Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
Data File : BF112678.D
Acq On : 22 Feb 2019 21:33
Operator : JU/SJ
Sample : K1572-02 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 30019

Quant Time: Feb 22 22:17:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	83984	20.00	ng		-0.03
21) Naphthalene-d8	8.10	136	326403	20.00	ng		-0.03
39) Acenaphthene-d10	9.85	164	142132	20.00	ng		-0.04
64) Phenanthrene-d10	11.34	188	213735	20.00	ng		-0.03
76) Chrysene-d12	13.98	240	162944	20.00	ng		-0.03
87) Perylene-d12	15.45	264	157200	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	161326	40.80	ng		-0.02
7) Phenol-d6	6.48	99	212565	38.69	ng		-0.01
23) Nitrobenzene-d5	7.38	82	126229	22.28	ng		-0.03
42) 2,4,6-Tribromophenol	10.65	330	48119	29.09	ng		-0.03
45) 2-Fluorobiphenyl	9.17	172	265524	26.42	ng		-0.04
79) Terphenyl-d14	12.91	244	187847	21.71	ng		-0.04
Target Compounds							Qvalue
11) bis(2-Chloroethyl)ether	6.51	93	10009	2.109	ng	#	28
18) Hexachloroethane	7.35	117	6803	3.039	ng	#	1
37) 2-Methylnaphthalene	8.82	142	43516	4.164	ng	#	94
38) 1-Methylnaphthalene	8.82	142	43516	4.345	ng		99
71) Phenanthrene	11.36	178	253879	22.848	ng		97
72) Anthracene	11.36	178	253879	22.937	ng		98
73) Carbazole	11.58	167	39466	3.615	ng	#	95
75) Fluoranthene	12.56	202	367022	30.796	ng		97
78) Pyrene	12.79	202	273791	24.269	ng		98
81) Benzo(a)anthracene	13.97	228	96747	10.100	ng		97
83) Chrysene	14.01	228	125677	13.745	ng		99
84) Bis(2-ethylhexyl)phthalate	13.93	149	28841	3.723	ng		98
86) Indeno(1,2,3-cd)pyrene	16.95	276	59506	8.213	ng	#	91
88) Benzo(b)fluoranthene	15.03	252	200604	21.338	ng		98
89) Benzo(k)fluoranthene	15.03	252	200604	22.277	ng		99
90) Benzo(a)pyrene	15.39	252	82692	9.775	ng	#	96
92) Benzo(g,h,i)perylene	17.40	276	53760	8.358	ng		94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
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Acq On : 22 Feb 2019 21:33
Operator : JU/SJ
Sample : K1572-02 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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30019

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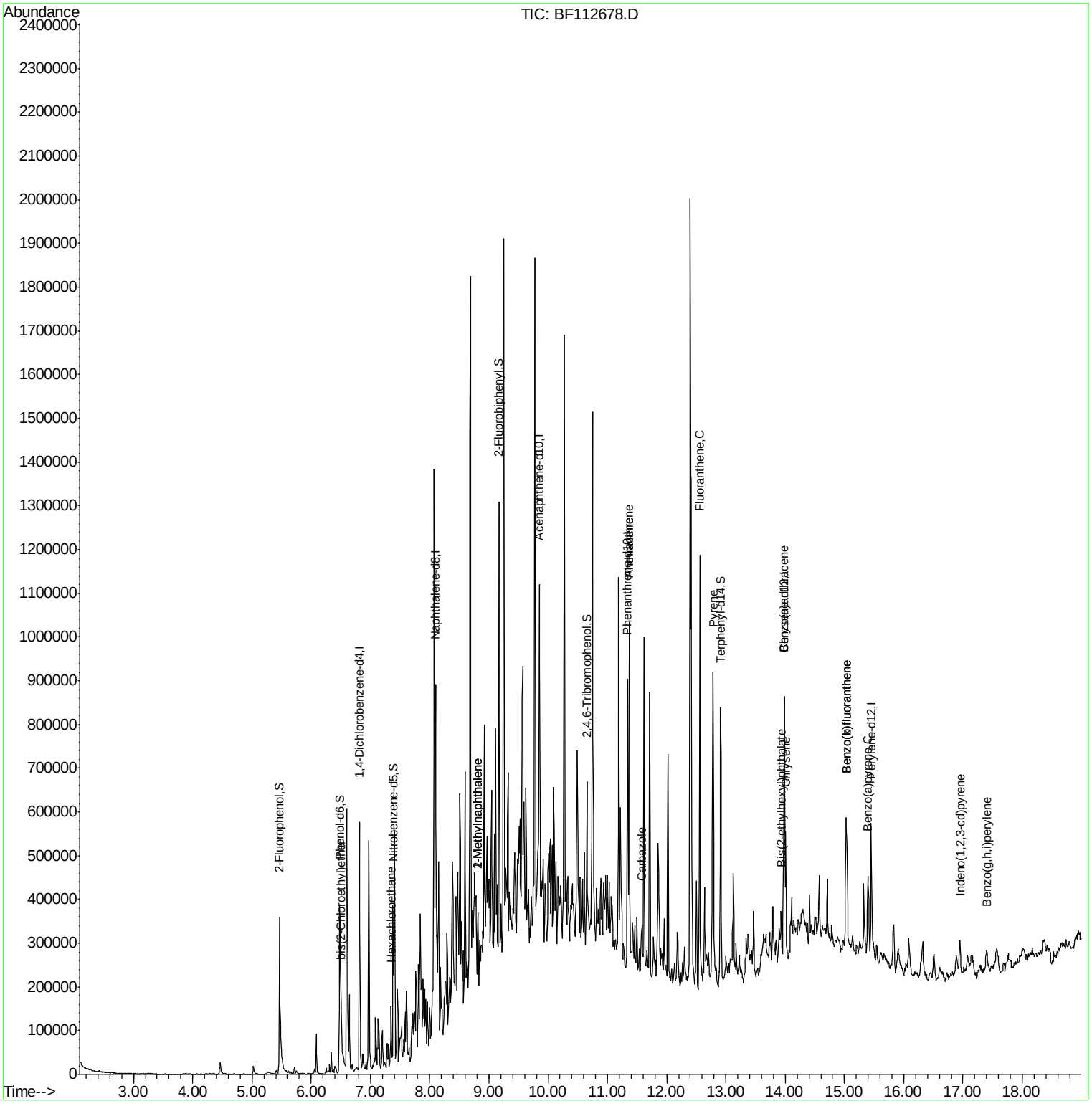
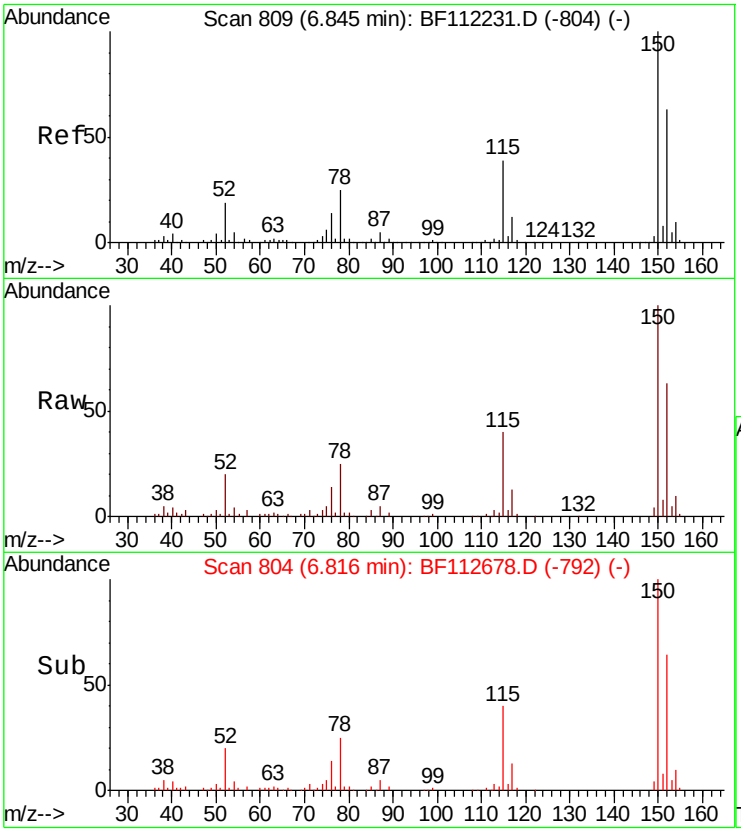


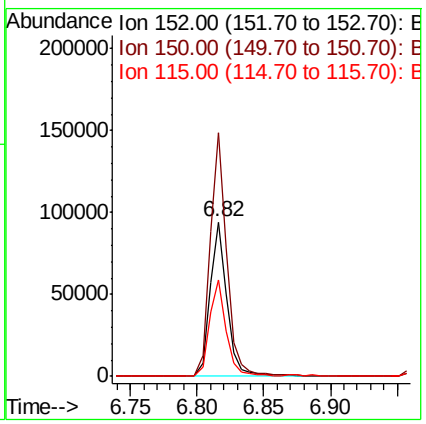


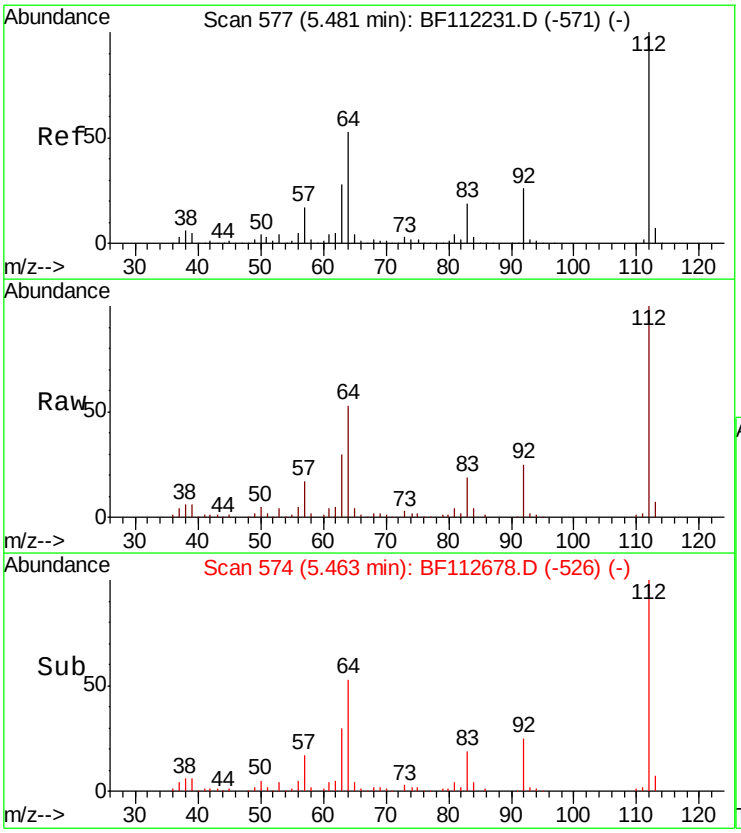
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:152 Resp: 83984

Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	62.6	45.5	68.3

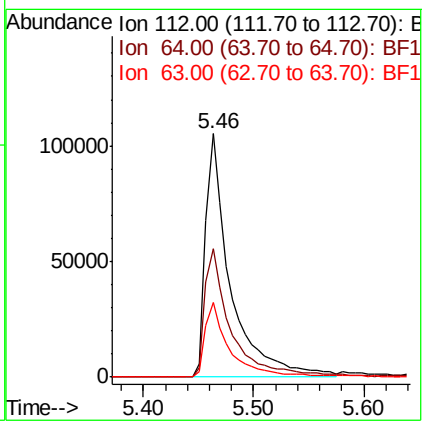


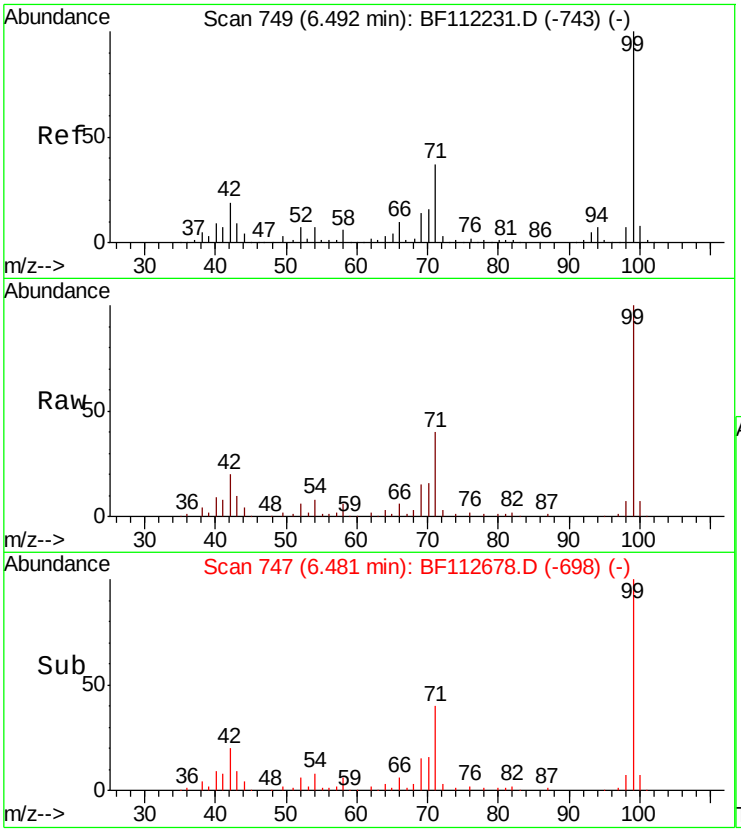


#5
2-Fluorophenol
Concen: 40.801 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:112 Resp: 161326

Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.7	68.5
63	30.5	23.6	35.4



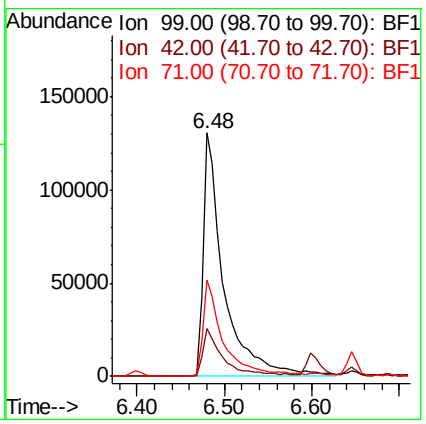


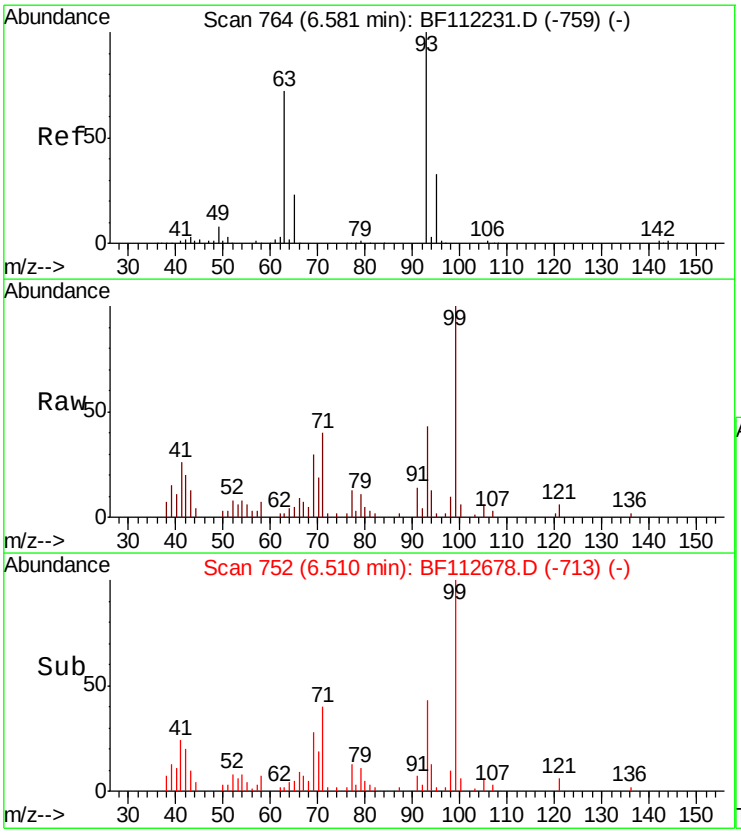
#7
Phenol-d6
Concen: 38.689 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion: 99 Resp: 212565

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.1	22.7
71	39.6	26.9	40.3

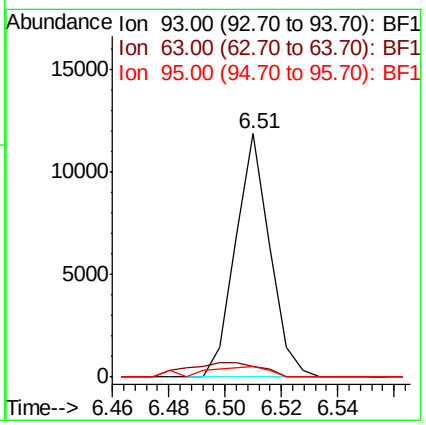


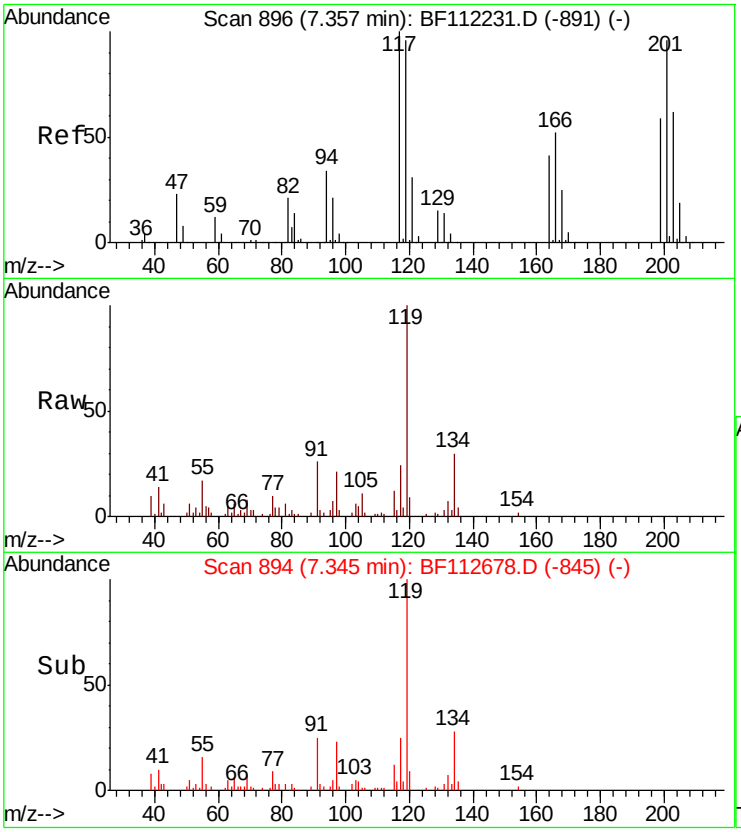


#11
bis(2-Chloroethyl)ether
Concen: 2.109 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.07 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion: 93 Resp: 10009

Ion	Ratio	Lower	Upper
93	100		
63	4.4	53.3	93.3#
95	4.4	13.4	53.4#



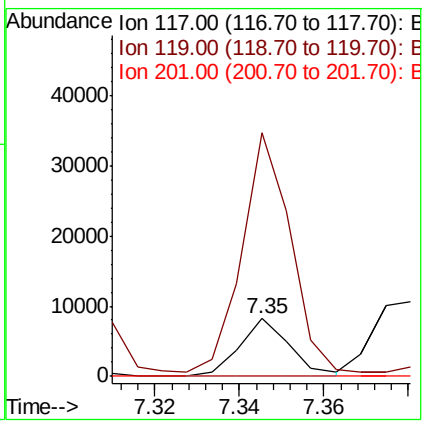


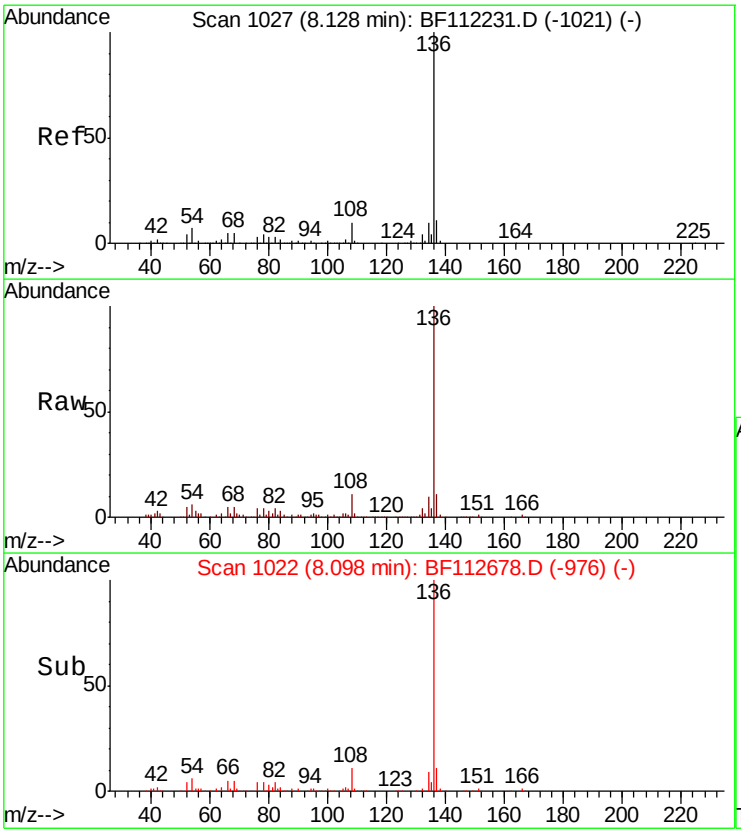
#18
Hexachloroethane
Concen: 3.039 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:117 Resp: 6803

Ion	Ratio	Lower	Upper
117	100		
119	420.7	77.0	115.4#
201	0.0	74.1	111.1#

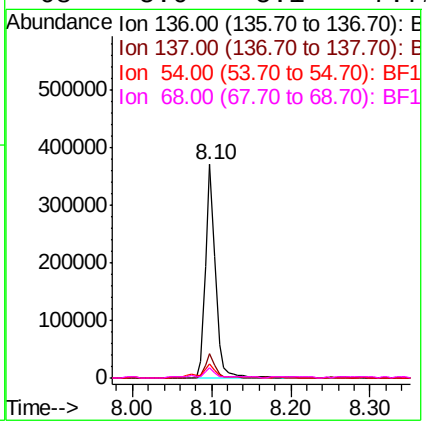


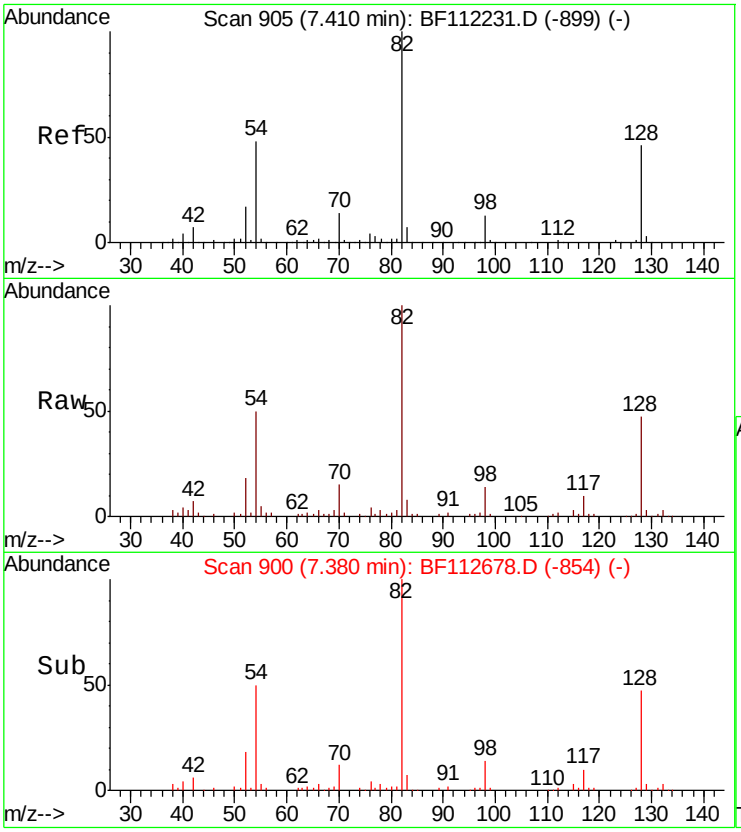


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:136 Resp: 326403

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.4	5.9	8.9
68	5.0	5.1	7.7#



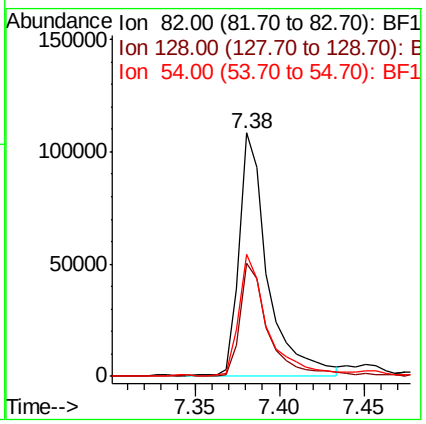


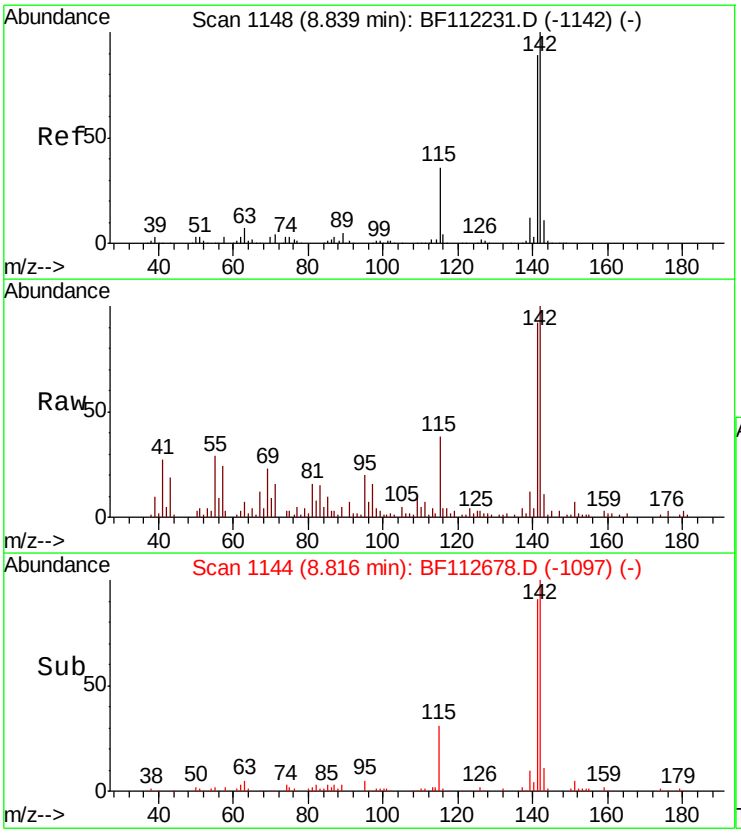
#23
Nitrobenzene-d5
Concen: 22.283 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion: 82 Resp: 126229

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	50.1	39.7	59.5

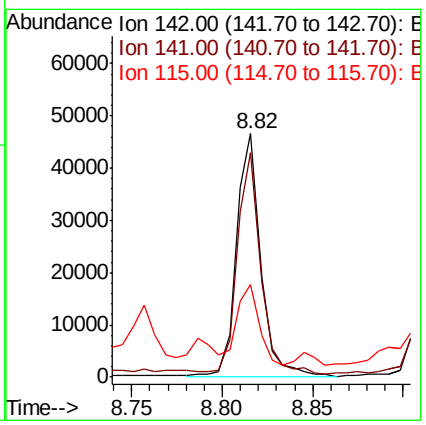


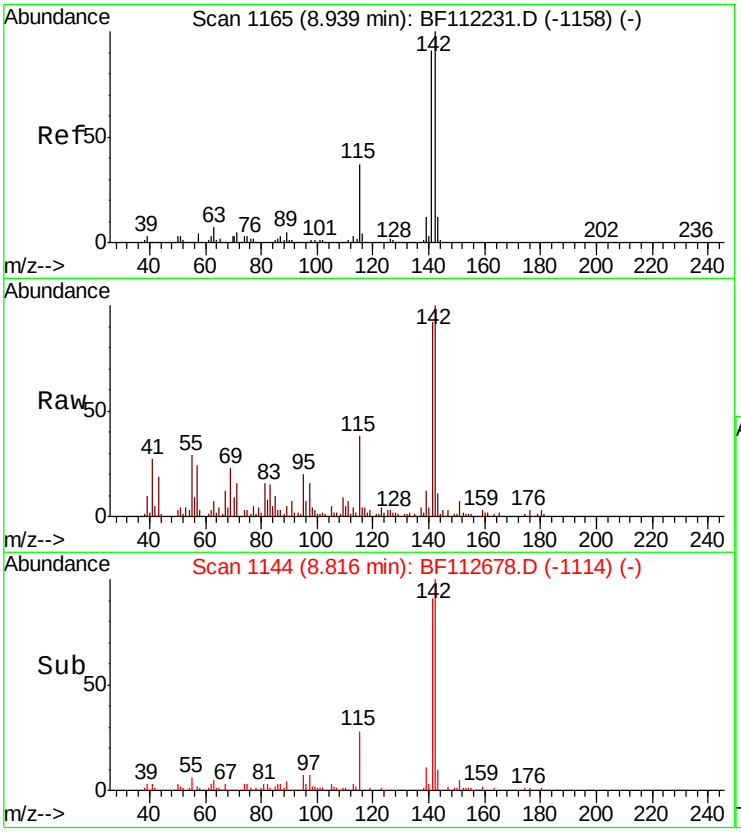


#37
2-Methylnaphthalene
Concen: 4.164 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:142 Resp: 43516

Ion	Ratio	Lower	Upper
142	100		
141	92.0	70.9	106.3
115	37.9	24.9	37.3#



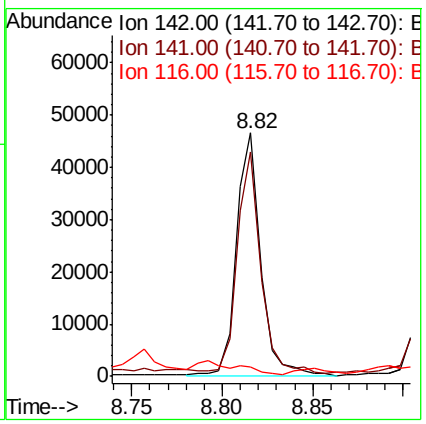


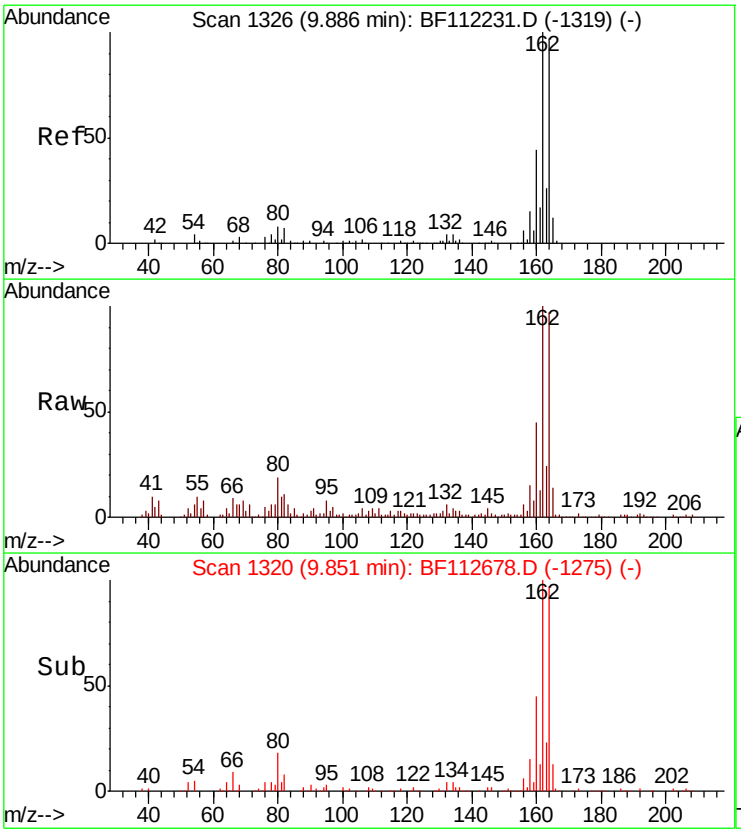
#38
1-Methylnaphthalene
Concen: 4.345 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.12 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:142 Resp: 43516

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.6	108.8
116	3.7	2.8	4.2

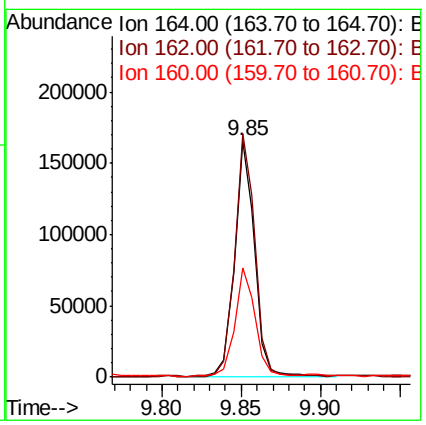


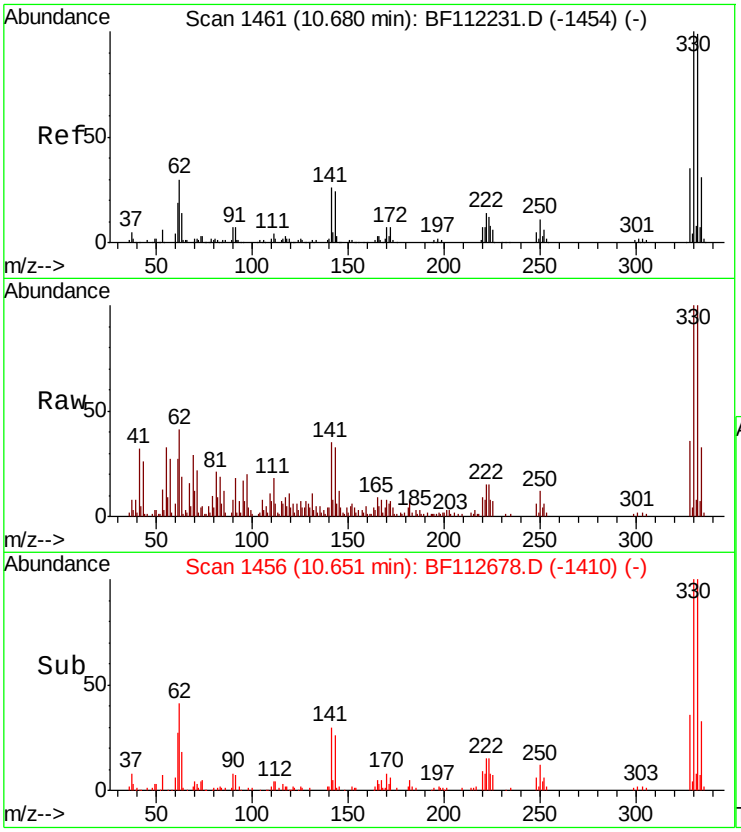


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:164 Resp: 142132

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.2	123.4
160	46.5	36.2	54.4



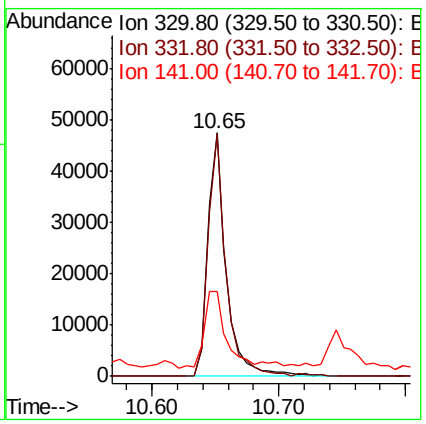


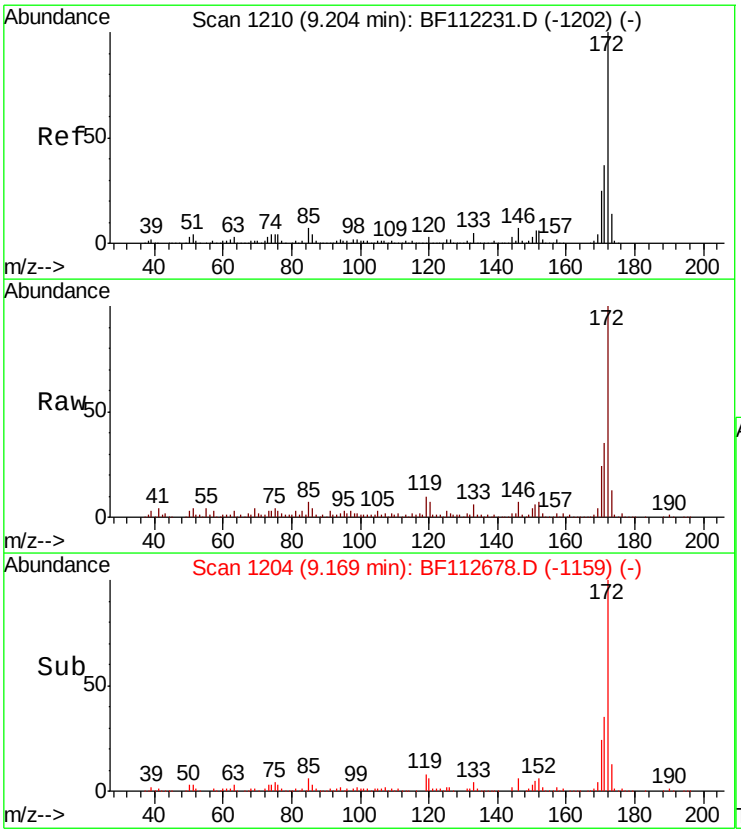
#42
2,4,6-Tribromophenol
Concen: 29.086 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:330 Resp: 48119

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	37.7	24.3	36.5#

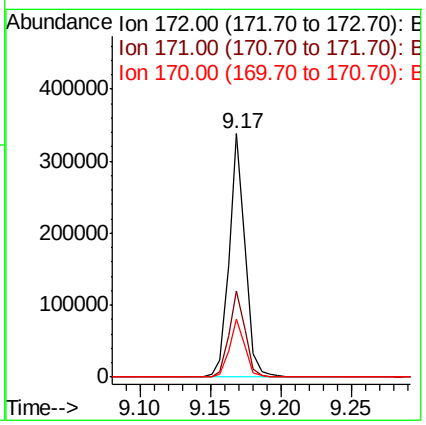


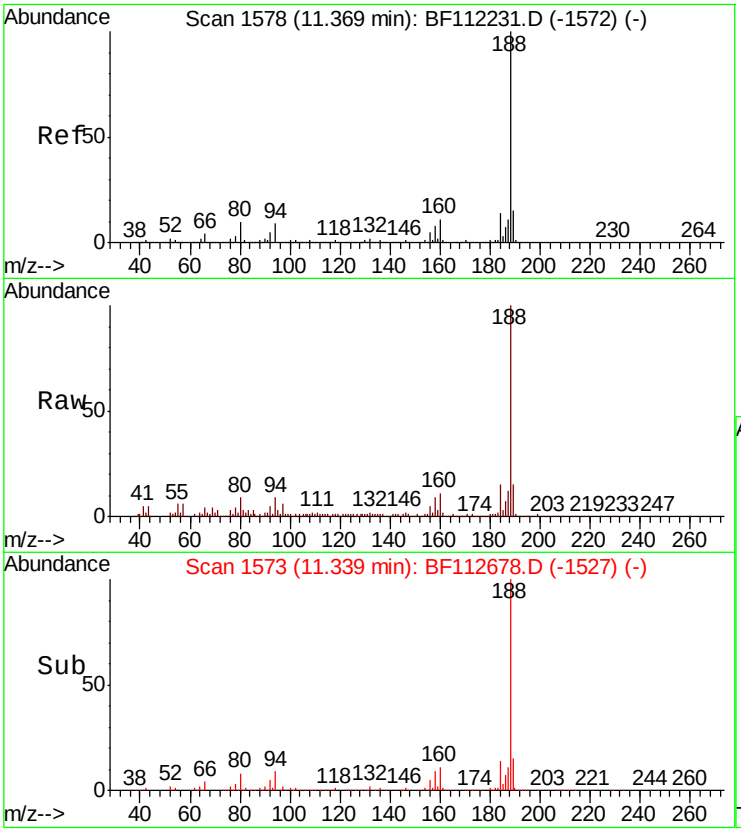


#45
2-Fluorobiphenyl
Concen: 26.422 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:172 Resp: 265524

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.5	45.7
170	23.6	20.2	30.4



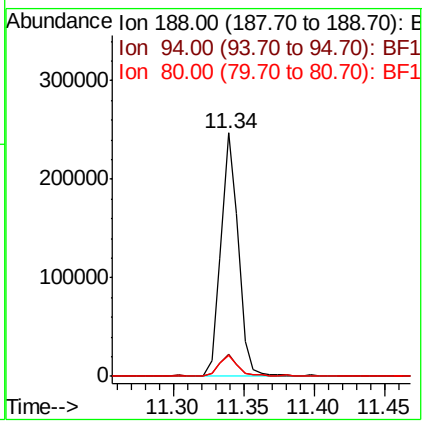


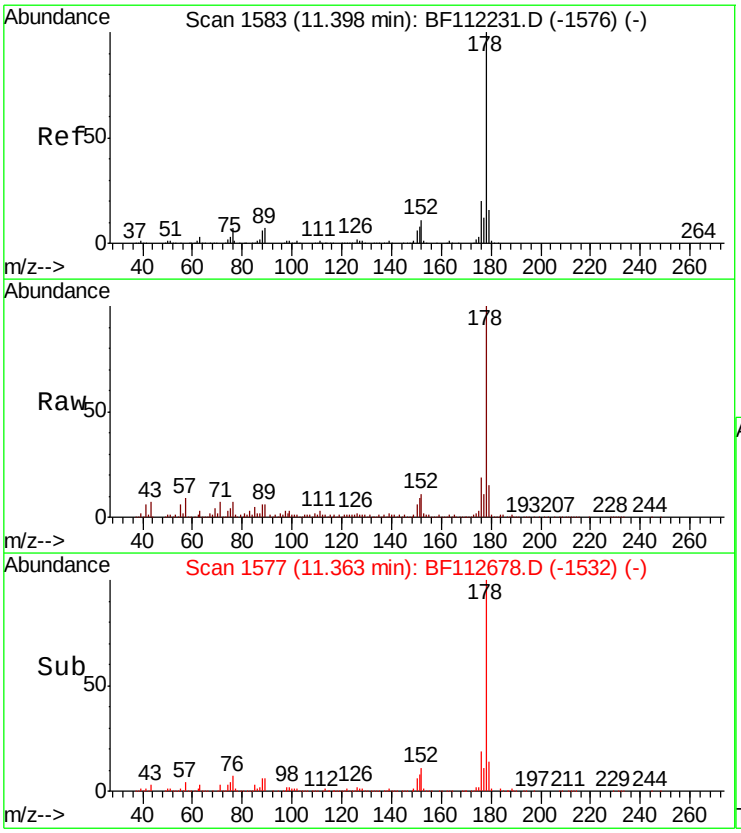
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:188 Resp: 213735

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	8.6	8.9	13.3#

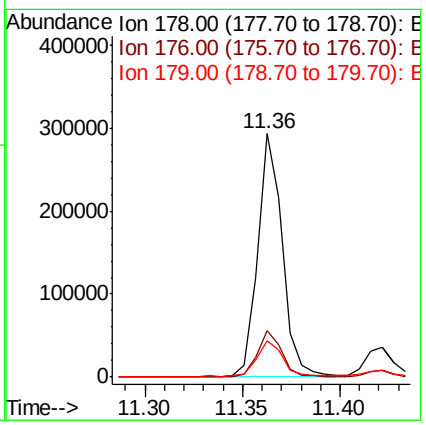


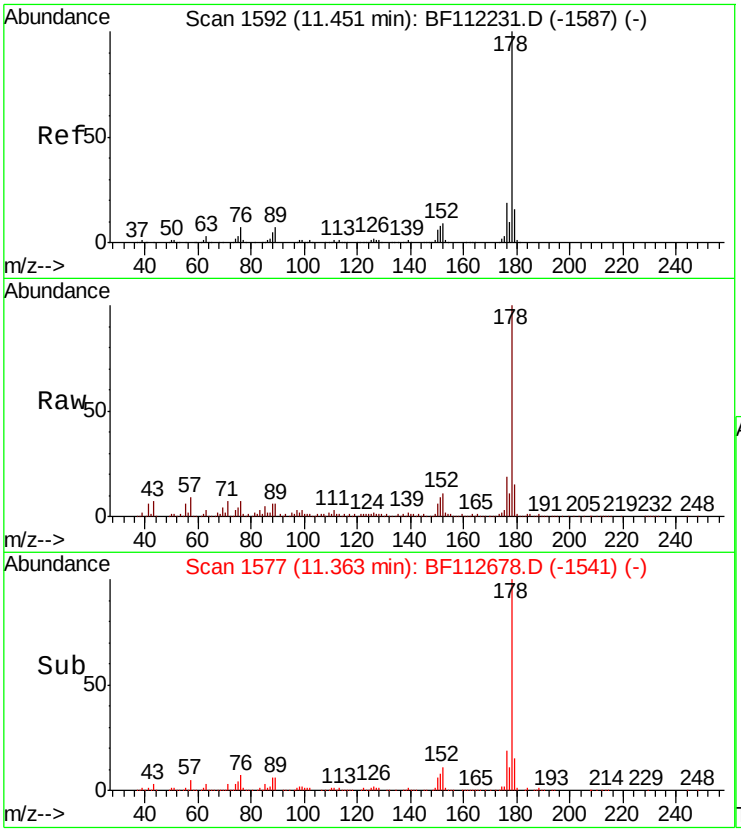


#71
Phenanthrene
Concen: 22.848 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:178 Resp: 253879

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	14.8	13.0	19.4



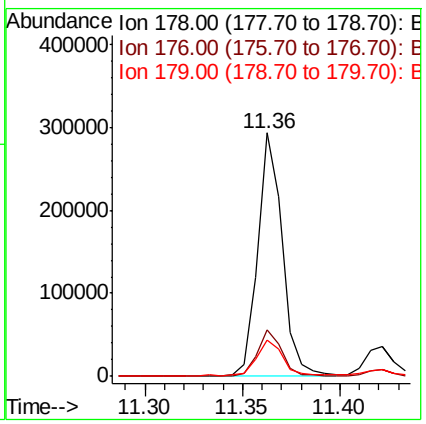


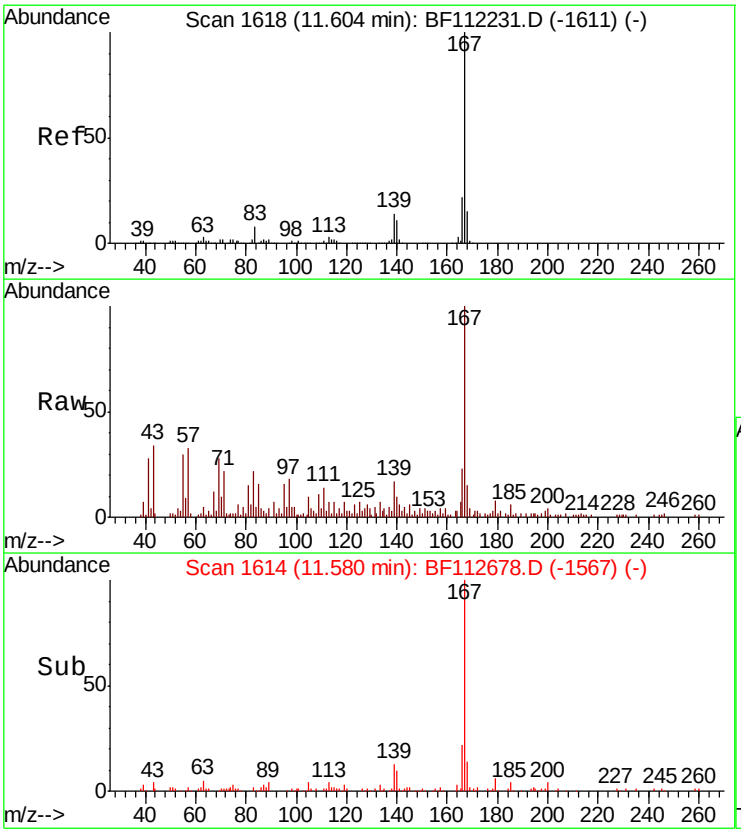
#72
Anthracene
Concen: 22.937 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.09 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:178 Resp: 253879

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	14.8	12.8	19.2

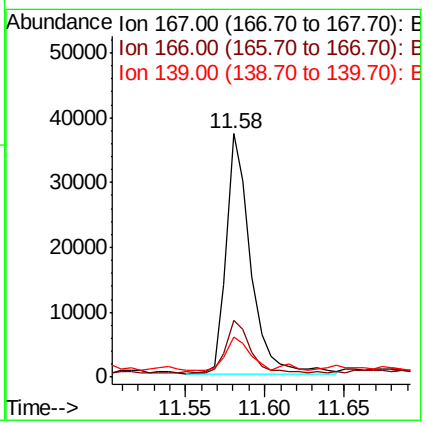


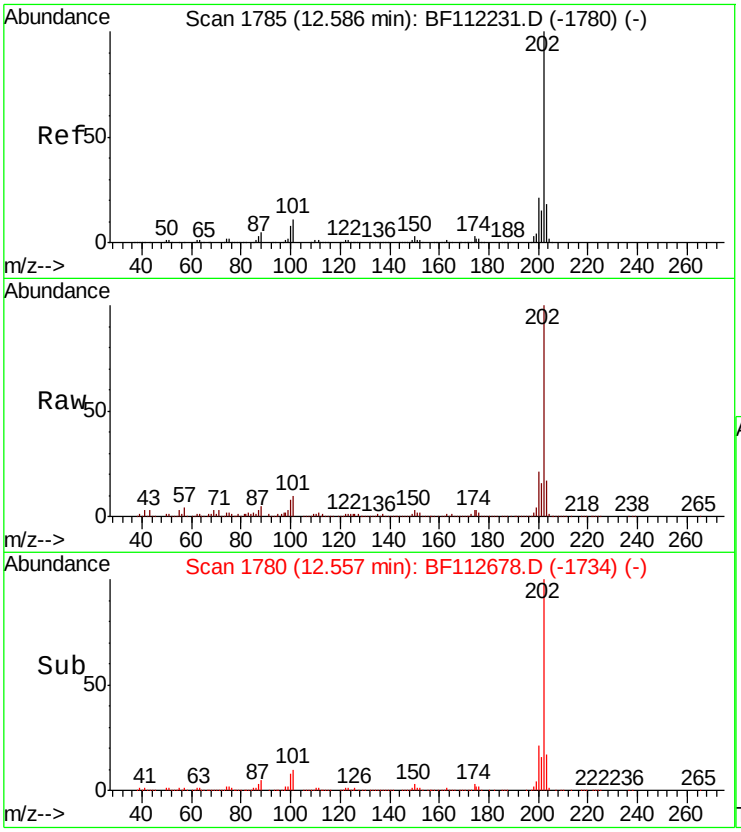


#73
Carbazole
Concen: 3.615 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:167 Resp: 39466

Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.9	26.9
139	16.5	10.2	15.2#



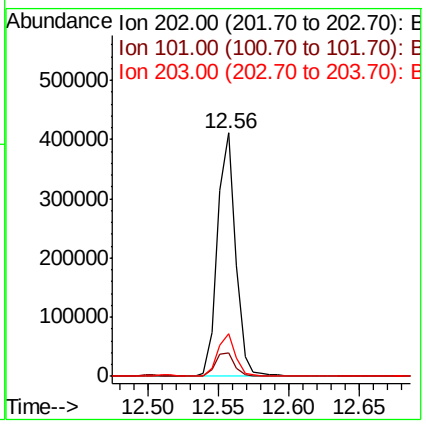


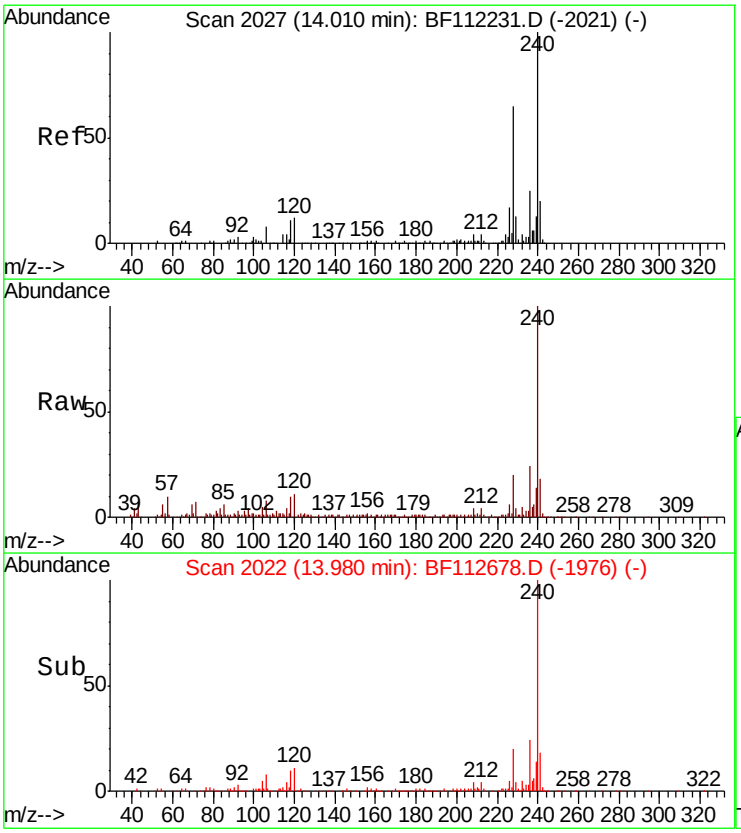
#75
Fluoranthene
Concen: 30.796 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:202 Resp: 367022

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.8
203	17.3	0.0	38.4

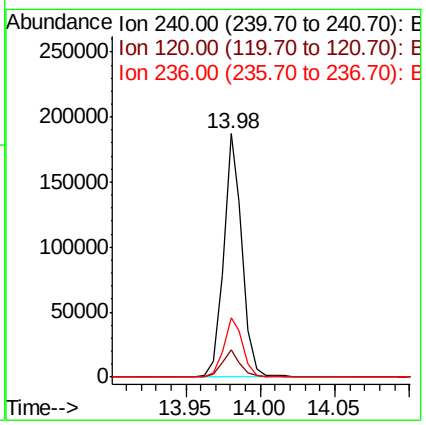


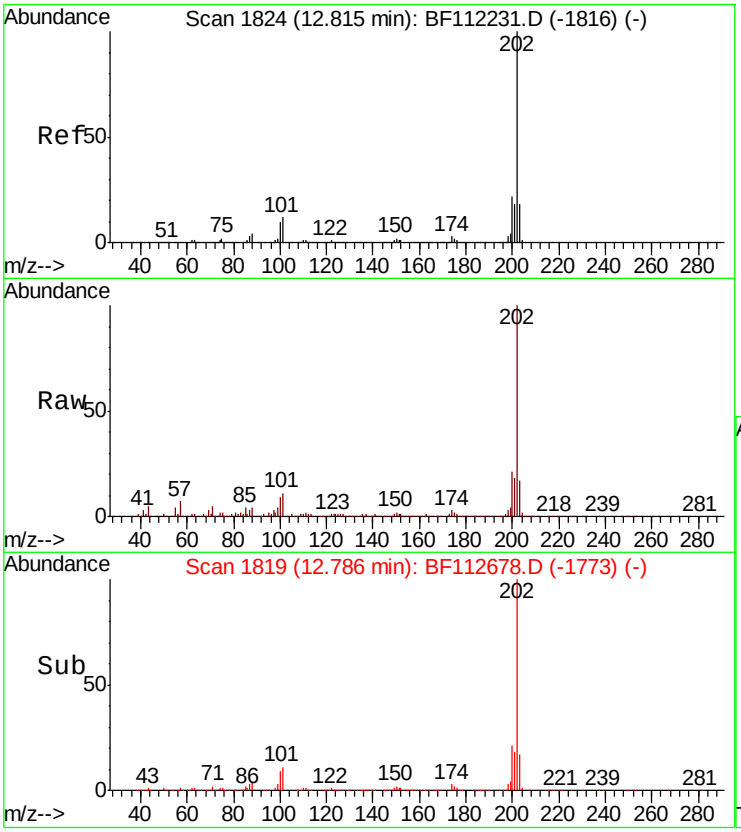


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:240 Resp: 162944

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	24.2	20.7	31.1



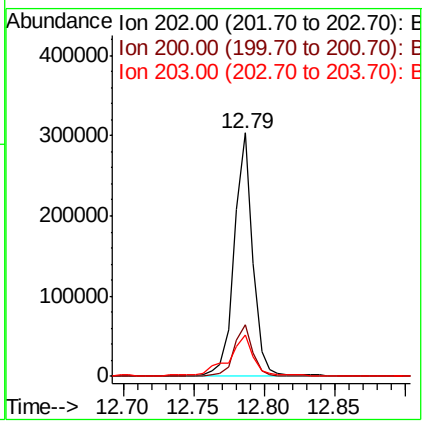


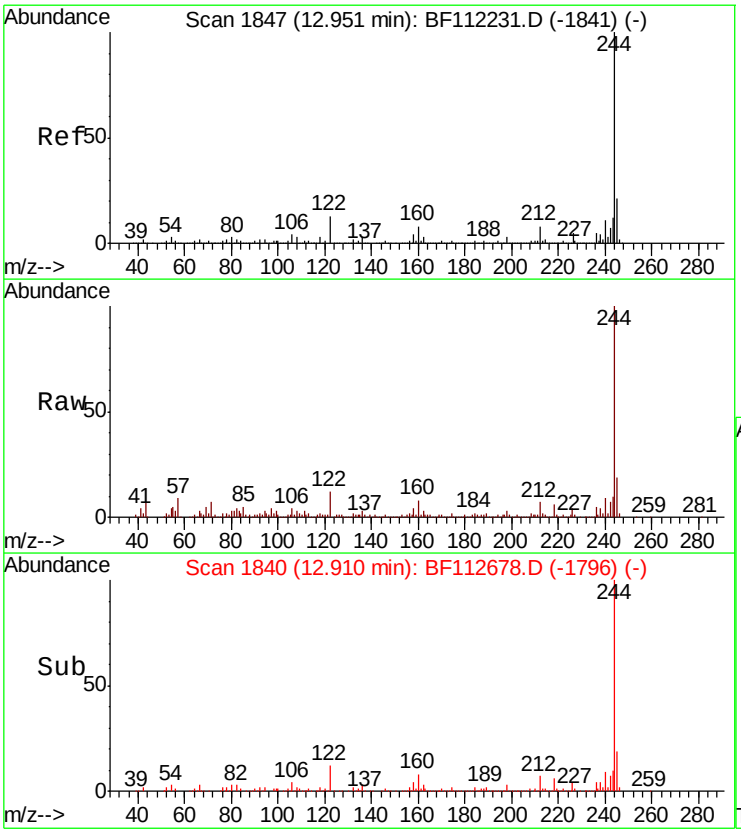
#78
Pyrene
Concen: 24.269 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:202 Resp: 273791

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.2	14.6	22.0

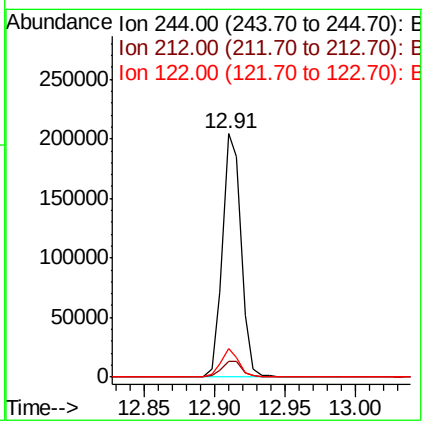


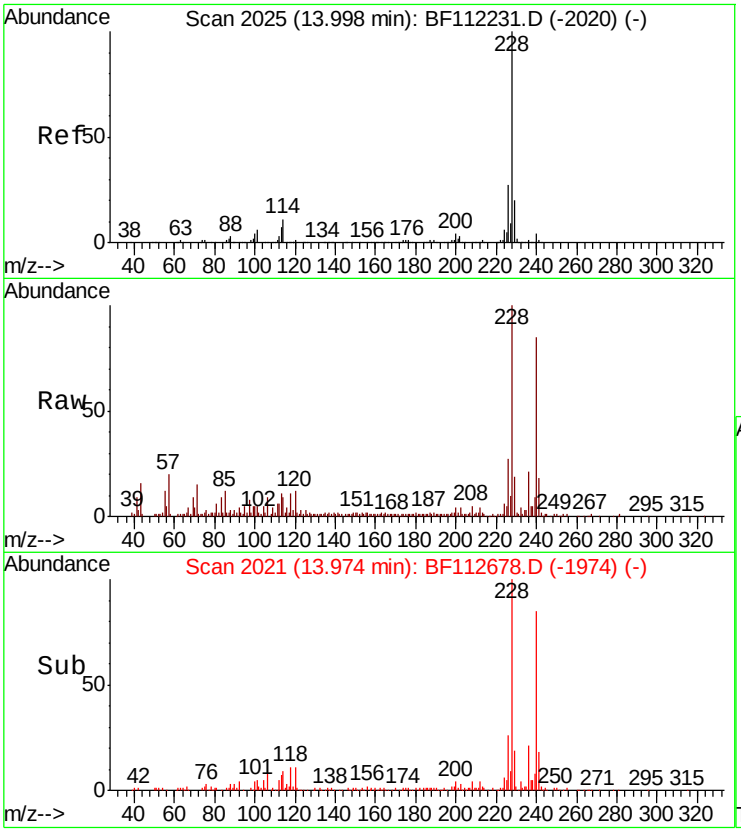


#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:244 Resp: 187847

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	11.7	9.8	14.6



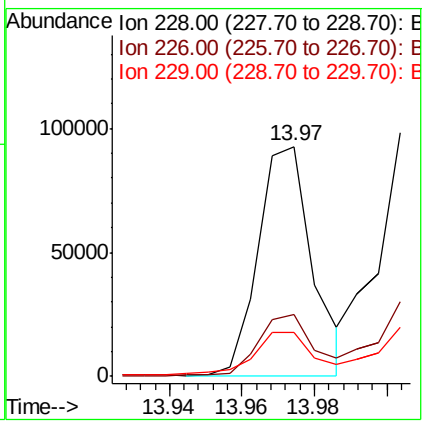


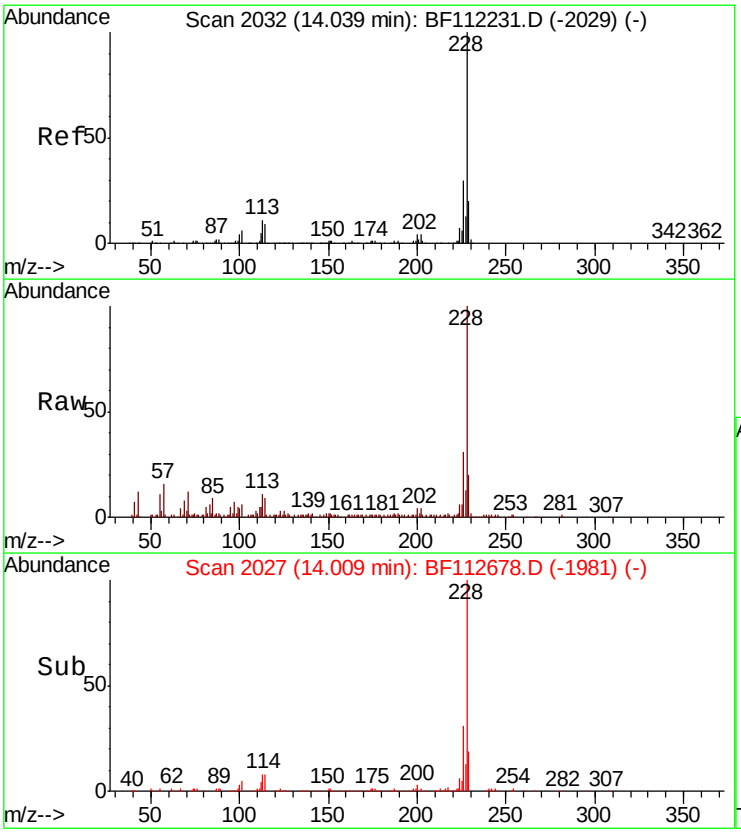
#81
Benzo(a)anthracene
Concen: 10.100 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:228 Resp: 96747

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	34.0
229	19.4	16.5	24.7

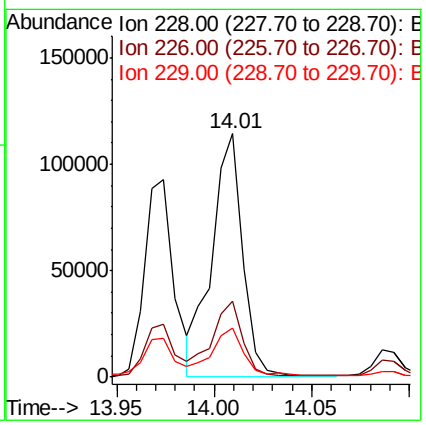


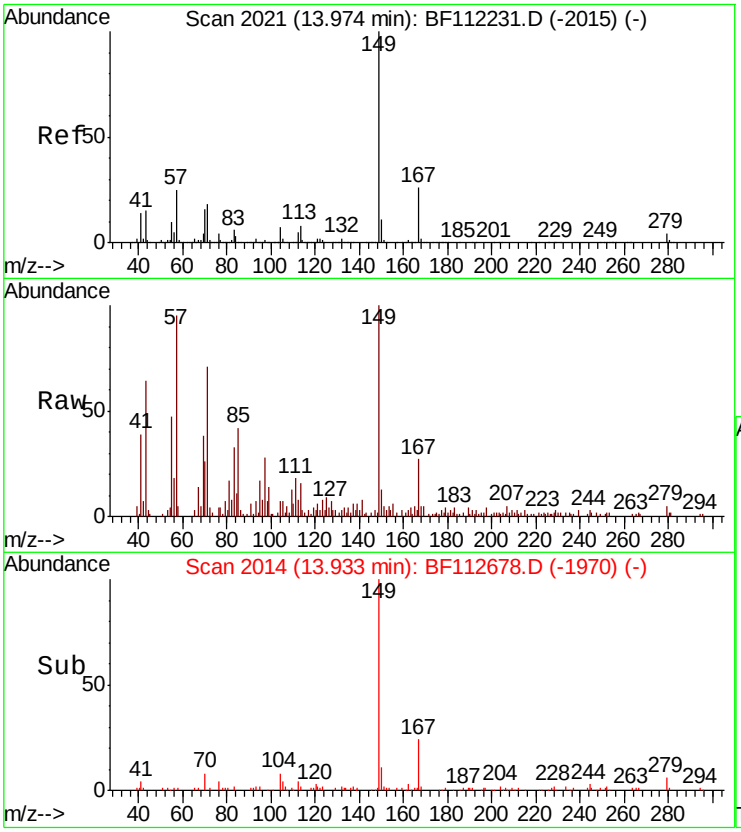


#83
Chrysene
Concen: 13.745 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:228 Resp: 125677

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	20.2	16.6	24.8



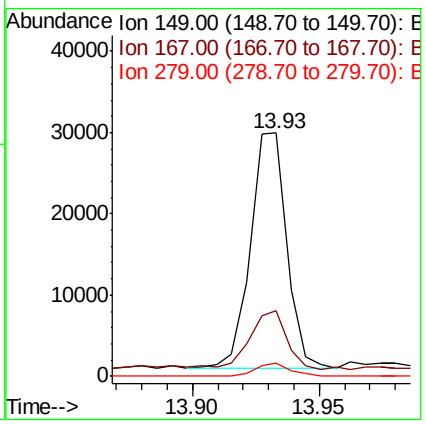


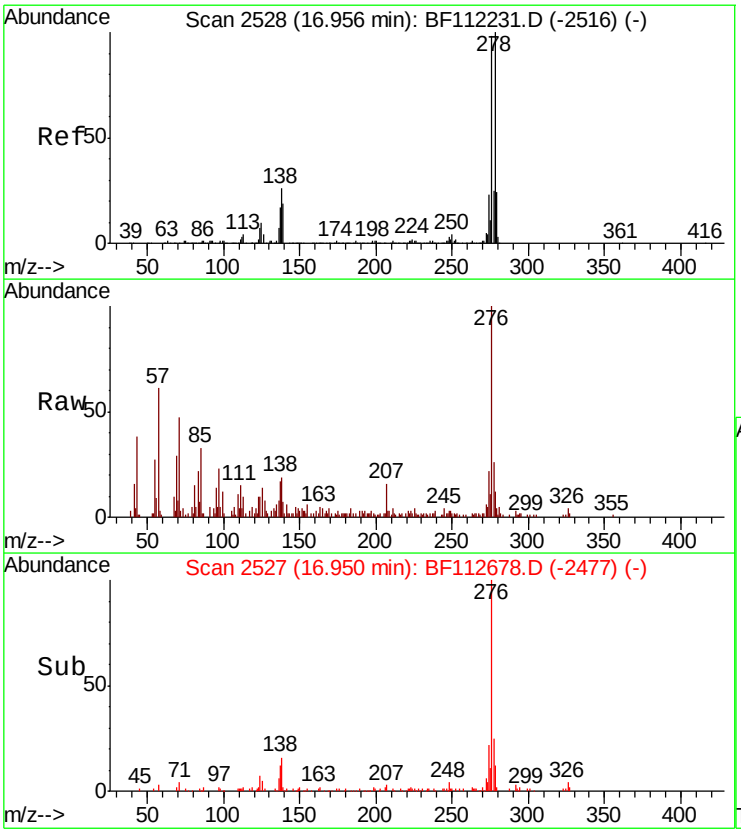
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.723 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.04 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:149 Resp: 28841

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.5	33.7
279	5.4	3.8	5.6

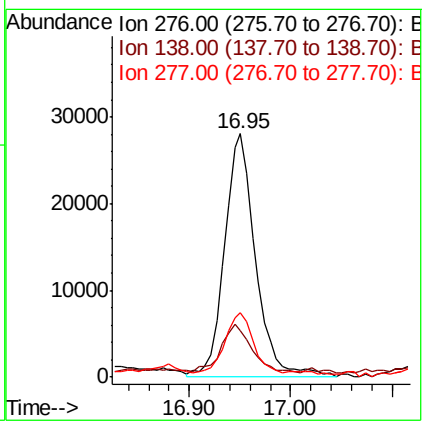


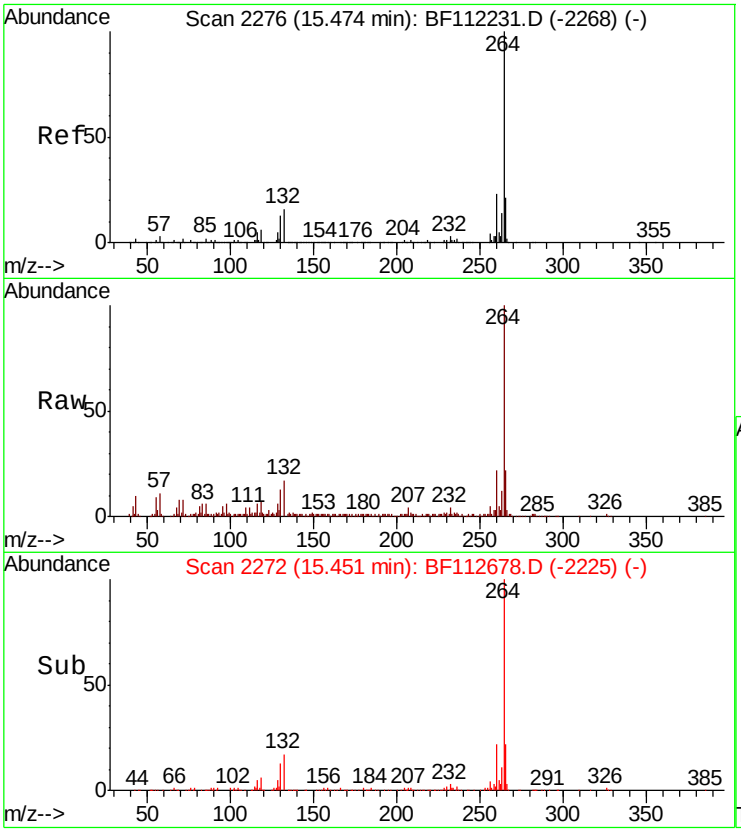


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.213 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:276 Resp: 59506

Ion	Ratio	Lower	Upper
276	100		
138	19.6	22.6	34.0#
277	24.8	20.3	30.5



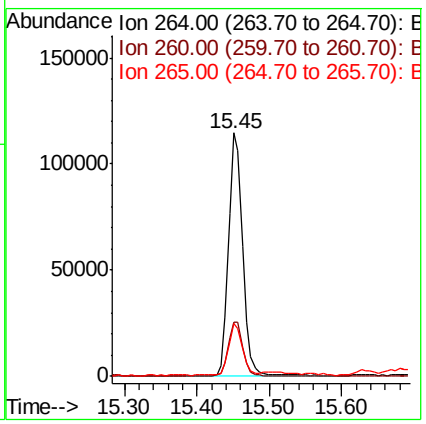


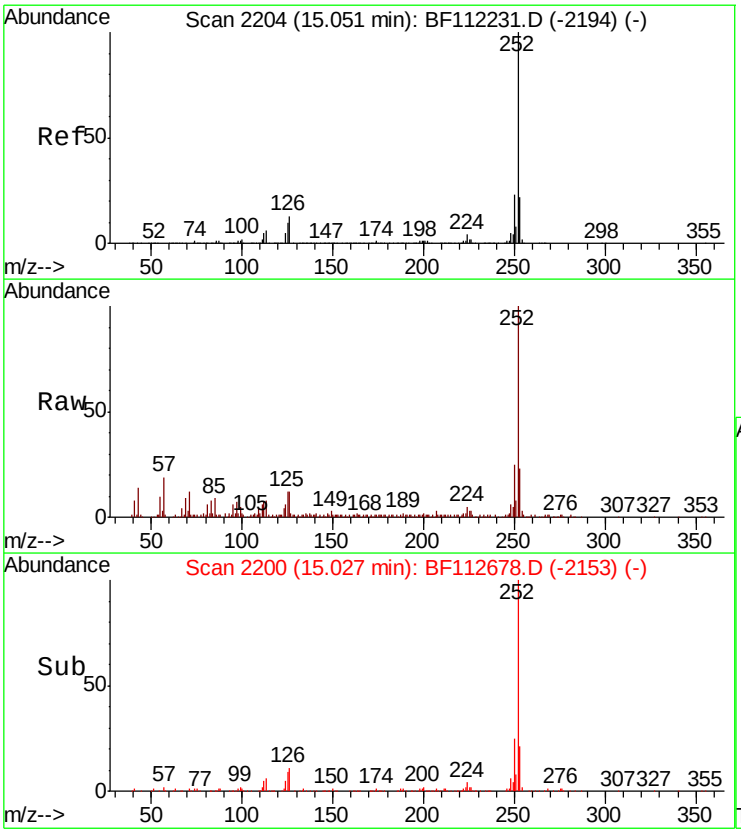
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:264 Resp: 157200

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.2
265	21.9	17.0	25.4

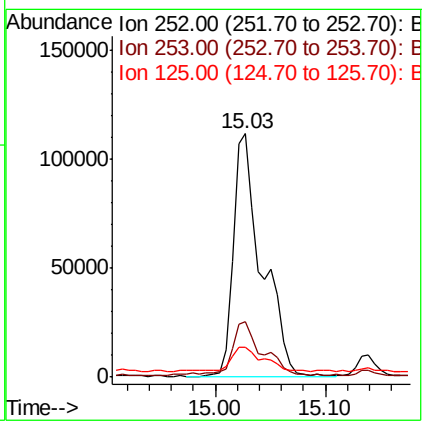


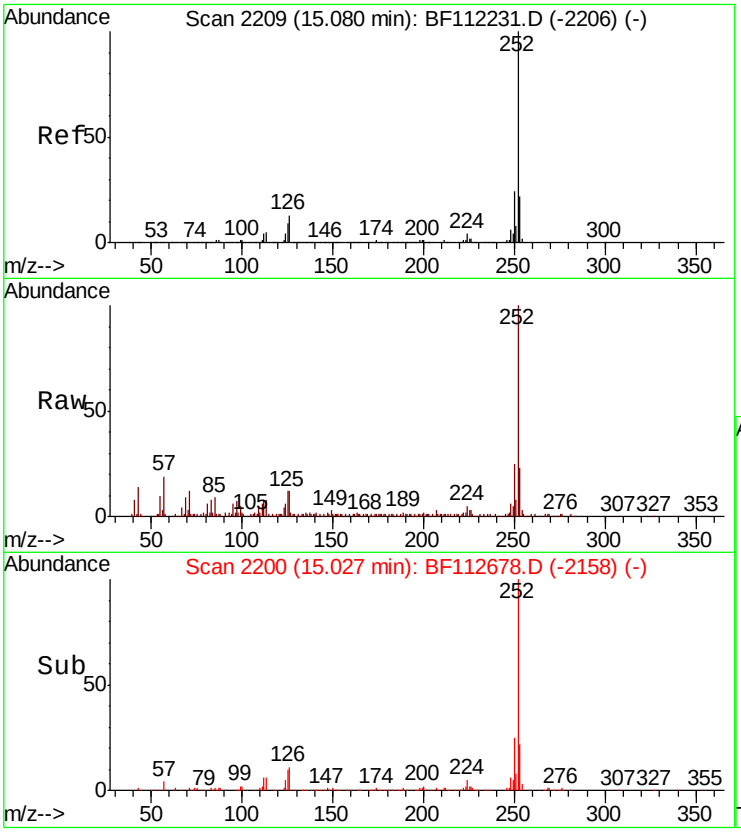


#88
Benzo(b)fluoranthene
Concen: 21.338 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:252 Resp: 200604

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.2	8.7	13.1



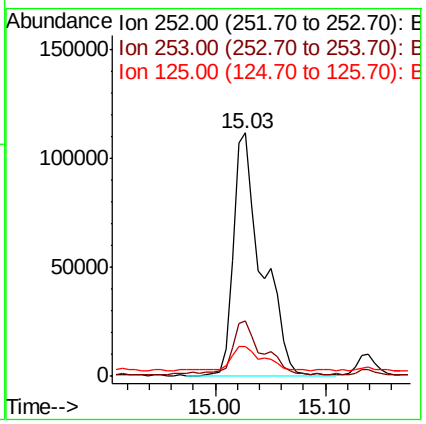


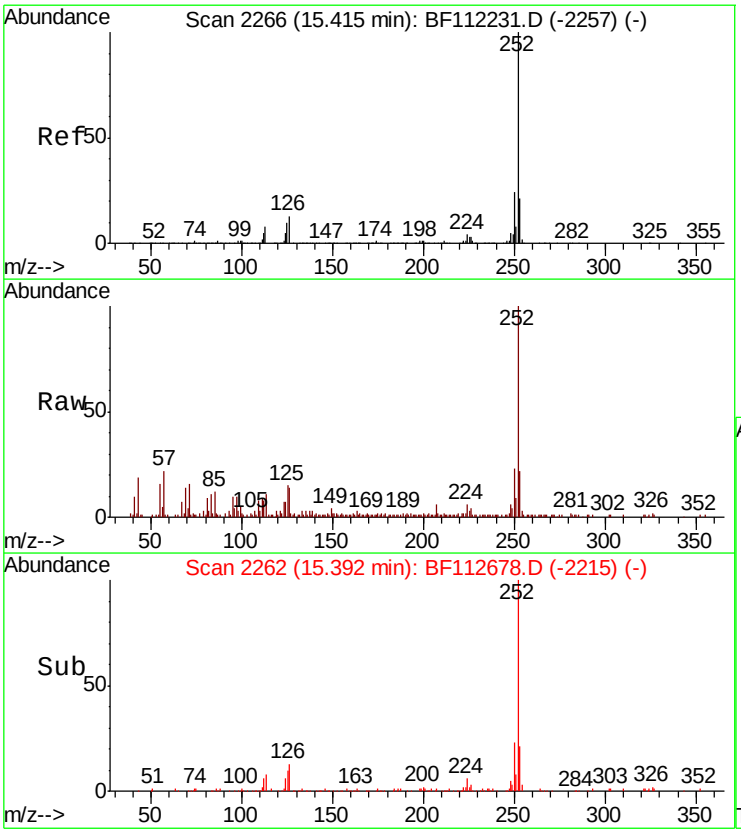
#89
Benzo(k)fluoranthene
Concen: 22.277 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:252 Resp: 200604

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.2	9.1	13.7

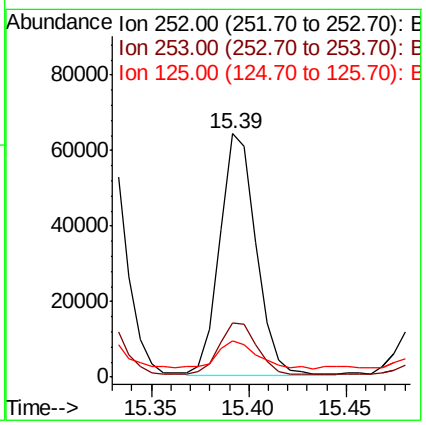


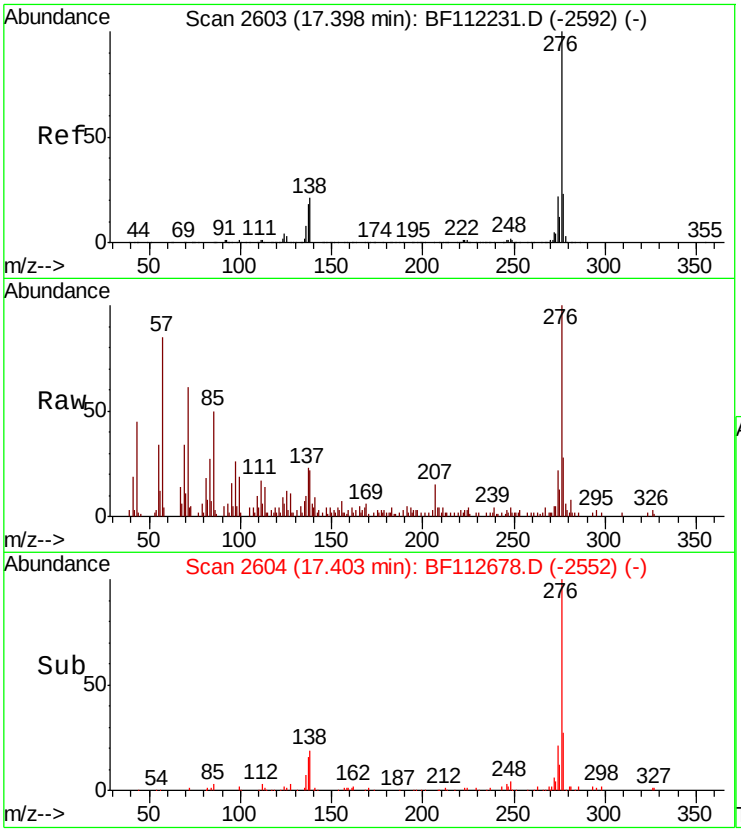


#90
Benzo(a)pyrene
Concen: 9.775 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.02 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Tgt Ion:252 Resp: 82692

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.9	9.0	13.4#





#92
Benzo(g,h,i)perylene
Concen: 8.358 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112678.D
Acq: 22 Feb 2019 21:33

Instrument :
BNA_F
ClientSampleId :
30019

Tgt Ion:276 Resp: 53760

Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.4	29.0
138	21.5	19.1	28.7