Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 26 02:07:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	189416	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	738352	20.00	ng		-0.01
38) Acenaphthene-d10	10.01	164	286389	20.00	ng		-0.01
63) Phenanthrene-d10	11.51	188	500314	20.00	ng		0.00
75) Chrysene-d12	14.16	240	382109	20.00	ng		0.00
86) Perylene-d12	15.70	264	328322	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	167865	14.25	ng		-0.01
7) Phenol-d6	6.60	99	241174	17.05	ng		-0.01
23) Nitrobenzene-d5	7.53	82	141311	12.92	ng		-0.02
41) 2,4,6-Tribromophenol	10.81	330	56143	17.24	ng		-0.01
44) 2-Fluorobiphenyl	9.32	172	306911	11.63	ng		-0.02
78) Terphenyl-d14	13.09	244	249540	16.72	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.60	77	773	Below Cal		#	1
25) Isophorone	7.53	82	141311	6.049	ng	#	64
50) 2,6-Dinitrotoluene	10.01	165	38422	8.966	ng	#	26
51) Acenaphthene	10.04	154	63647	3.546	ng		95
64) 4,6-Dinitro-2-methylphenol	10.87	198	259	8.769	ng	#	23
70) Phenanthrene	11.53	178	908097	37.247	ng		99
71) Anthracene	11.58	178	222811	9.077	ng		99
72) Carbazole	11.74	167	54403	2.131	ng		94
73) Di-n-butylphthalate	12.05	149	5596	Below Cal		#	57
74) Fluoranthene	12.73	202	1634090	62.460	ng		96
77) Pyrene	12.96	202	1482060	56.704	ng		97
80) Benzo(a)anthracene	14.15	228	678184	30.287	ng		98
81) 3,3'-Dichlorobenzidine	14.10	252	457	Below Cal		#	70
82) Chrysene	14.19	228	682802	31.743	ng		98
85) Indeno(1,2,3-cd)pyrene	17.28	276	245886	13.488	ng	#	89
87) Benzo(b)fluoranthene	15.24	252	904886	50.359	ng		98
88) Benzo(k)fluoranthene	15.24	252	904886	51.401	ng		98
89) Benzo(a)pyrene	15.63	252	445447	27.101	ng		96
90) Dibenzo(a,h)anthracene	17.47	278	52959	3.727	ng		95
91) Benzo(g,h,i)perylene	17.76	276	250257	17.857	ng		92

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

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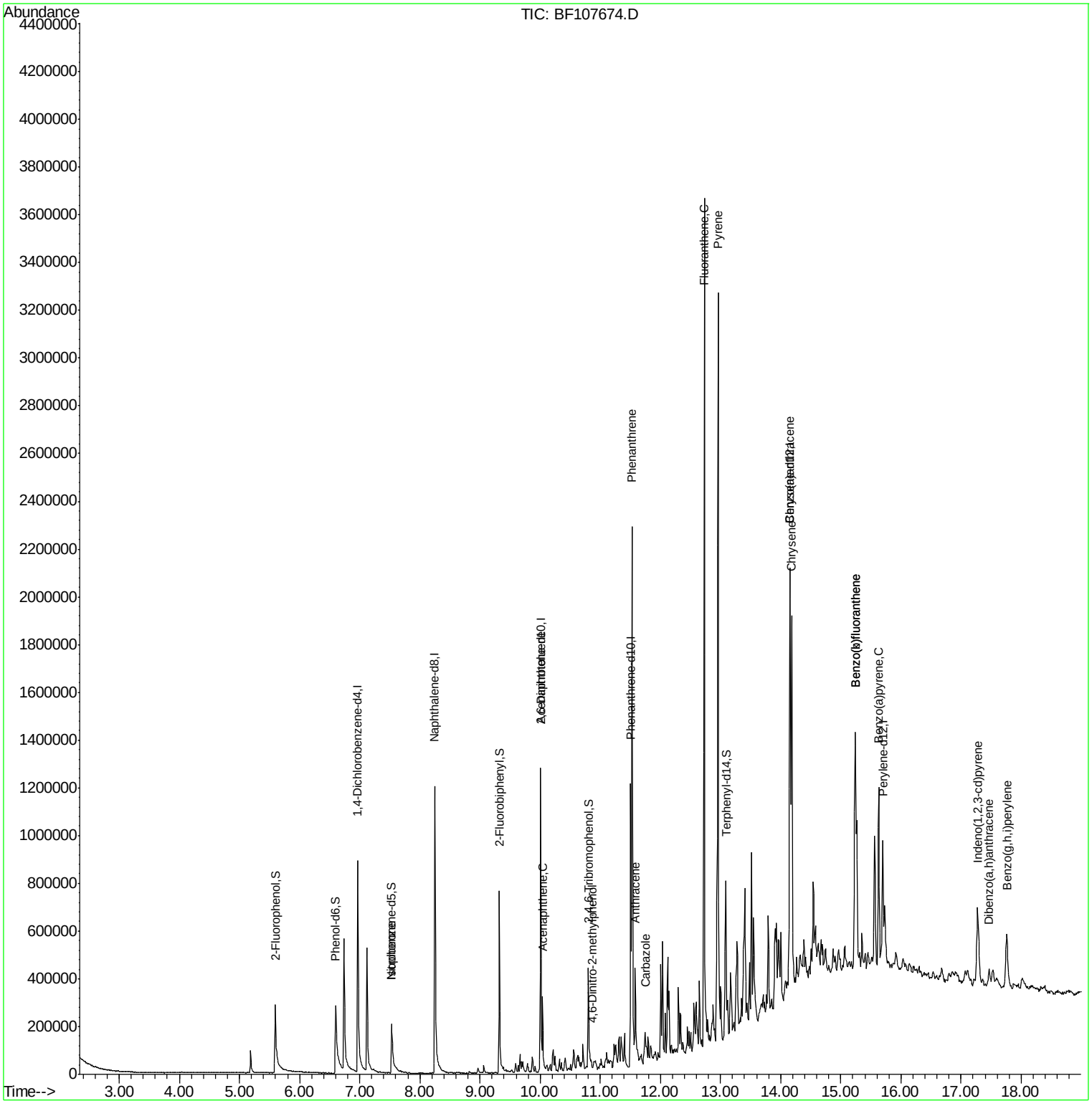
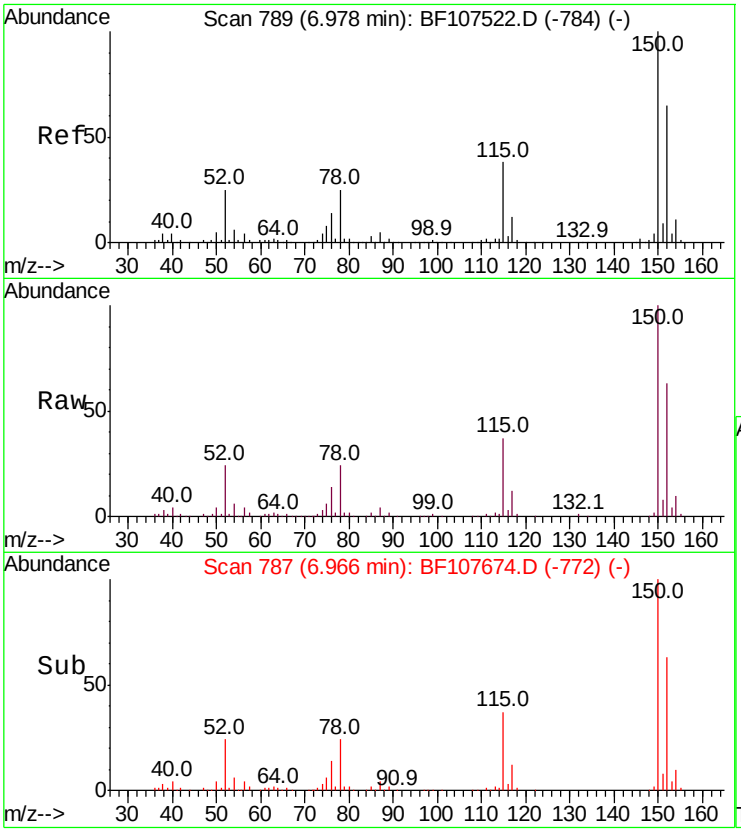


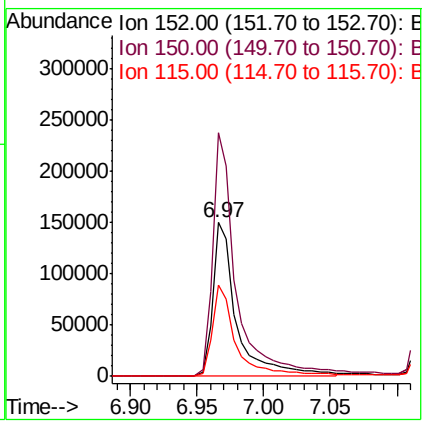


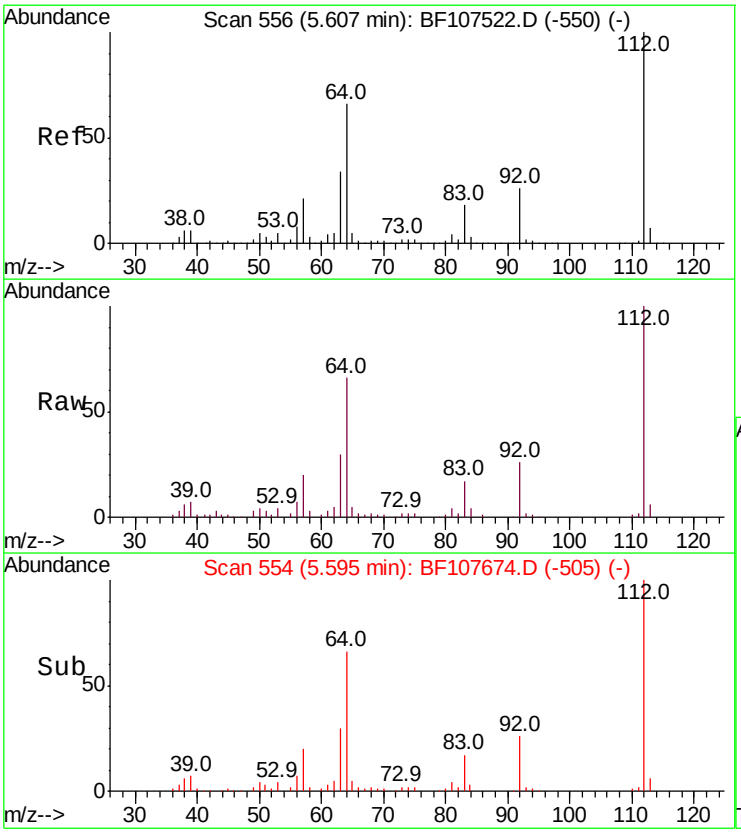
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 189416

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	59.2	50.1	75.1

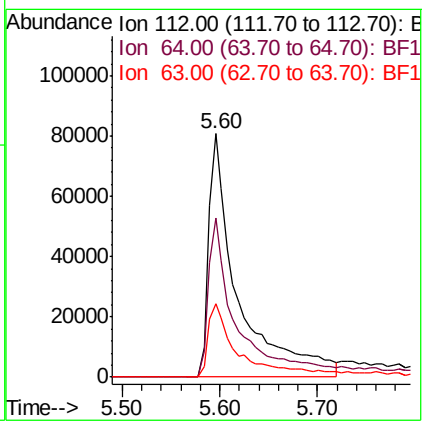


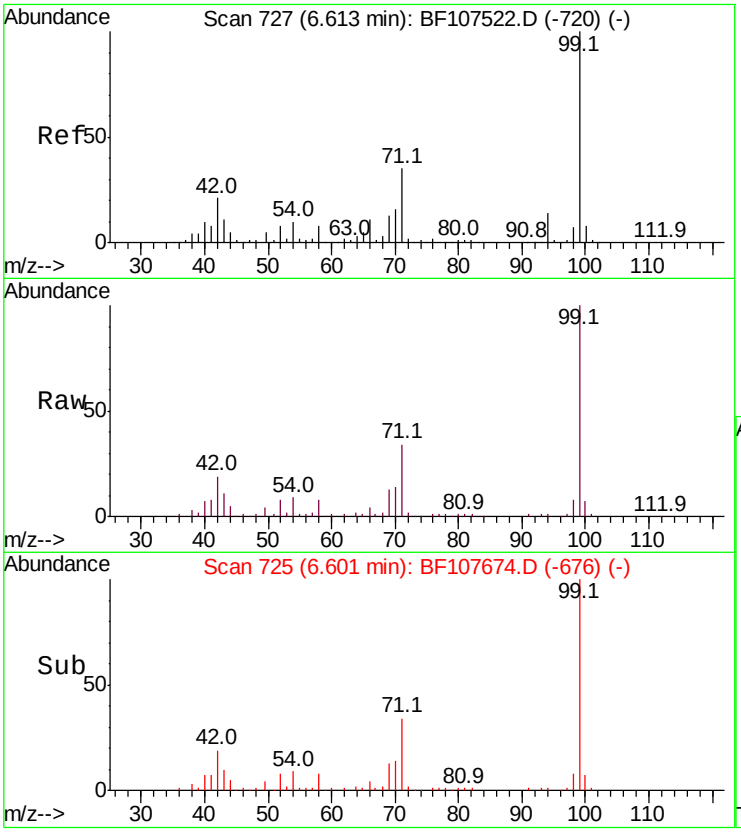


#5
2-Fluorophenol
Concen: 14.249 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:112 Resp: 167865

Ion	Ratio	Lower	Upper
112	100		
64	65.6	47.9	71.9
63	30.1	23.7	35.5



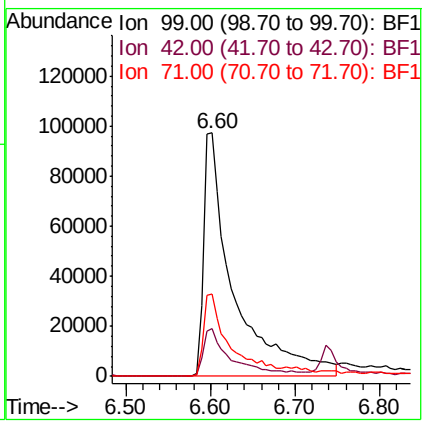


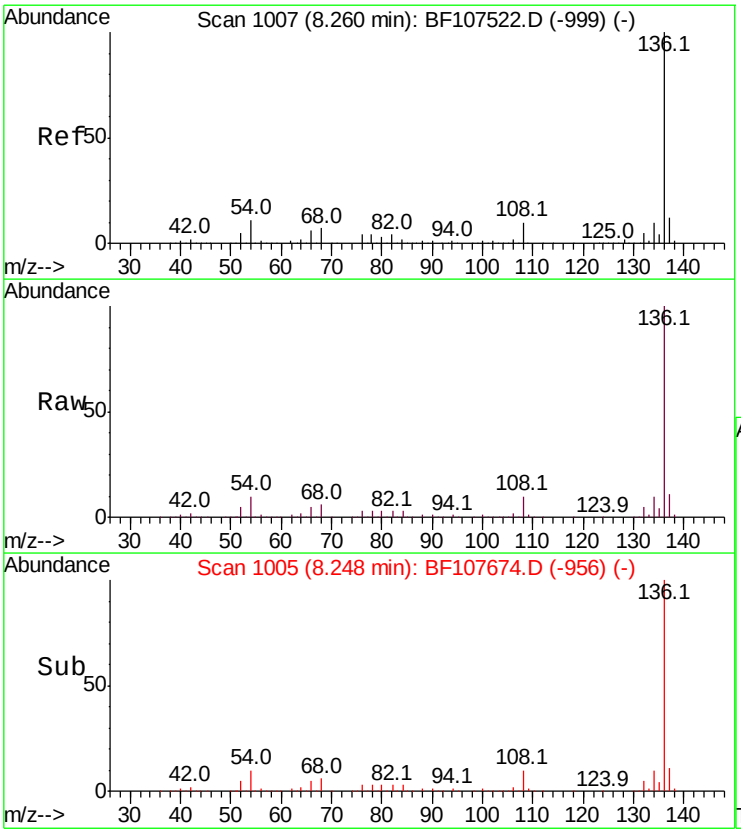
#7
Phenol-d6
Concen: 17.049 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 241174

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.9	25.4	38.0

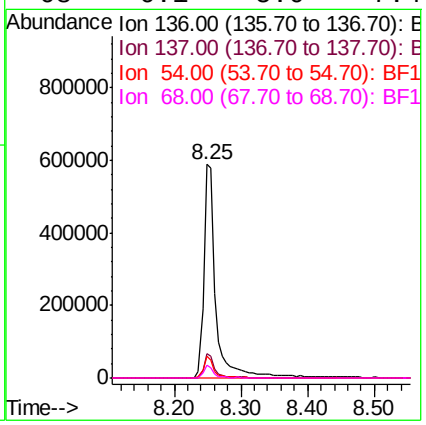


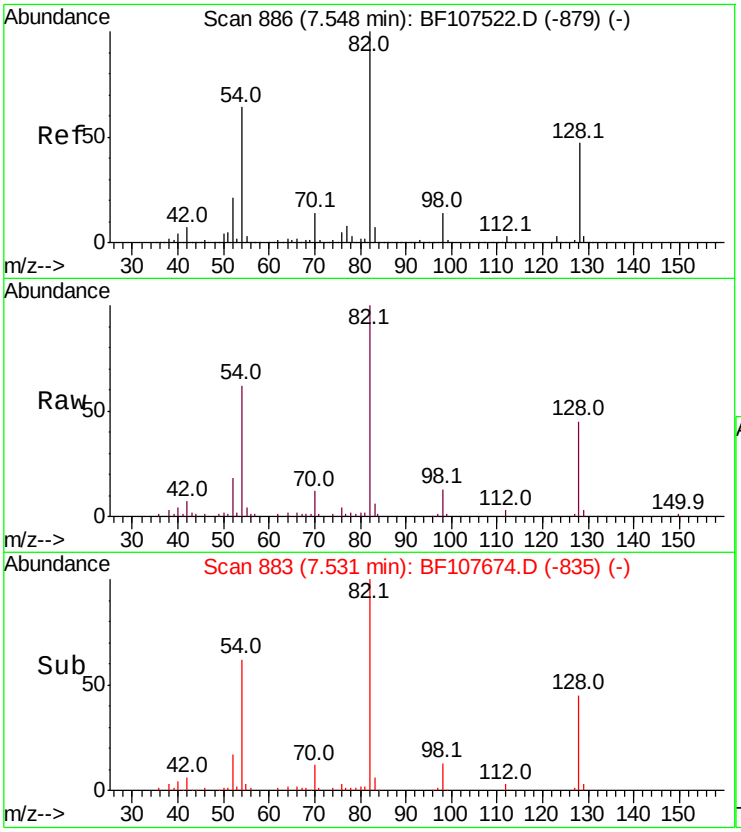


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:136 Resp: 738352

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.2	6.6	9.8#
68	6.1	5.0	7.4



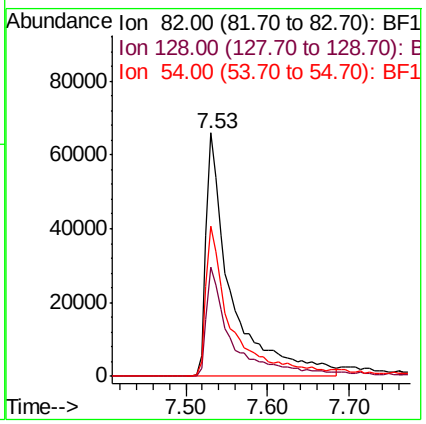


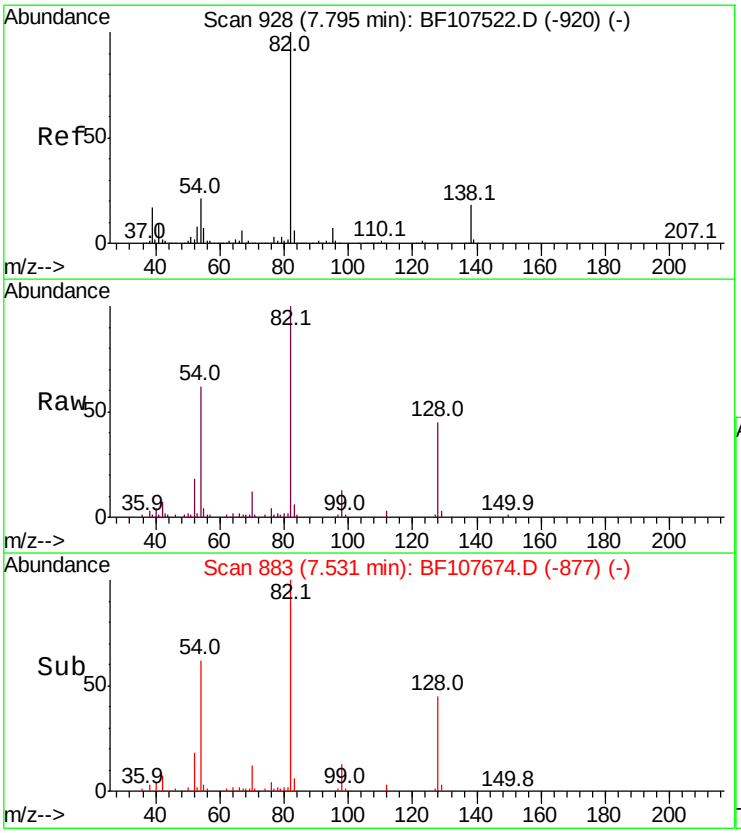
#23
Nitrobenzene-d5
Concen: 12.916 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 141311

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	61.9	41.4	62.2

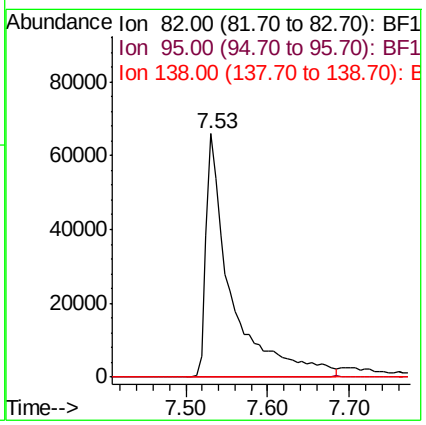


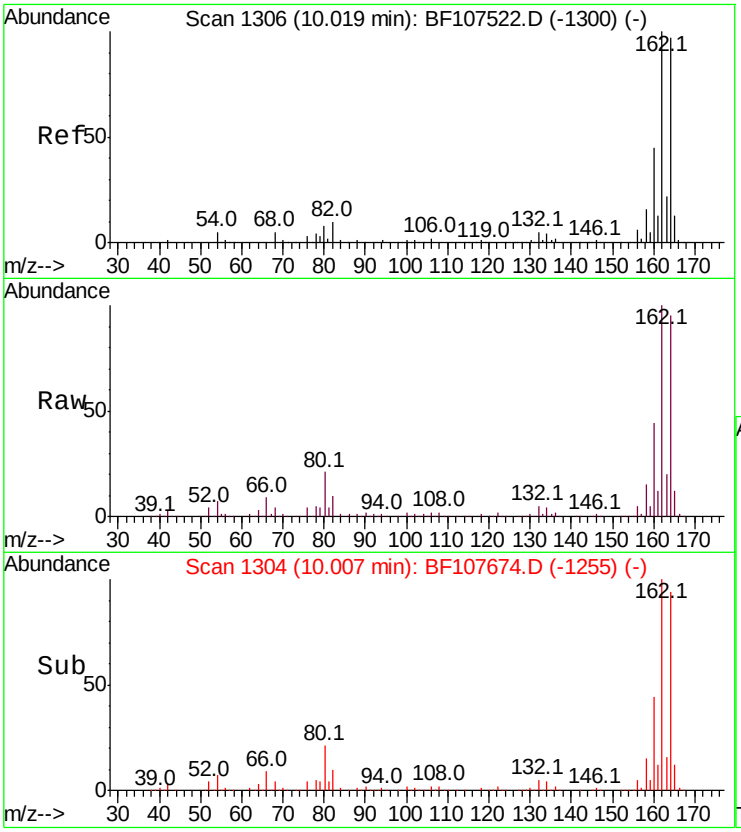


#25
Isophorone
Concen: 6.049 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion: 82 Resp: 141311

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



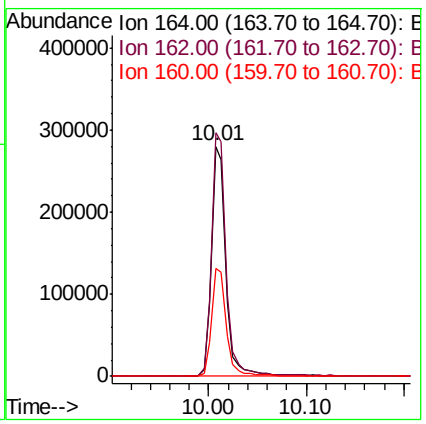


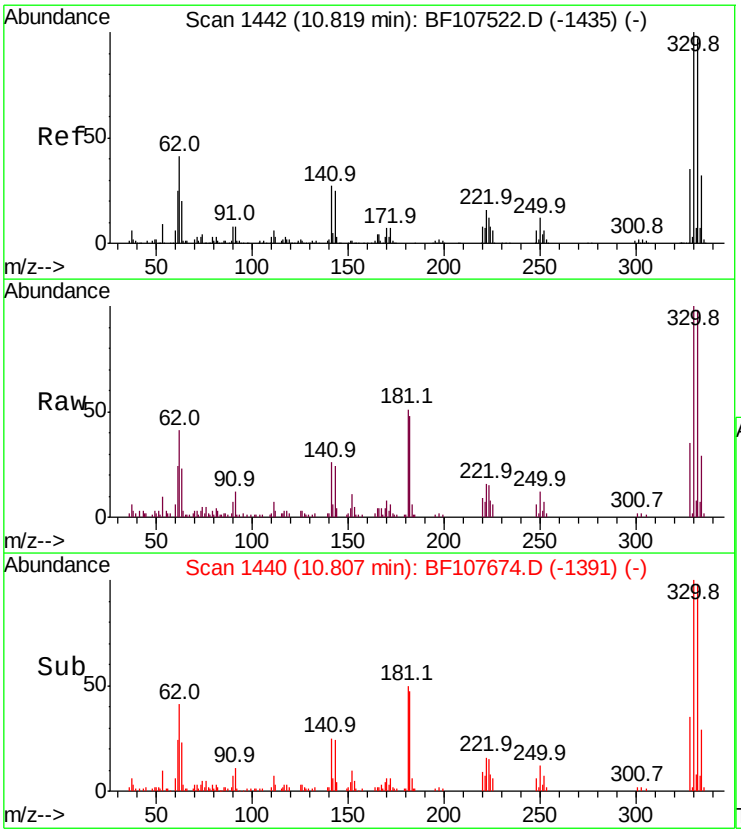
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 286389

Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	46.8	38.3	57.5

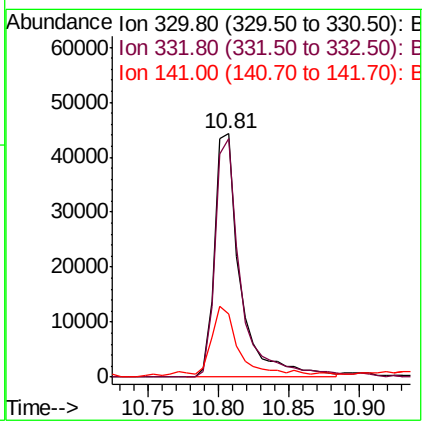


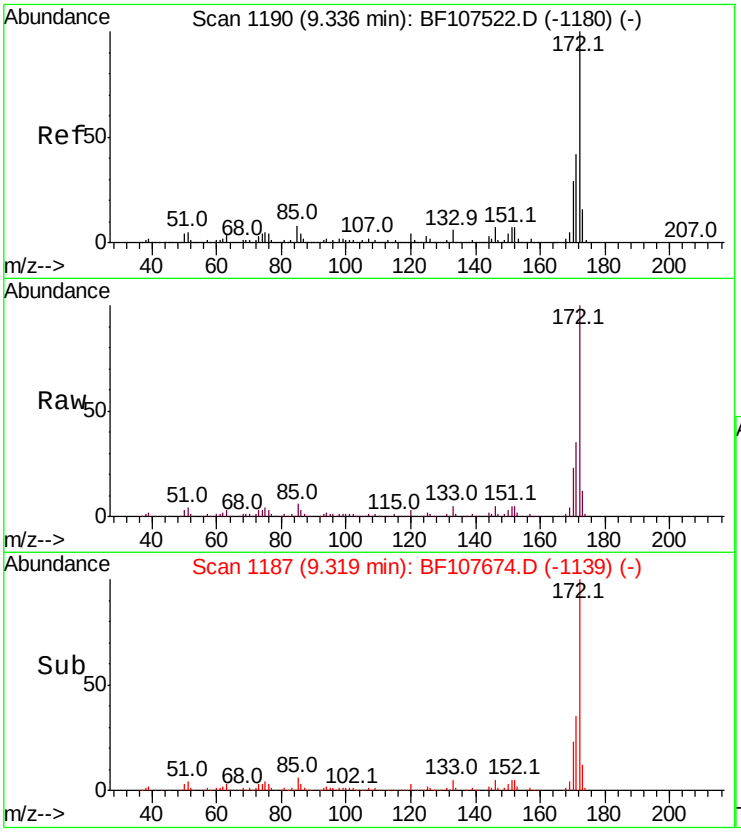


#41
2,4,6-Tribromophenol
Concen: 17.239 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:330 Resp: 56143

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	34.8	29.9	44.9



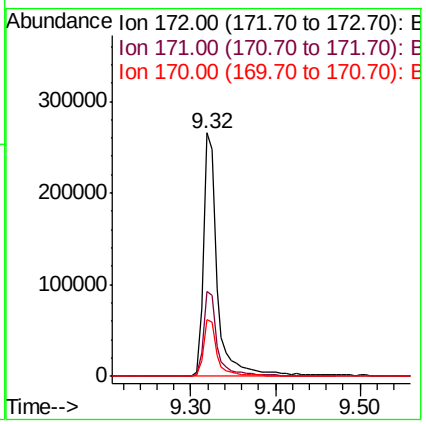


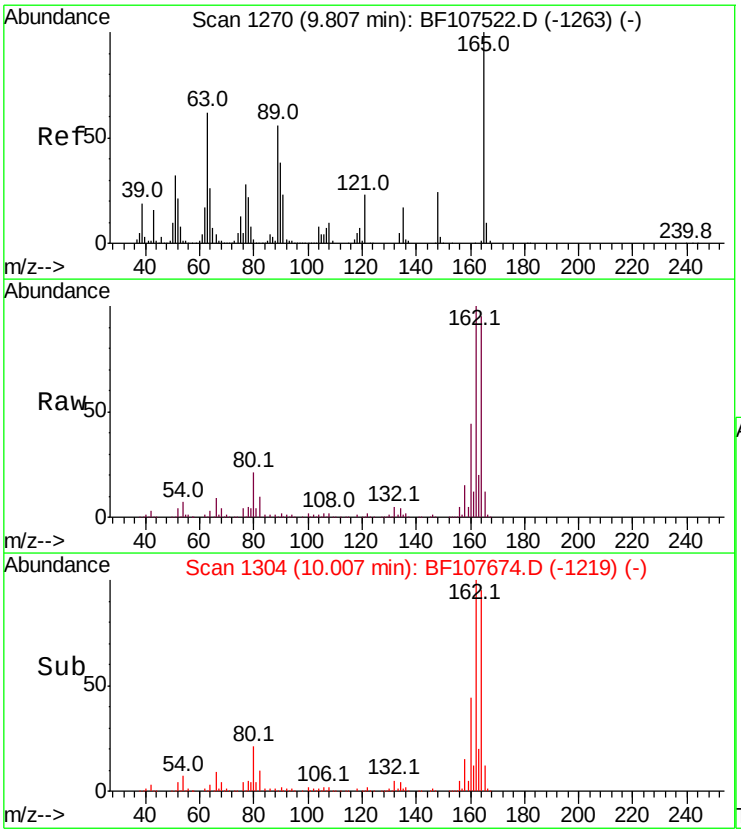
#44
2-Fluorobiphenyl
Concen: 11.629 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 306911

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.2	19.6	29.4

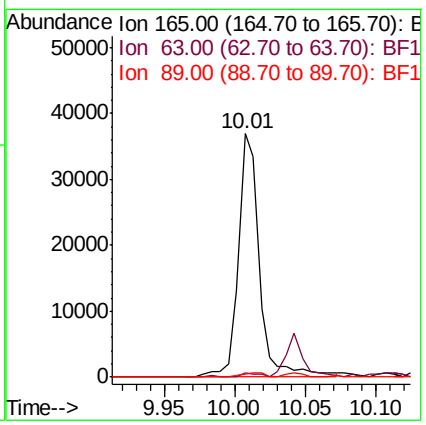


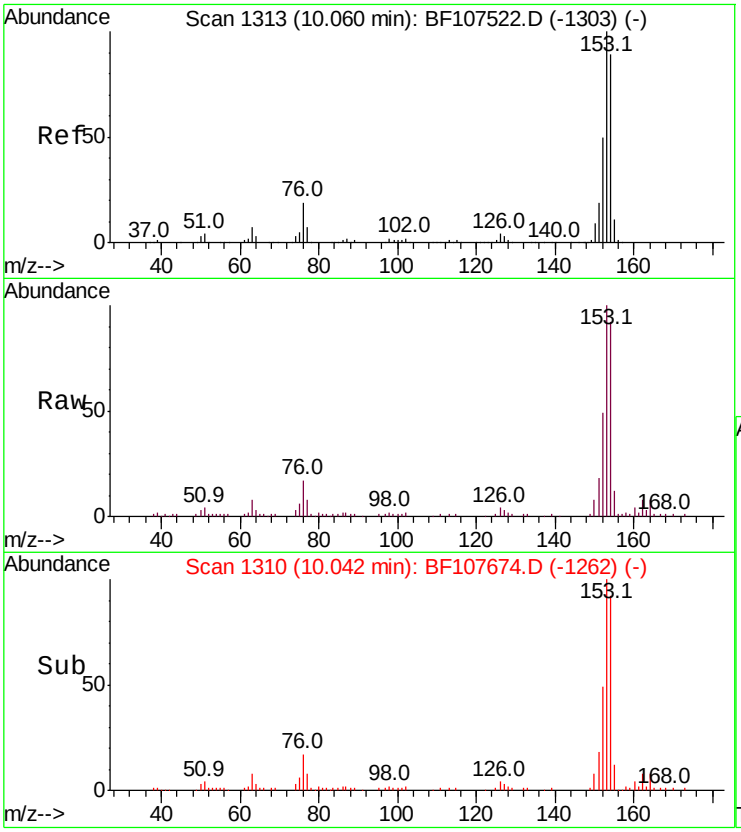


#50
2,6-Dinitrotoluene
Concen: 8.966 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:165 Resp: 38422

Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



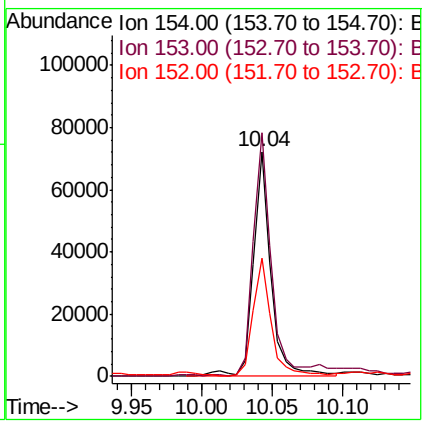


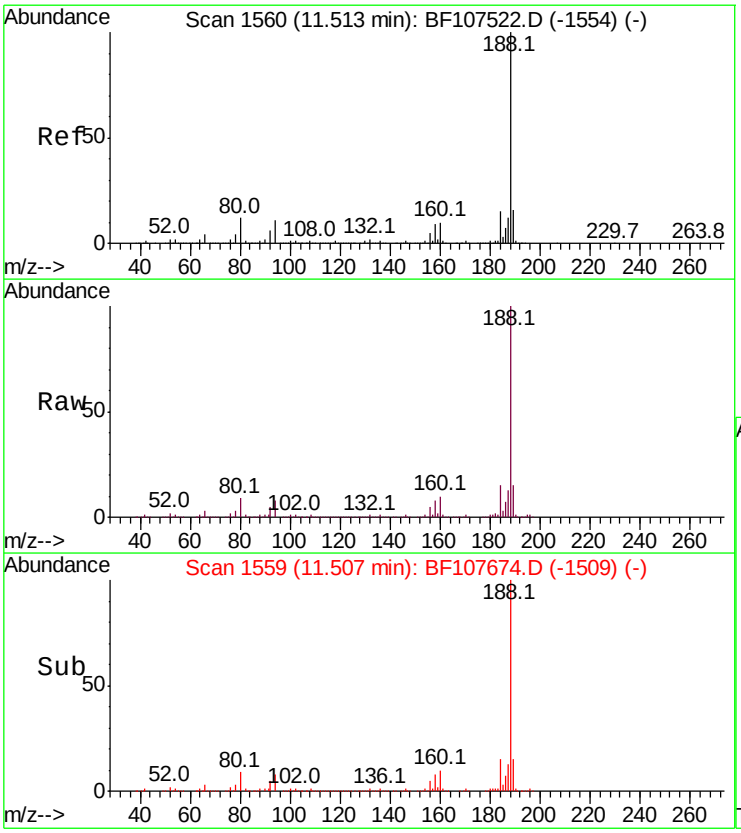
#51
Acenaphthene
Concen: 3.546 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 63647

Ion	Ratio	Lower	Upper
154	100		
153	108.3	91.2	136.8
152	52.7	43.8	65.8

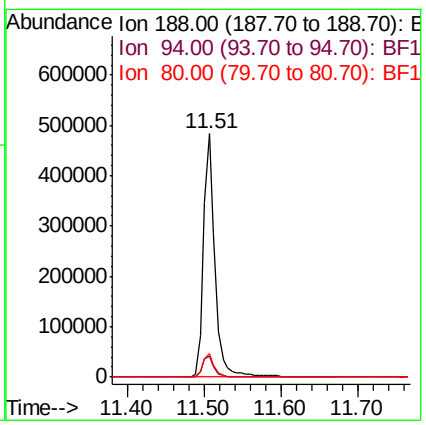


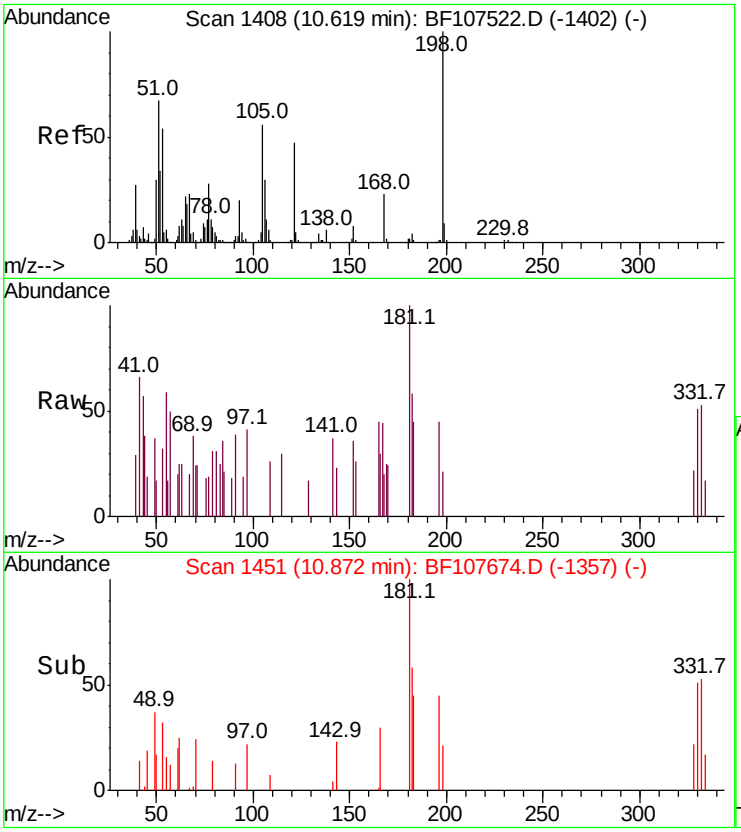


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:188 Resp: 500314

Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.4	9.2	13.8



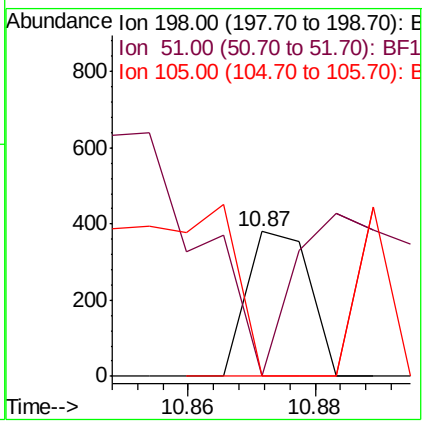


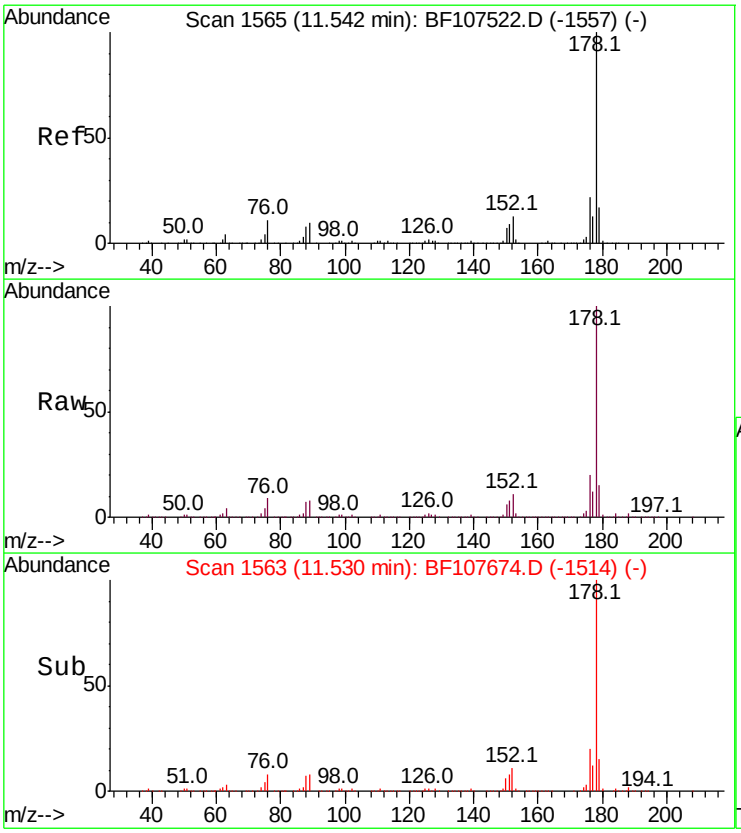
#64
4,6-Dinitro-2-methylphenol
Concen: 8.769 ng
RT: 10.87 min Scan# 1451
Delta R.T. 0.25 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 259

Ion	Ratio	Lower	Upper
198	100		
51	0.0	37.7	77.7#
105	0.0	36.3	76.3#

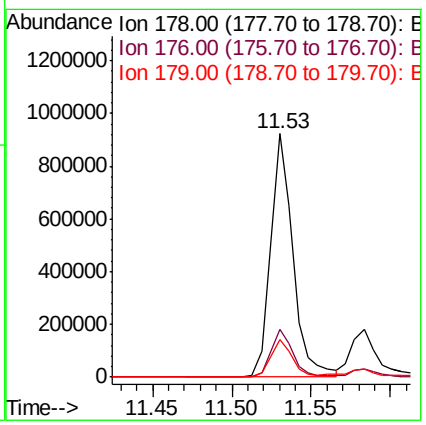


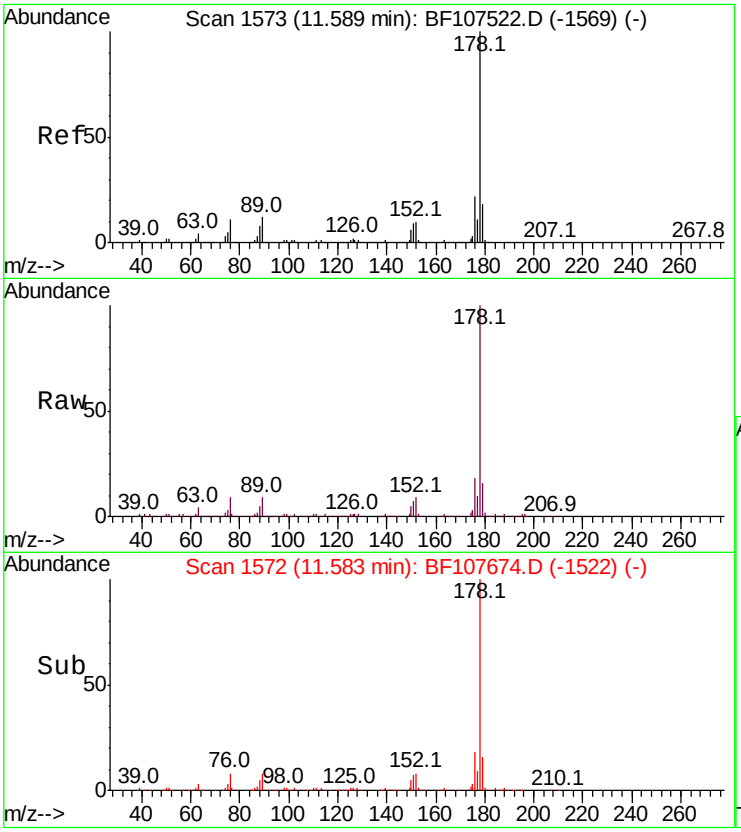


#70
Phenanthrene
Concen: 37.247 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:178 Resp: 908097

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6



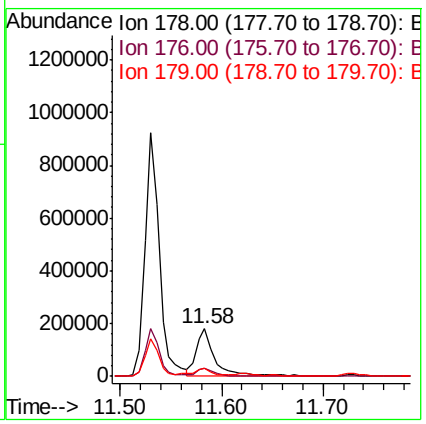


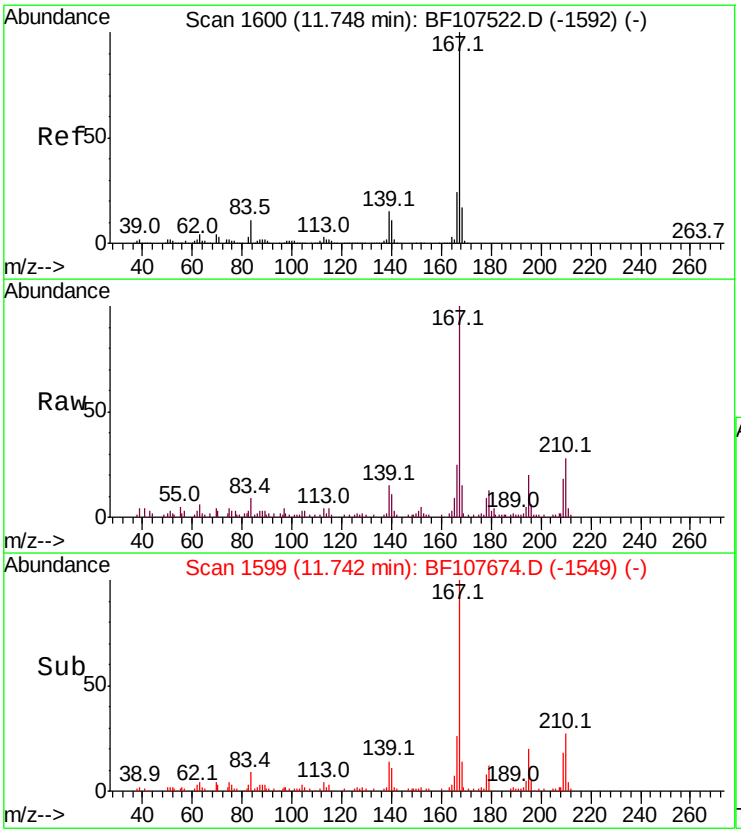
#71
Anthracene
Concen: 9.077 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 222811

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.9	12.6	19.0

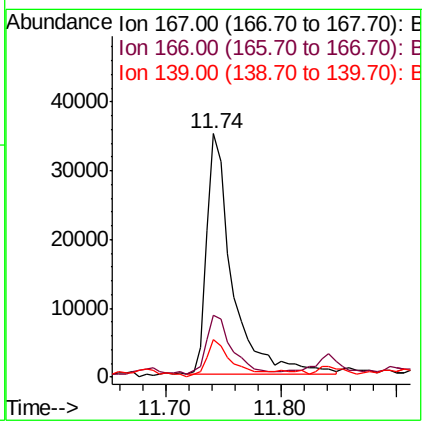


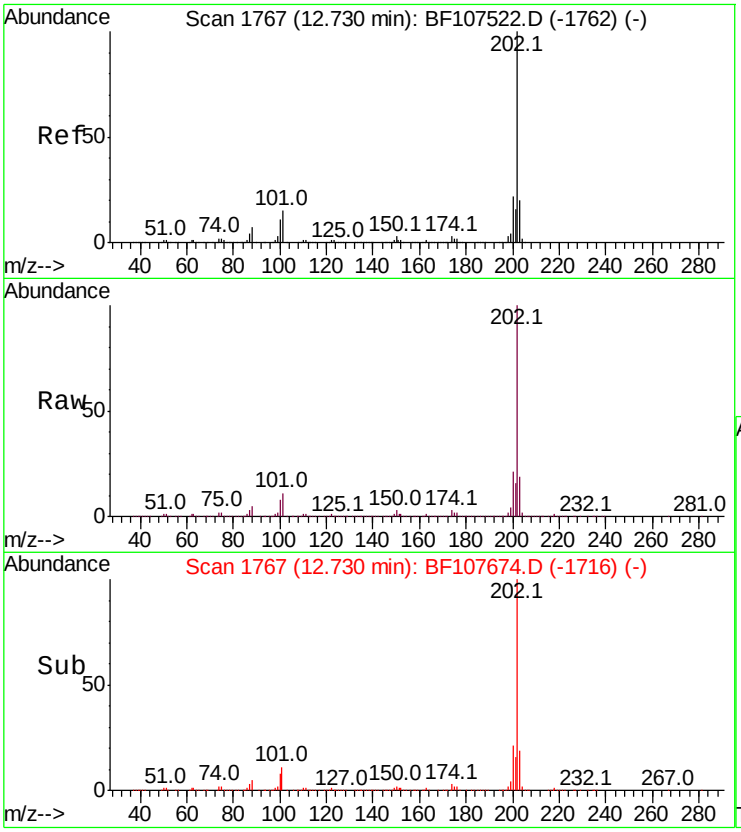


#72
Carbazole
Concen: 2.131 ng
RT: 11.74 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:167 Resp: 54403

Ion	Ratio	Lower	Upper
167	100		
166	25.5	17.6	26.4
139	15.3	10.9	16.3



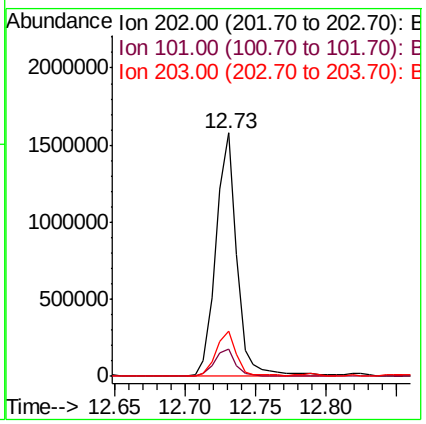


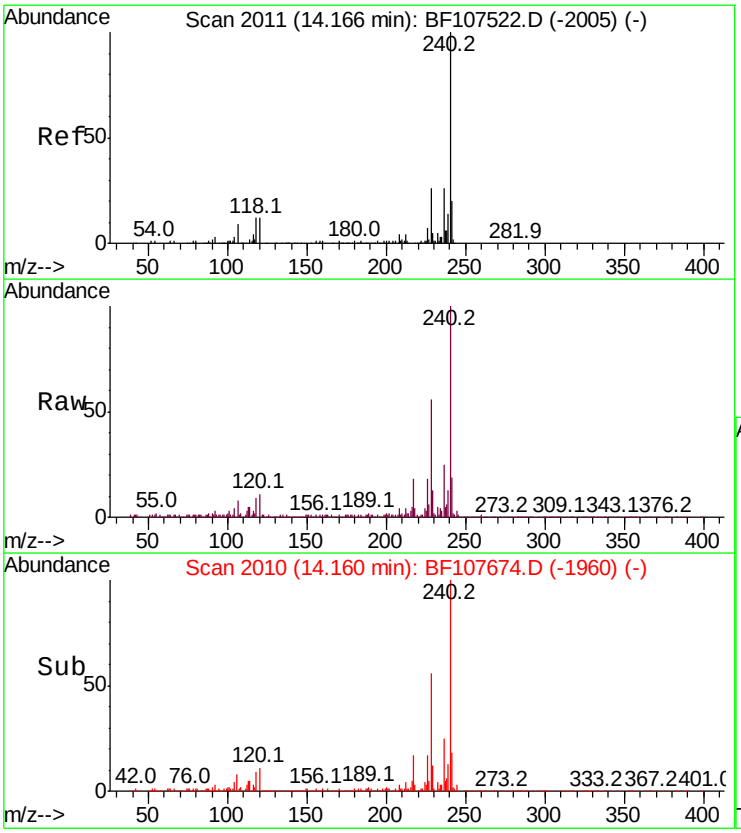
#74
Fluoranthene
Concen: 62.460 ng
RT: 12.73 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1634090

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	18.6	0.0	38.1

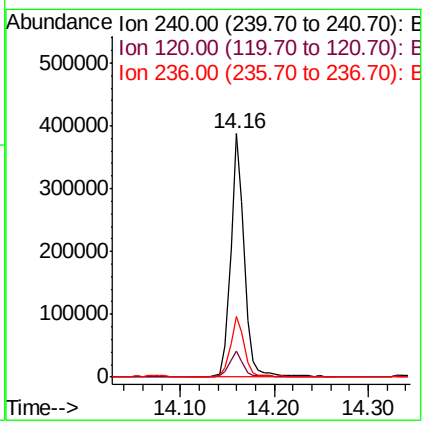


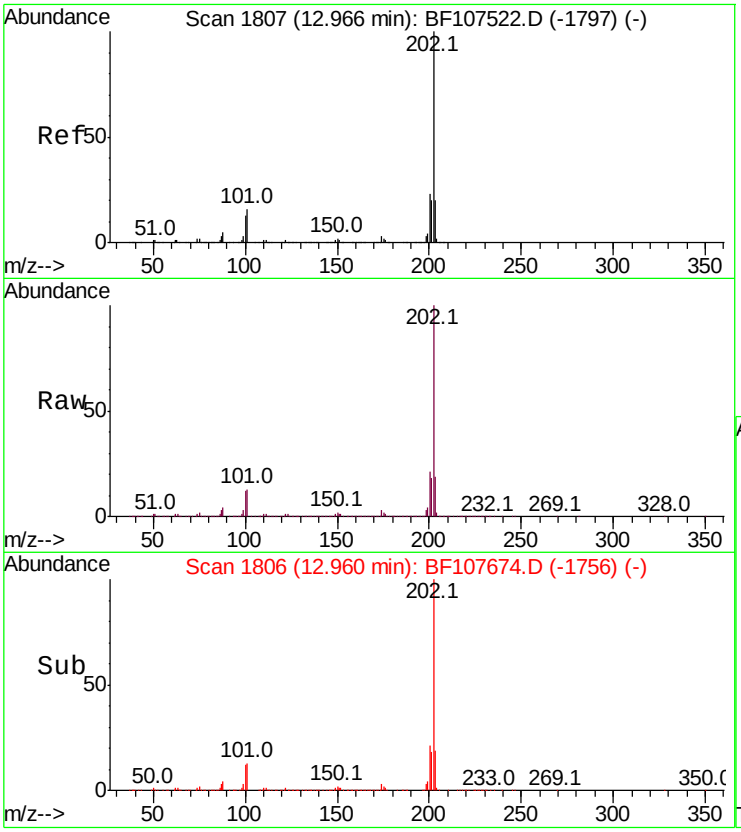


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:240 Resp: 382109

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	24.9	20.7	31.1



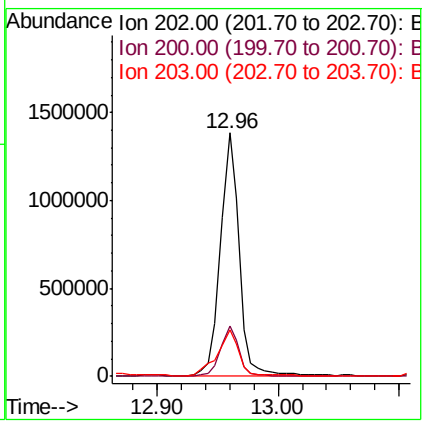


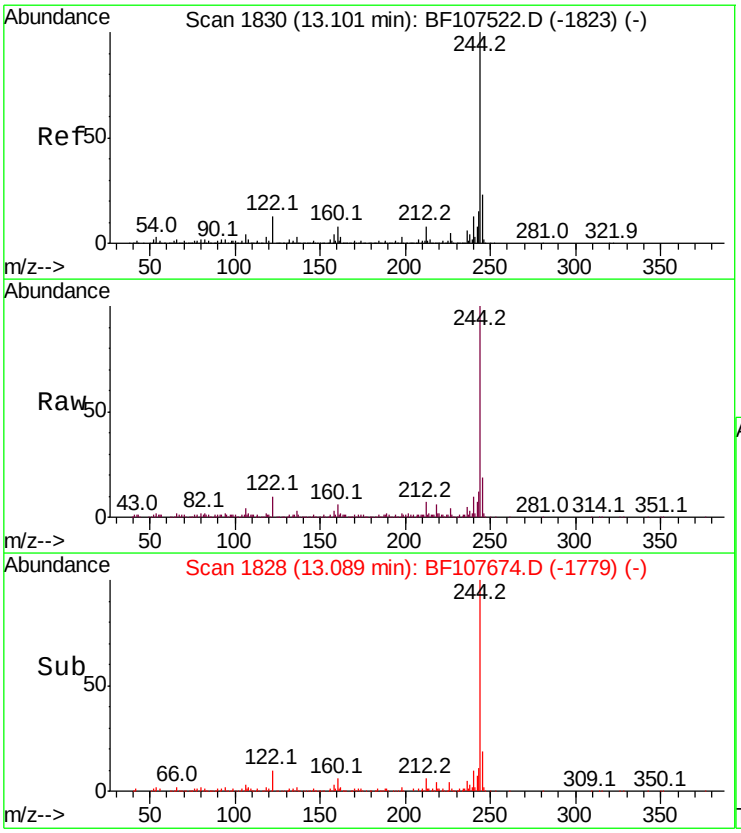
#77
Pyrene
Concen: 56.704 ng
RT: 12.96 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1482060

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	19.0	14.3	21.5

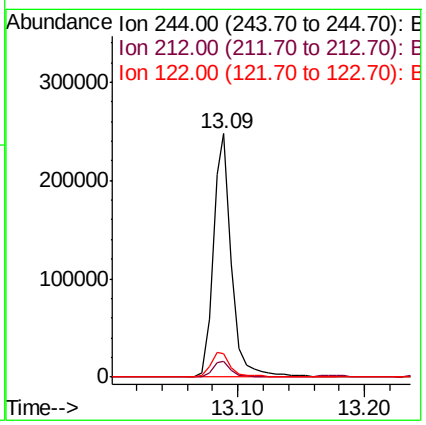


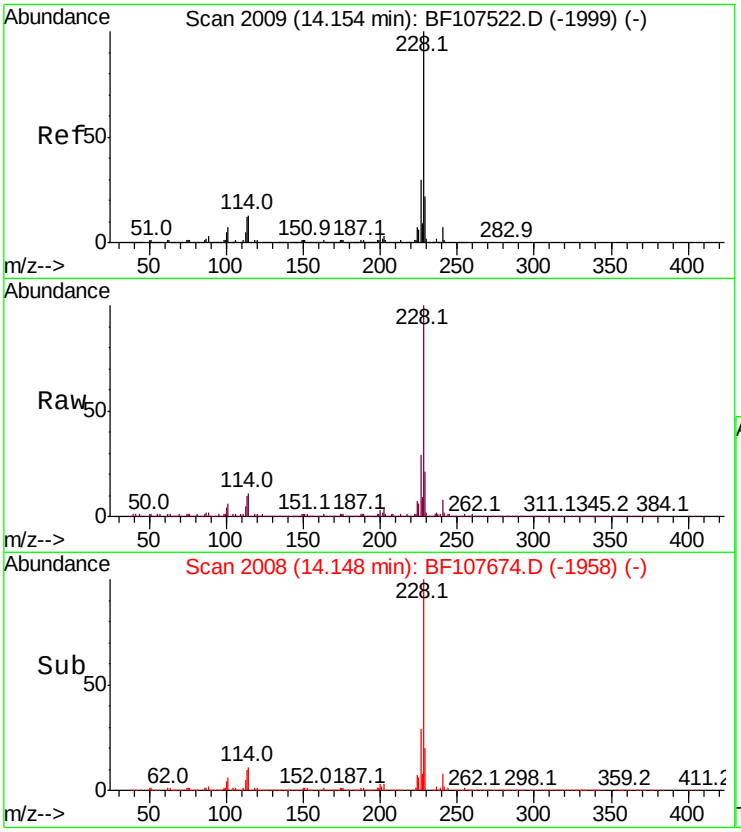


#78
Terphenyl-d14
Concen: 16.719 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:244 Resp: 249540

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.7	11.0	16.4#



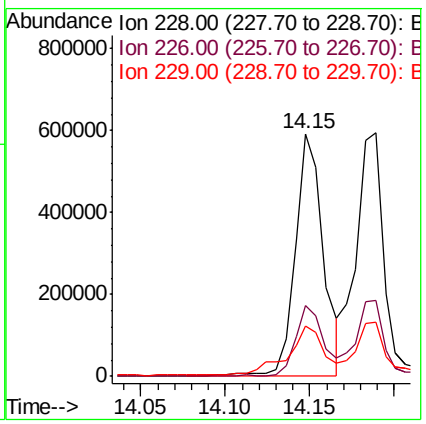


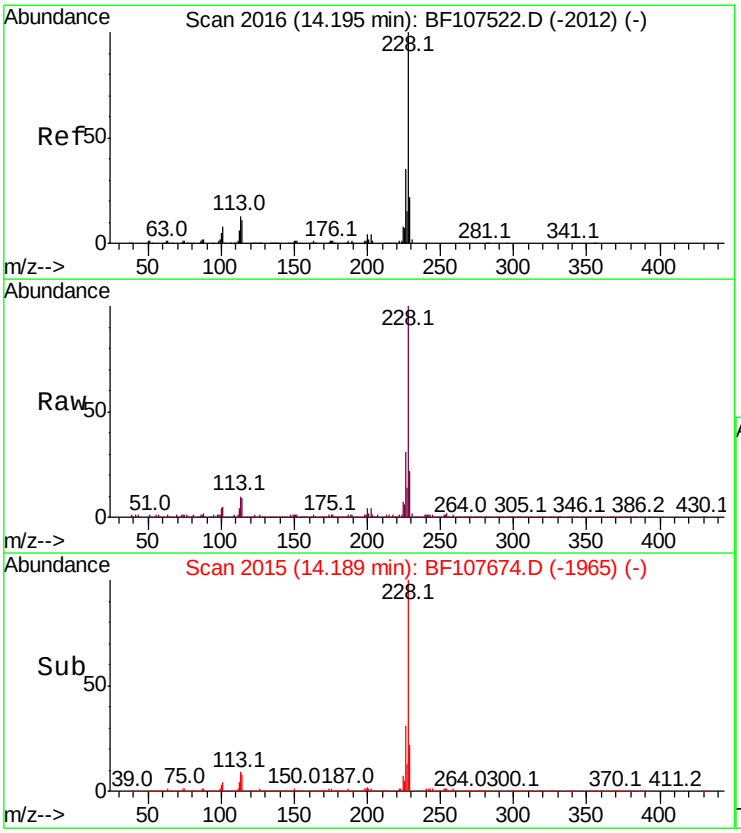
#80
Benzo(a)anthracene
Concen: 30.287 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 678184

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.7	15.8	23.6

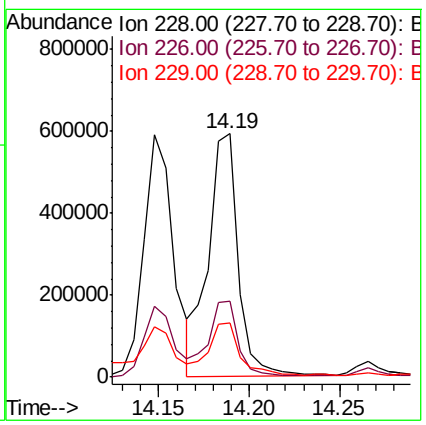


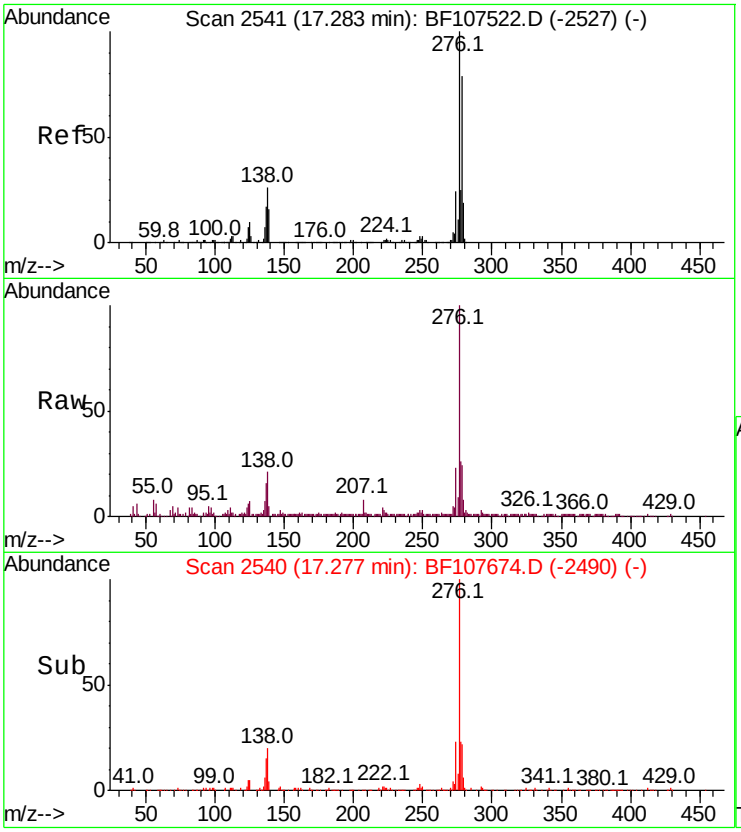


#82
Chrysene
Concen: 31.743 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:228 Resp: 682802

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.4	16.2	24.4



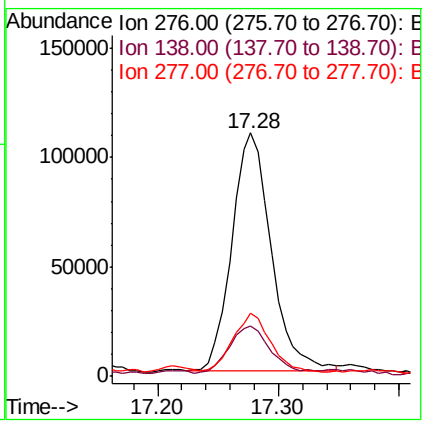


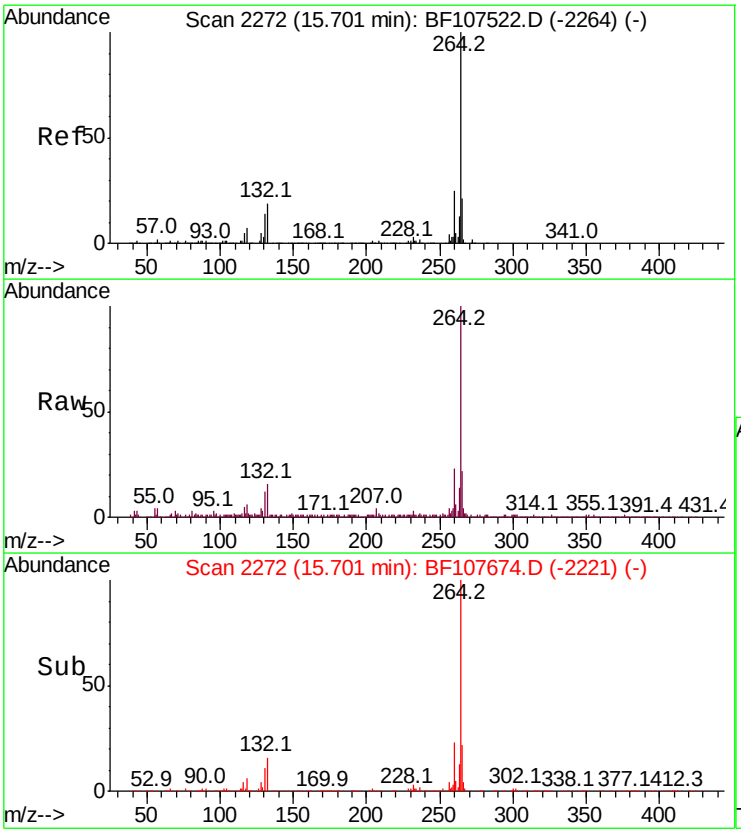
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.488 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 245886

Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	24.2	20.1	30.1

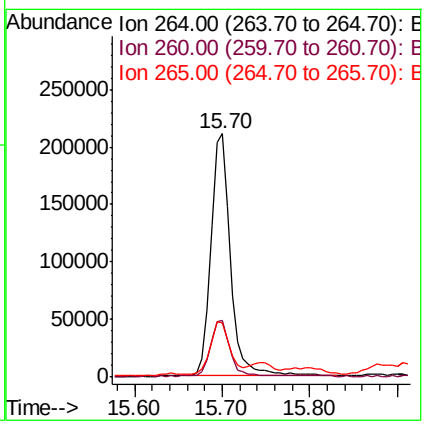


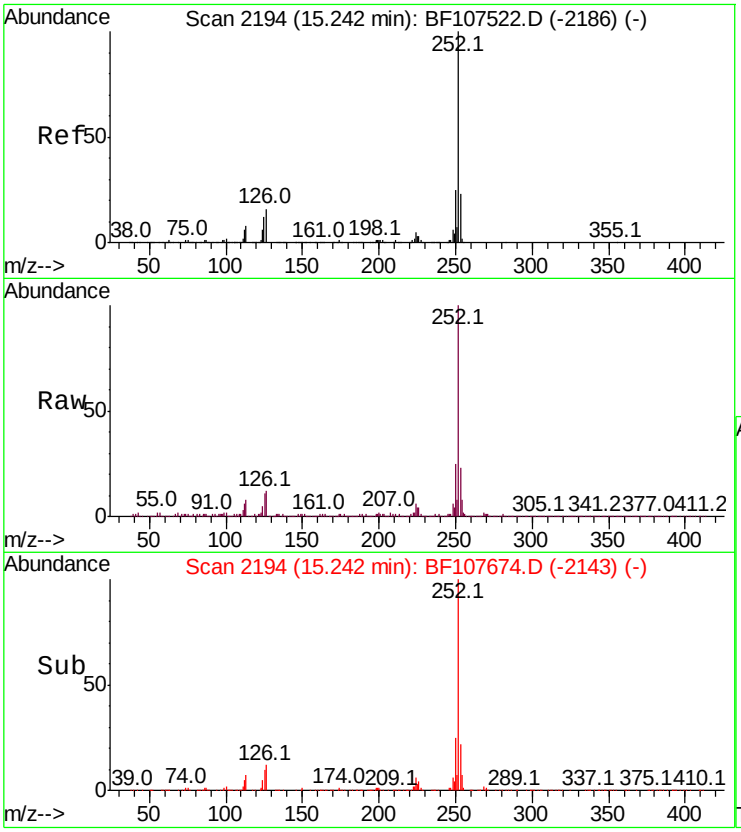


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:264 Resp: 328322

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.5	17.5	26.3



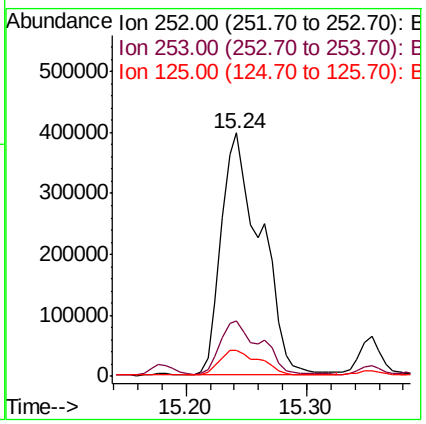


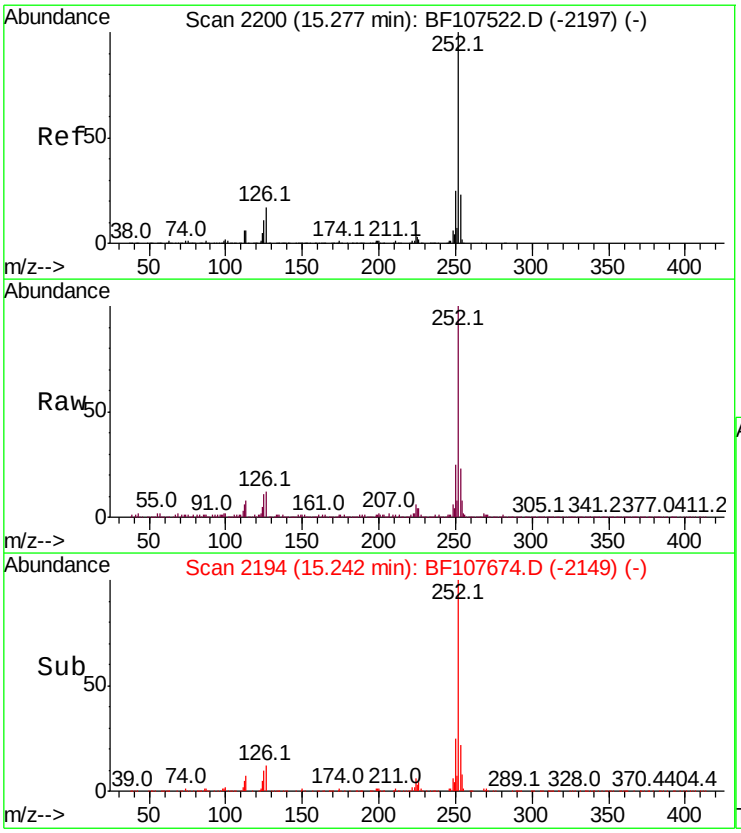
#87
Benzo(b)fluoranthene
Concen: 50.359 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 904886

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.7	9.0	13.6

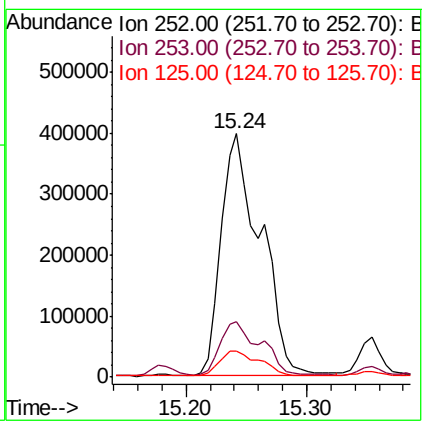


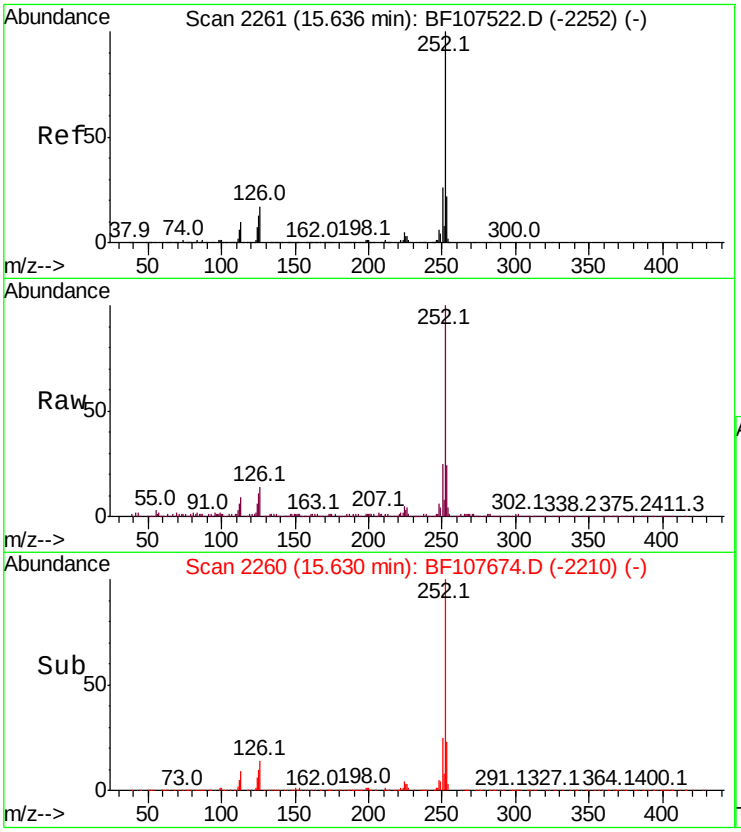


#88
Benzo(k)fluoranthene
Concen: 51.401 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:252 Resp: 904886

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.7	10.2	15.2



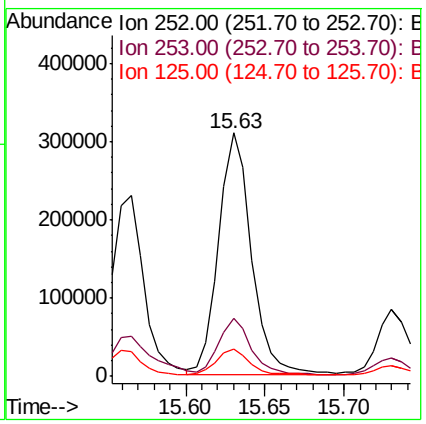


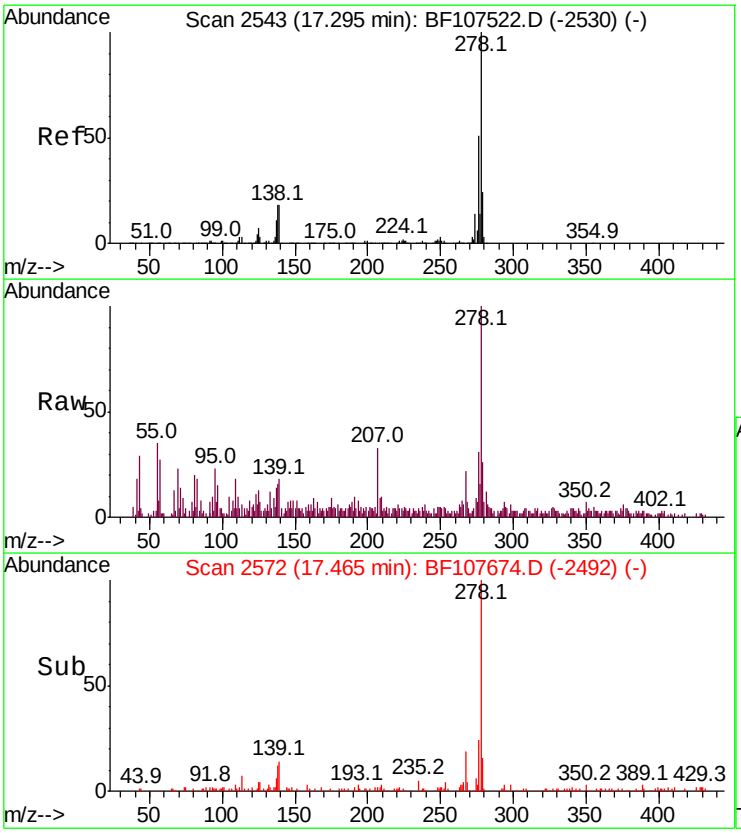
#89
Benzo(a)pyrene
Concen: 27.101 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 445447

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.0	9.8	14.6

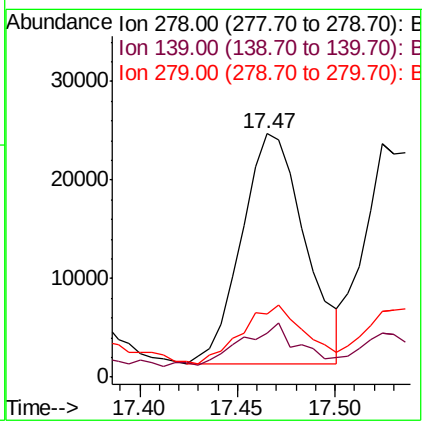


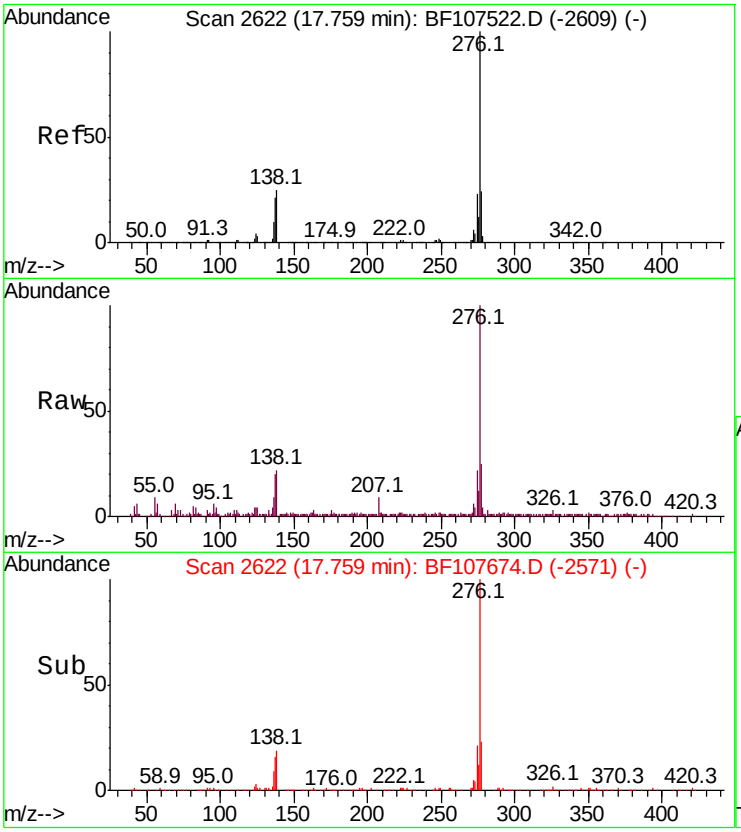


#90
Dibenzo(a,h)anthracene
Concen: 3.727 ng
RT: 17.47 min Scan# 2572
Delta R.T. 0.17 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Tgt Ion:278 Resp: 52959

Ion	Ratio	Lower	Upper
278	100		
139	17.8	15.9	23.9
279	26.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 17.857 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF107674.D
Acq: 25 Jul 2018 22:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 250257

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	22.2	21.8	32.8