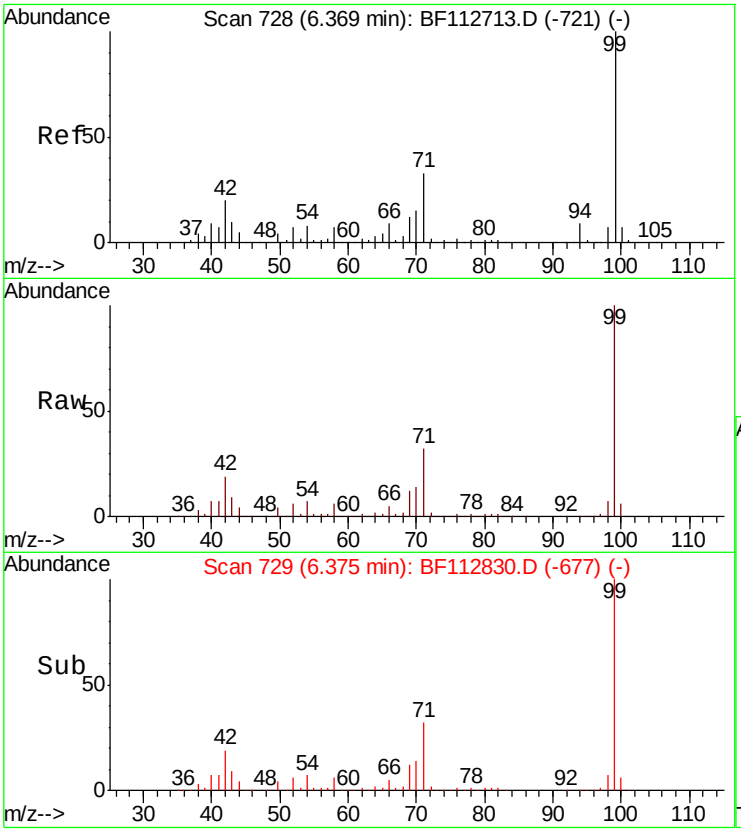


#5
2-Fluorophenol
Concen: 55.899 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:112 Resp: 553915

Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.6	71.4
63	30.5	24.4	36.6



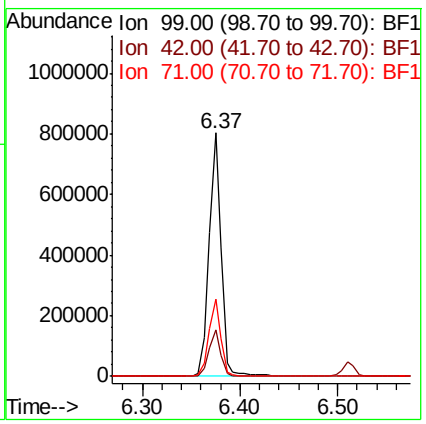


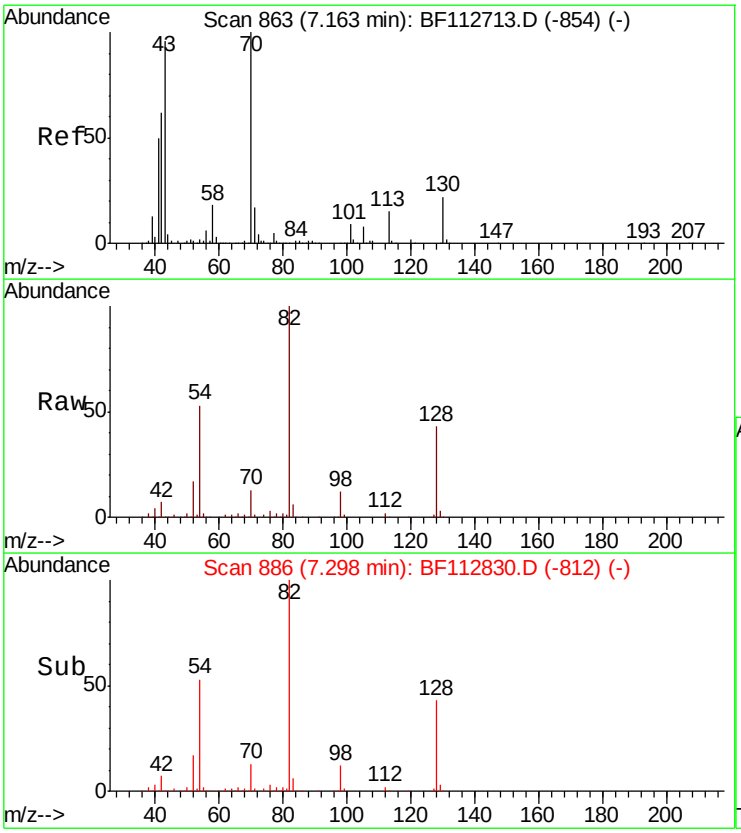
#7
Phenol-d6
Concen: 55.662 ng
RT: 6.37 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion: 99 Resp: 692858

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.3	24.5
71	31.8	26.2	39.4

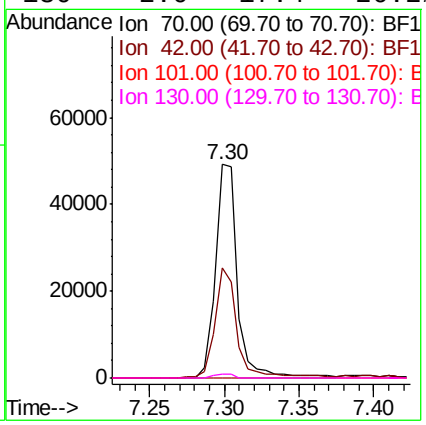


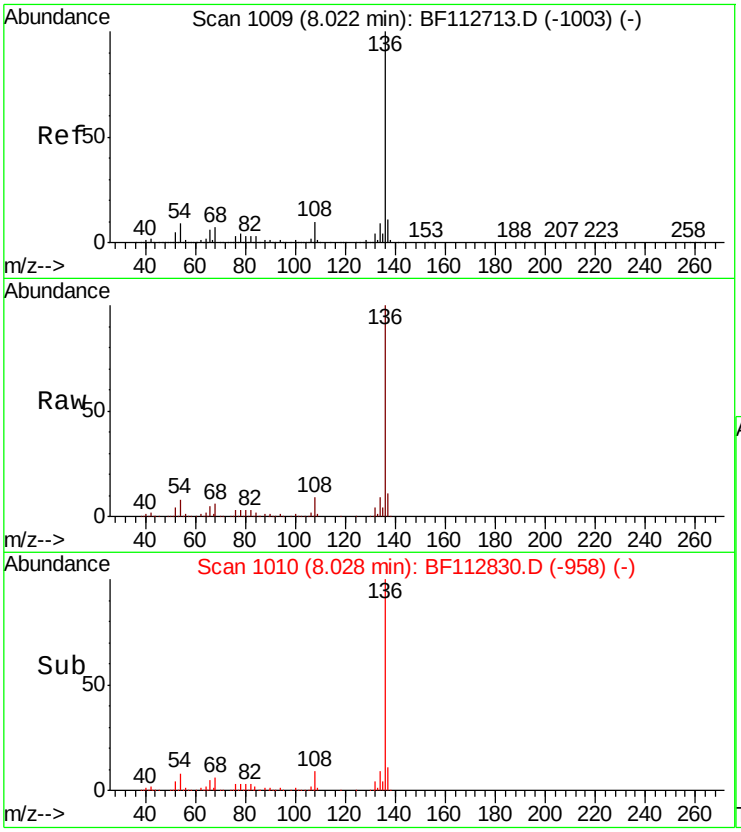


#19
n-Nitroso-di-n-propylamine
Concen: 6.487 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion: 70 Resp: 51138

Ion	Ratio	Lower	Upper
70	100		
42	51.3	49.9	74.9
101	0.0	7.4	11.2#
130	2.0	17.4	26.2#



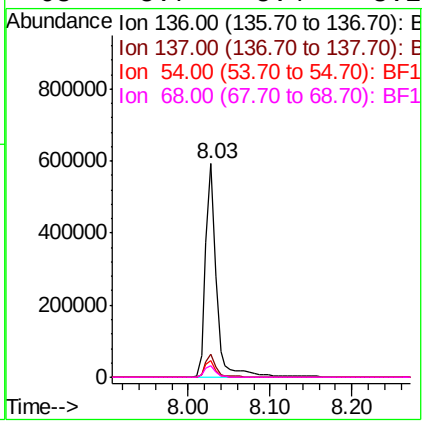


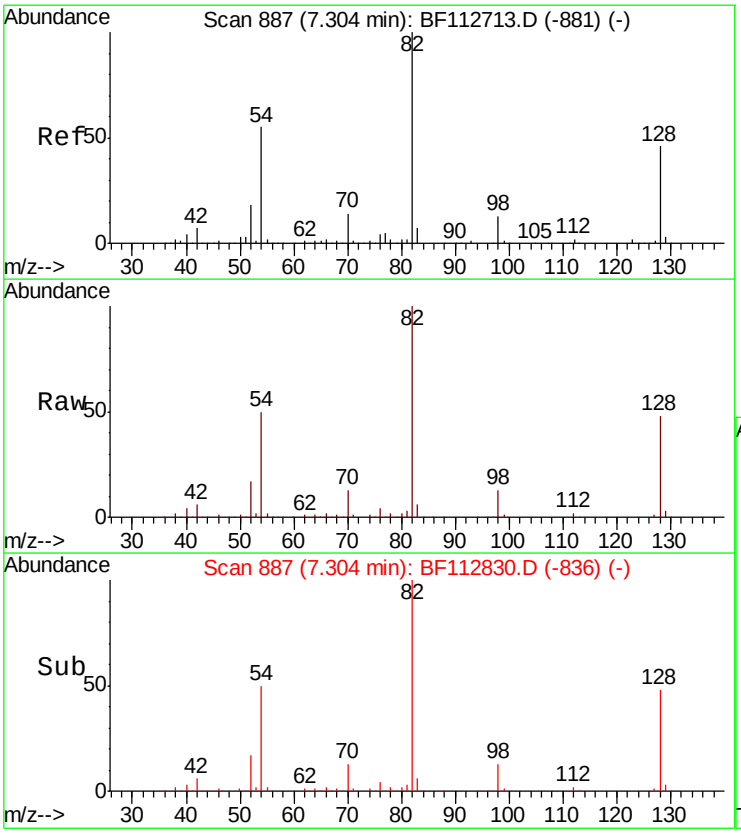
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:136 Resp: 554103

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.8	7.3	10.9
68	5.7	5.4	8.2

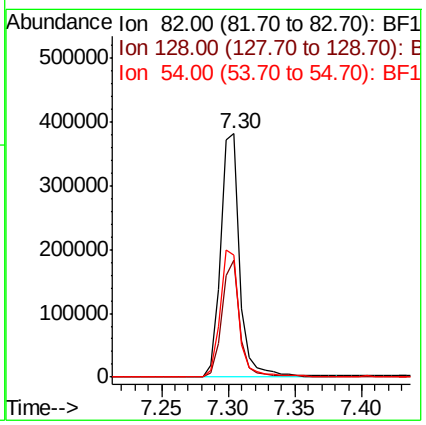


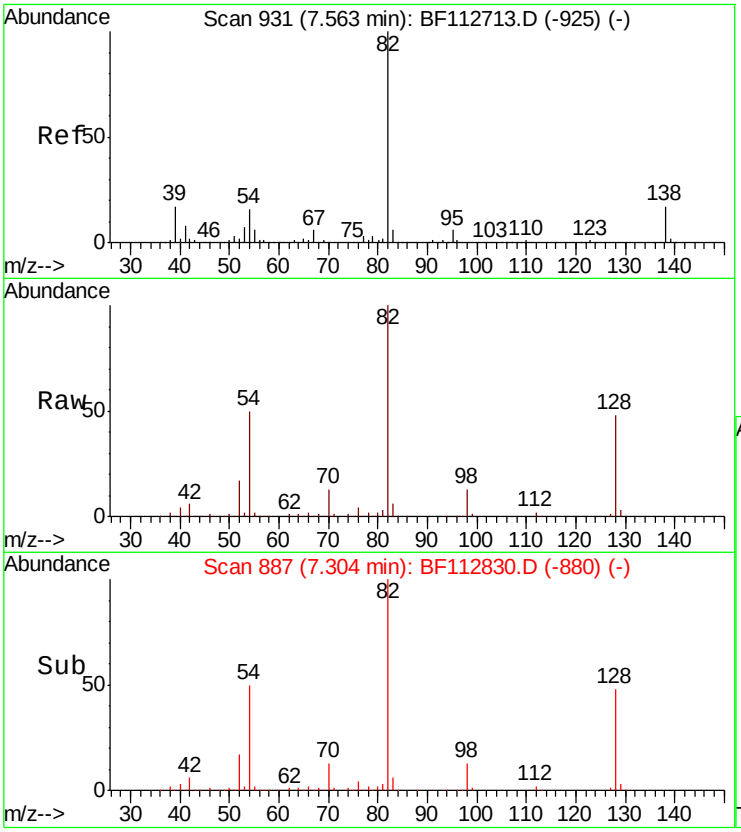


#23
Nitrobenzene-d5
Concen: 42.339 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion: 82 Resp: 392062

Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	50.0	43.7	65.5



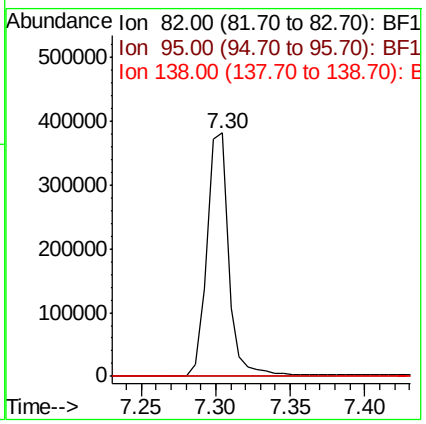


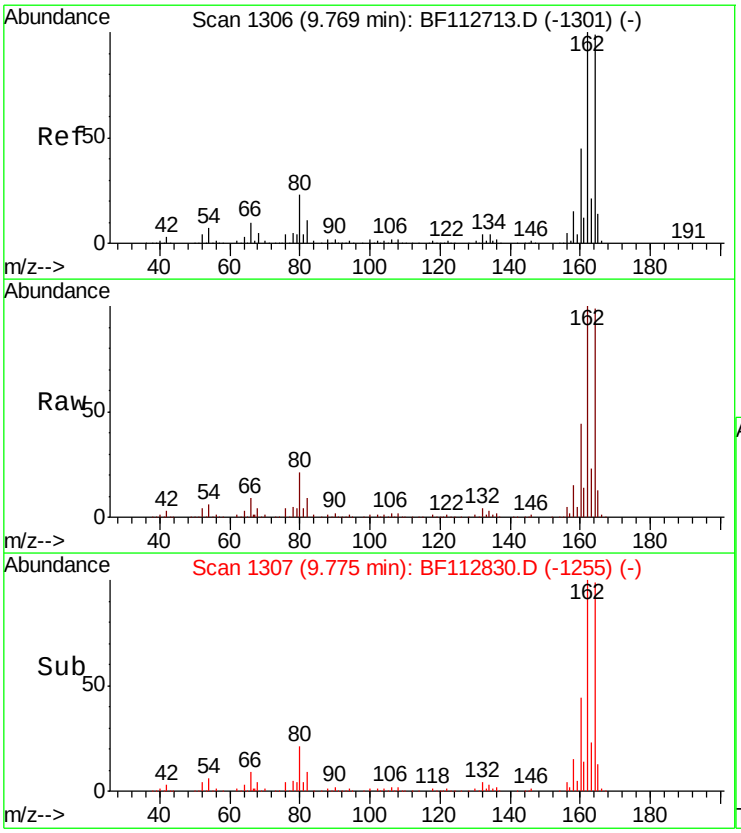
#25
Isophorone
Concen: 19.391 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion: 82 Resp: 386839

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#

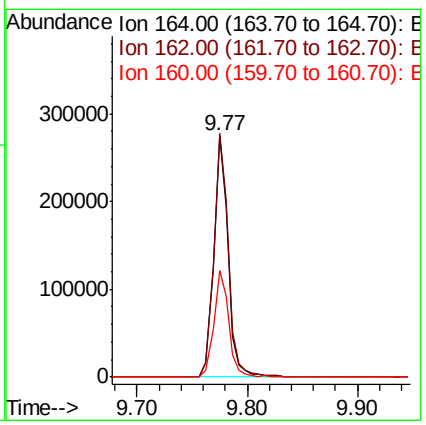


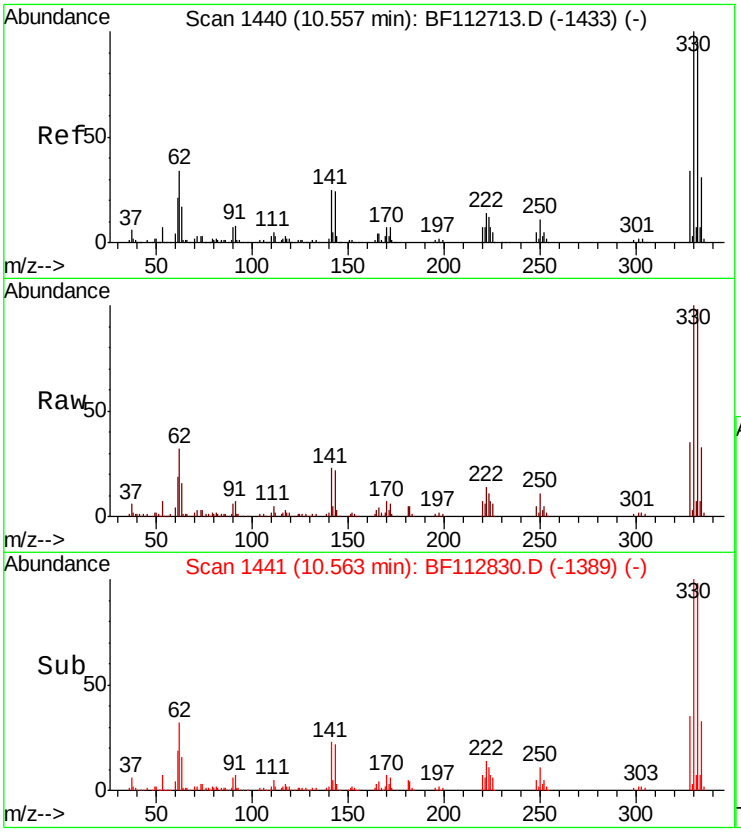


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:164 Resp: 245807

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.1	36.0	54.0



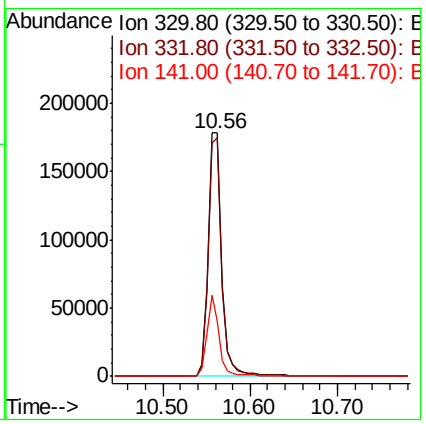


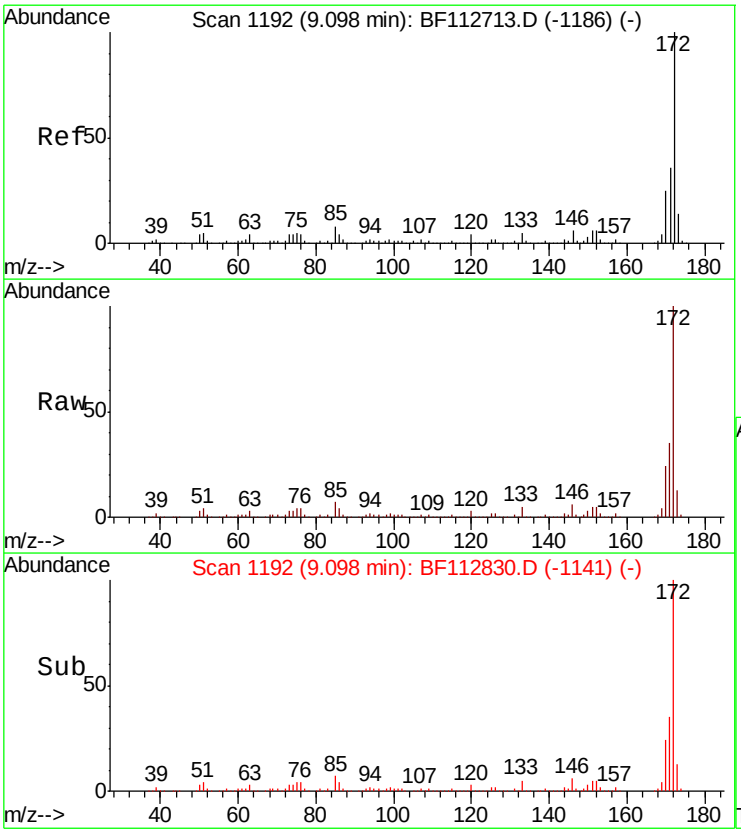
#42
2,4,6-Tribromophenol
Concen: 73.758 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:330 Resp: 192475

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.2	114.4
141	29.9	27.0	40.6

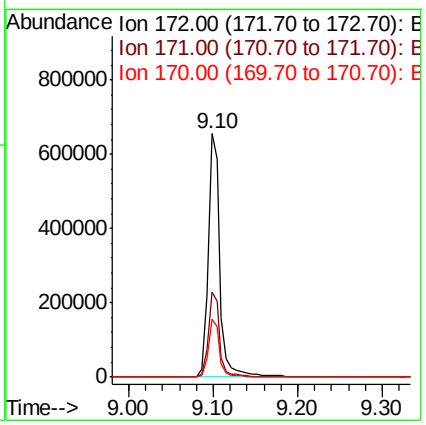


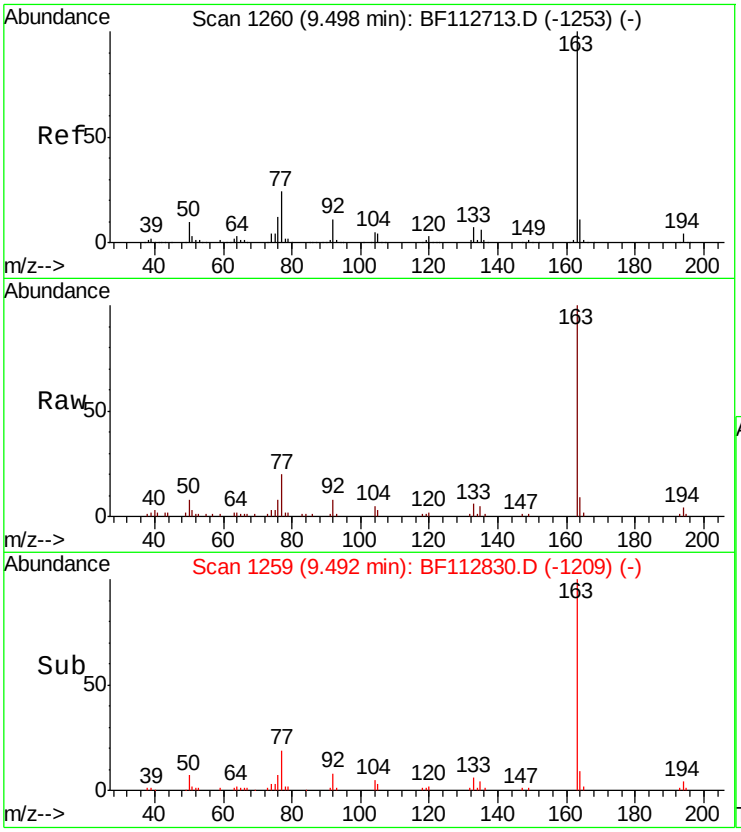


#45
2-Fluorobiphenyl
Concen: 36.982 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:172 Resp: 639727

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.4
170	23.6	20.0	30.0



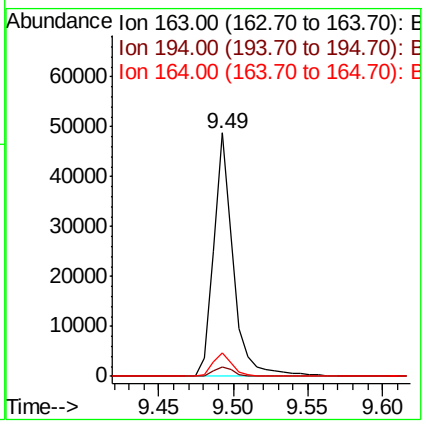


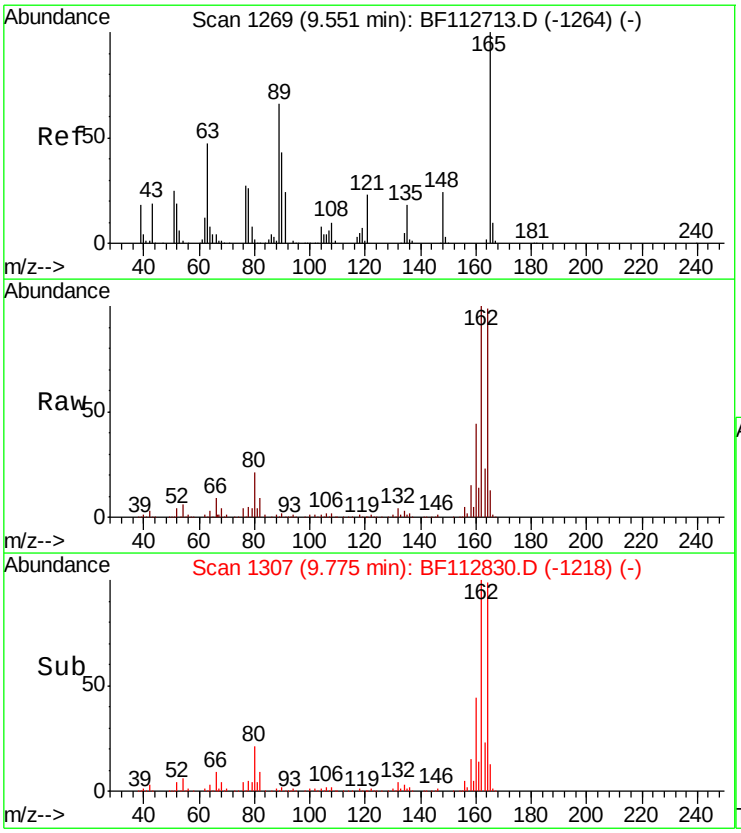
#50
Dimethylphthalate
Concen: 2.439 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:163 Resp: 44199

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.4	8.4	12.6

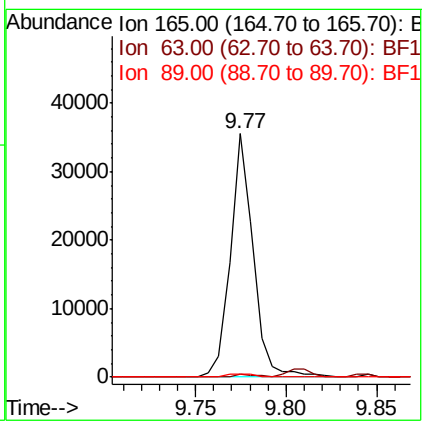


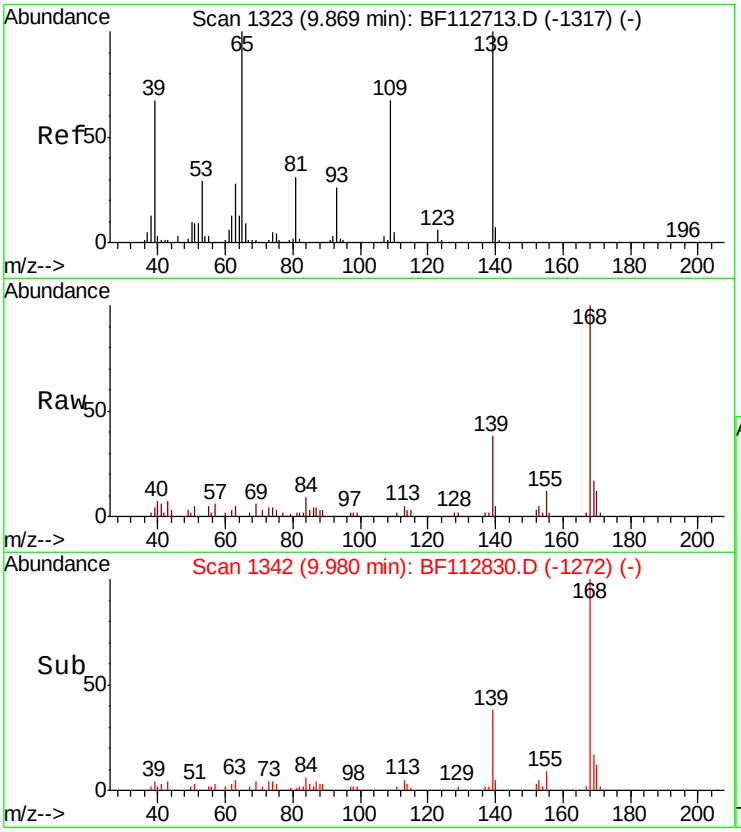


#51
2,6-Dinitrotoluene
Concen: 8.310 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:165 Resp: 31365

Ion	Ratio	Lower	Upper
165	100		
63	1.5	54.1	81.1#
89	1.3	52.8	79.2#



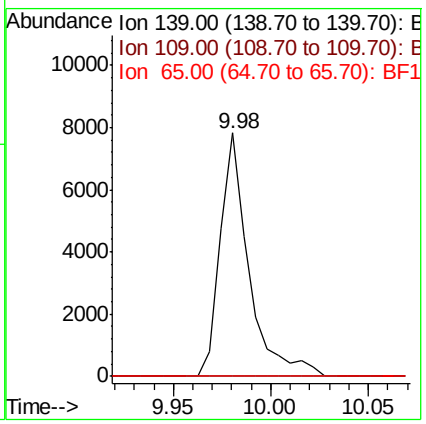


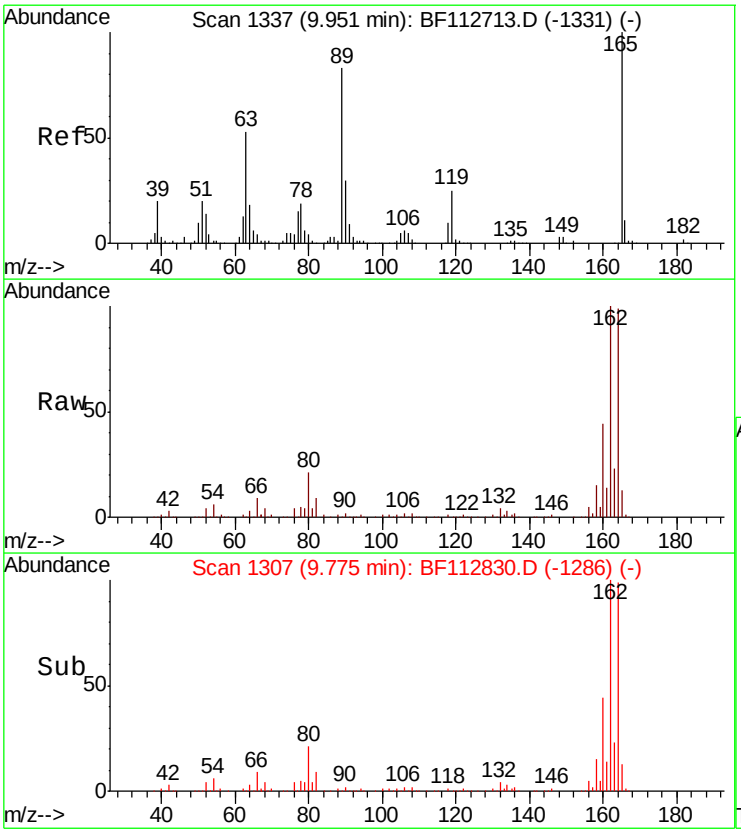
#56
4-Nitrophenol
Concen: 2.127 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.11 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:139 Resp: 7950

Ion	Ratio	Lower	Upper
139	100		
109	0.0	46.8	86.8#
65	0.0	80.7	120.7#

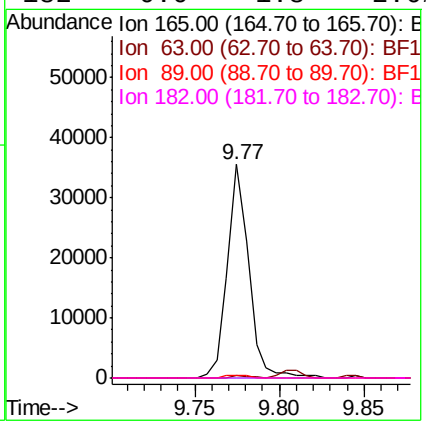


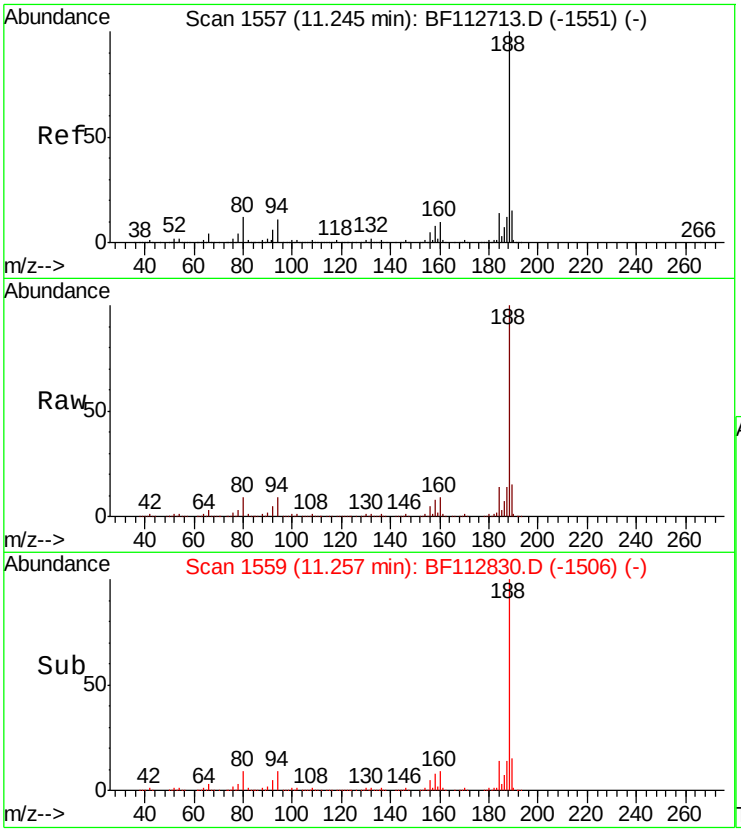


#57
2,4-Dinitrotoluene
Concen: 6.686 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.18 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:165 Resp: 31366

Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



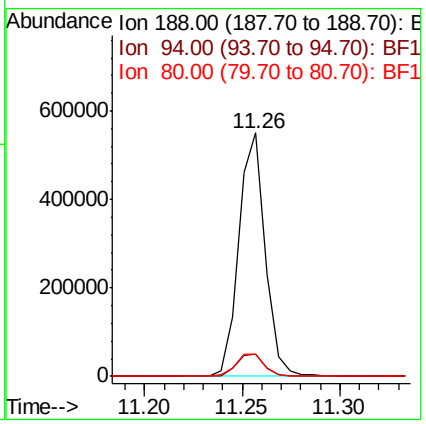


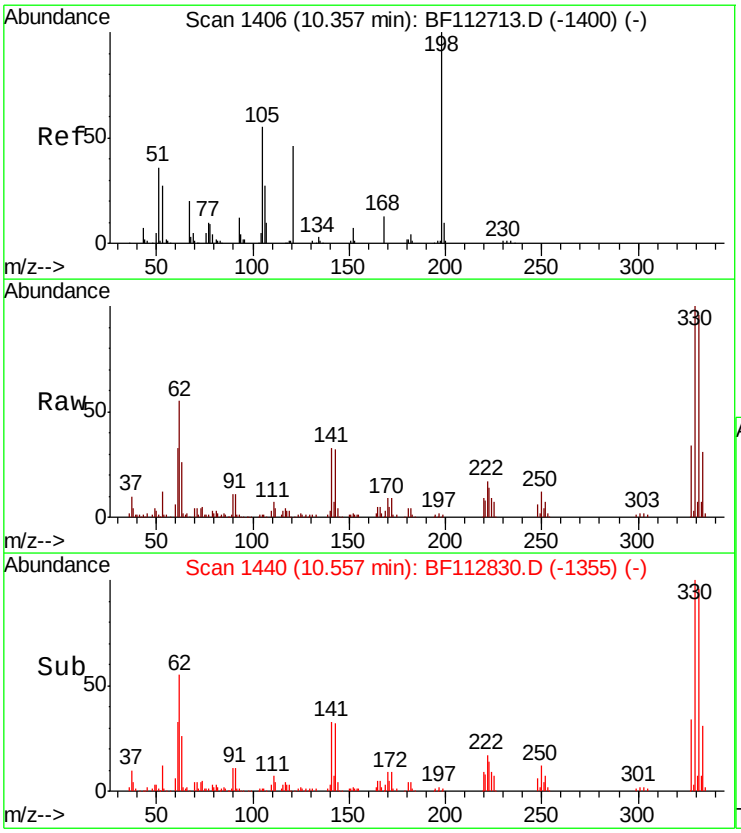
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:188 Resp: 513447

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.3	9.2	13.8

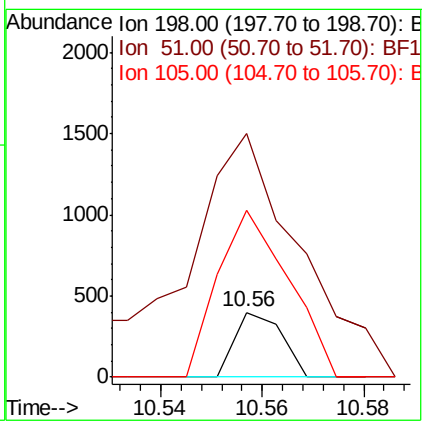


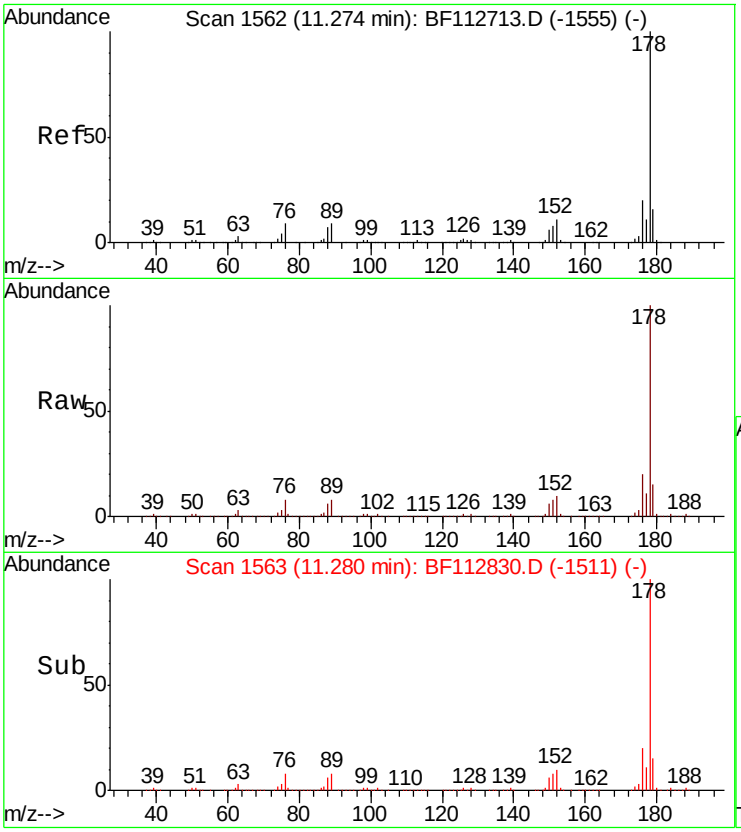


#65
4,6-Dinitro-2-methylphenol
Concen: 4.722 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.20 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:198 Resp: 254

Ion	Ratio	Lower	Upper
198	100		
51	376.9	43.8	83.8#
105	257.8	36.5	76.5#



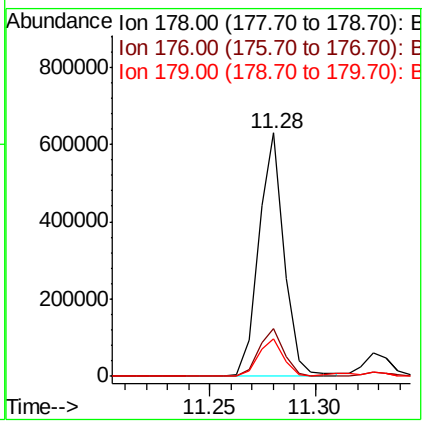


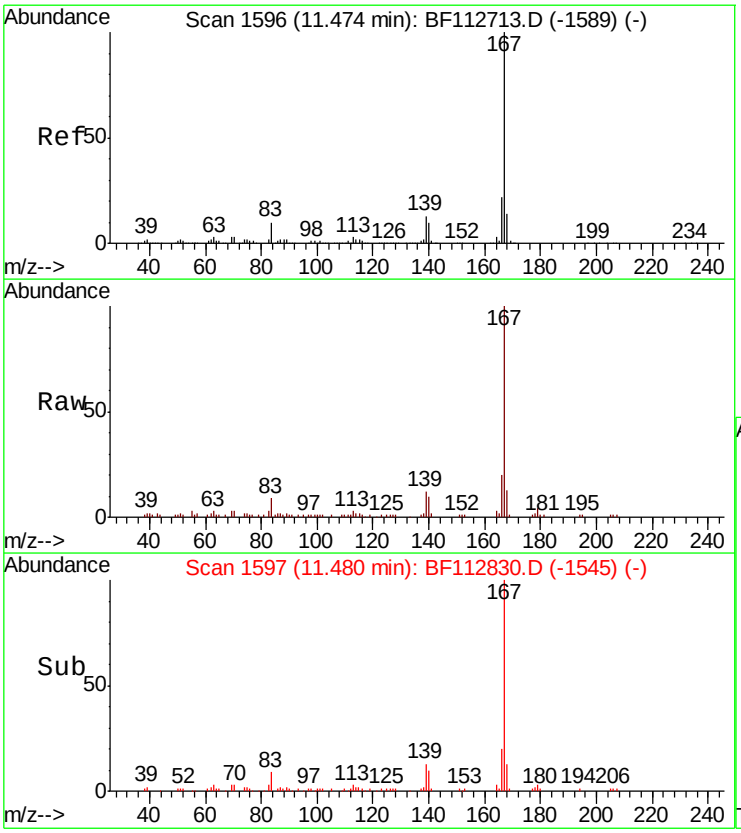
#71
Phenanthrene
Concen: 20.610 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:178 Resp: 526507

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.2	12.7	19.1

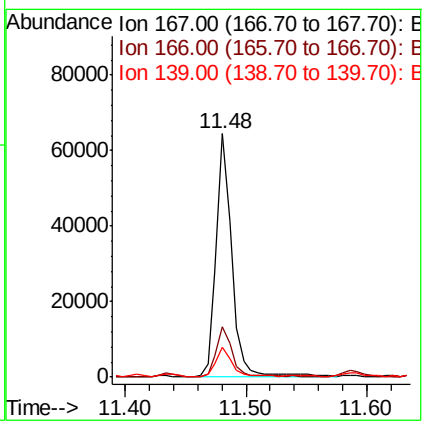


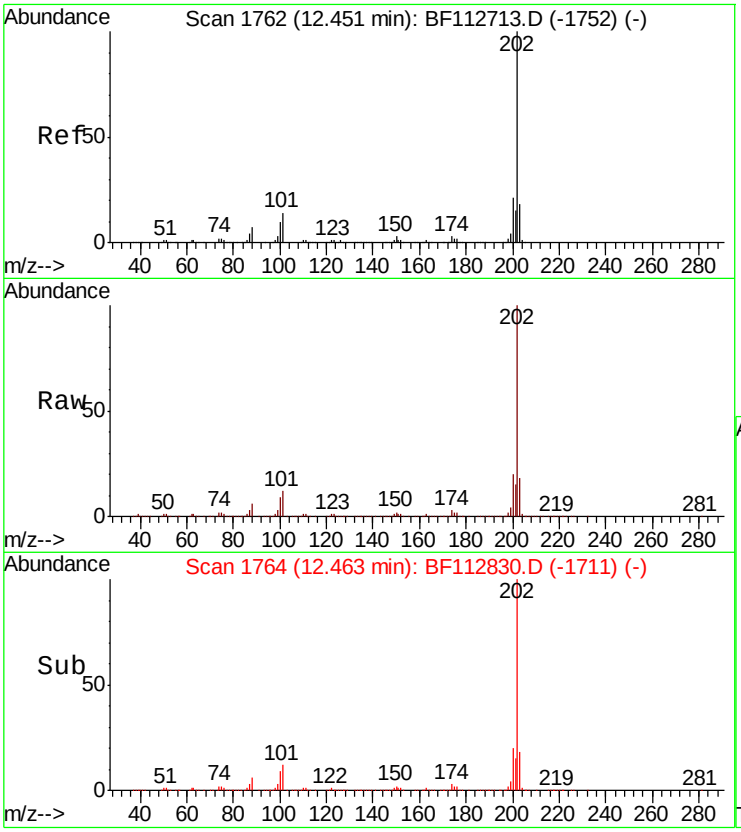


#73
Carbazole
Concen: 2.211 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:167 Resp: 57671

Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.5	26.3
139	12.5	10.8	16.2



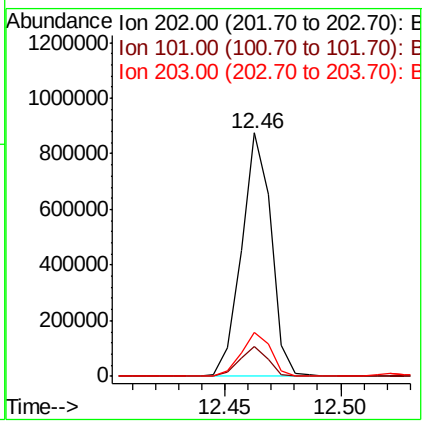


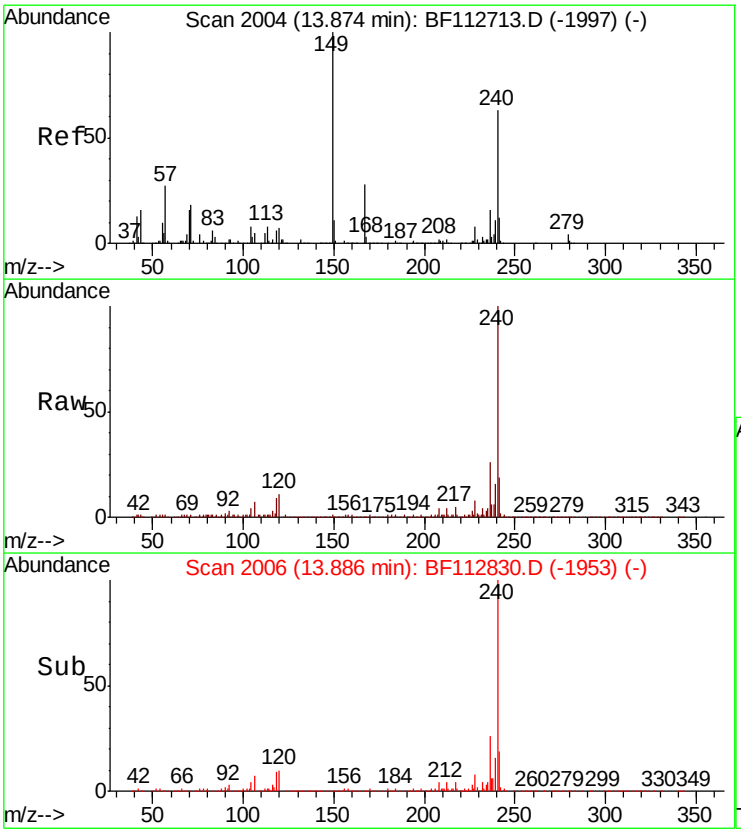
#75
Fluoranthene
Concen: 28.534 ng
RT: 12.46 min Scan# 1764
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:202 Resp: 780976

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.8
203	17.8	0.0	38.4

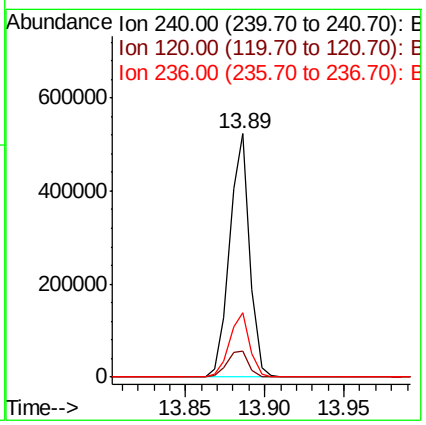


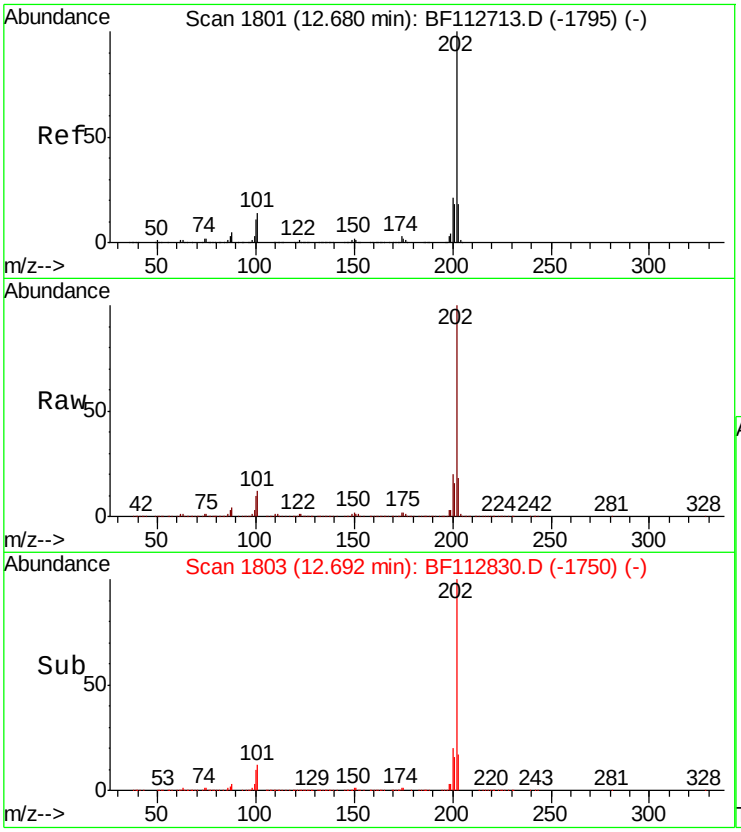


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:240 Resp: 453163

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.4	20.7	31.1



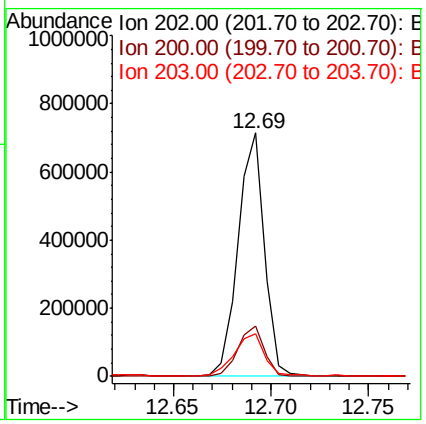


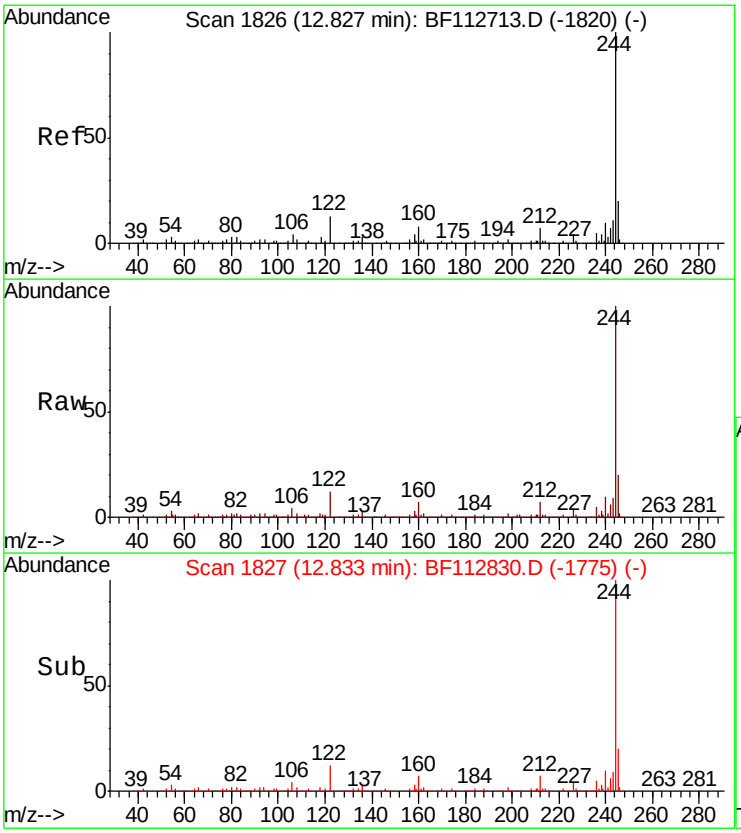
#78
Pyrene
Concen: 17.380 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:202 Resp: 663967

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.6	14.4	21.6

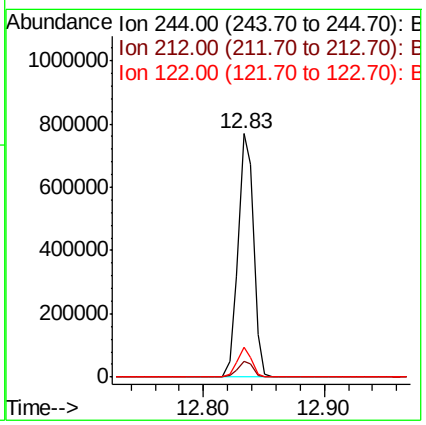


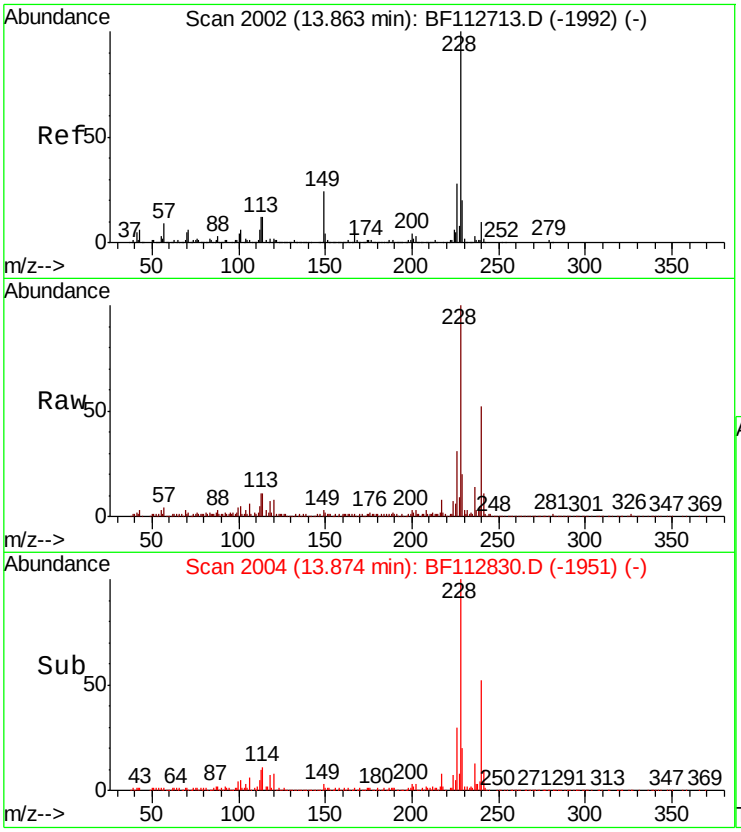


#79
Terphenyl-d14
Concen: 29.659 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:244 Resp: 693344

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	12.0	10.5	15.7



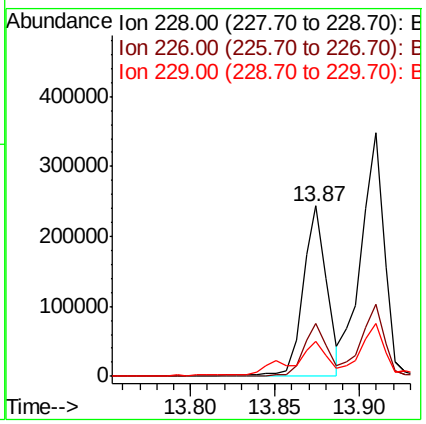


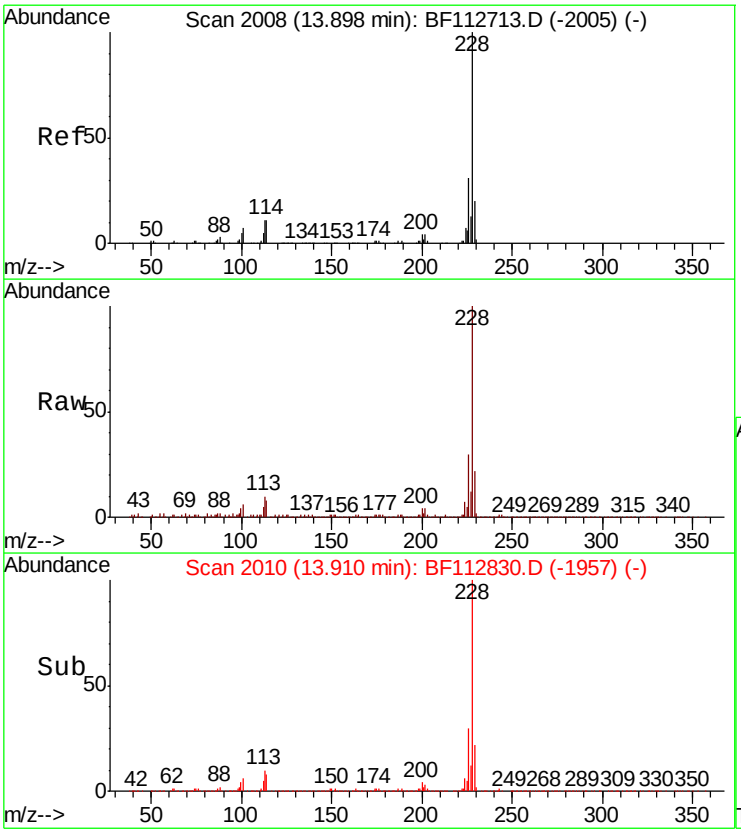
#81
Benzo(a)anthracene
Concen: 7.523 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:228 Resp: 236269

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.4
229	20.3	16.0	24.0

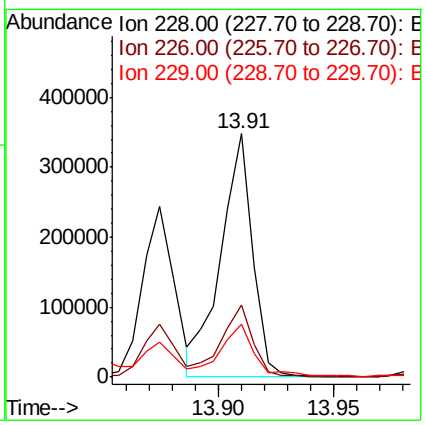


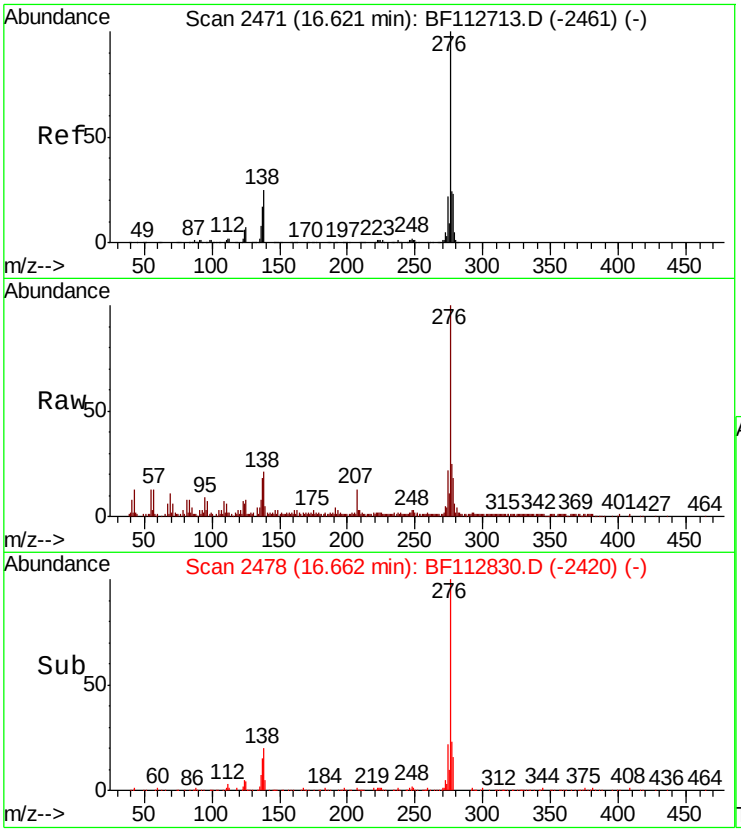


#83
Chrysene
Concen: 10.755 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:228 Resp: 330868

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	21.9	16.3	24.5



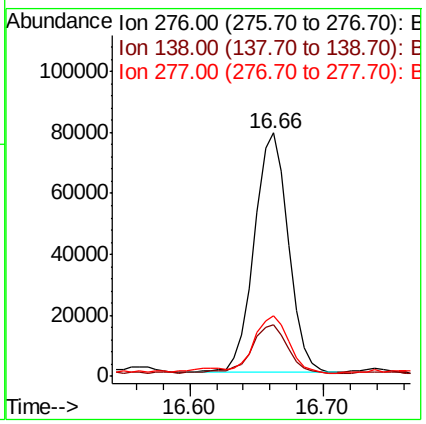


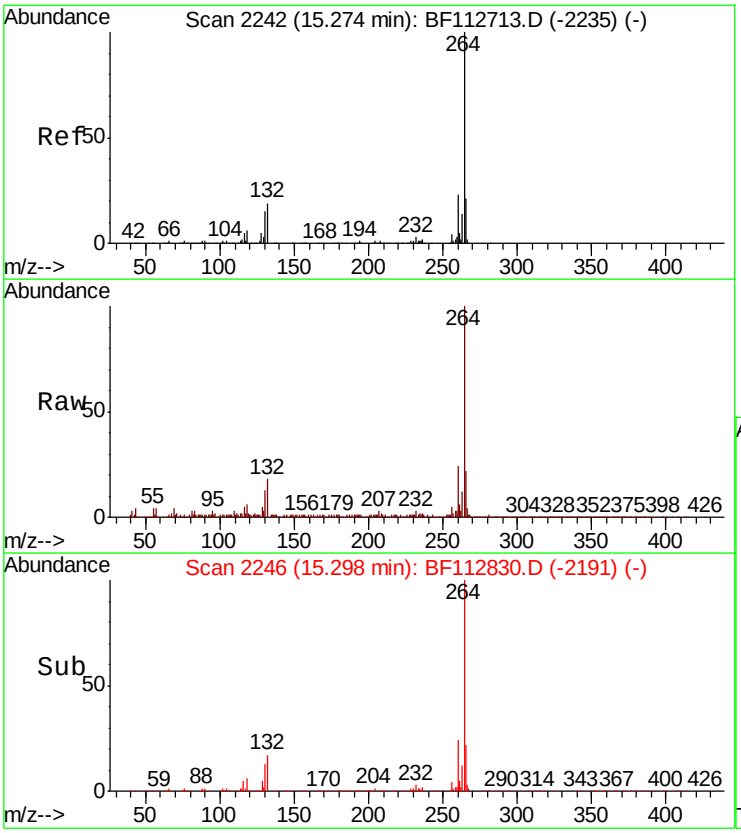
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.309 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.04 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:276 Resp: 139234

Ion	Ratio	Lower	Upper
276	100		
138	21.1	23.2	34.8#
277	24.7	19.9	29.9

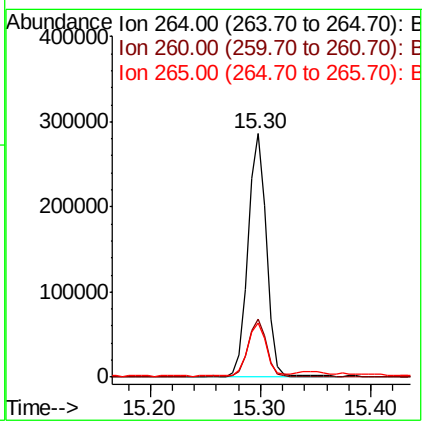


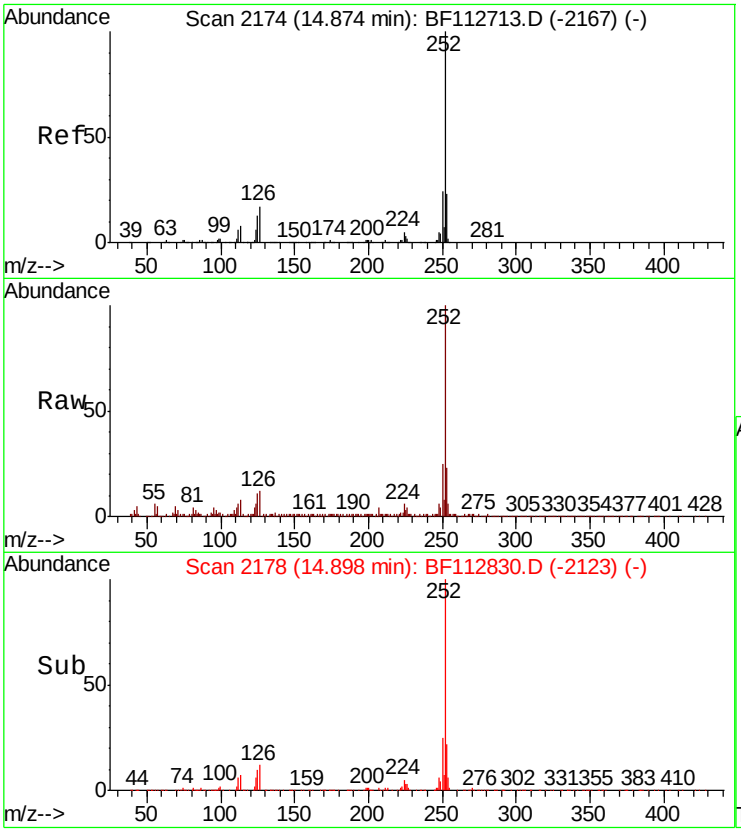


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:264 Resp: 333815

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.5	17.2	25.8



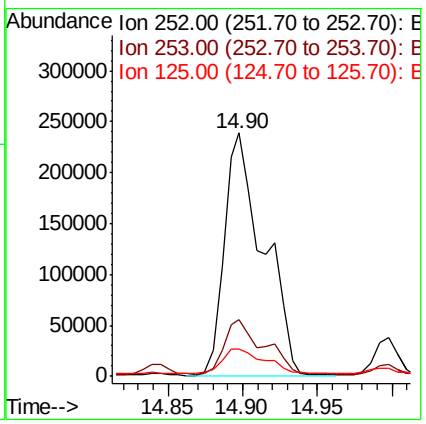


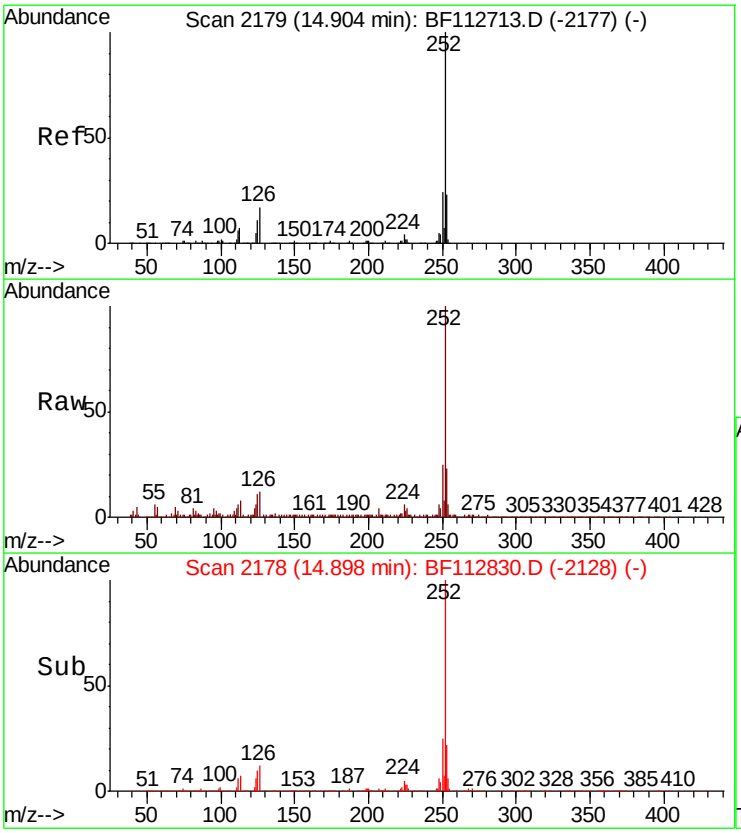
#88
Benzo(b)fluoranthene
Concen: 20.118 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tgt Ion:252 Resp: 434400

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	10.2	15.2

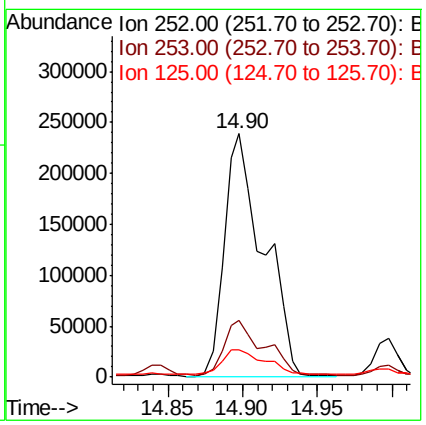


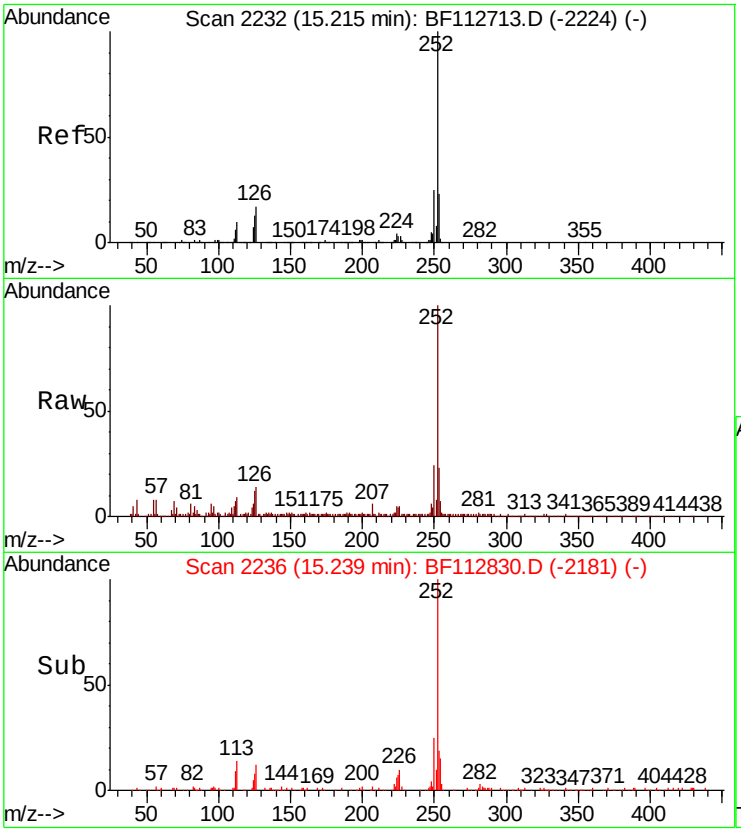


#89
Benzo(k)fluoranthene
Concen: 22.211 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:252 Resp: 434400

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.2	9.8	14.6



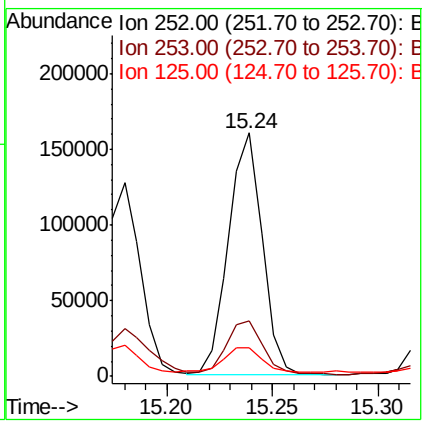


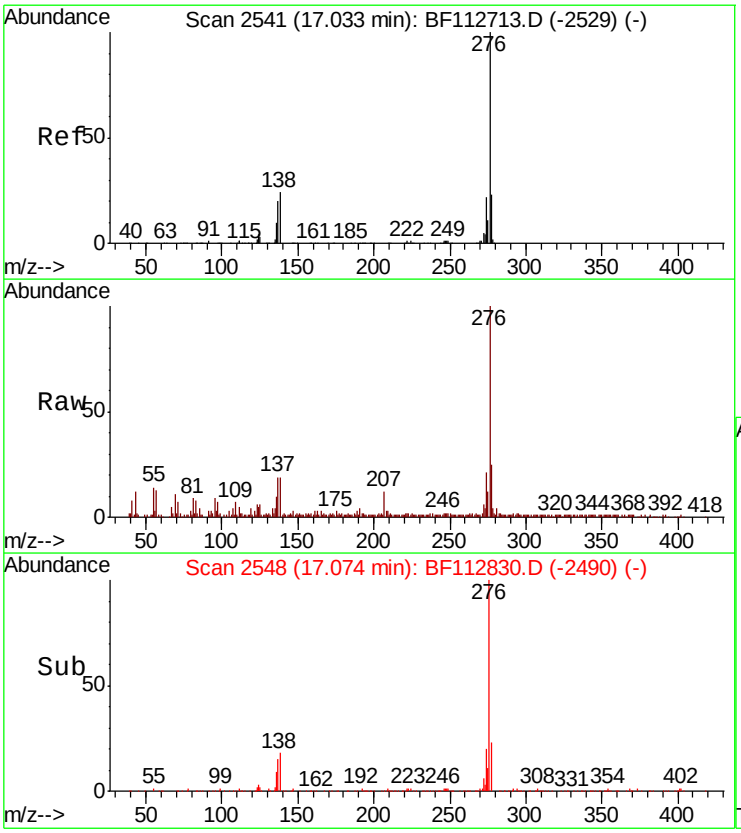
#90
Benzo(a)pyrene
Concen: 9.255 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

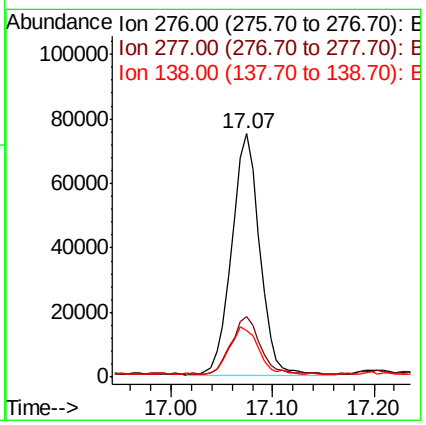
Tgt Ion:252 Resp: 176756

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.0	10.7	16.1





#92
Benzo(g,h,i)perylene
Concen: 8.781 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:276 Resp: 143701

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	19.0	19.4	29.0#