Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104489.D
Acq On : 13 Apr 2018 20:01
Operator : JU/SJ
Sample : J2348-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 13 22:55:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 17:38:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120155	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	488819	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	211291	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	327089	20.00	ng		0.00
75) Chrysene-d12	13.99	240	217235	20.00	ng		0.00
86) Perylene-d12	15.46	264	195328	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	90316	11.49	ng		-0.01
7) Phenol-d6	6.43	99	110300	11.42	ng		-0.02
23) Nitrobenzene-d5	7.37	82	60381	8.07	ng		-0.01
41) 2,4,6-Tribromophenol	10.64	330	21193	9.67	ng		0.00
44) 2-Fluorobiphenyl	9.17	172	124962	9.34	ng		0.00
78) Terphenyl-d14	12.93	244	88173	9.25	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.57	77	1969	Below Cal			84
25) Isophorone	7.37	82	60381	3.814	ng	#	64
31) Naphthalene	8.12	128	66017	2.712	ng		97
37) 2-Methylnaphthalene	8.80	142	32888	2.089	ng		98
50) 2,6-Dinitrotoluene	9.85	165	28505	9.246	ng	#	26
51) Acenaphthene	9.88	154	63814	4.755	ng		98
54) Dibenzofuran	10.05	168	117157	6.264	ng		97
55) 4-Nitrophenol	10.05	139	44590	15.727	ng	#	10
57) Fluorene	10.40	166	99011	7.273	ng		99
70) Phenanthrene	11.37	178	1006415	55.251	ng		99
71) Anthracene	11.42	178	396593	21.419	ng		99
72) Carbazole	11.57	167	39219	2.168	ng		98
74) Fluoranthene	12.56	202	1338151	70.312	ng		99
76) Benzidine	12.68	184	409	Below Cal		#	66
77) Pyrene	12.79	202	1138468	70.703	ng		100
80) Benzo(a)anthracene	13.98	228	643362	49.574	ng		99
82) Chrysene	14.02	228	504134	37.819	ng		97
85) Indeno(1,2,3-cd)pyrene	16.75	276	41908	3.701	ng		92
87) Benzo(b)fluoranthene	15.04	252	808822	65.563	ng		96
88) Benzo(k)fluoranthene	15.04	252	808822	69.446	ng		99
89) Benzo(a)pyrene	15.40	252	439073	39.778	ng		96
90) Dibenzo(a,h)anthracene	17.09	278	55800	6.155	ng		96
91) Benzo(g,h,i)perylene	17.36	276	189498	21.575	ng		95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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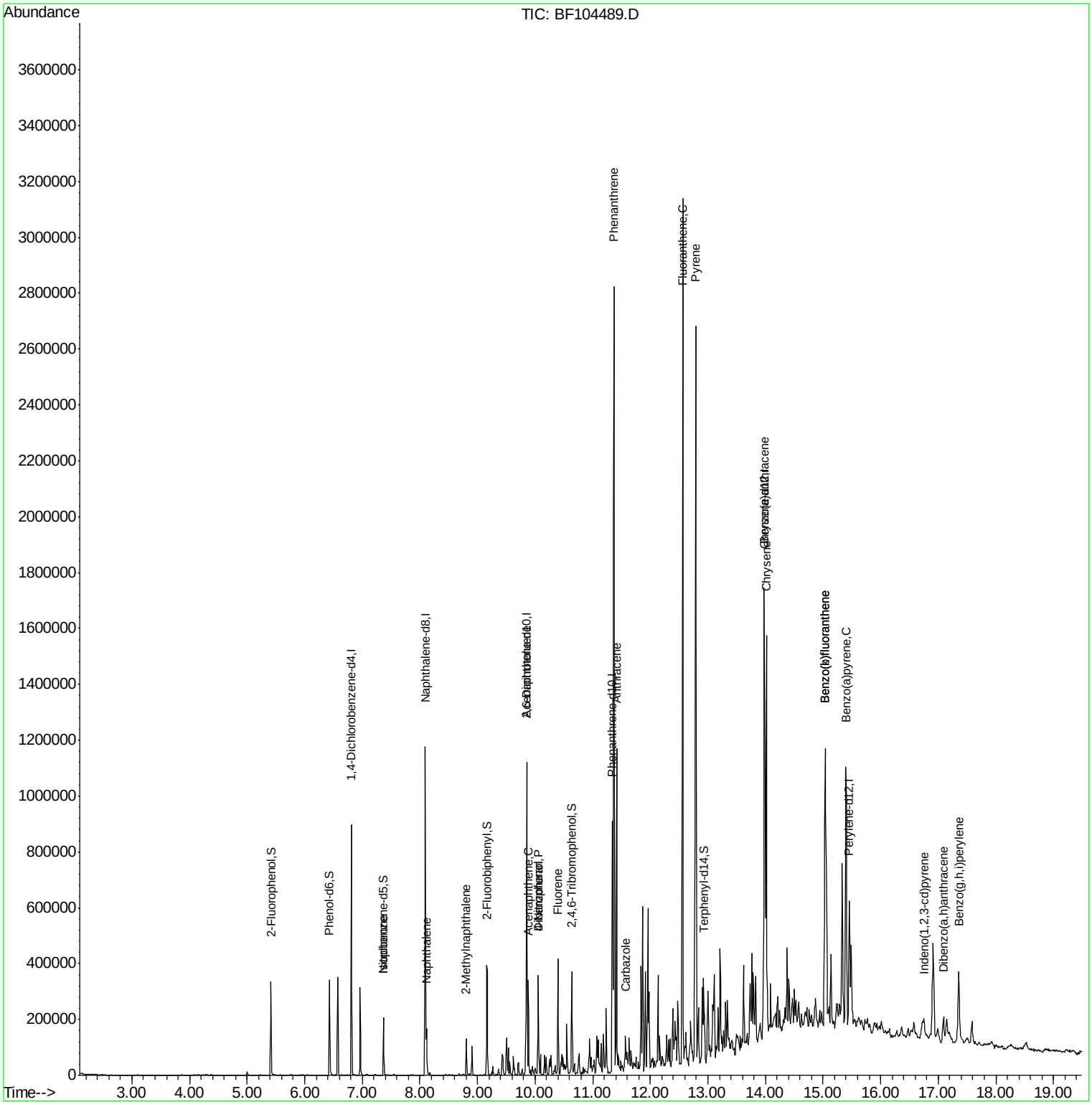
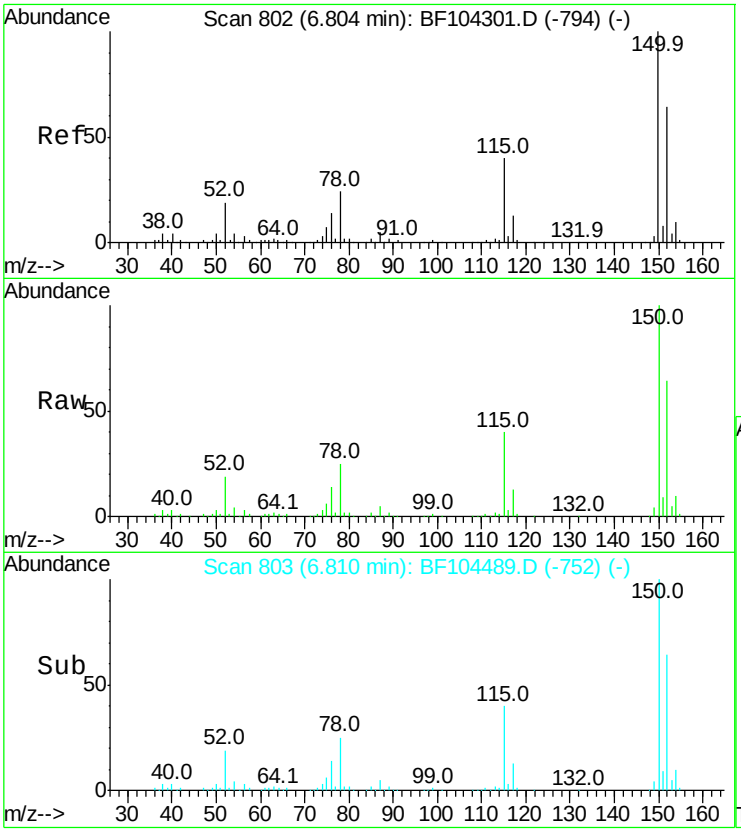


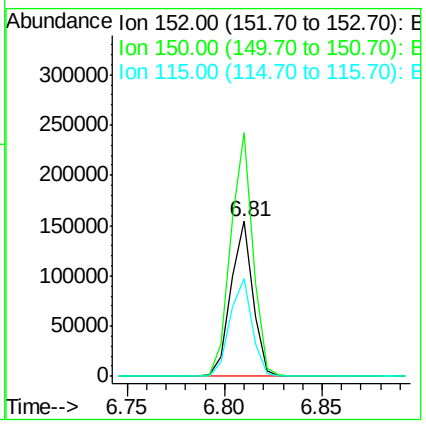


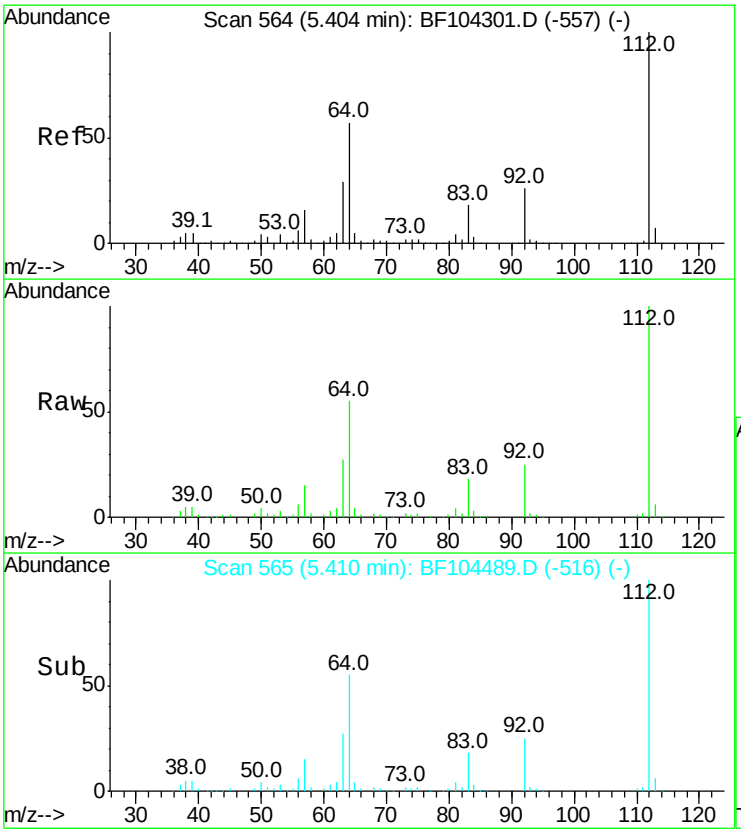
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 120155

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	62.7	50.1	75.1

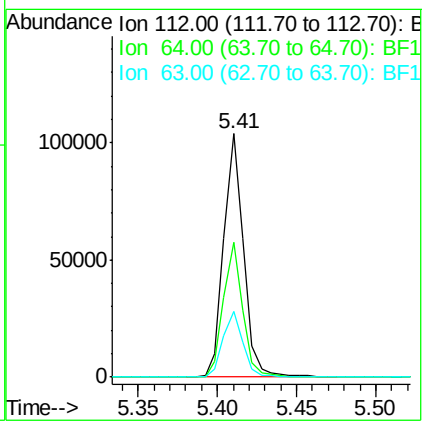


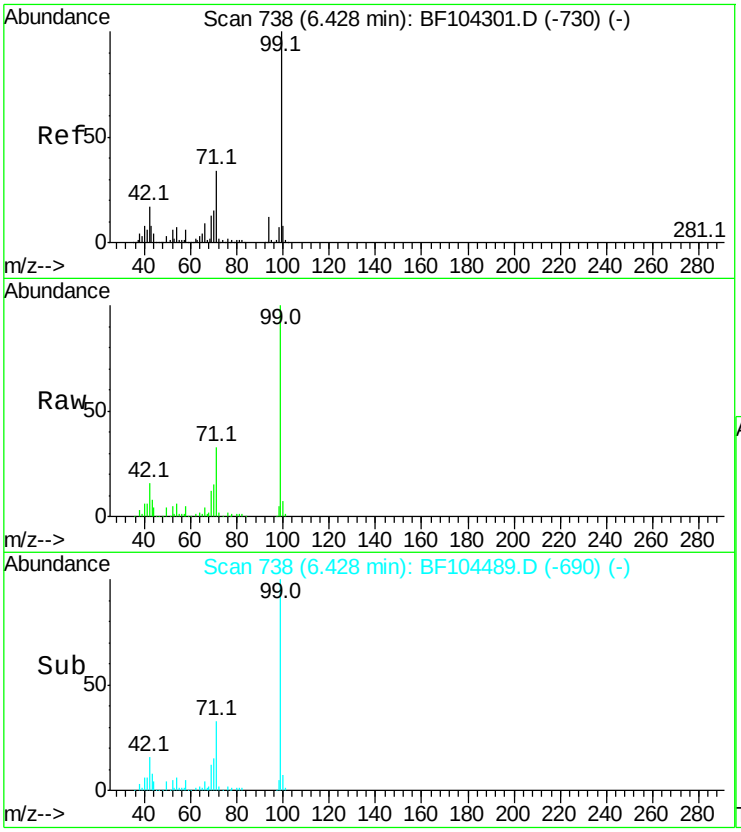


#5
2-Fluorophenol
Concen: 11.493 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:112 Resp: 90316

Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.2	23.7	35.5



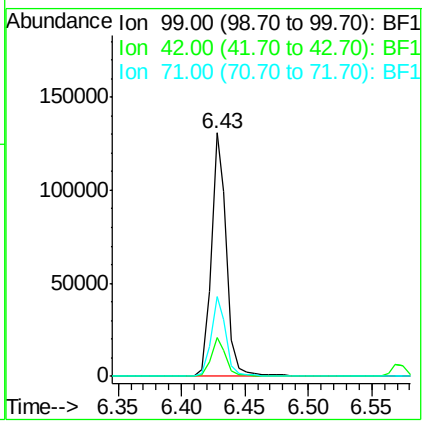


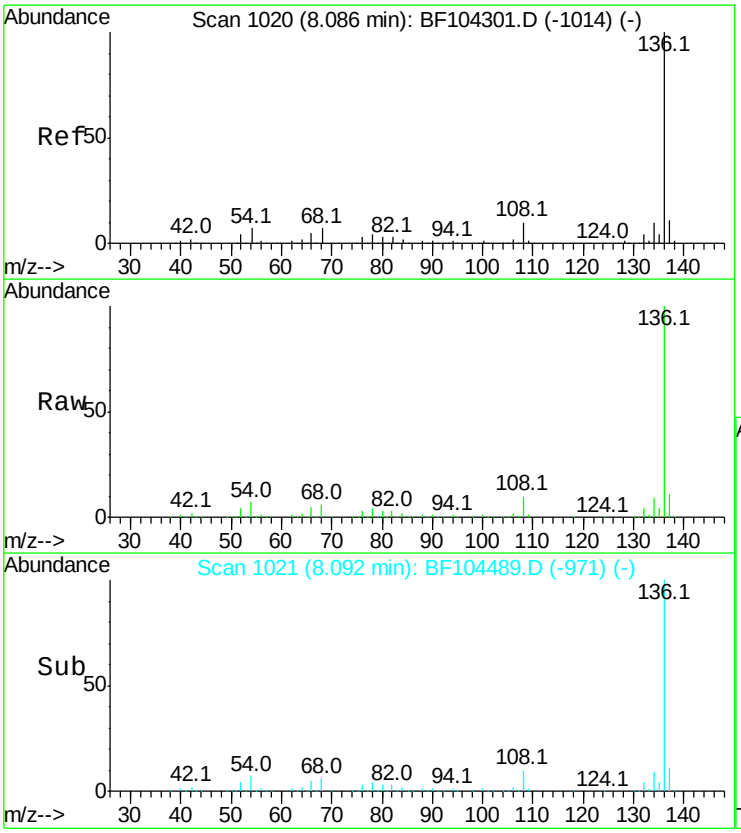
#7
Phenol-d6
Concen: 11.424 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 110300

Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	32.7	25.4	38.0

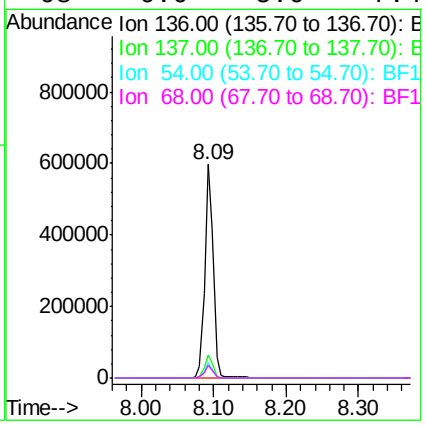


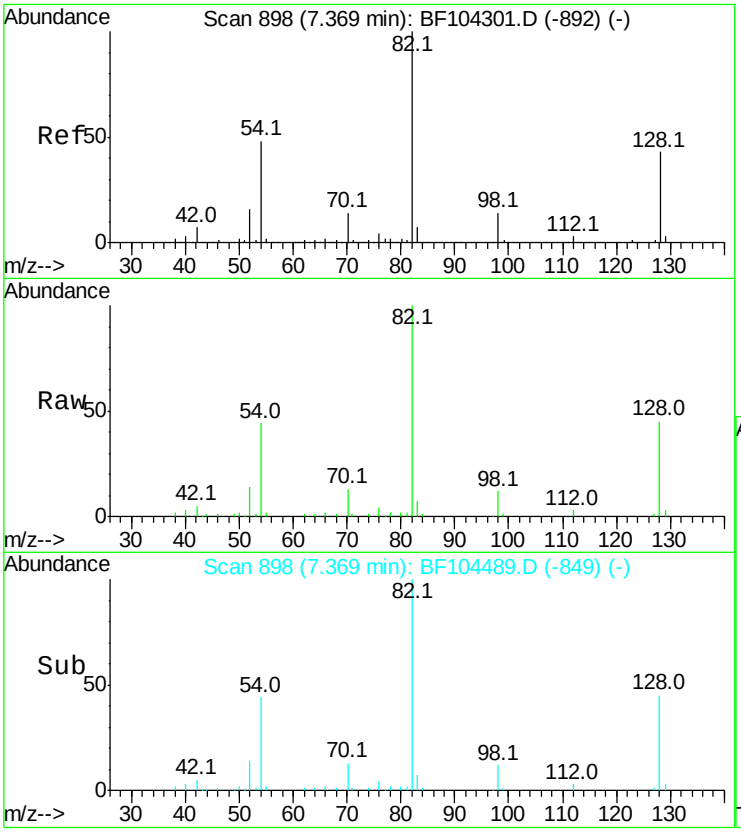


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:136 Resp: 488819

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	6.0	5.0	7.4



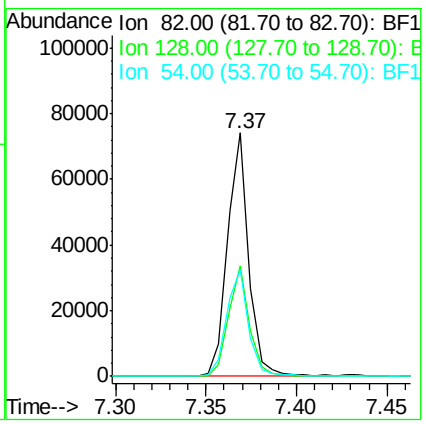


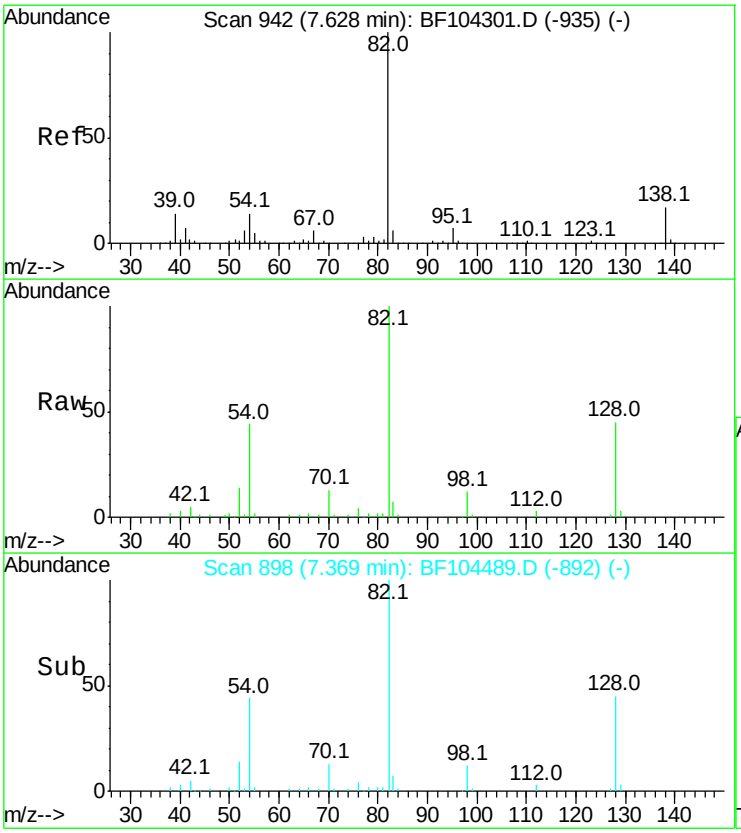
#23
Nitrobenzene-d5
Concen: 8.066 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 60381

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	43.9	41.4	62.2

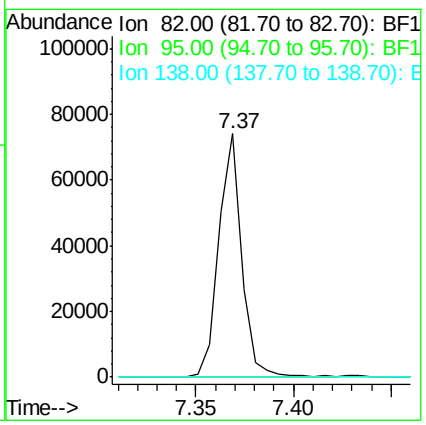


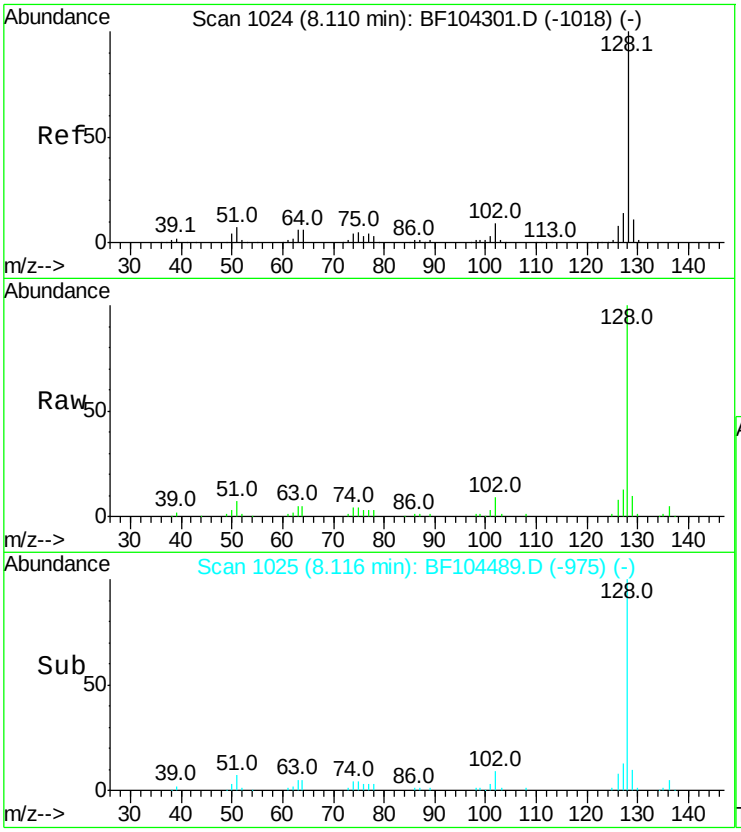


#25
Isophorone
Concen: 3.814 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion: 82 Resp: 60381

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



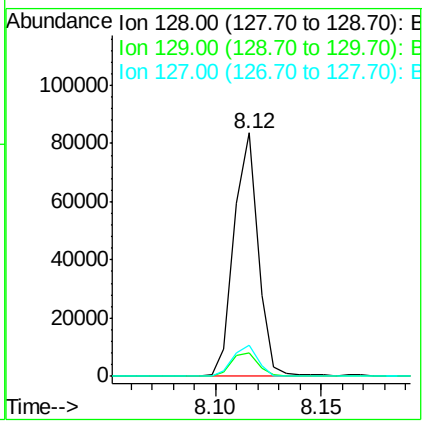


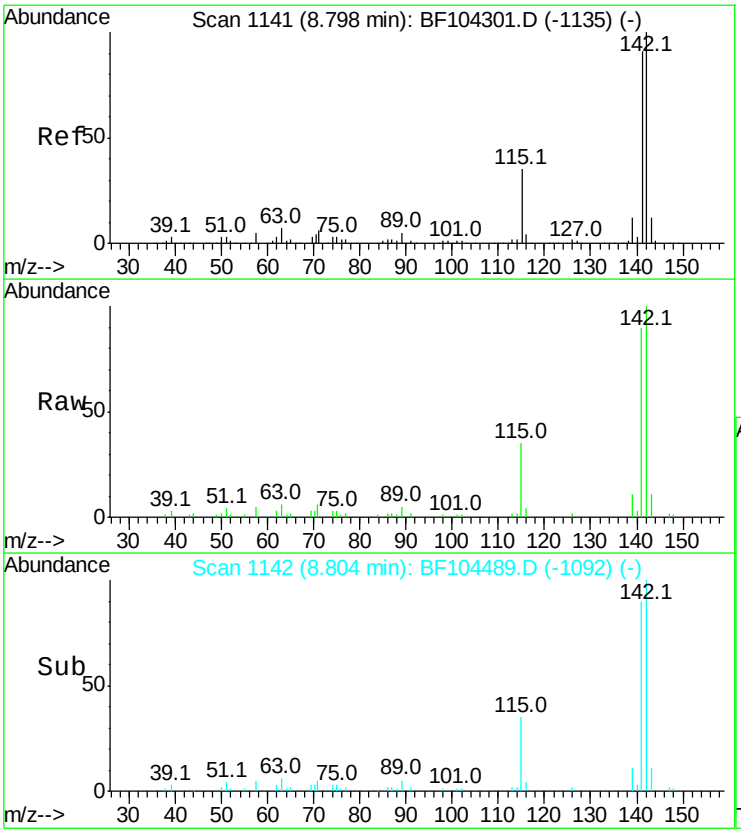
#31
Naphthalene
Concen: 2.712 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 66017

Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	12.8	10.9	16.3

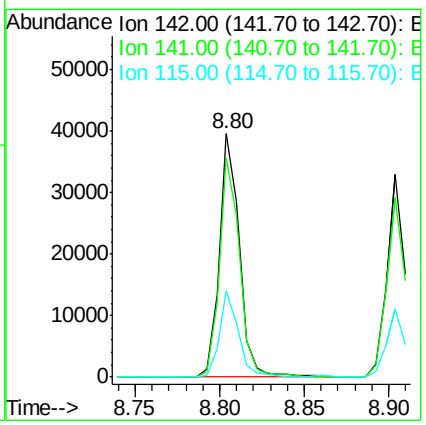


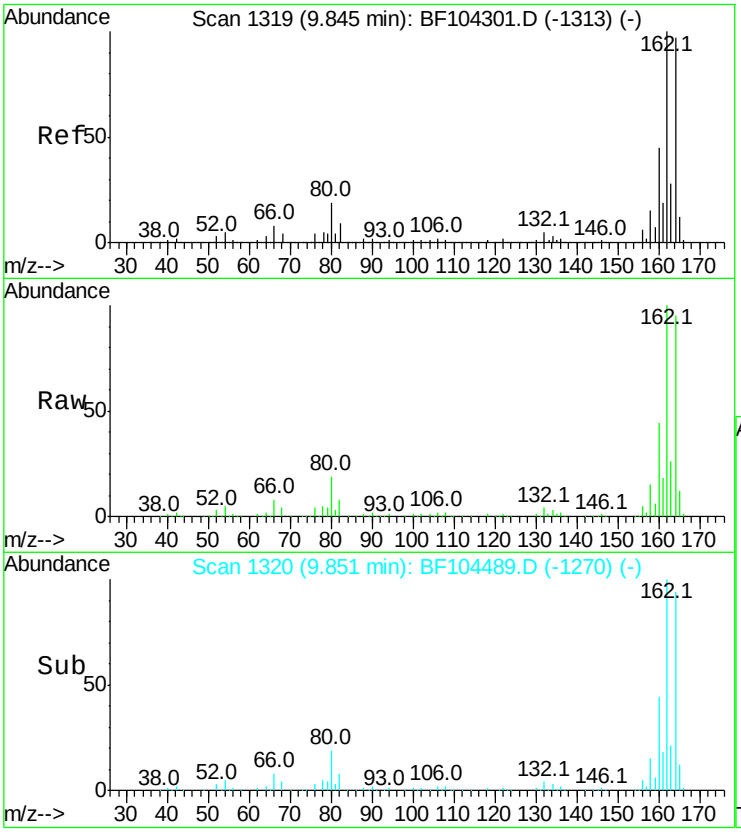


#37
2-Methylnaphthalene
Concen: 2.089 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:142 Resp: 32888

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	35.4	26.1	39.1

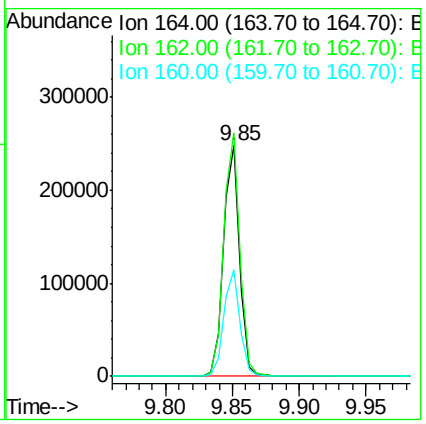




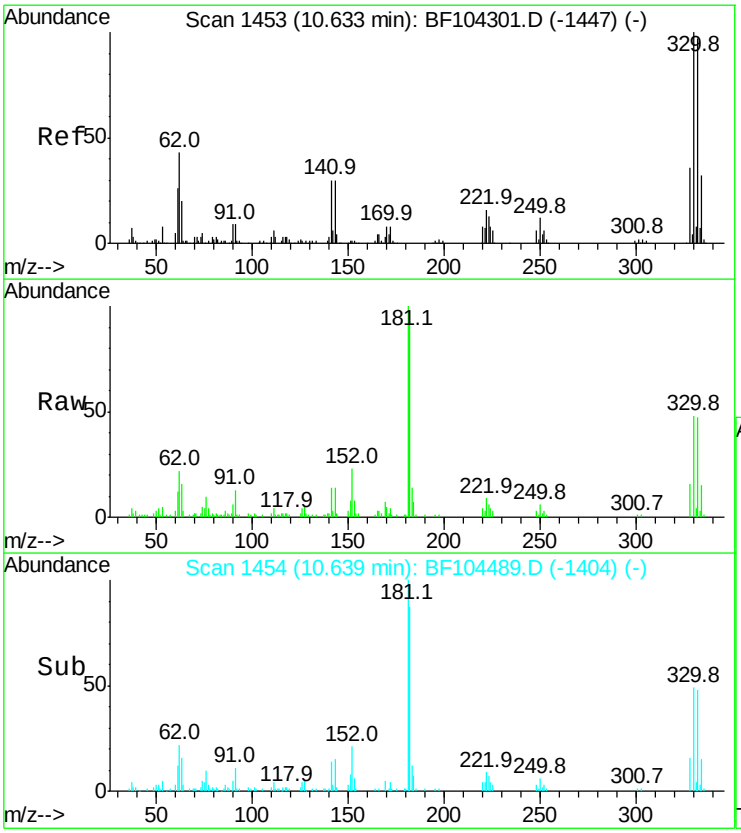
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:164 Resp: 211291

Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	46.1	38.3	57.5



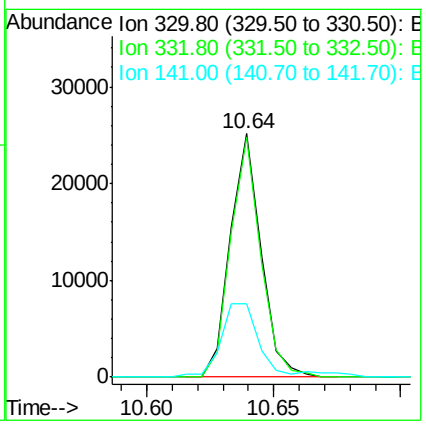
Instrument :
BNA_F
ClientSampleId :

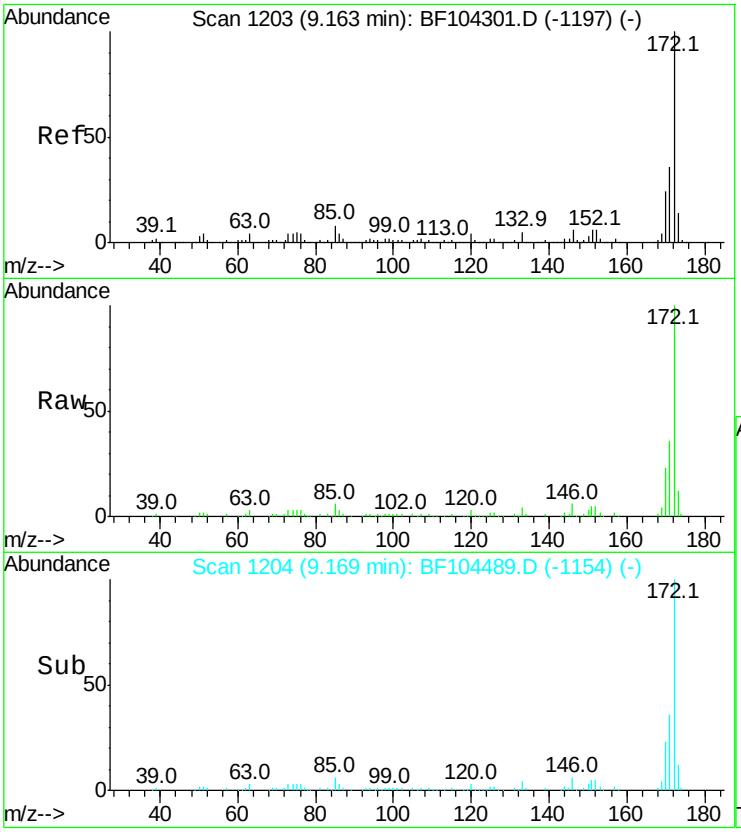


#41
2,4,6-Tribromophenol
Concen: 9.669 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:330 Resp: 21193

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	39.4	29.9	44.9



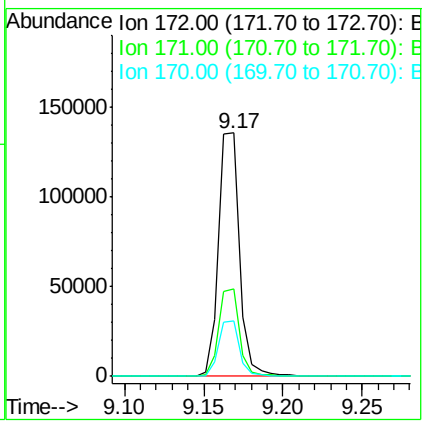


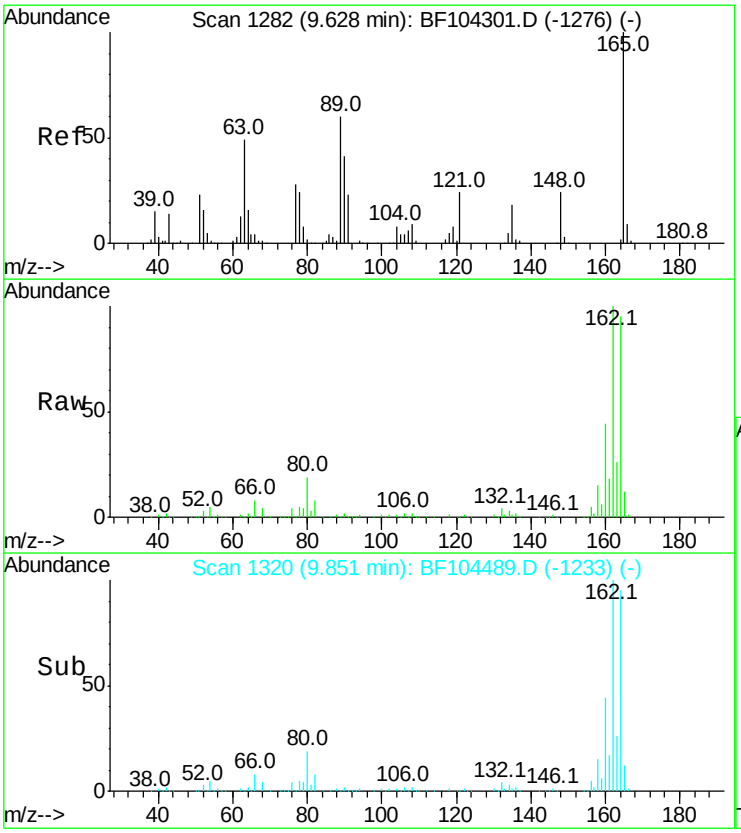
#44
2-Fluorobiphenyl
Concen: 9.343 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 124962

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.0	19.6	29.4

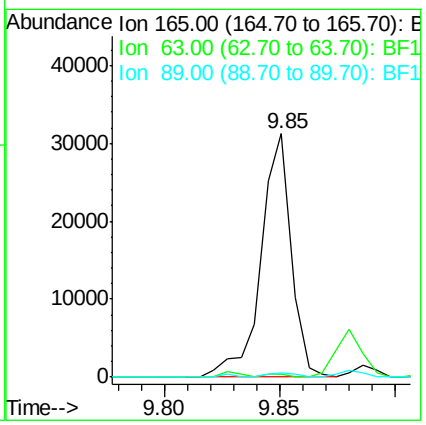


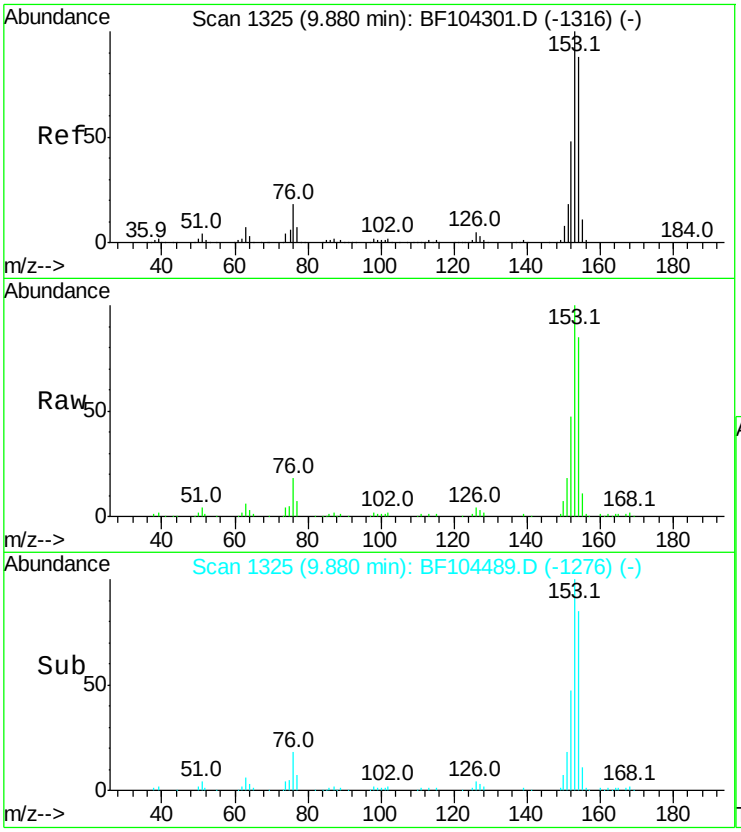


#50
2,6-Dinitrotoluene
Concen: 9.246 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:165 Resp: 28505

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.8	44.0	66.0#



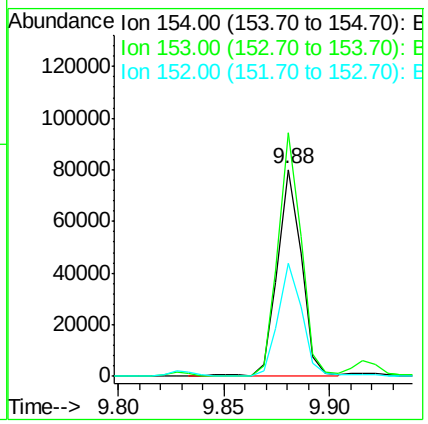


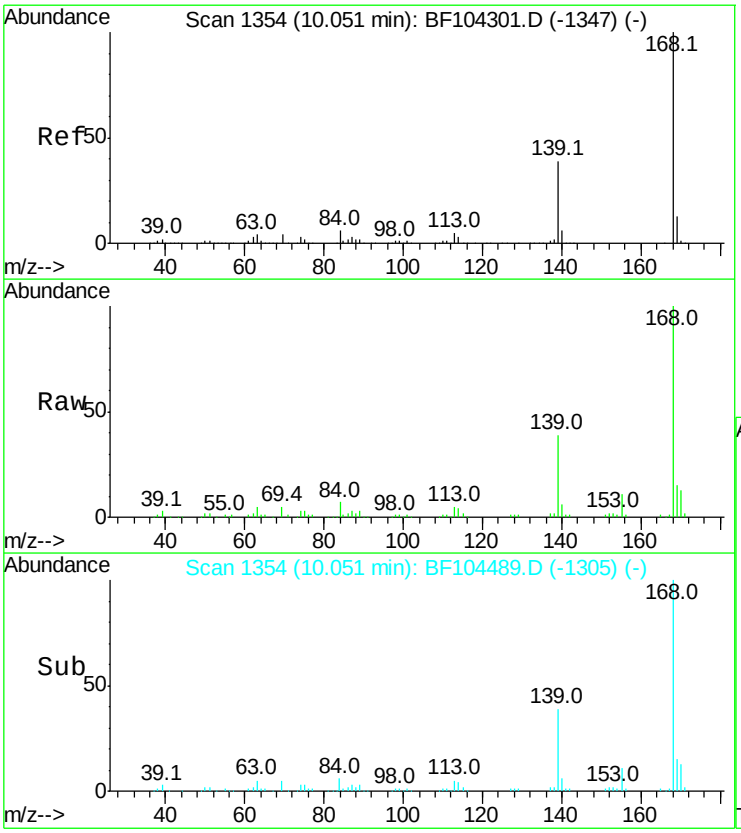
#51
Acenaphthene
Concen: 4.755 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 63814

Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.2	136.8
152	54.8	43.8	65.8

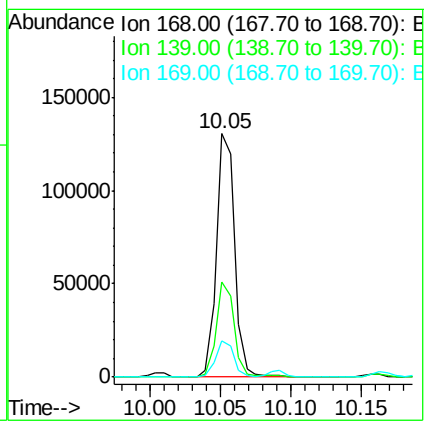


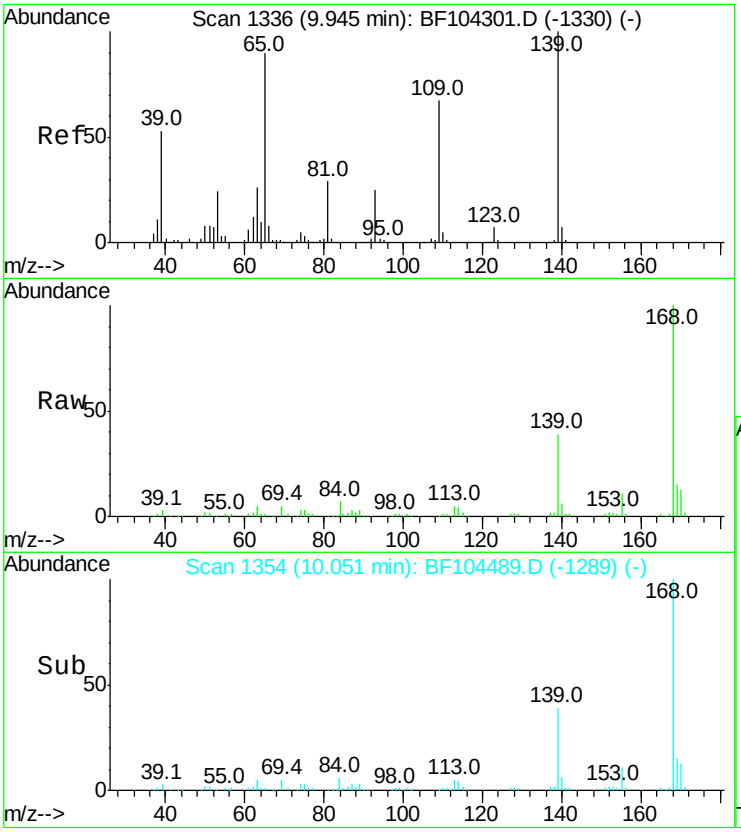


#54
Dibenzofuran
Concen: 6.264 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:168 Resp: 117157

Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.1	45.1
169	14.7	10.9	16.3



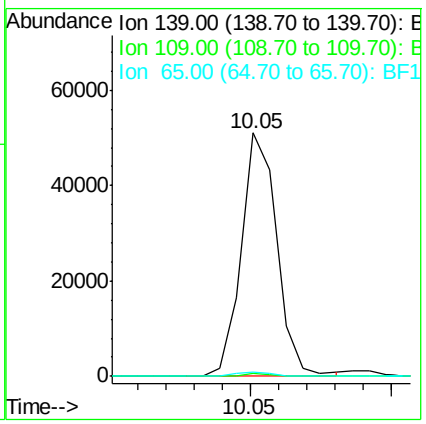


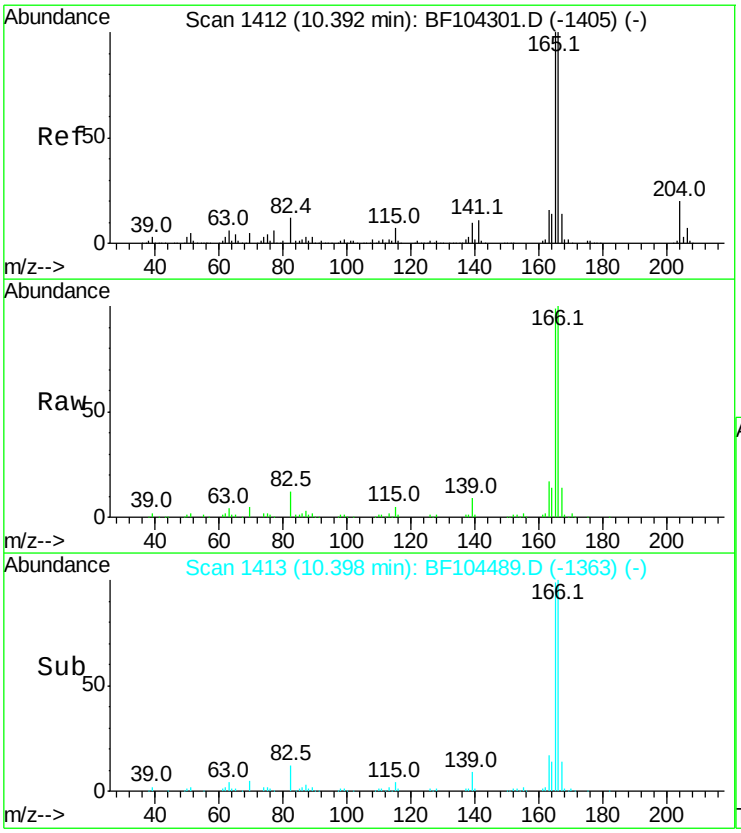
#55
4-Nitrophenol
Concen: 15.727 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.08 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 44590

Ion	Ratio	Lower	Upper
139	100		
109	1.0	48.4	88.4#
65	1.7	72.6	112.6#

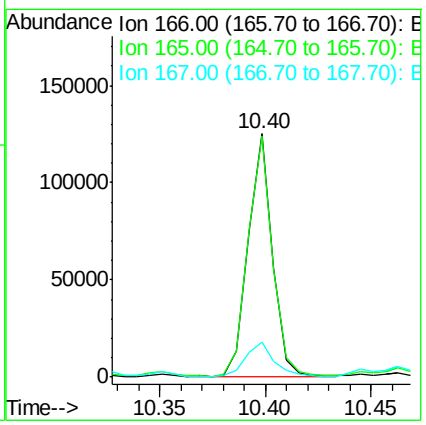


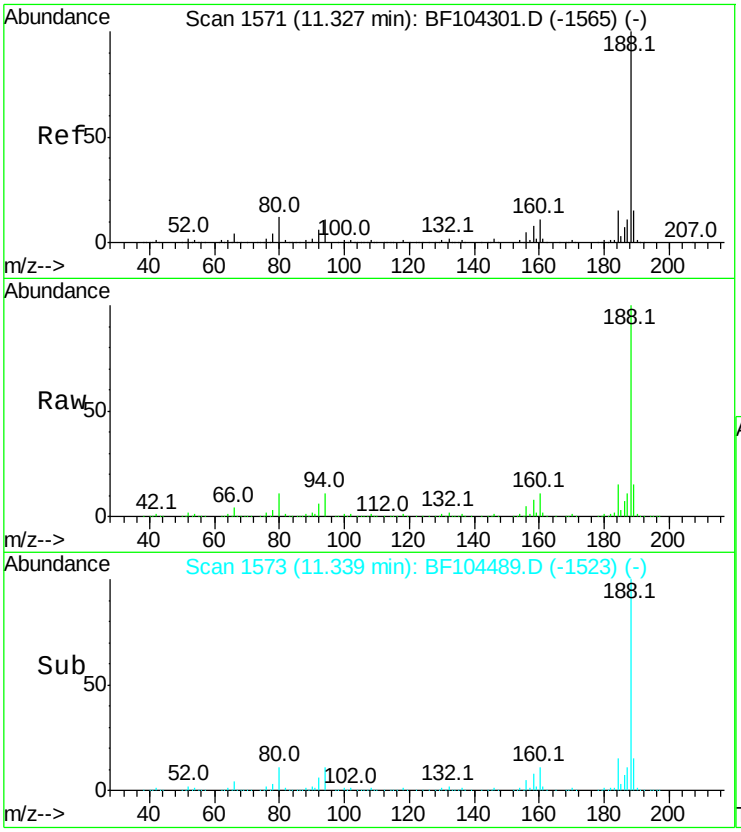


#57
Fluorene
Concen: 7.273 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:166 Resp: 99011

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	14.2	10.6	16.0



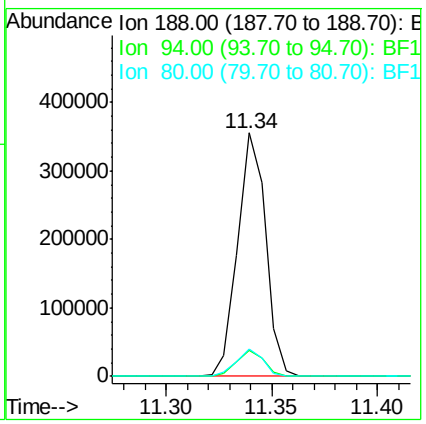


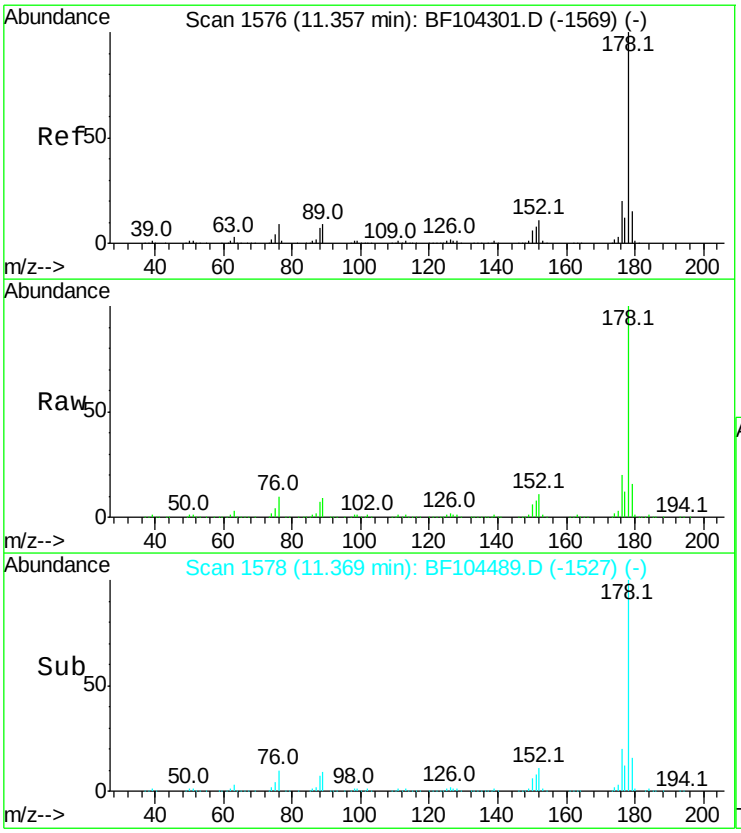
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 327089

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8

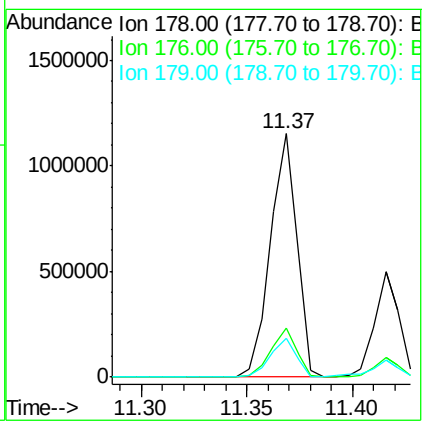


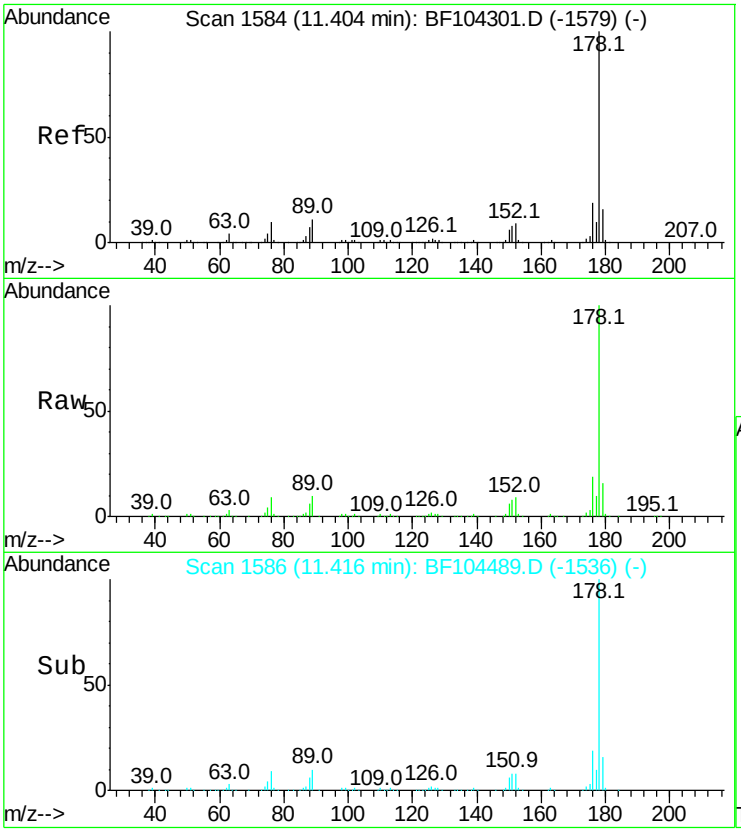


#70
Phenanthrene
Concen: 55.251 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:178 Resp: 1006415

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6



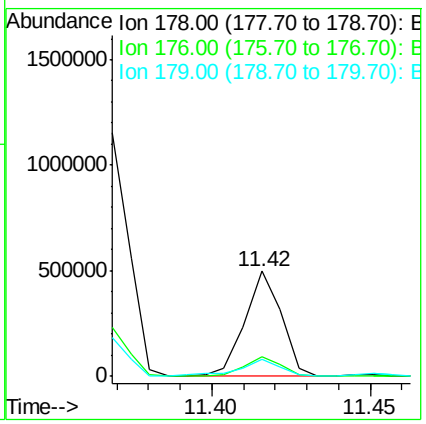


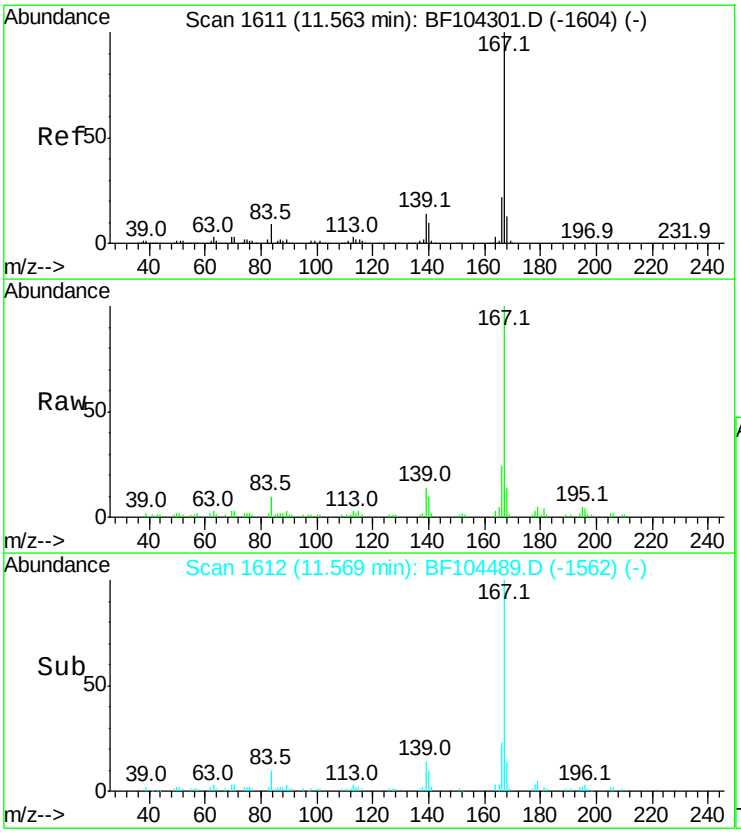
#71
Anthracene
Concen: 21.419 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 396593

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.6	19.0

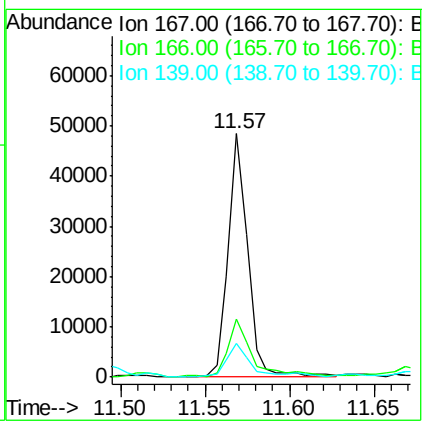


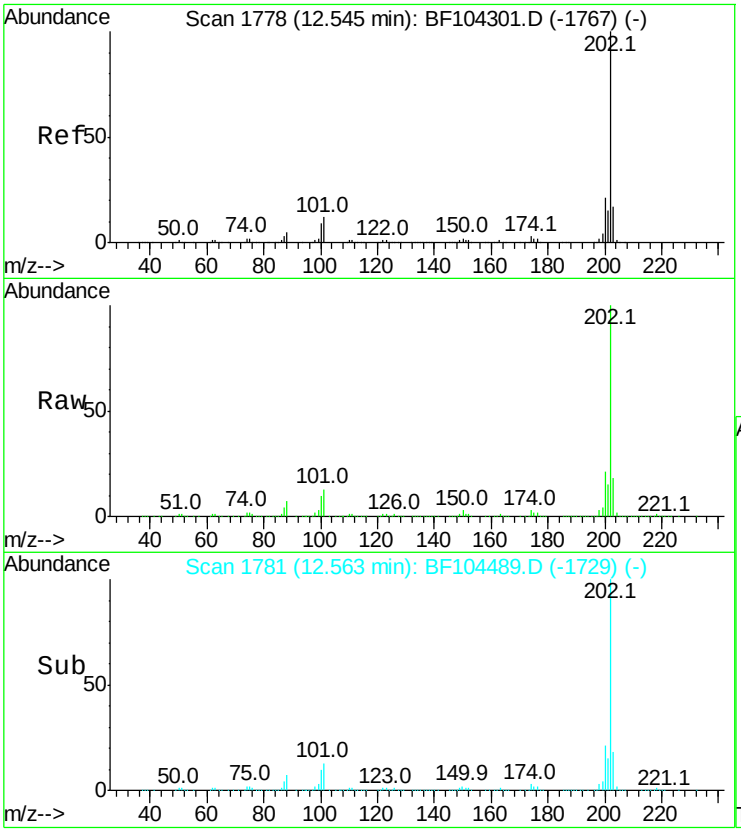


#72
Carbazole
Concen: 2.168 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:167 Resp: 39219

Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.6	26.4
139	13.7	10.9	16.3



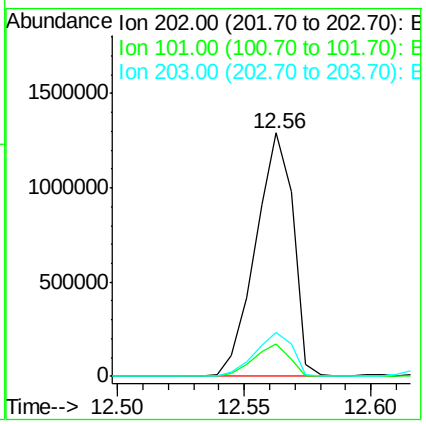


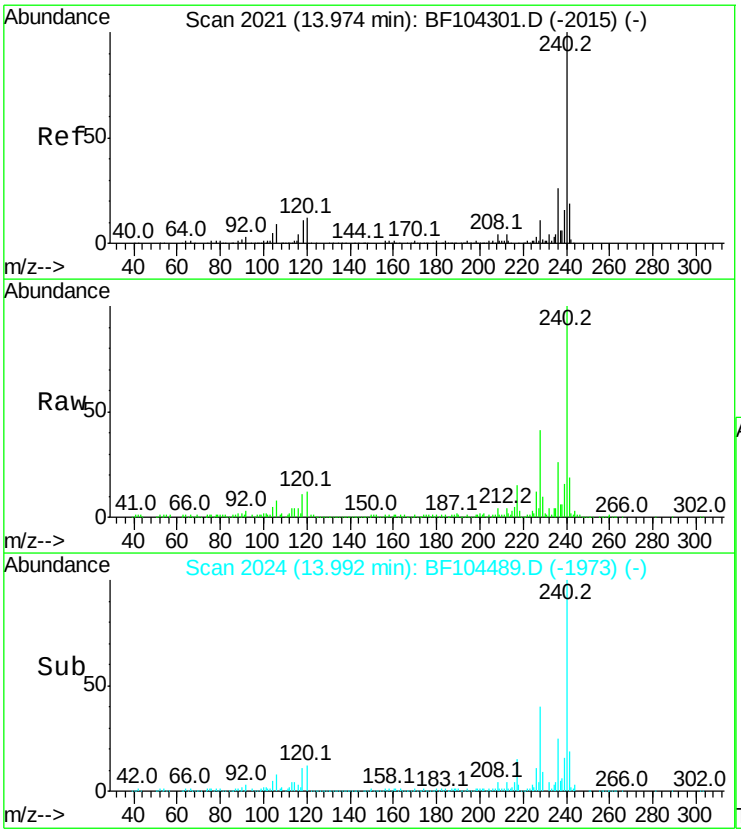
#74
Fluoranthene
Concen: 70.312 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1338151

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.0	0.0	38.1

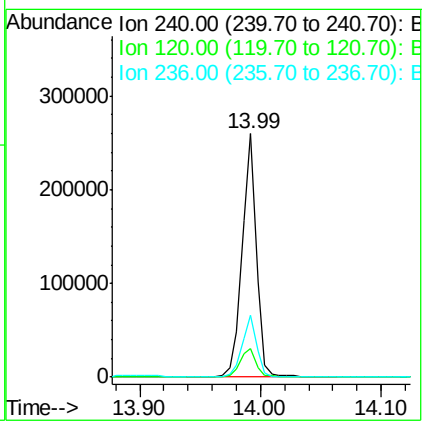


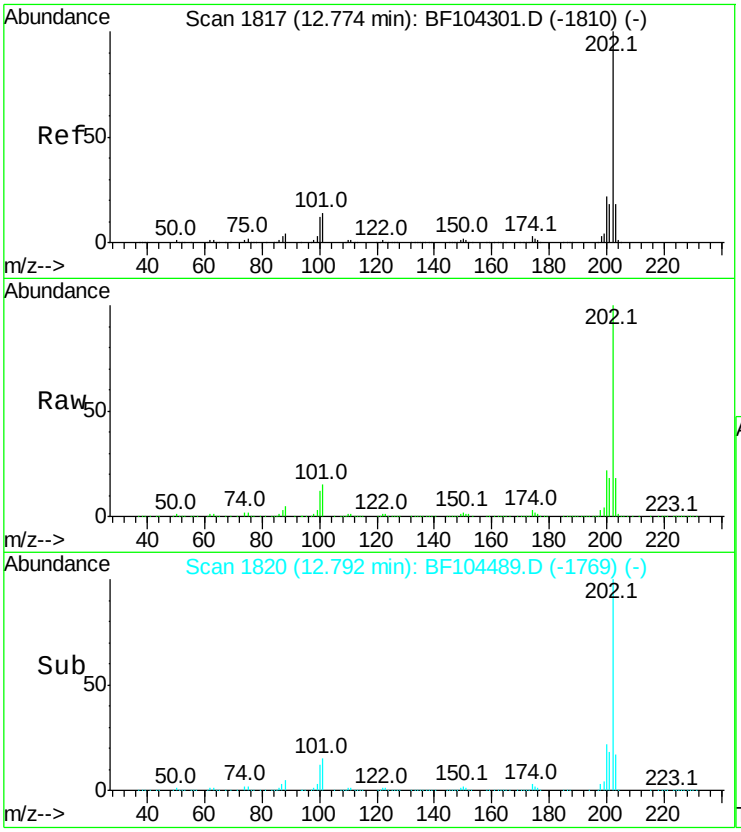


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:240 Resp: 217235

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.5	20.7	31.1



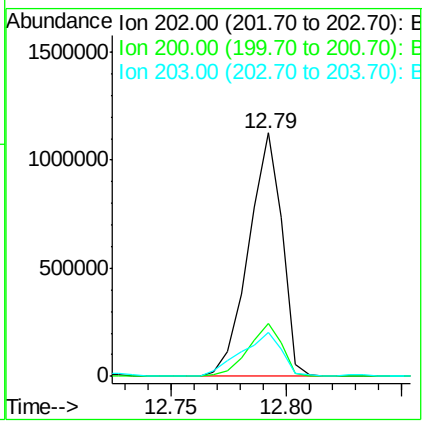


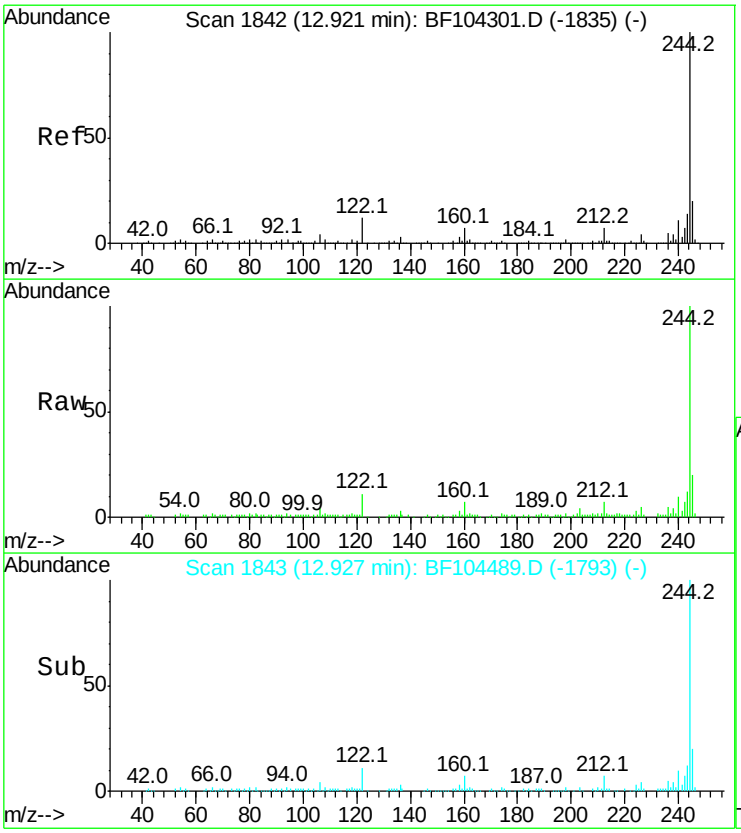
#77
Pyrene
Concen: 70.703 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1138468

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

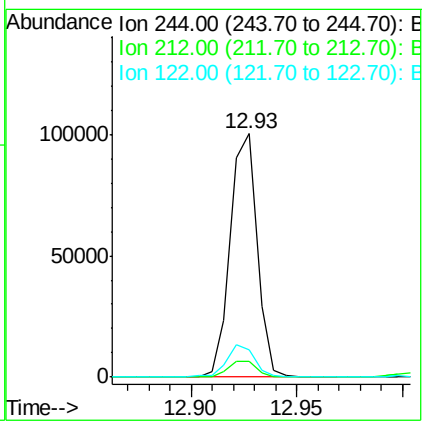


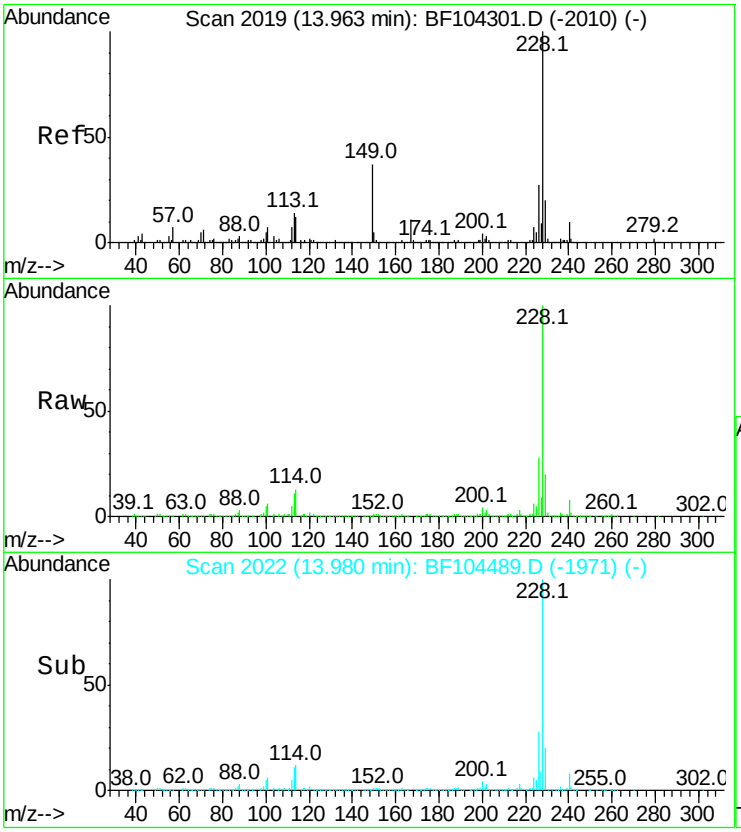


#78
Terphenyl-d14
Concen: 9.254 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:244 Resp: 88173

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.0	11.0	16.4



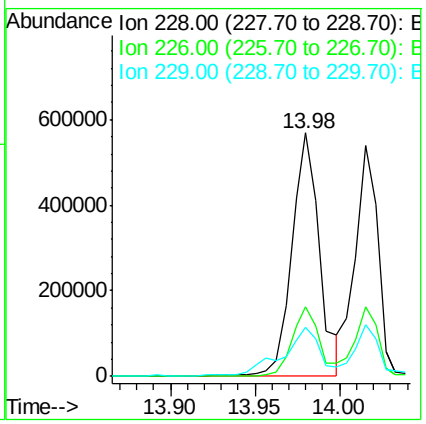


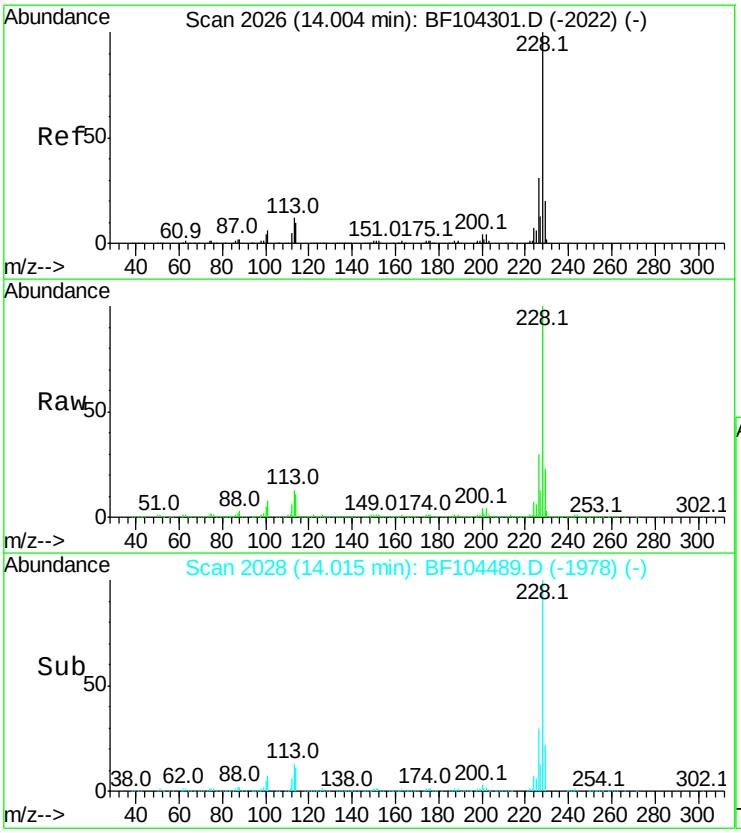
#80
Benzo(a)anthracene
Concen: 49.574 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 643362

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.2	15.8	23.6

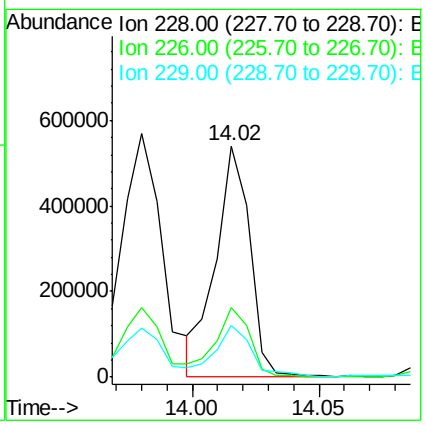


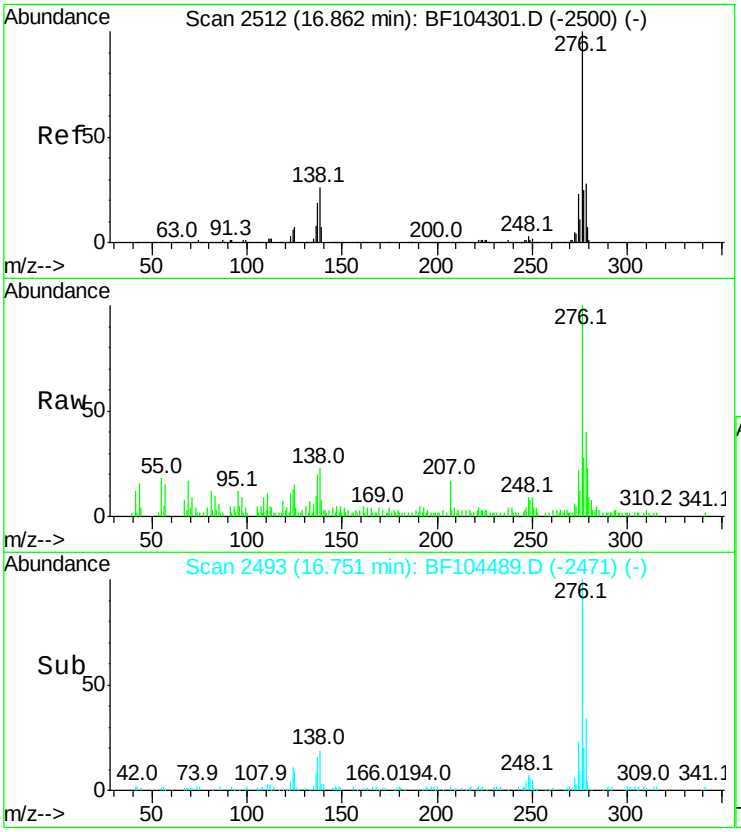


#82
Chrysene
Concen: 37.819 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:228 Resp: 504134

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.6	16.2	24.4



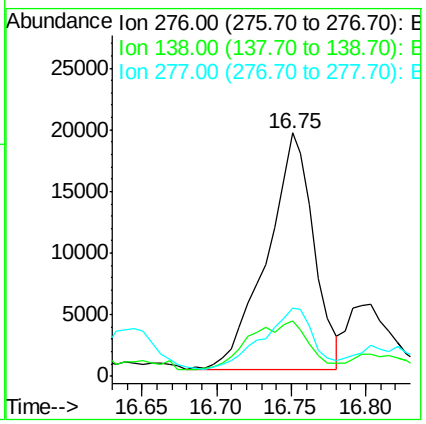


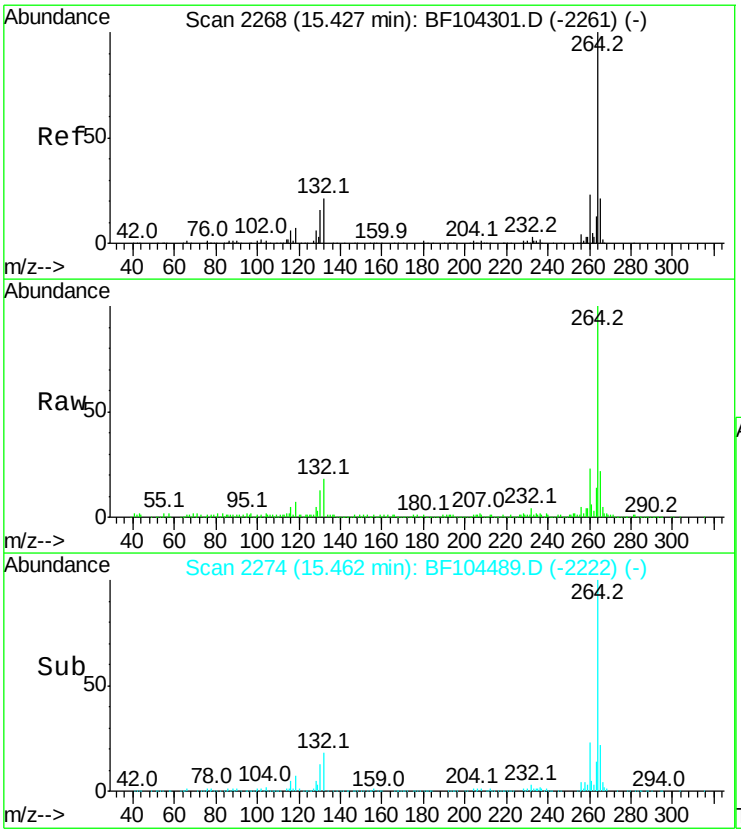
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.701 ng
RT: 16.75 min Scan# 2493
Delta R.T. -0.17 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 41908

Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	27.5	20.1	30.1

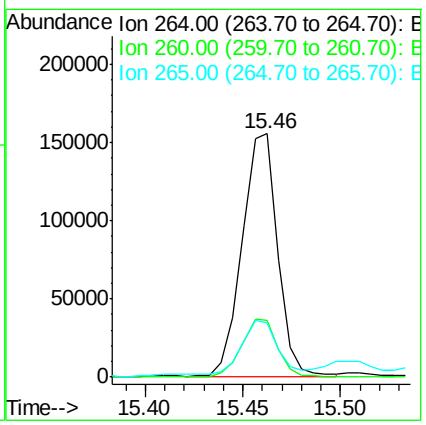


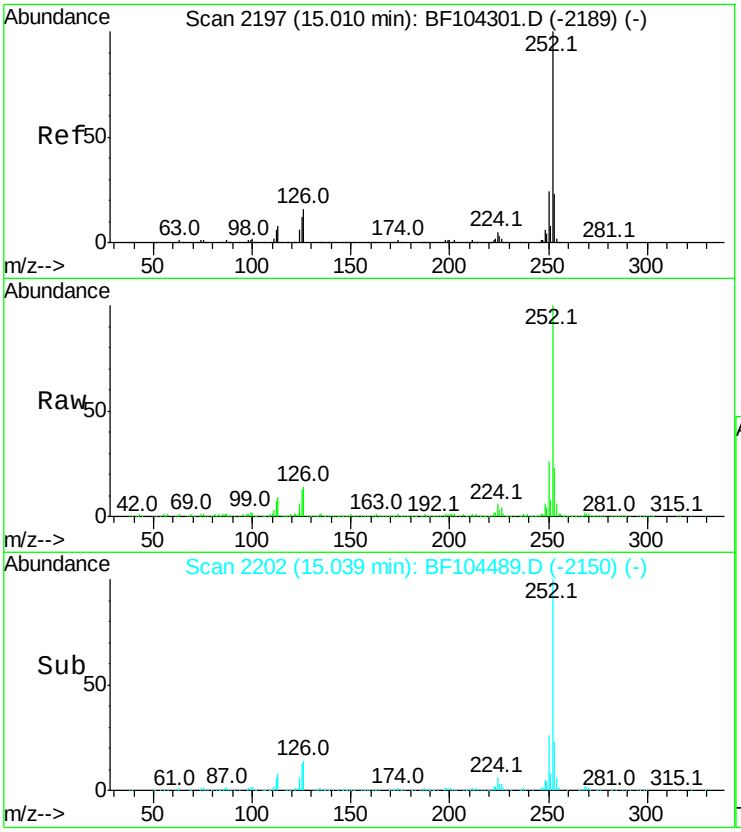


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:264 Resp: 195328

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3



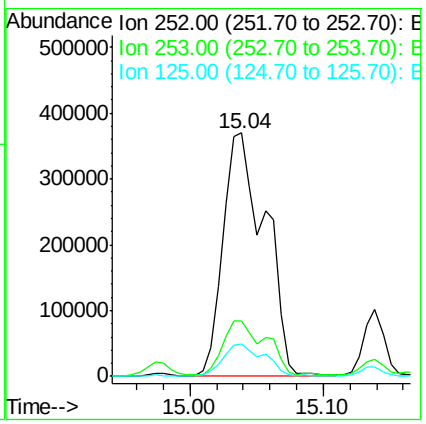


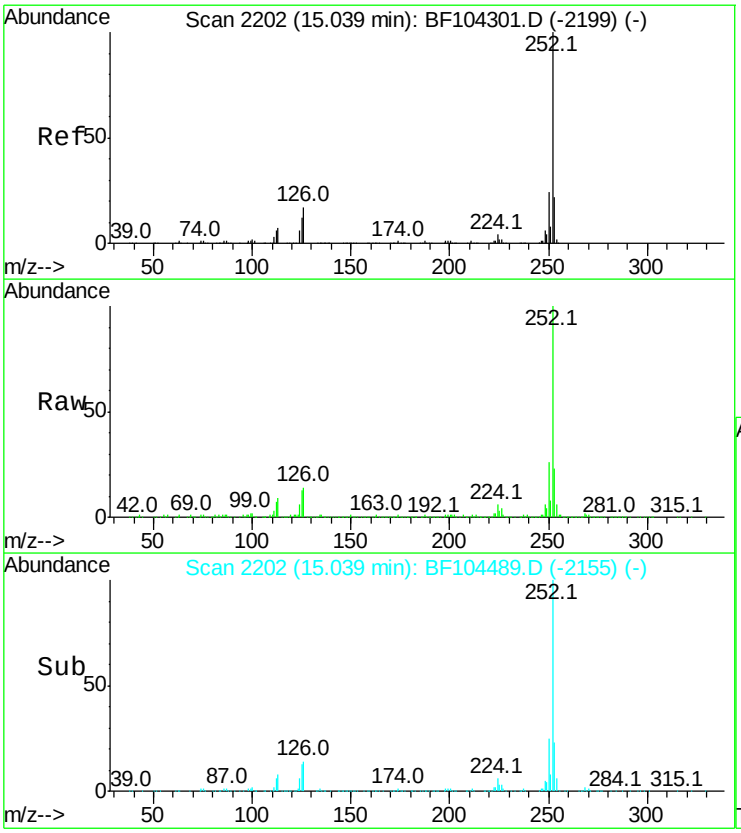
#87
Benzo(b)fluoranthene
Concen: 65.563 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 808822

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.1	9.0	13.6

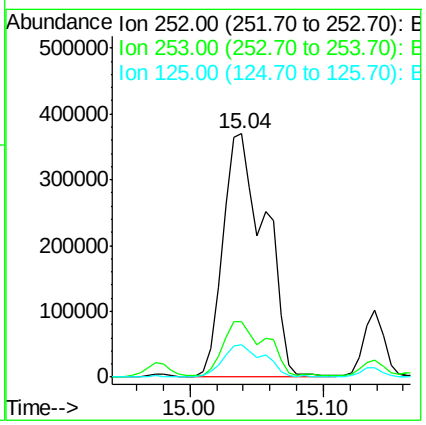


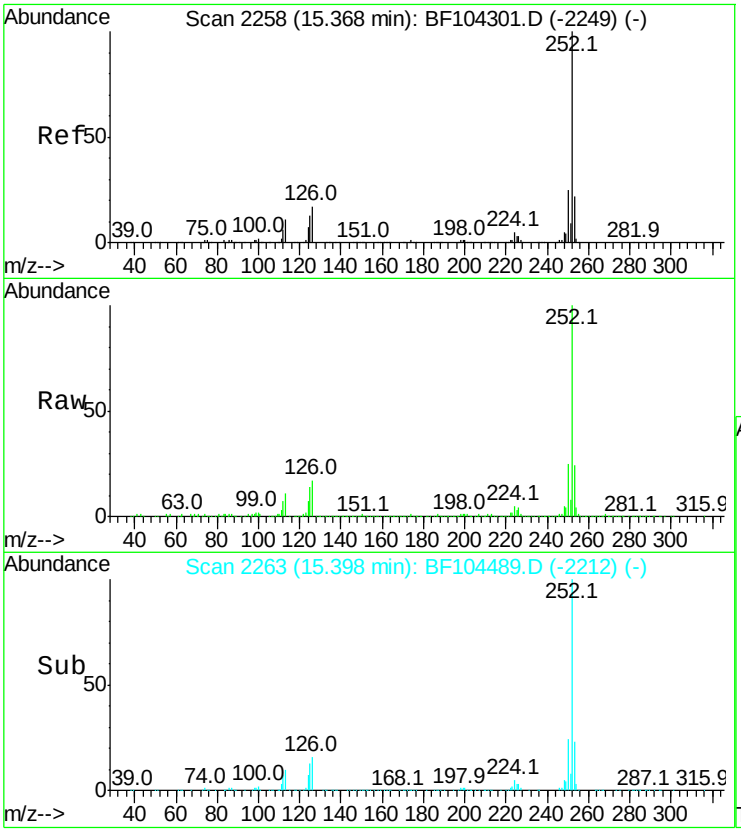


#88
Benzo(k)fluoranthene
Concen: 69.446 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:252 Resp: 808822

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.1	10.2	15.2



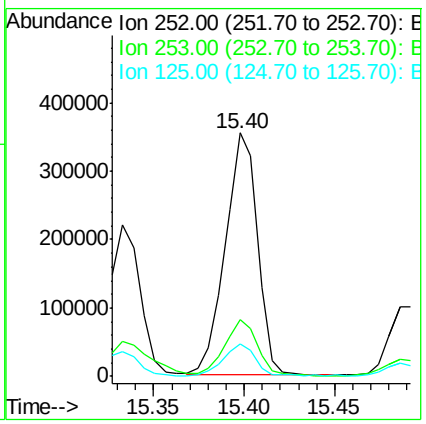


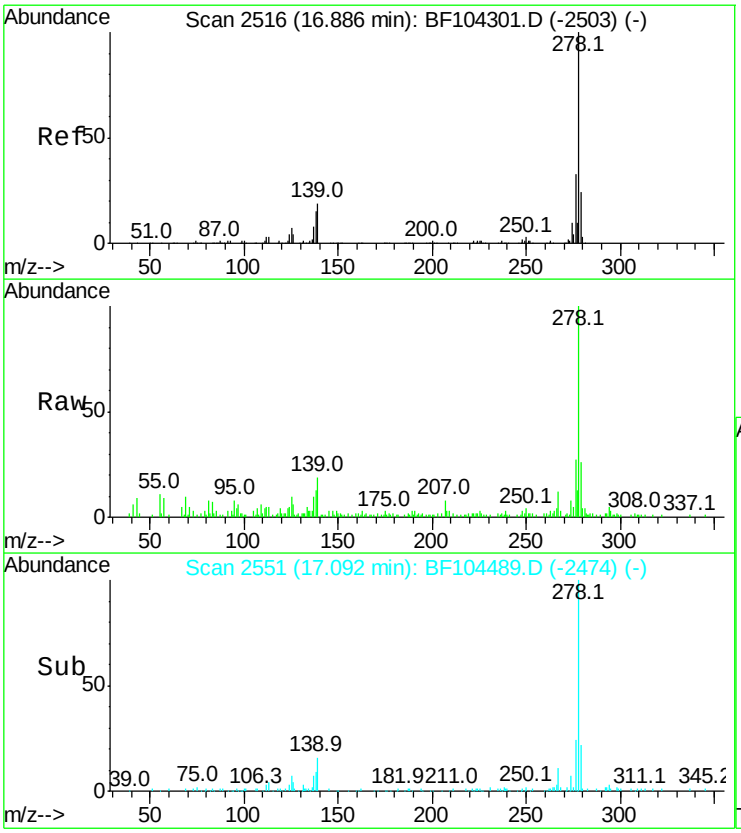
#89
Benzo(a)pyrene
Concen: 39.778 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 439073

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	9.8	14.6

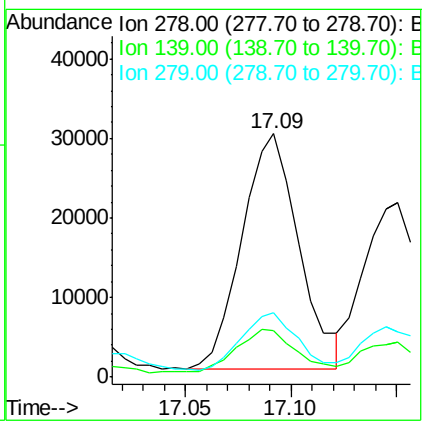


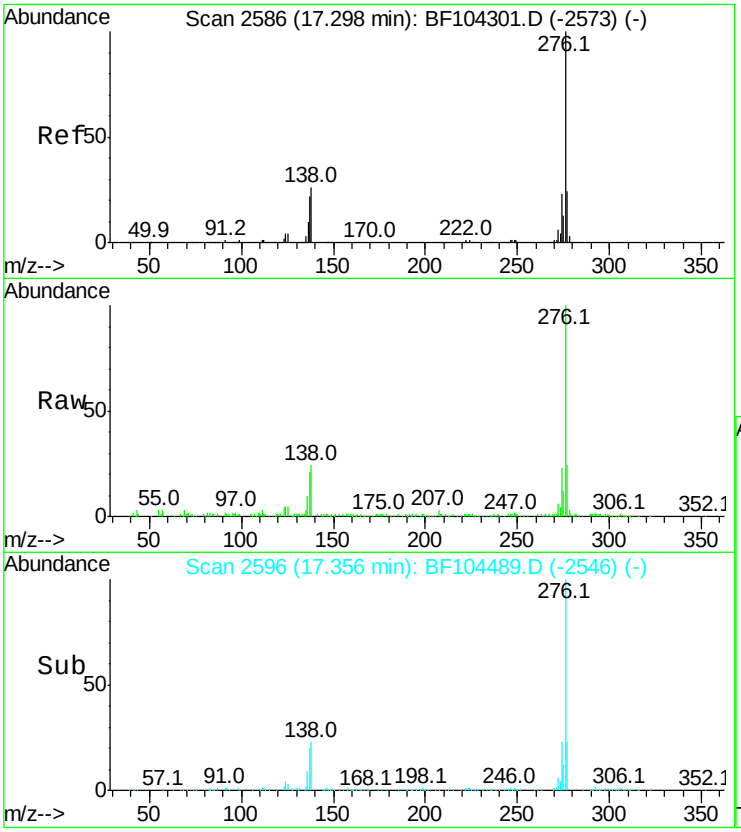


#90
Dibenzo(a,h)anthracene
Concen: 6.155 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.15 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:278 Resp: 55800

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.9	23.9
279	26.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 21.575 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 189498

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	23.8	21.8	32.8