Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113337.D
Acq On : 27 Mar 2019 18:13
Operator : JU/SJ
Sample : K2086-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-18

Quant Time: Mar 28 04:08:40 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	177602	20.00	ng		0.00
21) Naphthalene-d8	7.98	136	664738	20.00	ng		0.00
39) Acenaphthene-d10	9.73	164	316064	20.00	ng		0.00
64) Phenanthrene-d10	11.21	188	574770	20.00	ng		0.00
76) Chrysene-d12	13.84	240	391621	20.00	ng		0.00
87) Perylene-d12	15.24	264	411392	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	1093377	100.66	ng		0.00
7) Phenol-d6	6.35	99	1423615	103.61	ng		0.00
23) Nitrobenzene-d5	7.26	82	880063	78.58	ng		0.00
42) 2,4,6-Tribromophenol	10.52	330	376722	96.49	ng		0.00
45) 2-Fluorobiphenyl	9.06	172	1573024	76.18	ng		0.00
79) Terphenyl-d14	12.79	244	1379492	77.64	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.36	94	32996	2.103	ng	#	71
49) Acenaphthylene	9.59	152	85430	2.600	ng		98
50) Dimethylphthalate	9.45	163	114118	4.872	ng		100
52) Acenaphthene	9.76	154	55237	2.985	ng		99
55) Dibenzofuran	9.94	168	76868	2.763	ng		95
58) Fluorene	10.27	166	61950	2.866	ng		99
71) Phenanthrene	11.23	178	1118497	39.186	ng		100
72) Anthracene	11.29	178	172226	5.940	ng		98
73) Carbazole	11.44	167	247556	8.948	ng		99
75) Fluoranthene	12.43	202	2903391	89.979	ng		97
78) Pyrene	12.65	202	2381653	87.761	ng		98
81) Benzo(a)anthracene	13.83	228	487455	21.745	ng		94
83) Chrysene	13.87	228	1666078	73.171	ng		98
86) Indeno(1,2,3-cd)pyrene	16.59	276	445492	22.797	ng		96
88) Benzo(b)fluoranthene	14.86	252	1827173m	71.498	ng		
89) Benzo(k)fluoranthene	14.87	252	606472m	27.023	ng		
90) Benzo(a)pyrene	15.19	252	438245	19.343	ng		97
91) Dibenzo(a,h)anthracene	16.60	278	108387	5.533	ng	#	80
92) Benzo(g,h,i)perylene	17.00	276	369340	18.699	ng		98

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

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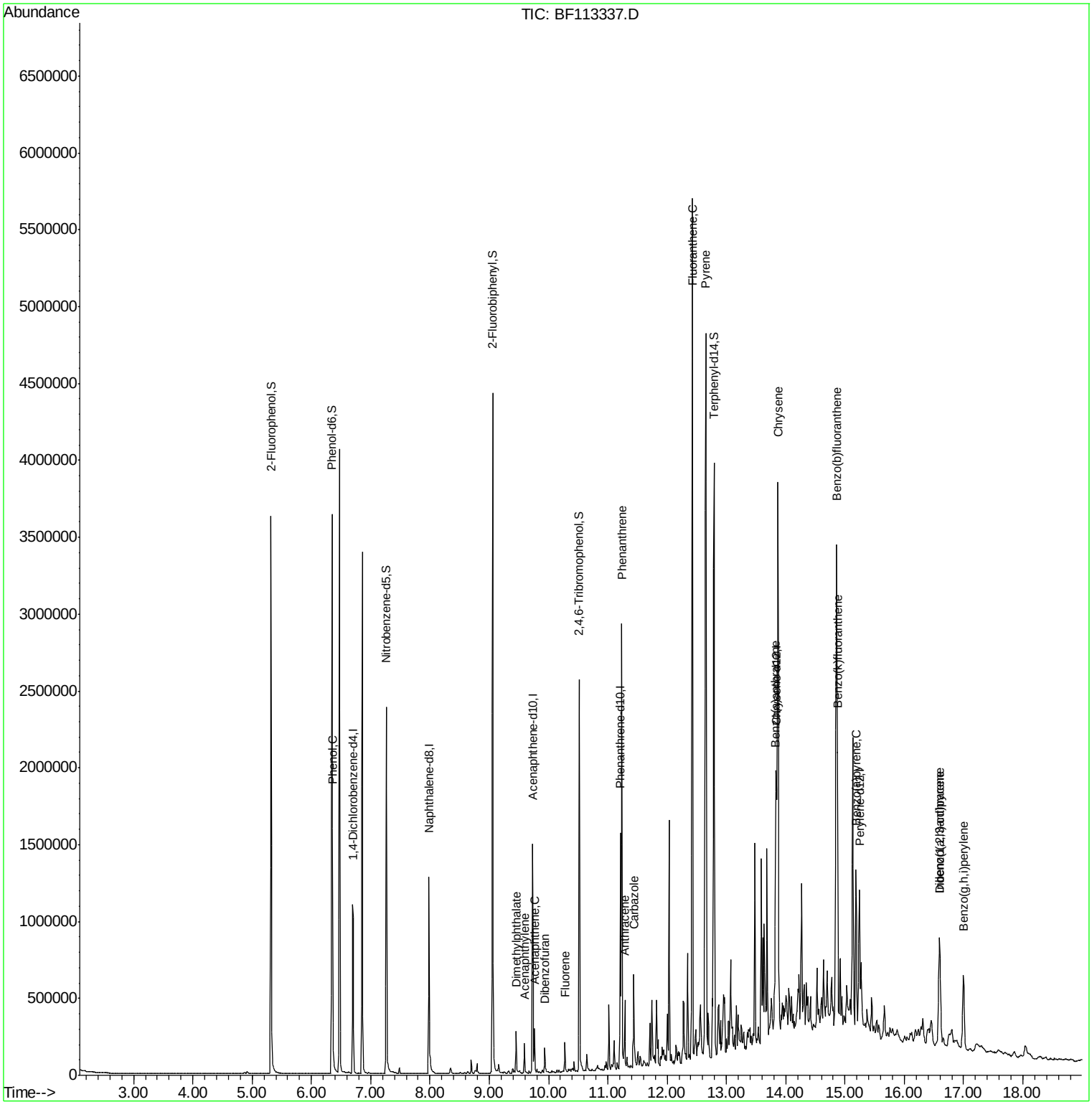
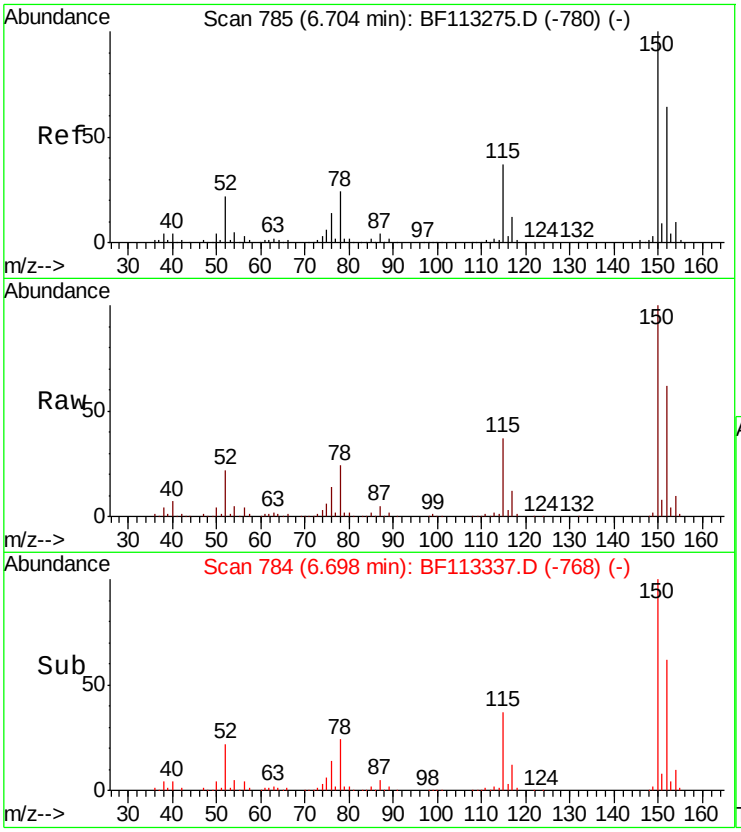


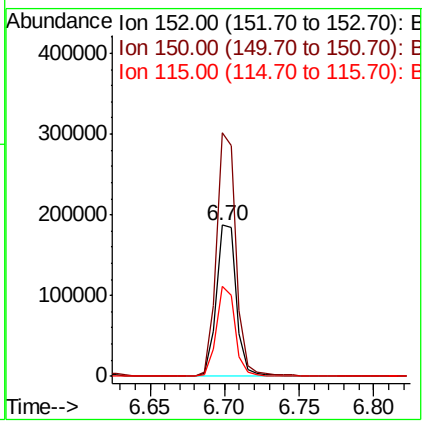


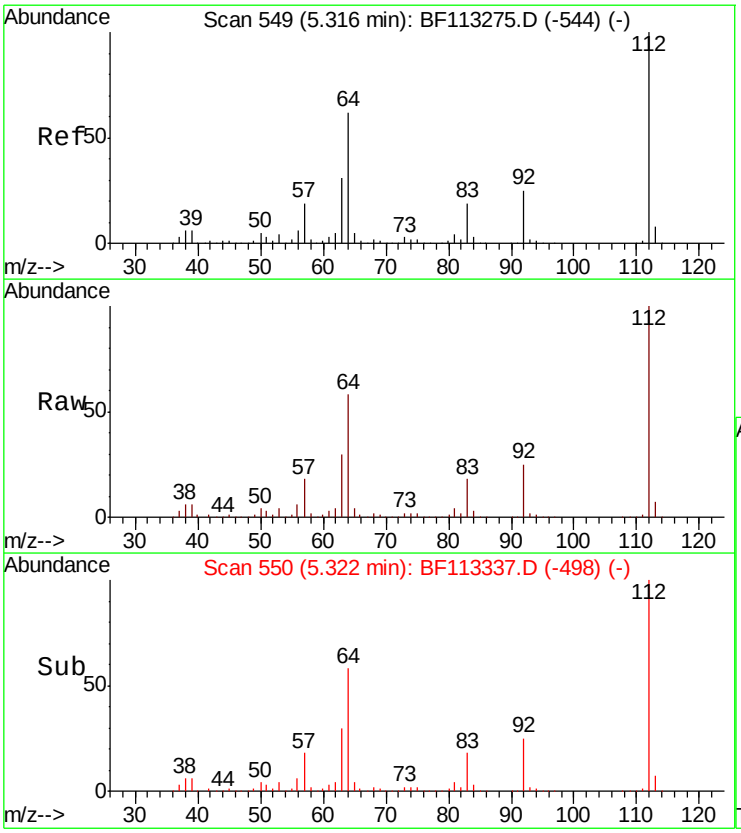
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:152 Resp: 177602

Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.7	187.1
115	59.8	46.0	69.0

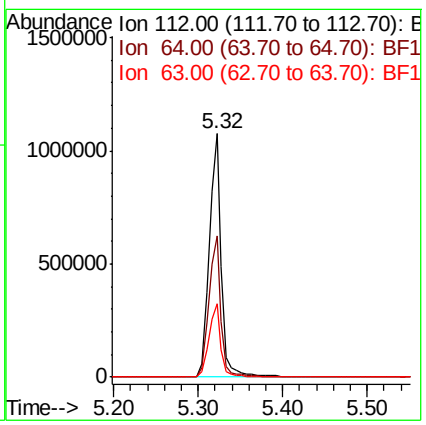


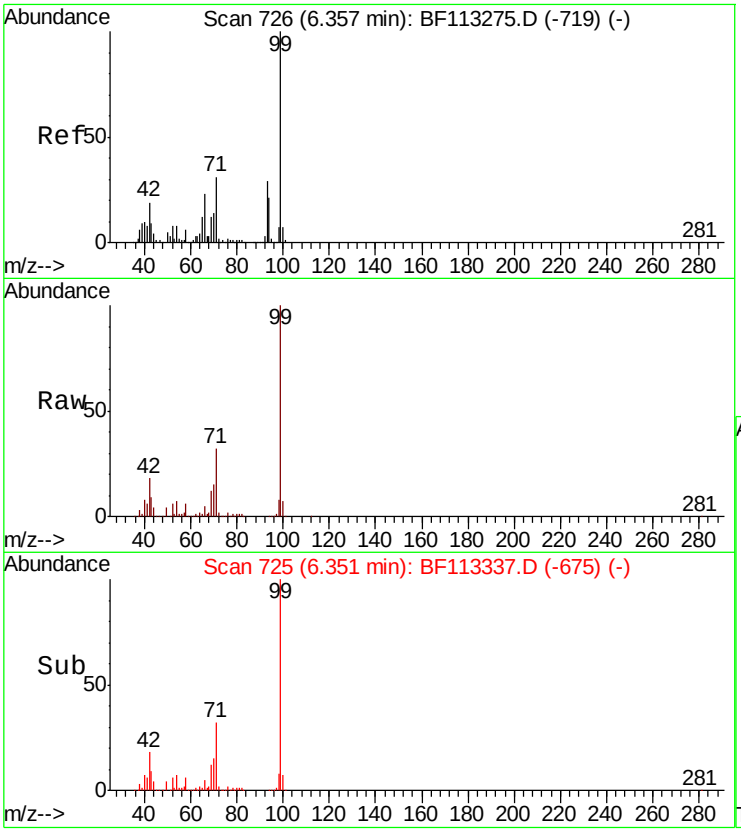


#5
2-Fluorophenol
Concen: 100.663 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:112 Resp: 1093377

Ion	Ratio	Lower	Upper
112	100		
64	57.9	49.2	73.8
63	29.9	24.9	37.3



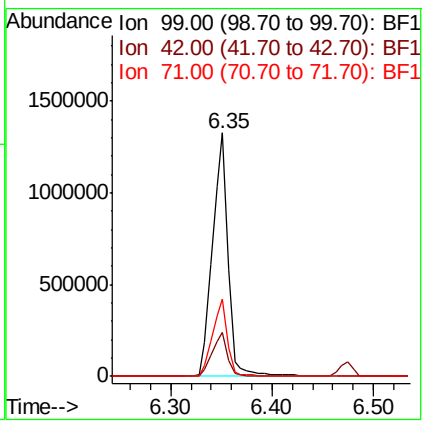


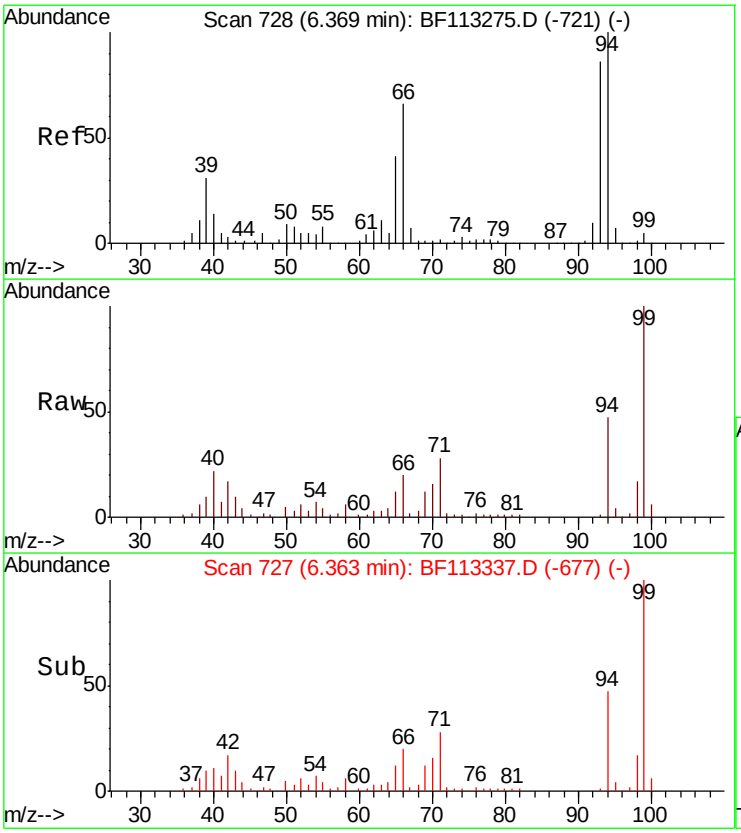
#7
Phenol-d6
Concen: 103.606 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion: 99 Resp: 1423615

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.8	22.2
71	31.8	24.9	37.3

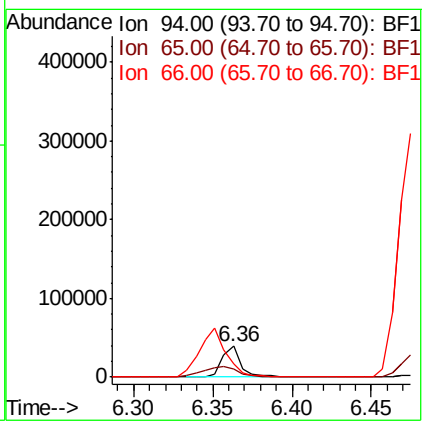


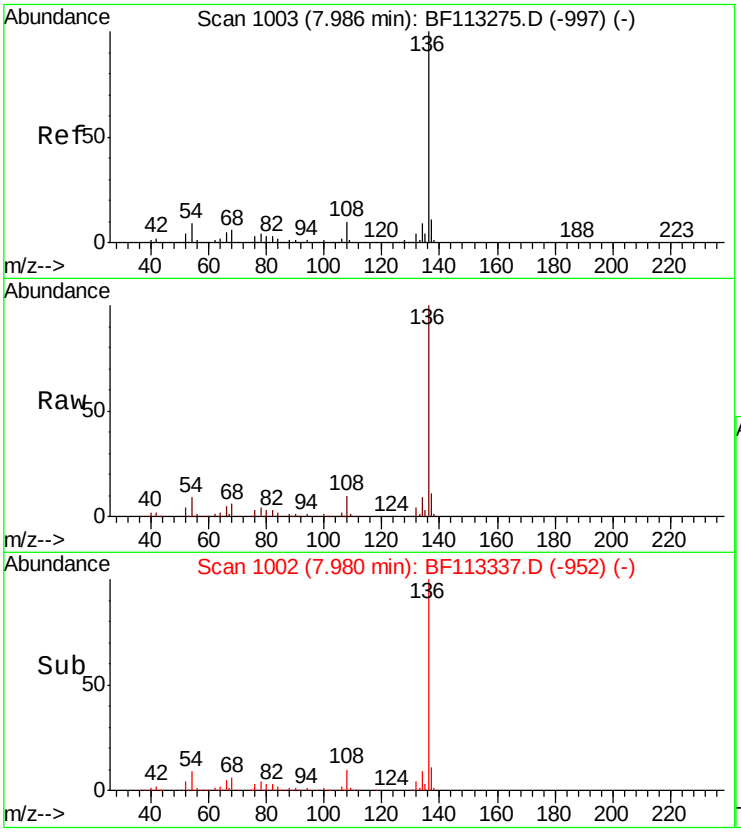


#10
Phenol
Concen: 2.103 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion: 94 Resp: 32996

Ion	Ratio	Lower	Upper
94	100		
65	25.4	21.4	61.4
66	41.1	46.4	86.4#



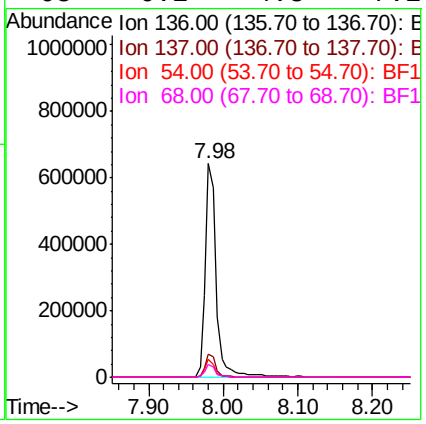


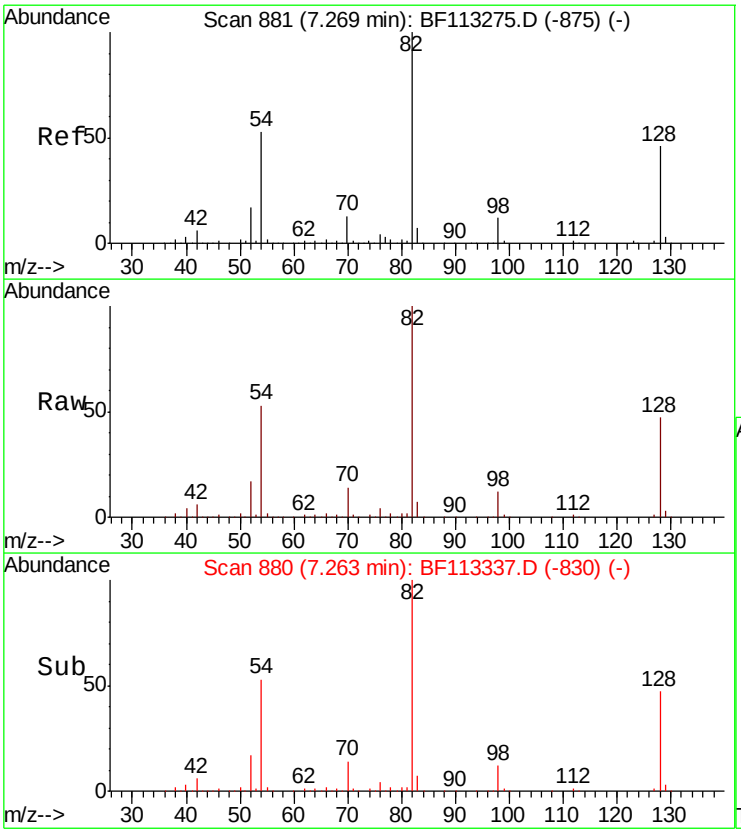
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:136 Resp: 664738

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	7.0	10.6
68	6.2	4.8	7.2

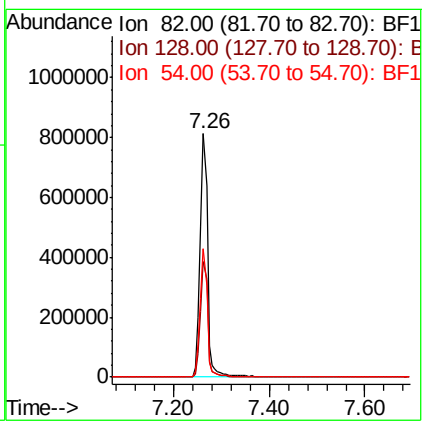


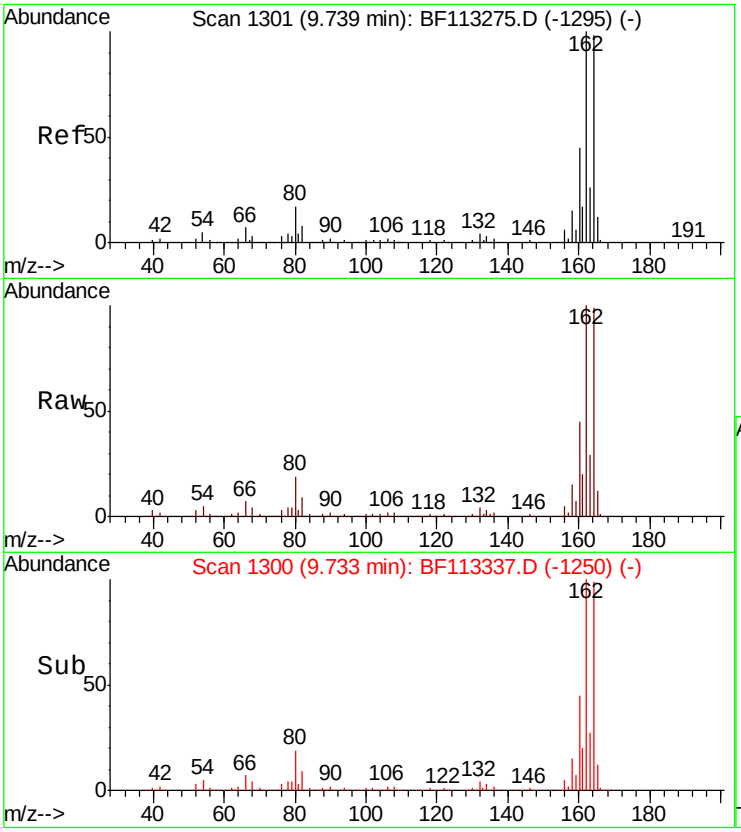


#23
Nitrobenzene-d5
Concen: 78.580 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion: 82 Resp: 880063

Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.5	54.7
54	52.6	42.2	63.2



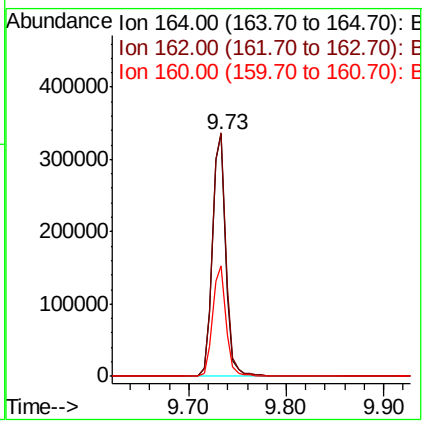


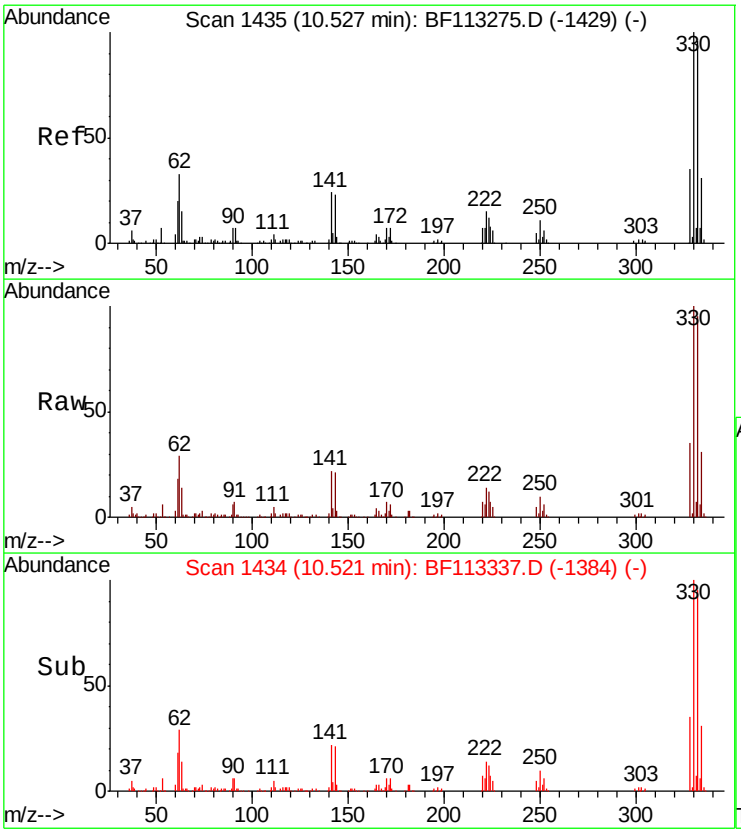
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:164 Resp: 316064

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.8	122.6
160	45.5	36.4	54.6

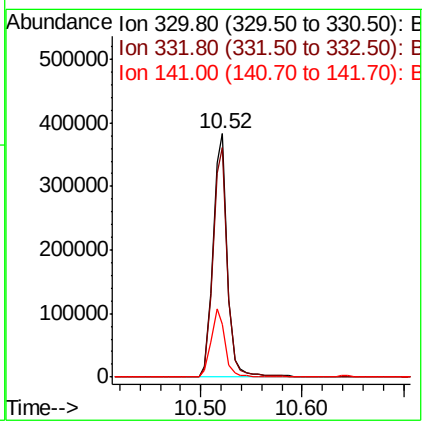


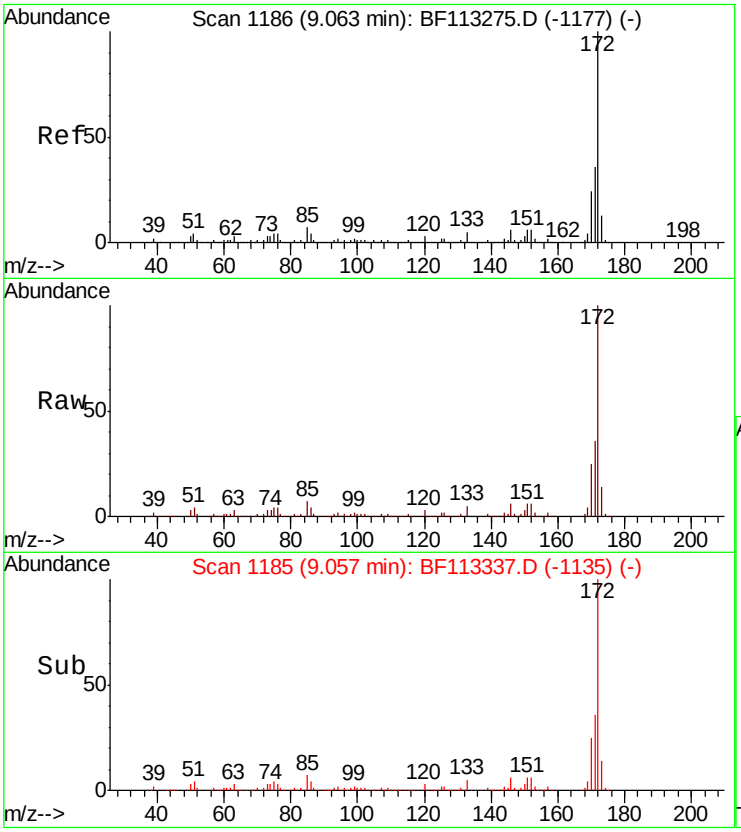


#42
2,4,6-Tribromophenol
Concen: 96.494 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:330 Resp: 376722

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.8	116.6
141	27.7	22.7	34.1



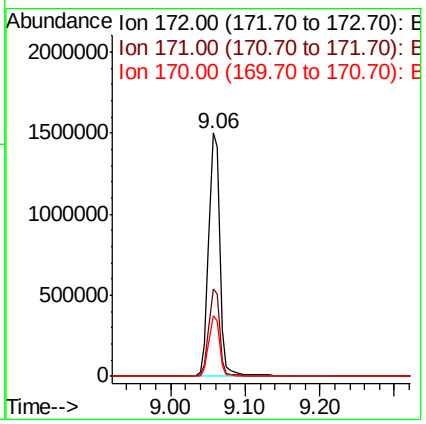


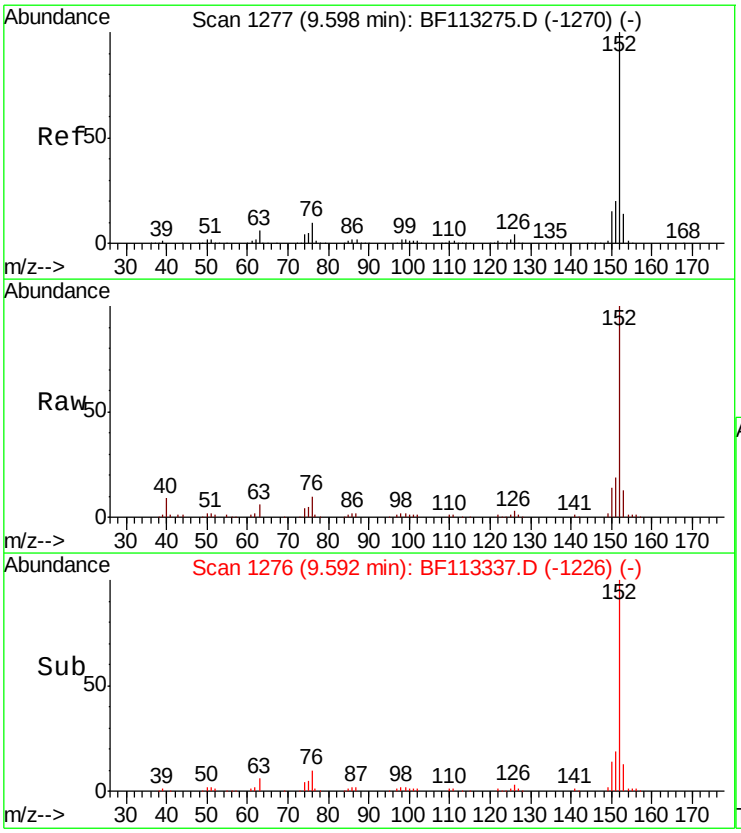
#45
2-Fluorobiphenyl
Concen: 76.175 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:172 Resp: 1573024

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.7	19.5	29.3

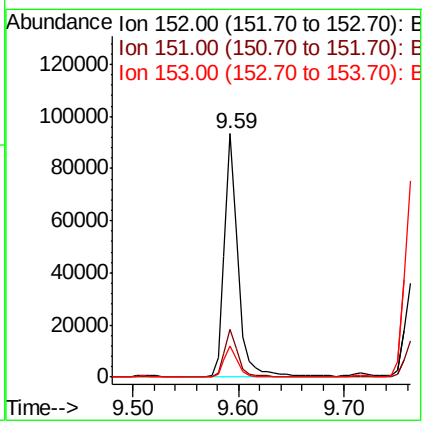


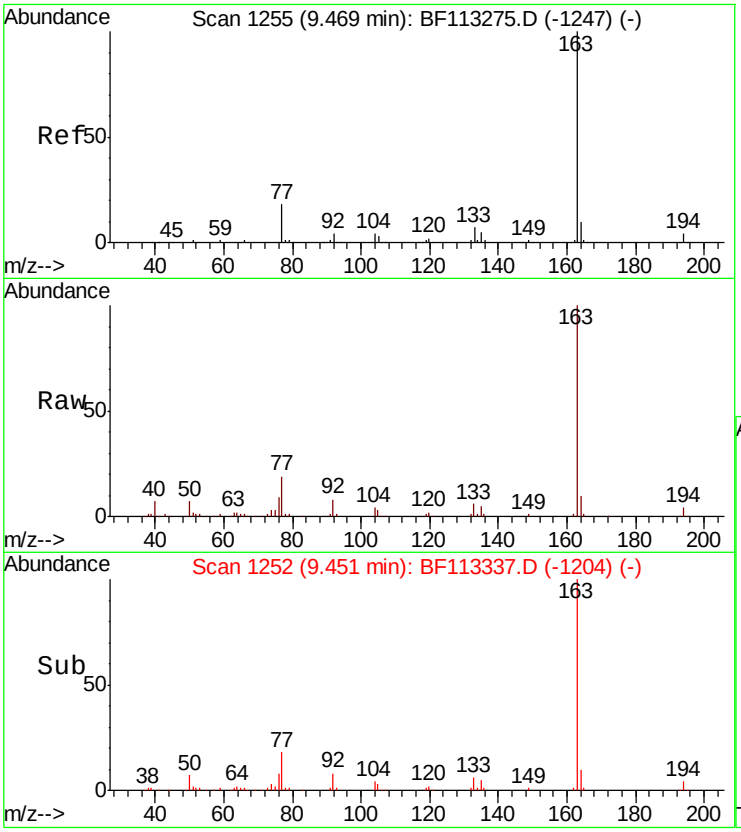


#49
Acenaphthylene
Concen: 2.600 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:152 Resp: 85430

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.4
153	12.9	11.0	16.6



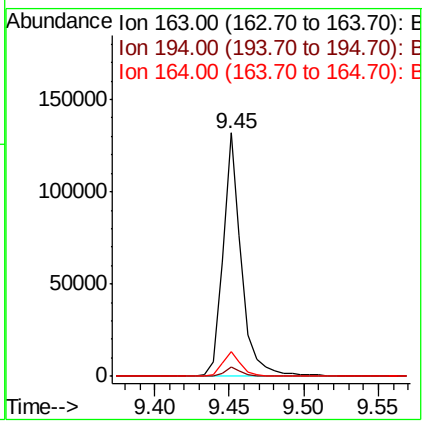


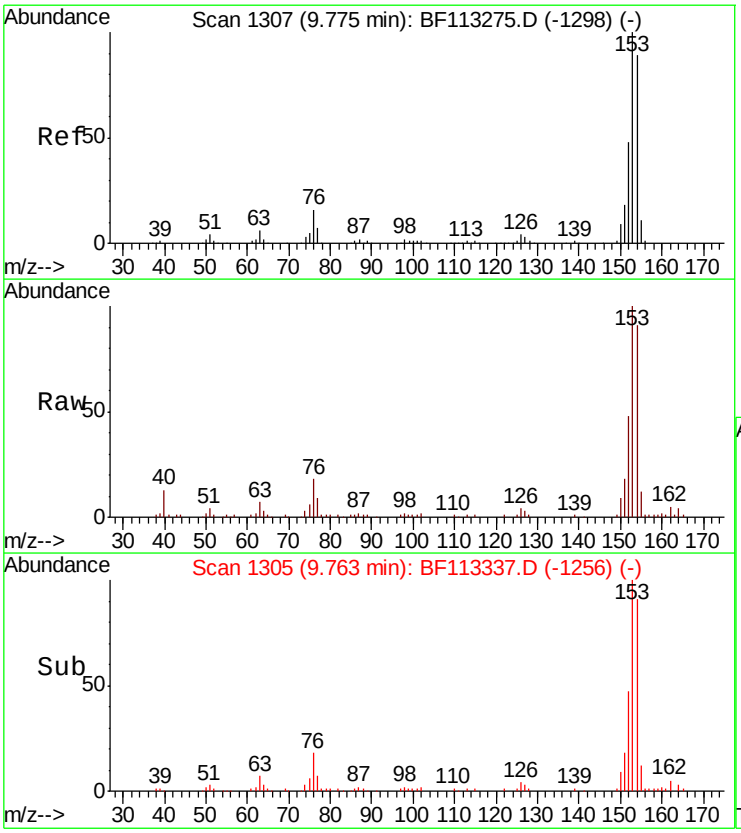
#50
Dimethylphthalate
Concen: 4.872 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:163 Resp: 114118

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.1	8.1	12.1

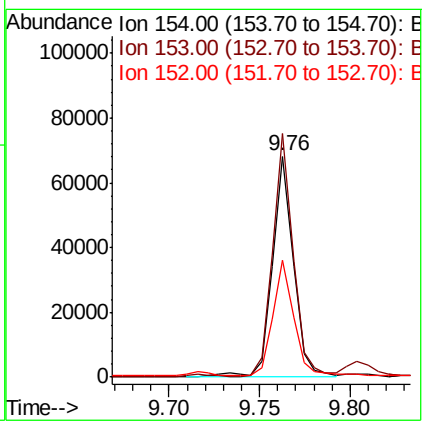


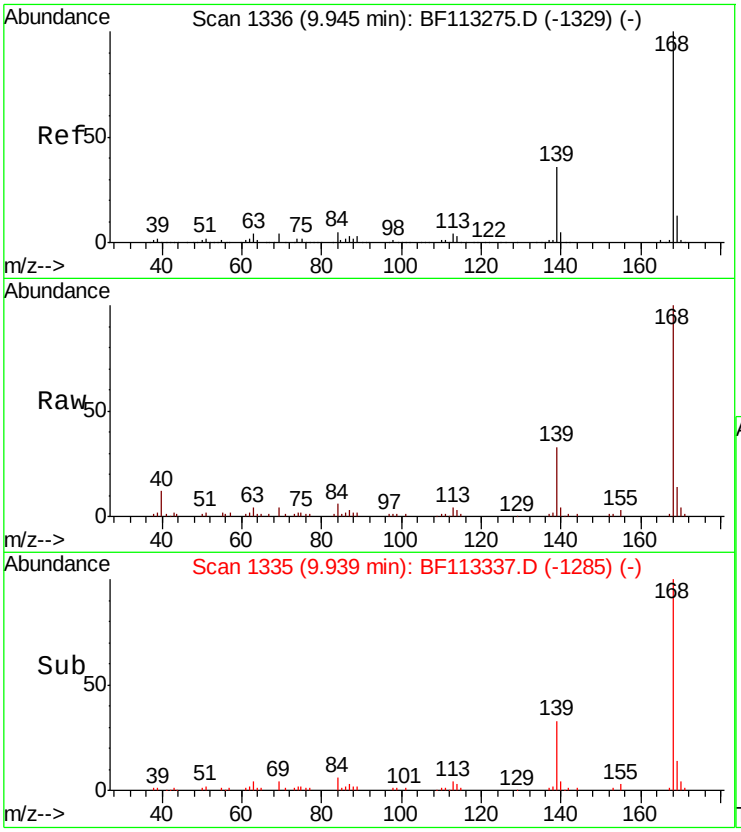


#52
Acenaphthene
Concen: 2.985 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:154 Resp: 55237

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.5	134.3
152	53.1	43.3	64.9



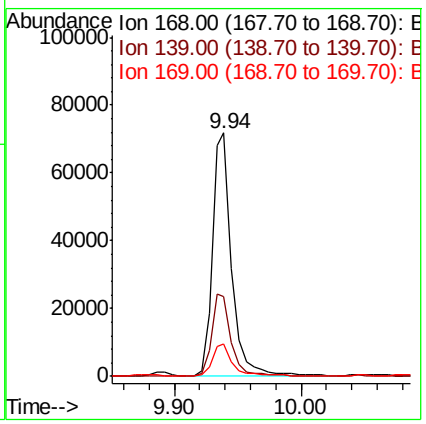


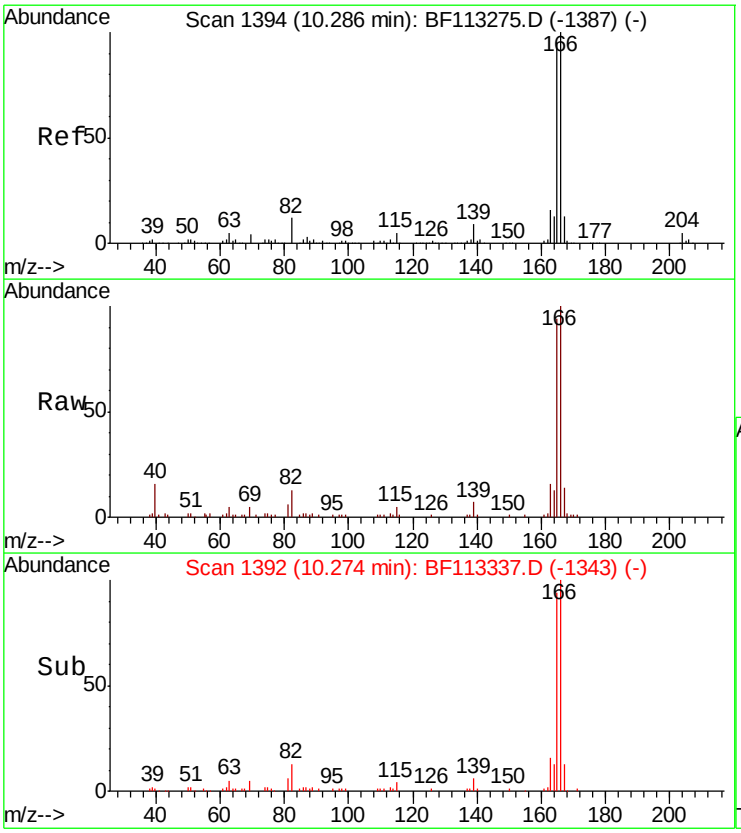
#55
Dibenzofuran
Concen: 2.763 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:168 Resp: 76868

Ion	Ratio	Lower	Upper
168	100		
139	32.9	29.7	44.5
169	13.5	10.7	16.1

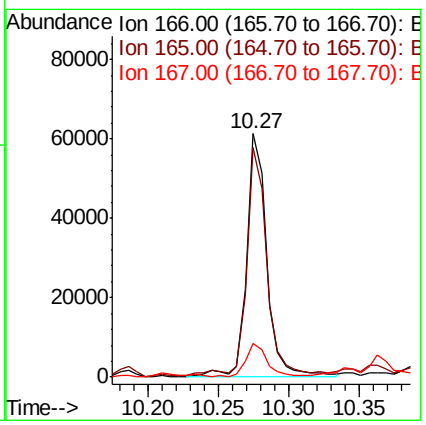


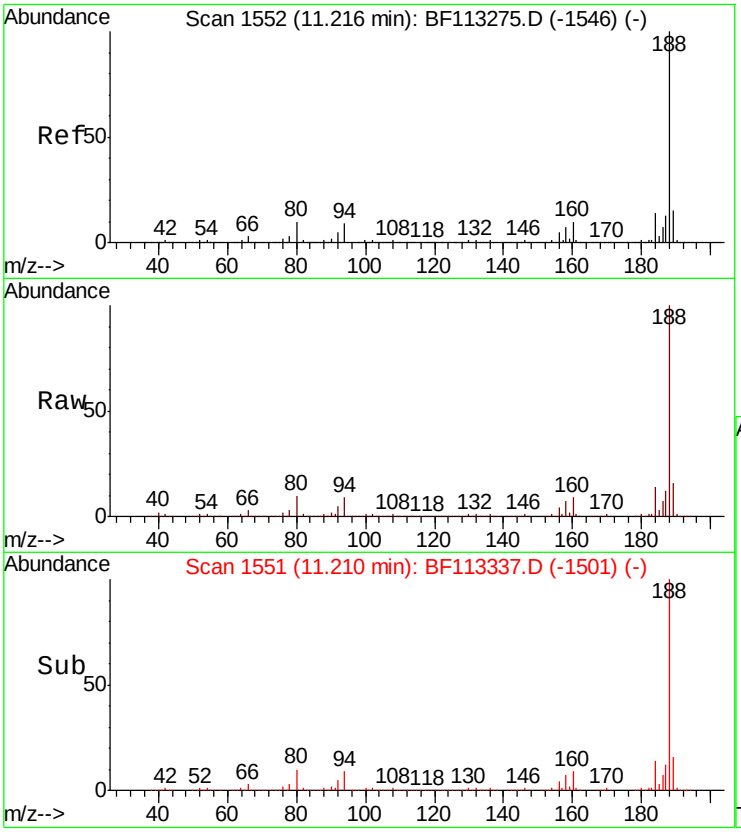


#58
Fluorene
Concen: 2.866 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:166 Resp: 61950

Ion	Ratio	Lower	Upper
166	100		
165	94.4	76.2	114.2
167	14.0	10.7	16.1



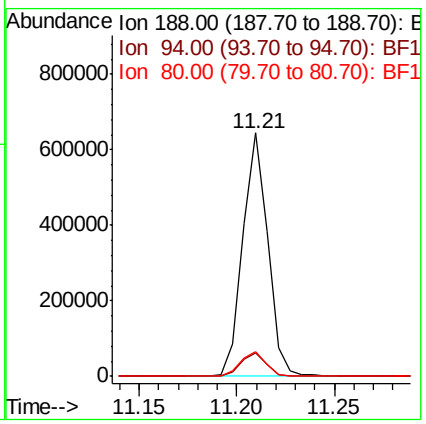


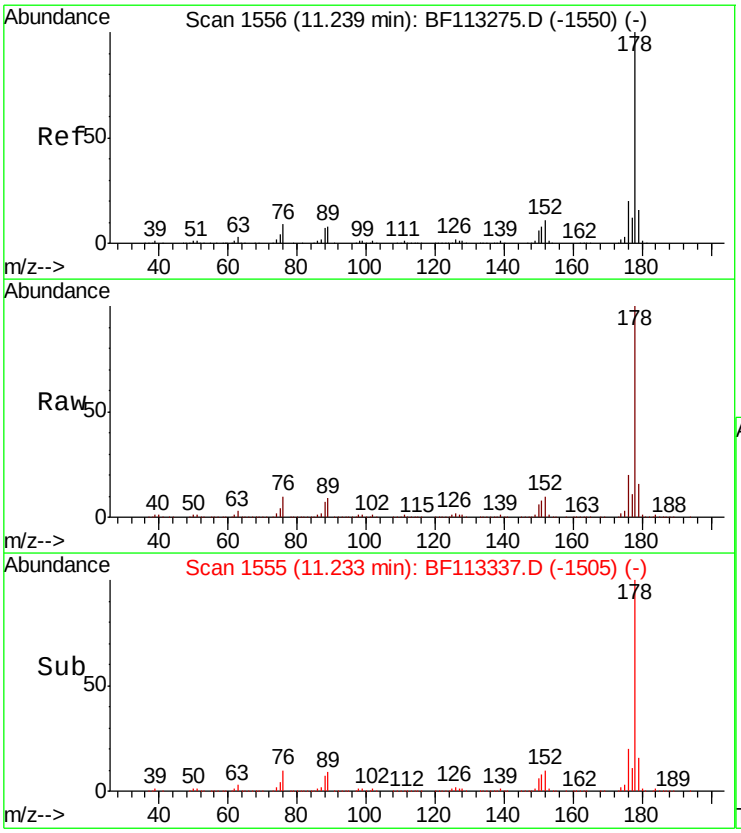
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:188 Resp: 574770

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.6
80	9.9	7.7	11.5

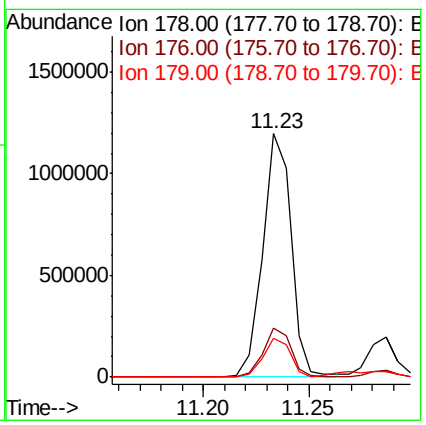


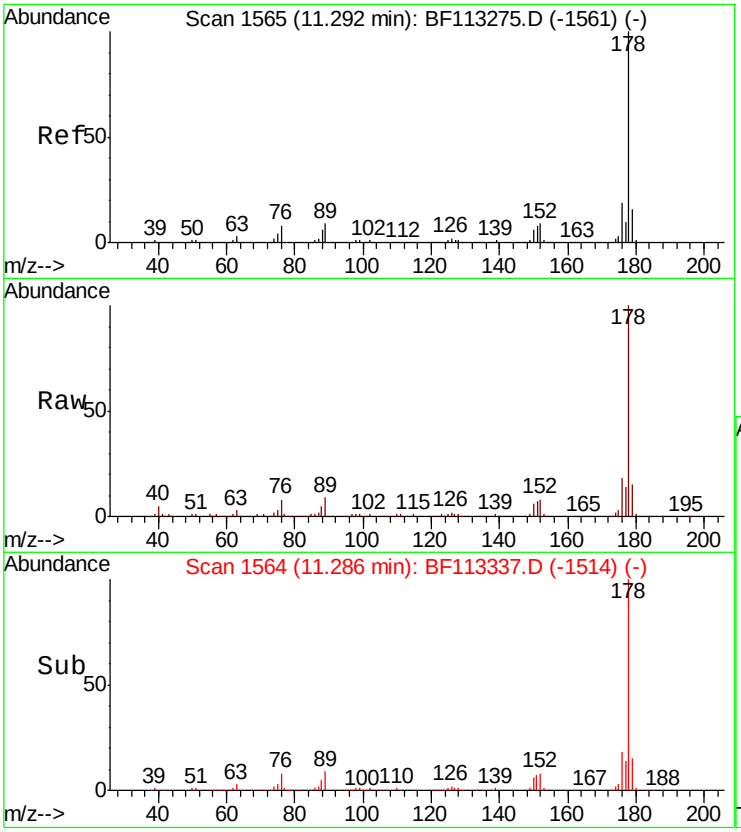


#71
Phenanthrene
Concen: 39.186 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:178 Resp: 1118497

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.2
179	16.0	12.7	19.1



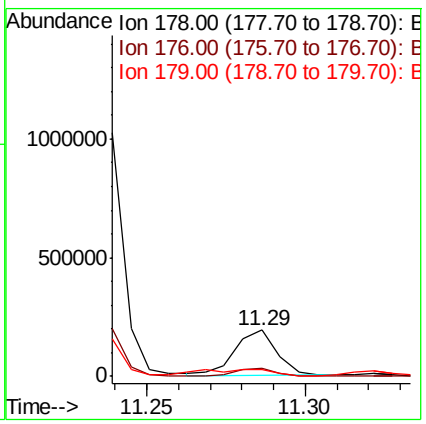


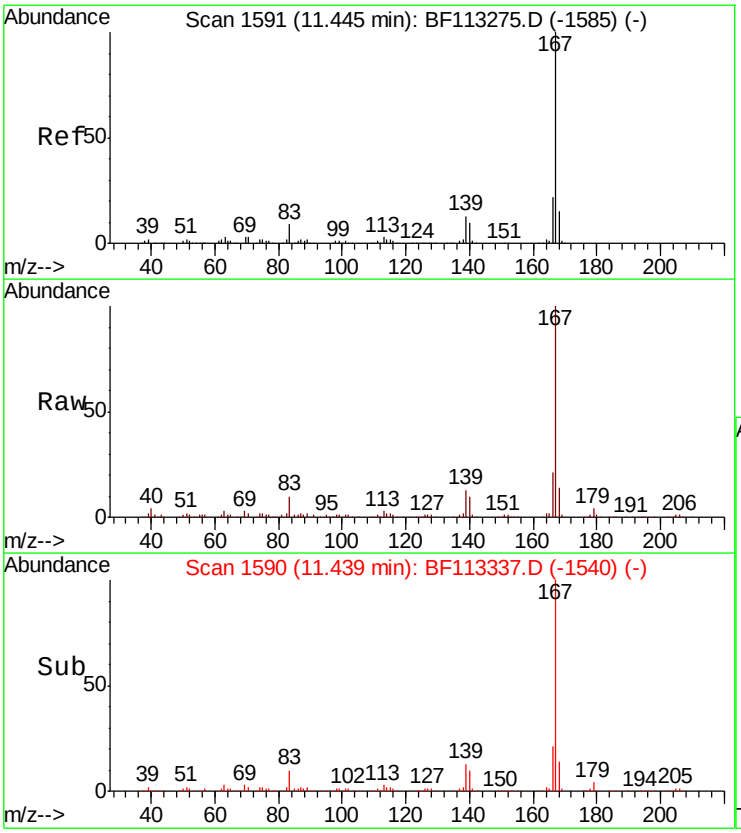
#72
Anthracene
Concen: 5.940 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:178 Resp: 172226

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.4	12.8	19.2

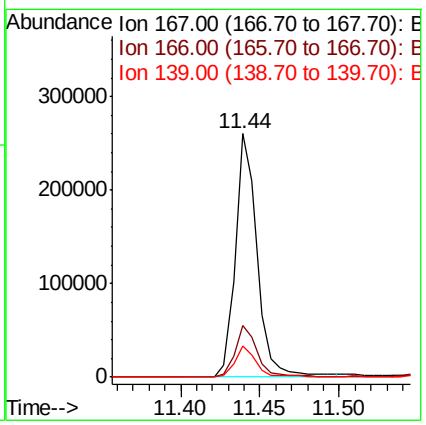


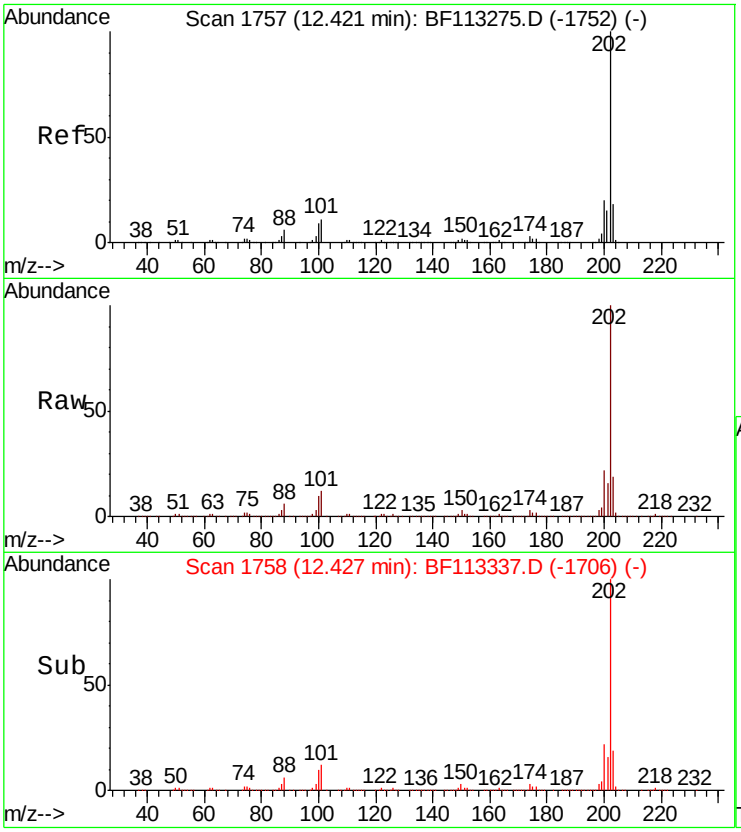


#73
Carbazole
Concen: 8.948 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:167 Resp: 247556

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.4	26.0
139	12.7	10.4	15.6



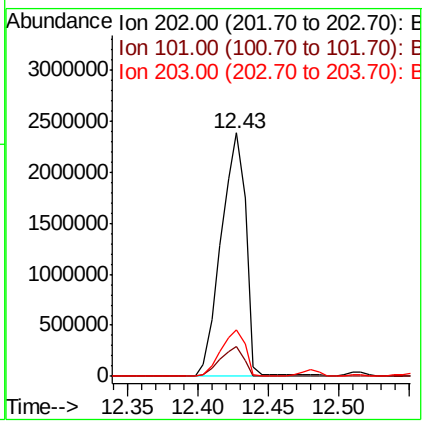


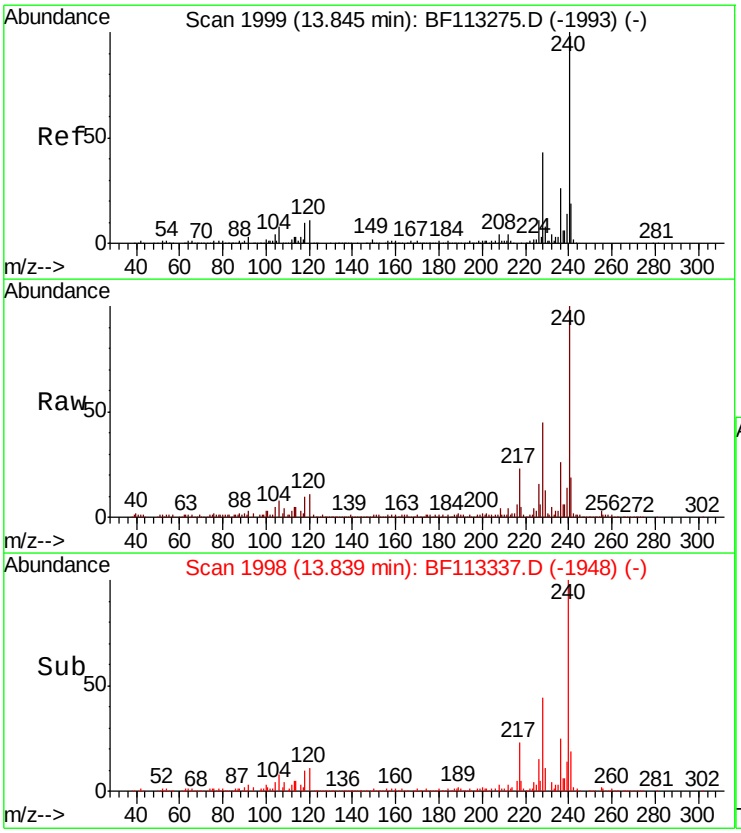
#75
Fluoranthene
Concen: 89.979 ng
RT: 12.43 min Scan# 1758
Delta R.T. 0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:202 Resp: 2903391

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.4
203	19.1	0.0	38.0

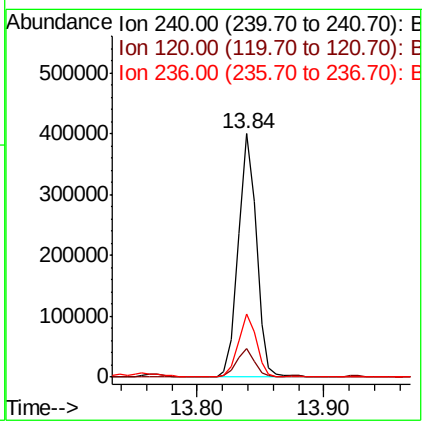


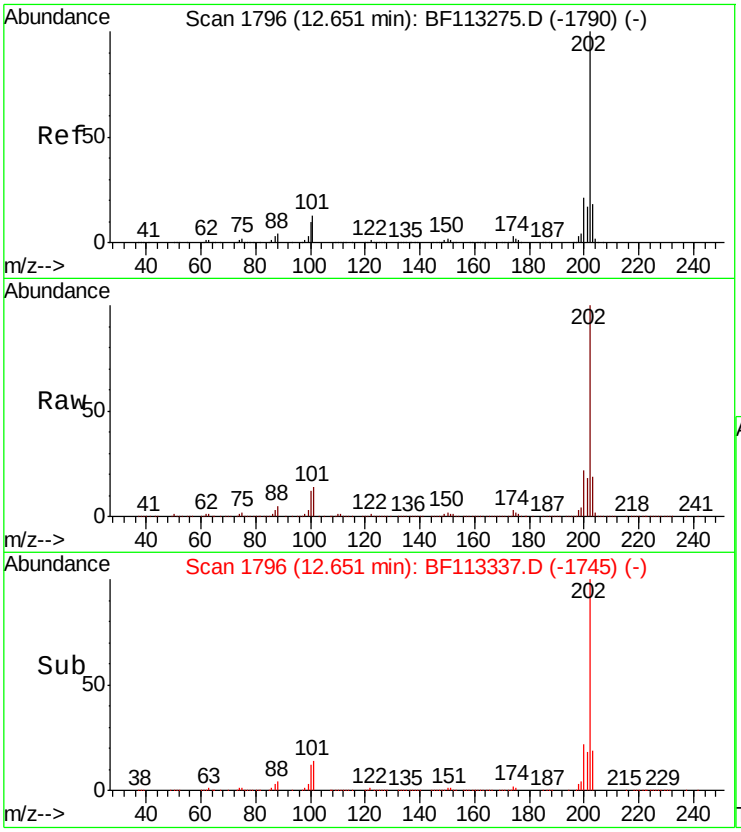


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:240 Resp: 391621

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.8	13.2
236	25.8	20.9	31.3



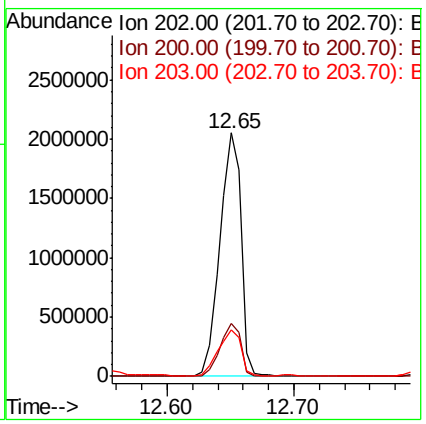


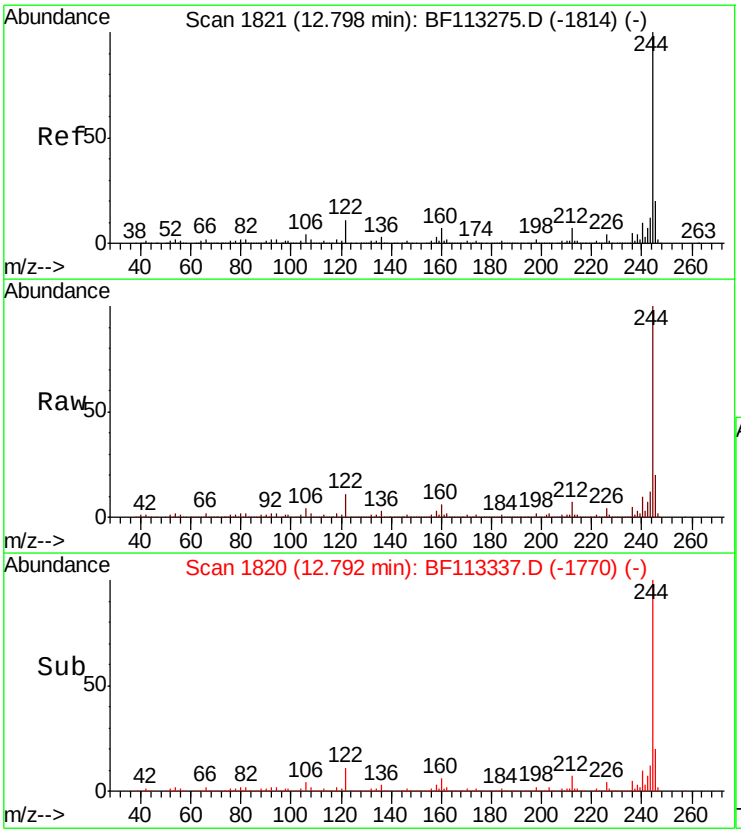
#78
Pyrene
Concen: 87.761 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:202 Resp: 2381653

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.8	25.2
203	19.2	14.4	21.6

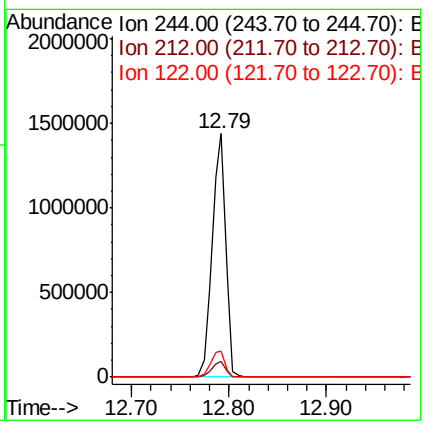


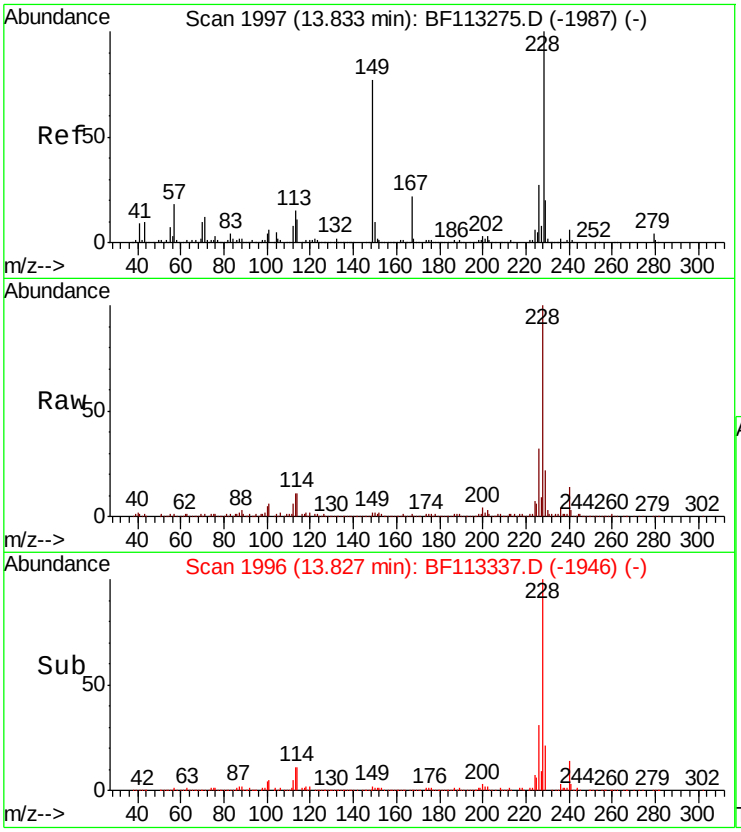


#79
Terphenyl-d14
Concen: 77.642 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:244 Resp: 1379492

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	10.9	8.6	13.0



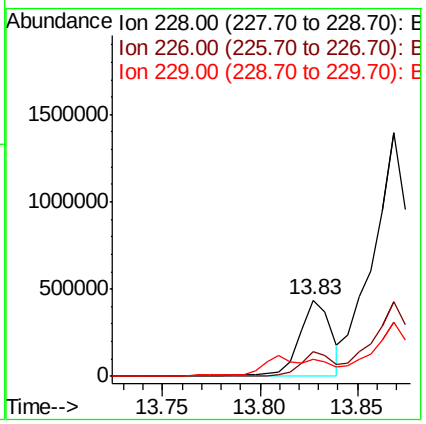


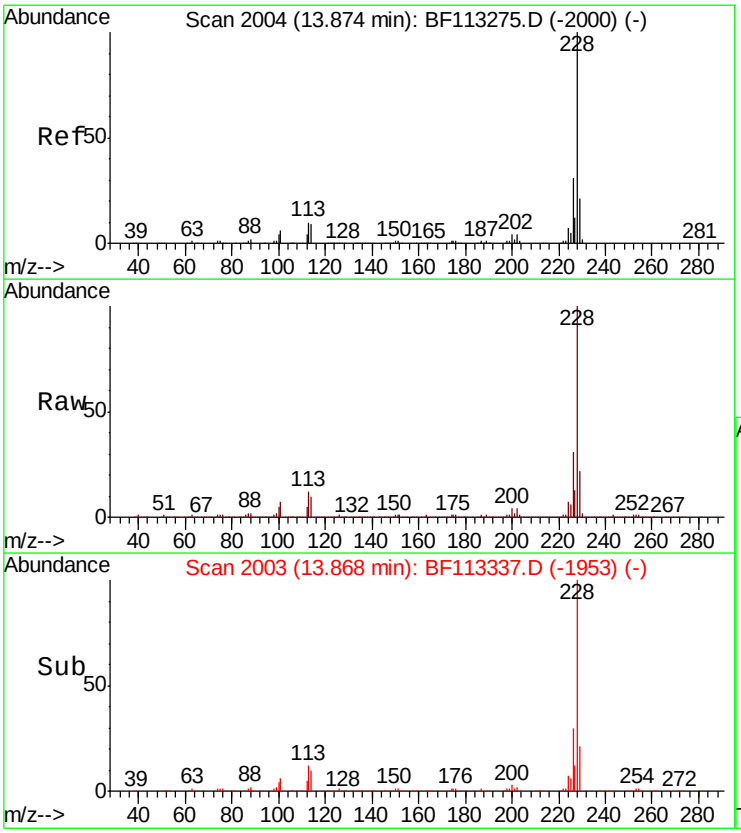
#81
Benzo(a)anthracene
Concen: 21.745 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:228 Resp: 487455

Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.8
229	21.9	16.2	24.4

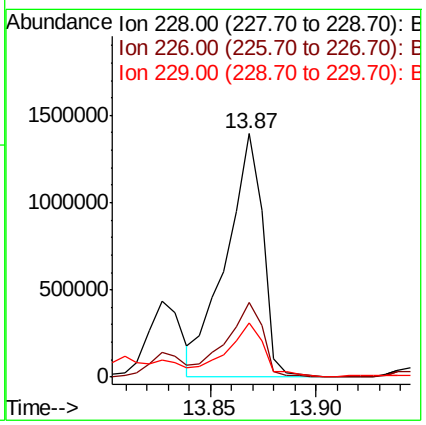


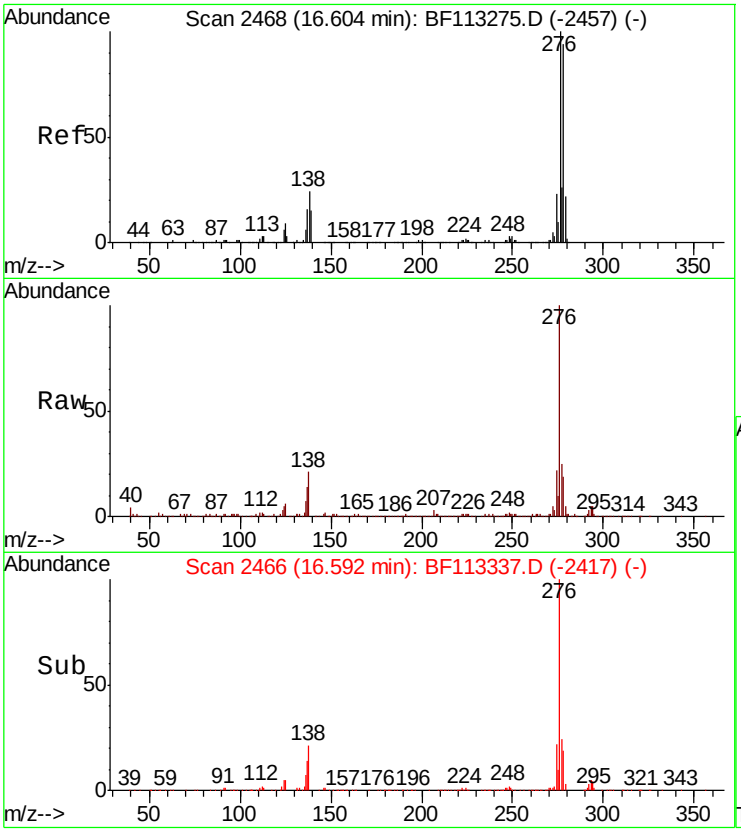


#83
Chrysene
Concen: 73.171 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:228 Resp: 1666078

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	22.0	16.3	24.5



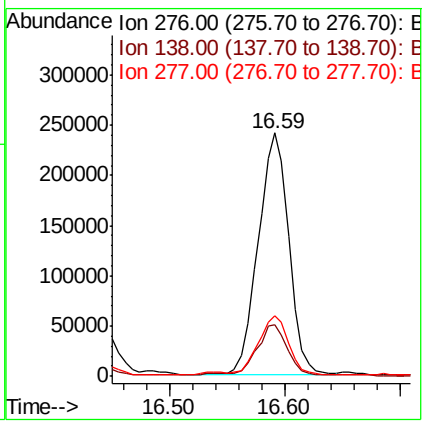


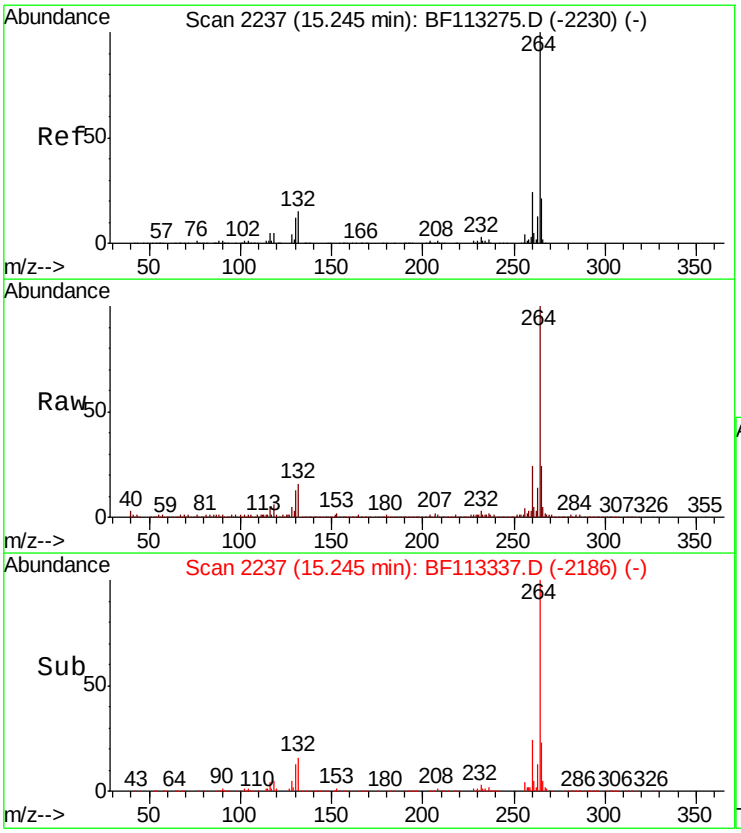
#86
Indeno(1,2,3-cd)pyrene
Concen: 22.797 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:276 Resp: 445492

Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.1	27.1
277	24.0	20.2	30.4

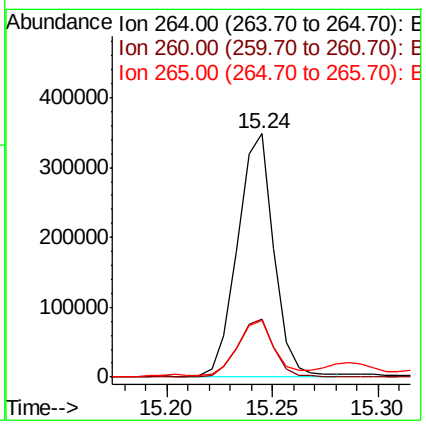


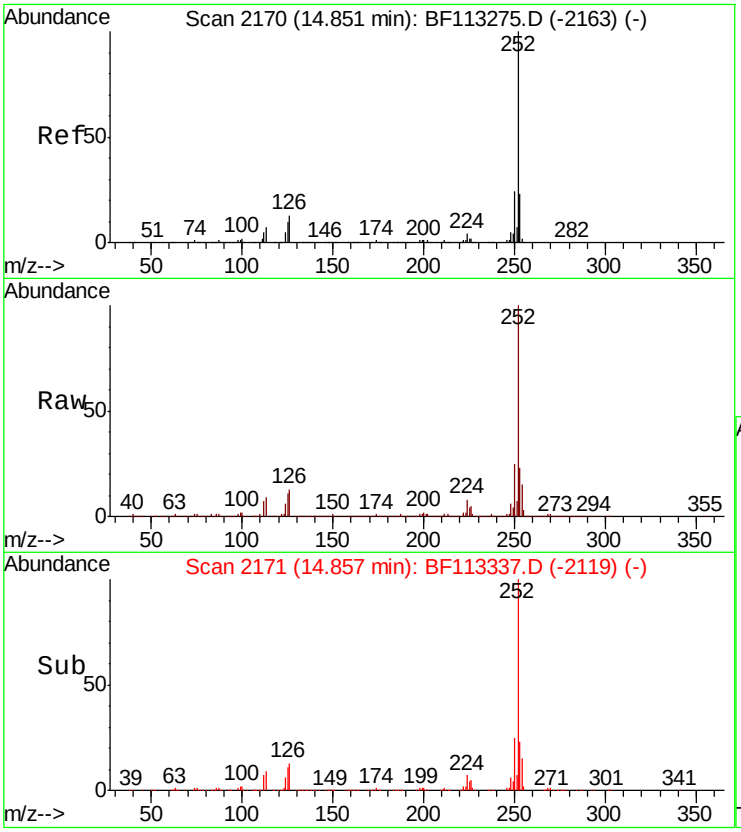


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:264 Resp: 411392

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	23.6	17.1	25.7



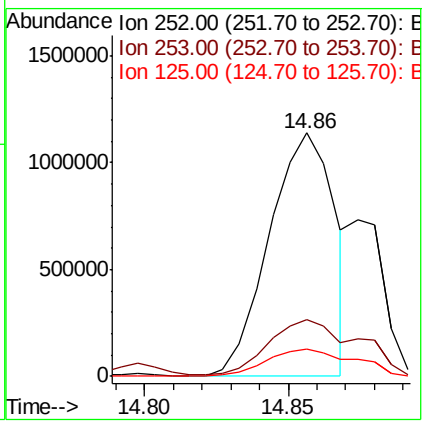


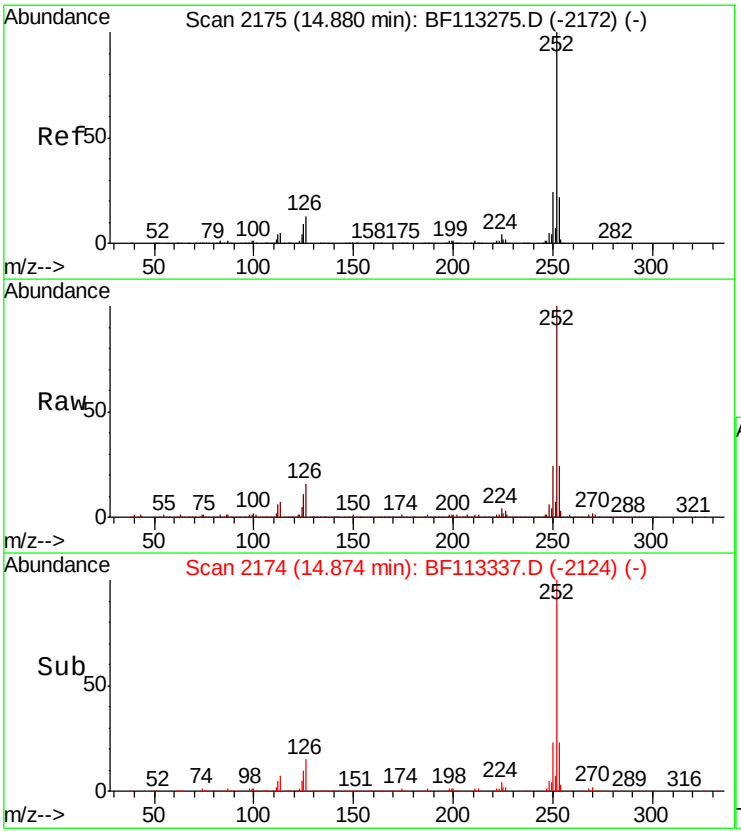
#88
Benzo(b)fluoranthene
Concen: 71.498 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:252 Resp: 1827173

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.3	7.6	11.4

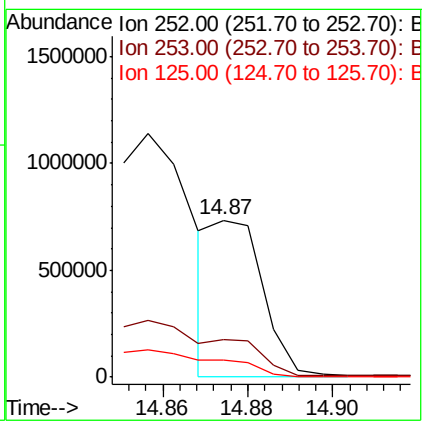


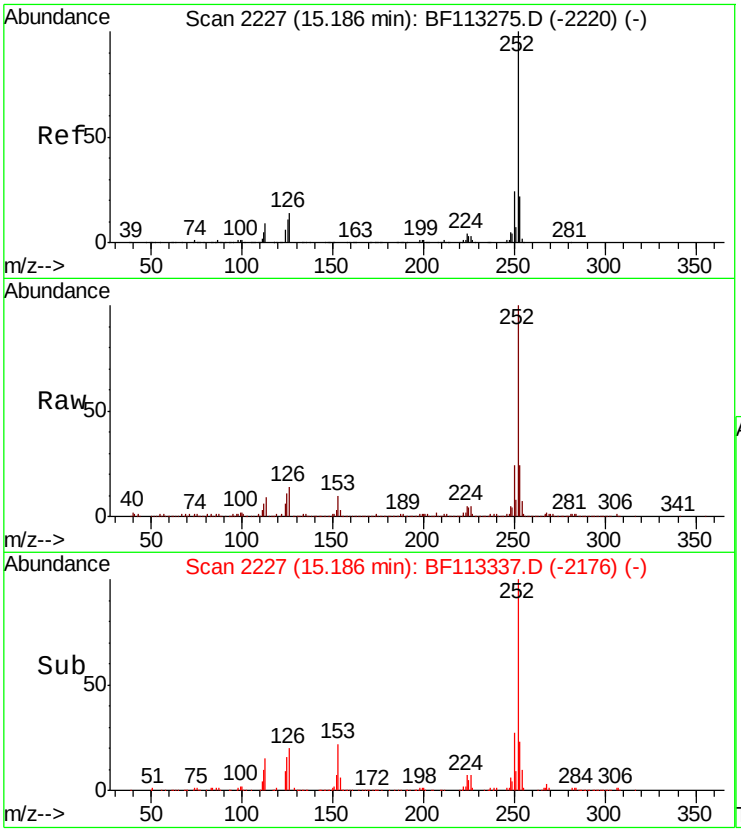


#89
Benzo(k)fluoranthene
Concen: 27.023 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:252 Resp: 606472

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	10.6	7.3	10.9



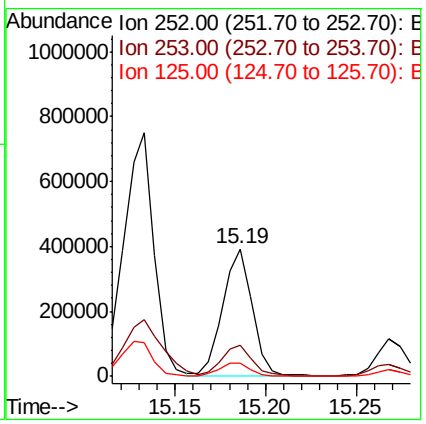


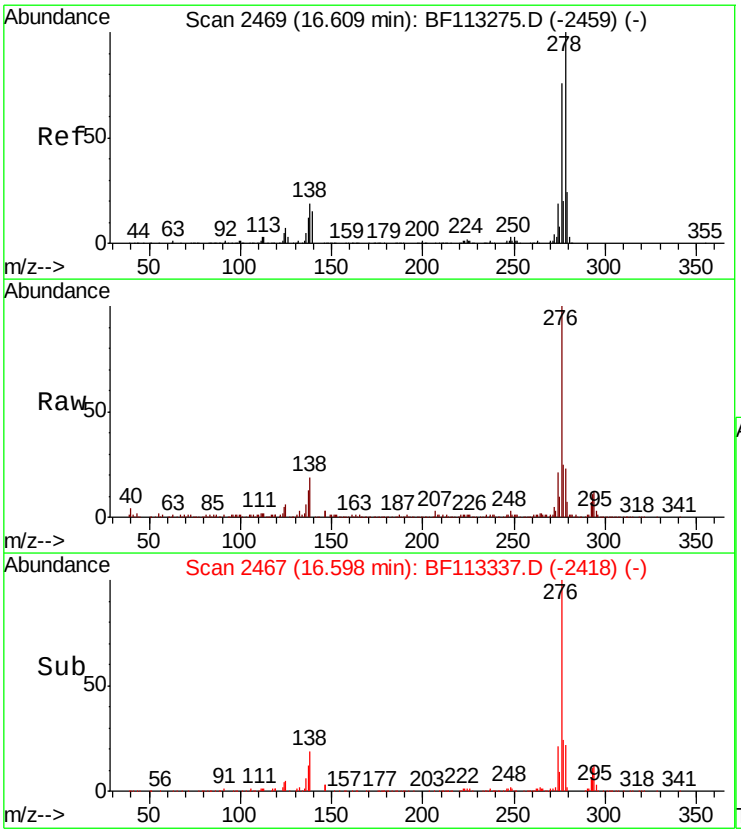
#90
Benzo(a)pyrene
Concen: 19.343 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:252 Resp: 438245

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	10.7	8.8	13.2

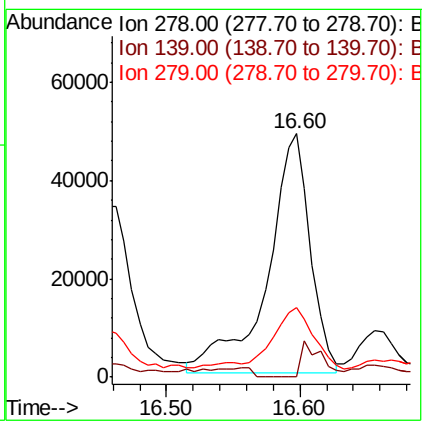


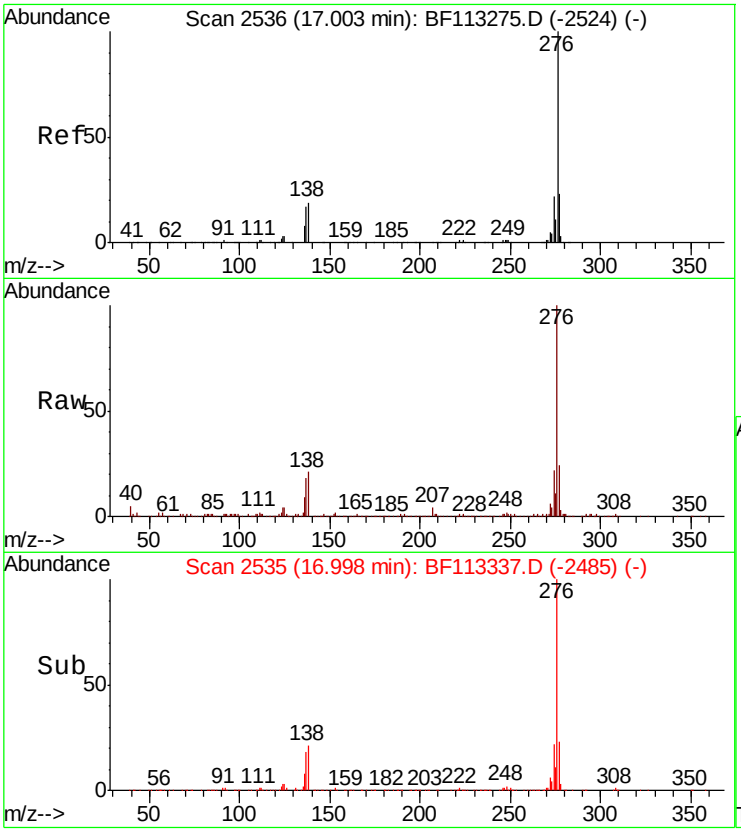


#91
Dibenzo(a,h)anthracene
Concen: 5.533 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Tgt Ion:278 Resp: 108387

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	28.5	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 18.699 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113337.D
Acq: 27 Mar 2019 18:13

Instrument :
BNA_F
ClientSampleId :
CS-18

Tgt Ion:276 Resp: 369340

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	21.4	15.6	23.4