Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
Data File : BF111018.D
Acq On : 27 Nov 2018 19:09
Operator : JU/SJ
Sample : J6051-02 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-02

Quant Time: Nov 28 00:59:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 15:32:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	46242	20.00	ng		0.00
21) Naphthalene-d8	8.22	136	181513	20.00	ng		0.00
39) Acenaphthene-d10	9.98	164	75192	20.00	ng		0.00
64) Phenanthrene-d10	11.48	188	141250	20.00	ng		0.00
76) Chrysene-d12	14.13	240	108212	20.00	ng		0.00
87) Perylene-d12	15.67	264	73693	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	25446	9.13	ng		0.03
7) Phenol-d6	6.59	99	34301	9.44	ng		0.02
23) Nitrobenzene-d5	7.53	82	18056	5.69	ng		0.02
42) 2,4,6-Tribromophenol	10.79	330	6263	8.39	ng		0.00
45) 2-Fluorobiphenyl	9.30	172	34948	6.73	ng		0.00
79) Terphenyl-d14	13.06	244	31365	5.64	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.63	77	134	Below Cal		#	1
25) Isophorone	7.53	82	18056	3.471	ng	#	67
49) Acenaphthylene	9.85	152	29357	4.107	ng		97
51) 2,6-Dinitrotoluene	9.98	165	9379	7.640	ng	#	21
56) 4-Nitrophenol	10.20	139	1371	5.870	ng	#	6
57) 2,4-Dinitrotoluene	9.98	165	9379	5.888	ng	#	17
71) Phenanthrene	11.50	178	102157	13.656	ng		97
72) Anthracene	11.56	178	38361	5.035	ng		98
75) Fluoranthene	12.70	202	175304	22.800	ng		99
78) Pyrene	12.93	202	160698	20.332	ng		97
81) Benzo(a)anthracene	14.13	228	77504	12.131	ng		97
83) Chrysene	14.16	228	60390	9.602	ng		98
86) Indeno(1,2,3-cd)pyrene	17.28	276	27499	6.091	ng		99
88) Benzo(b)fluoranthene	15.22	252	80194	18.524	ng	#	96
89) Benzo(k)fluoranthene	15.22	252	80194	17.997	ng	#	96
90) Benzo(a)pyrene	15.61	252	45450	11.279	ng	#	96
91) Dibenzo(a,h)anthracene	17.27	278	8329	2.505	ng	#	79
92) Benzo(g,h,i)perylene	17.77	276	24348	7.595	ng	#	93

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
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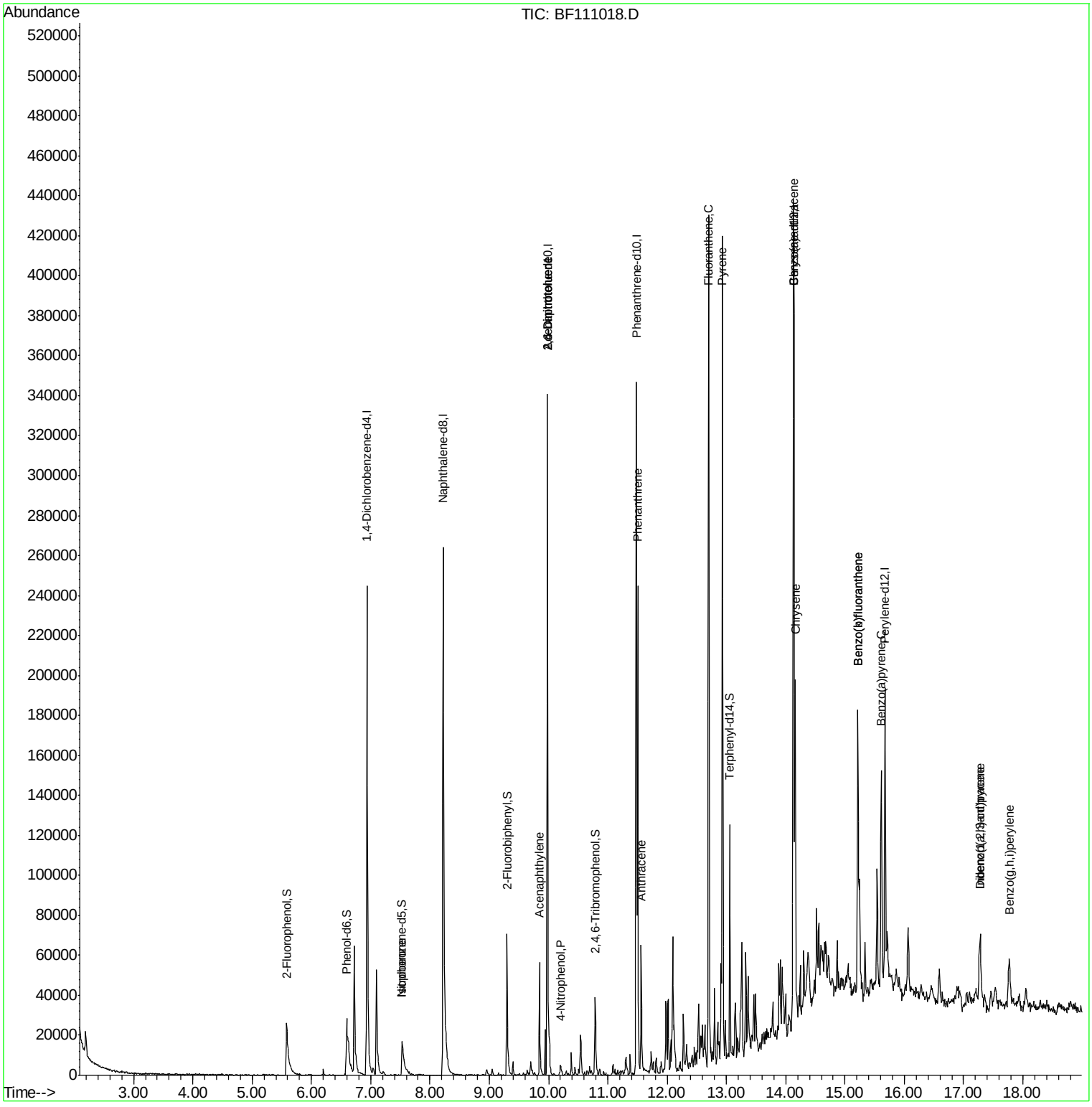
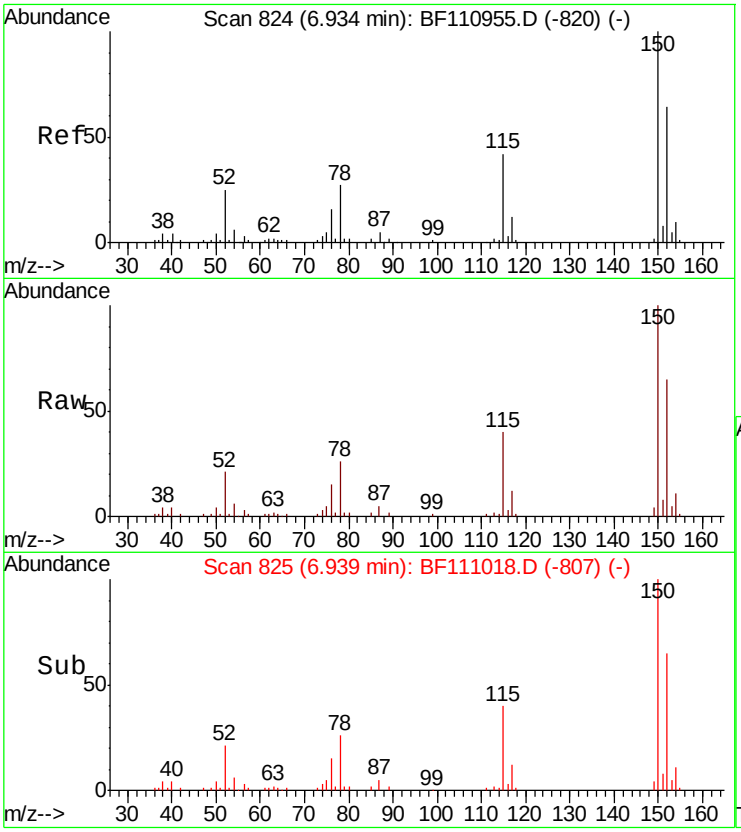
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 15:32:10 2018
Response via : Initial Calibration



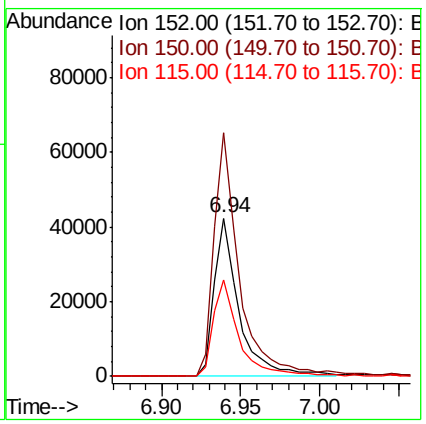


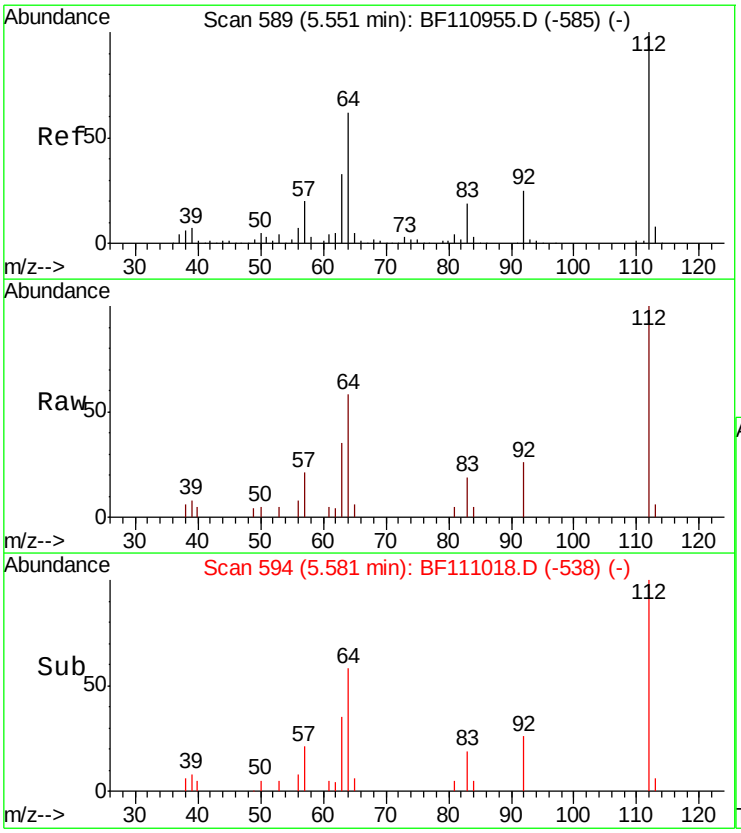
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:152 Resp: 46242

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.7	184.1
115	61.0	49.1	73.7

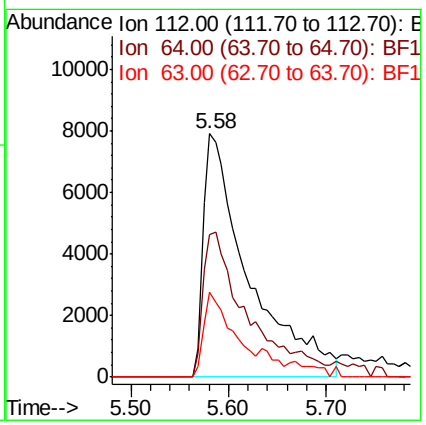


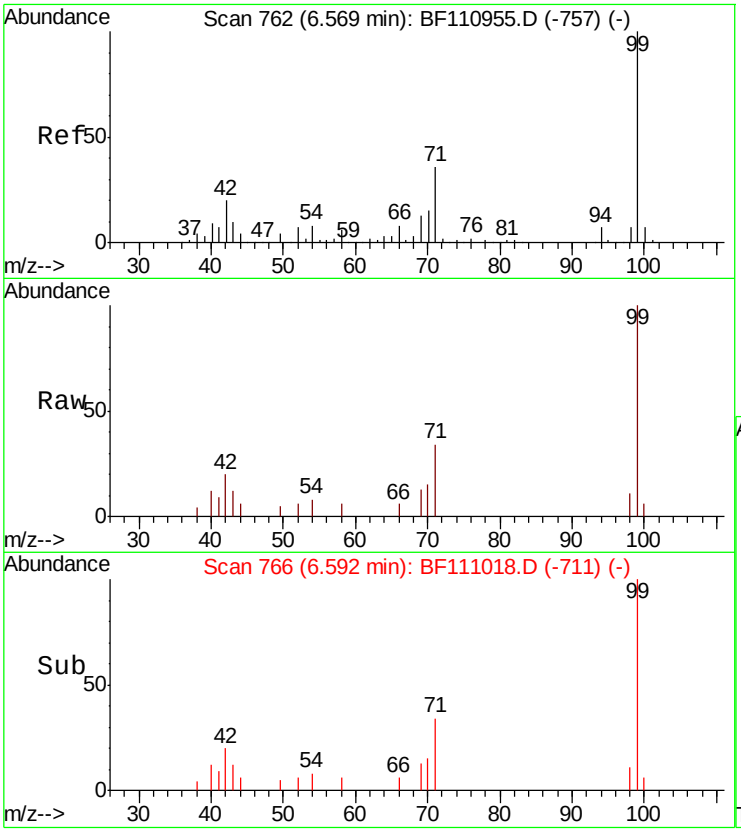


#5
2-Fluorophenol
Concen: 9.125 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.03 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:112 Resp: 25446

Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	34.6	23.7	35.5



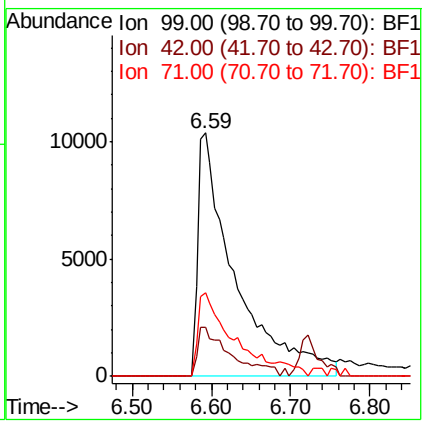


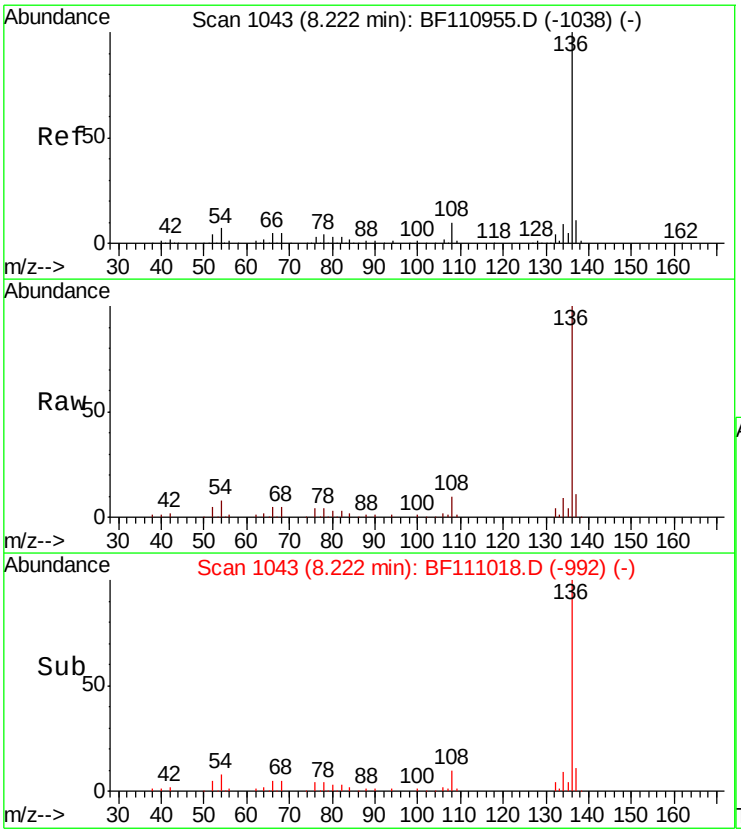
#7
Phenol-d6
Concen: 9.439 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion: 99 Resp: 34301

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	34.2	28.0	42.0

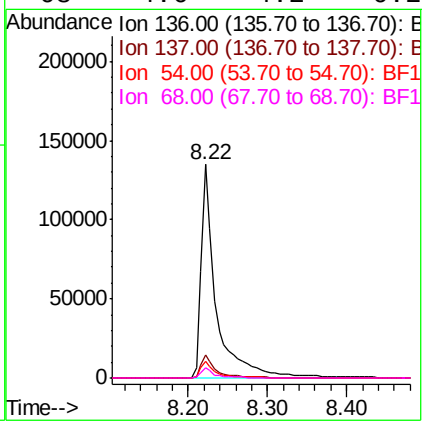


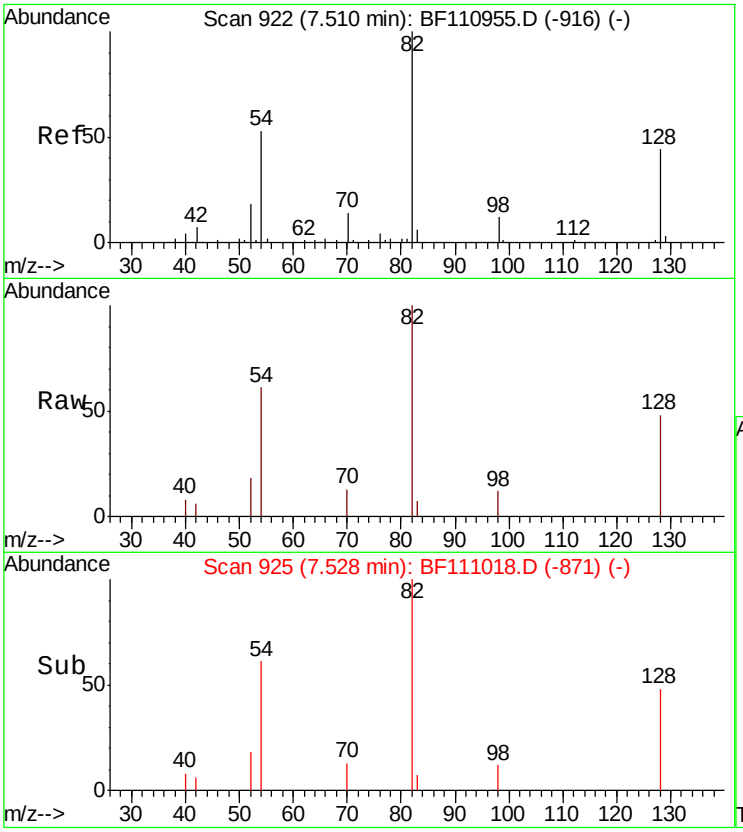


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:136 Resp: 181513

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.8	5.4	8.2
68	4.6	4.2	6.2



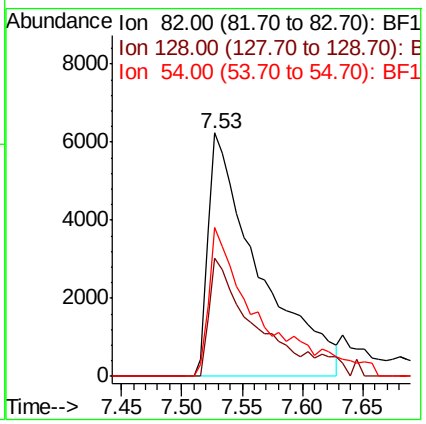


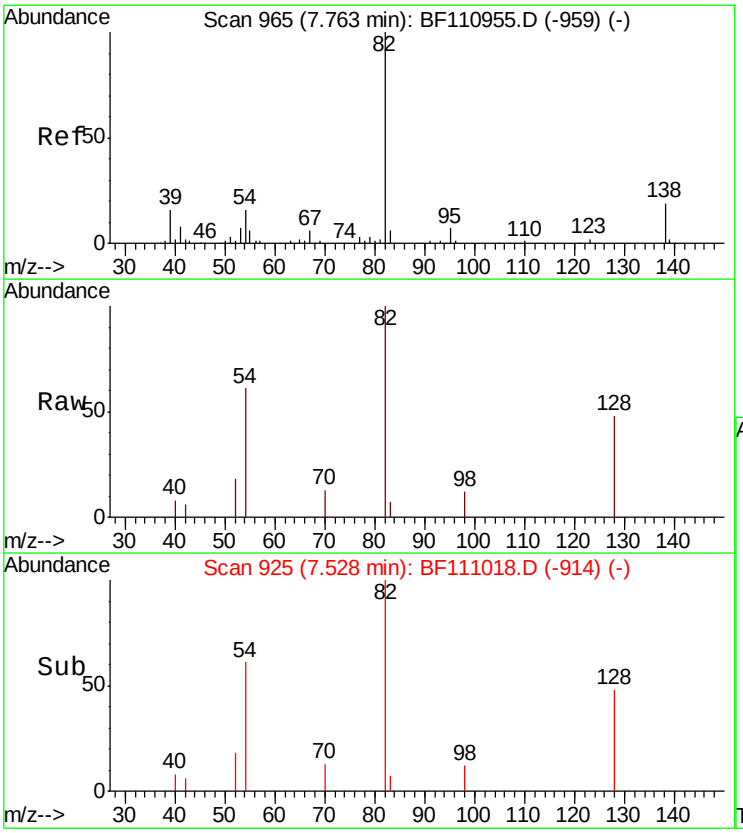
#23
Nitrobenzene-d5
Concen: 5.693 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion: 82 Resp: 18056

Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.2	51.2
54	61.1	38.6	58.0#

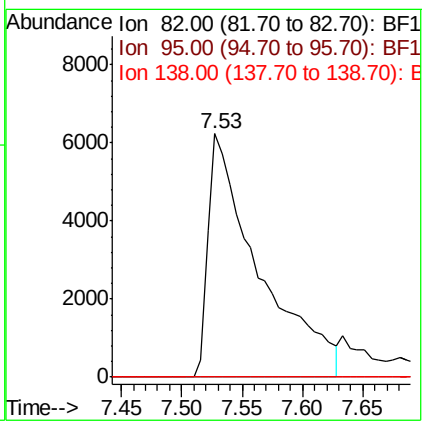


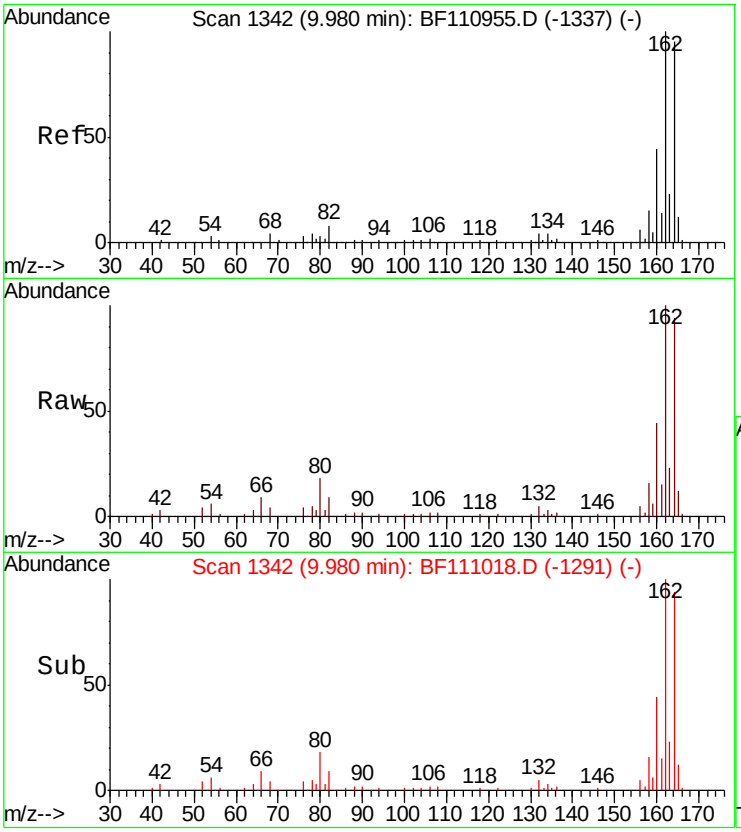


#25
Isophorone
Concen: 3.471 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.24 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion: 82 Resp: 18056

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



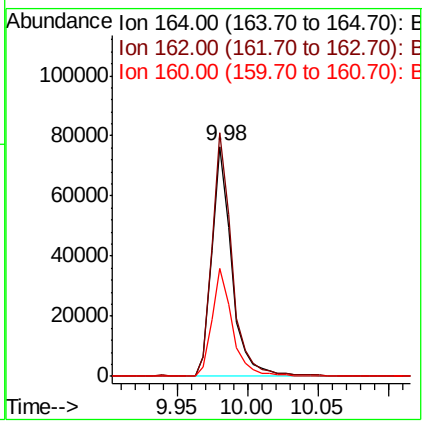


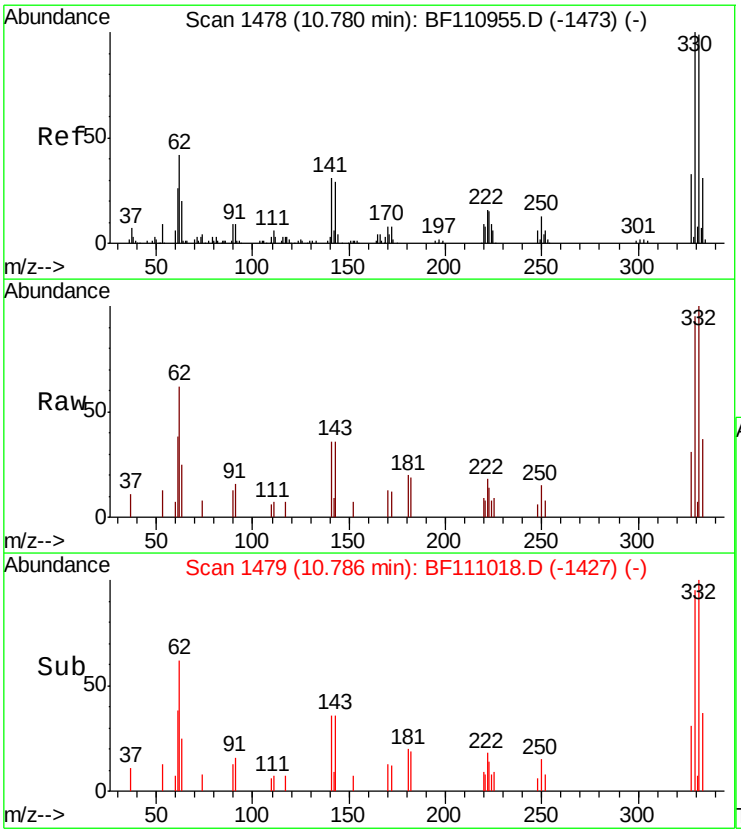
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:164 Resp: 75192

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.0	124.6
160	46.8	37.0	55.6

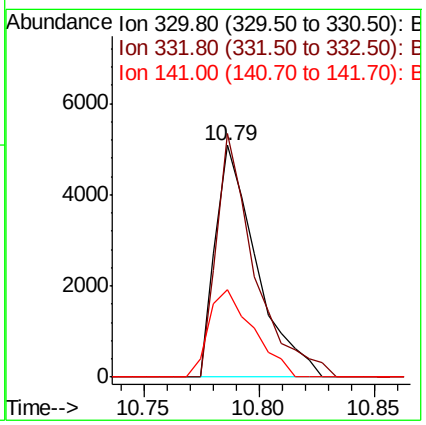


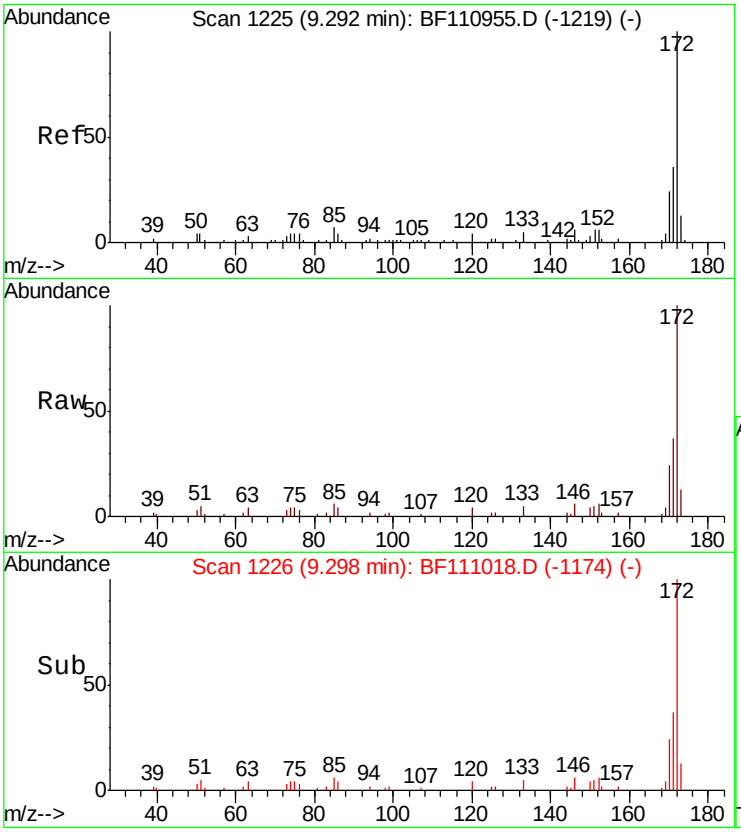


#42
2,4,6-Tribromophenol
Concen: 8.387 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:330 Resp: 6263

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	41.2	27.0	40.4#



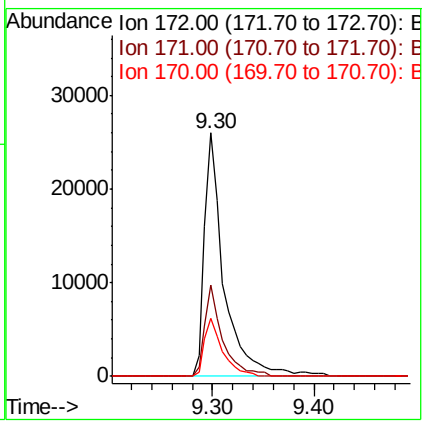


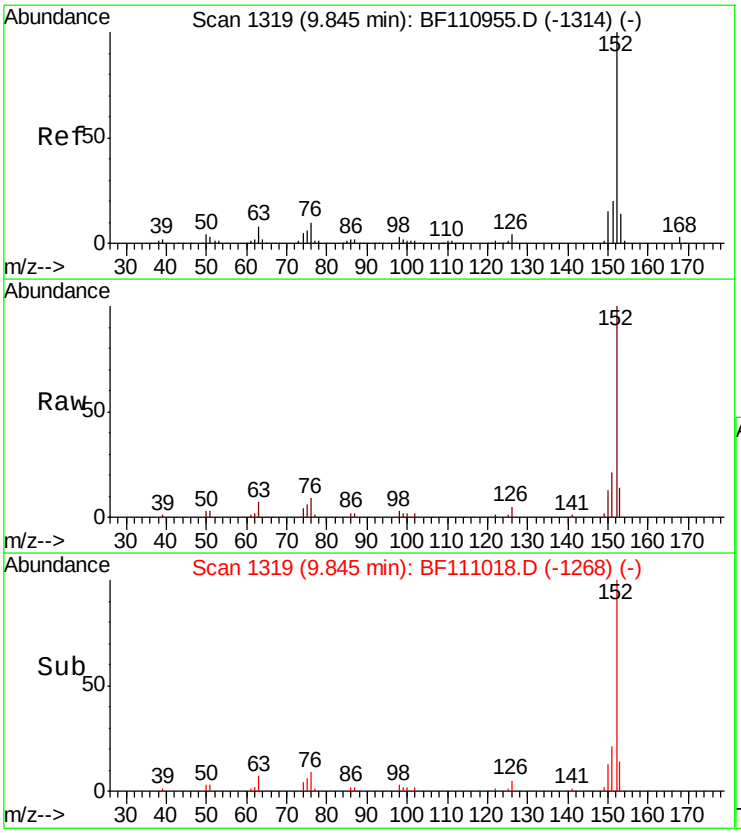
#45
2-Fluorobiphenyl
Concen: 6.734 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:172 Resp: 34948

Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	43.0
170	23.7	19.7	29.5

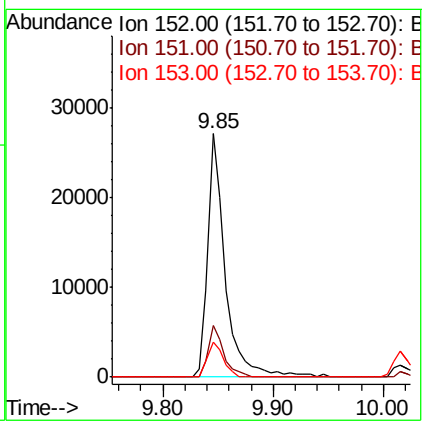


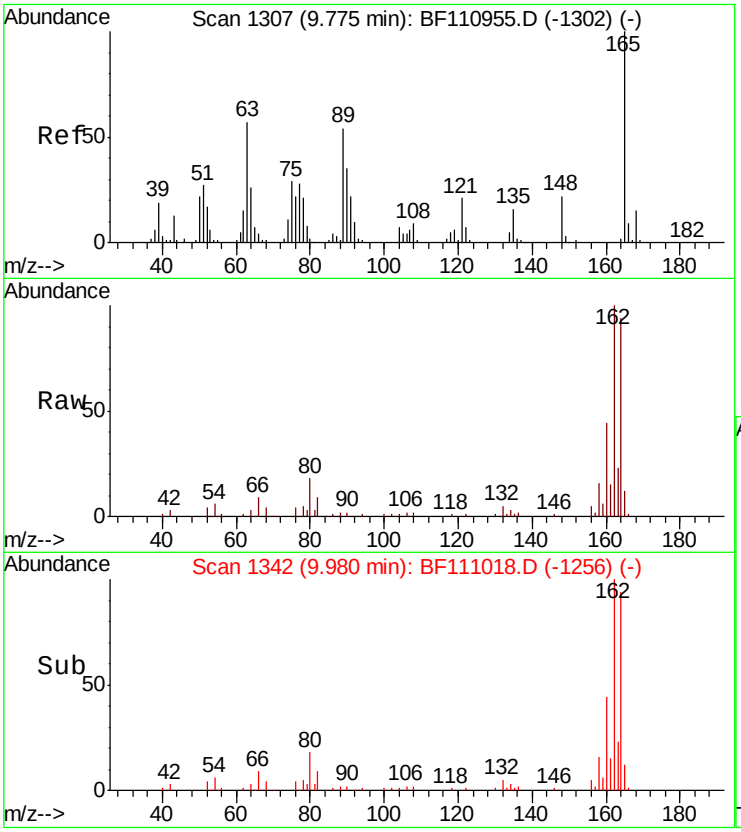


#49
Acenaphthylene
Concen: 4.107 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:152 Resp: 29357

Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.8
153	14.2	10.4	15.6



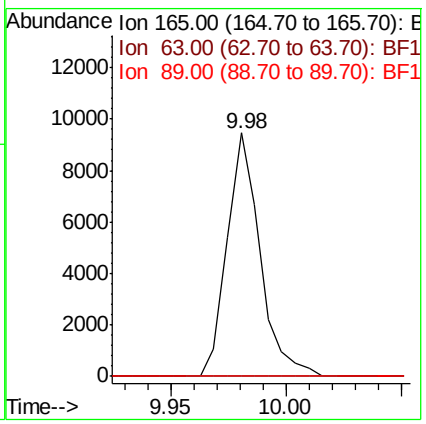


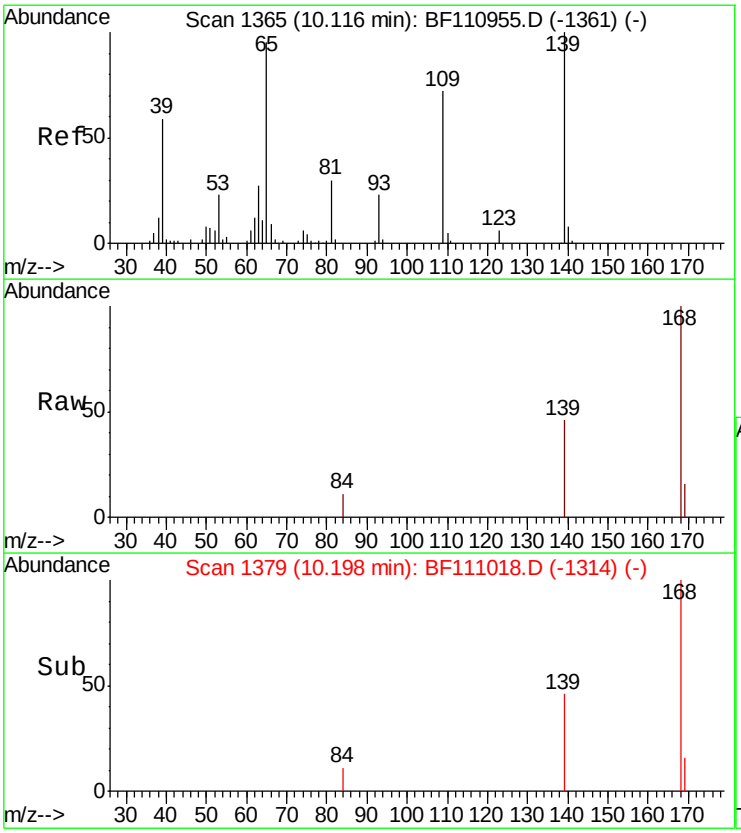
#51
2,6-Dinitrotoluene
Concen: 7.640 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:165 Resp: 9379

Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

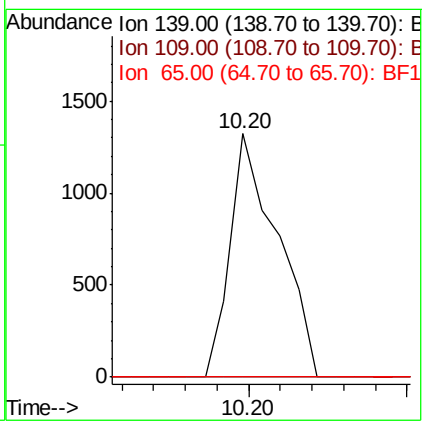


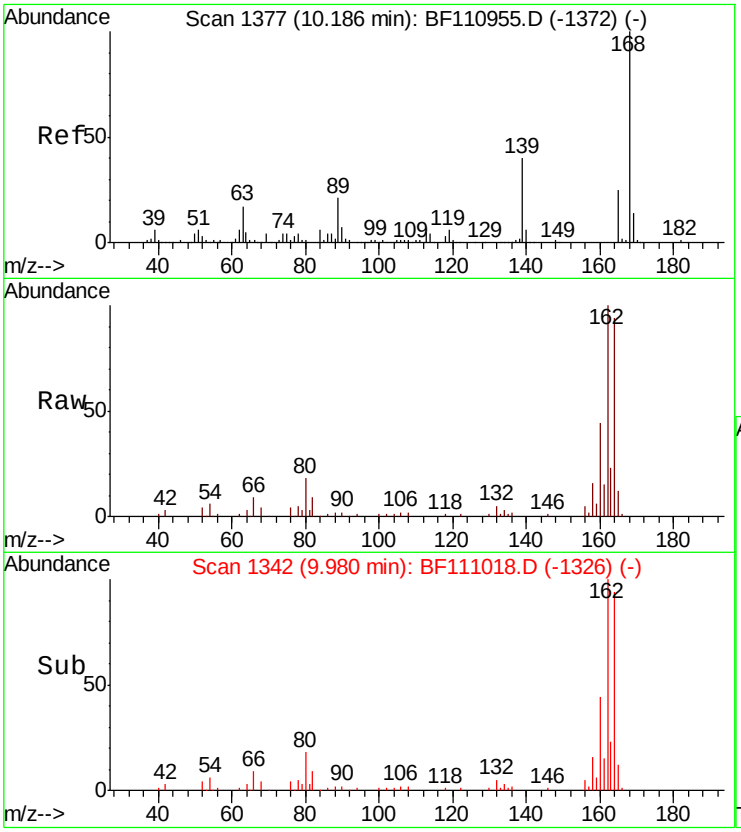


#56
4-Nitrophenol
Concen: 5.870 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.08 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:139 Resp: 1371

Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#



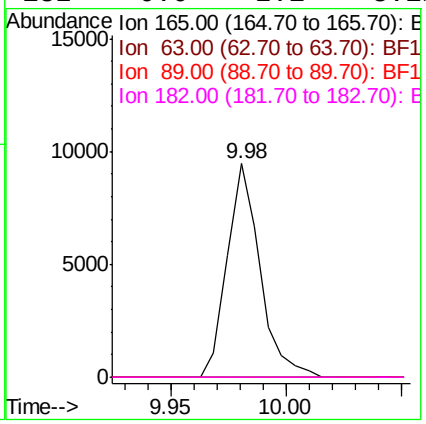


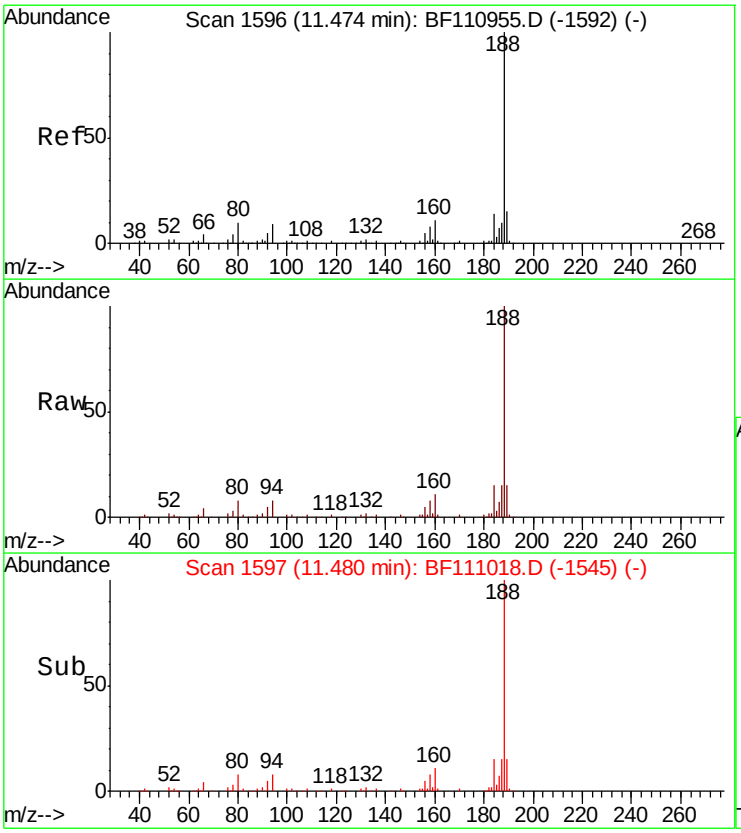
#57
2,4-Dinitrotoluene
Concen: 5.888 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:165 Resp: 9379

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

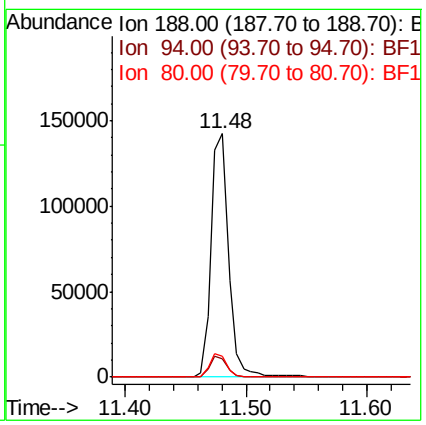


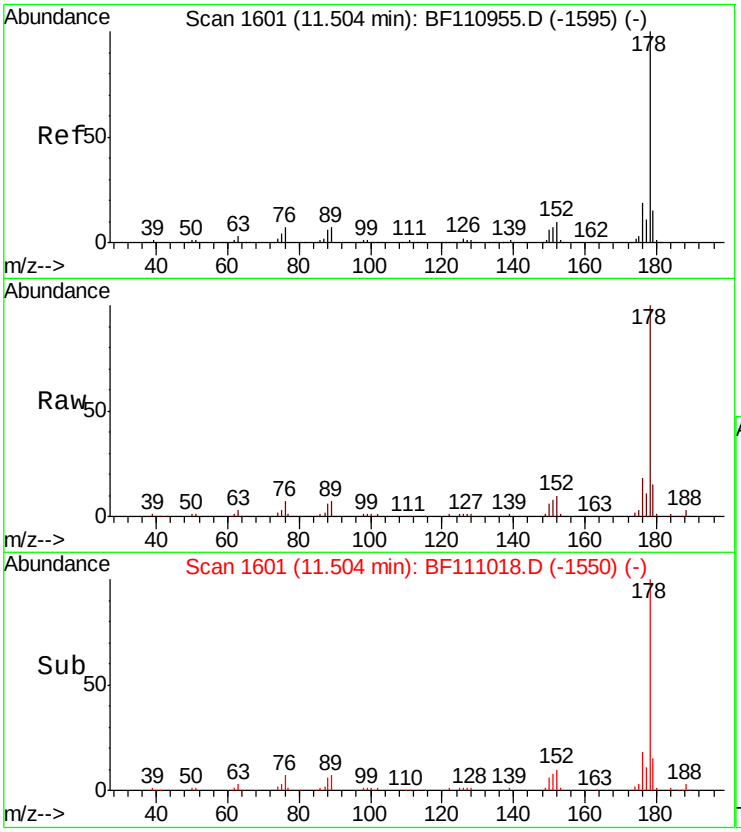


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:188 Resp: 141250

Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.2	10.8
80	8.4	7.9	11.9



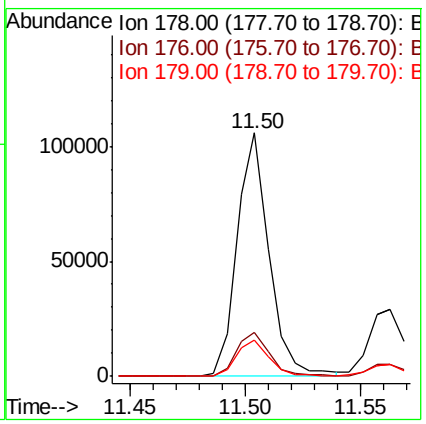


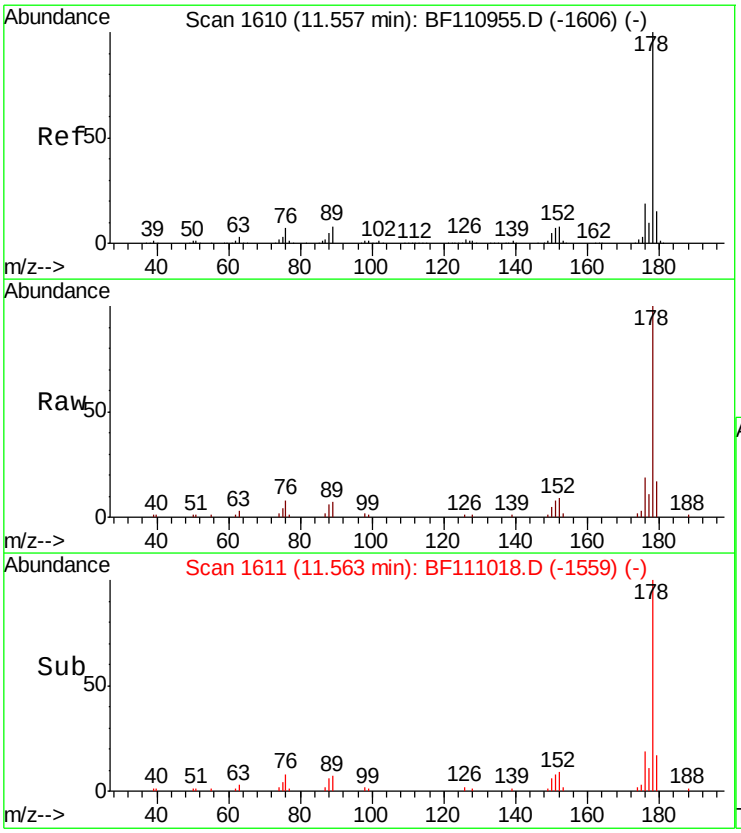
#71
Phenanthrene
Concen: 13.656 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:178 Resp: 102157

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.5	23.3
179	14.7	12.5	18.7

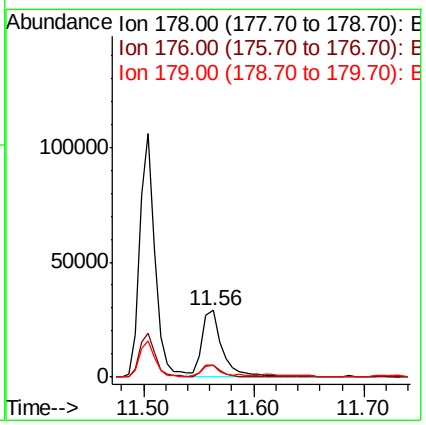


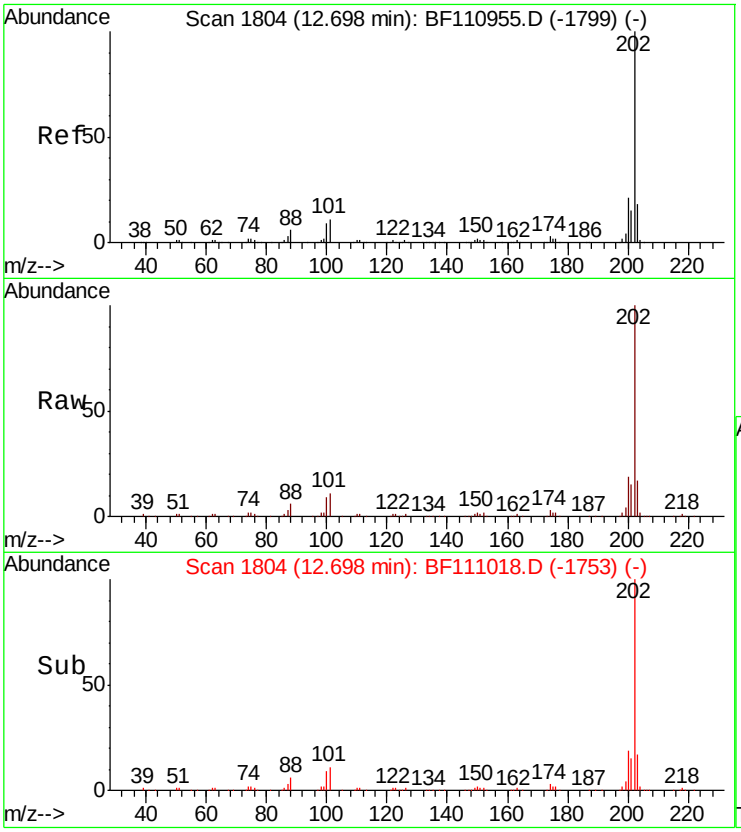


#72
Anthracene
Concen: 5.035 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:178 Resp: 38361

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.0	12.6	18.8



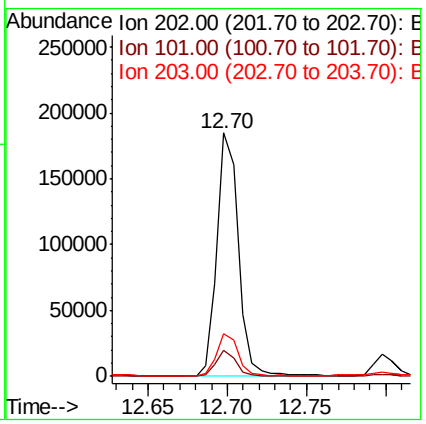


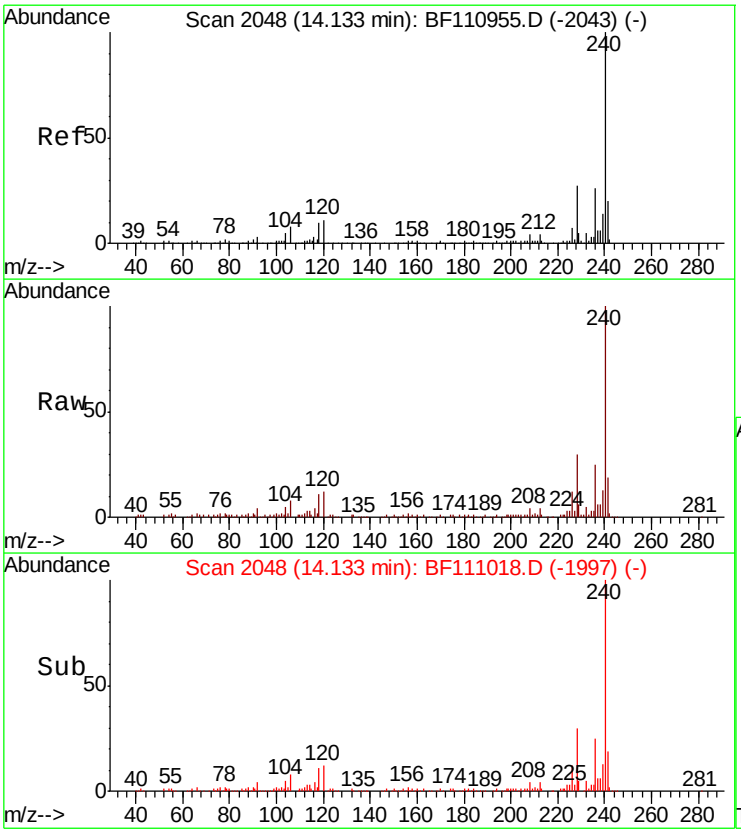
#75
Fluoranthene
Concen: 22.800 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:202 Resp: 175304

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.4	0.0	37.7

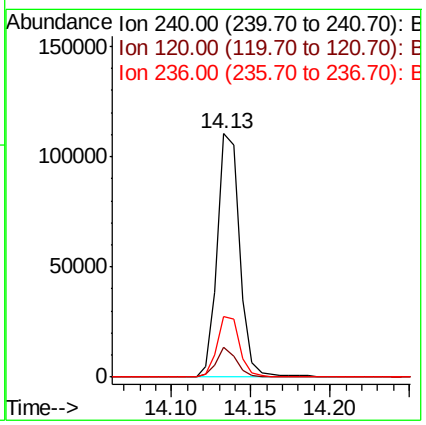


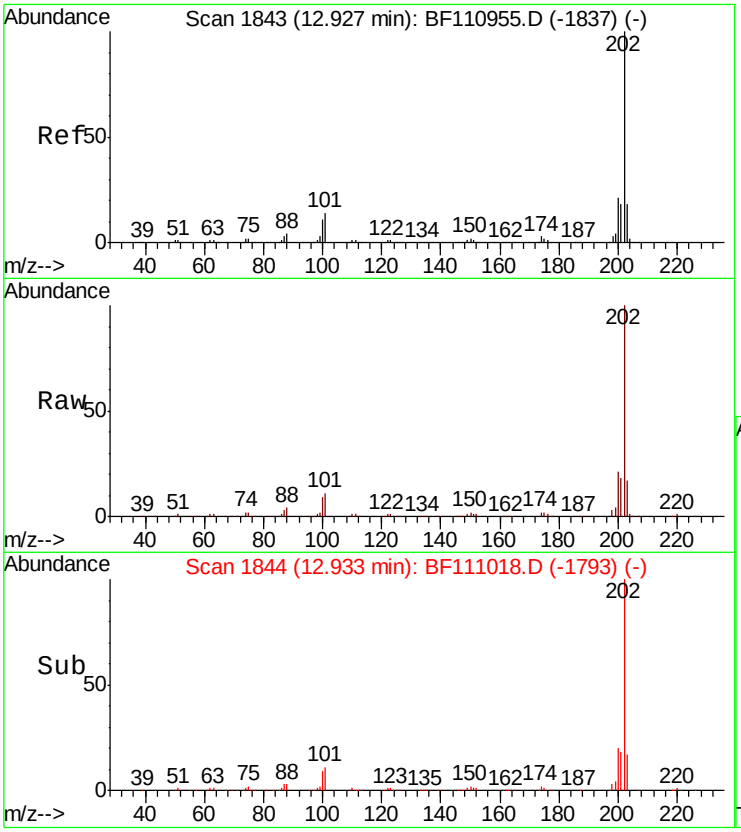


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:240 Resp: 108212

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	25.1	21.2	31.8



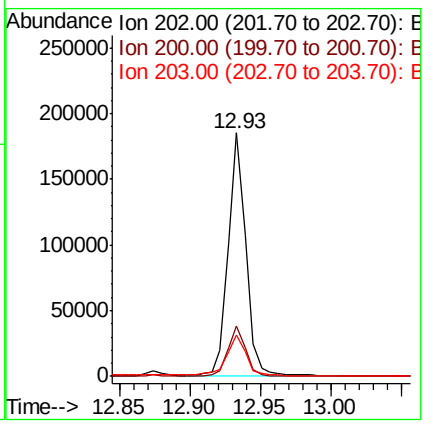


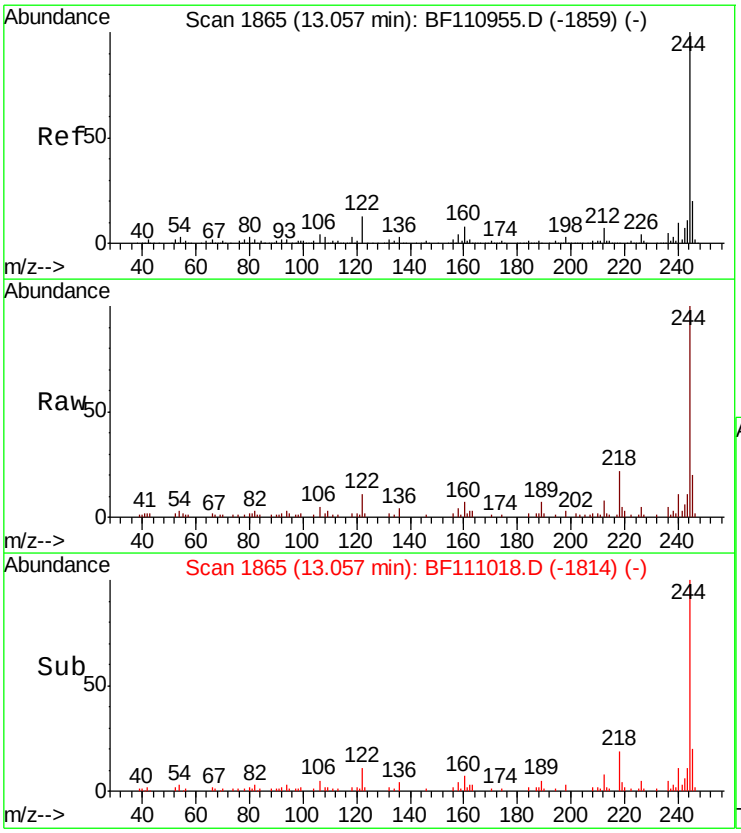
#78
Pyrene
Concen: 20.332 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:202 Resp: 160698

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.2	14.2	21.4

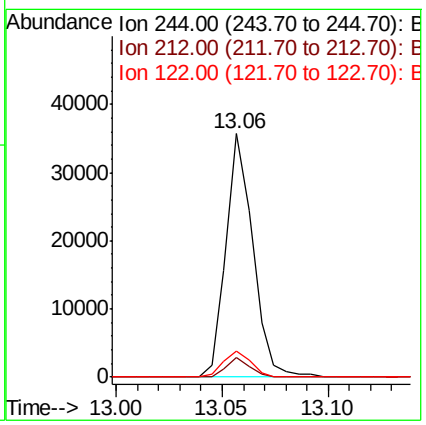


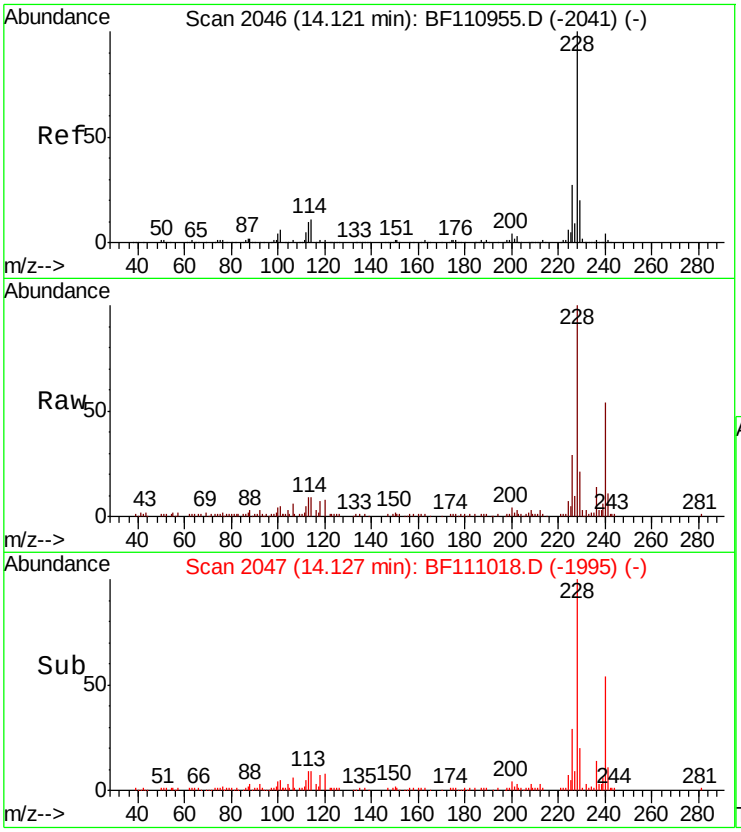


#79
Terphenyl-d14
Concen: 5.642 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:244 Resp: 31365

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	10.6	8.7	13.1



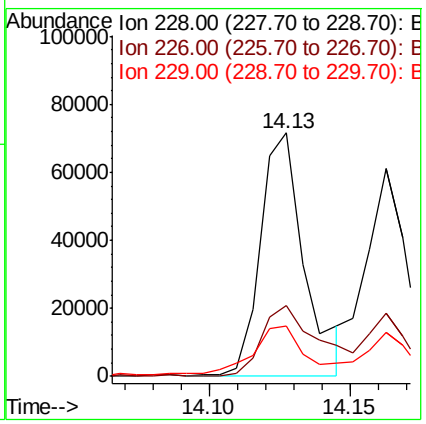


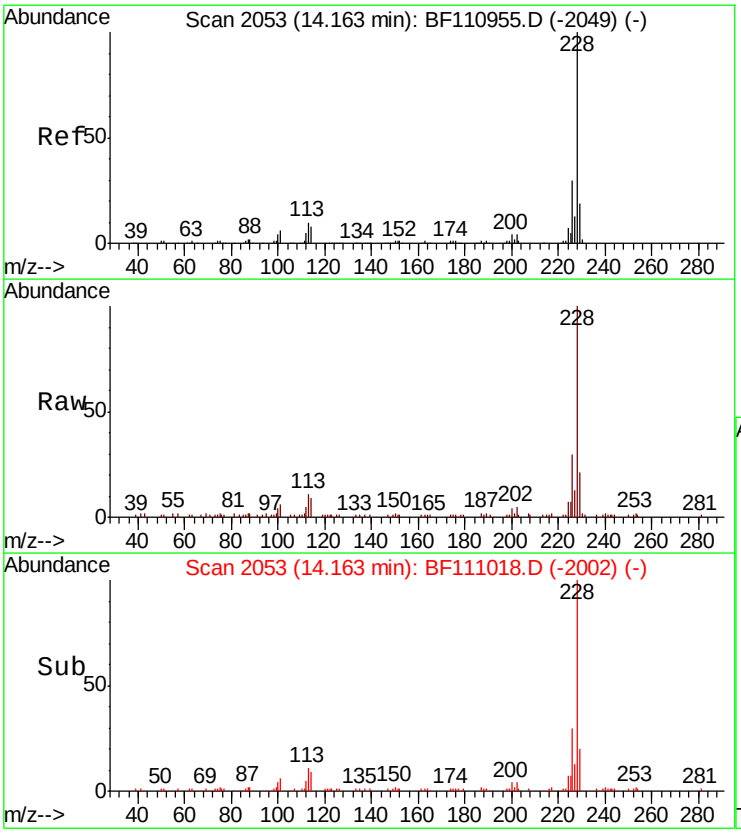
#81
Benzo(a)anthracene
Concen: 12.131 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:228 Resp: 77504

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	20.9	15.6	23.4

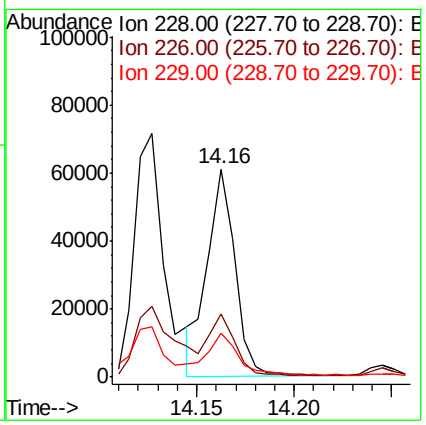


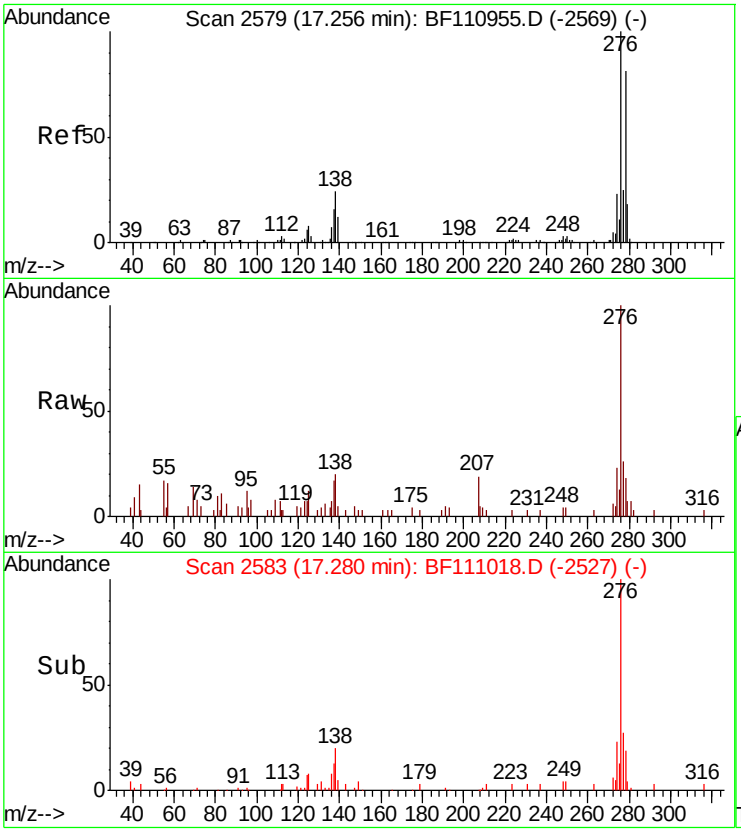


#83
Chrysene
Concen: 9.602 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:228 Resp: 60390

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	21.3	15.9	23.9



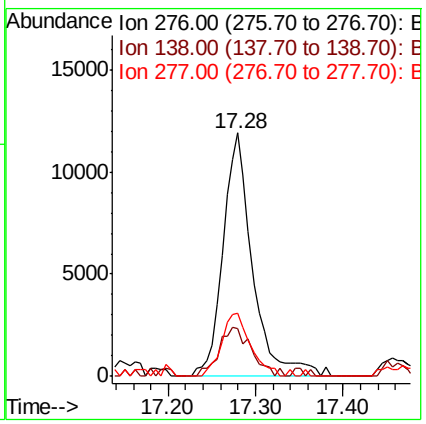


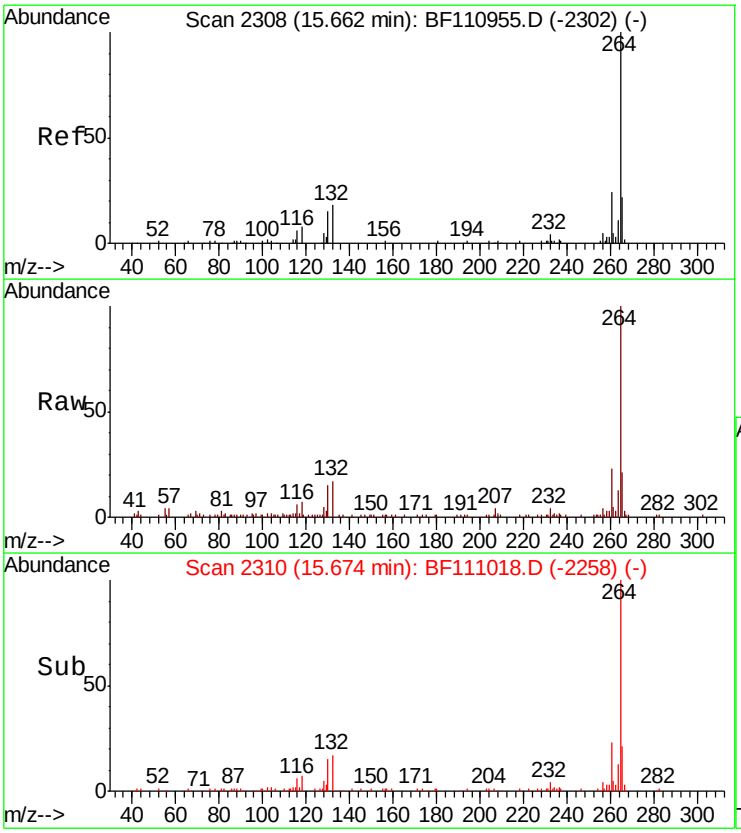
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.091 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.03 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:276 Resp: 27499

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	25.3	20.0	30.0

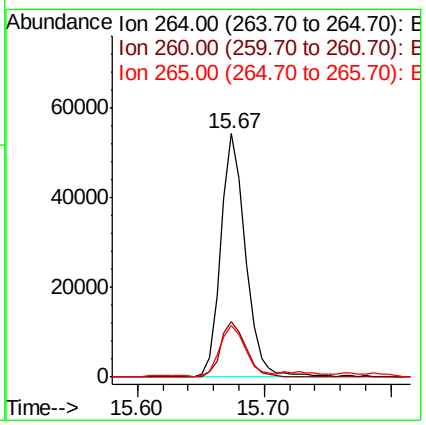


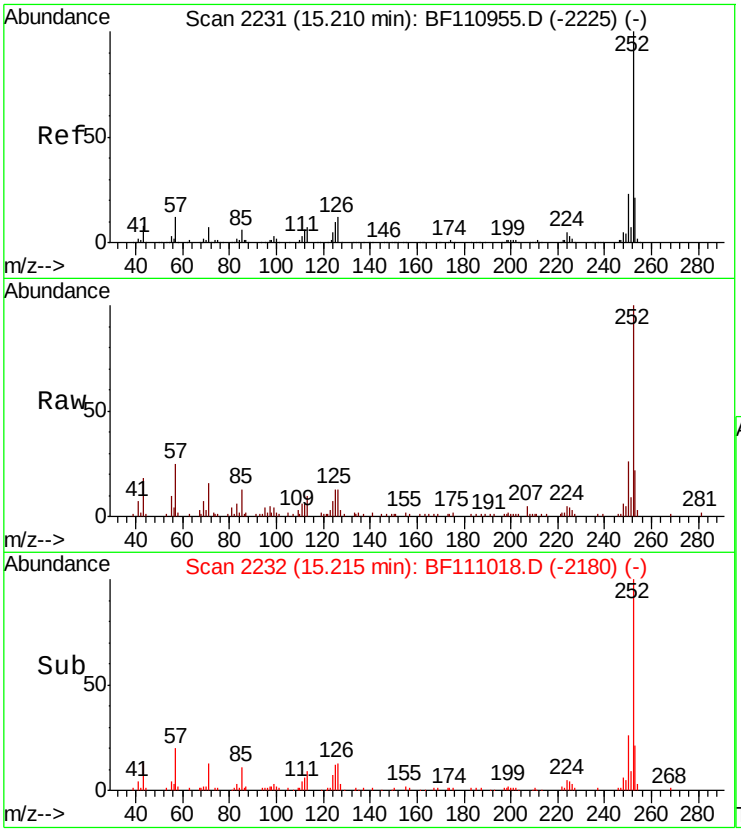


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:264 Resp: 73693

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.2	16.7	25.1



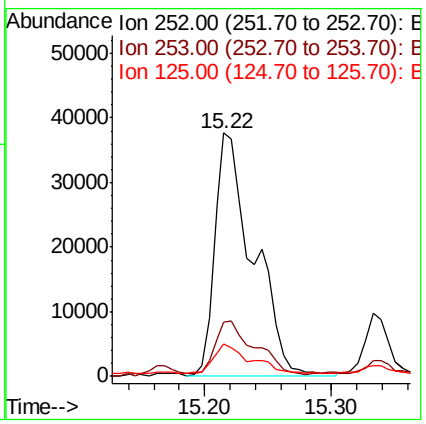


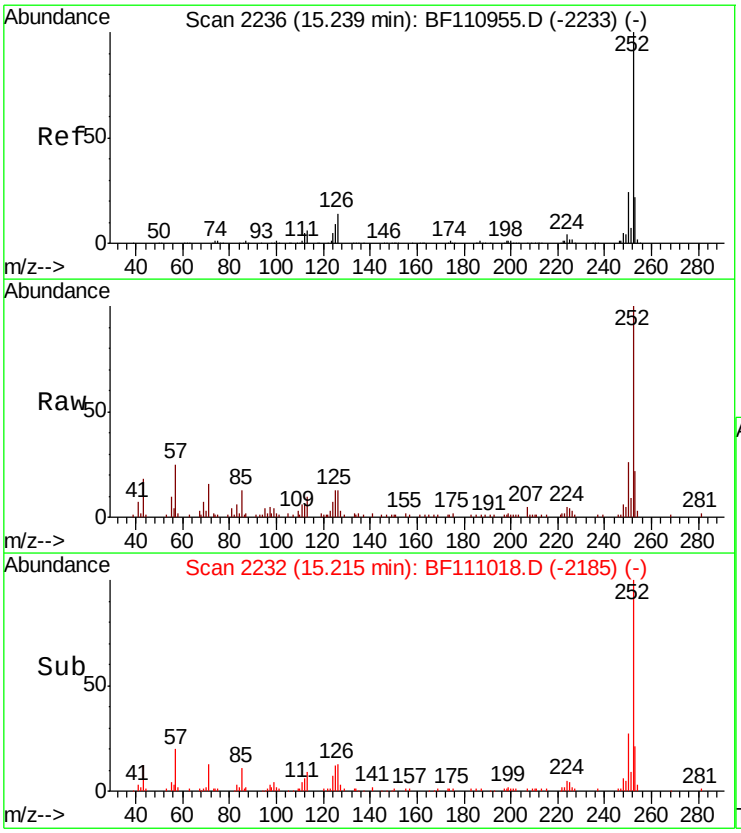
#88
Benzo(b)fluoranthene
Concen: 18.524 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:252 Resp: 80194

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	13.5	8.2	12.4#

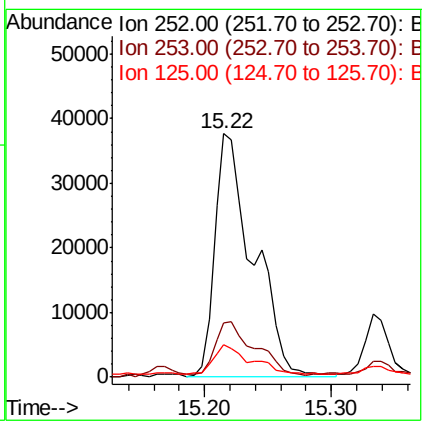


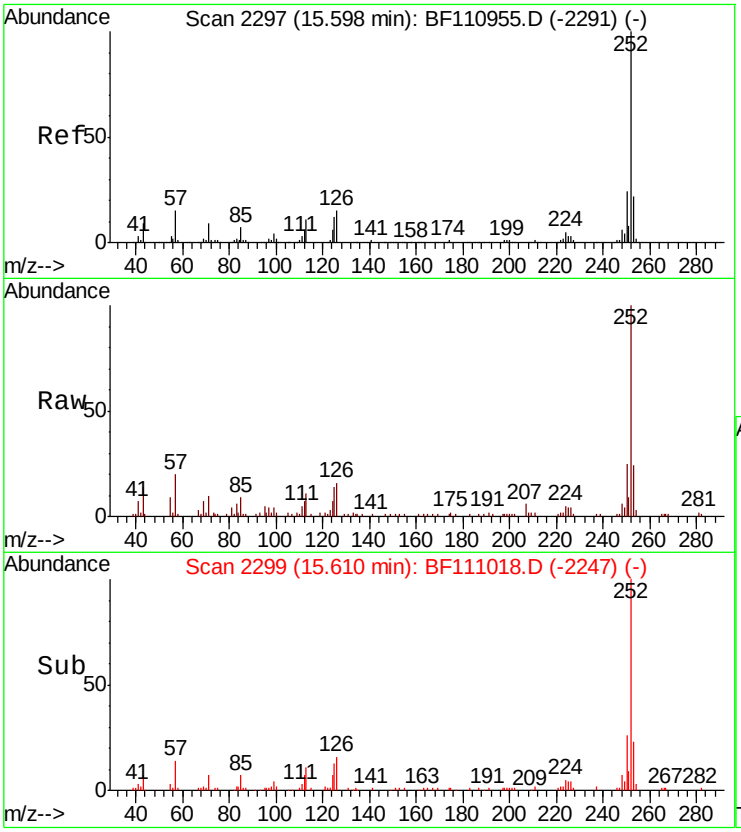


#89
Benzo(k)fluoranthene
Concen: 17.997 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:252 Resp: 80194

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	13.5	7.4	11.0#



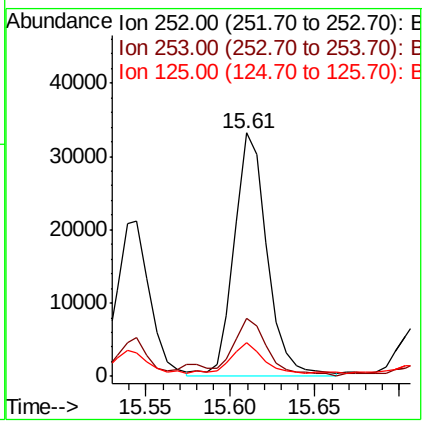


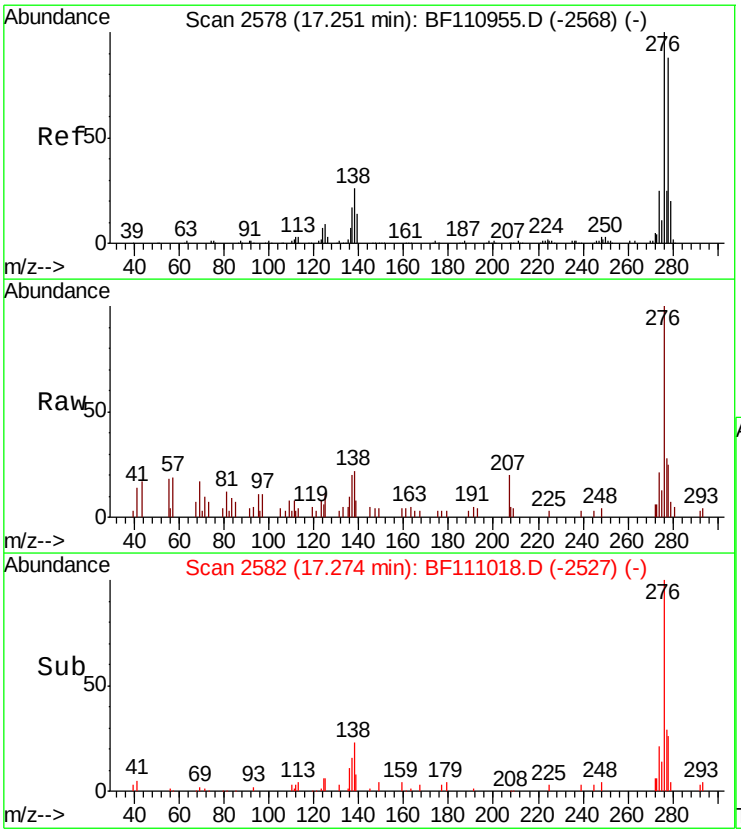
#90
Benzo(a)pyrene
Concen: 11.279 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:252 Resp: 45450

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	13.8	9.0	13.6#

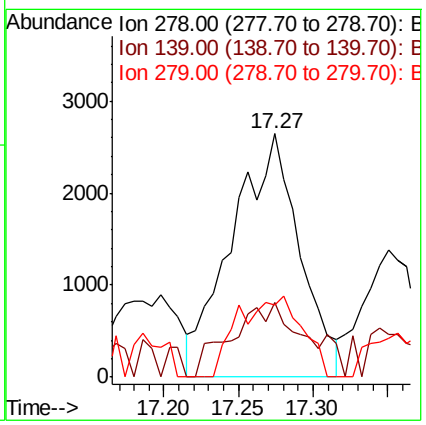


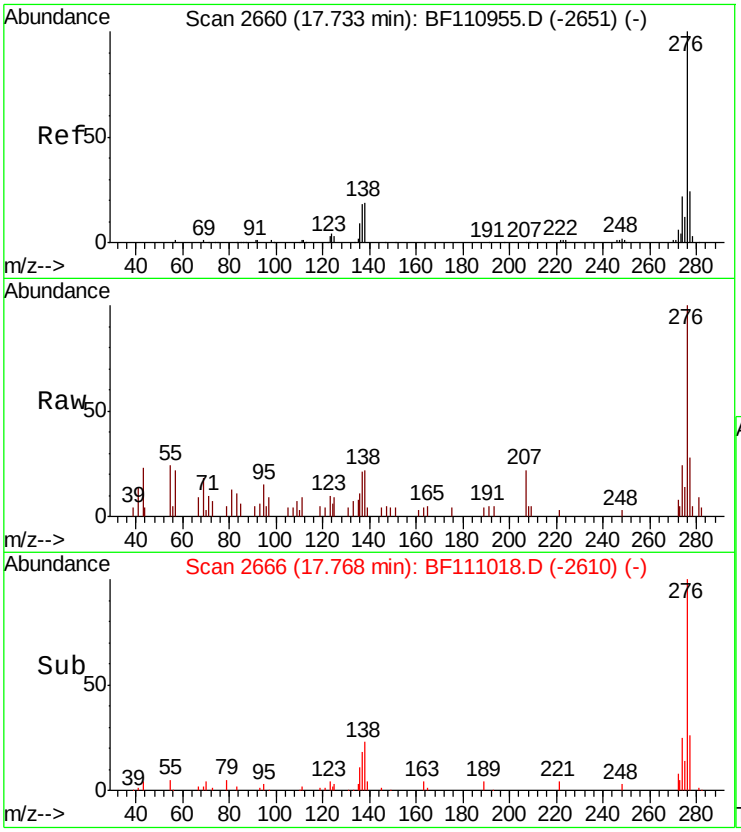


#91
Dibenzo(a,h)anthracene
Concen: 2.505 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.02 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Tgt Ion:278 Resp: 8329

Ion	Ratio	Lower	Upper
278	100		
139	30.5	12.7	19.1#
279	29.9	19.0	28.4#





#92
Benzo(g,h,i)perylene
Concen: 7.595 ng
RT: 17.77 min Scan# 2666
Delta R.T. 0.03 min
Lab File: BF111018.D
Acq: 27 Nov 2018 19:09

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion:276 Resp: 24348

Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.8	28.2#
138	22.0	16.0	24.0