Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112018\
Data File : BF110905.D
Acq On : 20 Nov 2018 20:13
Operator : JU/SJ
Sample : J5981-02DL 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DTW-02(11-13)DL

Quant Time: Nov 21 04:22:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	56899	20.00	ng		0.00
21) Naphthalene-d8	8.23	136	236548	20.00	ng		0.00
39) Acenaphthene-d10	9.99	164	92549	20.00	ng		0.00
64) Phenanthrene-d10	11.48	188	155288	20.00	ng		0.00
76) Chrysene-d12	14.14	240	121192	20.00	ng		0.00
87) Perylene-d12	15.67	264	83327	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	15819	4.52	ng		0.02
7) Phenol-d6	6.59	99	21110	4.71	ng		0.02
23) Nitrobenzene-d5	7.53	82	11577	2.82	ng		0.01
42) 2,4,6-Tribromophenol	10.79	330	3401	3.65	ng		0.00
45) 2-Fluorobiphenyl	9.30	172	21511	3.32	ng		0.00
79) Terphenyl-d14	13.06	244	19504	3.01	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.25	128	82278	7.409	ng		98
49) Acenaphthylene	9.85	152	68583	7.656	ng		98
51) 2,6-Dinitrotoluene	9.99	165	12573	8.276	ng	#	21
52) Acenaphthene	10.02	154	21305	3.764	ng		97
55) Dibenzofuran	10.19	168	40892	4.937	ng		98
56) 4-Nitrophenol	10.19	139	15913	13.629	ng	#	7
57) 2,4-Dinitrotoluene	9.99	165	12573	6.365	ng	#	17
58) Fluorene	10.54	166	69632	10.946	ng		99
71) Phenanthrene	11.50	178	424521	51.027	ng		100
72) Anthracene	11.56	178	177743	21.179	ng		98
73) Carbazole	11.72	167	25611	3.178	ng		99
75) Fluoranthene	12.70	202	596798	71.551	ng		99
78) Pyrene	12.93	202	467459	50.095	ng		98
81) Benzo(a)anthracene	14.13	228	198161	27.356	ng		96
83) Chrysene	14.16	228	154012	22.317	ng		98
86) Indeno(1,2,3-cd)pyrene	17.26	276	58040	11.720	ng		96
88) Benzo(b)fluoranthene	15.22	252	203600	40.843	ng		97
89) Benzo(k)fluoranthene	15.22	252	203600	41.335	ng	#	96
90) Benzo(a)pyrene	15.60	252	105598	23.315	ng		98
91) Dibenzo(a,h)anthracene	17.26	278	14939	3.898	ng	#	90
92) Benzo(g,h,i)perylene	17.74	276	48957	12.874	ng		95

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

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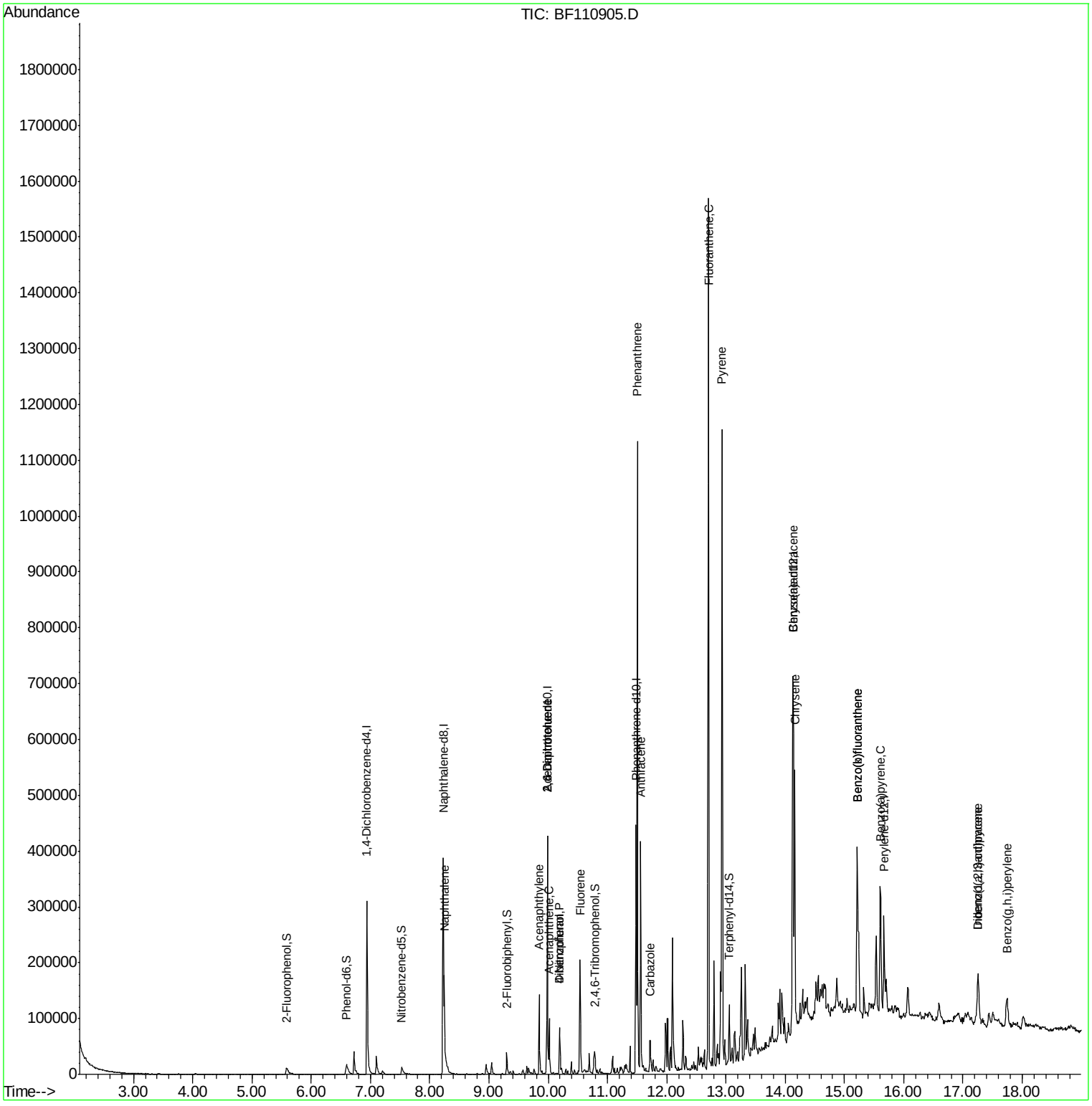
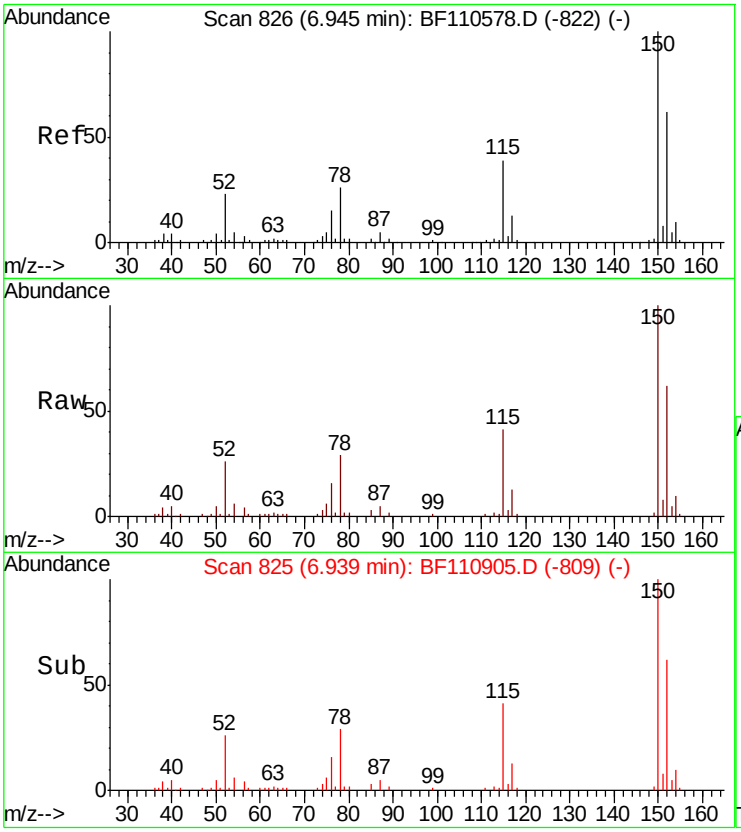


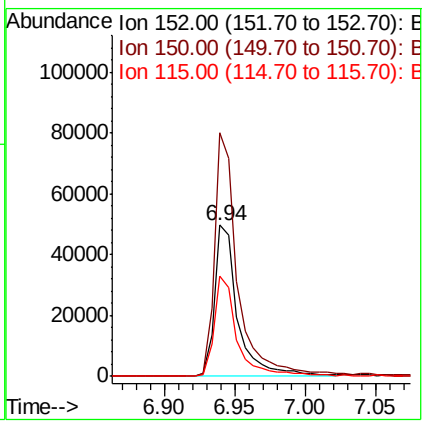


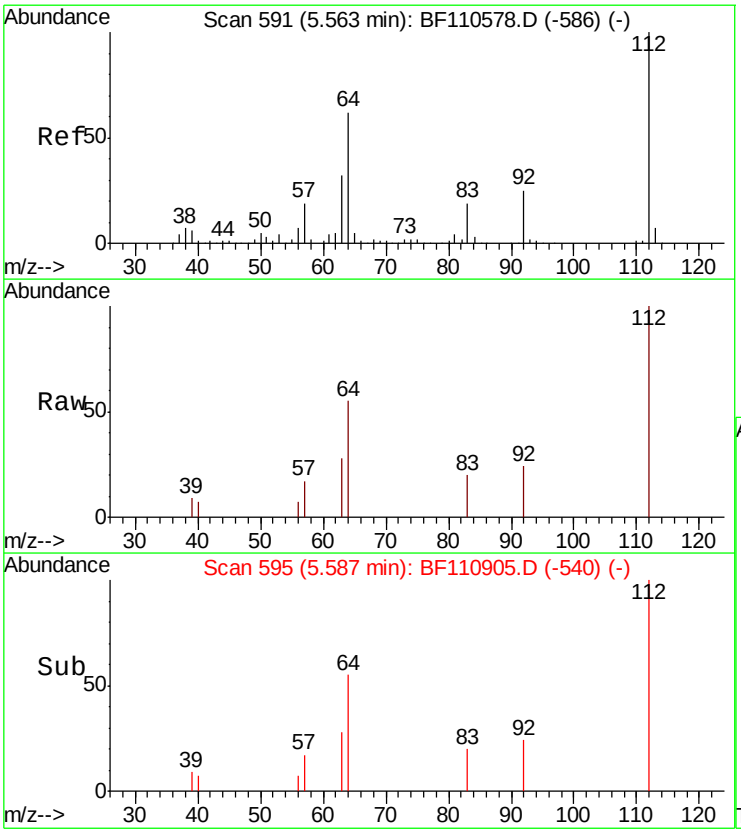
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:152 Resp: 56899

Ion	Ratio	Lower	Upper
152	100		
150	161.0	122.7	184.1
115	66.3	49.1	73.7

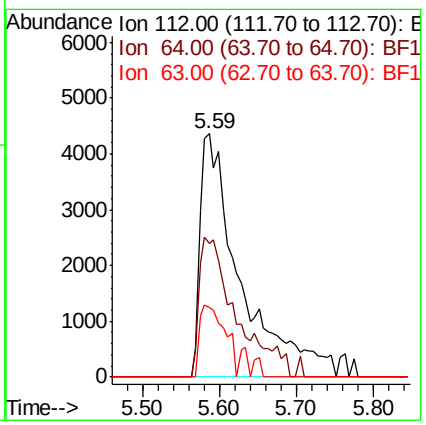


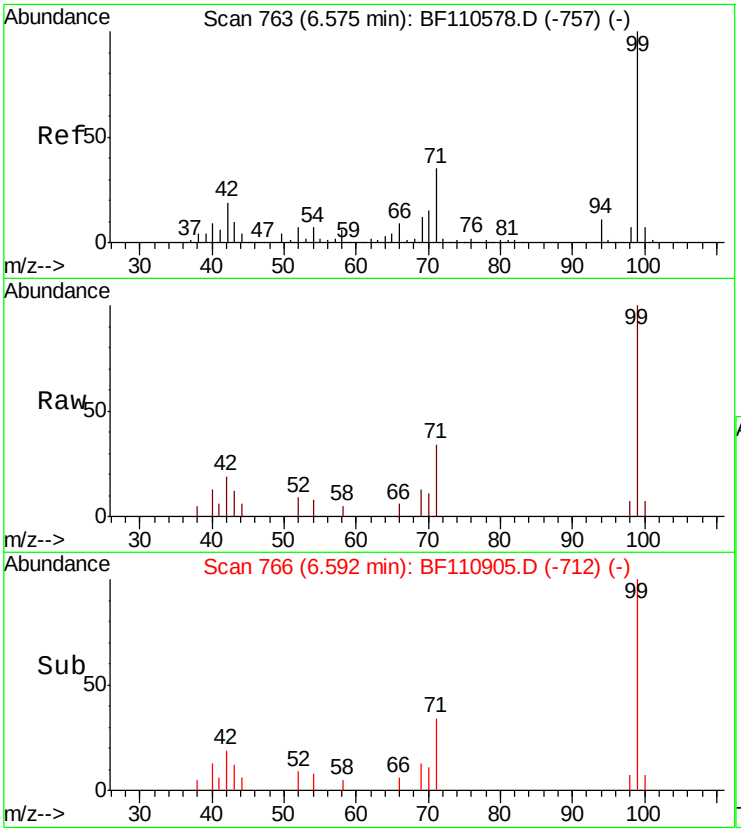


#5
2-Fluorophenol
Concen: 4.516 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.02 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:112 Resp: 15819

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.1	66.1
63	28.4	23.7	35.5



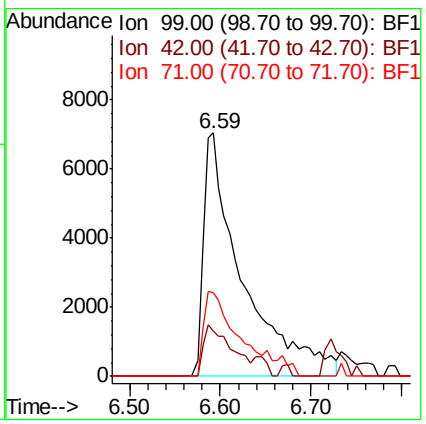


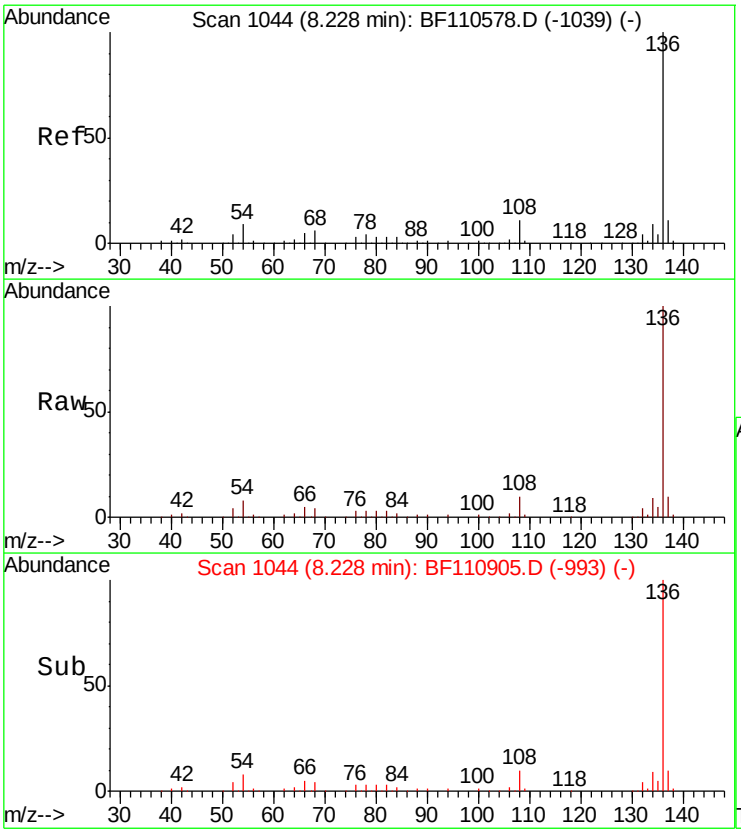
#7
Phenol-d6
Concen: 4.713 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.02 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion: 99 Resp: 21110

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.8	23.6
71	34.3	28.0	42.0

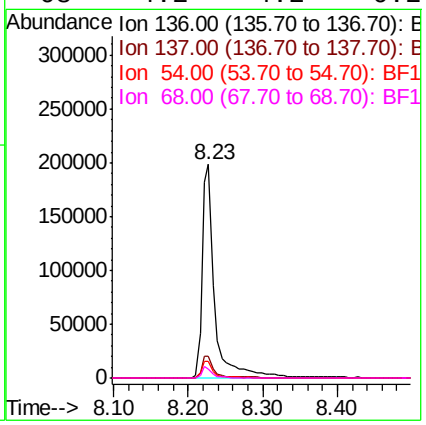


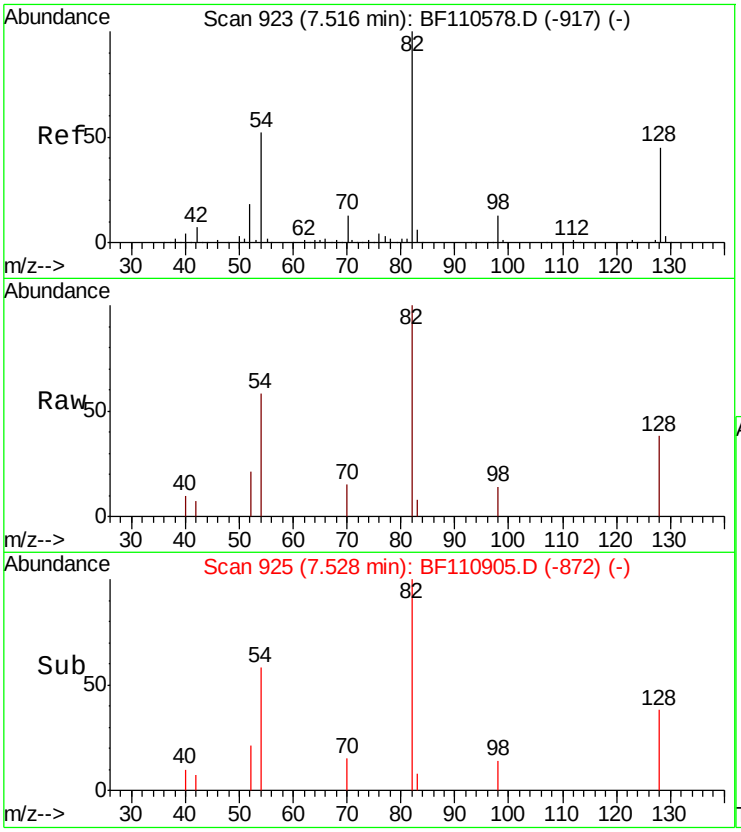


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:136 Resp: 236548

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.6	5.4	8.2
68	4.2	4.2	6.2



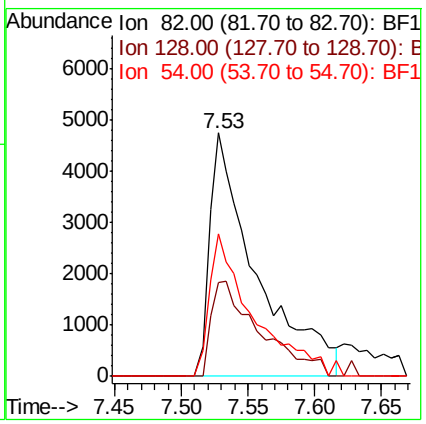


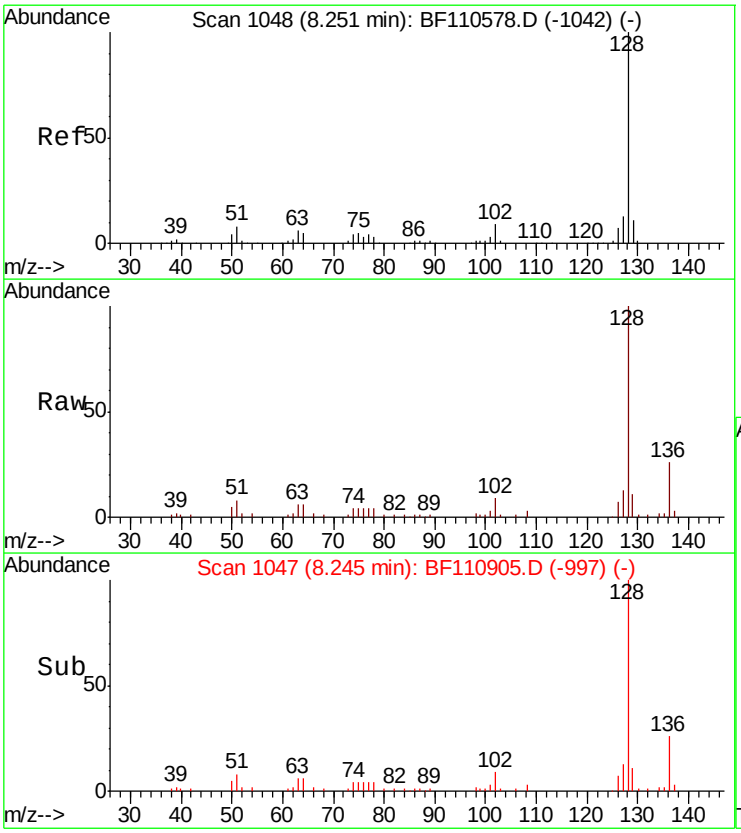
#23
Nitrobenzene-d5
Concen: 2.819 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion: 82 Resp: 11577

Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.2	51.2
54	58.4	38.6	58.0#

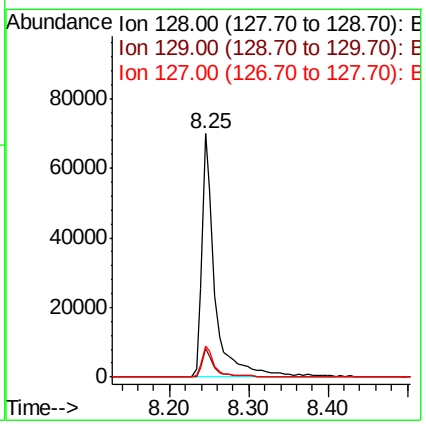


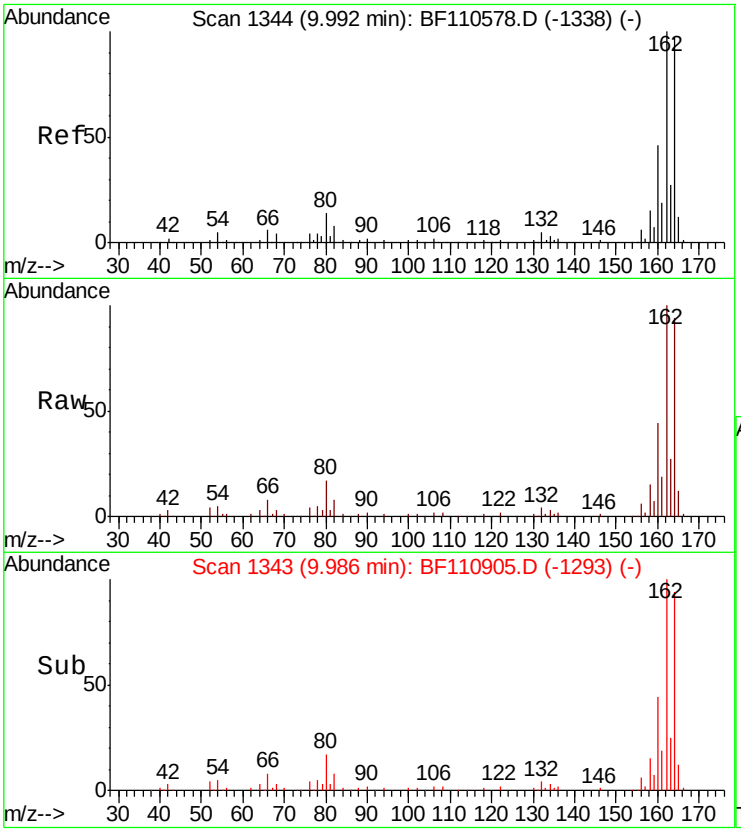


#31
Naphthalene
Concen: 7.409 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:128 Resp: 82278

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	12.8	10.8	16.2



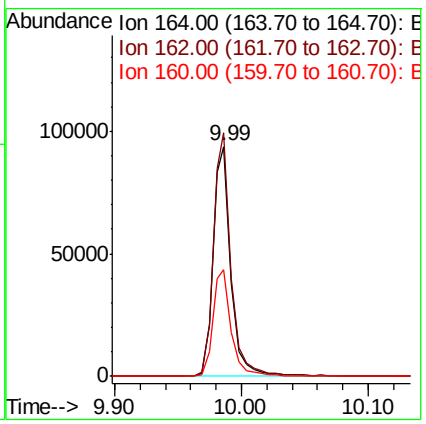


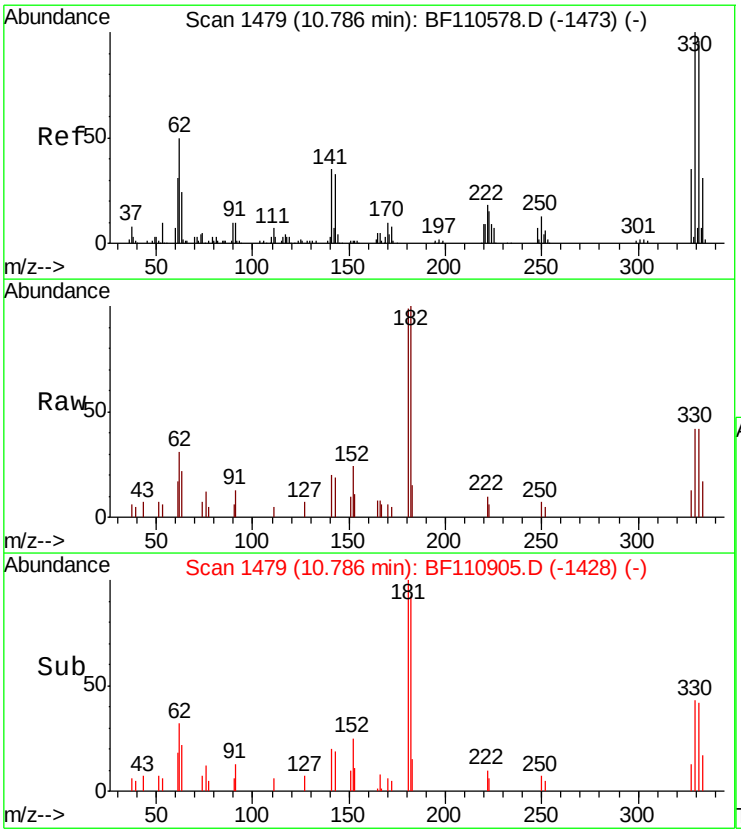
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:164 Resp: 92549

Ion	Ratio	Lower	Upper
164	100		
162	105.9	83.0	124.6
160	46.6	37.0	55.6

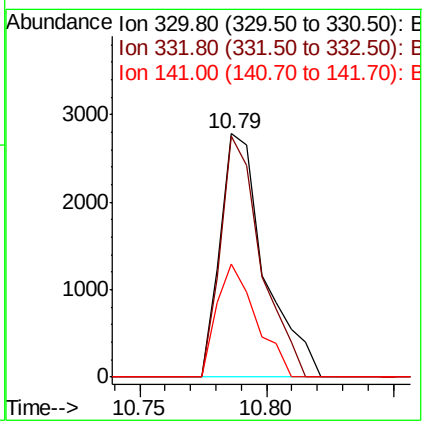


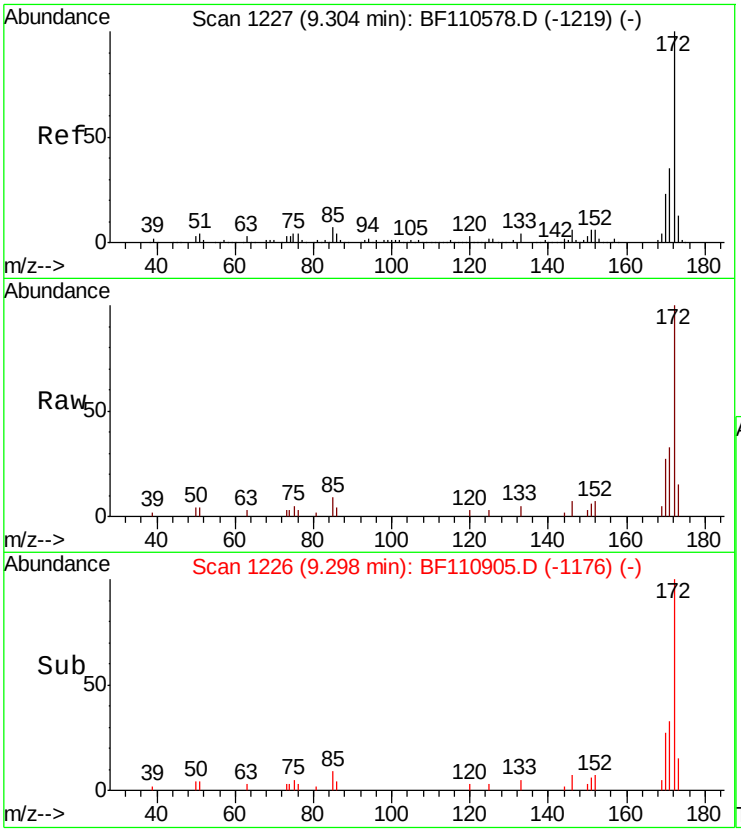


#42
2,4,6-Tribromophenol
Concen: 3.647 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:330 Resp: 3401

Ion	Ratio	Lower	Upper
330	100		
332	89.7	77.1	115.7
141	41.1	27.0	40.4#



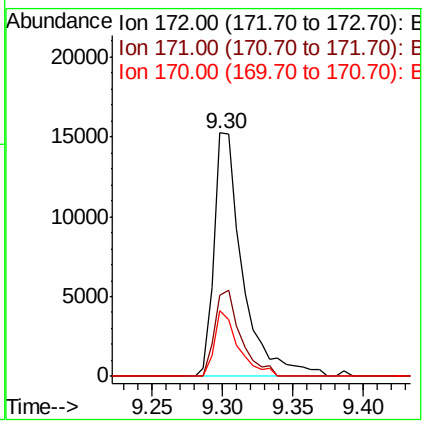


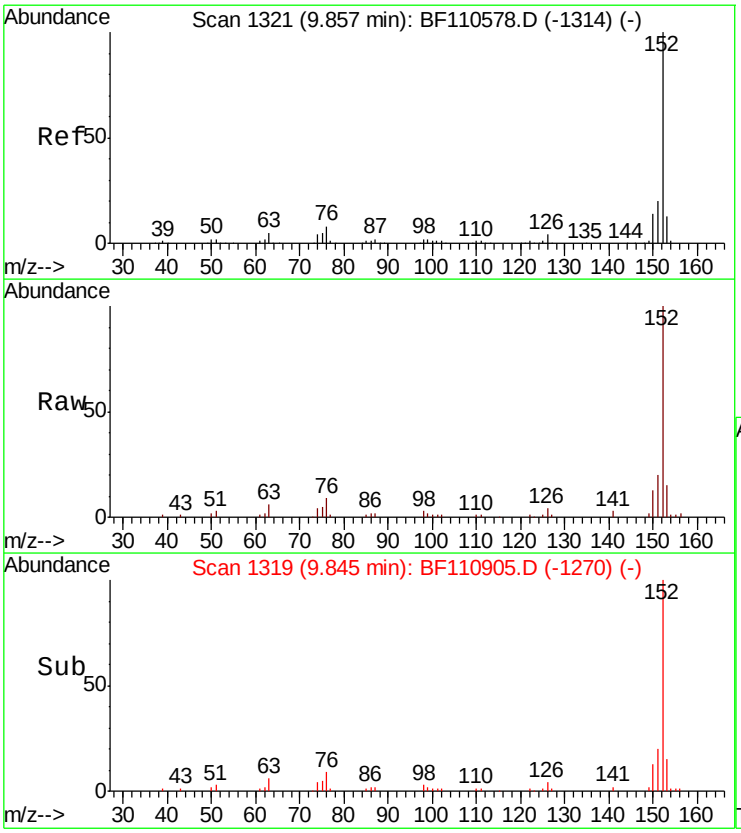
#45
2-Fluorobiphenyl
Concen: 3.319 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:172 Resp: 21511

Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.6	43.0
170	26.8	19.7	29.5

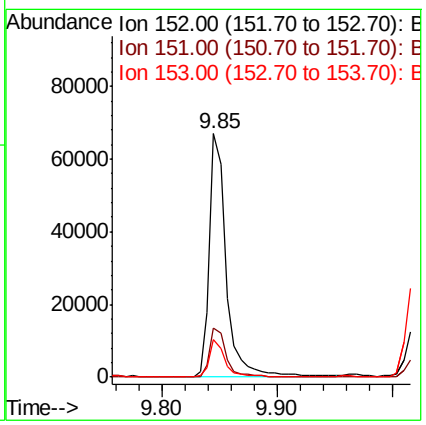


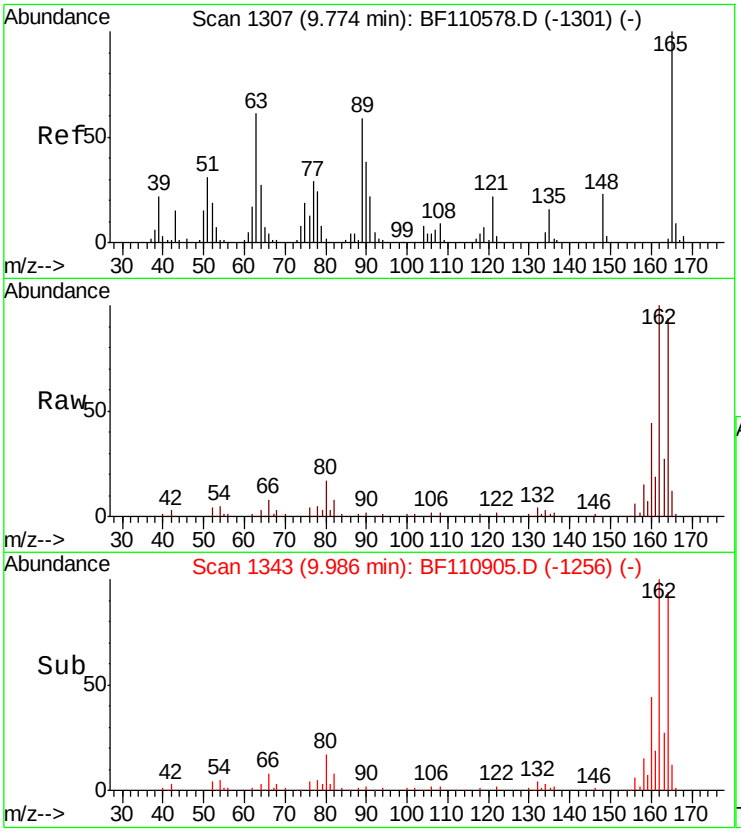


#49
Acenaphthylene
Concen: 7.656 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:152 Resp: 68583

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	15.3	10.4	15.6



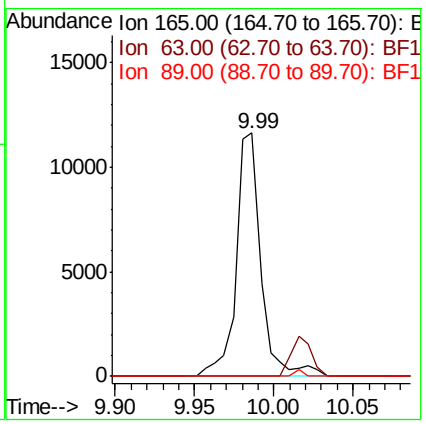


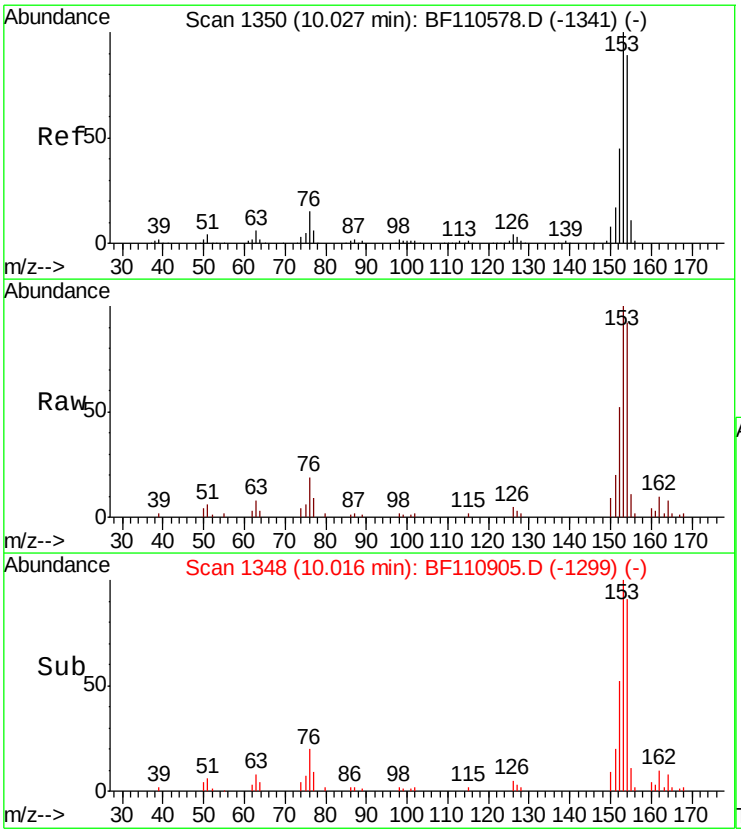
#51
2,6-Dinitrotoluene
Concen: 8.276 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:165 Resp: 12573

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

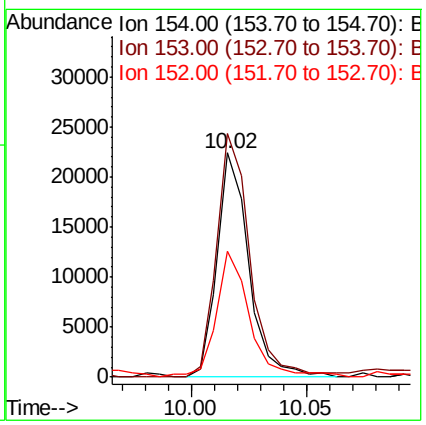


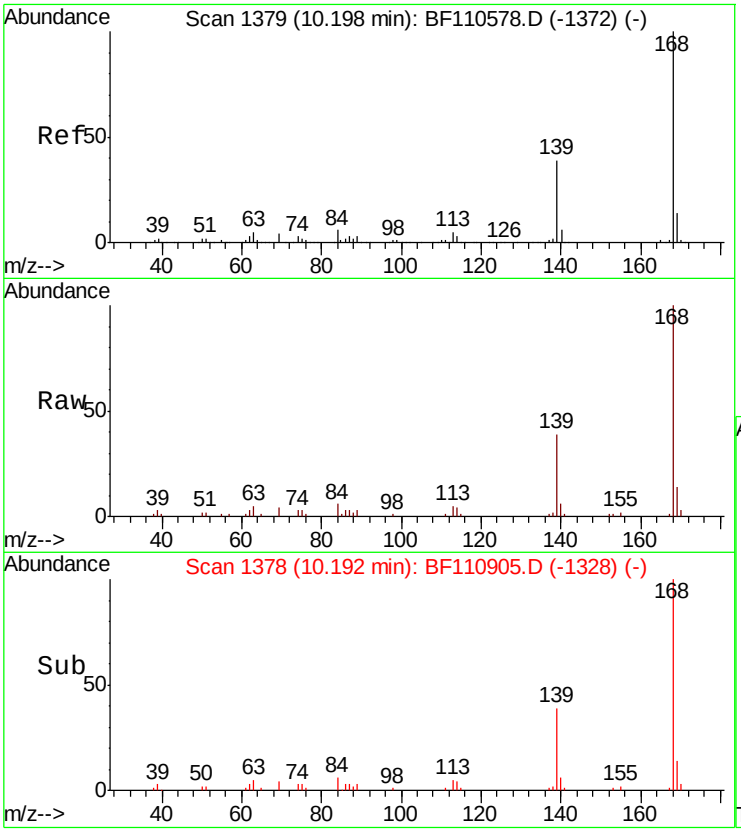


#52
Acenaphthene
Concen: 3.764 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:154 Resp: 21305

Ion	Ratio	Lower	Upper
154	100		
153	108.6	90.1	135.1
152	56.1	43.4	65.2



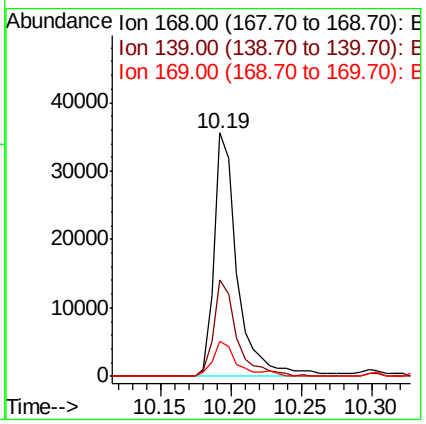


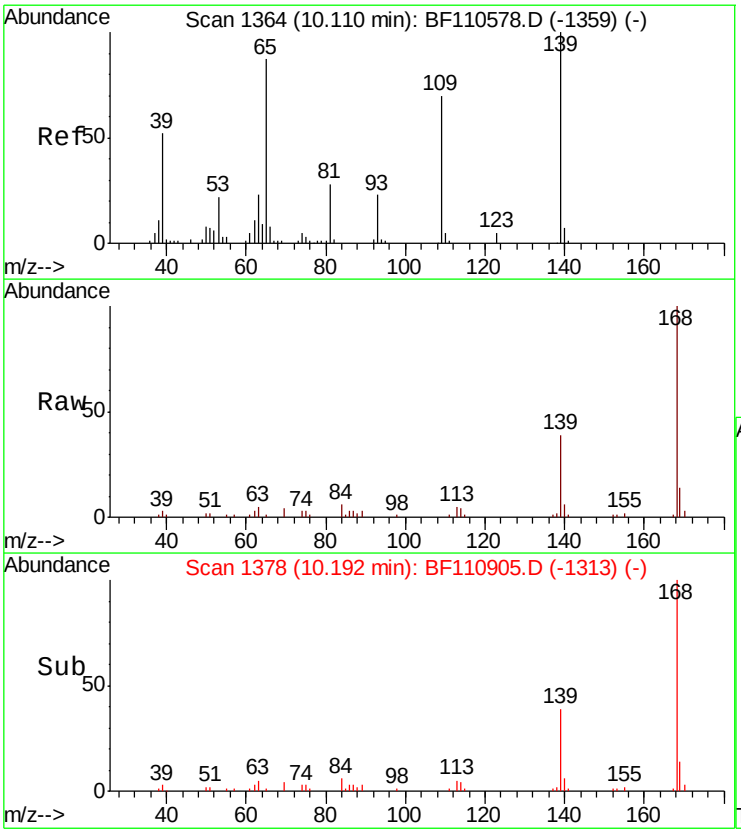
#55
Dibenzofuran
Concen: 4.937 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:168 Resp: 40892

Ion	Ratio	Lower	Upper
168	100		
139	39.4	33.0	49.6
169	14.2	11.3	16.9

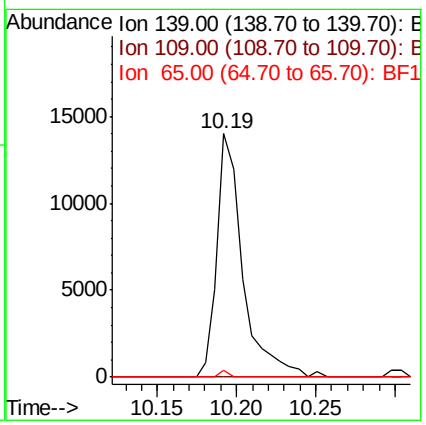


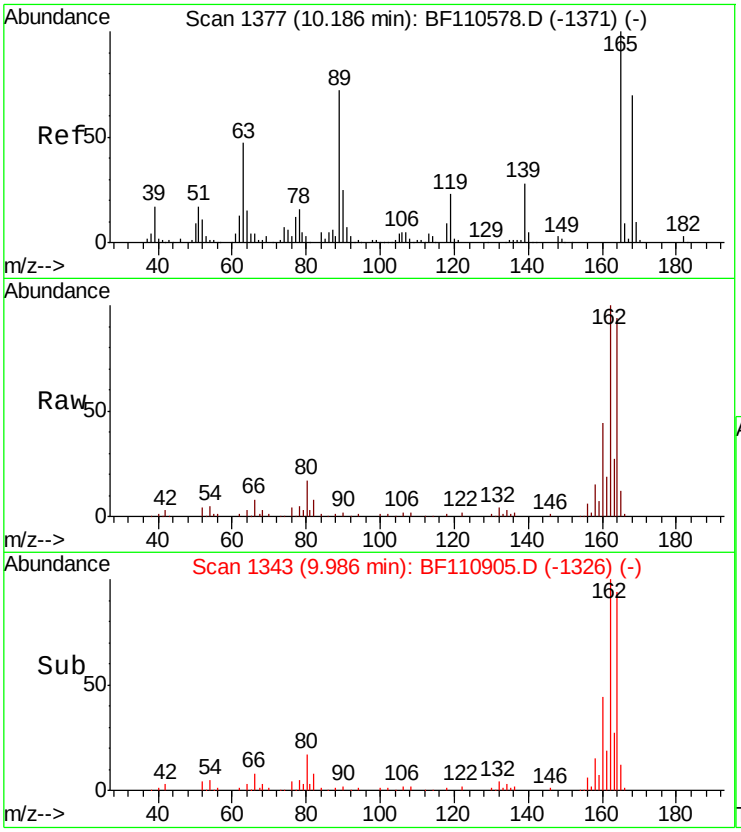


#56
4-Nitrophenol
Concen: 13.629 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:139 Resp: 15913

Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	2.7	77.9	117.9#



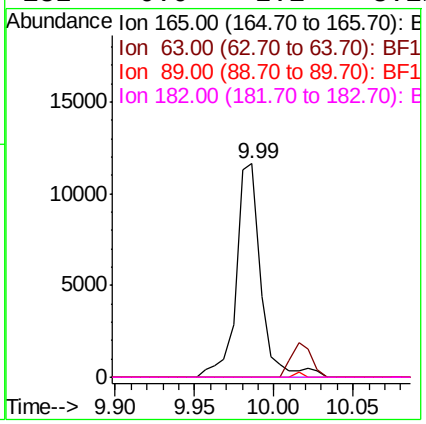


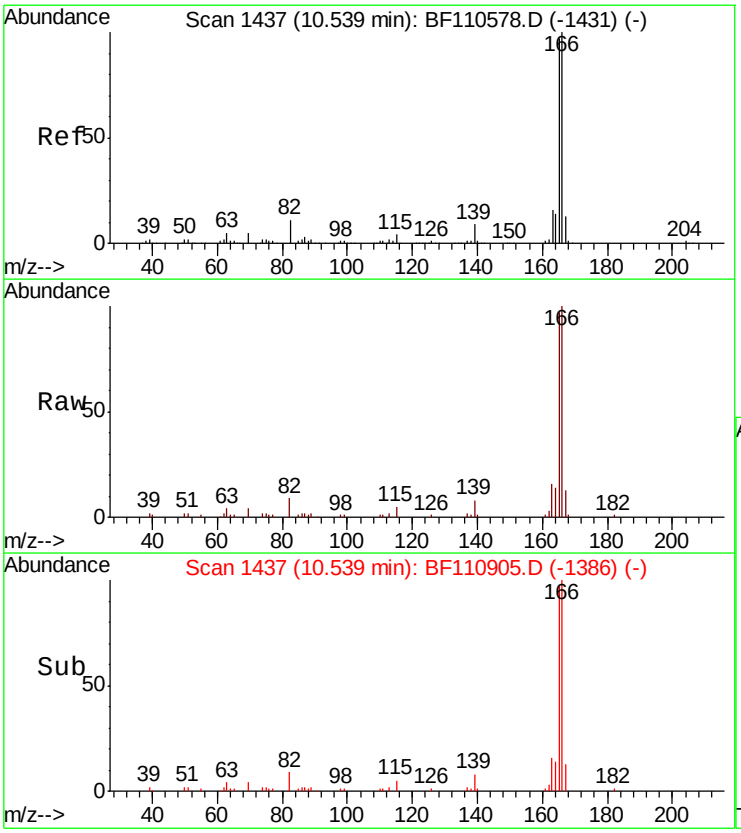
#57
2,4-Dinitrotoluene
Concen: 6.365 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.20 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:165 Resp: 12573

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#

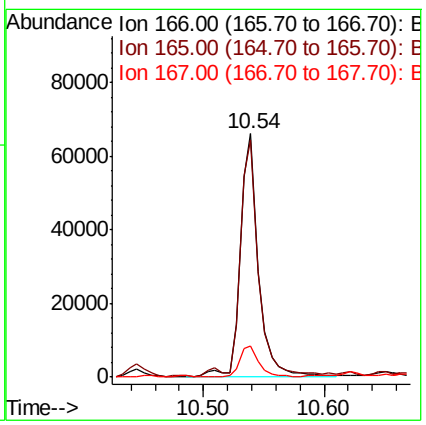


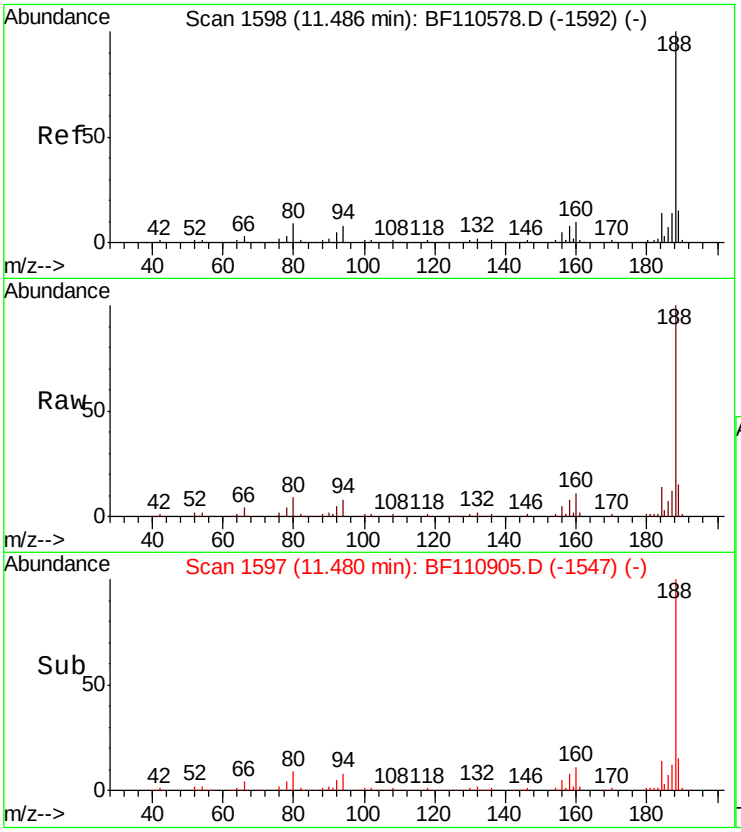


#58
Fluorene
Concen: 10.946 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:166 Resp: 69632

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.6	117.8
167	12.9	10.8	16.2



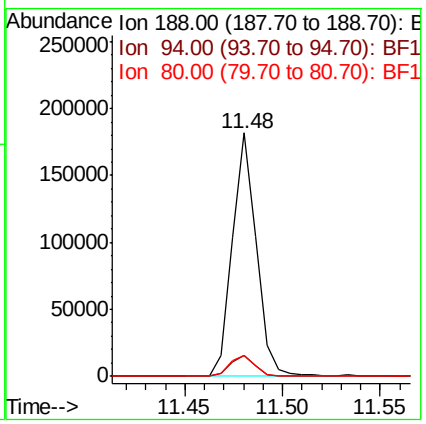


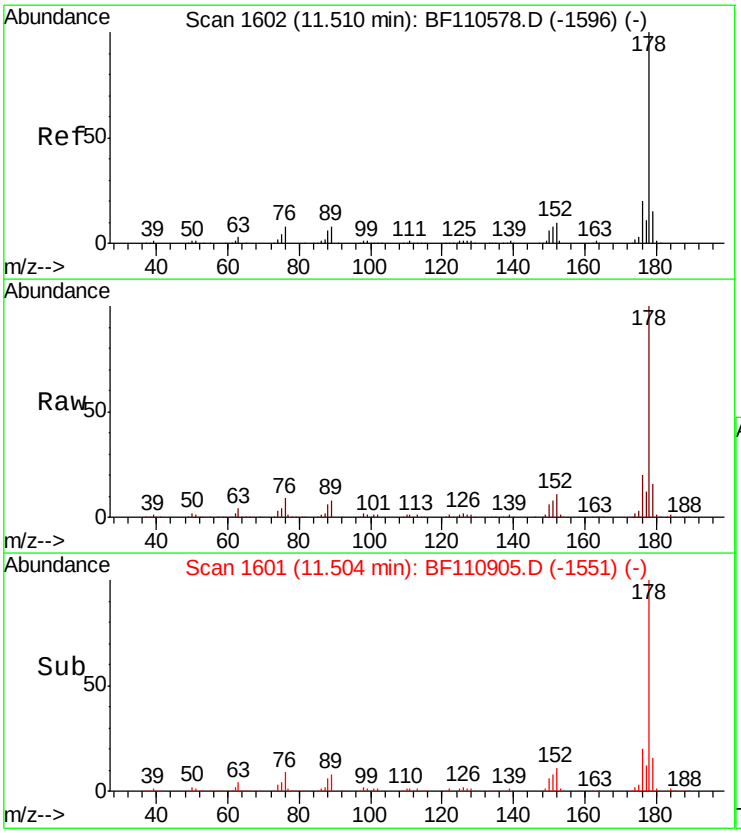
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:188 Resp: 155288

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	8.8	7.9	11.9

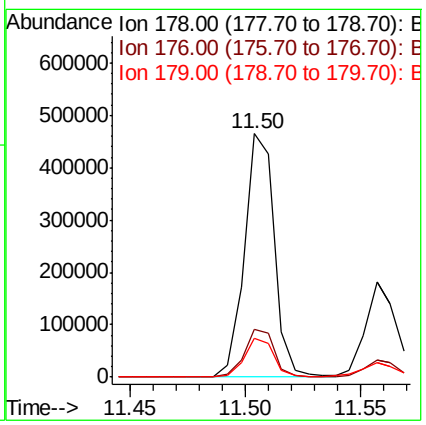


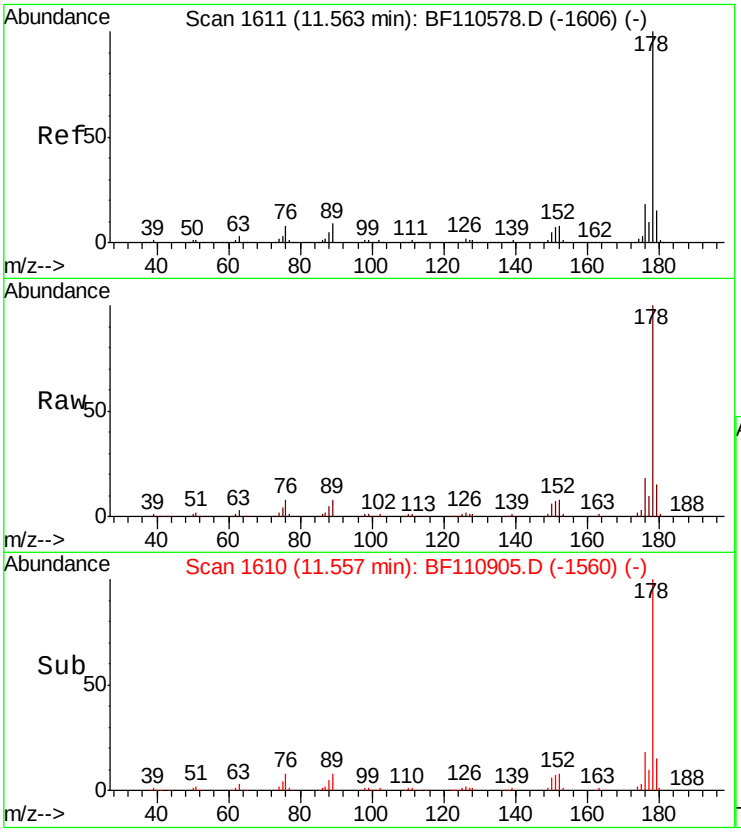


#71
Phenanthrene
Concen: 51.027 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:178 Resp: 424521

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.5	18.7



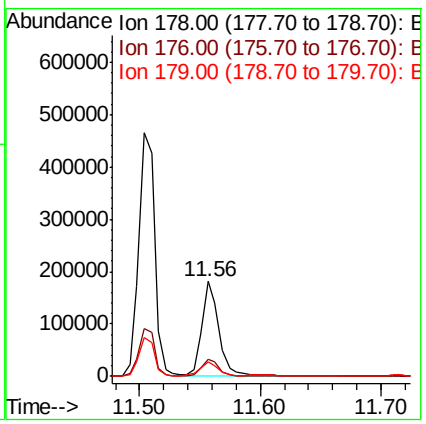


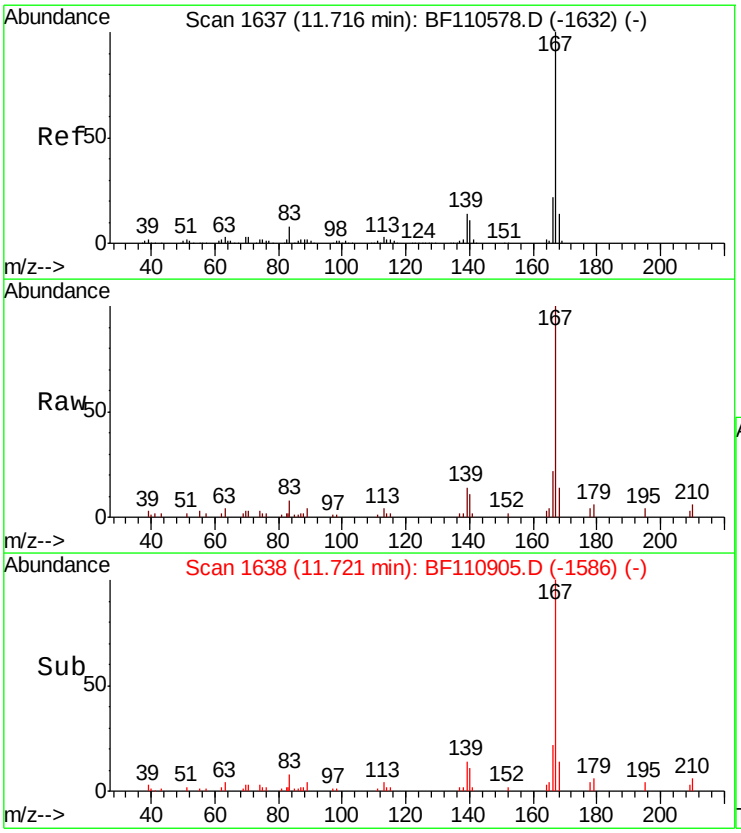
#72
Anthracene
Concen: 21.179 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:178 Resp: 177743

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.0	12.6	18.8

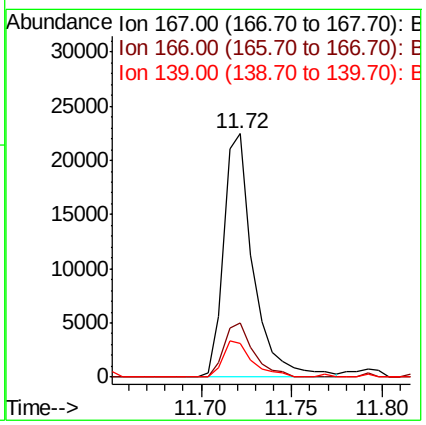


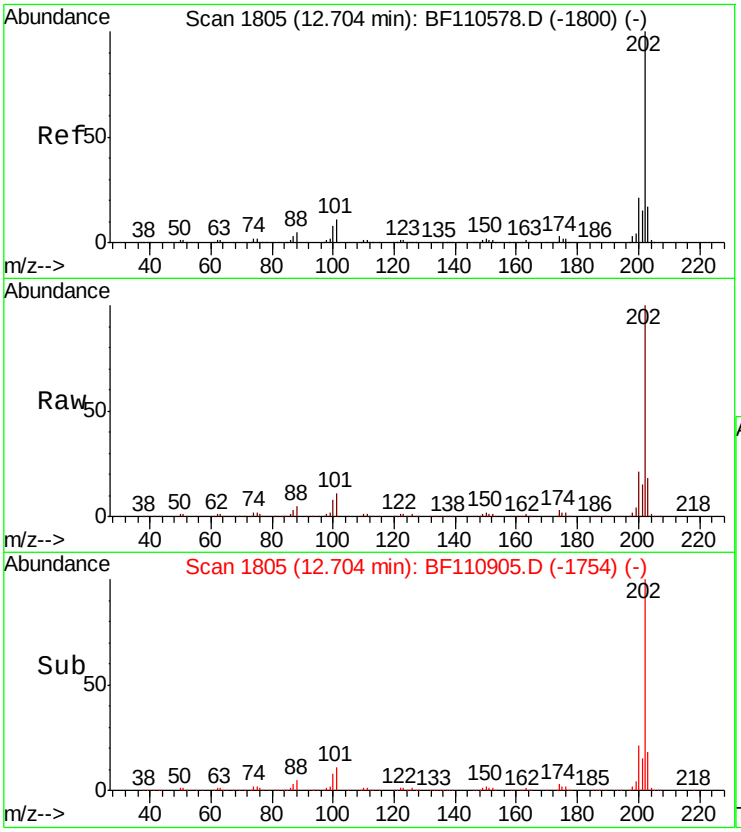


#73
Carbazole
Concen: 3.178 ng
RT: 11.72 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:167 Resp: 25611

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	13.6	10.9	16.3



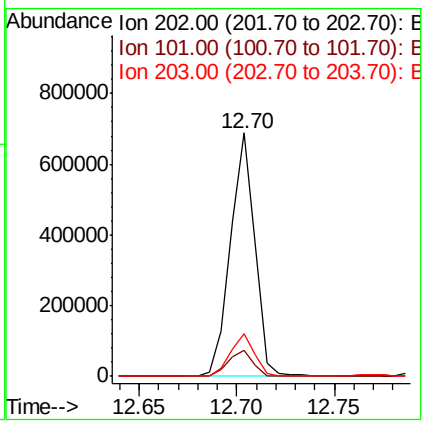


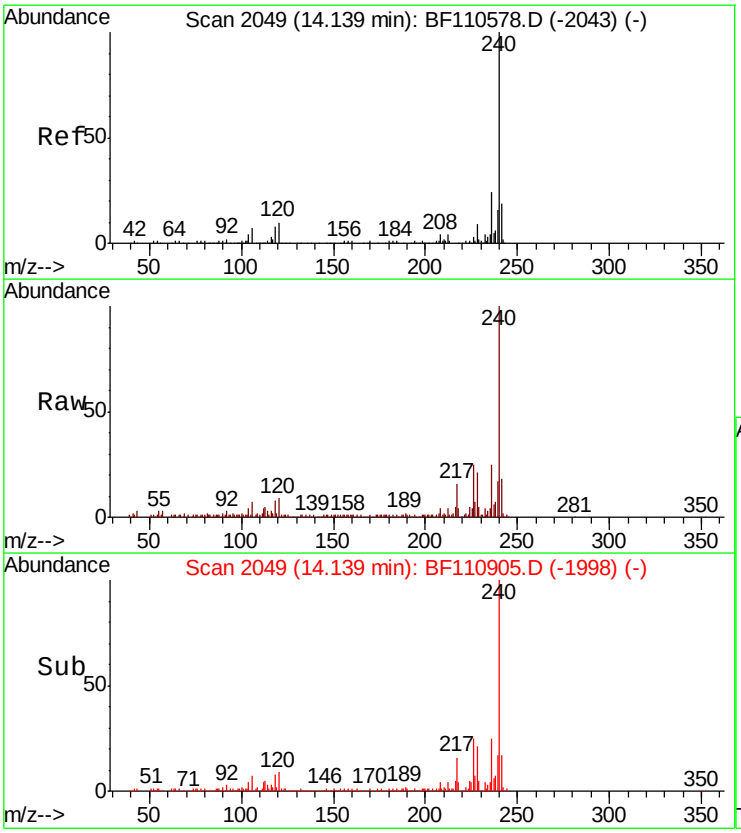
#75
Fluoranthene
Concen: 71.551 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:202 Resp: 596798

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.6	0.0	37.7

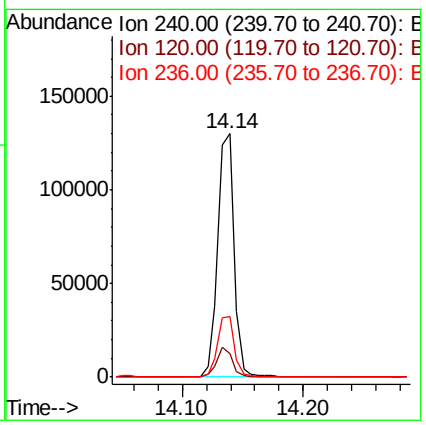


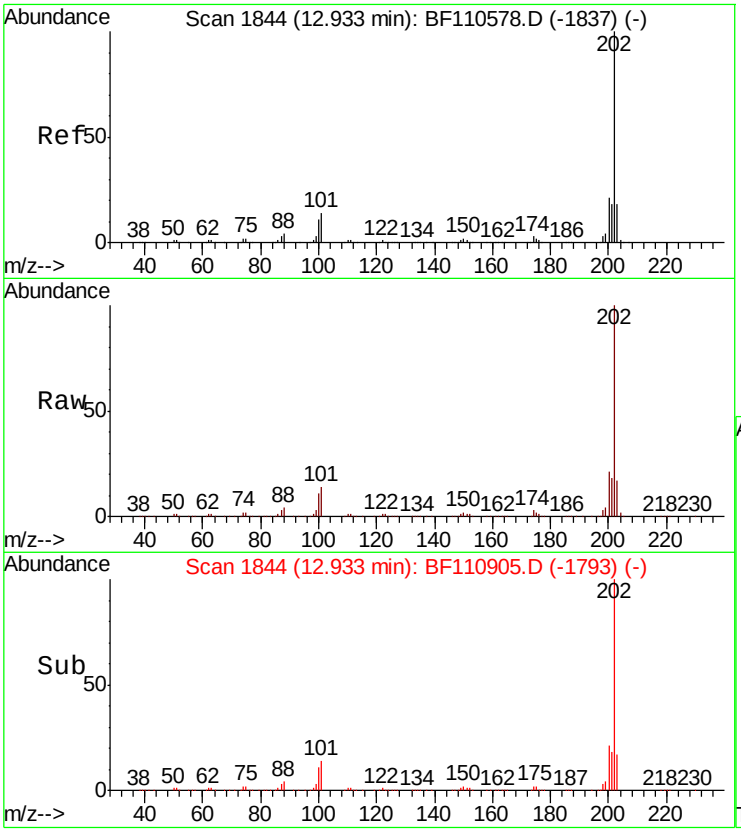


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:240 Resp: 121192

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.3	12.5
236	24.7	21.2	31.8



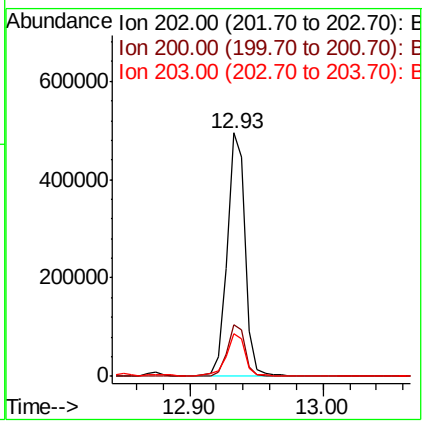


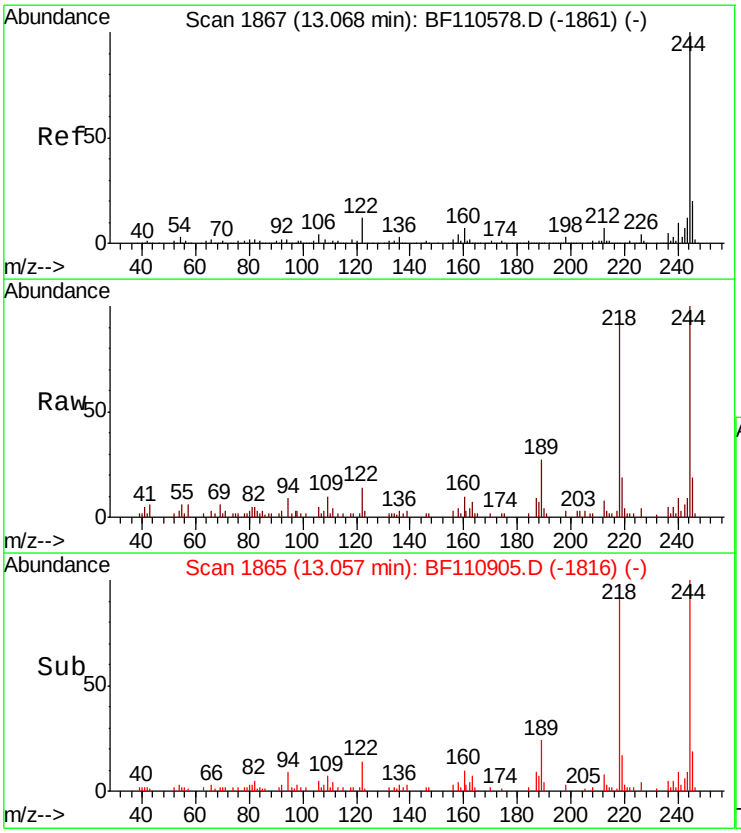
#78
Pyrene
Concen: 50.095 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:202 Resp: 467459

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.3	14.2	21.4

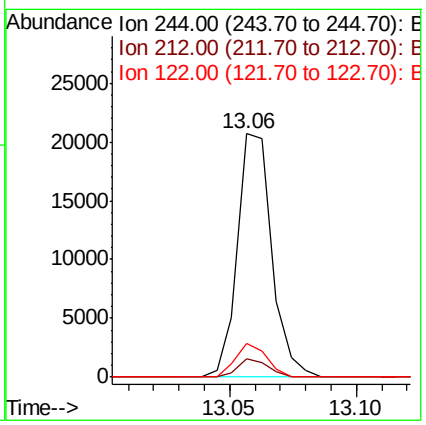


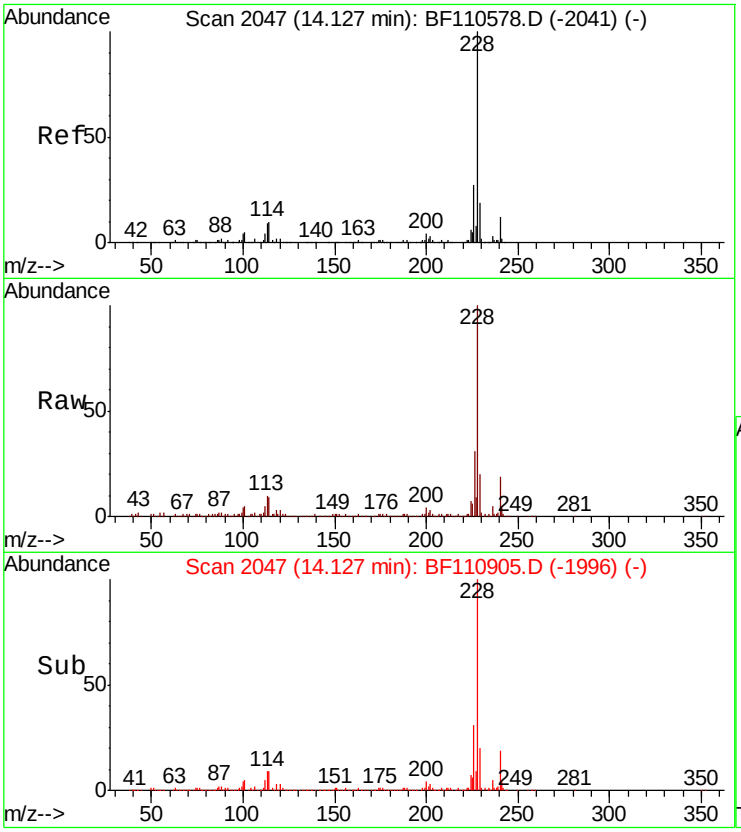


#79
Terphenyl-d14
Concen: 3.014 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:244 Resp: 19504

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	13.6	8.7	13.1#



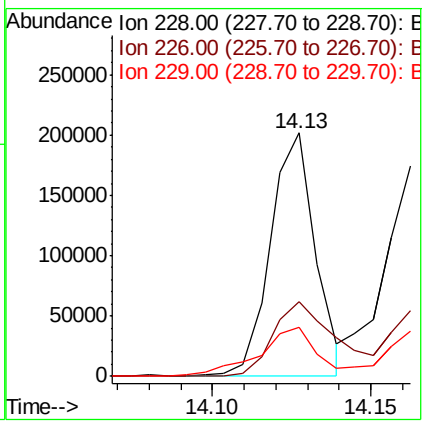


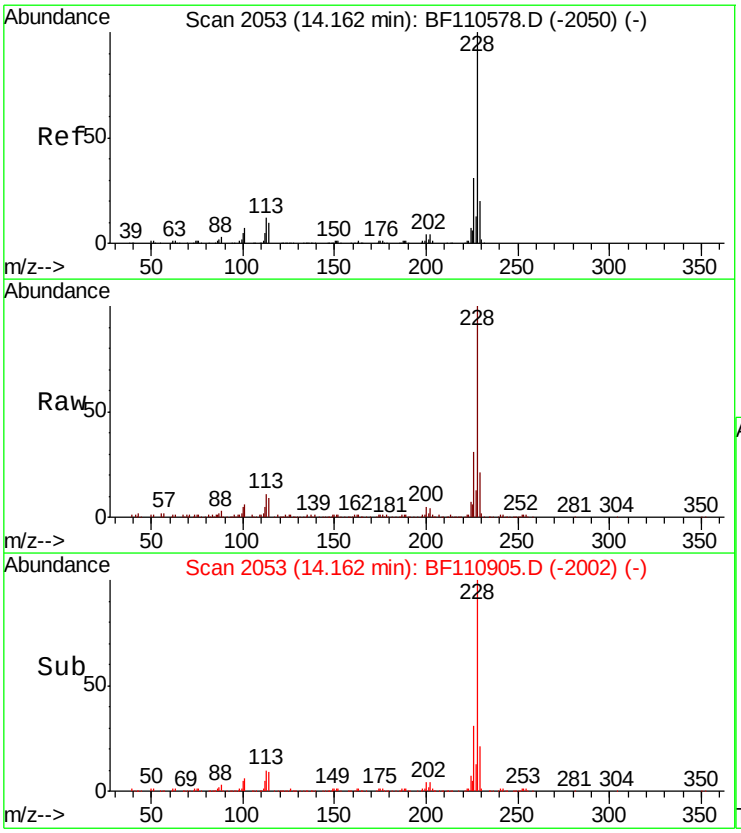
#81
Benzo(a)anthracene
Concen: 27.356 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:228 Resp: 198161

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.1	33.1
229	20.0	15.6	23.4

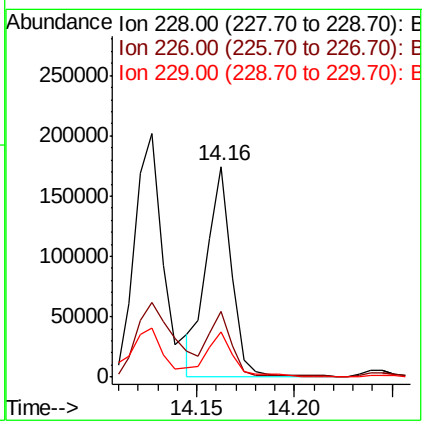


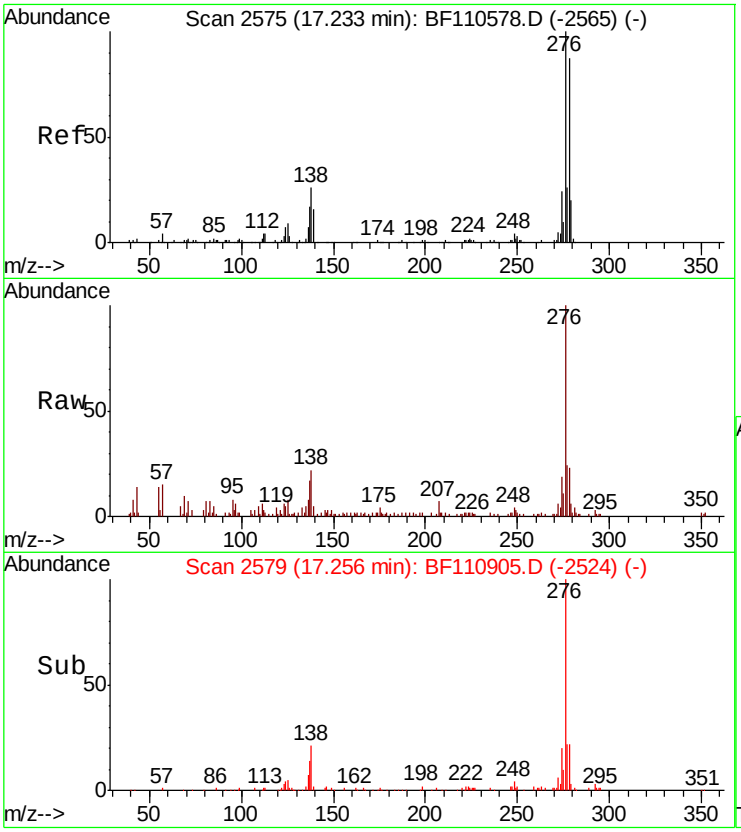


#83
Chrysene
Concen: 22.317 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:228 Resp: 154012

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.7	37.1
229	21.5	15.9	23.9



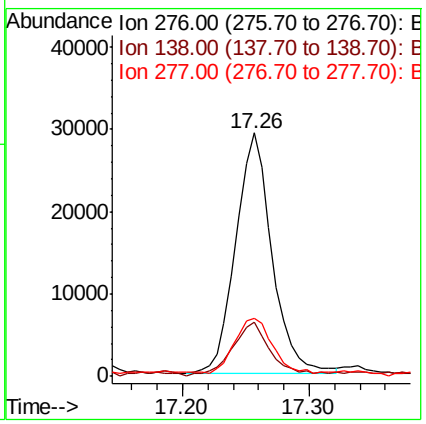


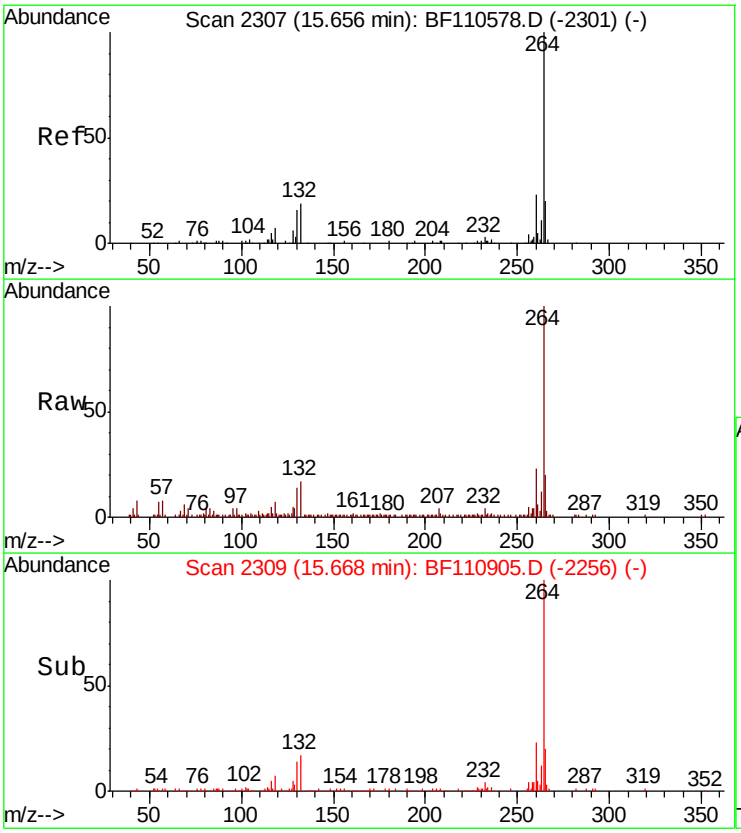
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.720 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.02 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:276 Resp: 58040

Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.5	27.7
277	22.6	20.0	30.0

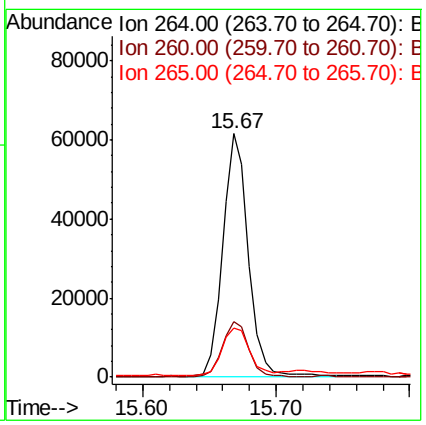


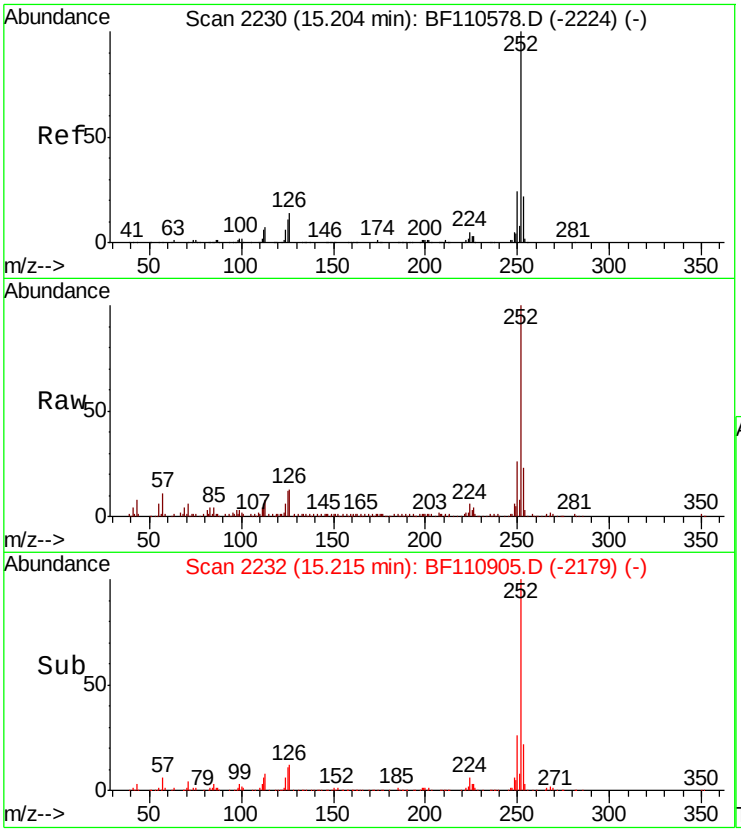


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:264 Resp: 83327

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	20.2	16.7	25.1



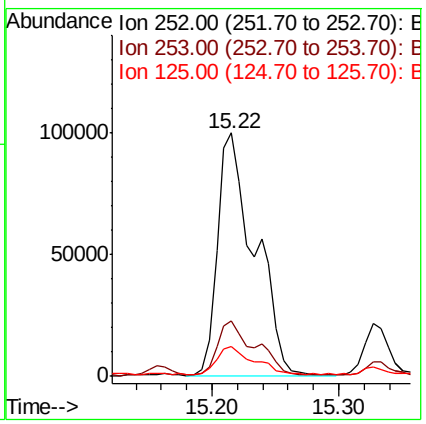


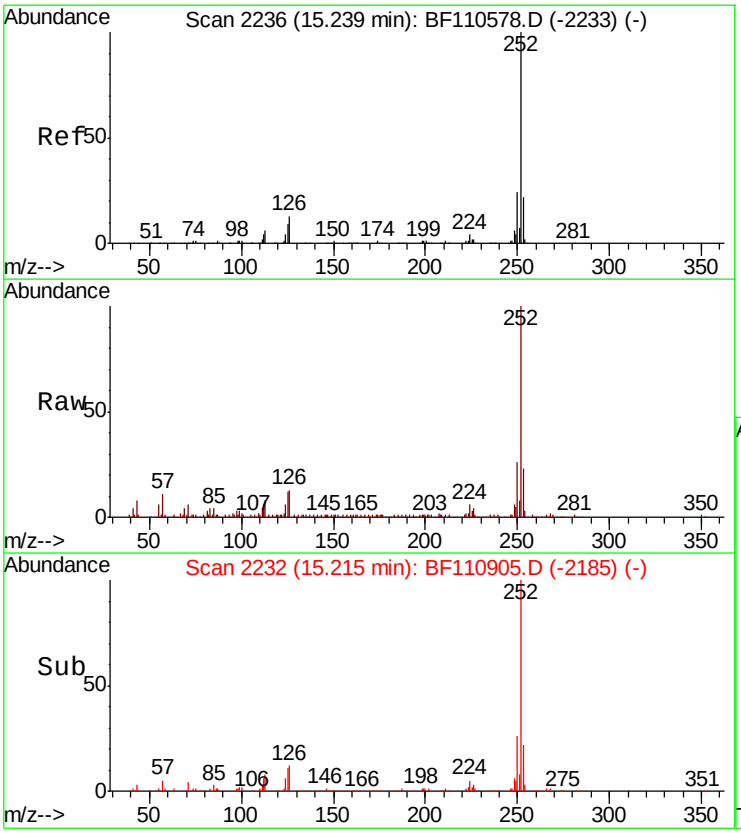
#88
Benzo(b)fluoranthene
Concen: 40.843 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:252 Resp: 203600

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.3	8.2	12.4

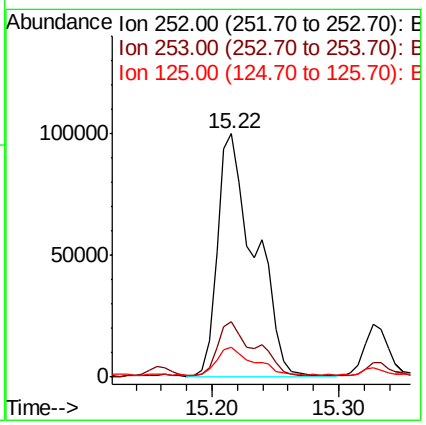


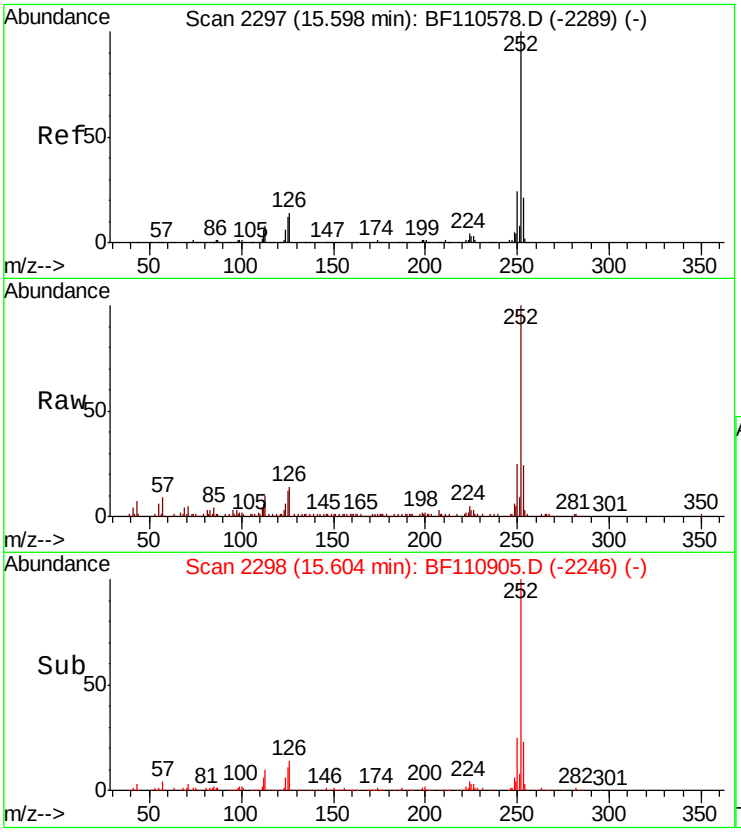


#89
Benzo(k)fluoranthene
Concen: 41.335 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:252 Resp: 203600

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.3	7.4	11.0#



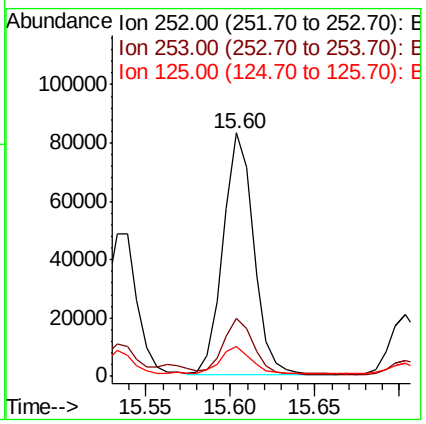


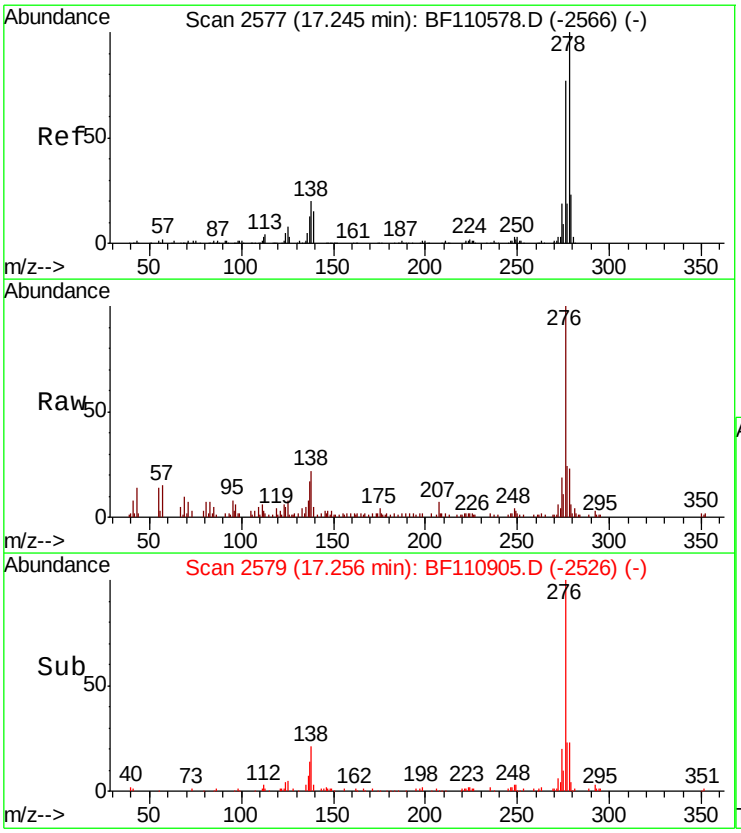
#90
Benzo(a)pyrene
Concen: 23.315 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:252 Resp: 105598

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	12.1	9.0	13.6

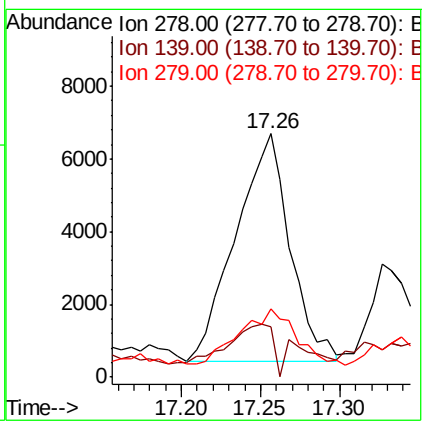


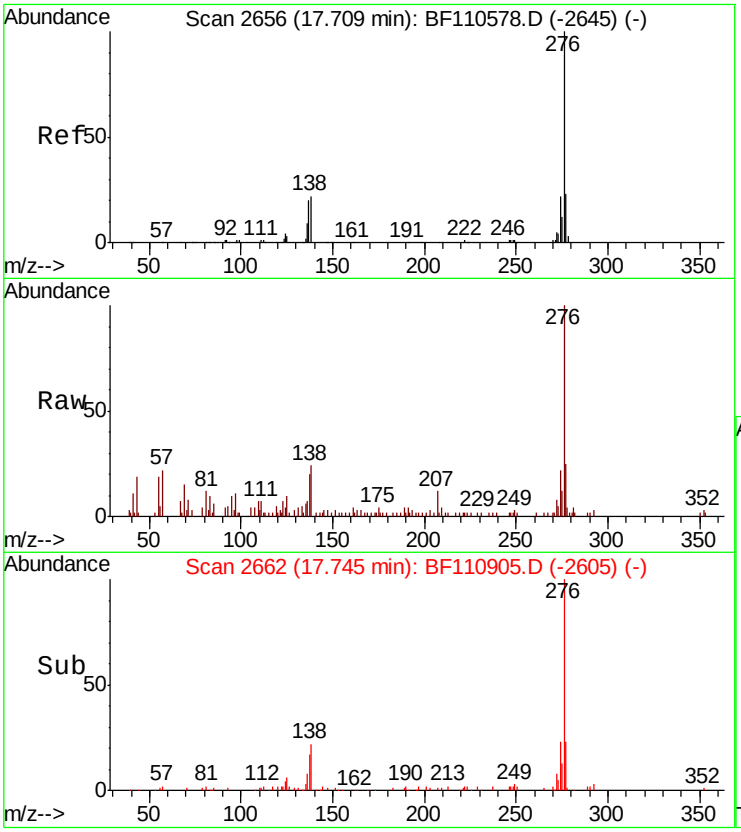


#91
Dibenzo(a,h)anthracene
Concen: 3.898 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Tgt Ion:278 Resp: 14939

Ion	Ratio	Lower	Upper
278	100		
139	20.7	12.7	19.1#
279	28.2	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 12.874 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.04 min
Lab File: BF110905.D
Acq: 20 Nov 2018 20:13

Instrument :
BNA_F
ClientSampleId :
DTW-02(11-13)DL

Tgt Ion:276 Resp: 48957

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	23.6	16.0	24.0