Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104747.D
Acq On : 24 Apr 2018 10:02
Operator : JU/SJ
Sample : J2503-07DL 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 24 11:09:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	89386	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	339438	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	140651	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	255252	20.00	ng		0.00
75) Chrysene-d12	13.99	240	166310	20.00	ng		0.00
86) Perylene-d12	15.47	264	121797	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	55338	9.47	ng		0.01
7) Phenol-d6	6.45	99	68366	9.52	ng		0.00
23) Nitrobenzene-d5	7.37	82	33948	6.53	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	14027	9.61	ng		0.00
44) 2-Fluorobiphenyl	9.17	172	74636	8.38	ng		0.00
78) Terphenyl-d14	12.93	244	68940	9.45	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.58	77	1129	Below Cal		#	76
25) Isophorone	7.37	82	33948	3.088	ng	#	64
50) 2,6-Dinitrotoluene	9.85	165	18071	8.805	ng	#	25
55) 4-Nitrophenol	10.06	139	5004	2.651	ng	#	9
56) 2,4-Dinitrotoluene	9.85	165	18071	6.713	ng	#	23
57) Fluorene	10.40	166	20478	2.260	ng	#	94
70) Phenanthrene	11.37	178	291378	20.498	ng		98
71) Anthracene	11.42	178	81009	5.606	ng		98
72) Carbazole	11.57	167	43009	3.046	ng		98
74) Fluoranthene	12.56	202	446540	30.067	ng		97
76) Benzidine	12.69	184	220	Below Cal		#	66
77) Pyrene	12.79	202	387509	31.435	ng		99
80) Benzo(a)anthracene	13.98	228	167743	16.883	ng		97
82) Chrysene	14.02	228	140368	13.754	ng		98
87) Benzo(b)fluoranthene	15.04	252	192122	24.975	ng	#	93
88) Benzo(k)fluoranthene	15.04	252	192122	26.454	ng		96
89) Benzo(a)pyrene	15.40	252	99267	14.422	ng	#	93
90) Dibenzo(a,h)anthracene	16.94	278	14920	2.639	ng	#	79
91) Benzo(g,h,i)perylene	17.39	276	57342	10.470	ng		97

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

Quantitation Report (Not Reviewed)

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BNA_F
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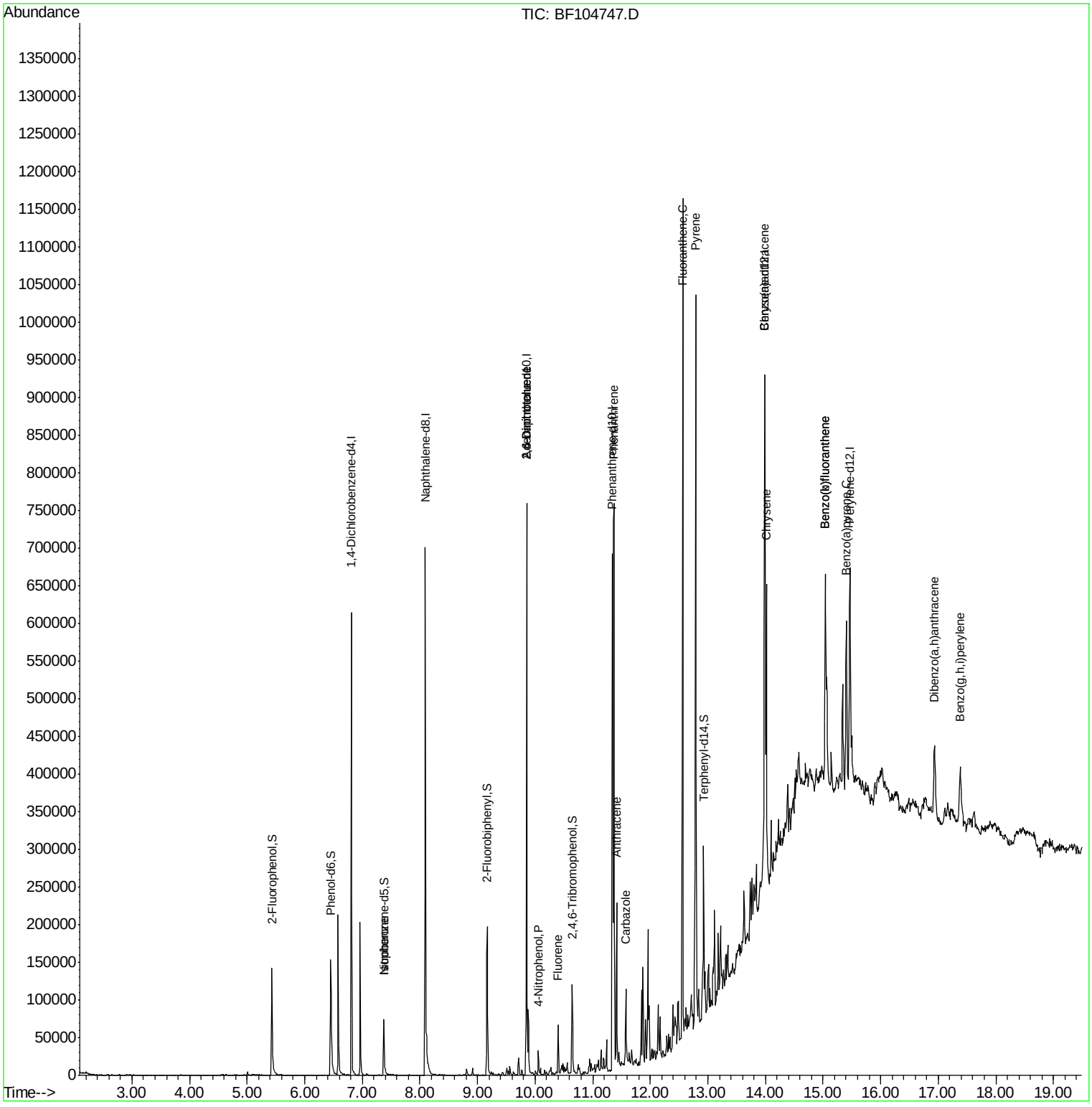
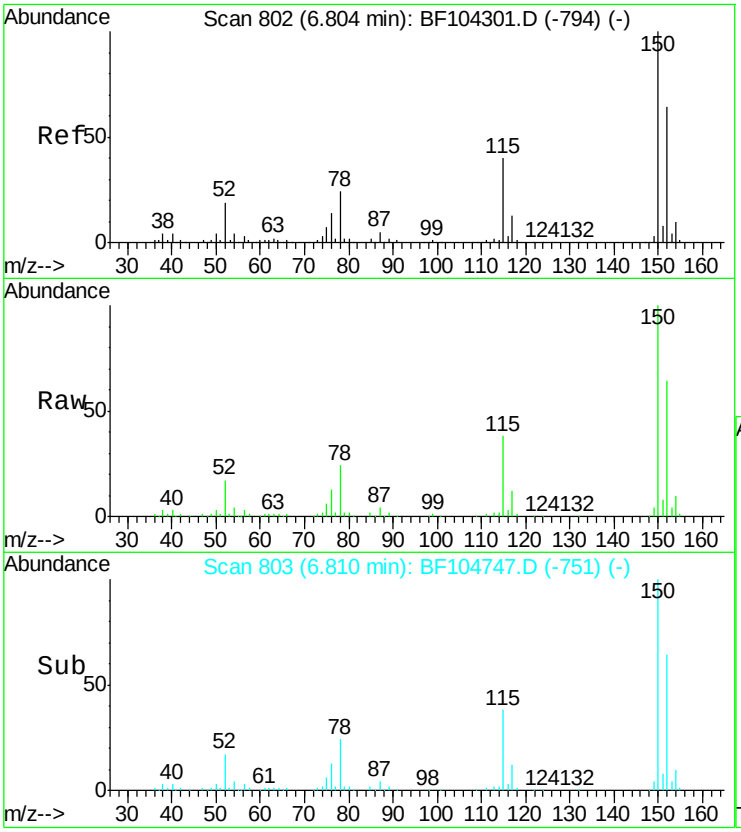
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



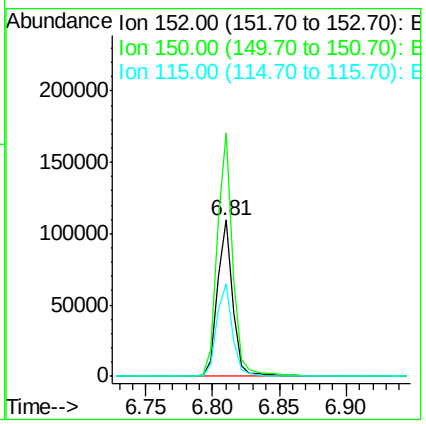


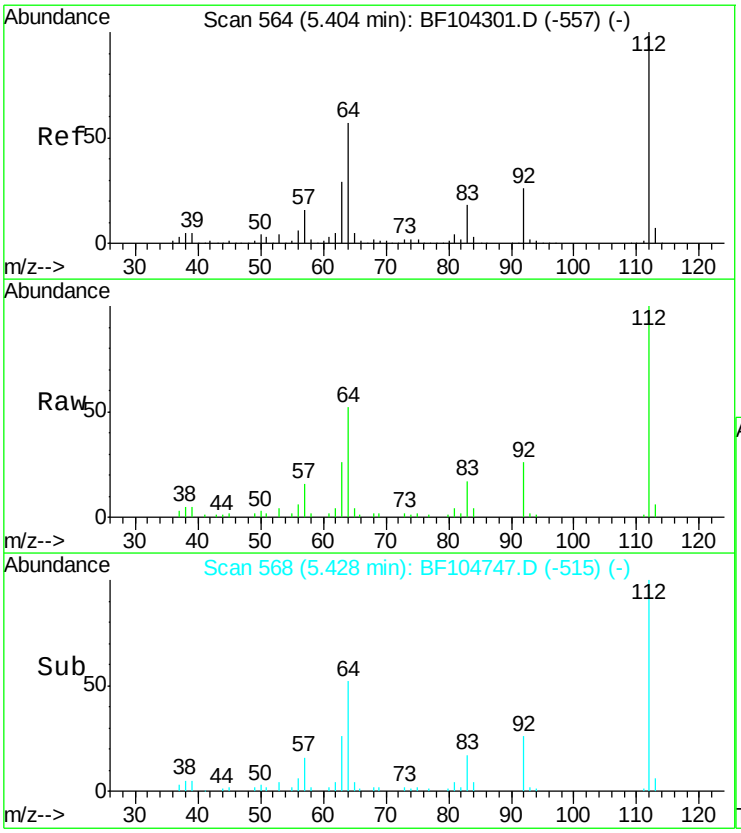
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 89386

Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	59.4	50.1	75.1

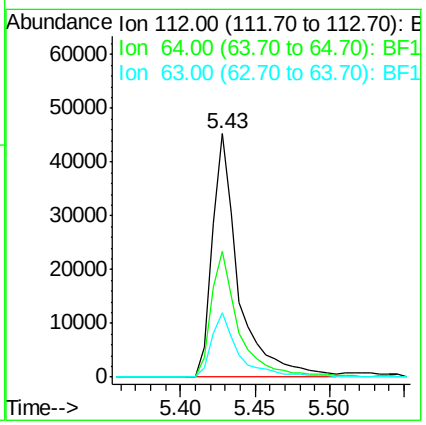


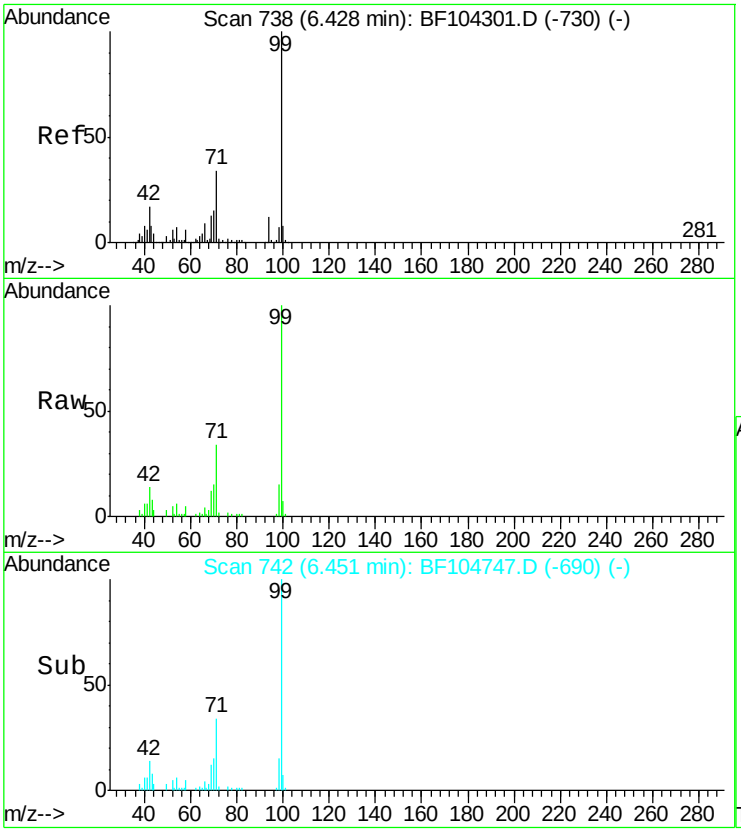


#5
2-Fluorophenol
Concen: 9.466 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:112 Resp: 55338

Ion	Ratio	Lower	Upper
112	100		
64	51.7	47.9	71.9
63	26.4	23.7	35.5



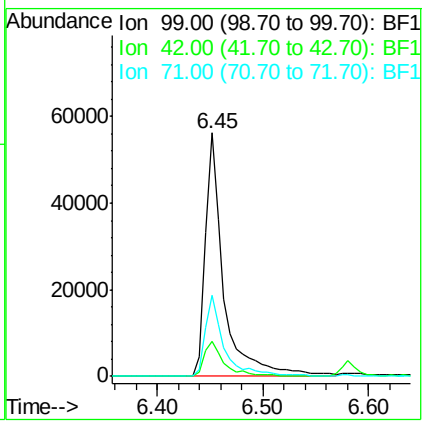


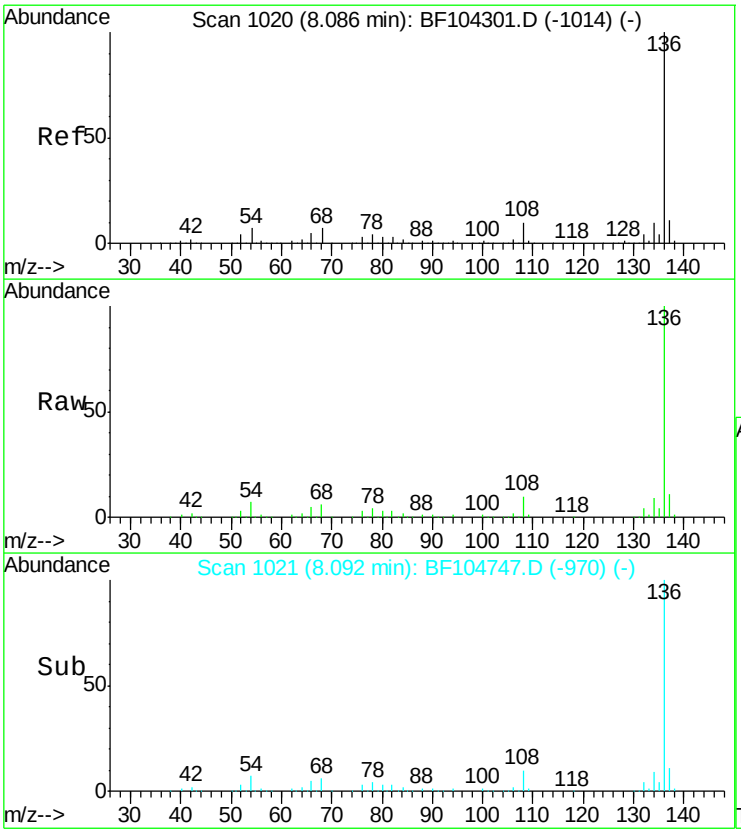
#7
Phenol-d6
Concen: 9.518 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 68366

Ion	Ratio	Lower	Upper
99	100		
42	14.2	14.5	21.7#
71	33.5	25.4	38.0

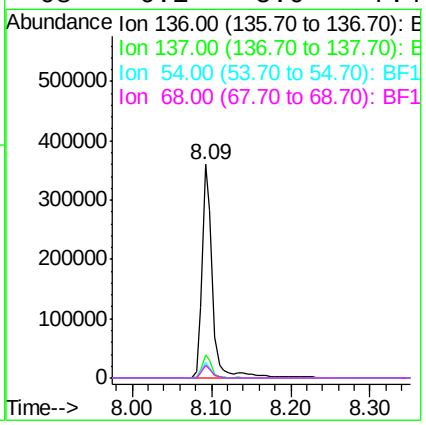


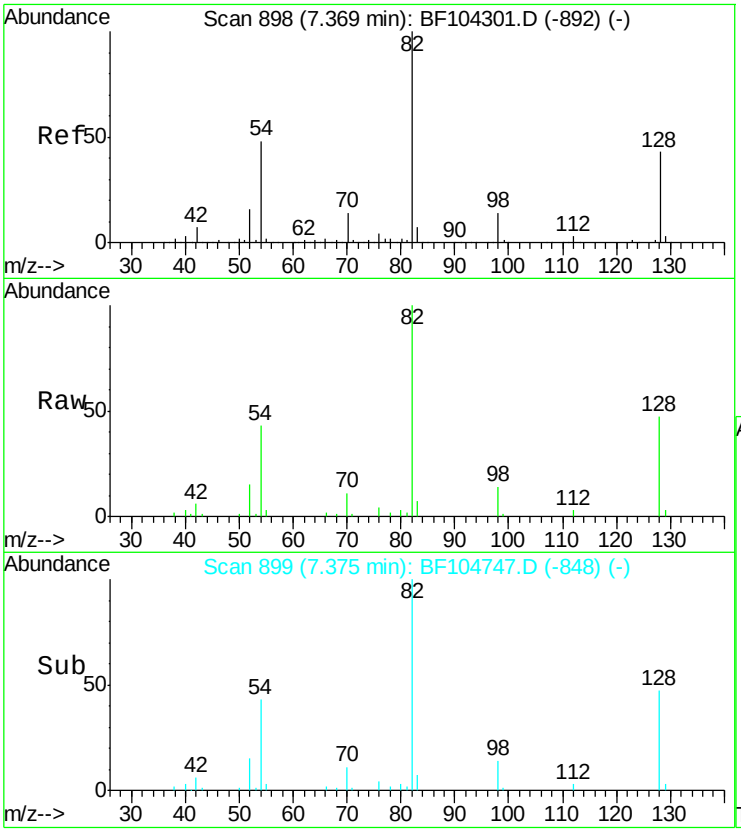


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:136 Resp: 339438

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.6	9.8
68	6.1	5.0	7.4



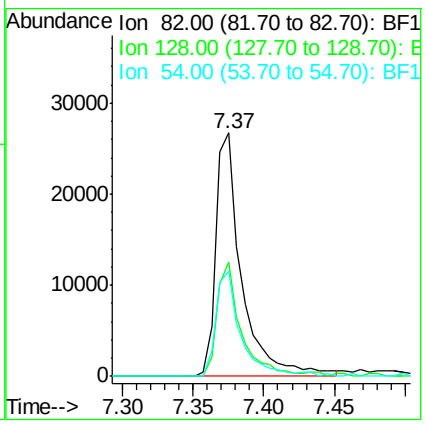


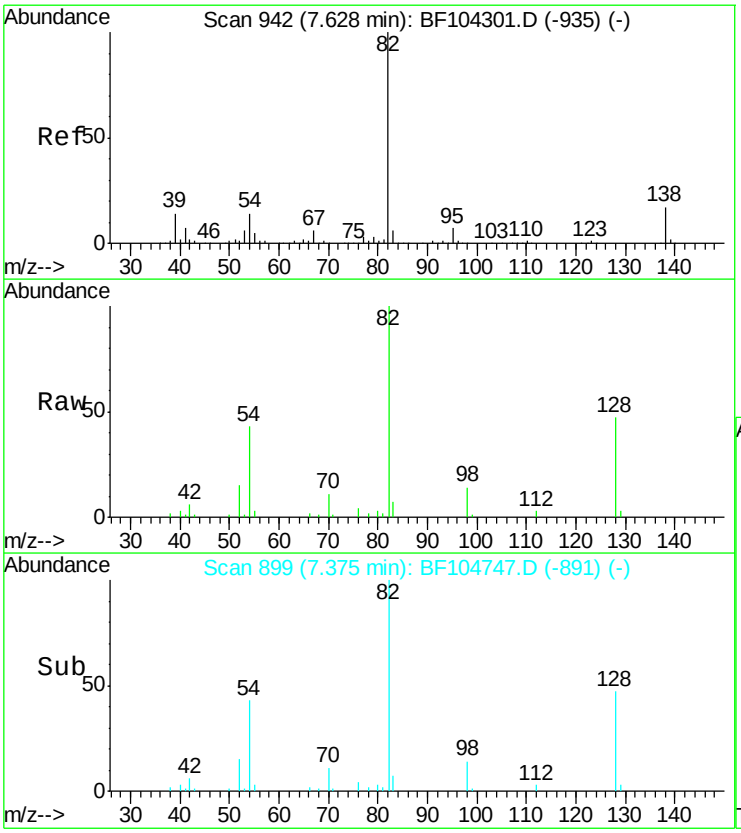
#23
Nitrobenzene-d5
Concen: 6.531 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 33948

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	43.2	41.4	62.2

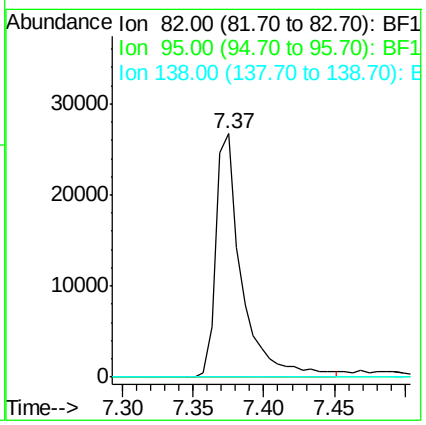


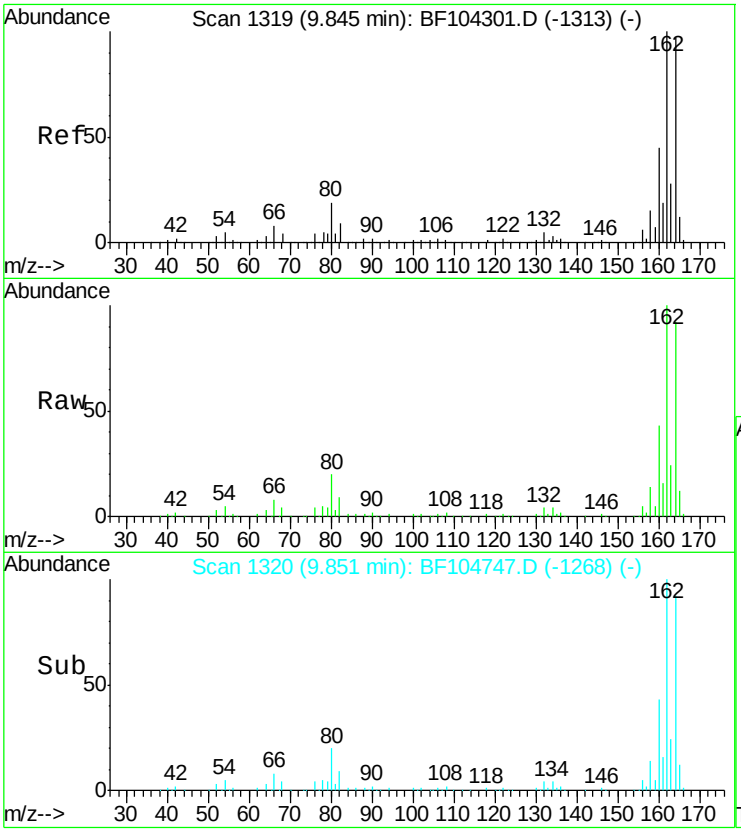


#25
Isophorone
Concen: 3.088 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion: 82 Resp: 33948

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



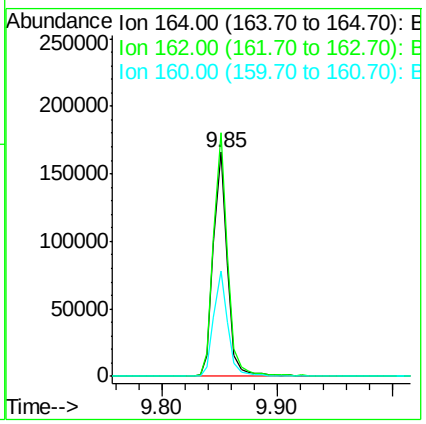


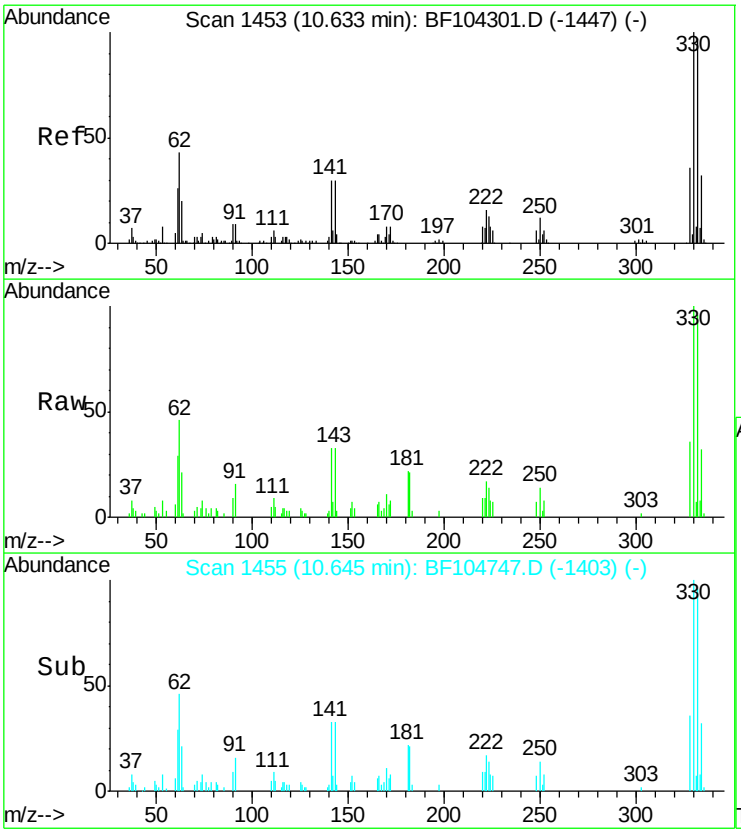
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 140651

Ion	Ratio	Lower	Upper
164	100		
162	108.7	86.1	129.1
160	46.9	38.3	57.5

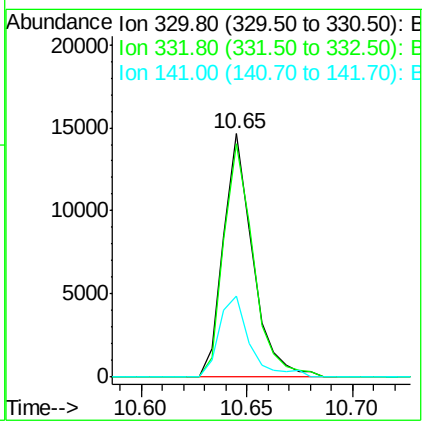


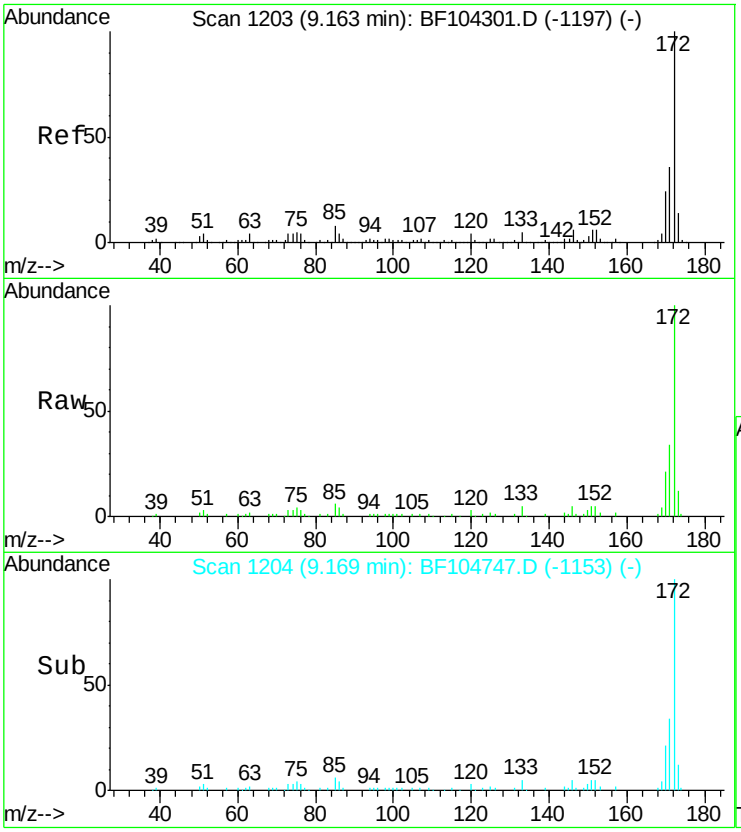


#41
2,4,6-Tribromophenol
Concen: 9.614 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:330 Resp: 14027

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	35.0	29.9	44.9



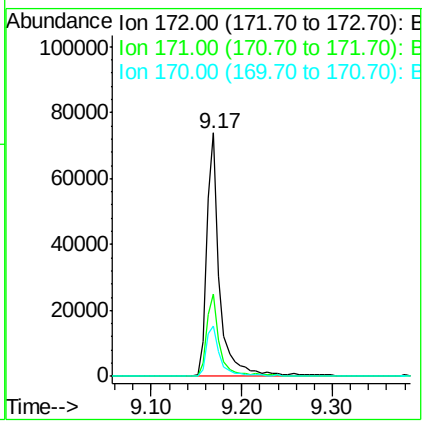


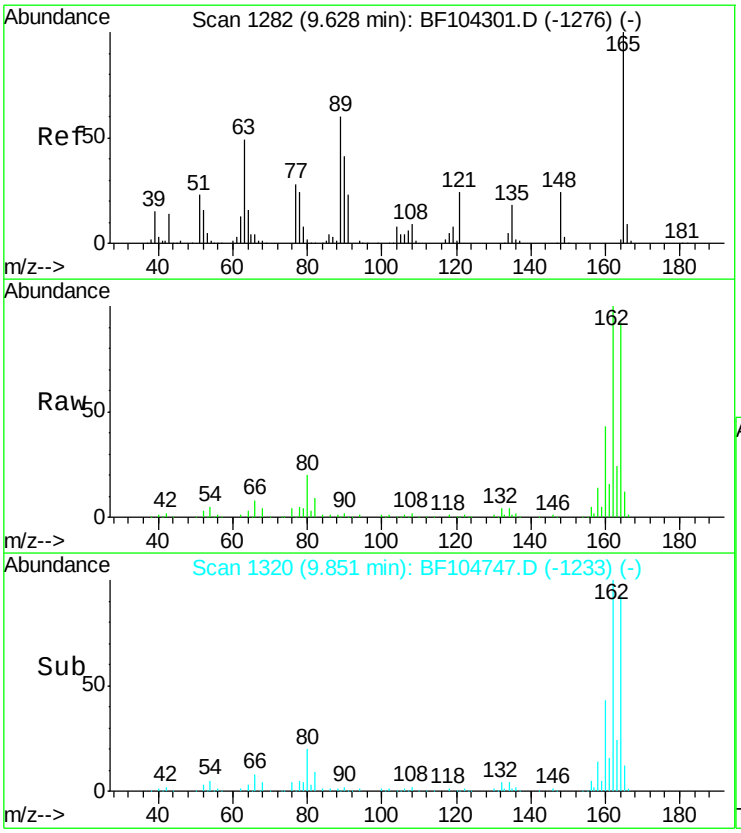
#44
2-Fluorobiphenyl
Concen: 8.383 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 74636

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	20.9	19.6	29.4

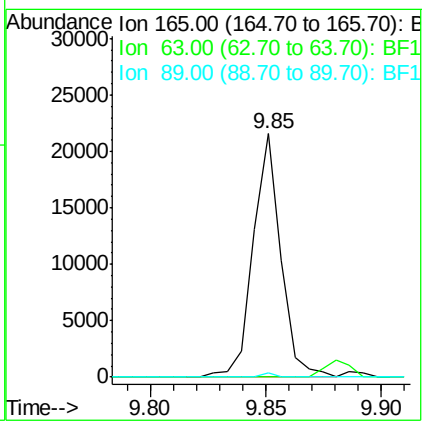


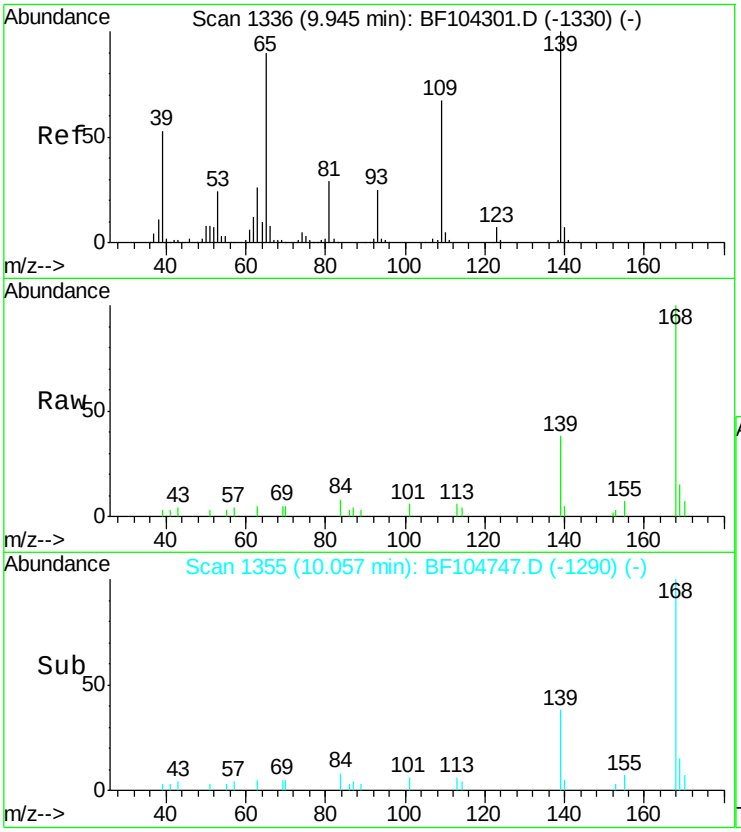


#50
2,6-Dinitrotoluene
Concen: 8.805 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:165 Resp: 18071

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.8	44.0	66.0#



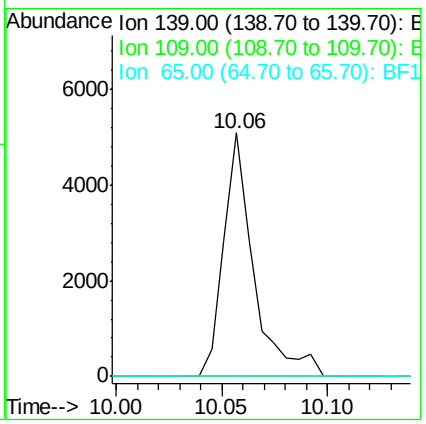


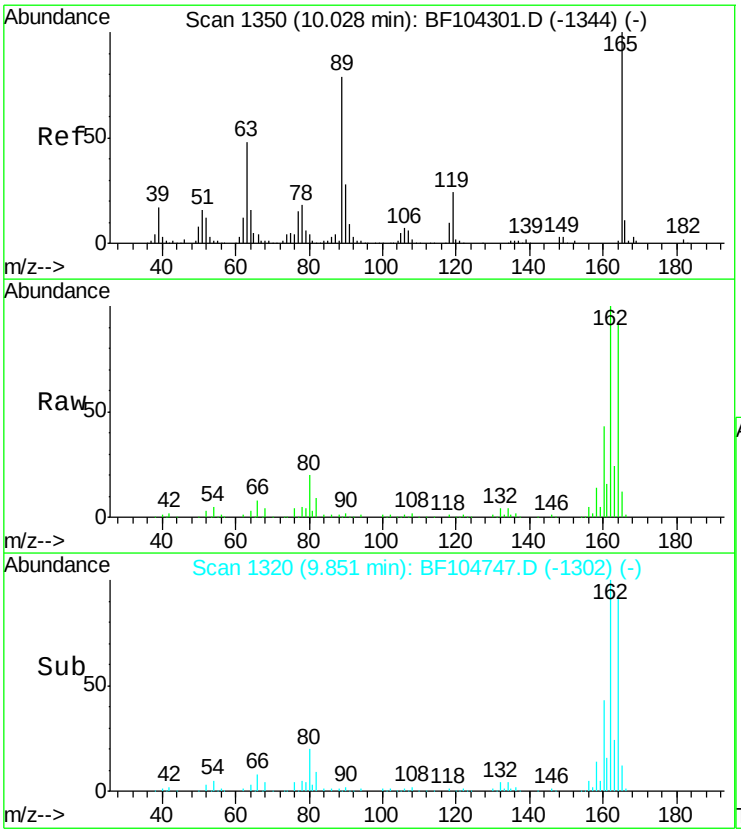
#55
4-Nitrophenol
Concen: 2.651 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.08 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 5004

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

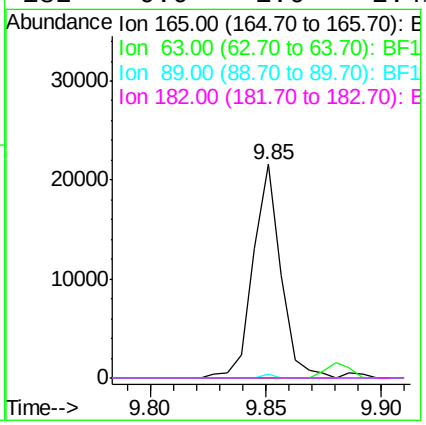


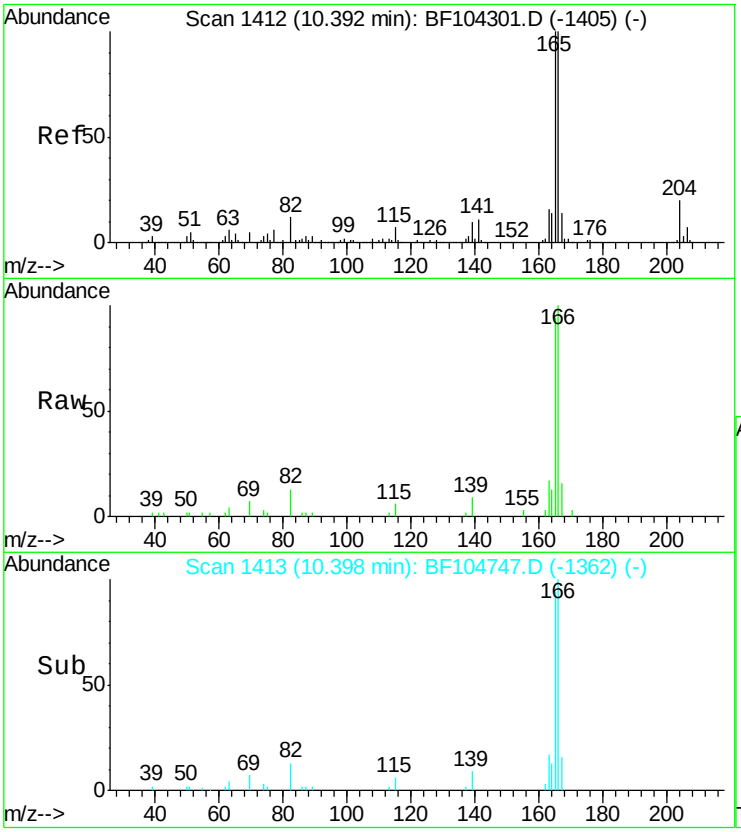


#56
2,4-Dinitrotoluene
Concen: 6.713 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:165 Resp: 18071

Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



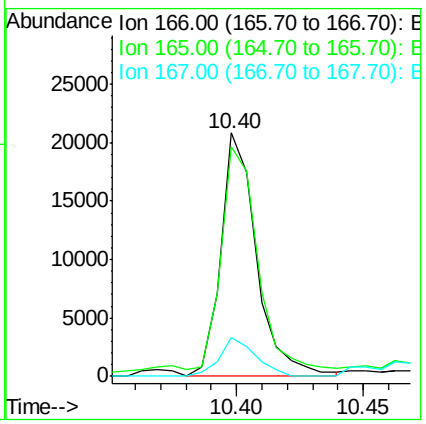


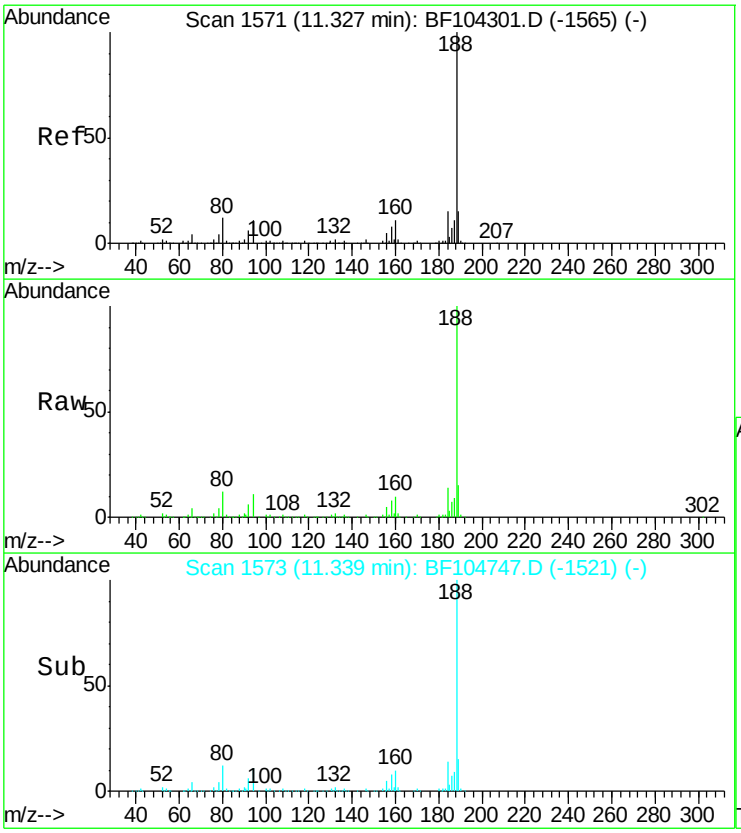
#57
Fluorene
Concen: 2.260 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 20478

Ion	Ratio	Lower	Upper
166	100		
165	94.4	79.8	119.8
167	16.0	10.6	16.0#

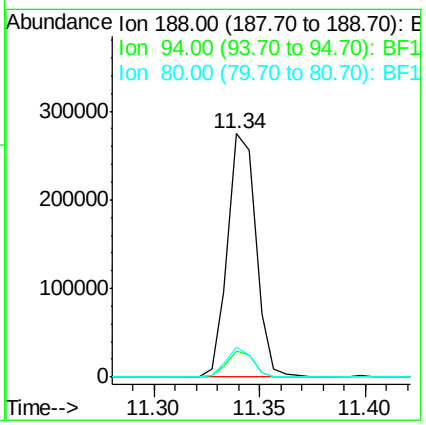


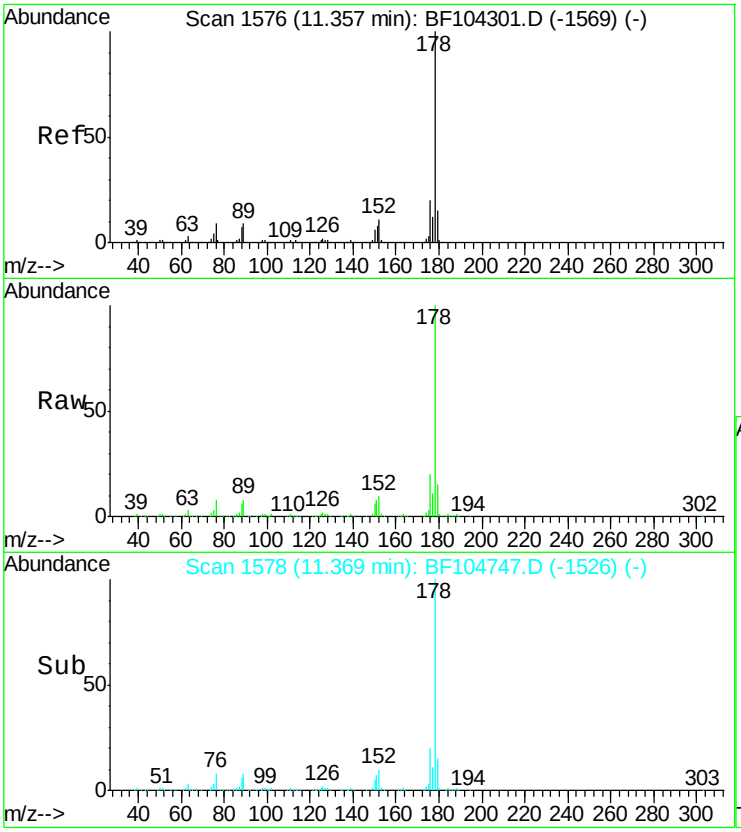


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:188 Resp: 255252

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	12.1	9.2	13.8



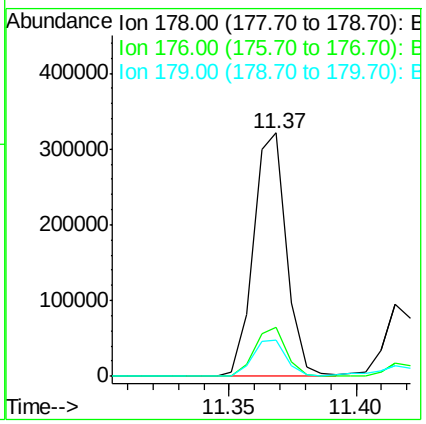


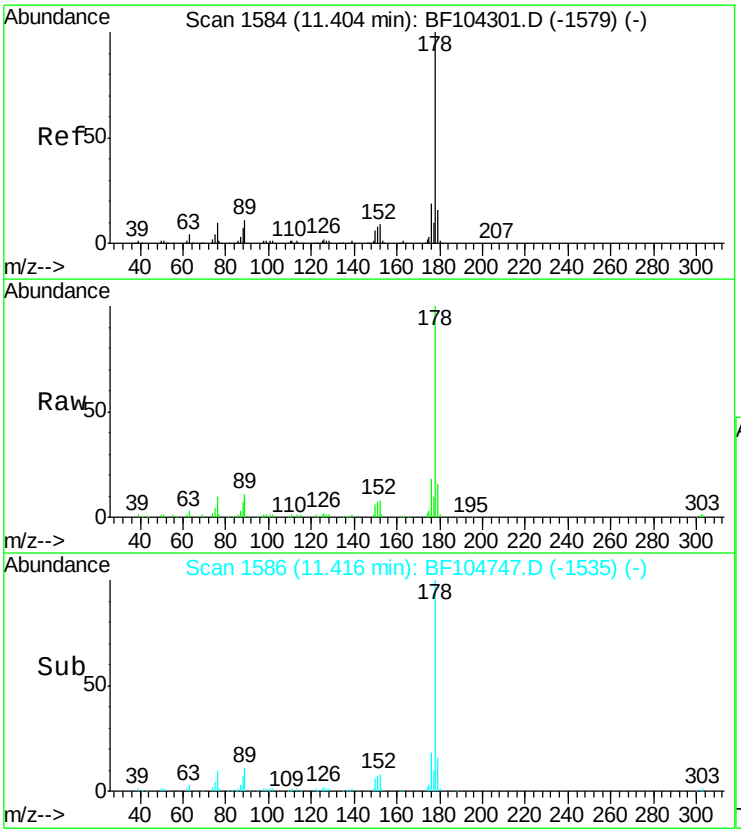
#70
Phenanthrene
Concen: 20.498 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 291378

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	14.9	13.0	19.6

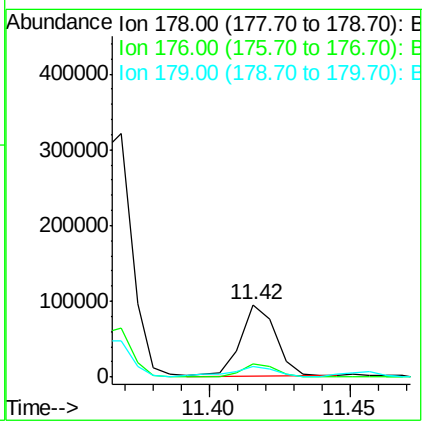


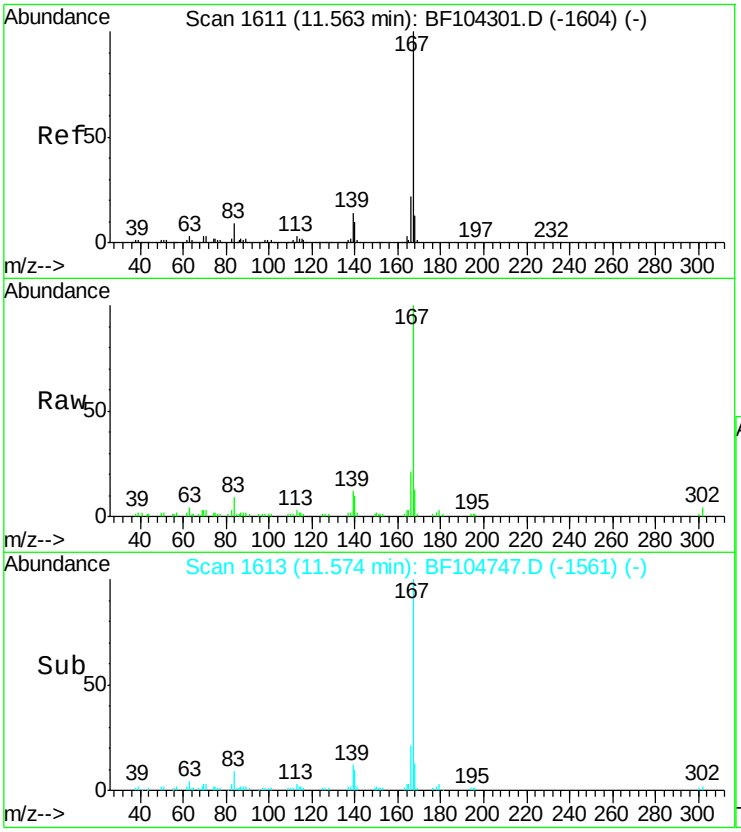


#71
Anthracene
Concen: 5.606 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:178 Resp: 81009

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.6	12.6	19.0



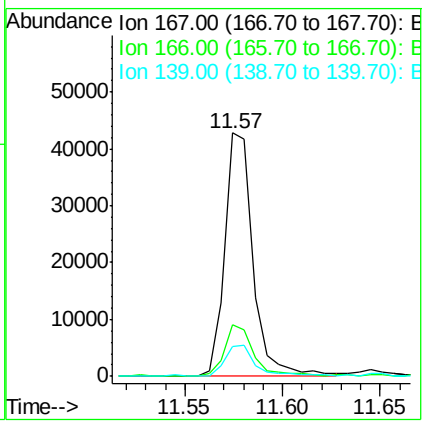


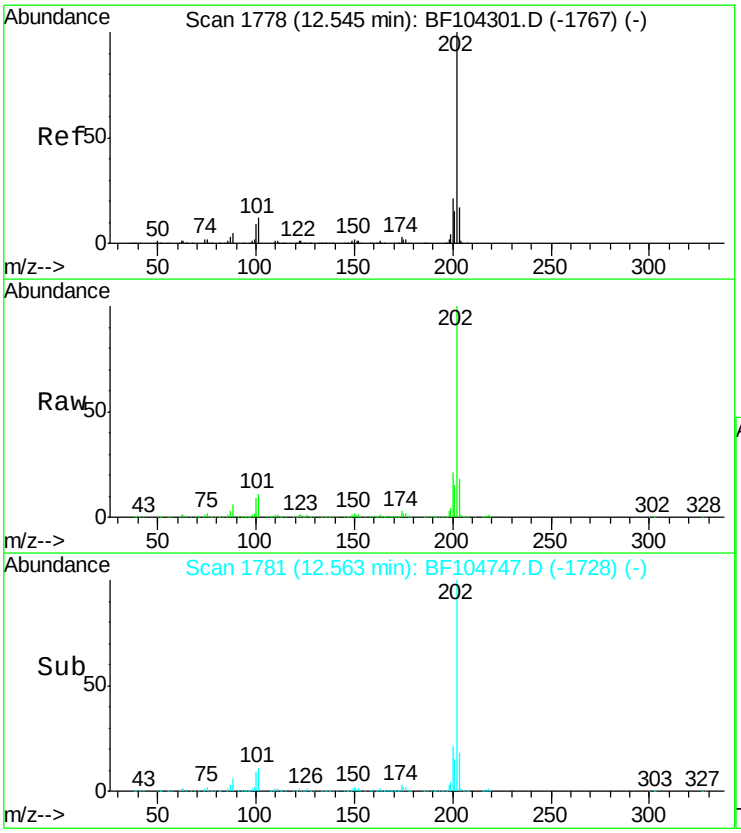
#72
Carbazole
Concen: 3.046 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 43009

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	12.3	10.9	16.3

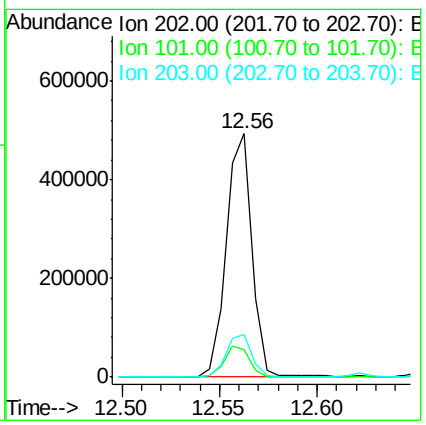


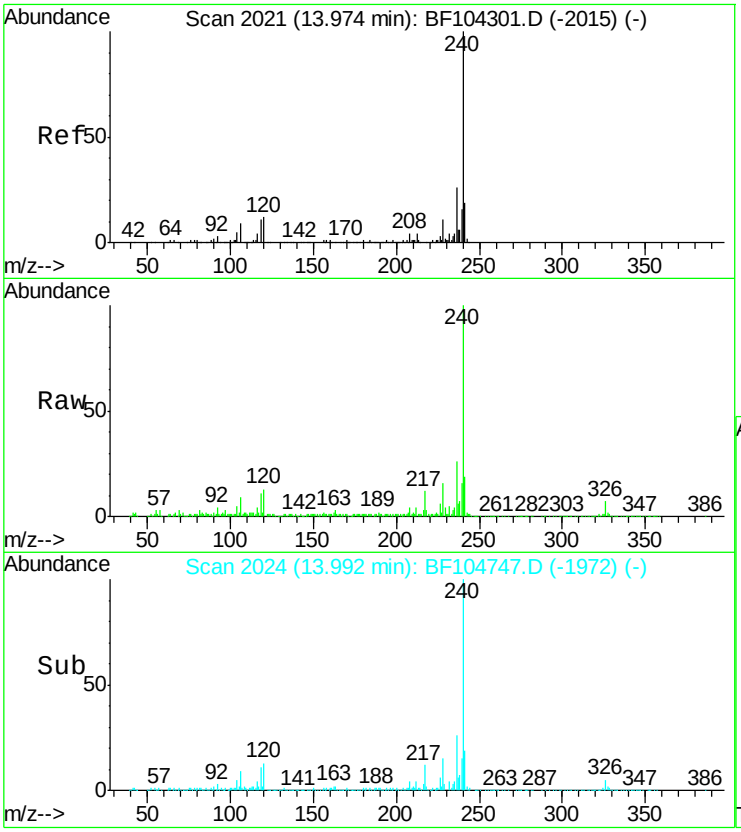


#74
Fluoranthene
Concen: 30.067 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:202 Resp: 446540

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.6	0.0	38.1



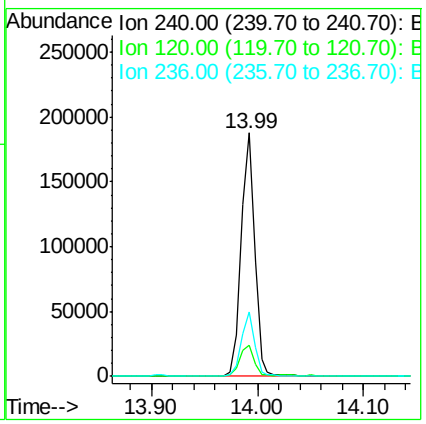


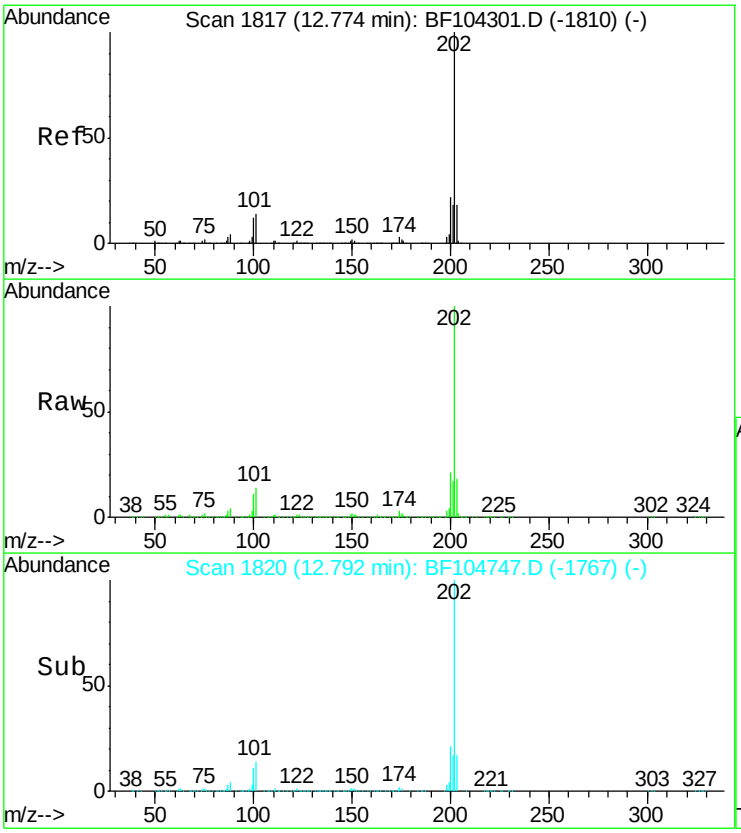
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 166310

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	26.3	20.7	31.1

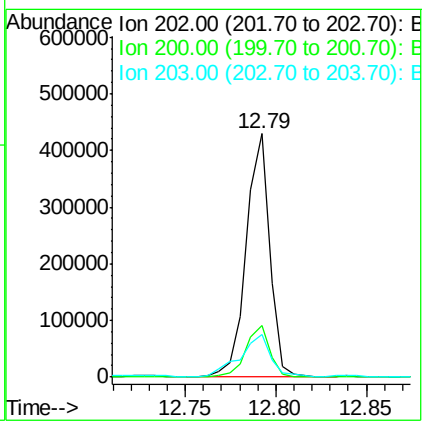


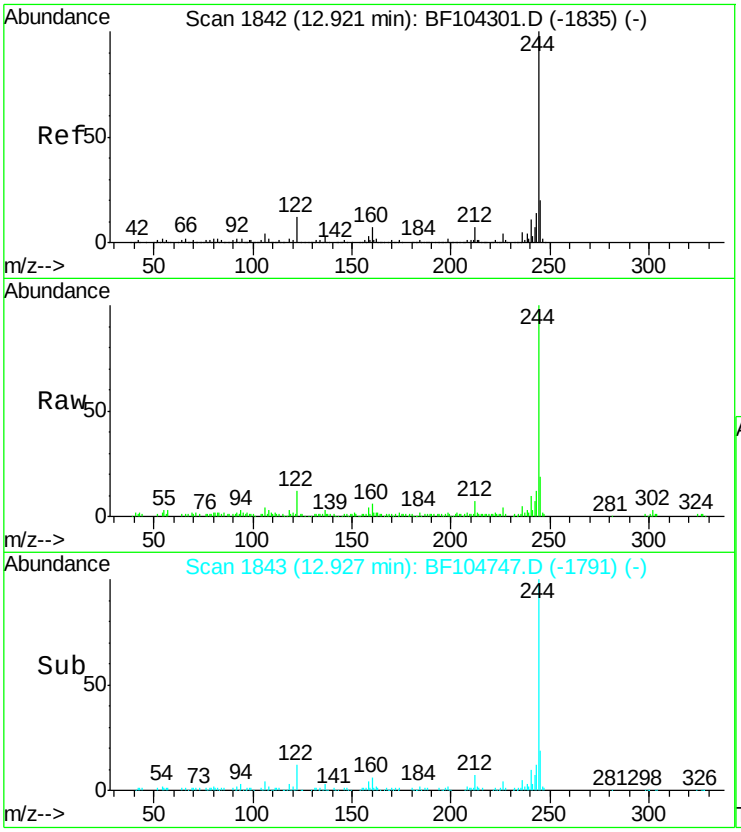


#77
Pyrene
Concen: 31.435 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:202 Resp: 387509

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5



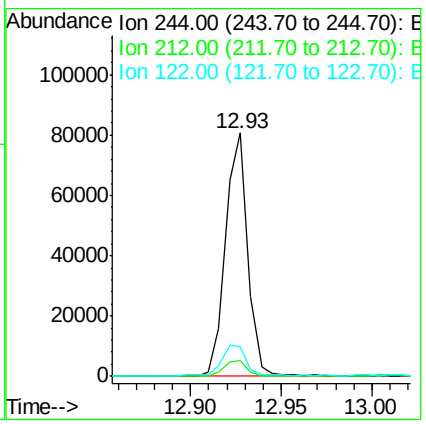


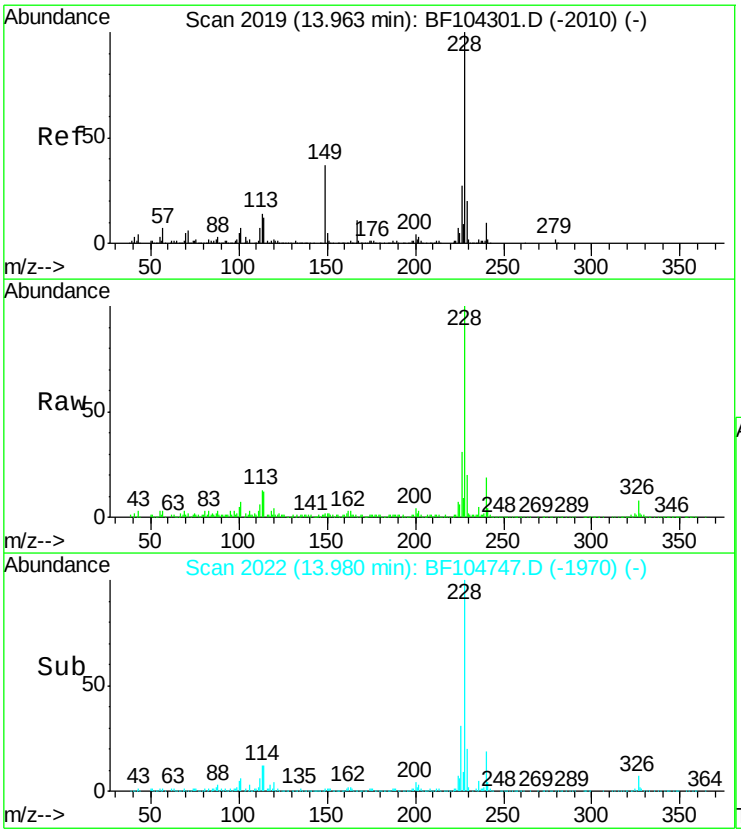
#78
Terphenyl-d14
Concen: 9.451 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 68940

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.0	11.0	16.4

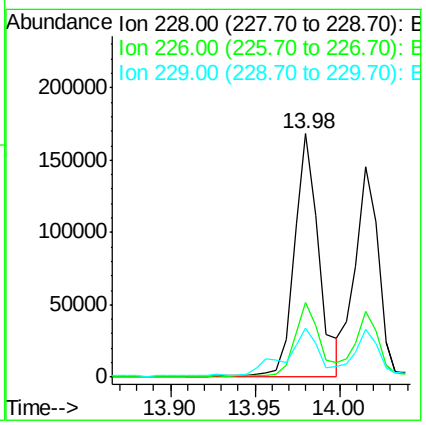


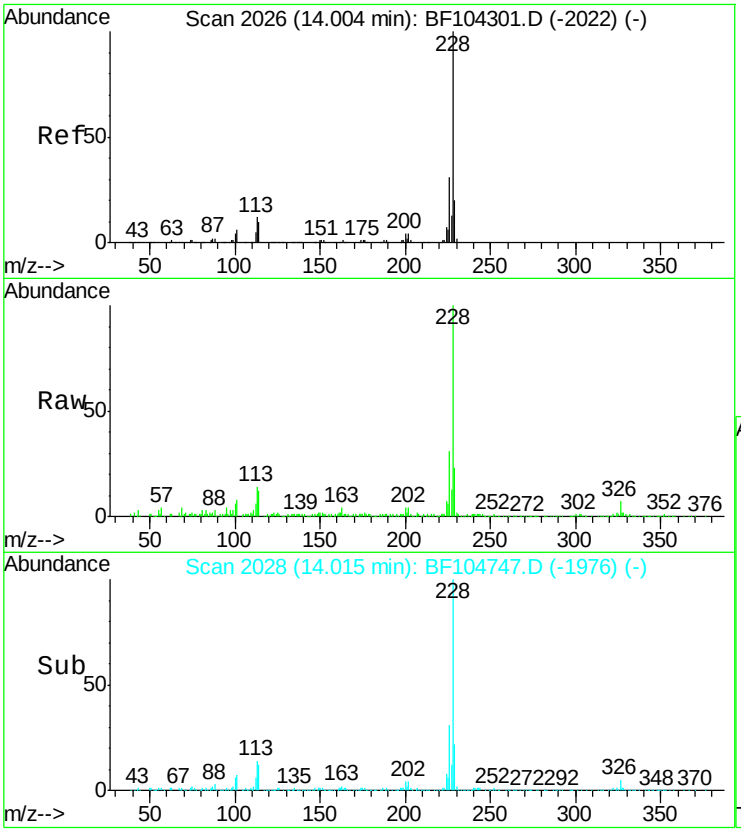


#80
Benzo(a)anthracene
Concen: 16.883 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:228 Resp: 167743

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	20.2	15.8	23.6



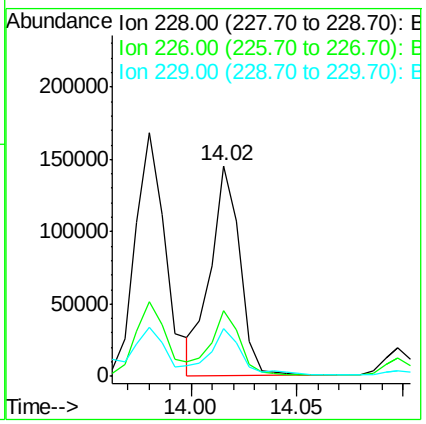


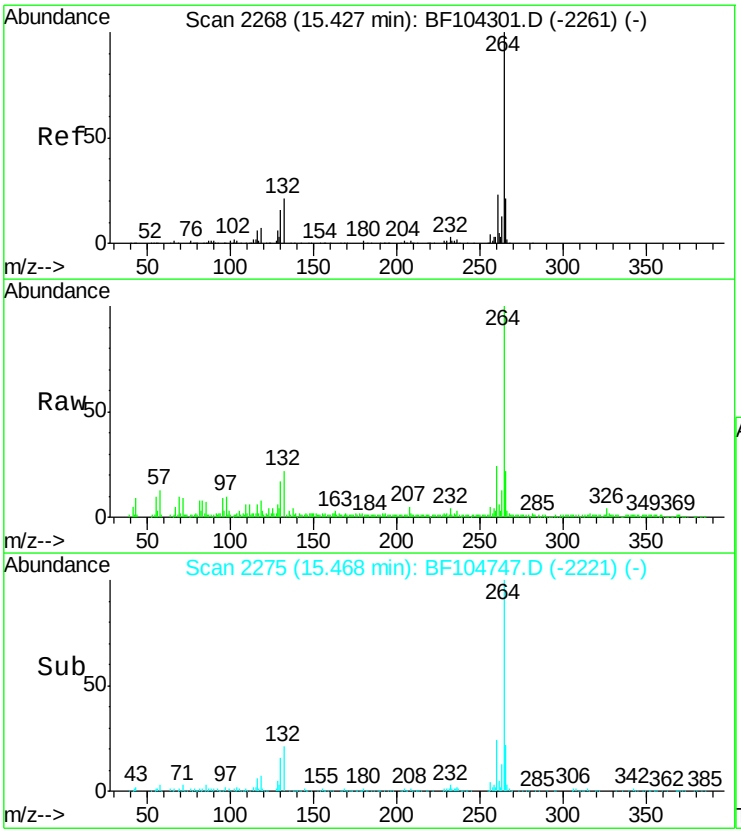
#82
Chrysene
Concen: 13.754 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 140368

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.5	16.2	24.4

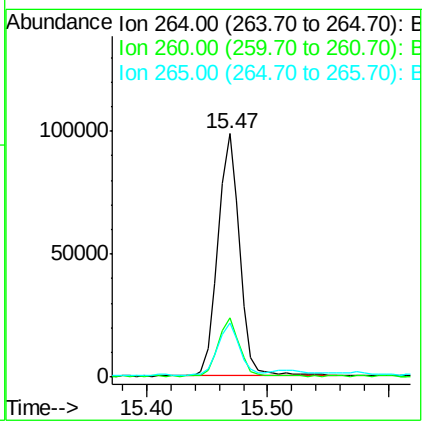


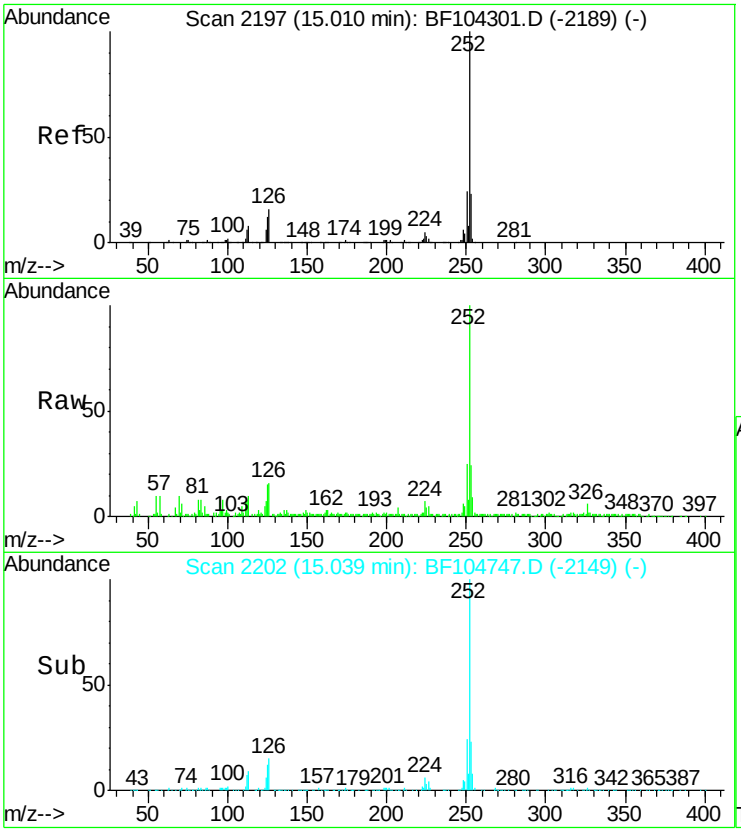


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:264 Resp: 121797

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.4	17.5	26.3



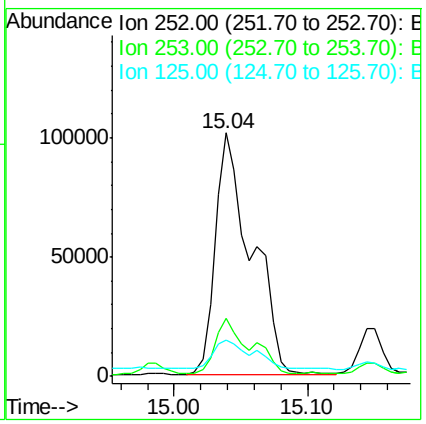


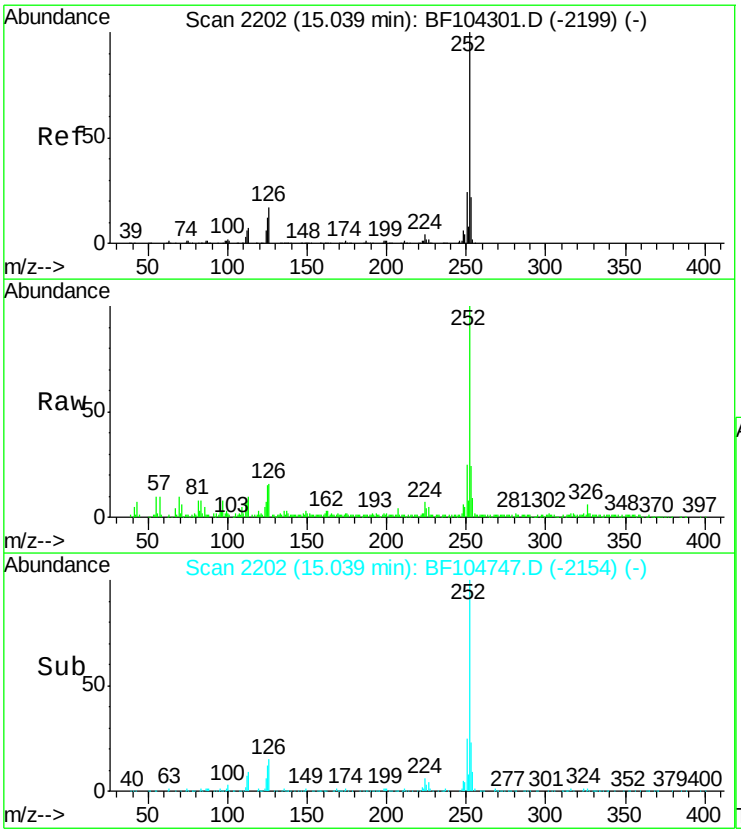
#87
Benzo(b)fluoranthene
Concen: 24.975 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 192122

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.0	9.0	13.6#

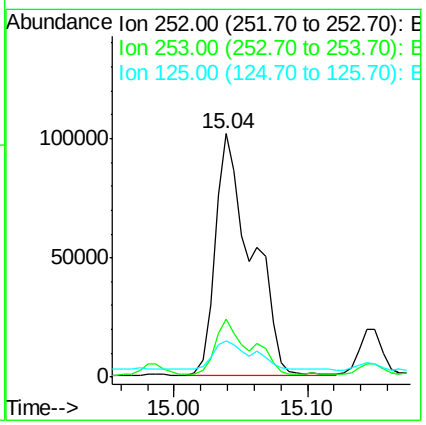


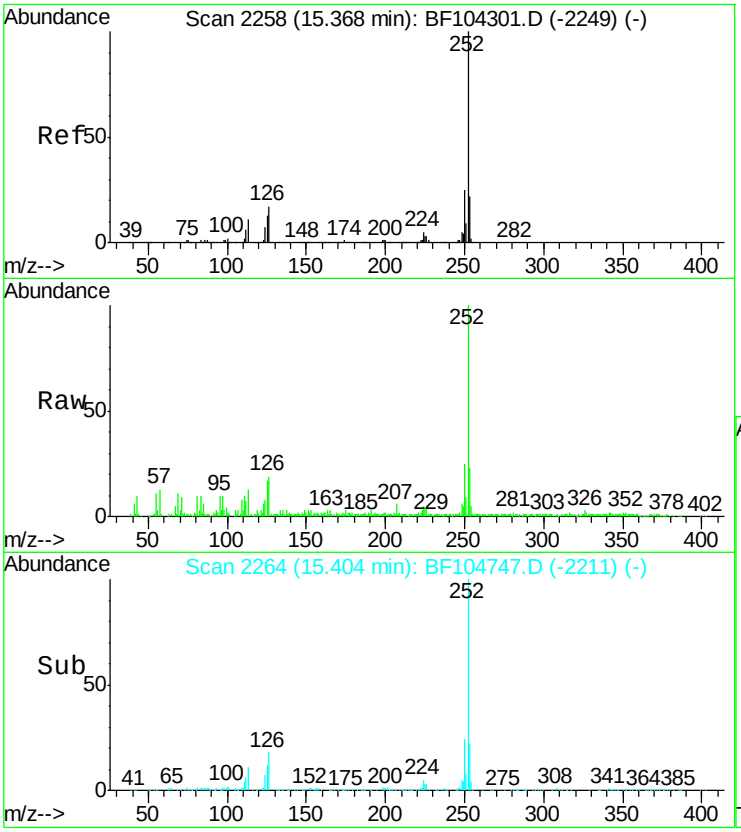


#88
Benzo(k)fluoranthene
Concen: 26.454 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:252 Resp: 192122

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.0	10.2	15.2



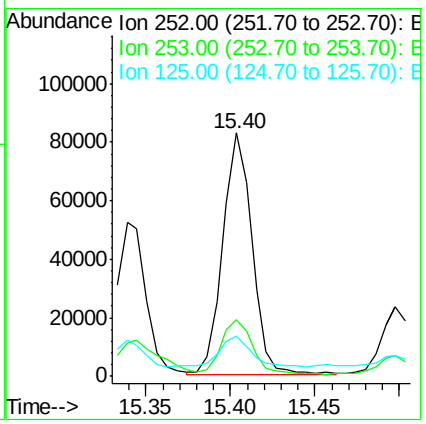


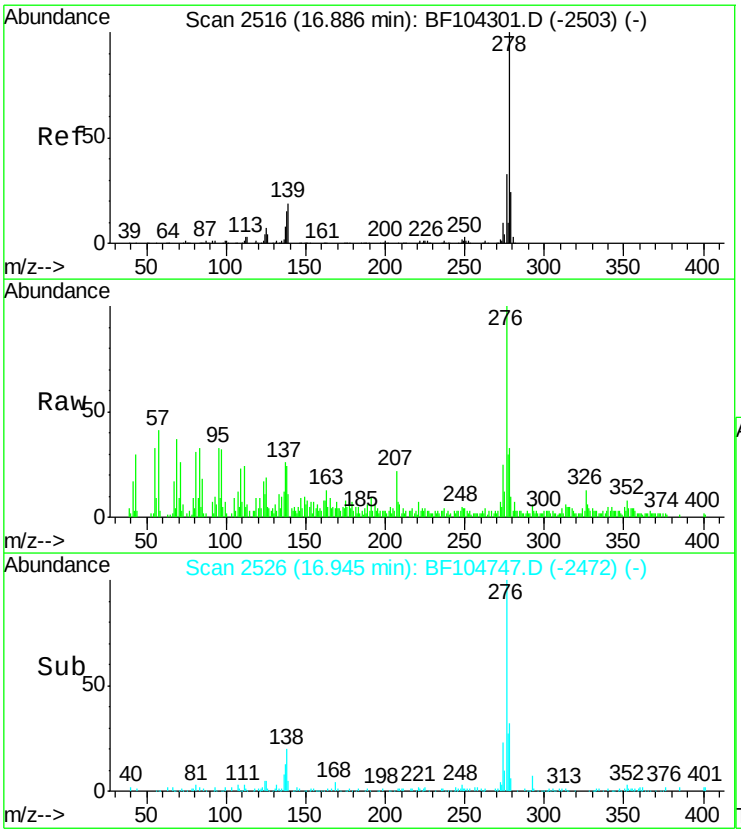
#89
Benzo(a)pyrene
Concen: 14.422 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 99267

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	16.5	9.8	14.6#

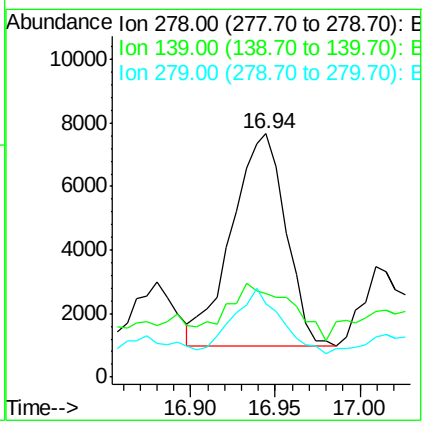


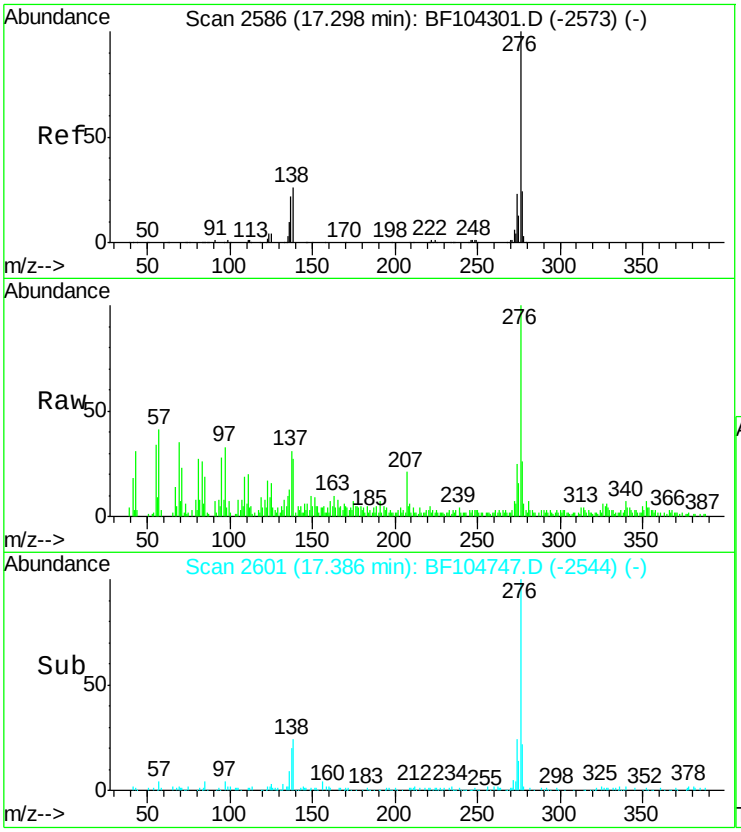


#90
Dibenzo(a,h)anthracene
Concen: 2.639 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.02 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Tgt Ion:278 Resp: 14920

Ion	Ratio	Lower	Upper
278	100		
139	34.3	15.9	23.9#
279	30.2	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 10.470 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.04 min
Lab File: BF104747.D
Acq: 24 Apr 2018 10:02

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 57342

Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	26.8	21.8	32.8