Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109143.D
Acq On : 19 Sep 2018 15:08
Operator : JU/SJ
Sample : J4967-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Sep 19 15:32:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	125785	20.00	ng		0.00
21) Naphthalene-d8	8.00	136	421486	20.00	ng		0.00
38) Acenaphthene-d10	9.75	164	171377	20.00	ng		0.00
63) Phenanthrene-d10	11.23	188	321489	20.00	ng		0.00
75) Chrysene-d12	13.87	240	304407	20.00	ng		0.00
86) Perylene-d12	15.29	264	233598	20.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	487400	64.36	ng		0.00
7) Phenol-d6	6.35	99	605955	62.05	ng		0.00
23) Nitrobenzene-d5	7.28	82	408290	54.33	ng		-0.01
41) 2,4,6-Tribromophenol	10.54	330	131488	70.70	ng		0.00
44) 2-Fluorobiphenyl	9.08	172	666361	60.92	ng		0.00
78) Terphenyl-d14	12.82	244	636021	49.52	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.26	77	29769	4.773	ng		96
25) Isophorone	7.28	82	403256	31.218	ng	#	64
35) Caprolactam	8.44	113	5263	2.669	ng	#	64
37) 2-Methylnaphthalene	8.71	142	33703	2.643	ng		97
49) Dimethylphthalate	9.47	163	93219	7.610	ng	#	99
66) 4-Bromophenyl-phenylether	10.54	248	7950	2.193	ng	#	1
70) Phenanthrene	11.25	178	232498	14.753	ng		98
71) Anthracene	11.25	178	232498	14.554	ng		99
74) Fluoranthene	12.44	202	310326	18.652	ng		98
77) Pyrene	12.67	202	277222	12.261	ng		99
80) Benzo(a)anthracene	13.85	228	134146	7.279	ng	#	88
82) Chrysene	13.89	228	170586	9.251	ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.65	276	70669	4.794	ng	#	93
87) Benzo(b)fluoranthene	14.89	252	247028	19.115	ng	#	85
88) Benzo(k)fluoranthene	14.89	252	247028	20.466	ng	#	87
89) Benzo(a)pyrene	15.23	252	98299	8.565	ng	#	71
91) Benzo(g,h,i)perylene	17.07	276	69064	7.164	ng	#	93

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

Quantitation Report (Not Reviewed)

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ALS Vial : 5 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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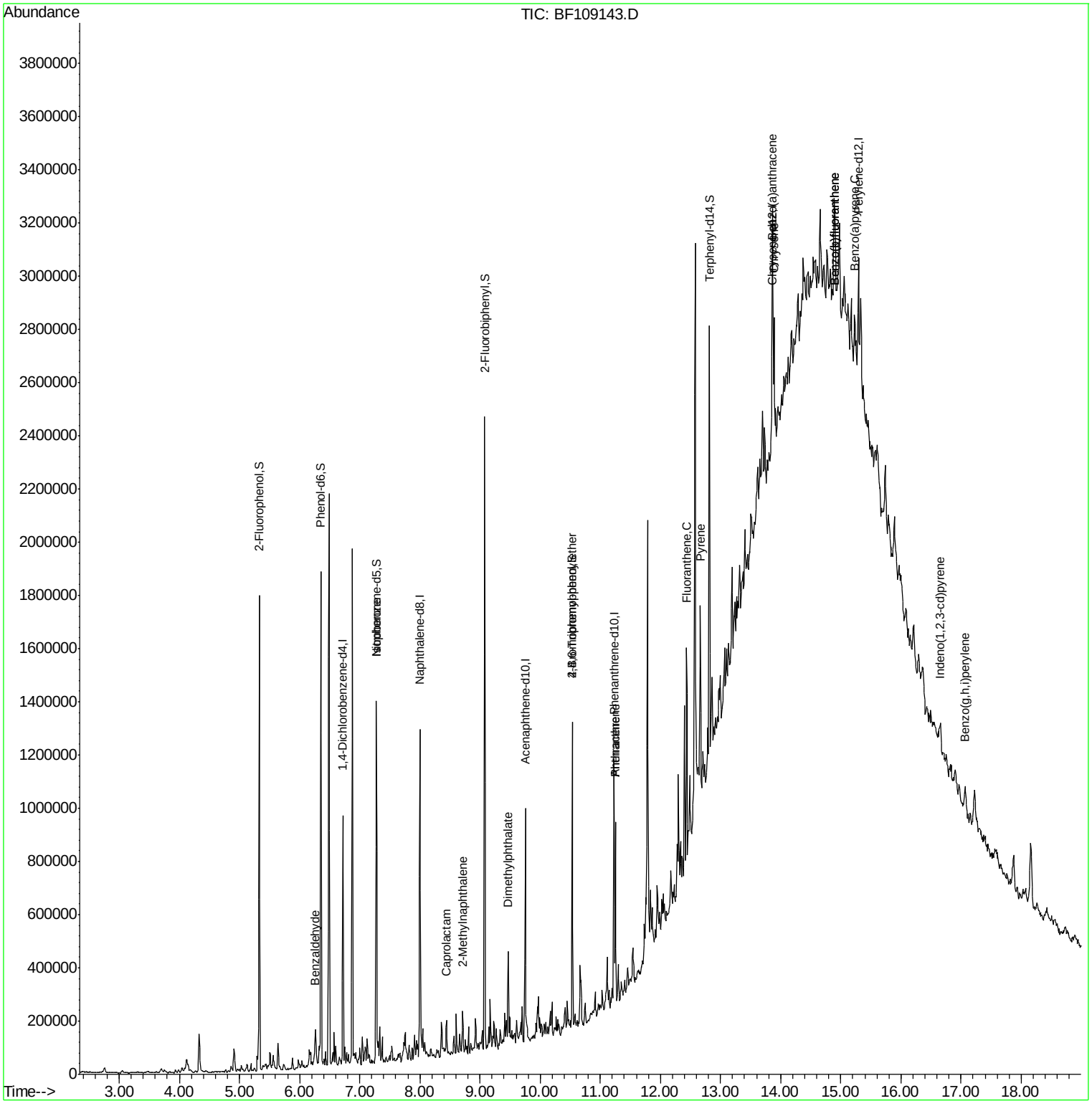
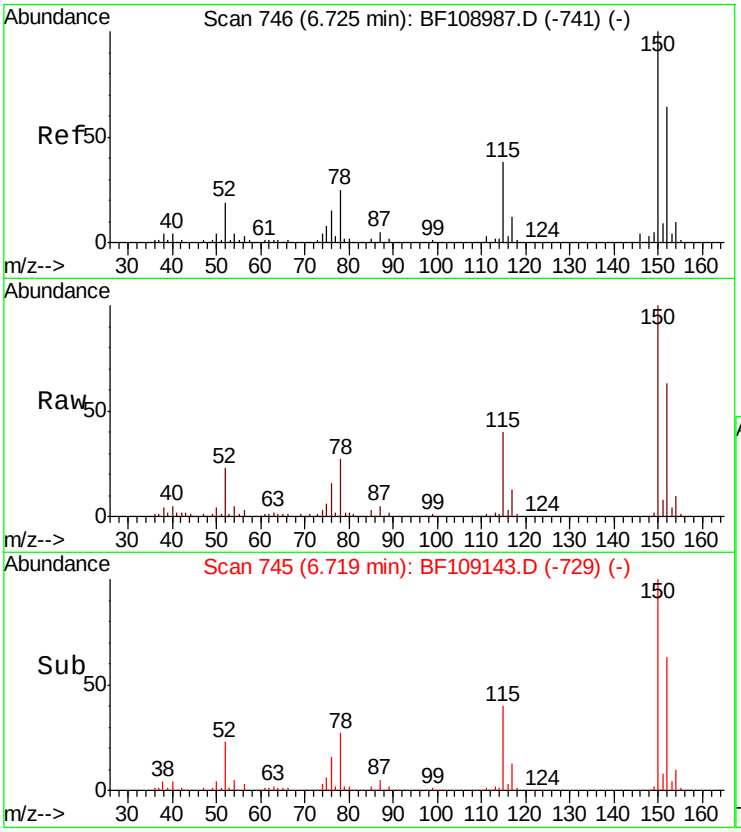


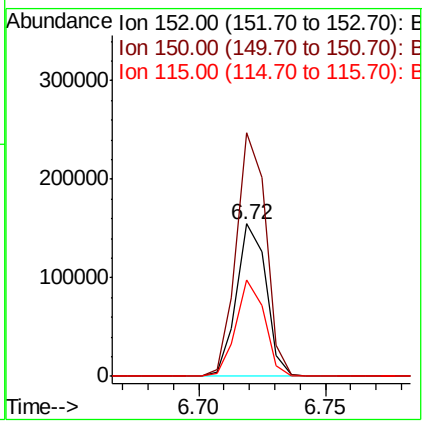


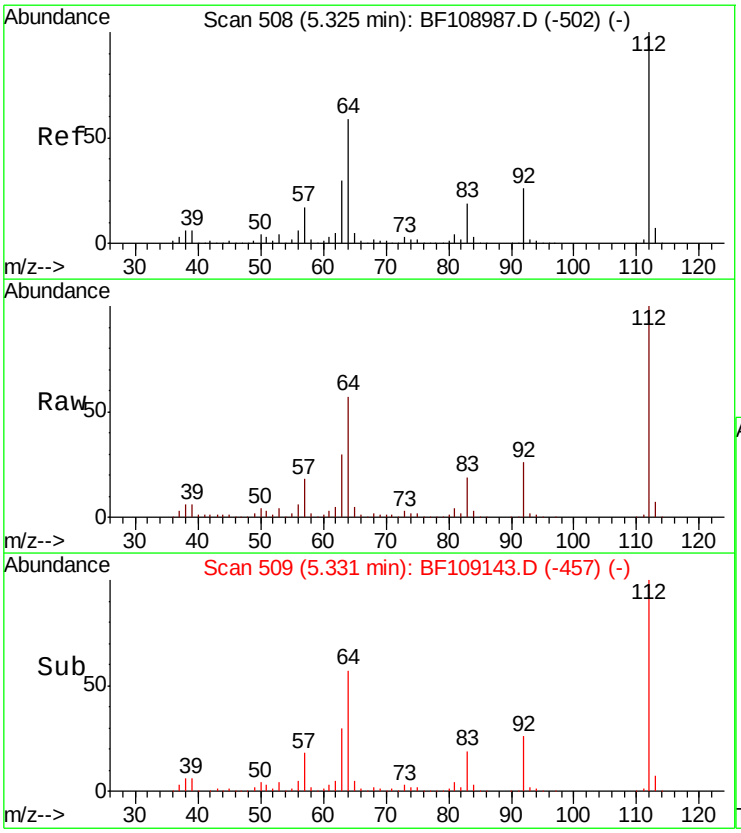
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 125785

Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	63.6	50.1	75.1

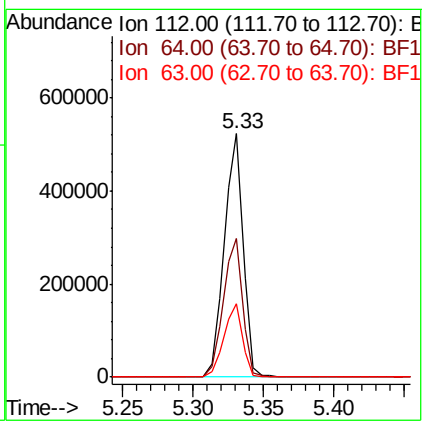


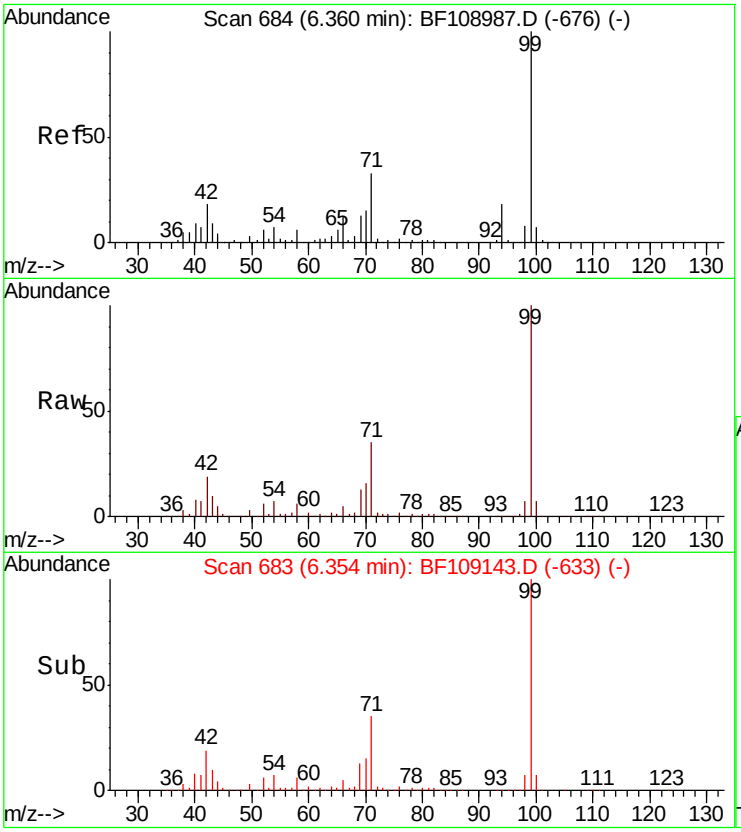


#5
2-Fluorophenol
Concen: 64.357 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:112 Resp: 487400

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	30.1	23.7	35.5



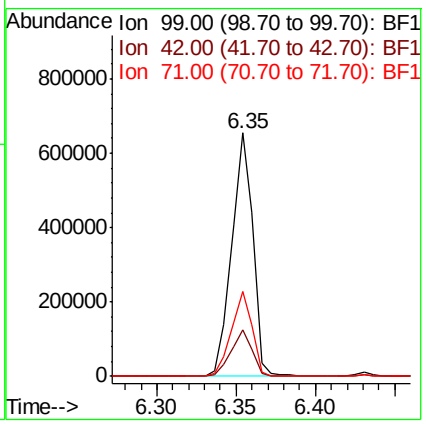


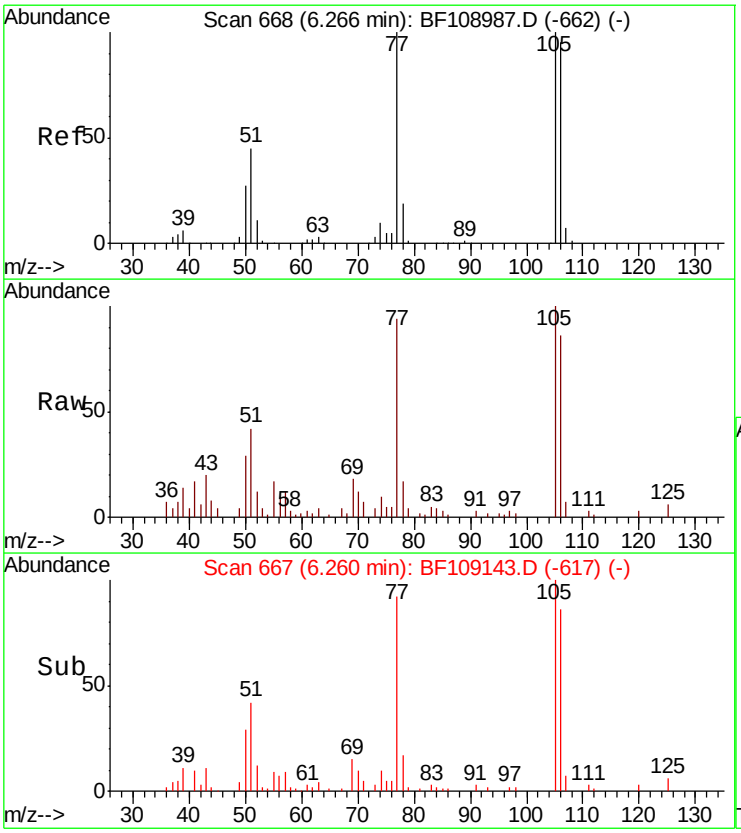
#7
Phenol-d6
Concen: 62.051 ng
RT: 6.35 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 605955

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	34.9	25.4	38.0

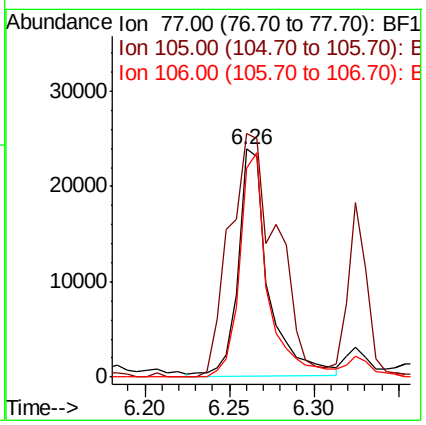


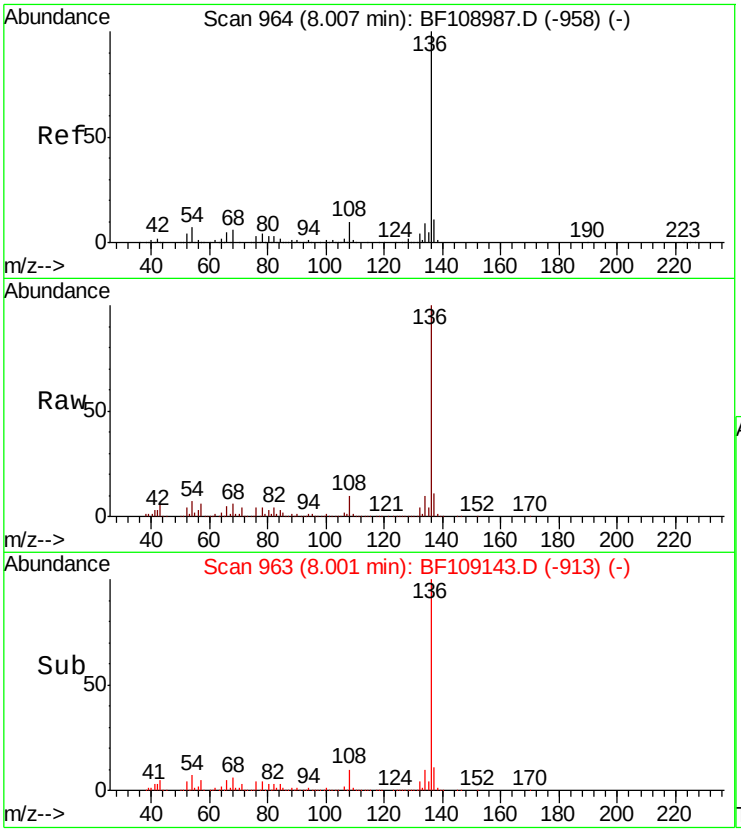


#9
Benzaldehyde
Concen: 4.773 ng
RT: 6.26 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion: 77 Resp: 29769

Ion	Ratio	Lower	Upper
77	100		
105	106.9	81.1	121.1
106	91.9	74.5	114.5



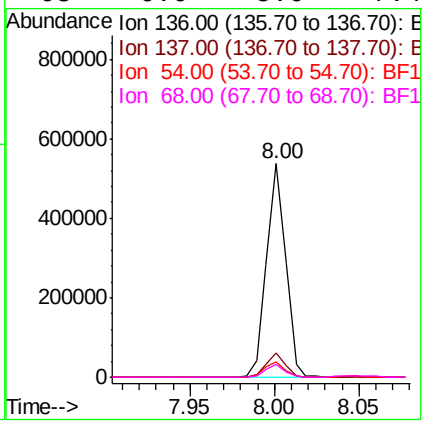


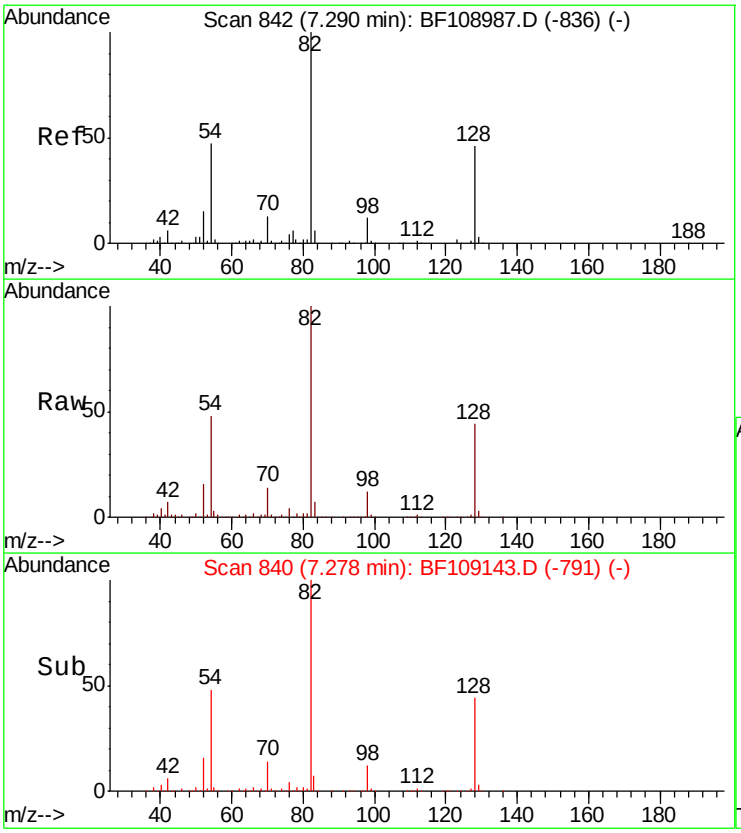
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 421486

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.5	6.6	9.8
68	6.0	5.0	7.4

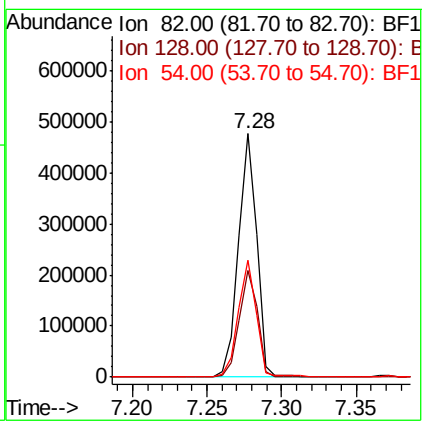


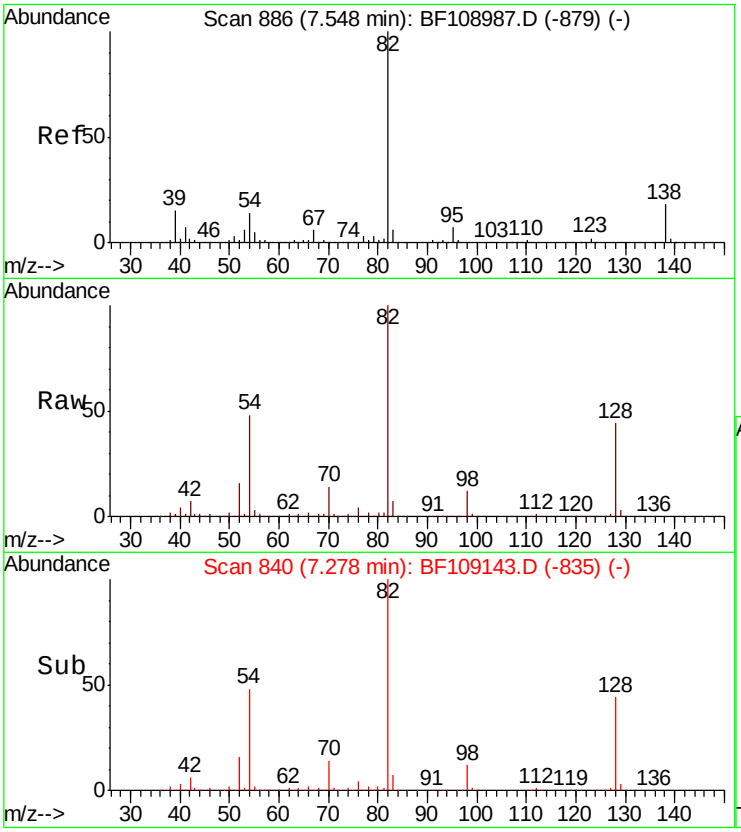


#23
Nitrobenzene-d5
Concen: 54.332 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion: 82 Resp: 408290

Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	48.1	41.4	62.2



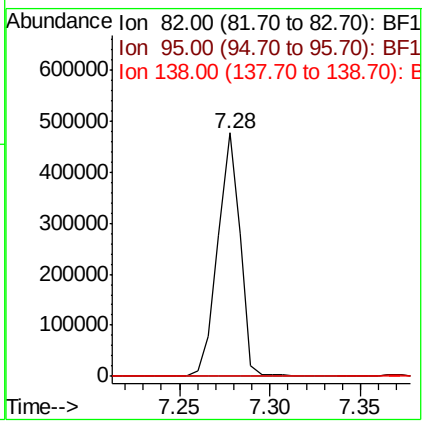


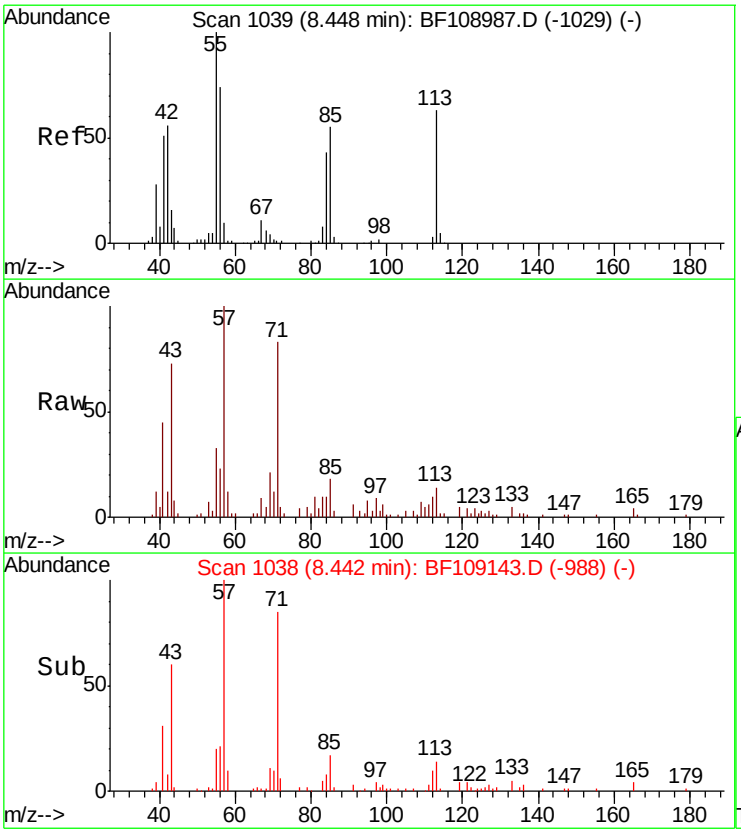
#25
Isophorone
Concen: 31.218 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 82 Resp: 403256

Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#

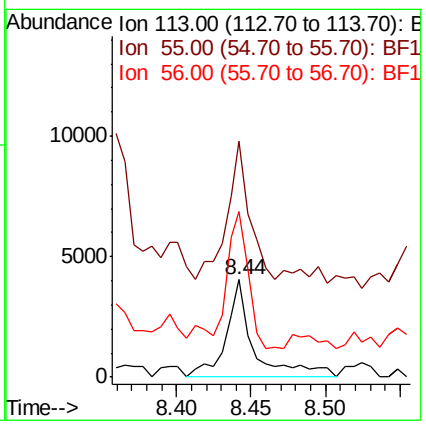


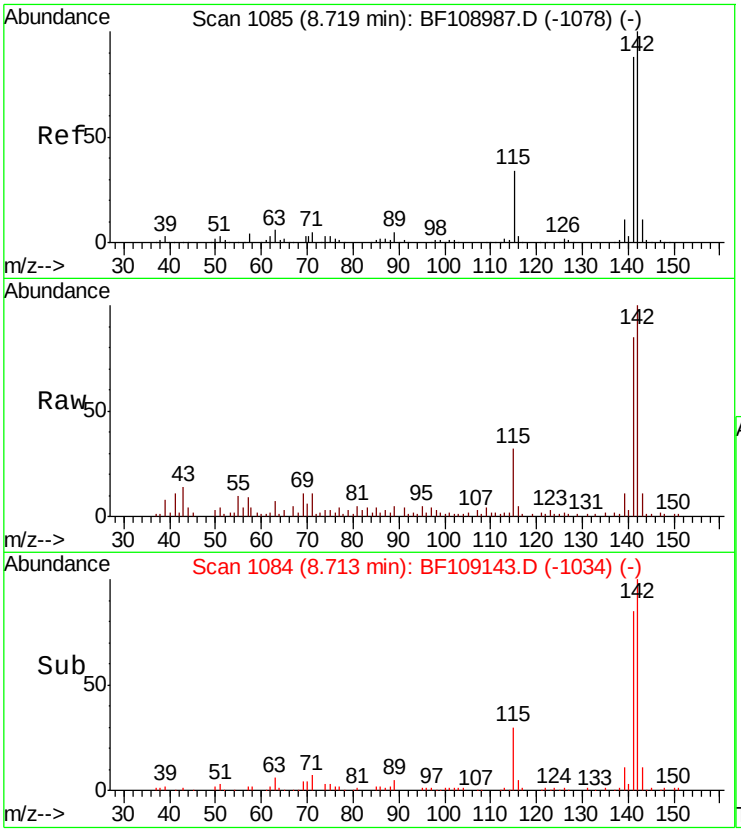


#35
Caprolactam
Concen: 2.669 ng
RT: 8.44 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:113 Resp: 5263

Ion	Ratio	Lower	Upper
113	100		
55	242.7	163.3	203.3#
56	170.2	115.7	155.7#



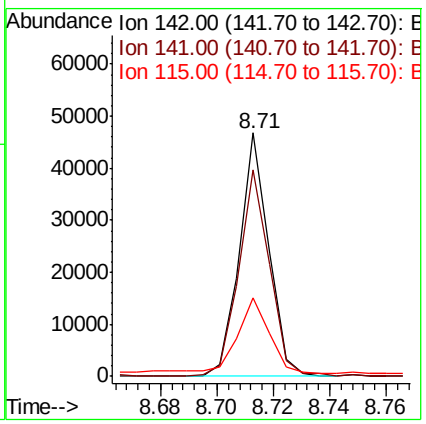


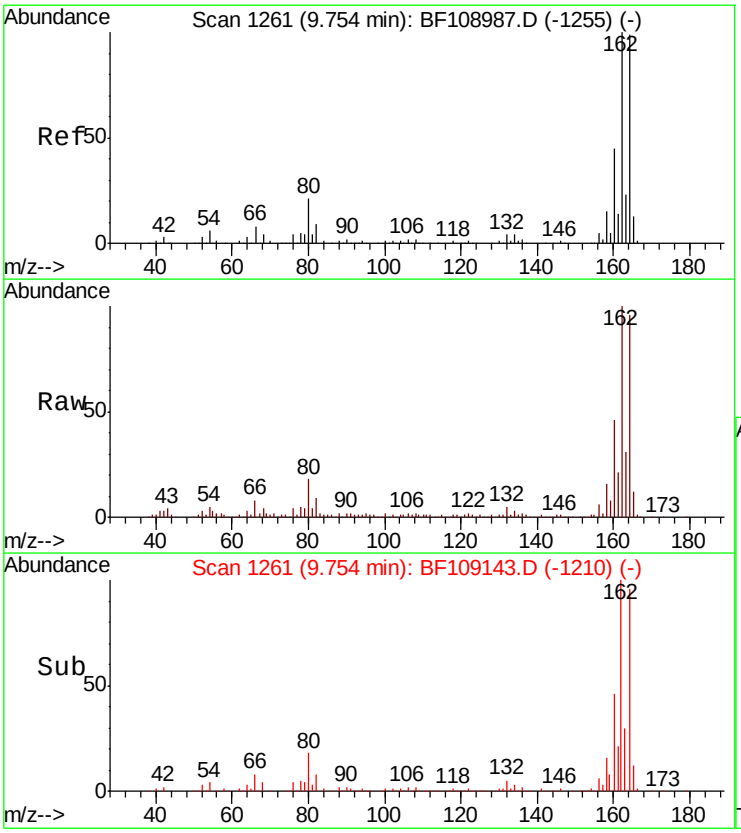
#37
2-Methylnaphthalene
Concen: 2.643 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:142 Resp: 33703

Ion	Ratio	Lower	Upper
142	100		
141	84.6	70.8	106.2
115	32.4	26.1	39.1

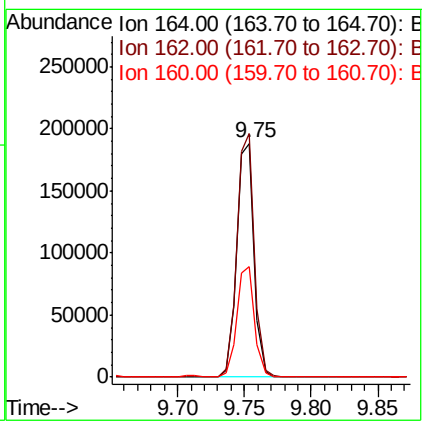


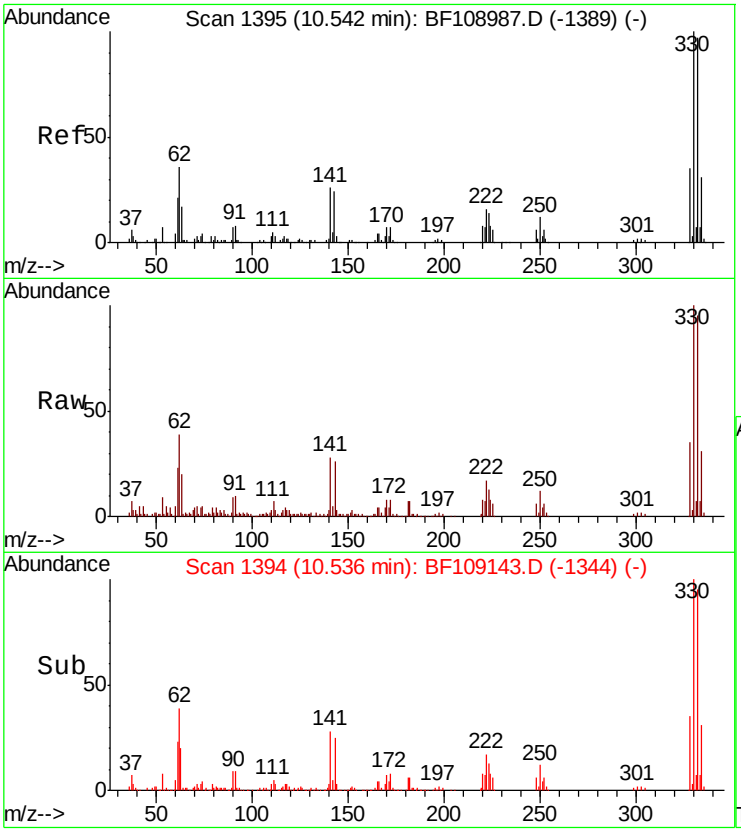


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:164 Resp: 171377

Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	47.5	38.3	57.5



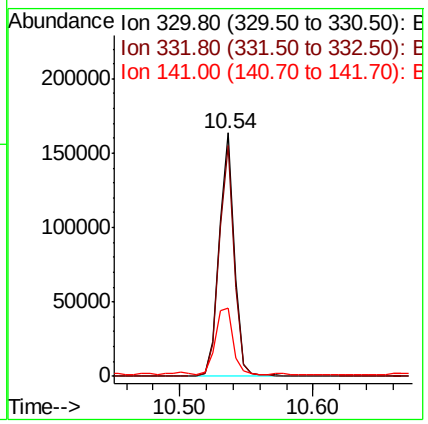


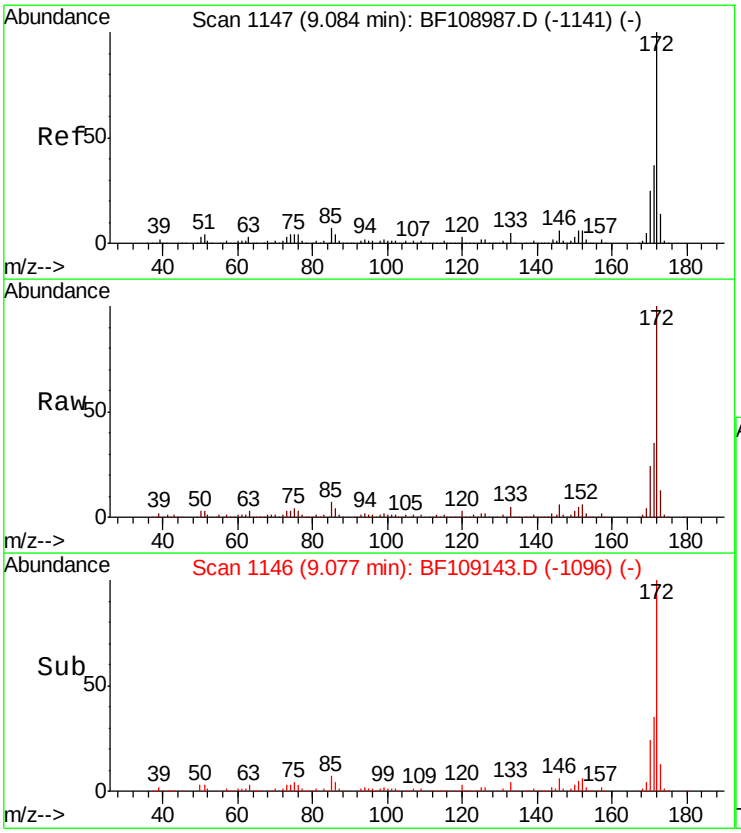
#41
2,4,6-Tribromophenol
Concen: 70.696 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:330 Resp: 131488

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.0	29.9	44.9

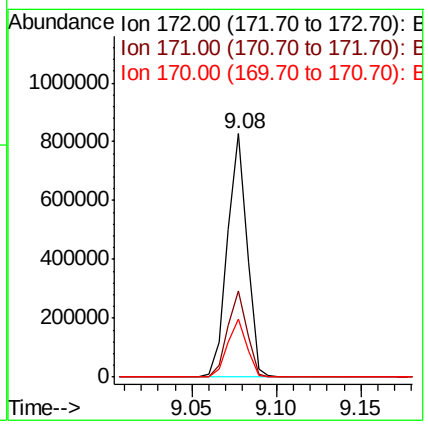


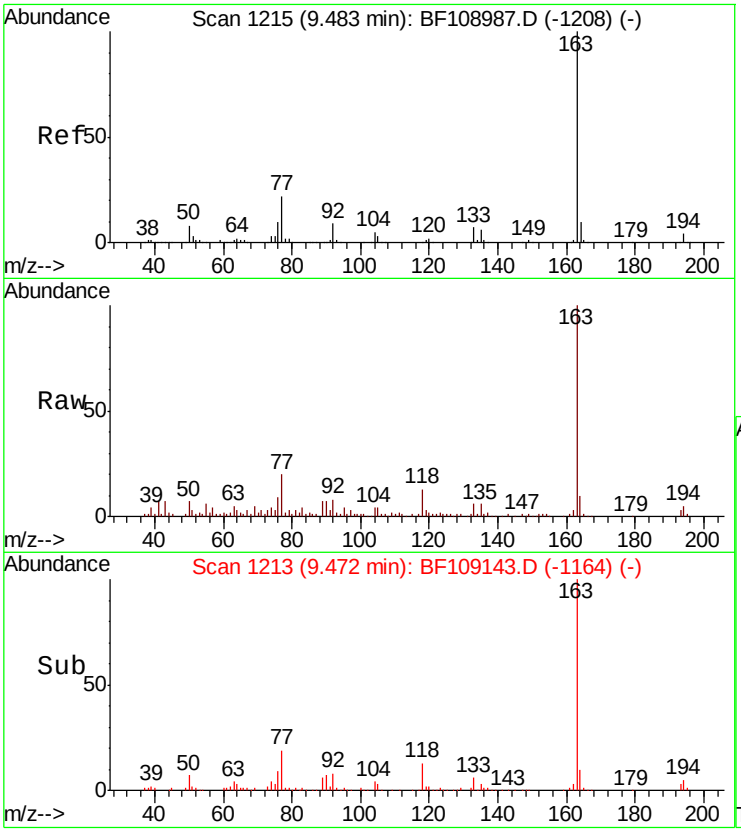


#44
2-Fluorobiphenyl
Concen: 60.919 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:172 Resp: 666361

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.1	19.6	29.4



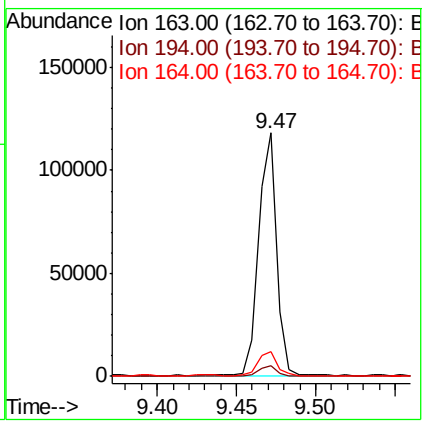


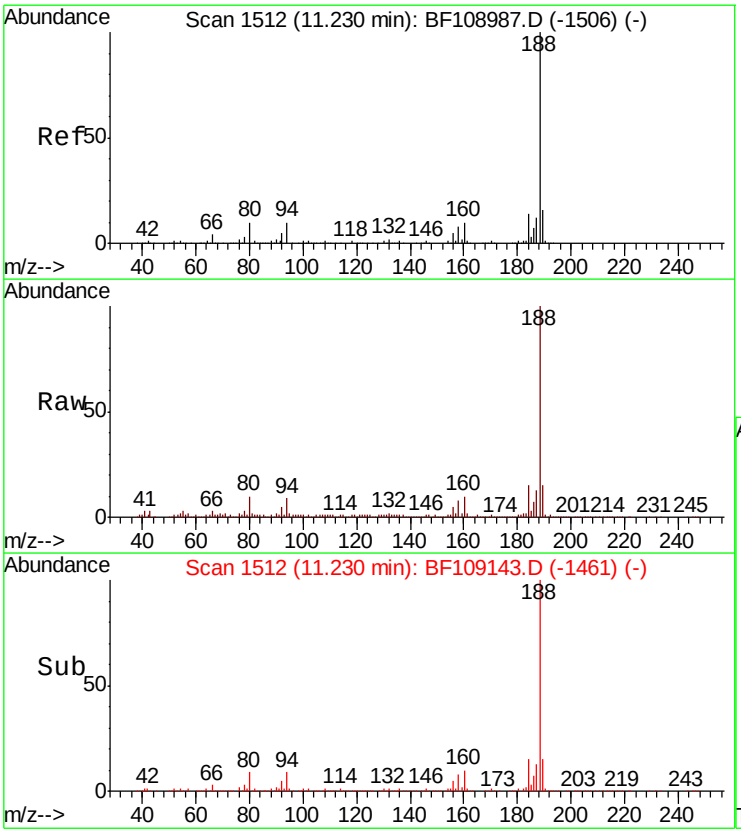
#49
Dimethylphthalate
Concen: 7.610 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:163 Resp: 93219

Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	10.3	8.2	12.2

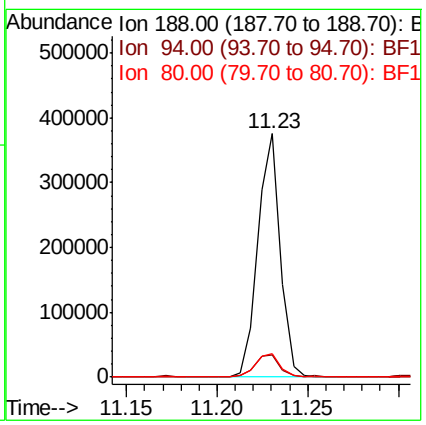


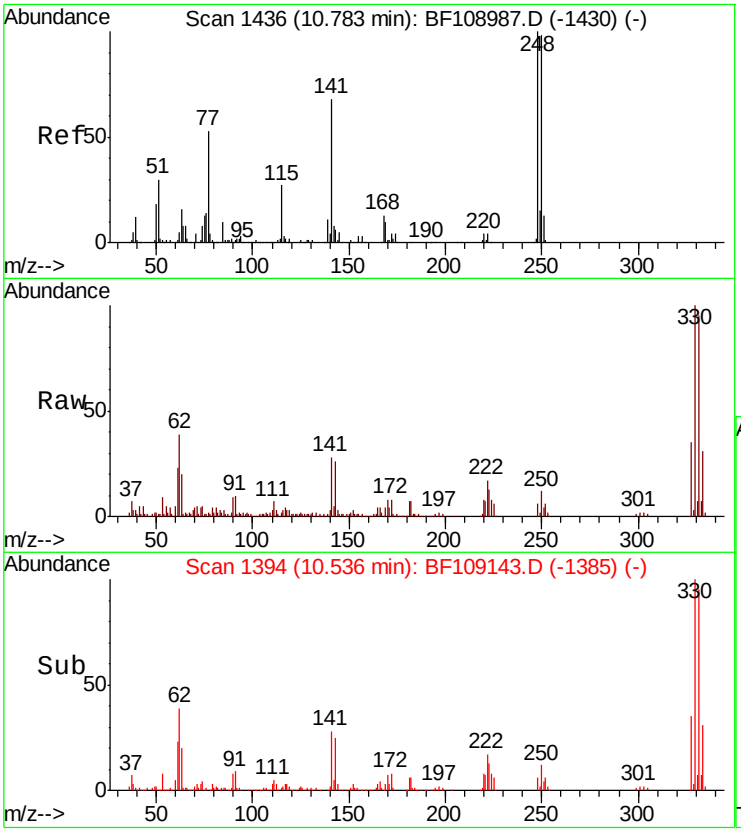


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:188 Resp: 321489

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.7	9.2	13.8



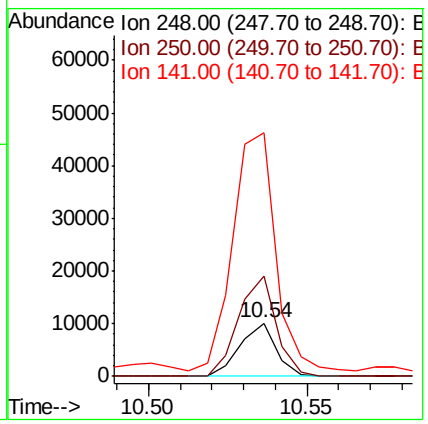


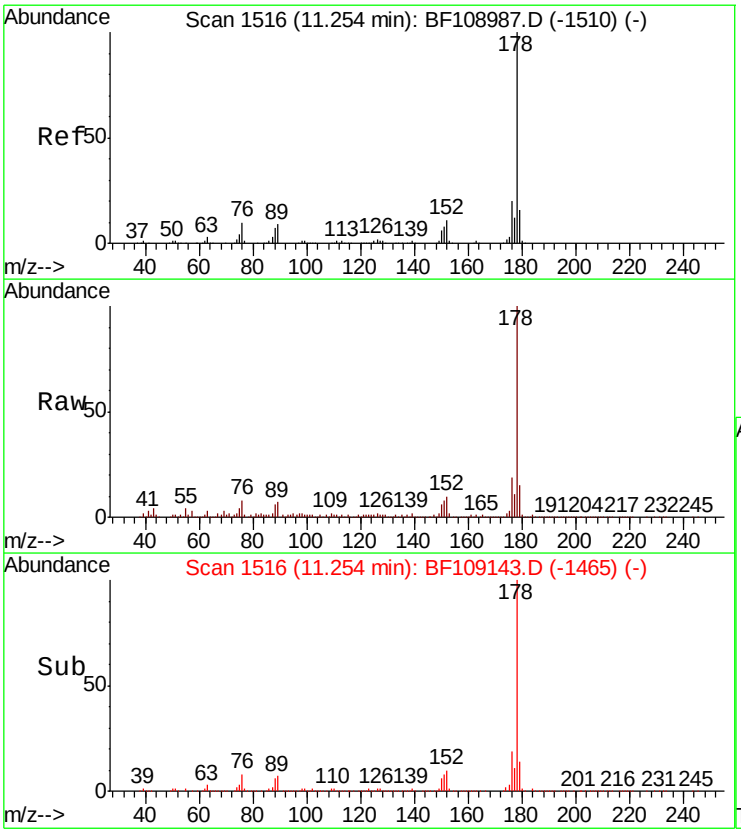
#66
4-Bromophenyl-phenylether
Concen: 2.193 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.25 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:248 Resp: 7950

Ion	Ratio	Lower	Upper
248	100		
250	188.3	76.9	115.3#
141	459.9	74.4	111.6#

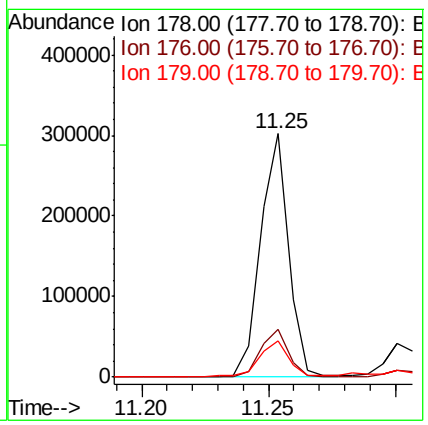


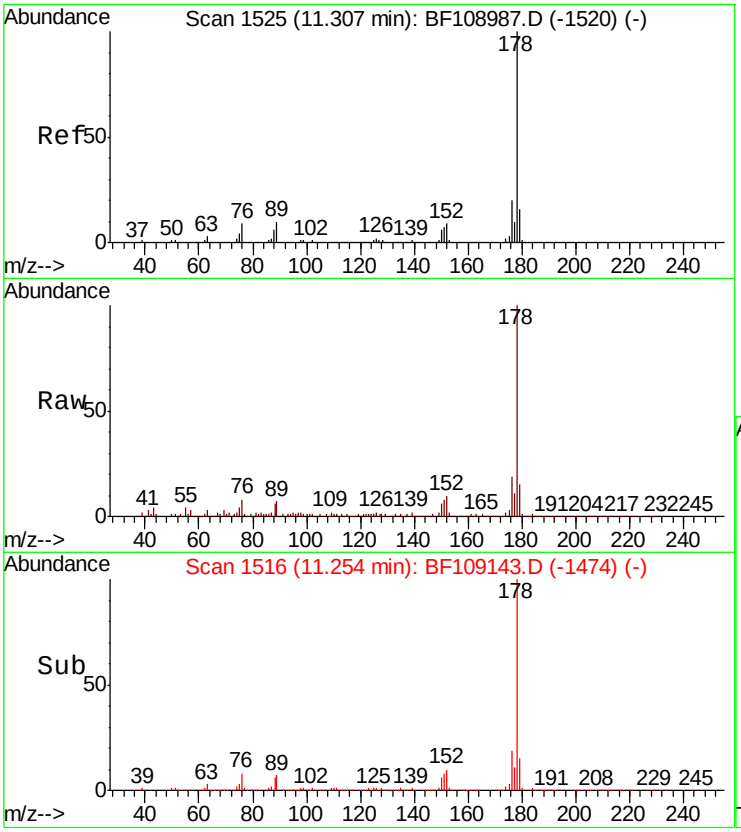


#70
Phenanthrene
Concen: 14.753 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:178 Resp: 232498

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6



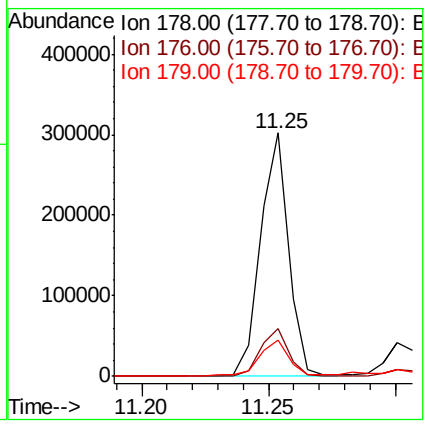


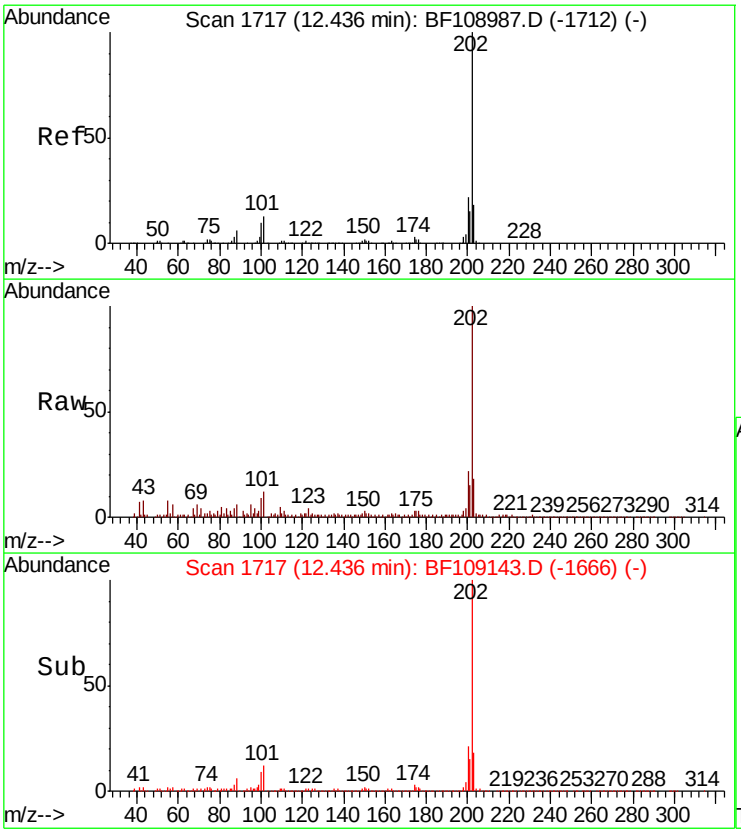
#71
Anthracene
Concen: 14.554 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.05 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 232498

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	14.9	12.6	19.0

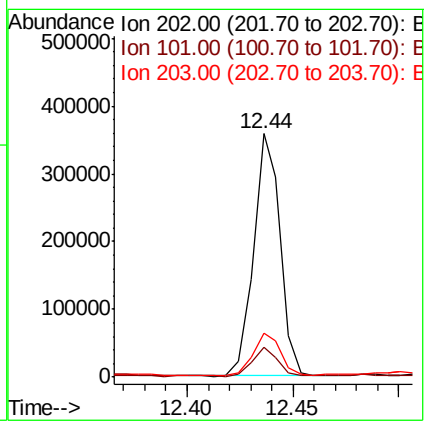


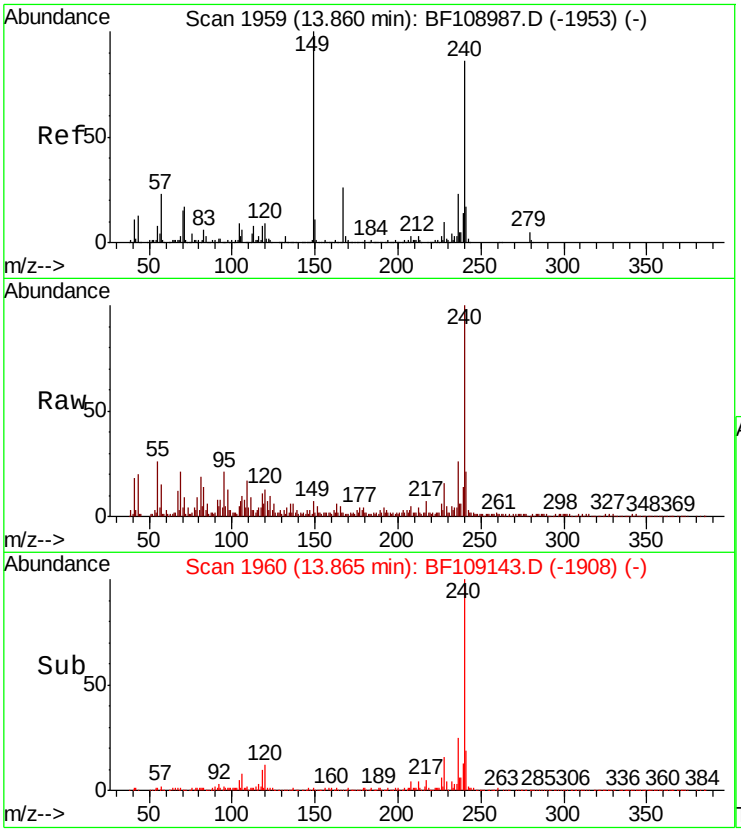


#74
Fluoranthene
Concen: 18.652 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:202 Resp: 310326

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.3	0.0	38.1



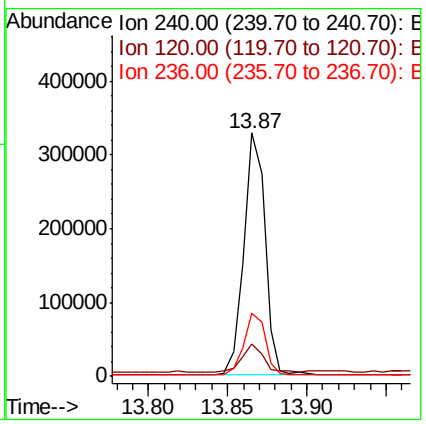


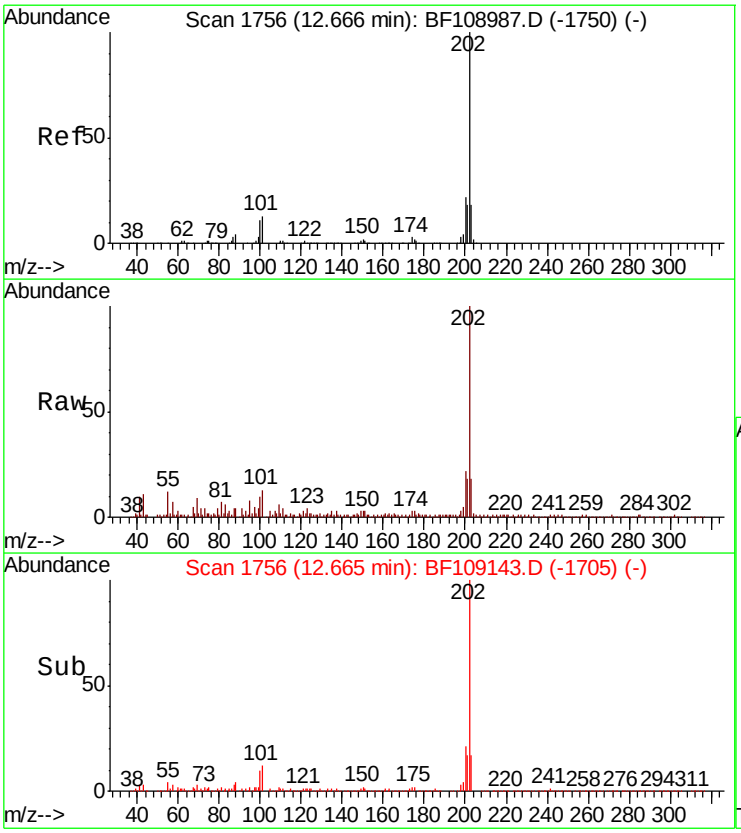
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:240 Resp: 304407

Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	26.0	20.7	31.1

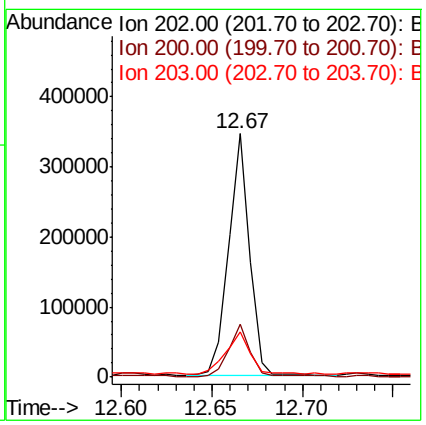


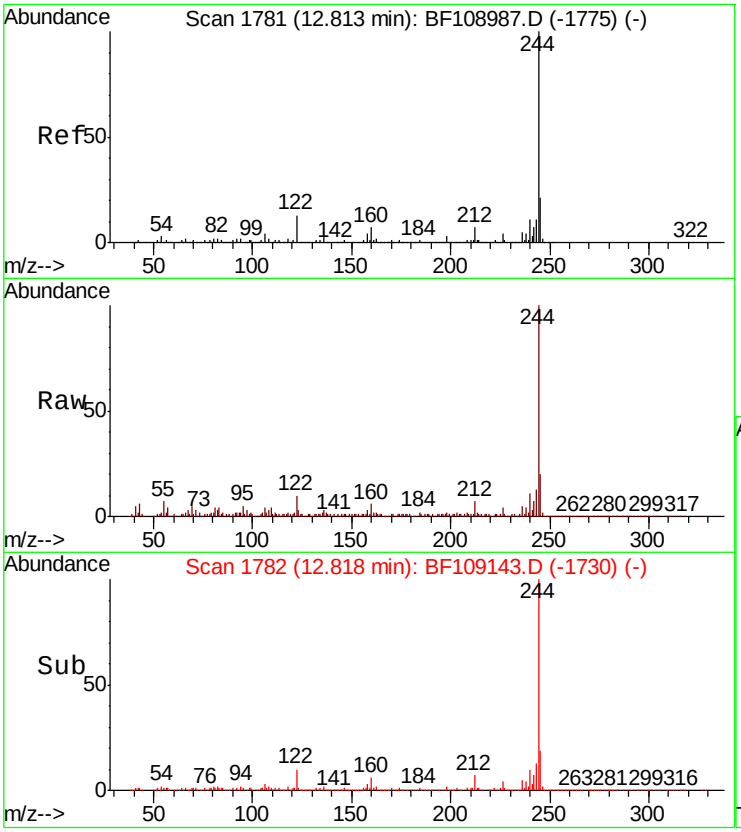


#77
Pyrene
Concen: 12.261 ng
RT: 12.67 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:202 Resp: 277222

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.4	14.3	21.5



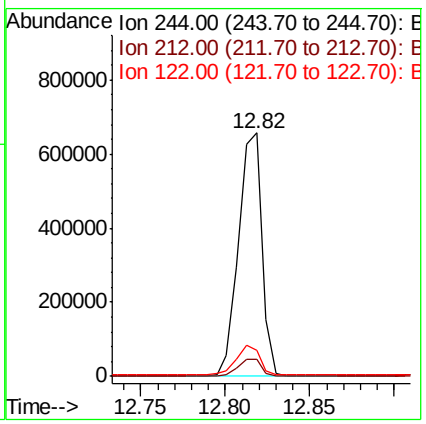


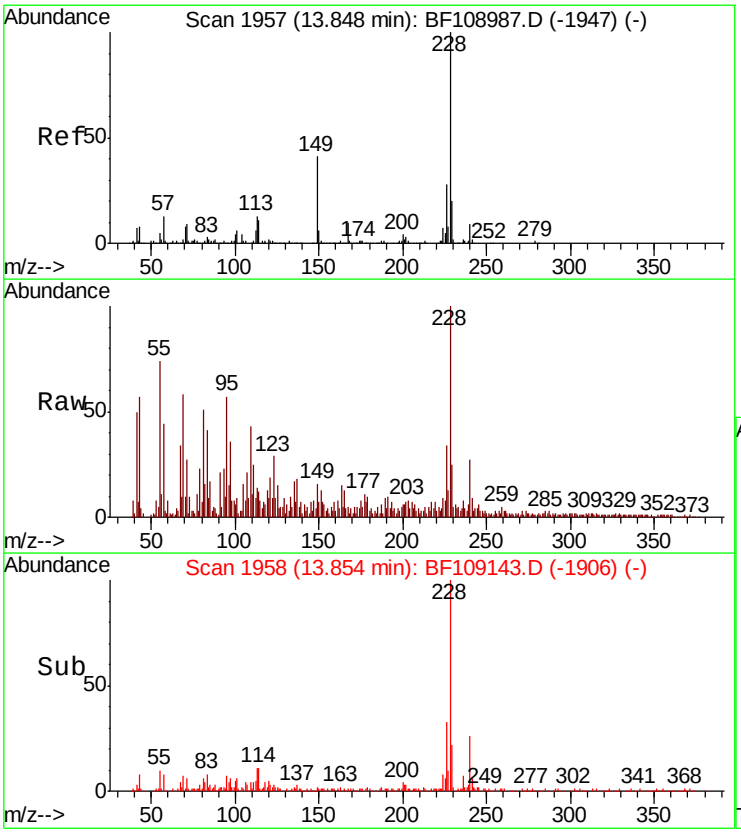
#78
Terphenyl-d14
Concen: 49.524 ng
RT: 12.82 min Scan# 1782
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:244 Resp: 636021

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.5	11.0	16.4#

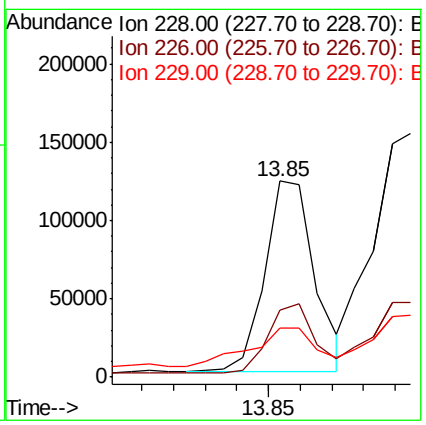


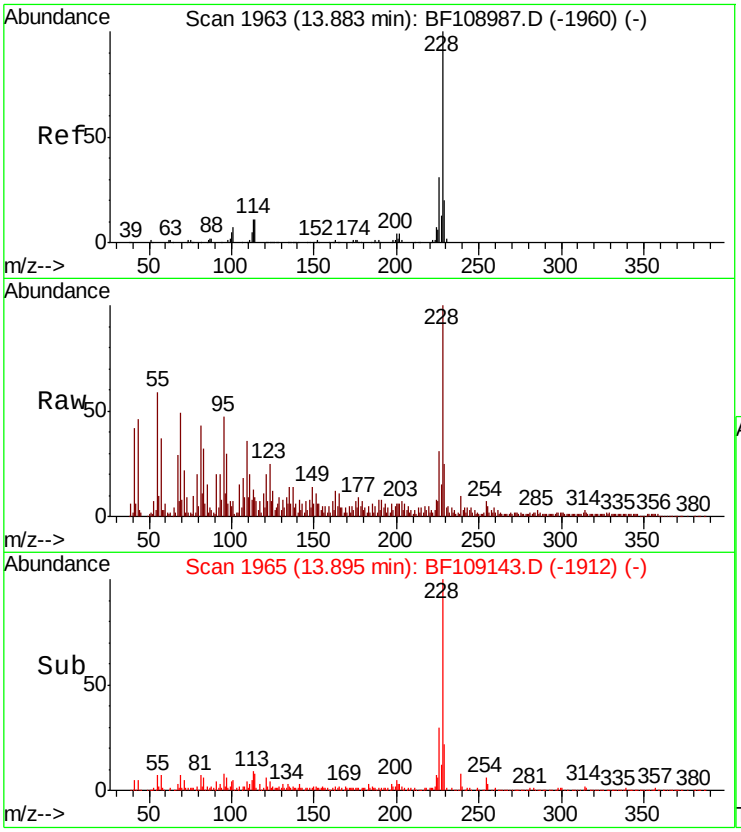


#80
Benzo(a)anthracene
Concen: 7.279 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:228 Resp: 134146

Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8#
229	25.3	15.8	23.6#



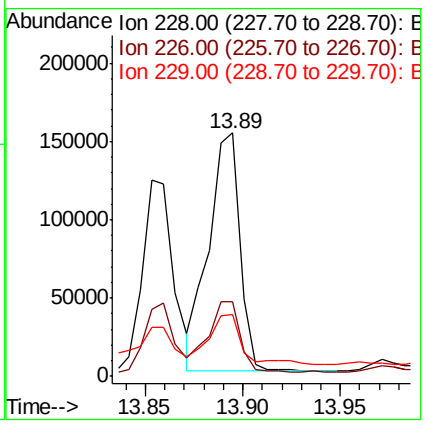


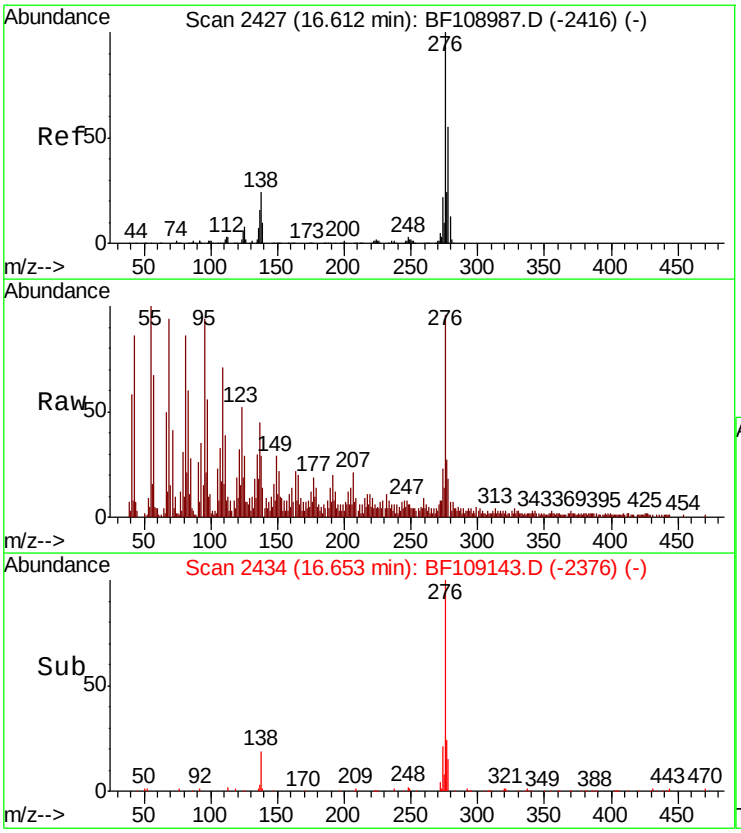
#82
Chrysene
Concen: 9.251 ng
RT: 13.89 min Scan# 1965
Delta R.T. 0.01 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 170586

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	25.2	16.2	24.4#

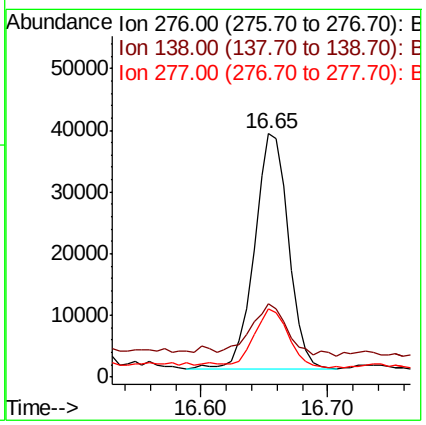


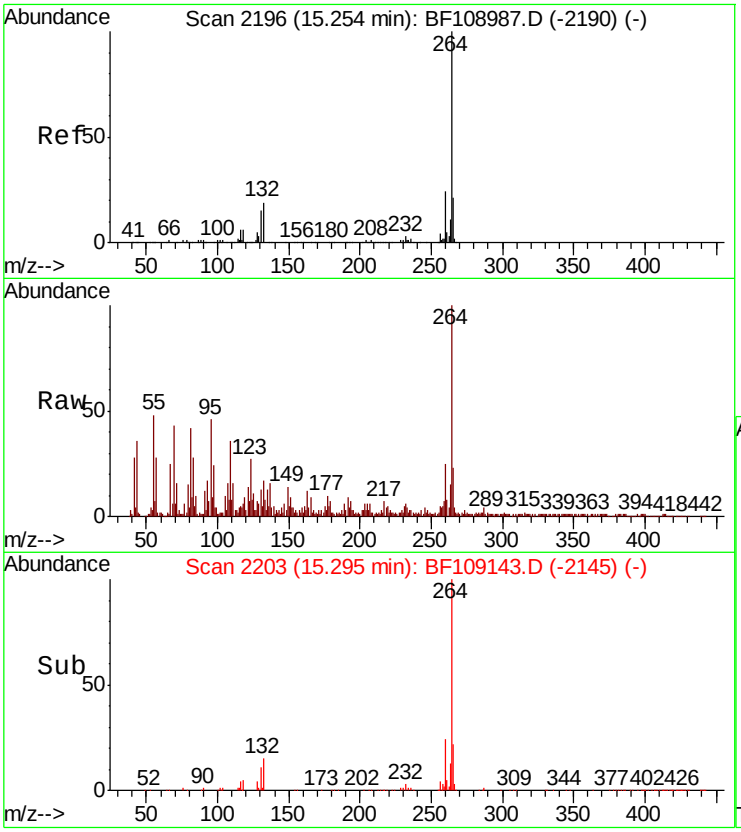


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.794 ng
RT: 16.65 min Scan# 2434
Delta R.T. 0.04 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:276 Resp: 70669

Ion	Ratio	Lower	Upper
276	100		
138	24.5	25.0	37.6#
277	25.1	20.1	30.1



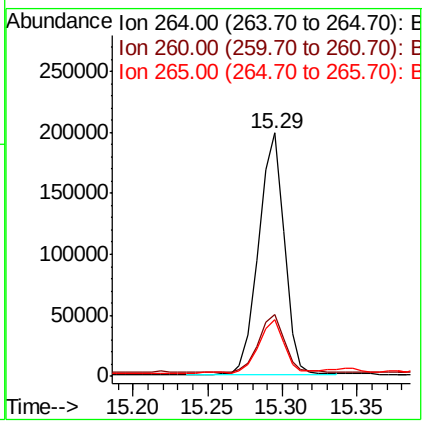


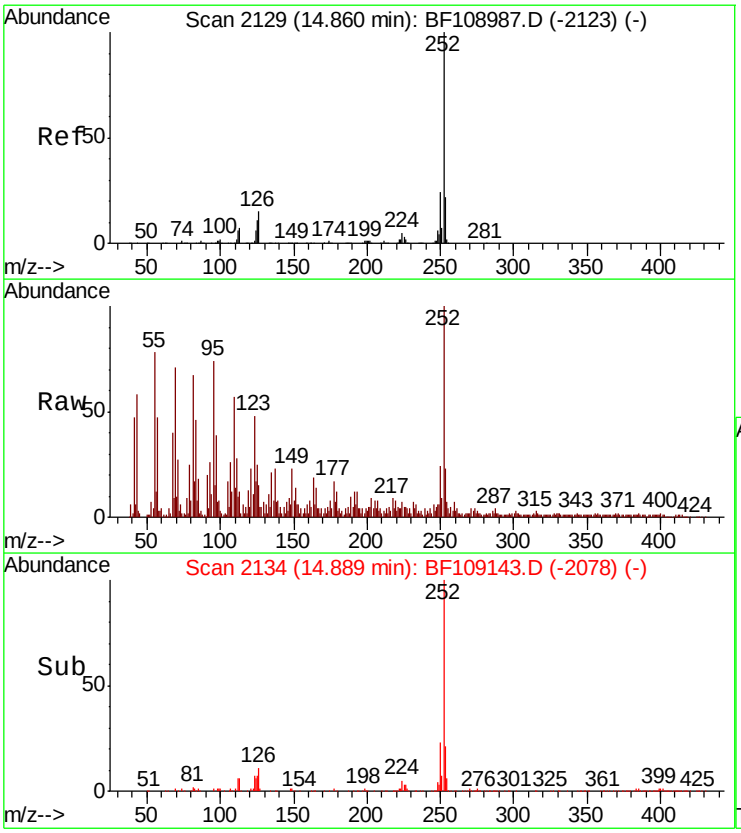
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2203
Delta R.T. 0.04 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 233598

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.2	17.5	26.3

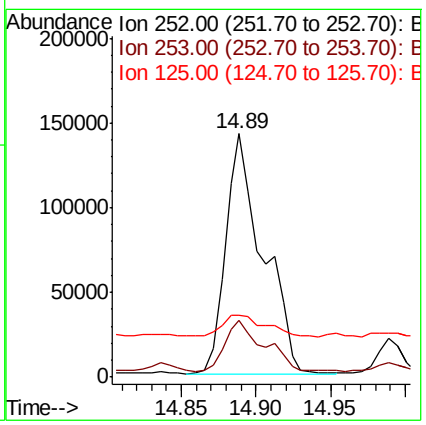


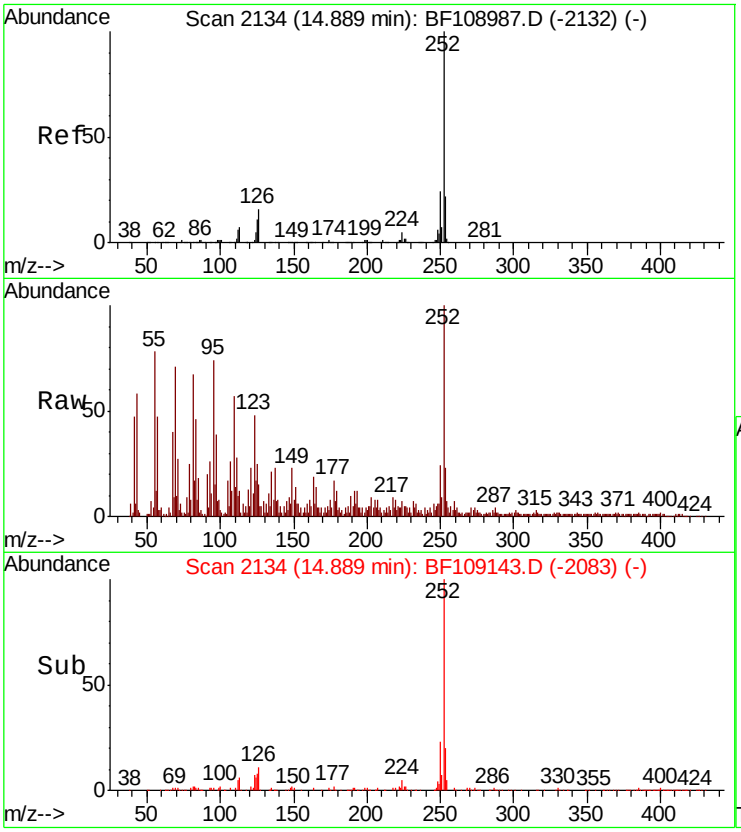


#87
Benzo(b)fluoranthene
Concen: 19.115 ng
RT: 14.89 min Scan# 2134
Delta R.T. 0.03 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:252 Resp: 247028

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	25.4	9.0	13.6#



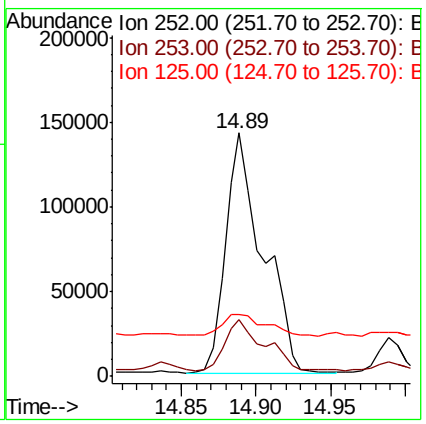


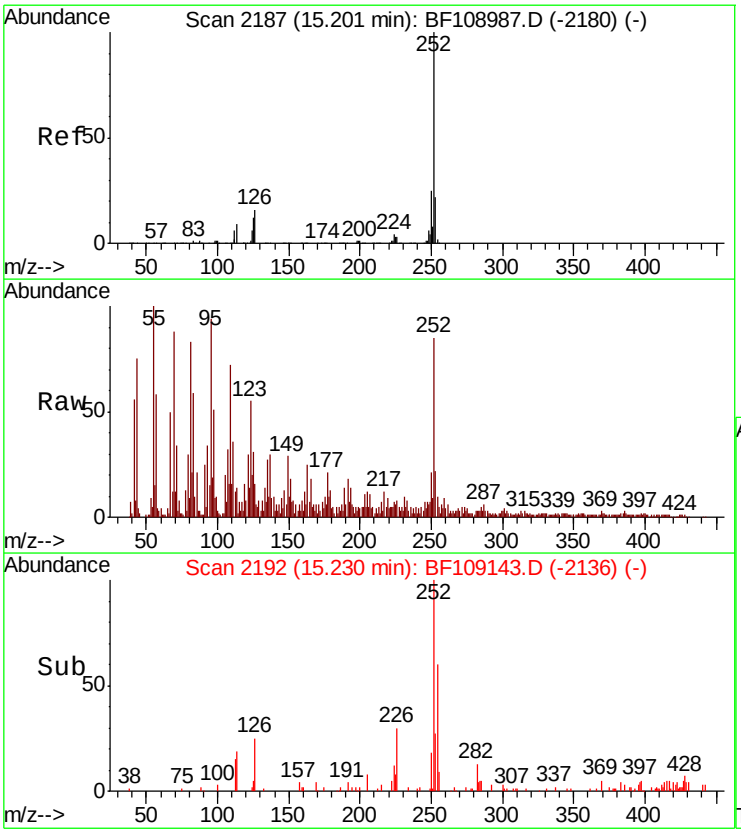
#88
Benzo(k)fluoranthene
Concen: 20.466 ng
RT: 14.89 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 247028

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	25.4	10.2	15.2#

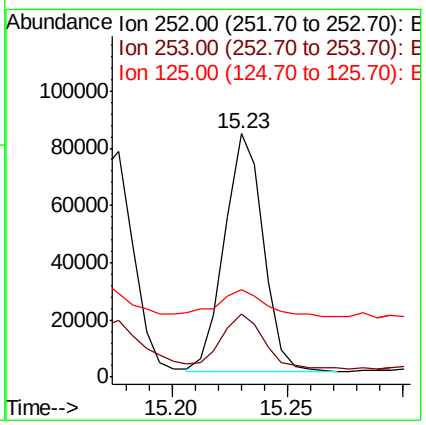


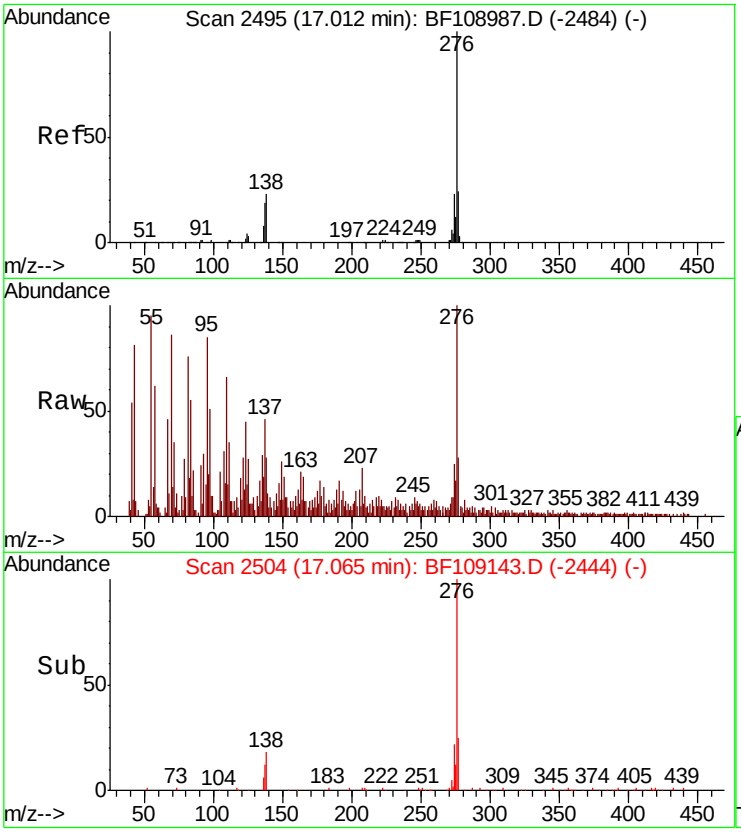


#89
Benzo(a)pyrene
Concen: 8.565 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.03 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Tgt Ion:252 Resp: 98299

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	36.1	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 7.164 ng
RT: 17.07 min Scan# 2504
Delta R.T. 0.05 min
Lab File: BF109143.D
Acq: 19 Sep 2018 15:08

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 69064

Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	28.4	21.8	32.8