Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113336.D
Acq On : 27 Mar 2019 17:44
Operator : JU/SJ
Sample : K2086-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-16

Quant Time: Mar 28 04:07:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	173493	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	658729	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	316837	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	609673	20.00	ng	0.00
76) Chrysene-d12	13.84	240	411402	20.00	ng	0.00
87) Perylene-d12	15.24	264	436950	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	926854	87.35	ng	0.00
7) Phenol-d6	6.35	99	1213378	90.40	ng	0.00
23) Nitrobenzene-d5	7.26	82	734806	66.21	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	323991	82.78	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1380538	63.92	ng	0.00
79) Terphenyl-d14	12.79	244	1292564	69.25	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.45	163	98620	4.200	ng	99
71) Phenanthrene	11.23	178	493702	16.306	ng	99
72) Anthracene	11.29	178	99671	3.241	ng	97
73) Carbazole	11.44	167	94102	3.207	ng	97
75) Fluoranthene	12.42	202	1472046	43.008	ng	99
78) Pyrene	12.64	202	1212574	42.533	ng	100
81) Benzo(a)anthracene	13.83	228	270559	11.489	ng	95
83) Chrysene	13.86	228	657561	27.490	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	153413	7.473	ng	97
88) Benzo(b)fluoranthene	14.84	252	737303m	27.163	ng	
89) Benzo(k)fluoranthene	14.87	252	202871m	8.511	ng	
90) Benzo(a)pyrene	15.18	252	188365	7.828	ng	97
92) Benzo(g,h,i)perylene	16.99	276	117796	5.615	ng	98

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

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CS-16

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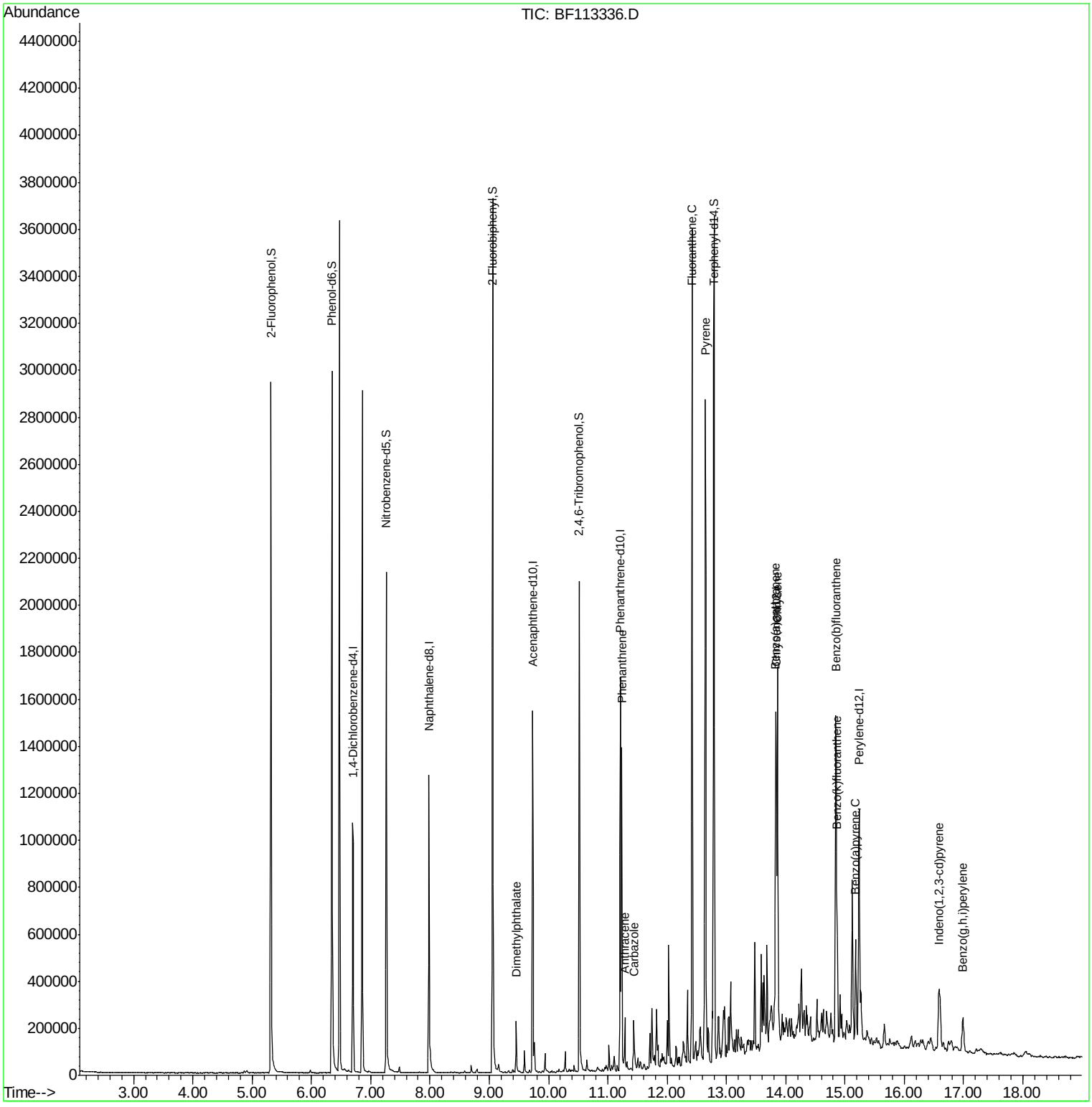
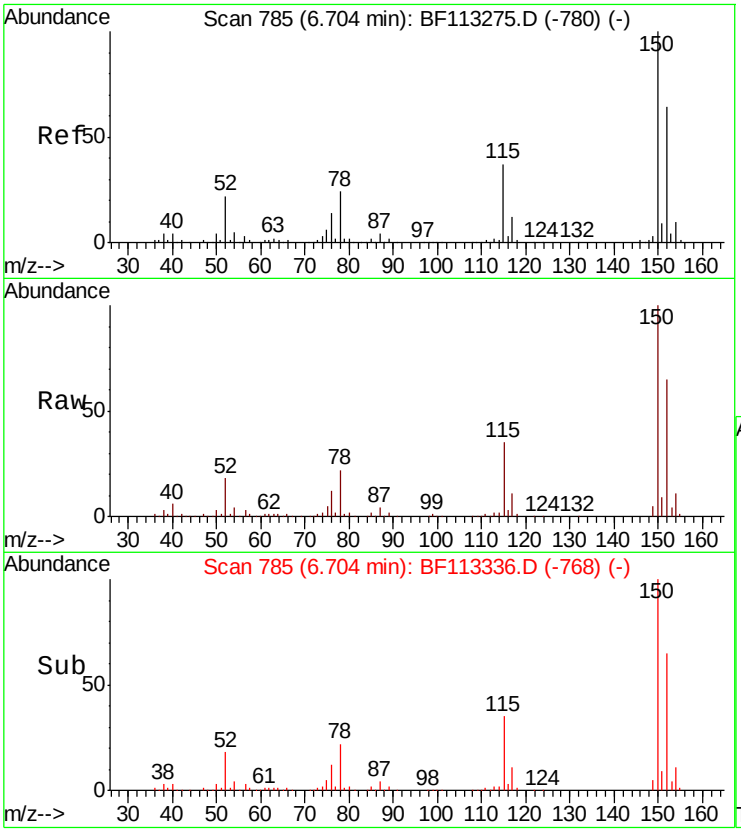


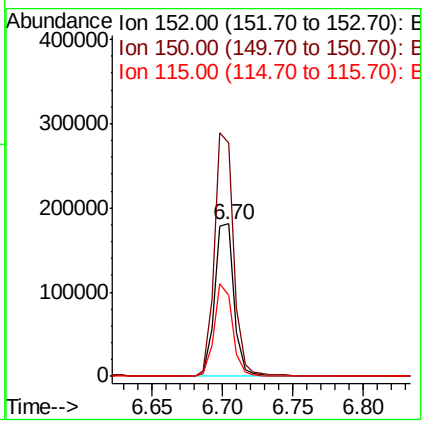


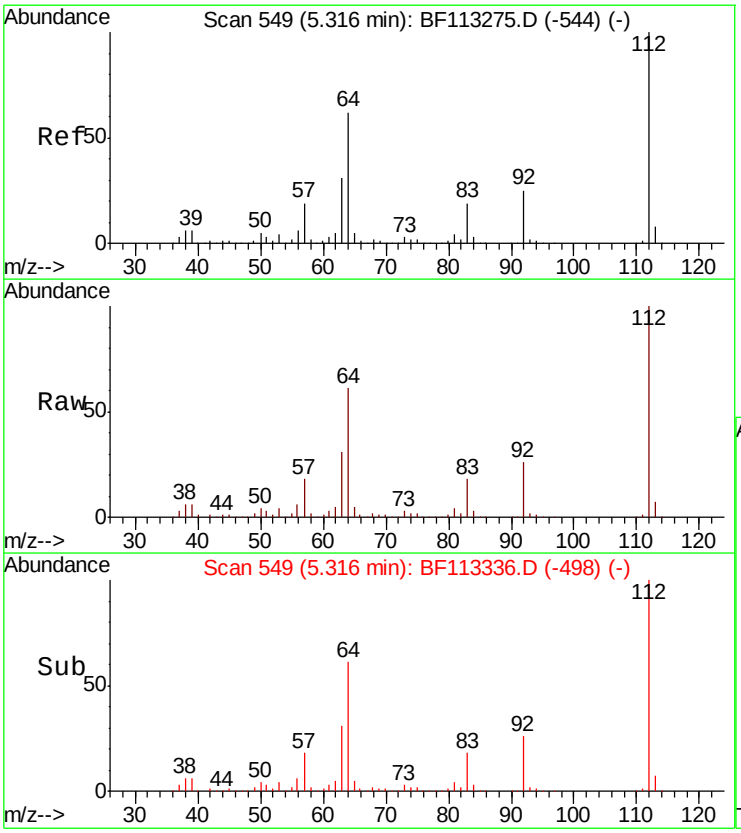
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:152 Resp: 173493

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.7	187.1
115	53.4	46.0	69.0

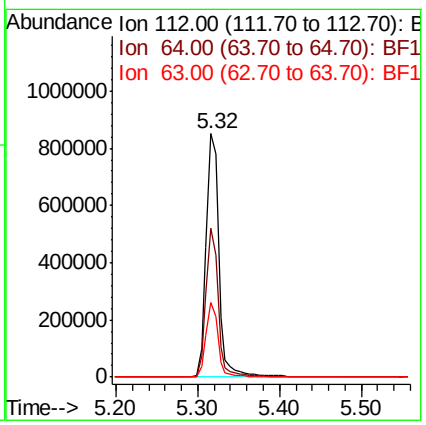


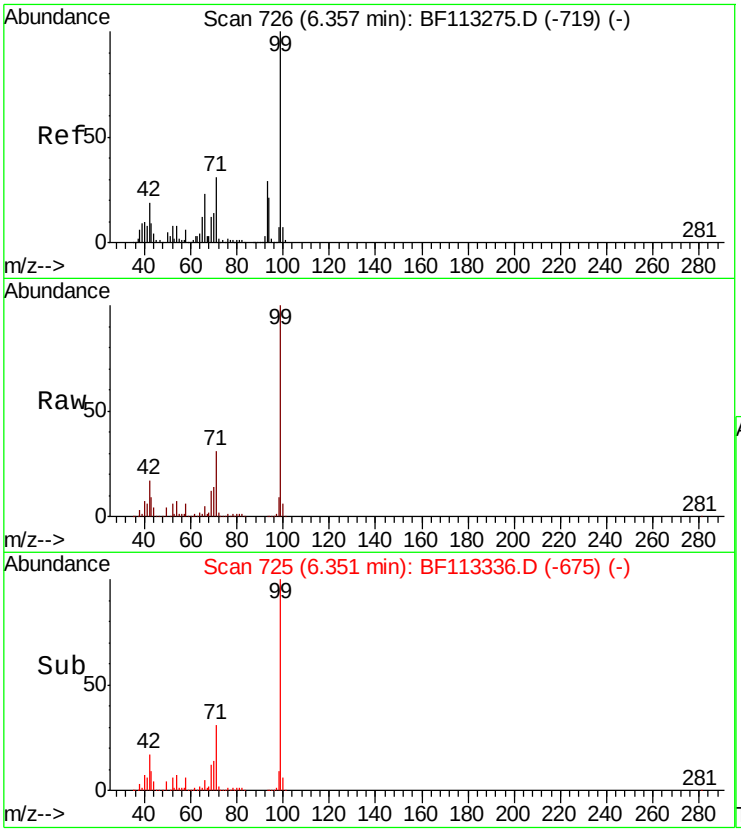


#5
2-Fluorophenol
Concen: 87.353 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:112 Resp: 926854

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.2	73.8
63	30.8	24.9	37.3



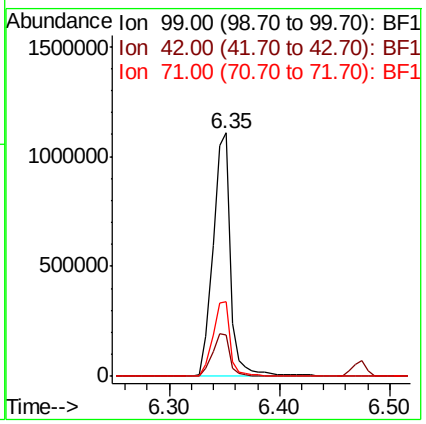


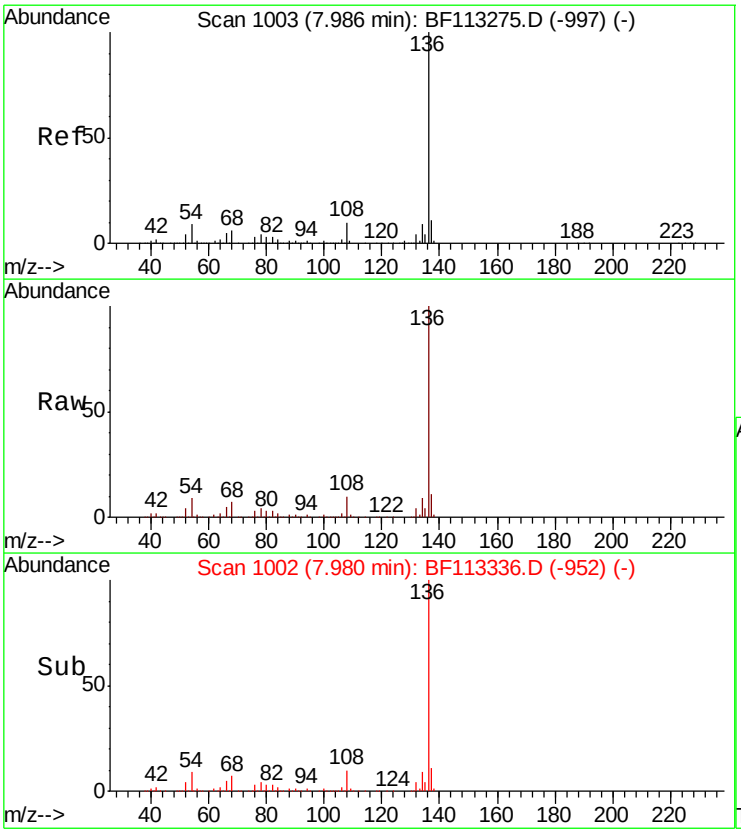
#7
Phenol-d6
Concen: 90.397 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion: 99 Resp: 1213378

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.8	22.2
71	30.5	24.9	37.3

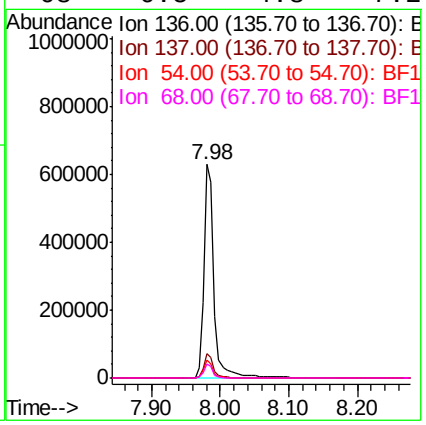


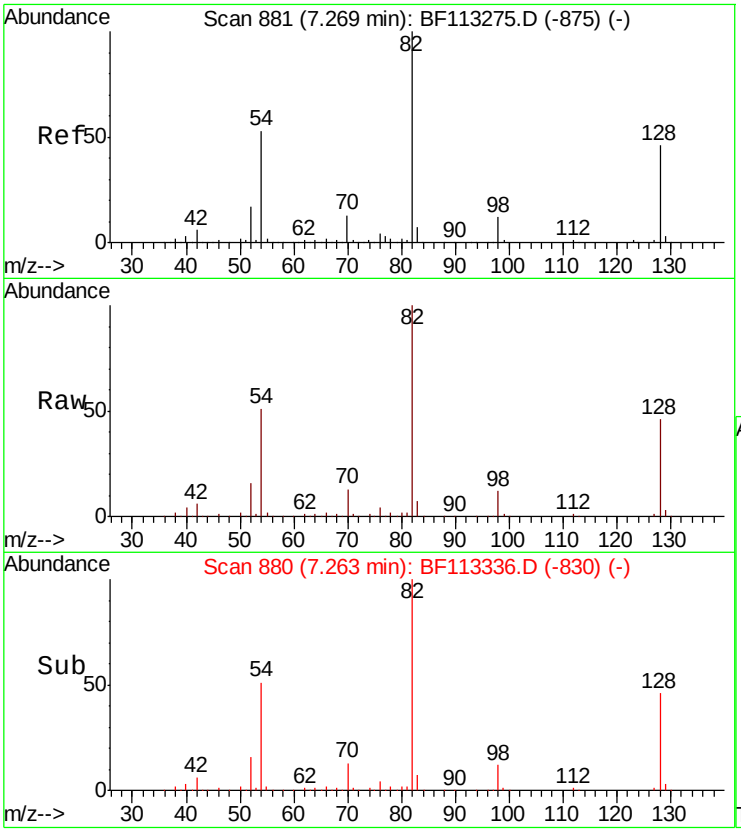


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:136 Resp: 658729

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.6	7.0	10.6
68	6.5	4.8	7.2



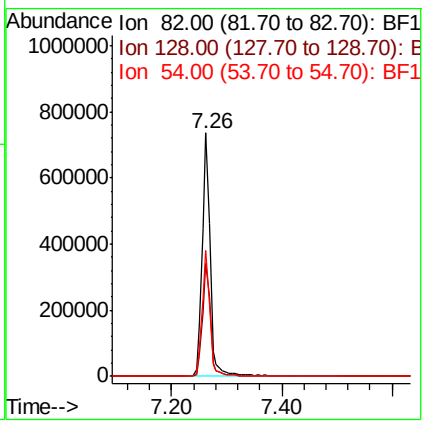


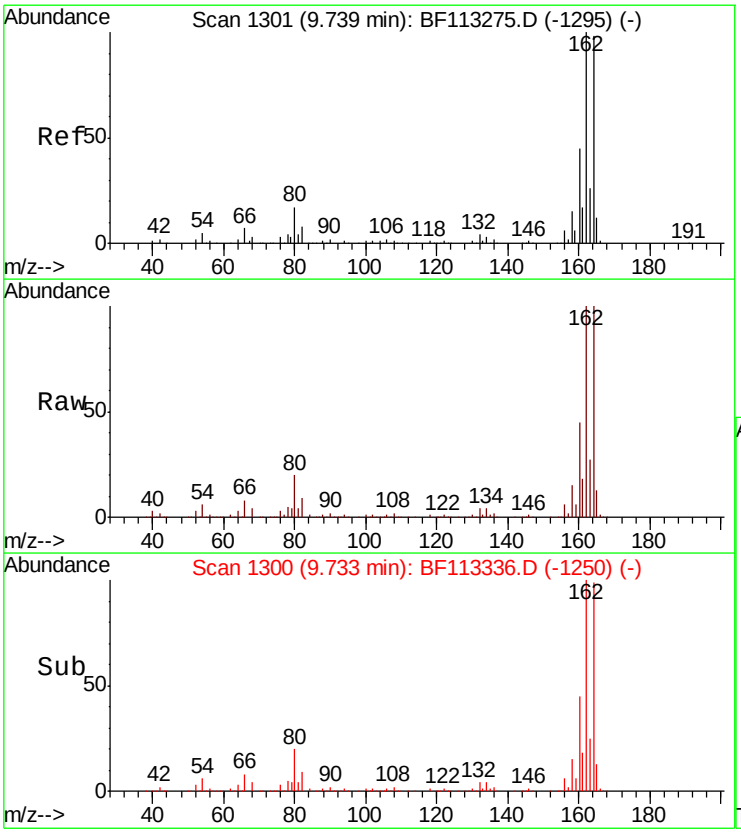
#23
Nitrobenzene-d5
Concen: 66.209 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion: 82 Resp: 734806

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	51.4	42.2	63.2

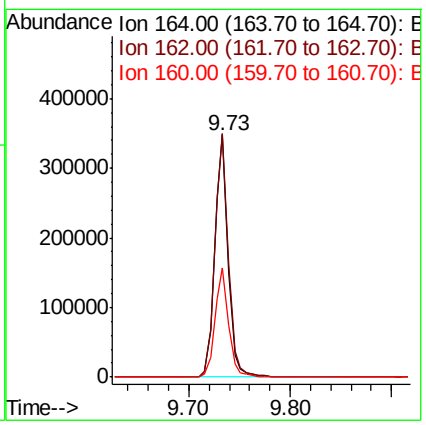


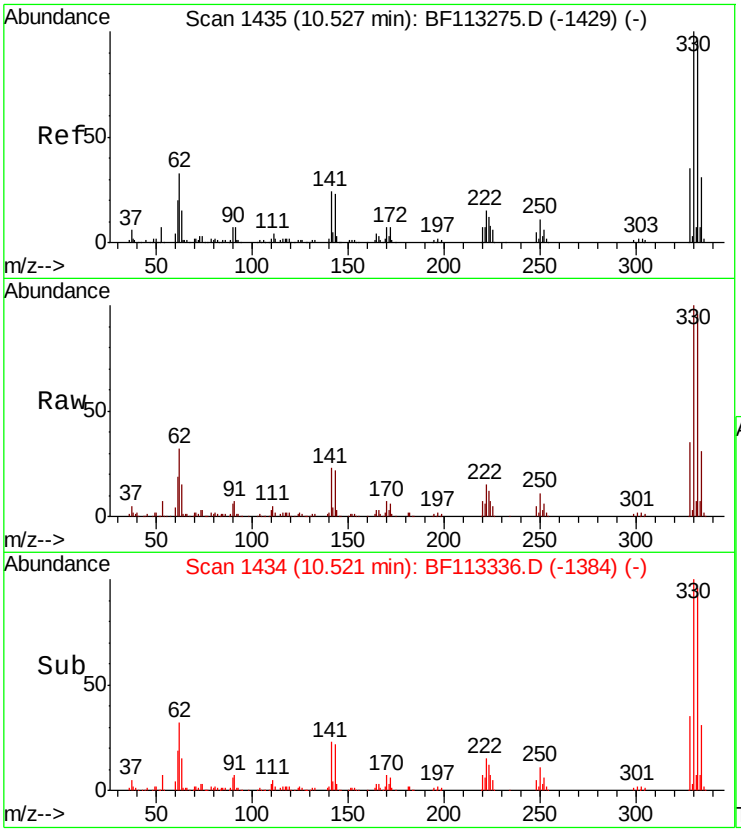


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:164 Resp: 316837

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.8	122.6
160	44.9	36.4	54.6



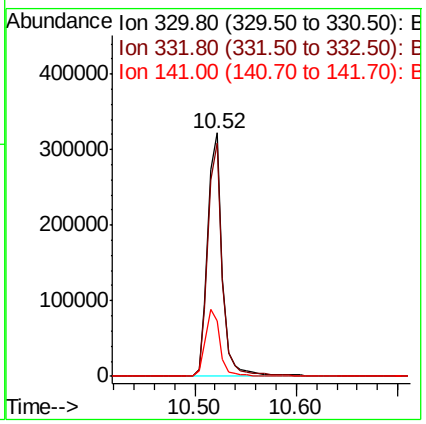


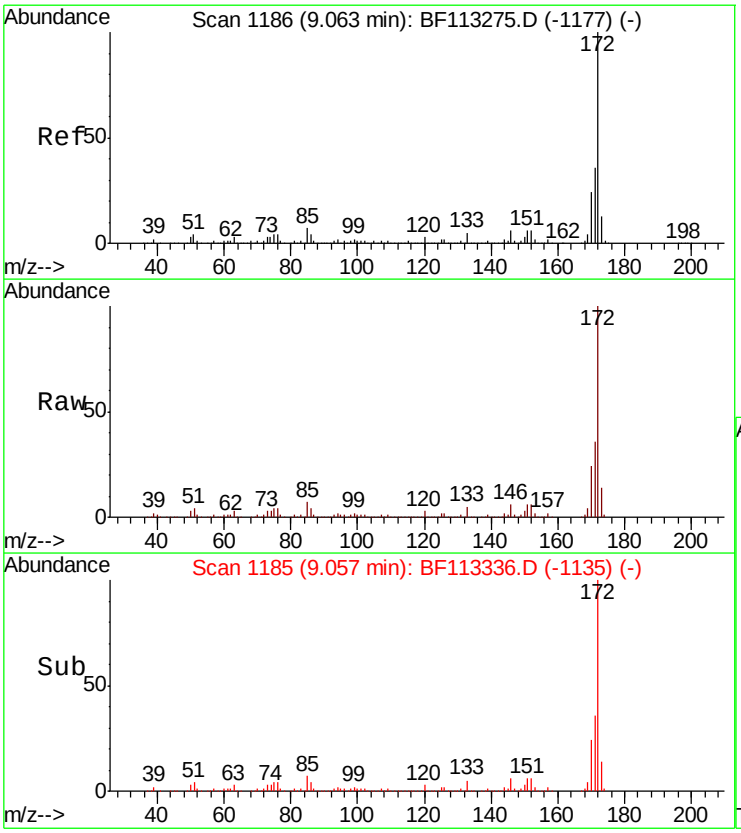
#42
2,4,6-Tribromophenol
Concen: 82.785 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:330 Resp: 323991

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.8	116.6
141	27.8	22.7	34.1

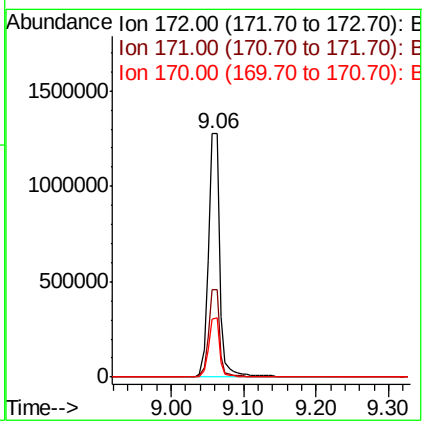


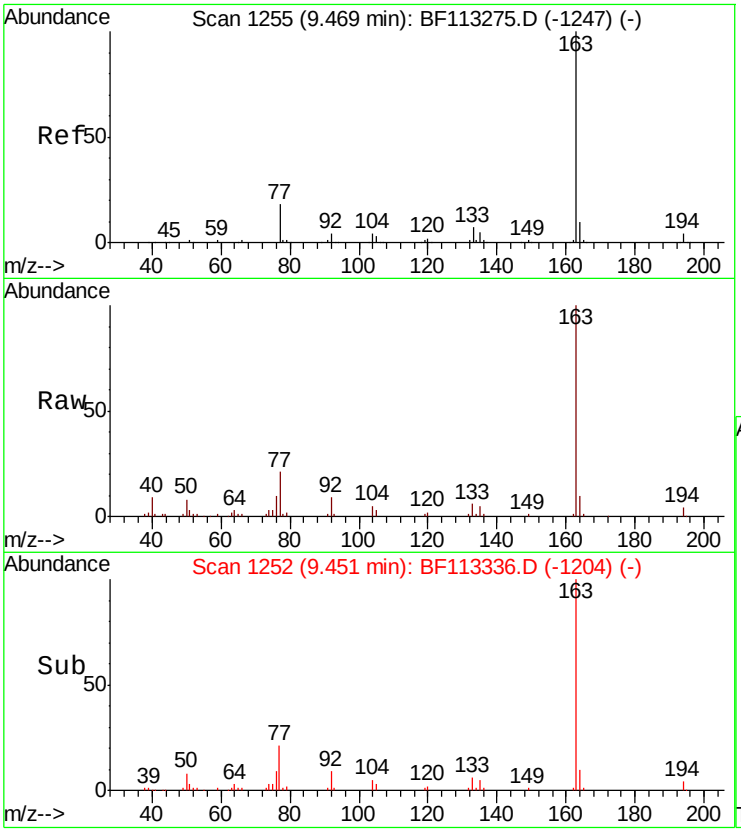


#45
2-Fluorobiphenyl
Concen: 63.920 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:172 Resp: 1380538

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.0	19.5	29.3



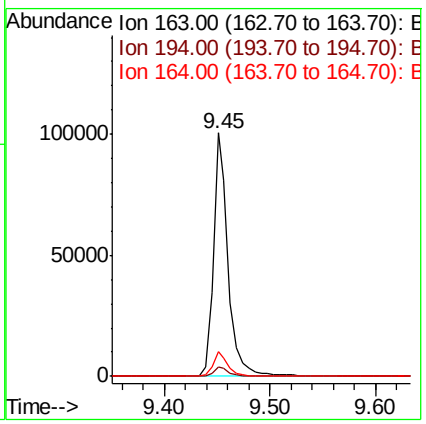


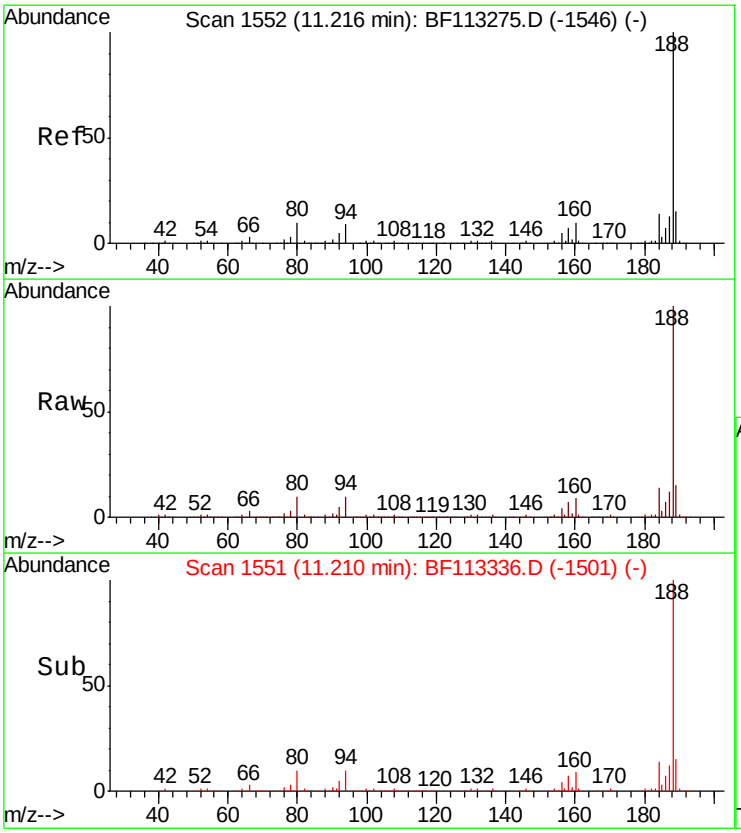
#50
Dimethylphthalate
Concen: 4.200 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:163 Resp: 98620

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.4	8.1	12.1

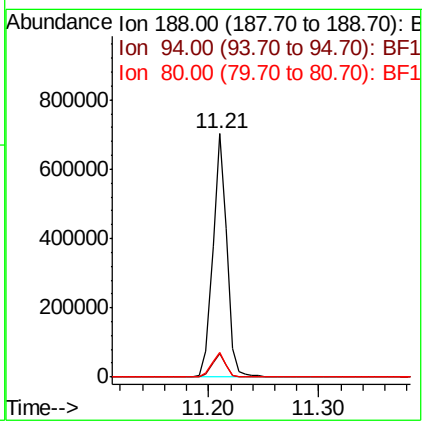


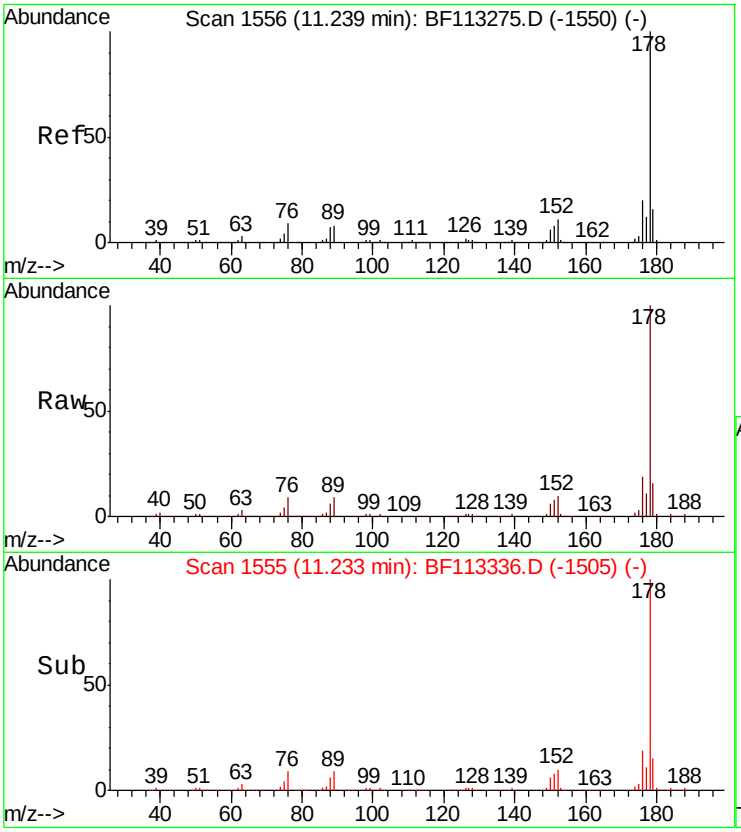


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:188 Resp: 609673

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.0	10.6
80	10.1	7.7	11.5



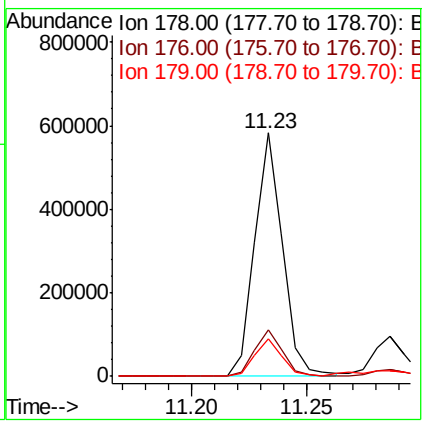


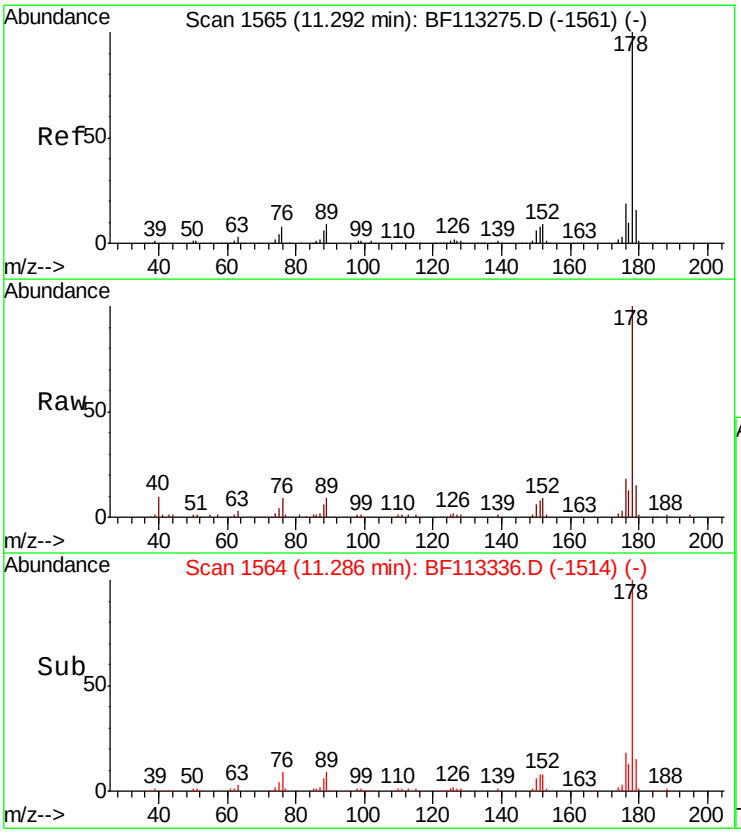
#71
Phenanthrene
Concen: 16.306 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:178 Resp: 493702

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.5	12.7	19.1

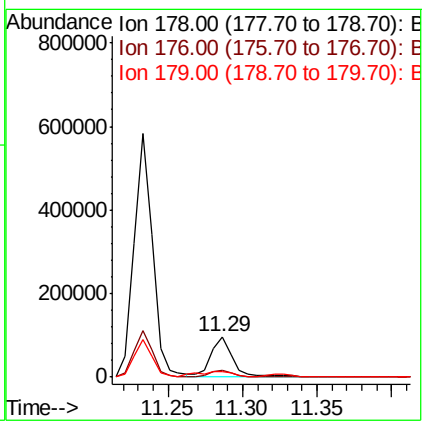


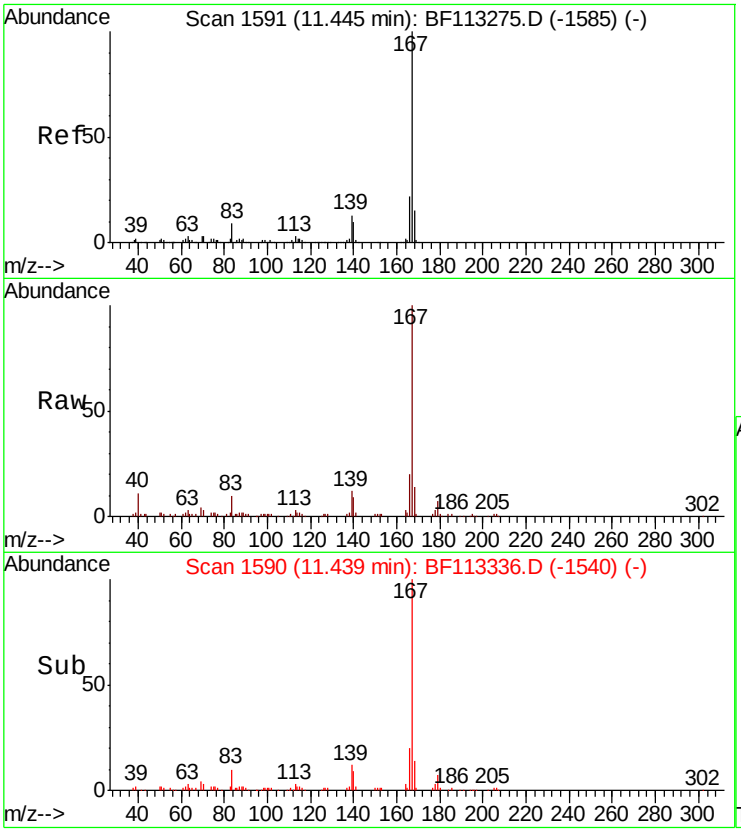


#72
Anthracene
Concen: 3.241 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:178 Resp: 99671

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.7	12.8	19.2



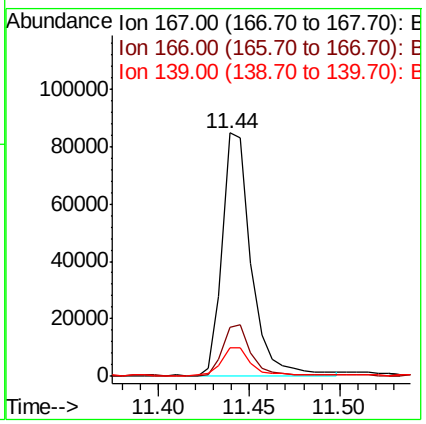


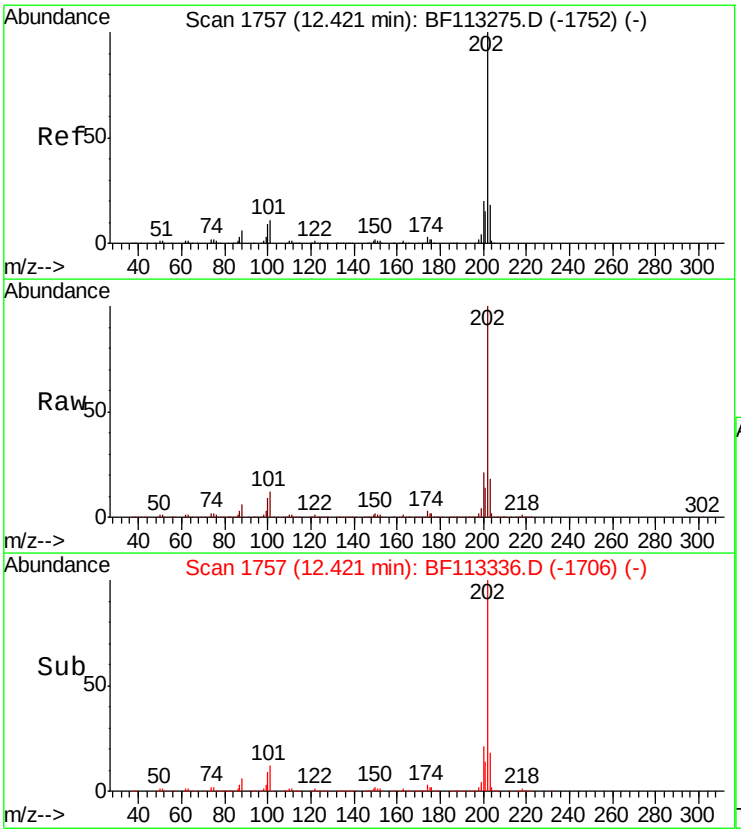
#73
Carbazole
Concen: 3.207 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:167 Resp: 94102

Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.4	26.0
139	11.8	10.4	15.6

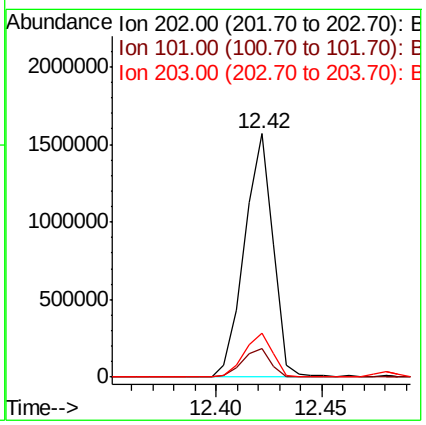


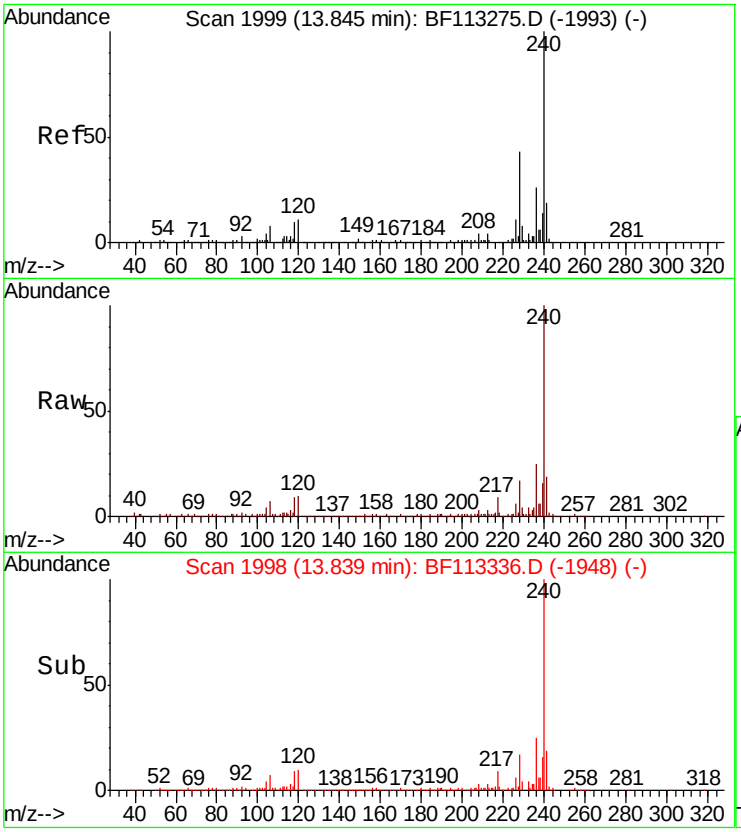


#75
Fluoranthene
Concen: 43.008 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:202 Resp: 1472046

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	18.3	0.0	38.0



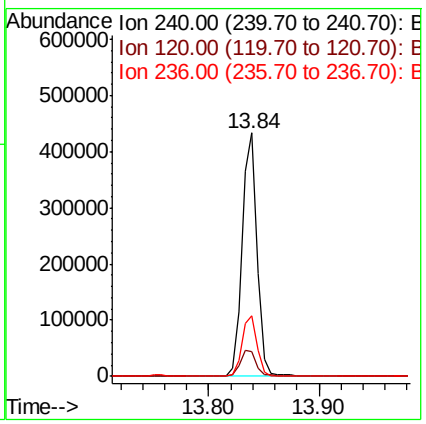


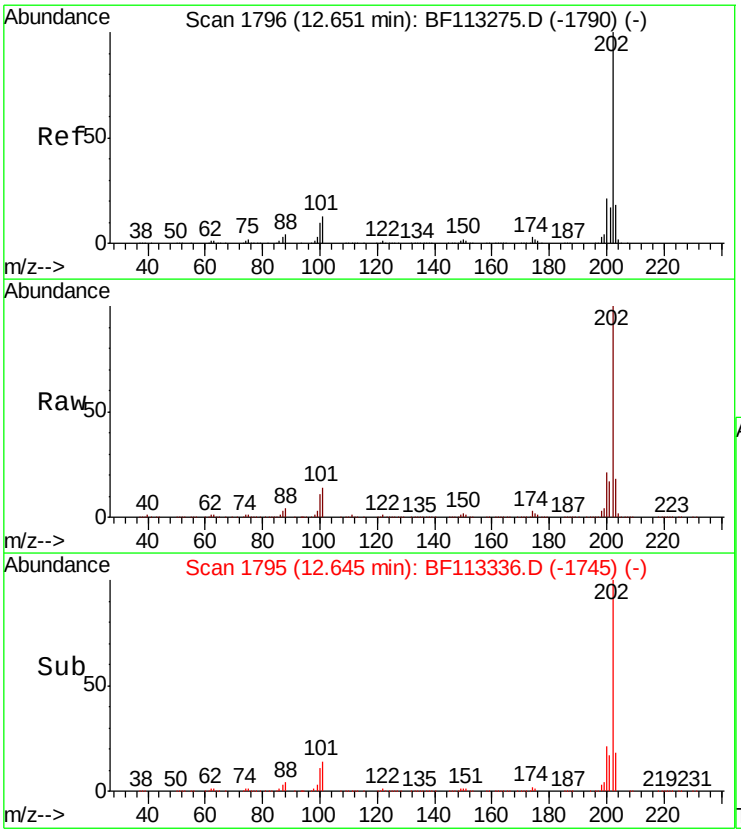
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:240 Resp: 411402

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.8	13.2
236	25.1	20.9	31.3

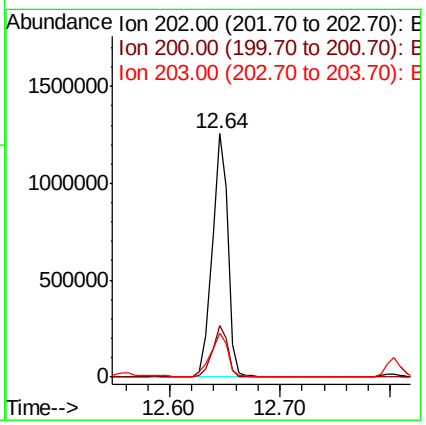


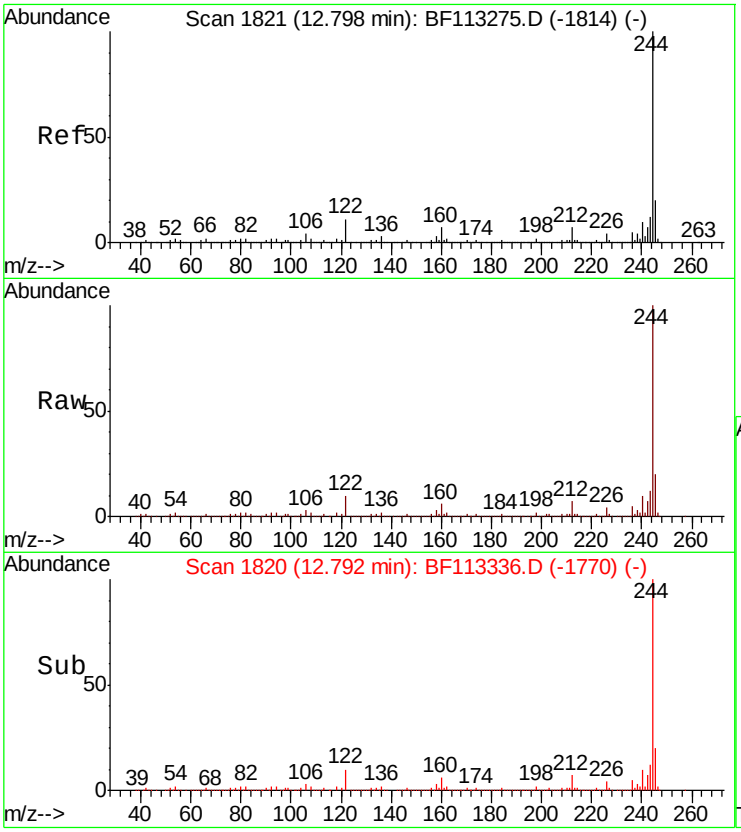


#78
Pyrene
Concen: 42.533 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:202 Resp: 1212574

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	18.1	14.4	21.6



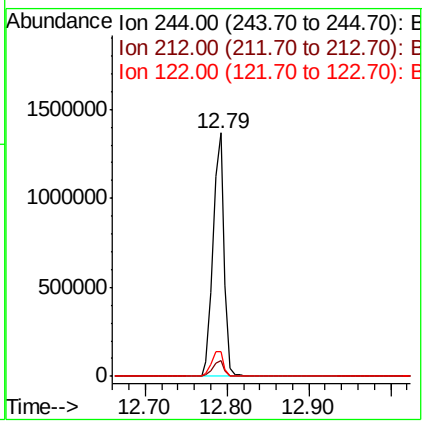


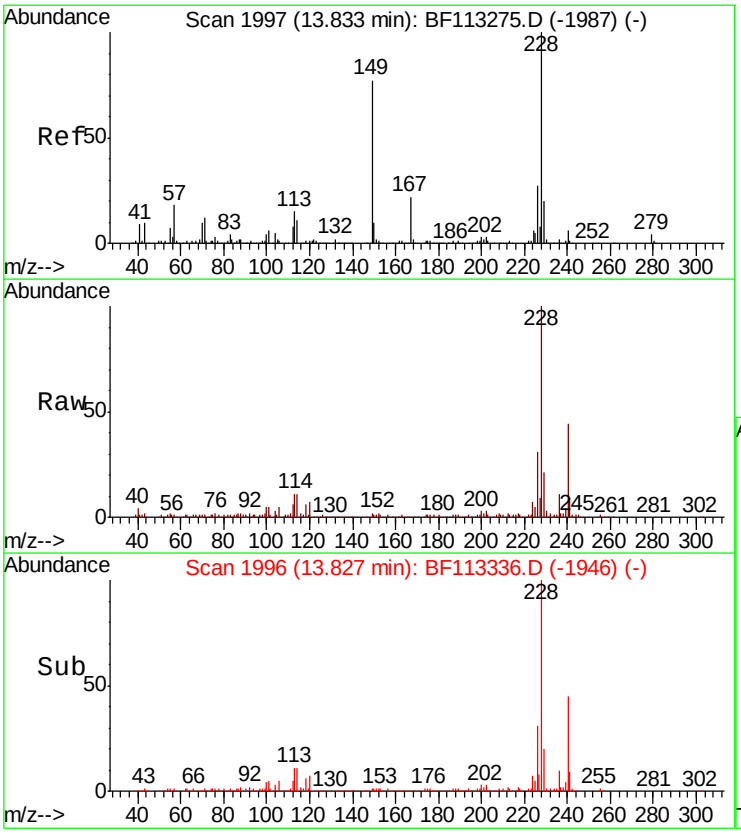
#79
Terphenyl-d14
Concen: 69.252 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:244 Resp: 1292564

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	10.3	8.6	13.0

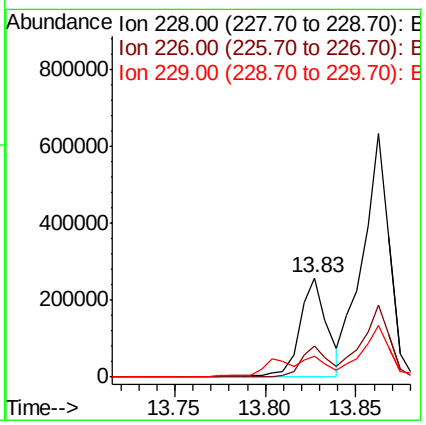


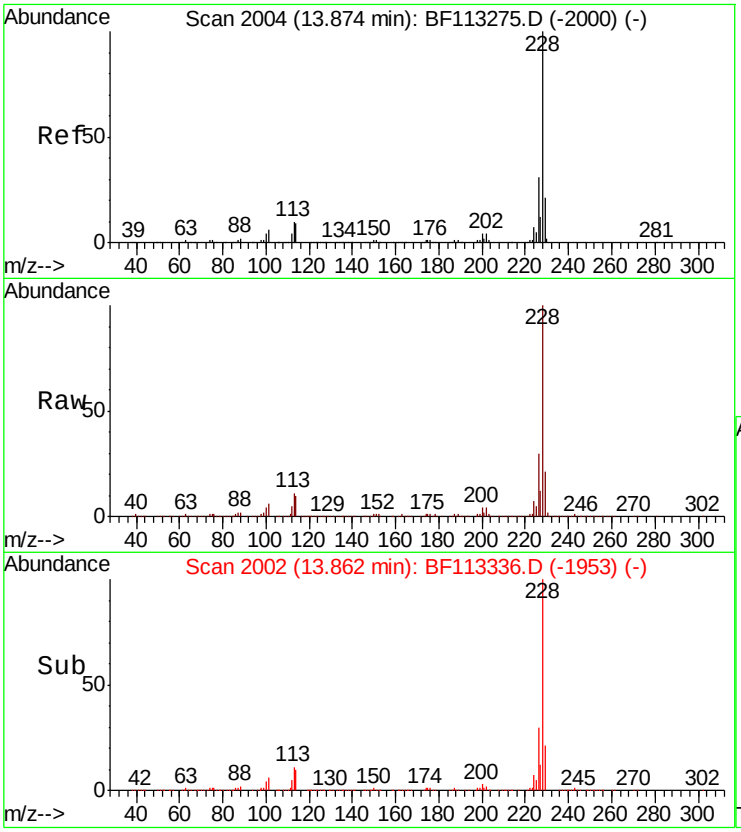


#81
Benzo(a)anthracene
Concen: 11.489 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:228 Resp: 270559

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.8
229	20.7	16.2	24.4



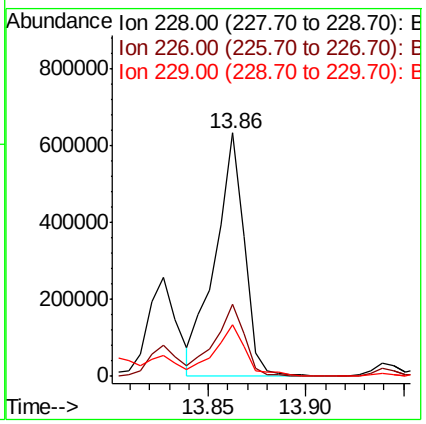


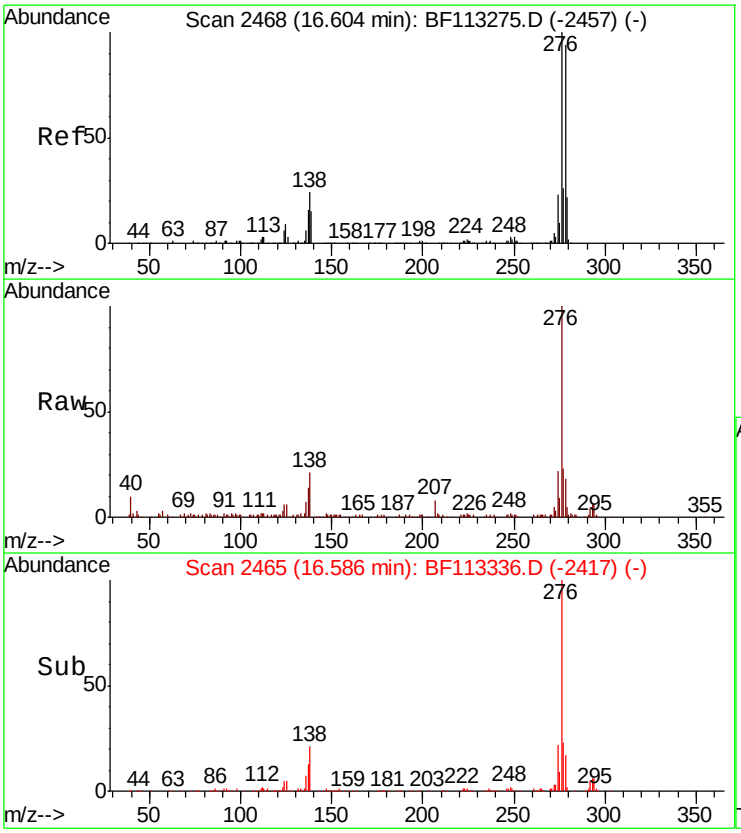
#83
Chrysene
Concen: 27.490 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:228 Resp: 657561

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	21.4	16.3	24.5

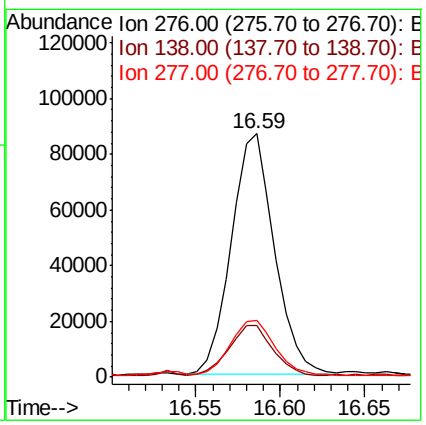


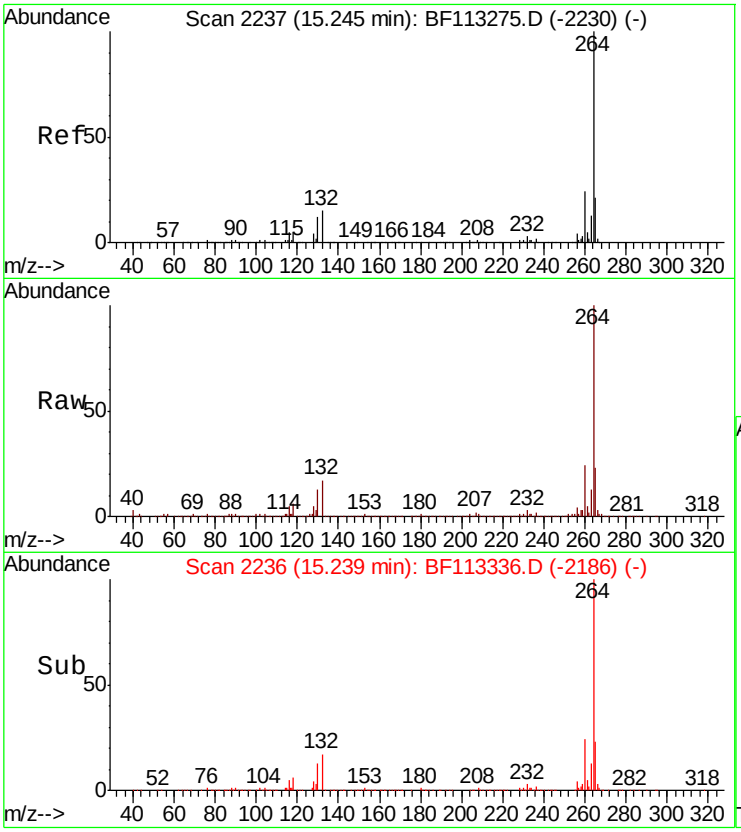


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.473 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:276 Resp: 153413

Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.1	27.1
277	24.2	20.2	30.4



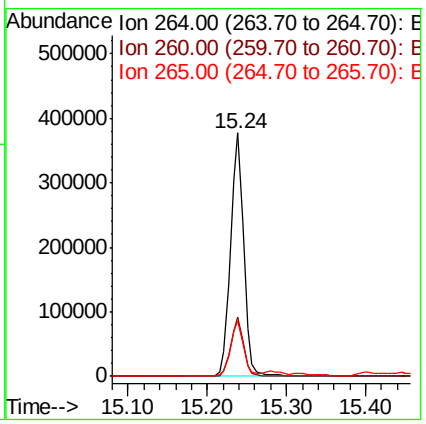


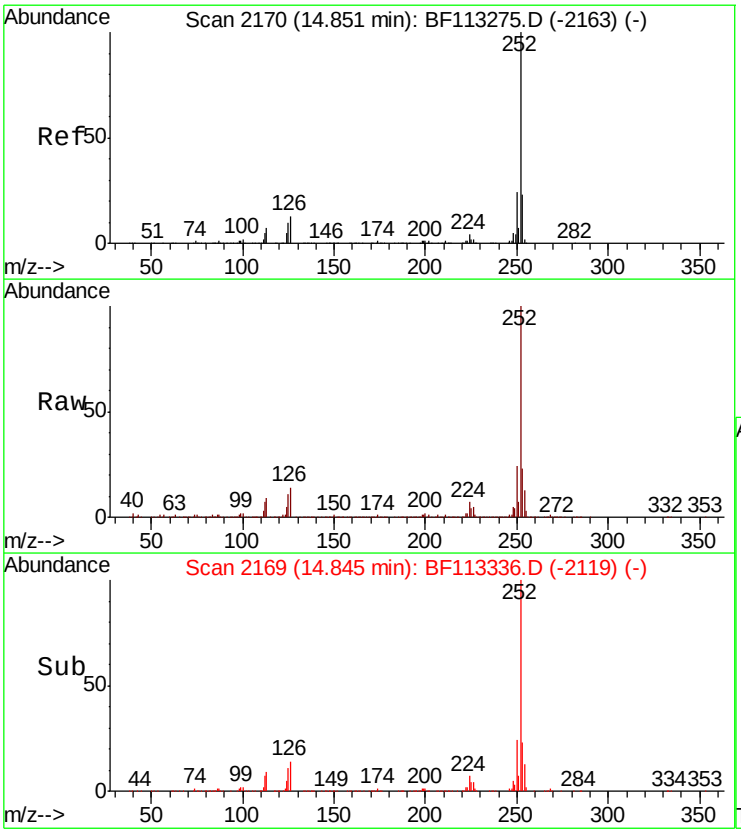
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:264 Resp: 436950

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.6	17.1	25.7

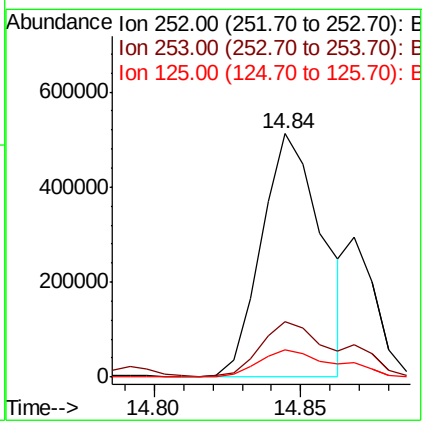


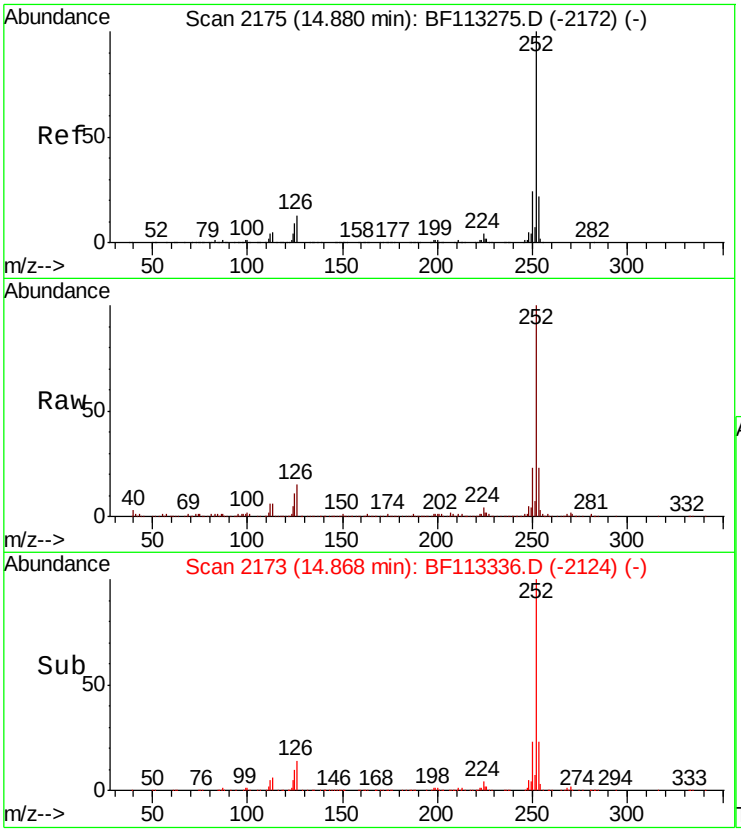


#88
Benzo(b)fluoranthene
Concen: 27.163 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:252 Resp: 737303

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.1	7.6	11.4



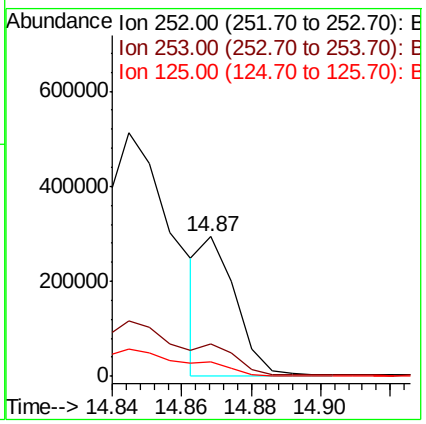


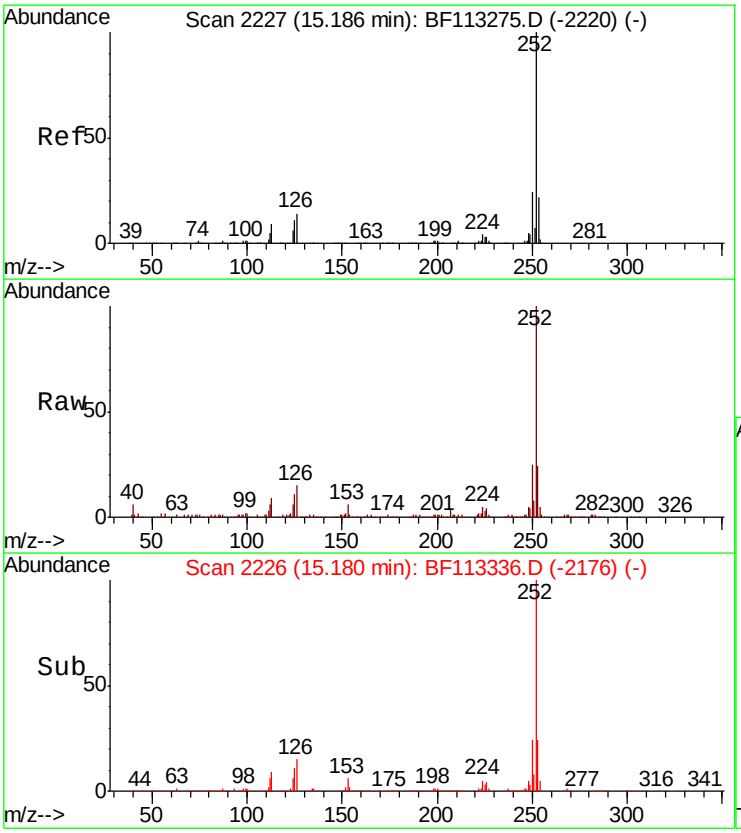
#89
Benzo(k)fluoranthene
Concen: 8.511 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:252 Resp: 202871

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.6	7.3	10.9

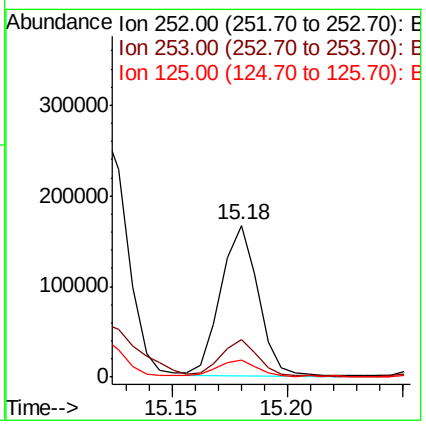


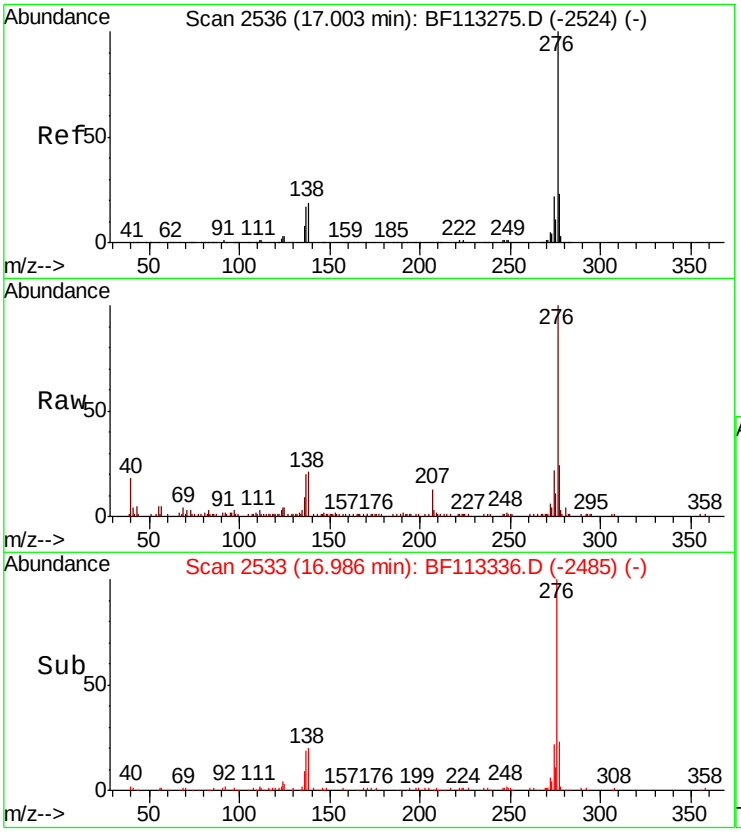


#90
Benzo(a)pyrene
Concen: 7.828 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:252 Resp: 188365

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	11.2	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 5.615 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:276 Resp: 117796

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	20.9	15.6	23.4