Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
Data File : BF101840.D
Acq On : 29 Dec 2017 20:14
Operator : SJ/JU
Sample : I6970-08DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Dec 30 03:08:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 29 13:21:45 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	118310	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	422752	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	154284	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	272129	20.00	ng		0.00
75) Chrysene-d12	13.97	240	222616	20.00	ng		0.00
86) Perylene-d12	15.45	264	176343	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	172038	21.66	ng		0.02
7) Phenol-d6	6.45	99	242139	24.50	ng		0.02
23) Nitrobenzene-d5	7.37	82	116490	15.34	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	24787	16.67	ng		0.01
44) 2-Fluorobiphenyl	9.14	172	238074	23.94	ng		0.00
78) Terphenyl-d14	12.90	244	208349	22.56	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	14164	2.182	ng	#	79
25) Isophorone	7.37	82	116490	7.646	ng	#	64
50) 2,6-Dinitrotoluene	9.82	165	20212	8.013	ng	#	25
51) Acenaphthene	9.86	154	31799	3.201	ng		99
55) 4-Nitrophenol	10.04	139	8412	6.135	ng	#	11
57) Fluorene	10.38	166	47235	4.423	ng		98
70) Phenanthrene	11.35	178	514824	34.019	ng		99
71) Anthracene	11.40	178	180058	11.648	ng		99
74) Fluoranthene	12.54	202	546332	34.393	ng		98
77) Pyrene	12.77	202	598202	35.805	ng		99
80) Benzo(a)anthracene	13.96	228	218349	14.854	ng		98
82) Chrysene	14.00	228	185860	13.391	ng		98
85) Indeno(1,2,3-cd)pyrene	16.94	276	53291	4.312	ng	#	90
87) Benzo(b)fluoranthene	15.02	252	185741	17.281	ng	#	92
88) Benzo(k)fluoranthene	15.02	252	185741	17.773	ng	#	95
89) Benzo(a)pyrene	15.39	252	120910	12.203	ng	#	95
91) Benzo(g,h,i)perylene	17.40	276	54014	6.412	ng	#	94

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

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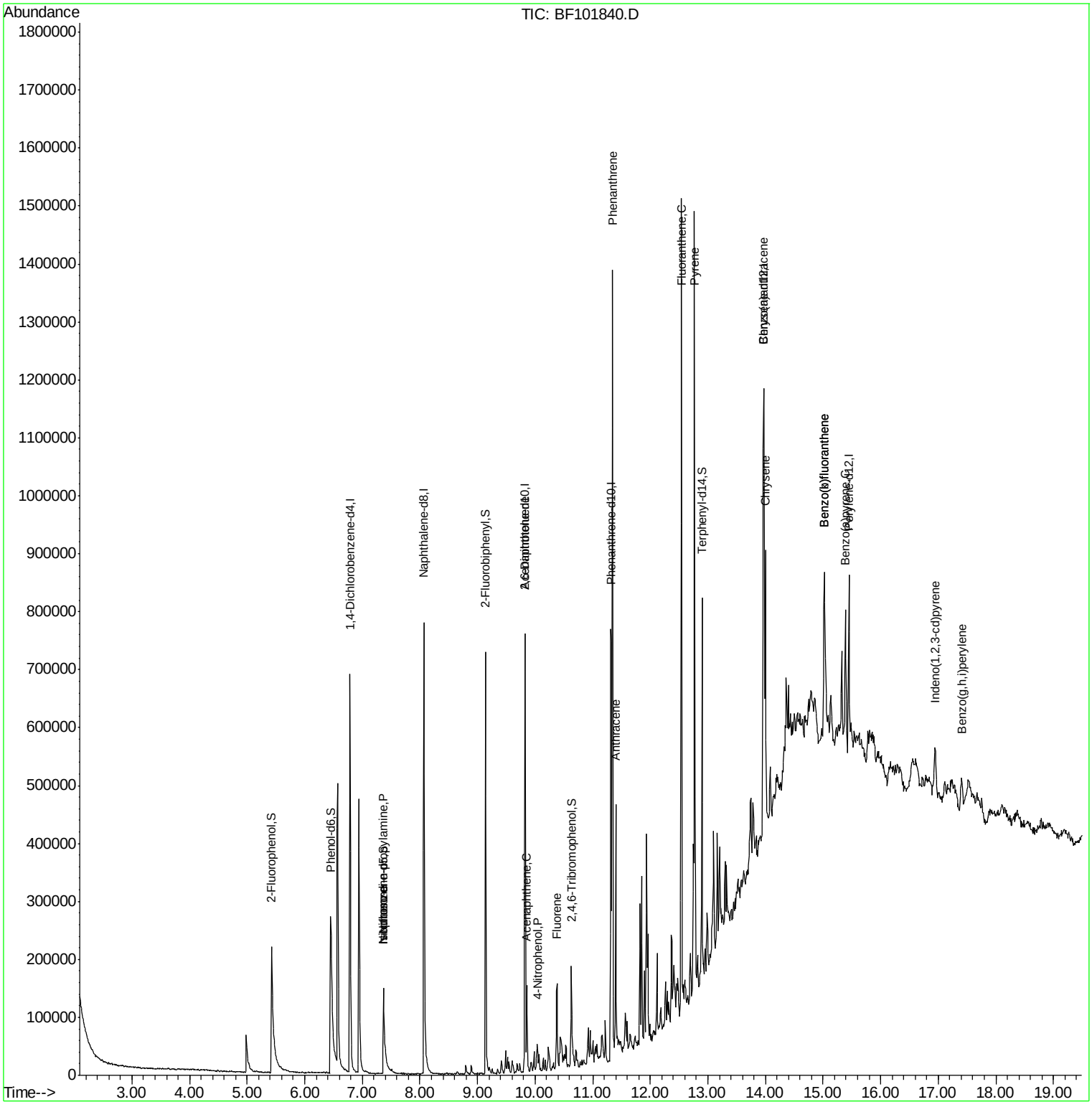
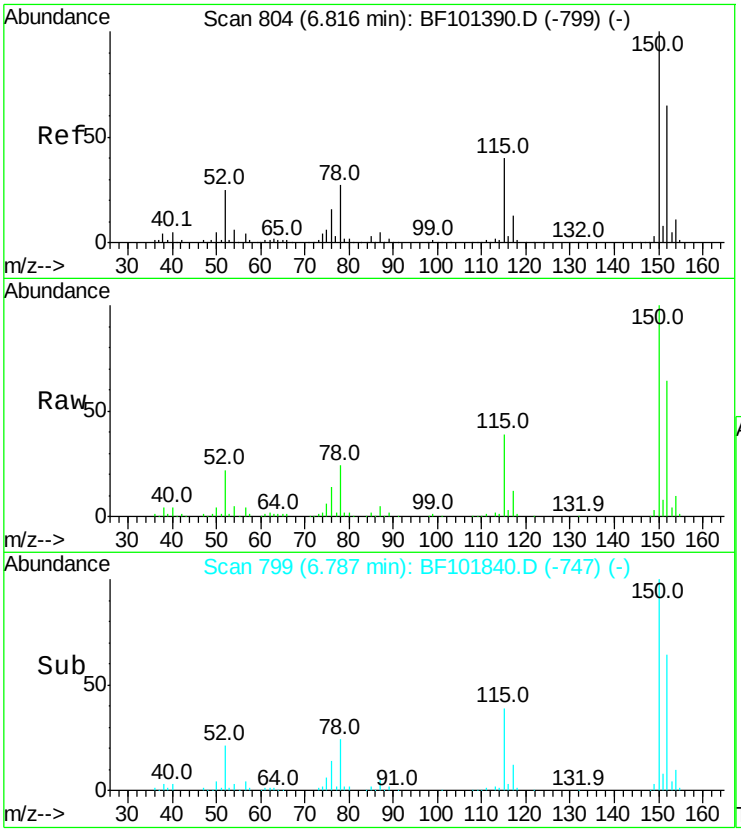
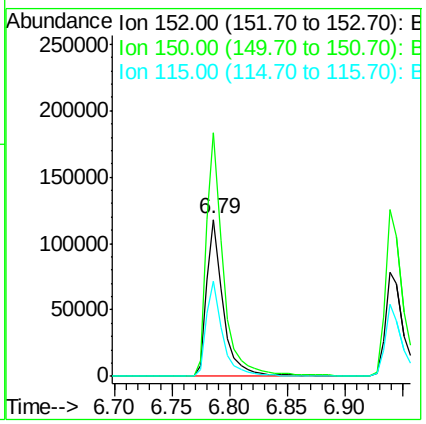




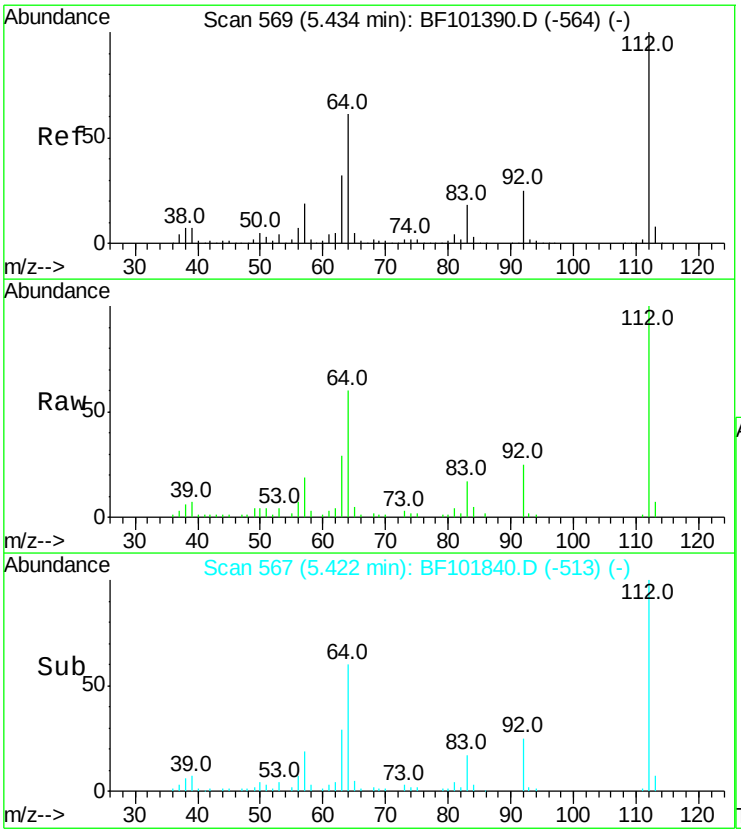
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:152 Resp: 118310

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.7	50.1	75.1



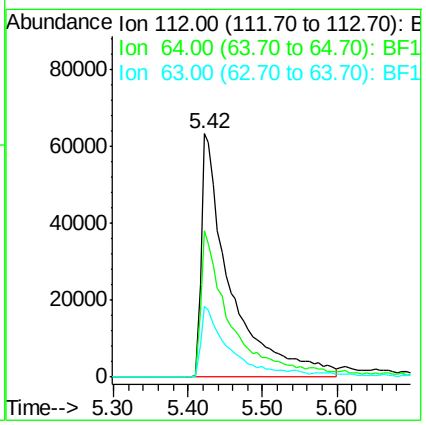
Instrument :
BNA_F
ClientSampleId :

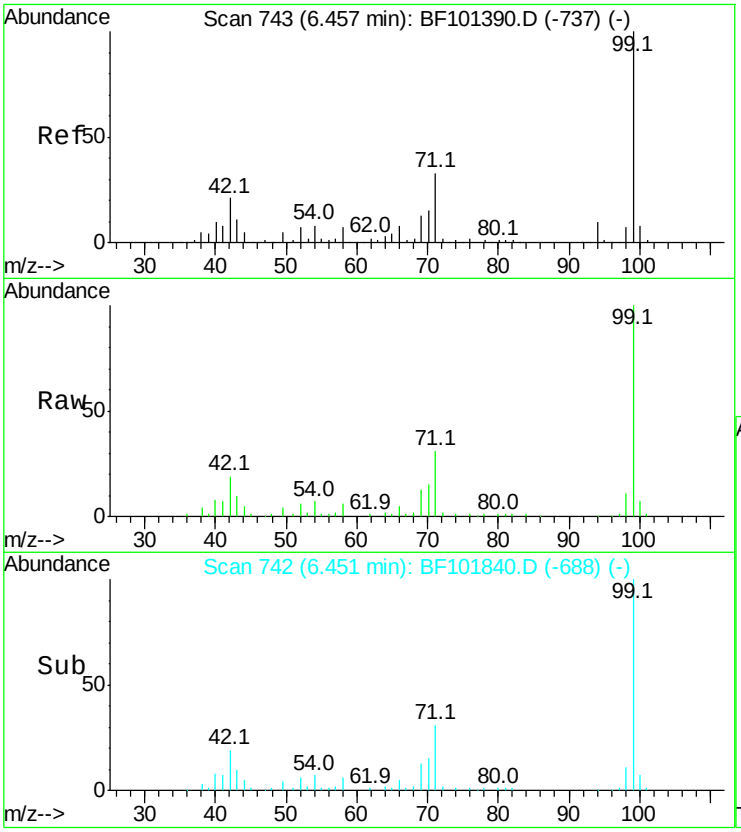


#5
2-Fluorophenol
Concen: 21.660 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:112 Resp: 172038

Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	28.9	23.7	35.5



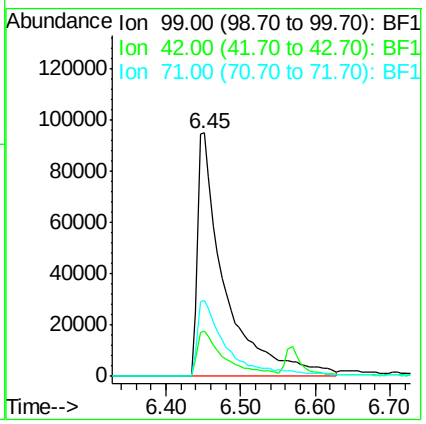


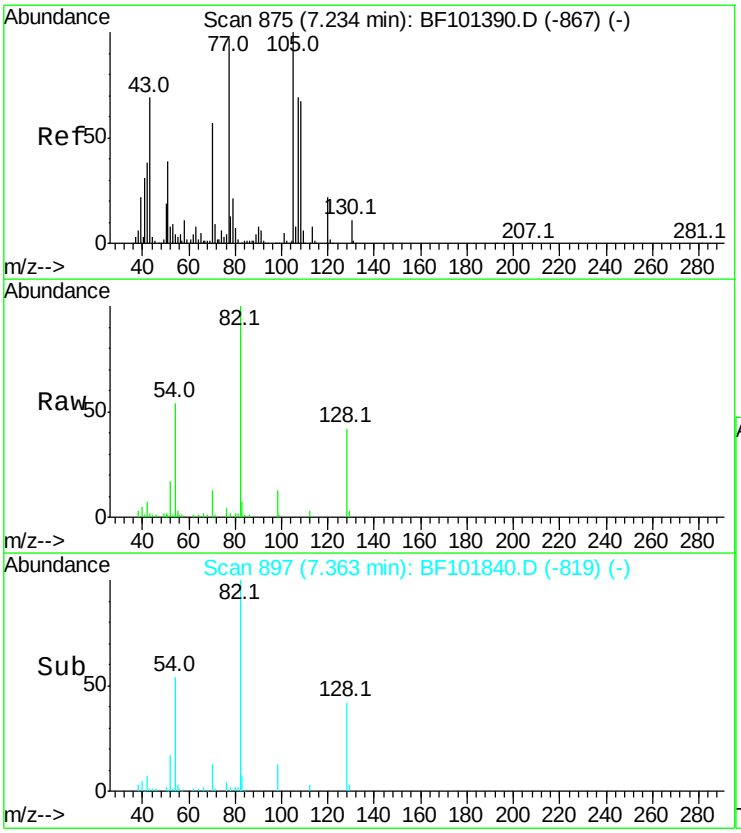
#7
Phenol-d6
Concen: 24.496 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 242139

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.5	21.7
71	31.4	25.4	38.0

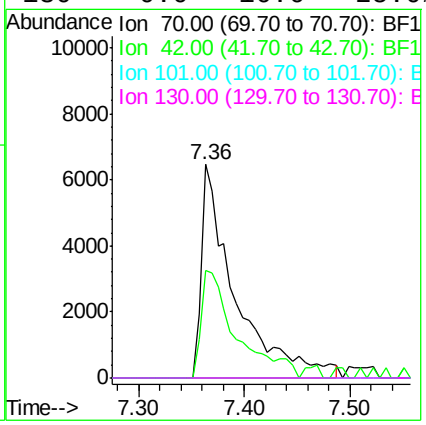


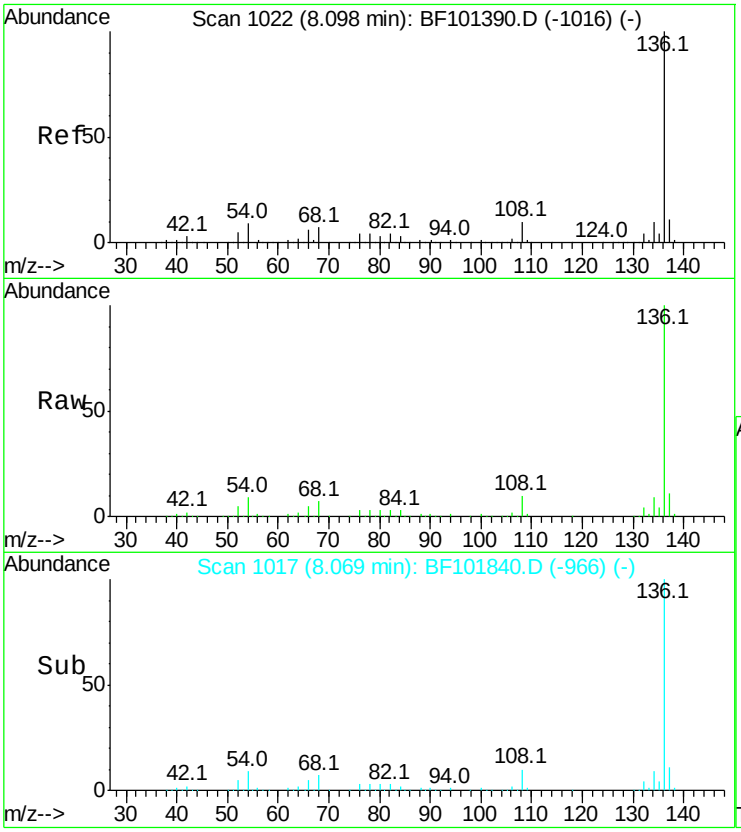


#19
n-Nitroso-di-n-propylamine
Concen: 2.182 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.16 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion: 70 Resp: 14164

Ion	Ratio	Lower	Upper
70	100		
42	50.1	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



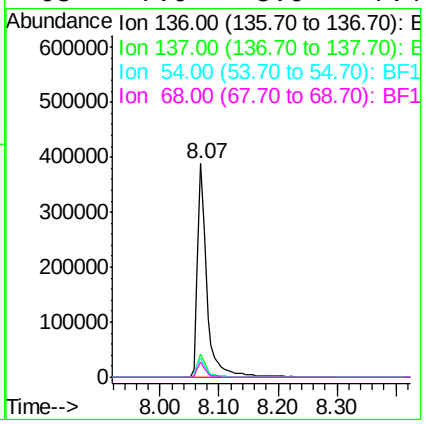


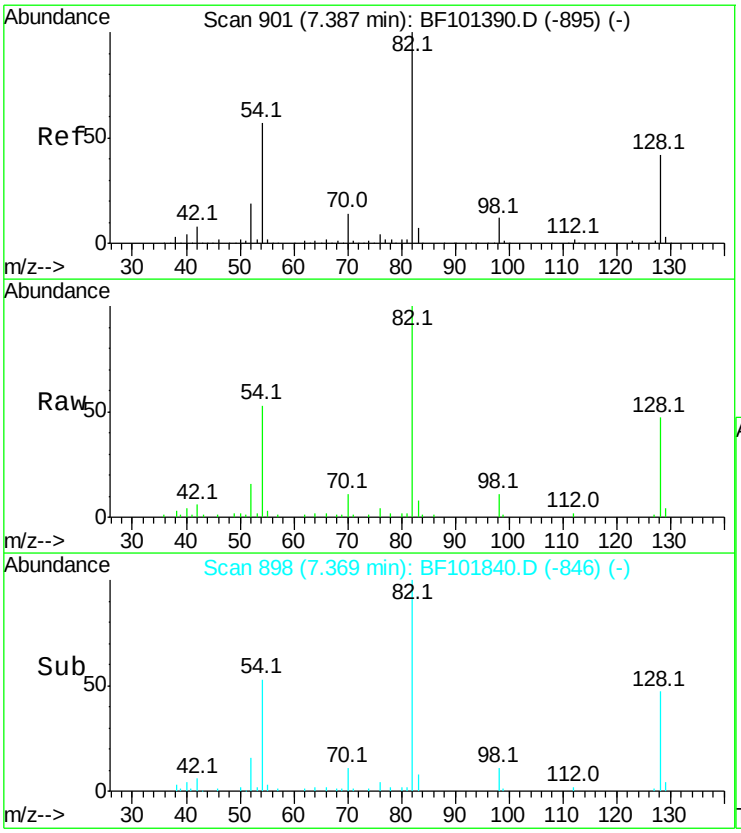
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 422752

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

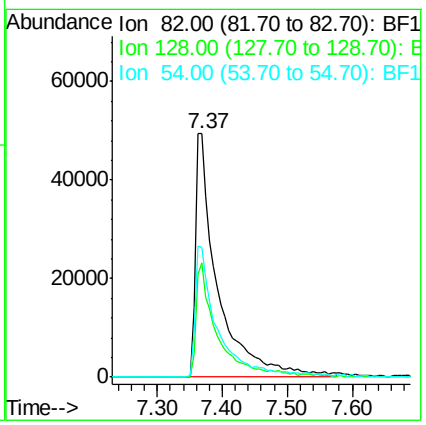


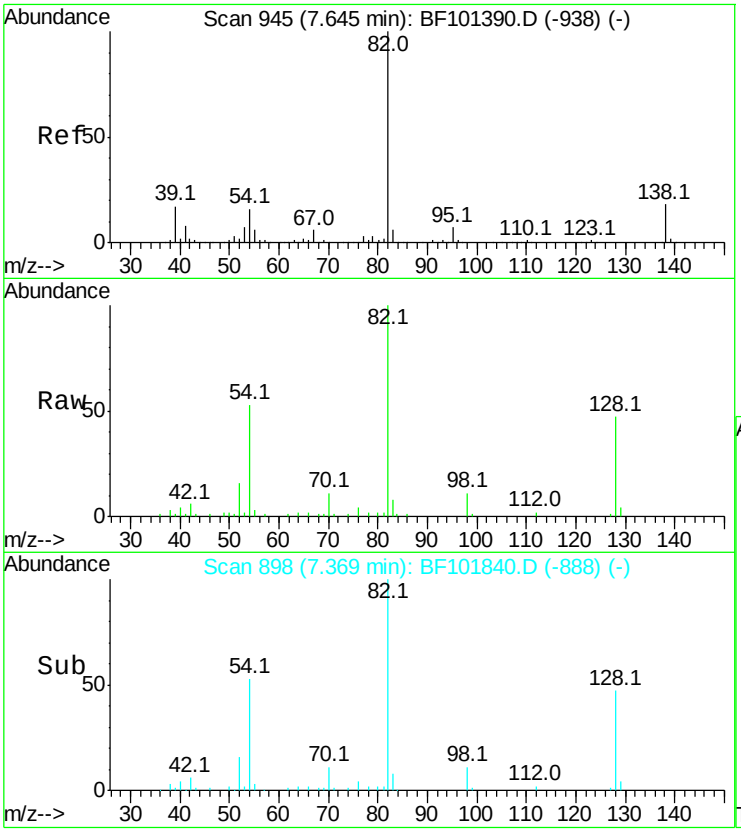


#23
Nitrobenzene-d5
Concen: 15.339 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion: 82 Resp: 116490

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	53.3	41.4	62.2



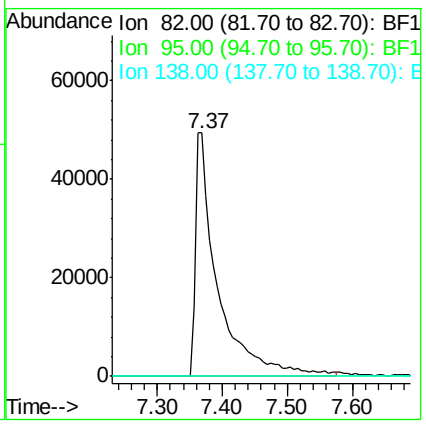


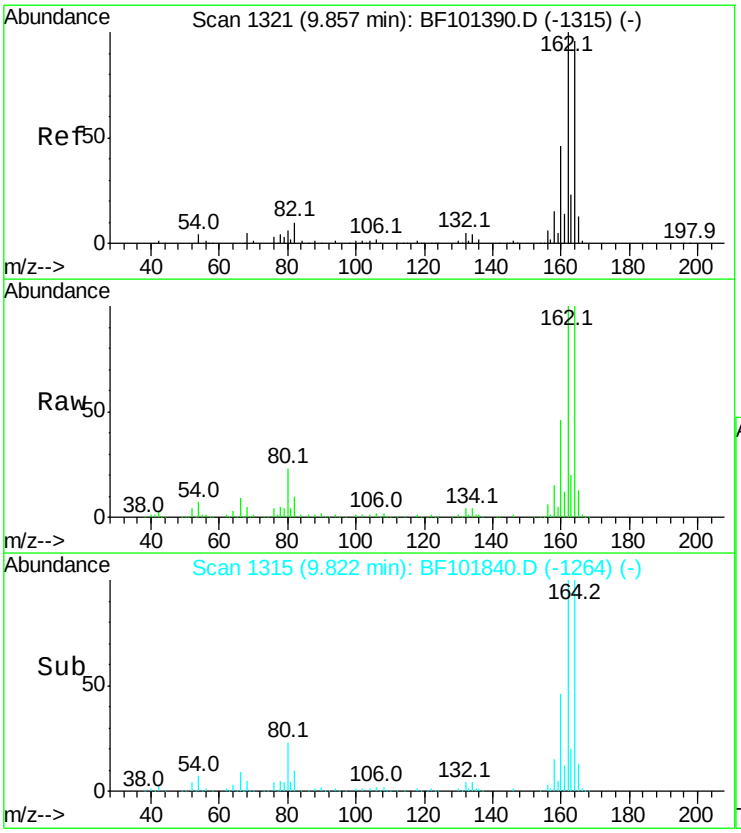
#25
Isophorone
Concen: 7.646 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.24 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 116490

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

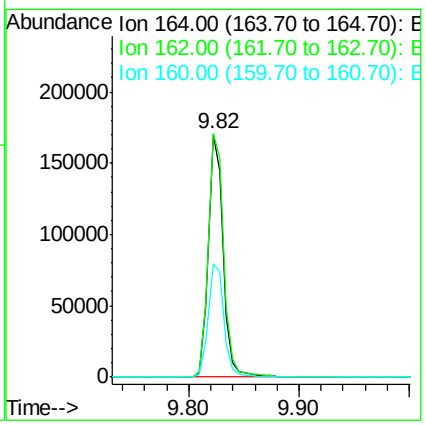


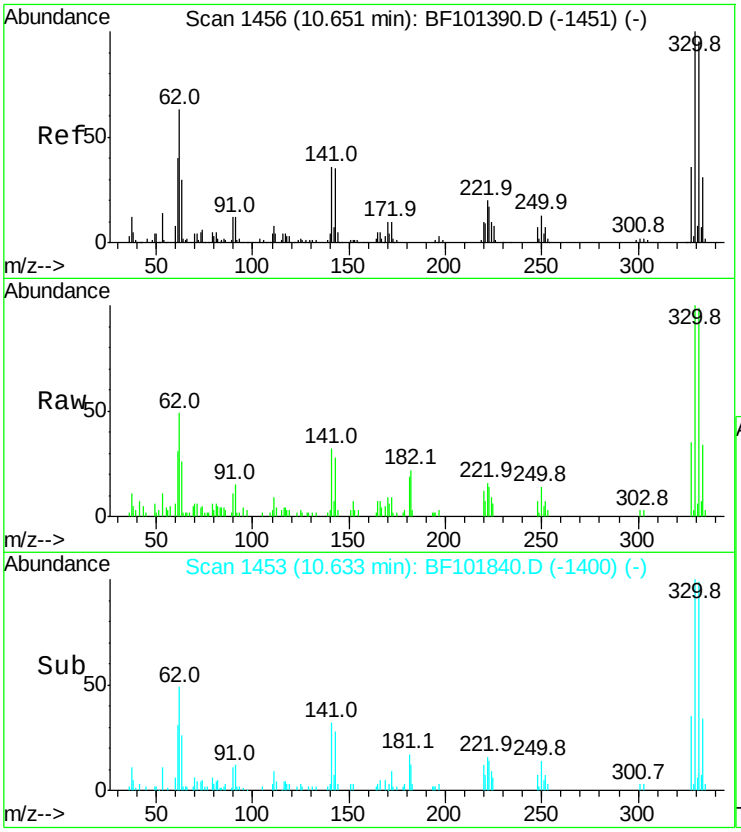


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:164 Resp: 154284

Ion	Ratio	Lower	Upper
164	100		
162	100.3	86.1	129.1
160	46.6	38.3	57.5



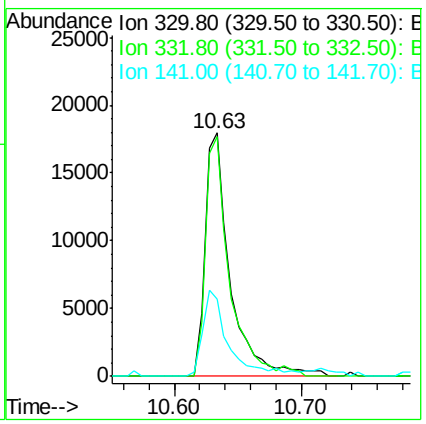


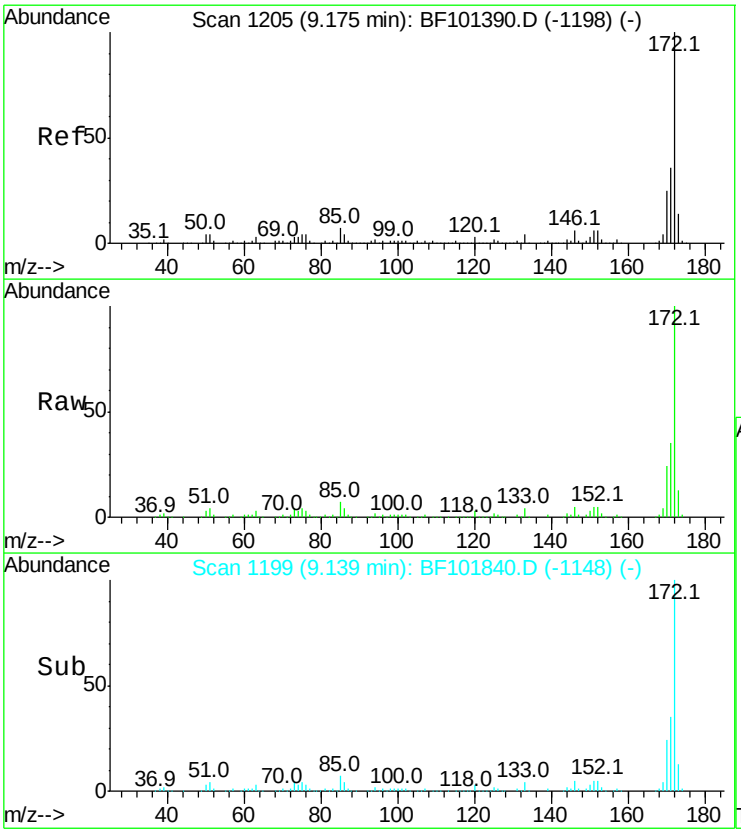
#41
2,4,6-Tribromophenol
Concen: 16.673 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 24787

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	36.5	29.9	44.9

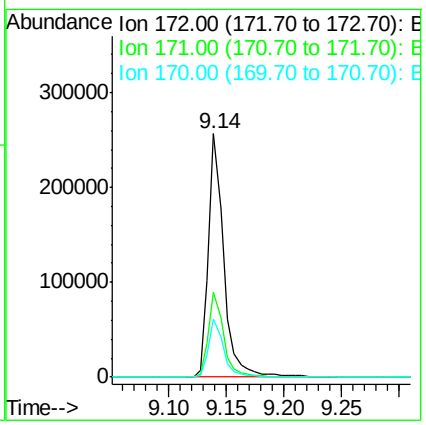


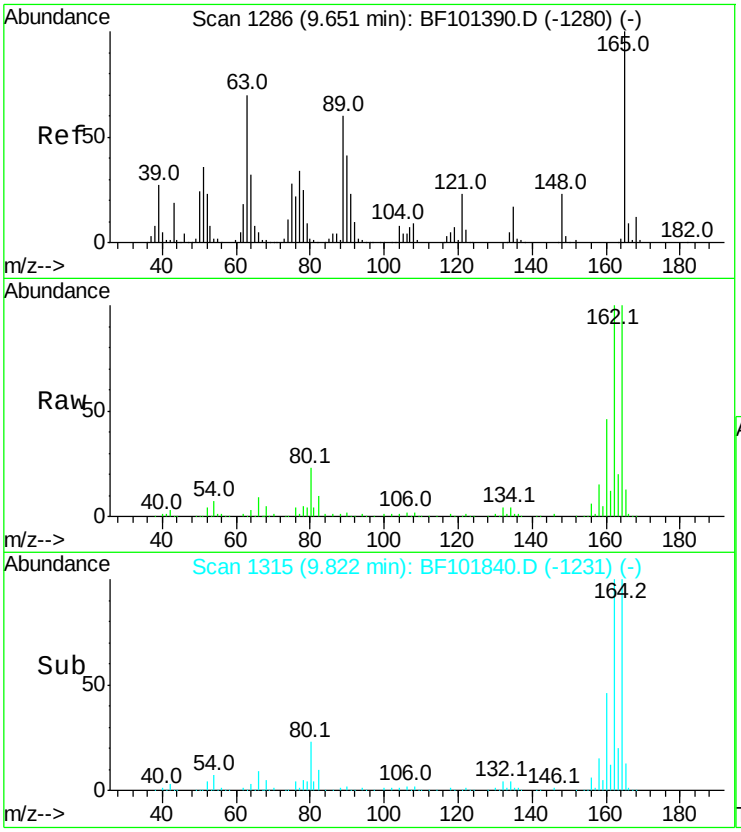


#44
2-Fluorobiphenyl
Concen: 23.937 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:172 Resp: 238074

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.7	19.6	29.4



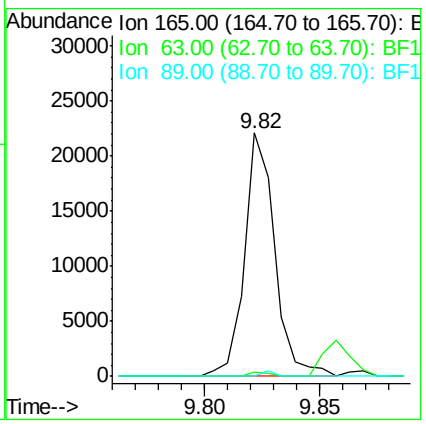


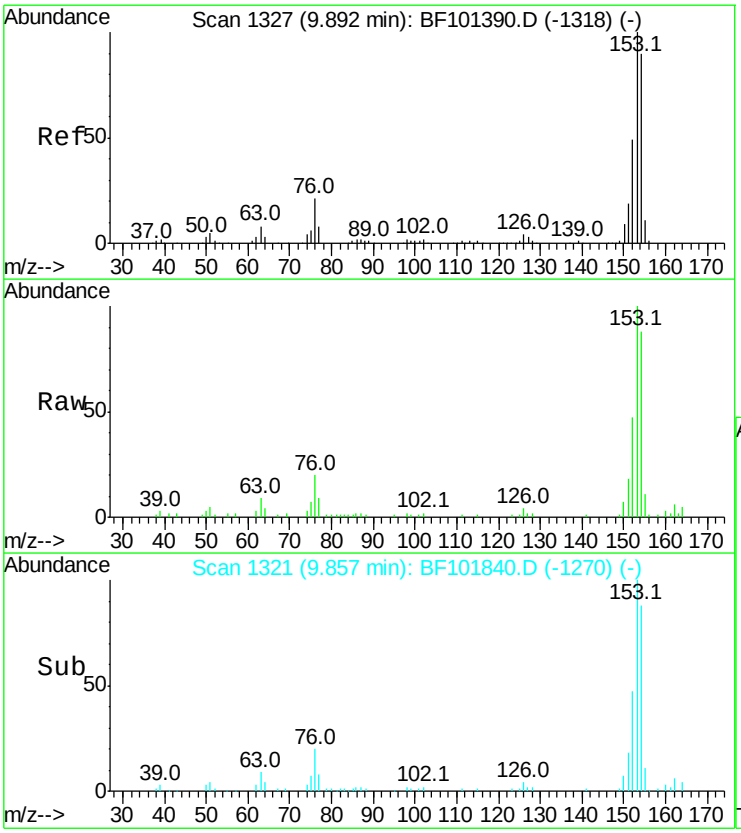
#50
2,6-Dinitrotoluene
Concen: 8.013 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 20212

Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	0.0	44.0	66.0#

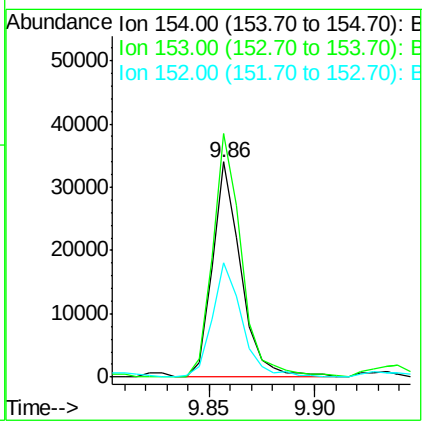


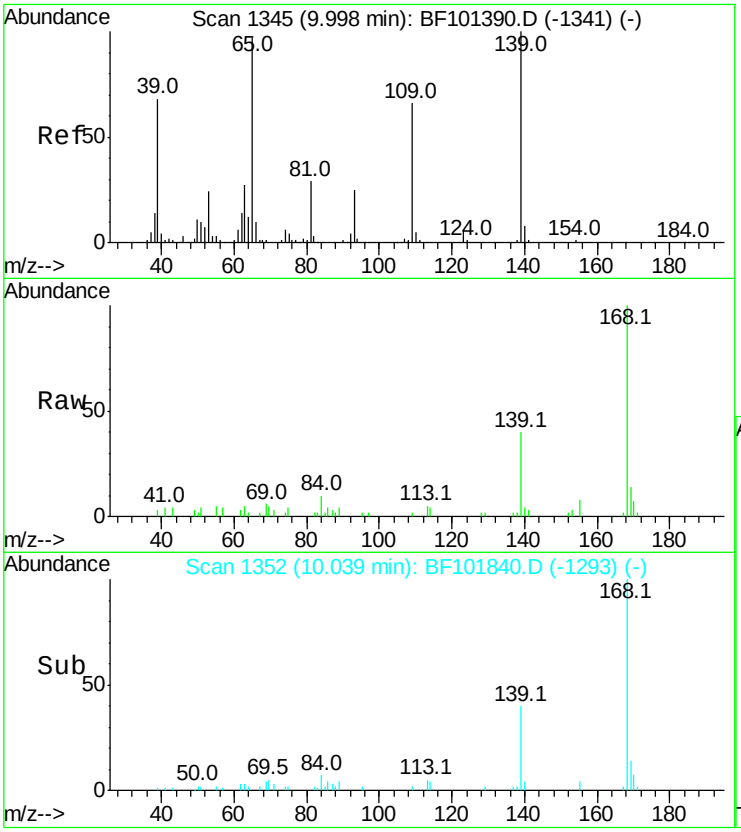


#51
Acenaphthene
Concen: 3.201 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:154 Resp: 31799

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.2	136.8
152	53.3	43.8	65.8



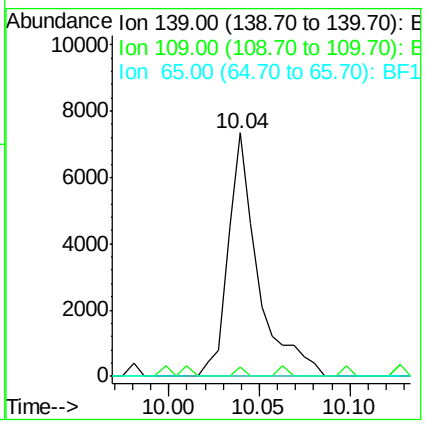


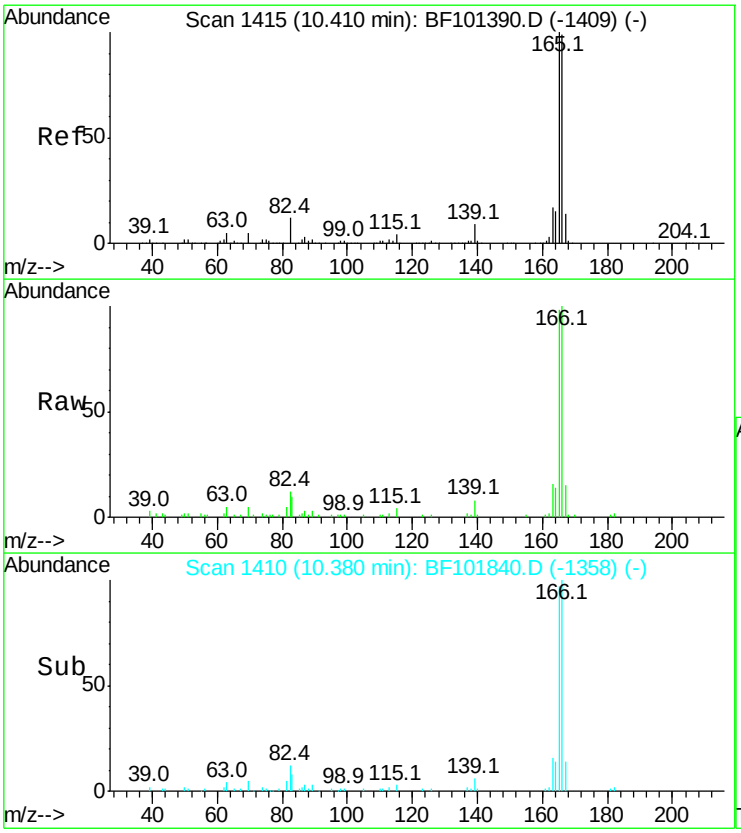
#55
4-Nitrophenol
Concen: 6.135 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.05 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 8412

Ion	Ratio	Lower	Upper
139	100		
109	4.1	48.4	88.4#
65	0.0	72.6	112.6#

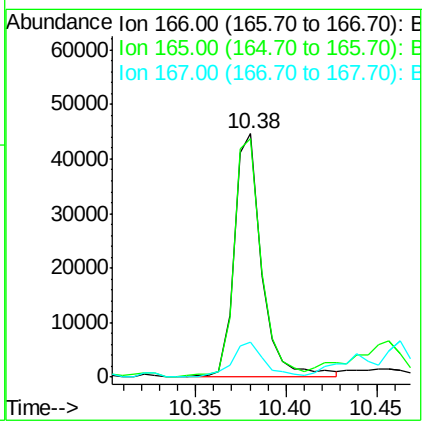


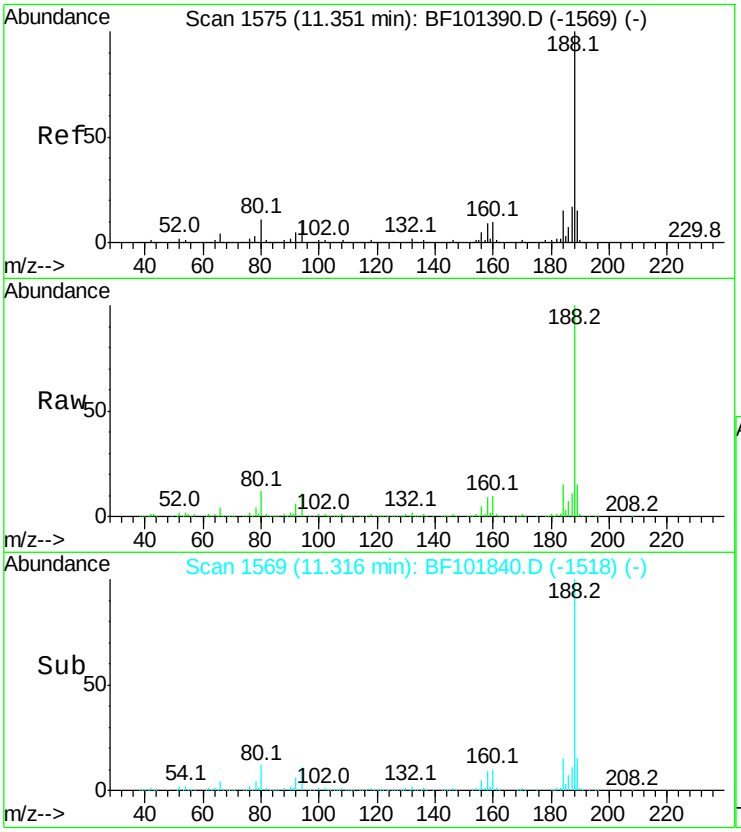


#57
Fluorene
Concen: 4.423 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:166 Resp: 47235

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.5	10.6	16.0



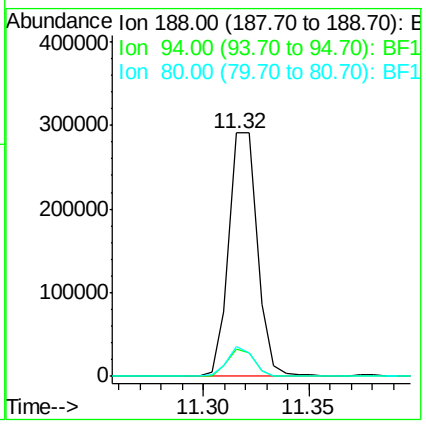


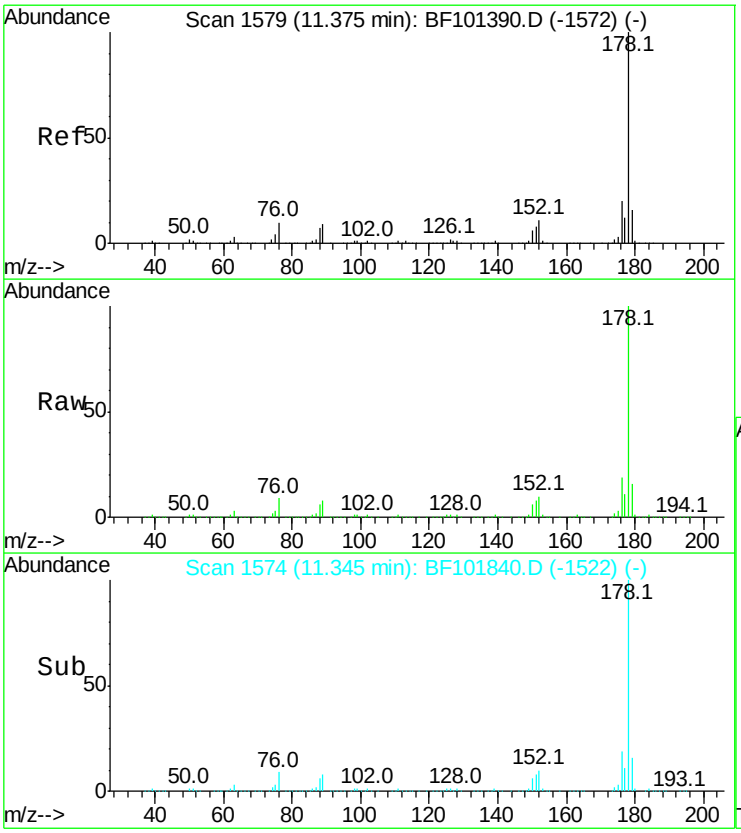
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 272129

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.4	9.2	13.8

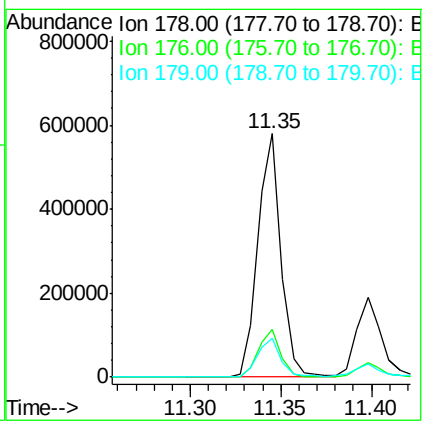


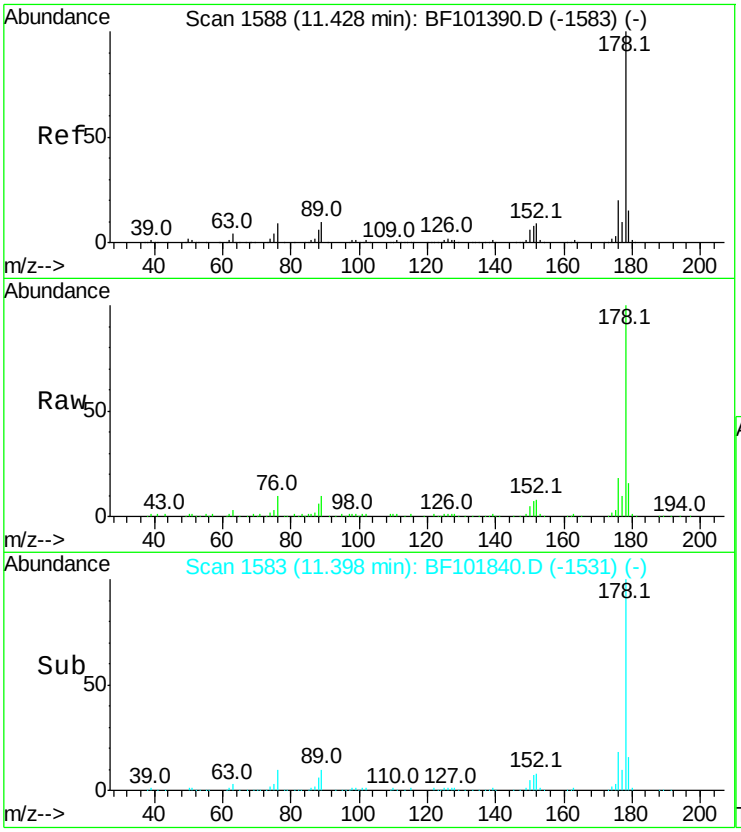


#70
Phenanthrene
Concen: 34.019 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:178 Resp: 514824

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



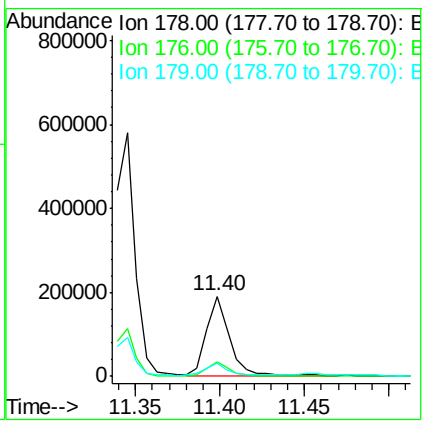


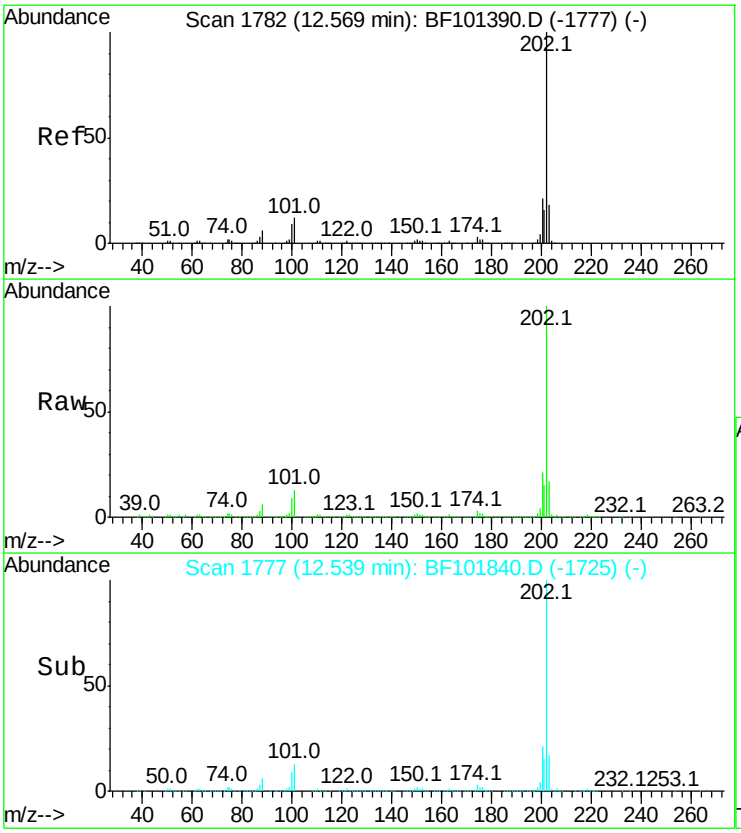
#71
Anthracene
Concen: 11.648 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 180058

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.0	12.6	19.0

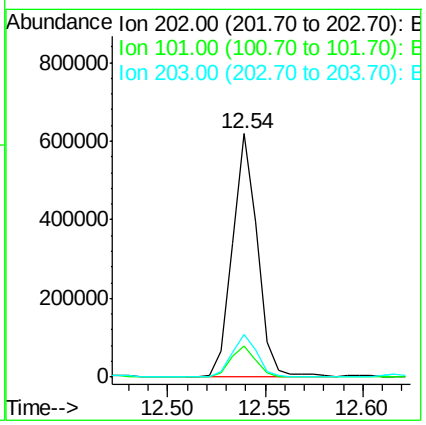


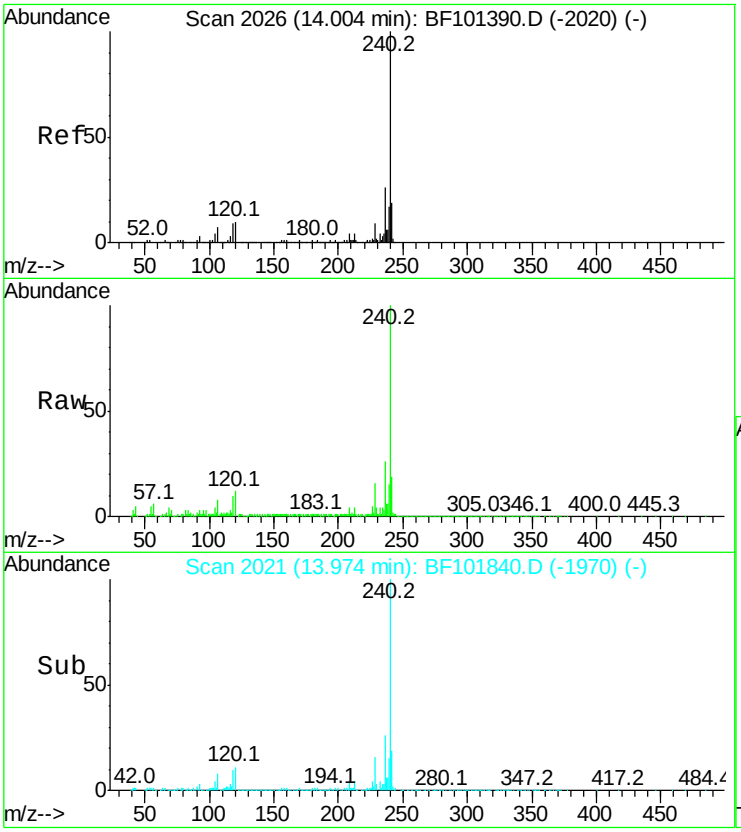


#74
Fluoranthene
Concen: 34.393 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:202 Resp: 546332

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.5	0.0	38.1



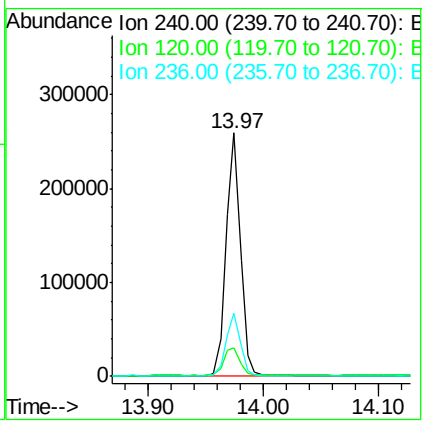


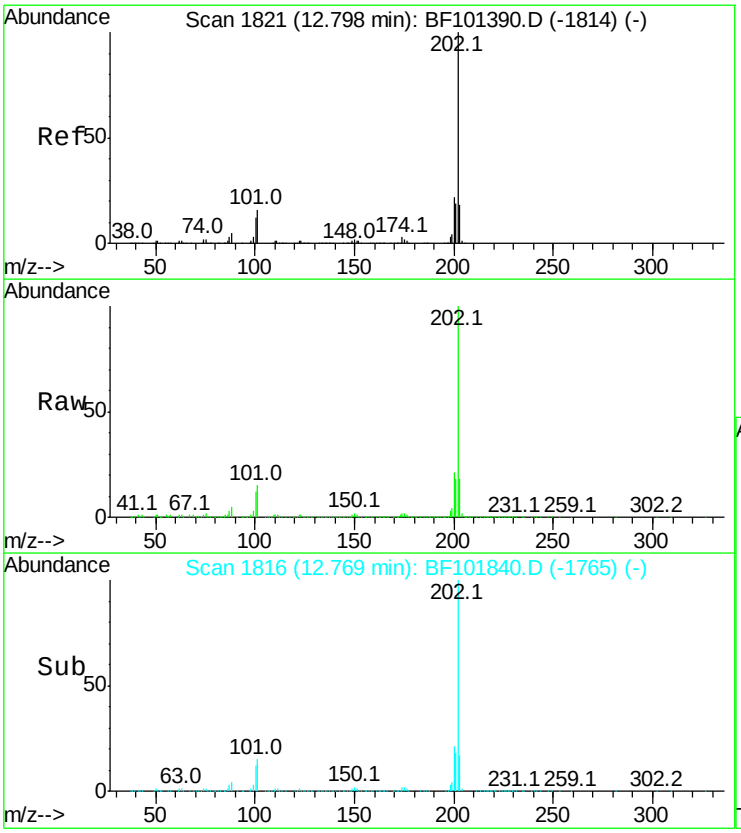
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 222616

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.8	20.7	31.1

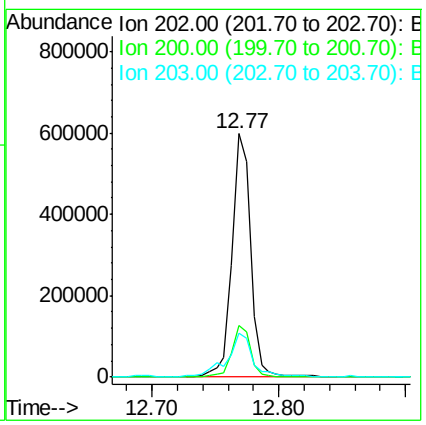


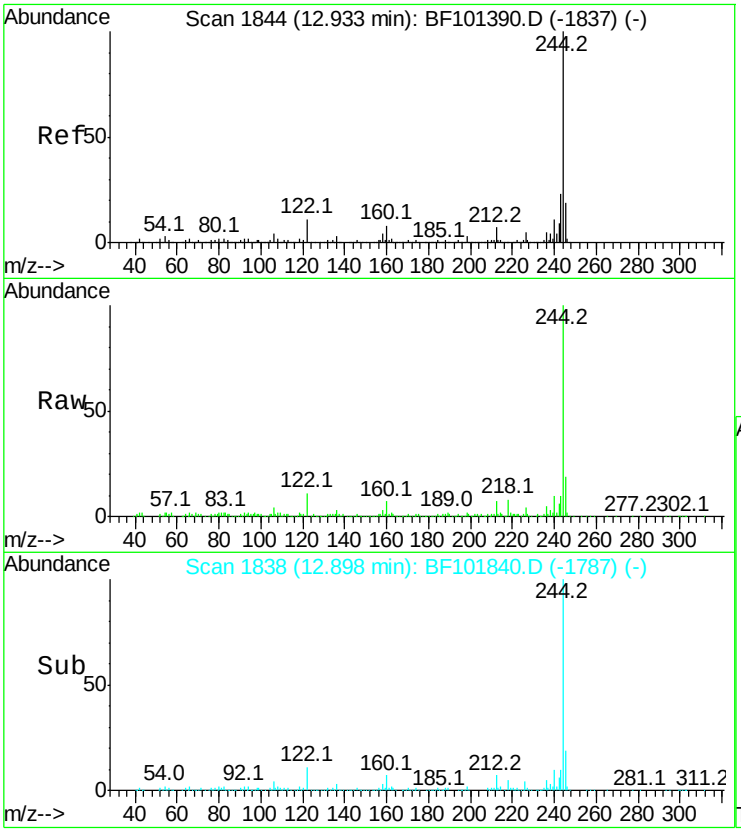


#77
Pyrene
Concen: 35.805 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:202 Resp: 598202

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5



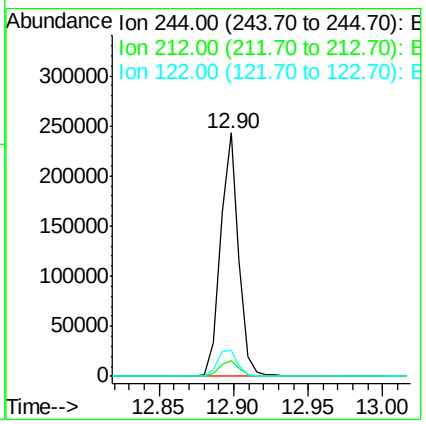


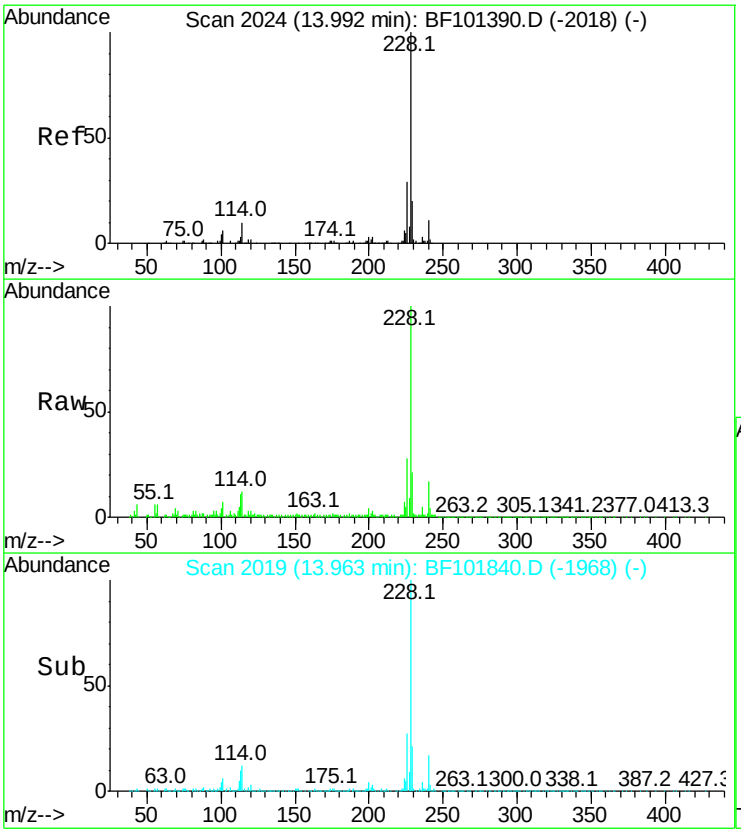
#78
Terphenyl-d14
Concen: 22.563 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 208349

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.7	11.0	16.4#

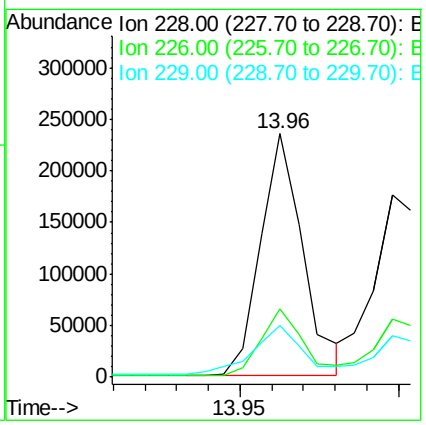


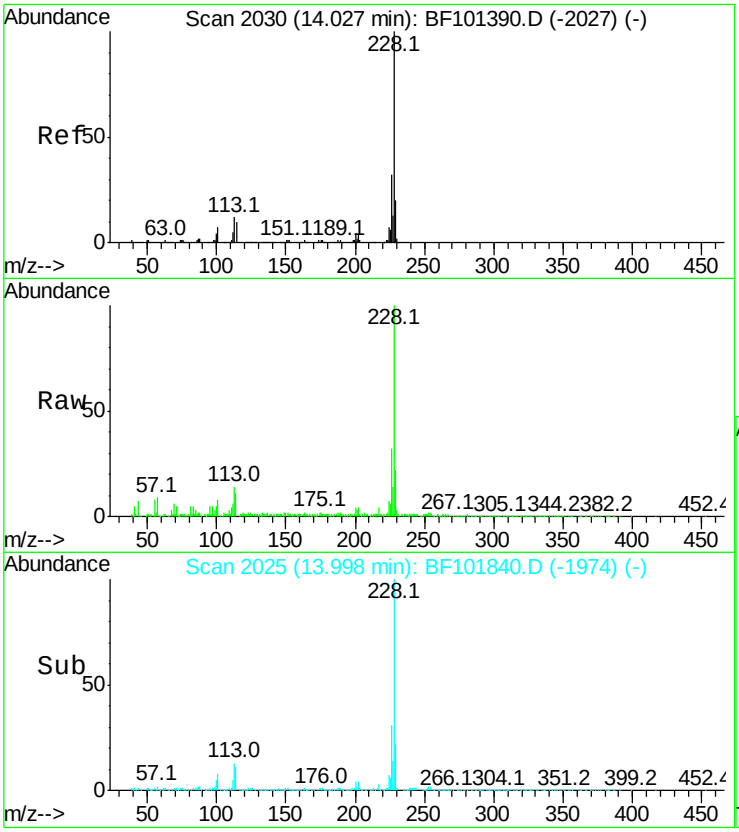


#80
Benzo(a)anthracene
Concen: 14.854 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:228 Resp: 218349

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.4	15.8	23.6



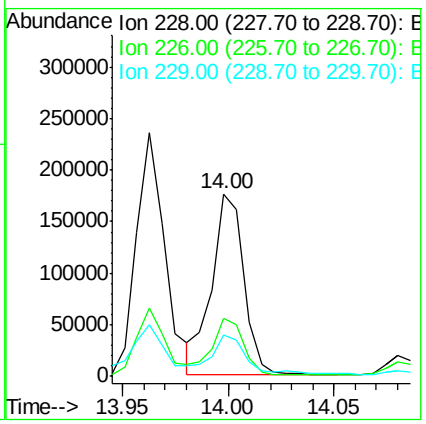


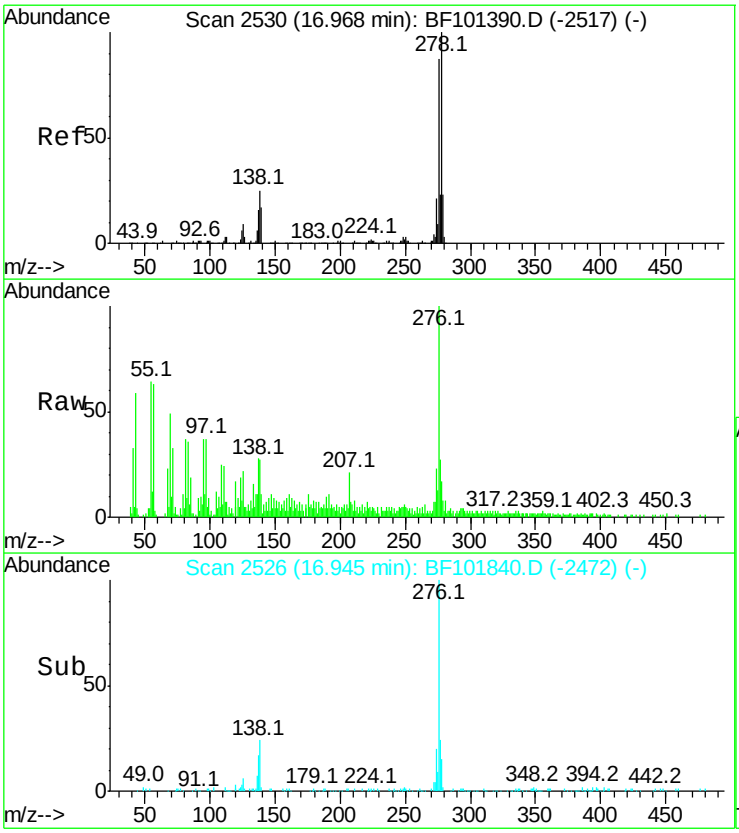
#82
Chrysene
Concen: 13.391 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 185860

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.3	16.2	24.4

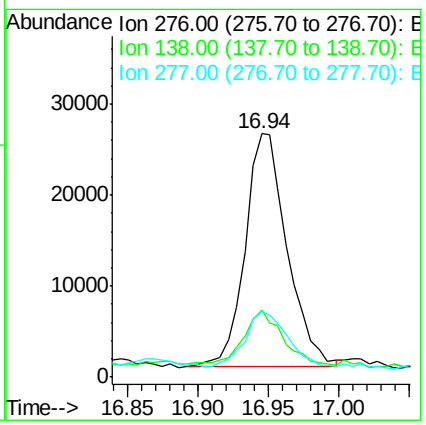


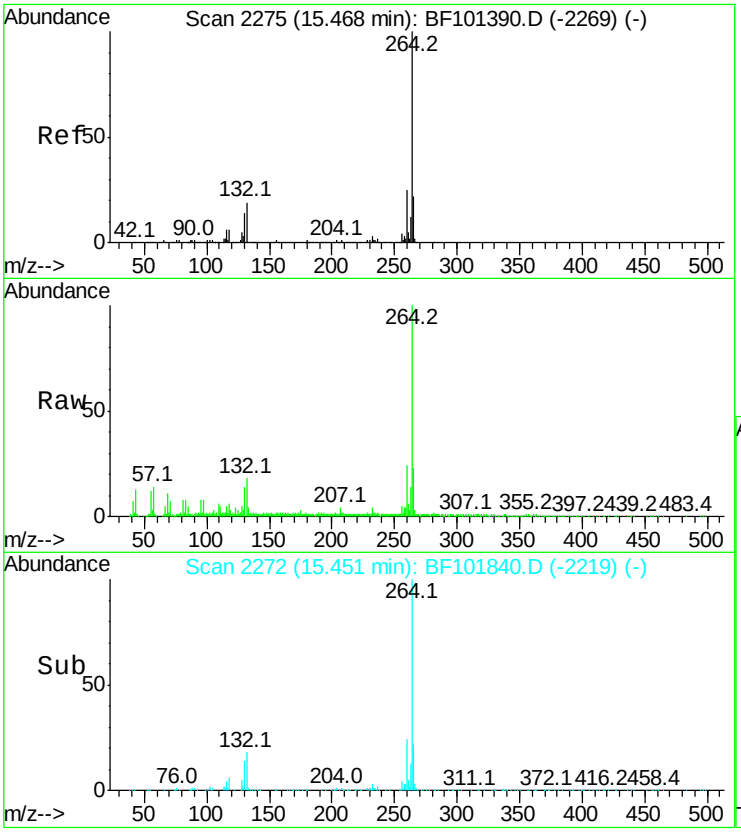


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.312 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:276 Resp: 53291

Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.1	20.1	30.1



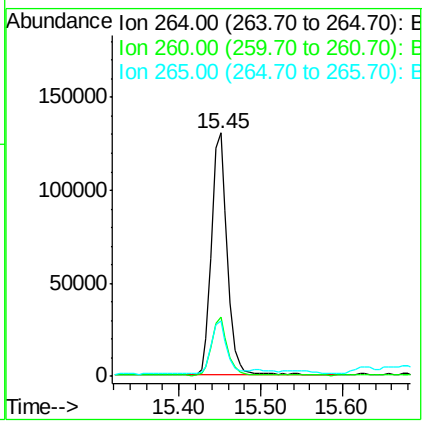


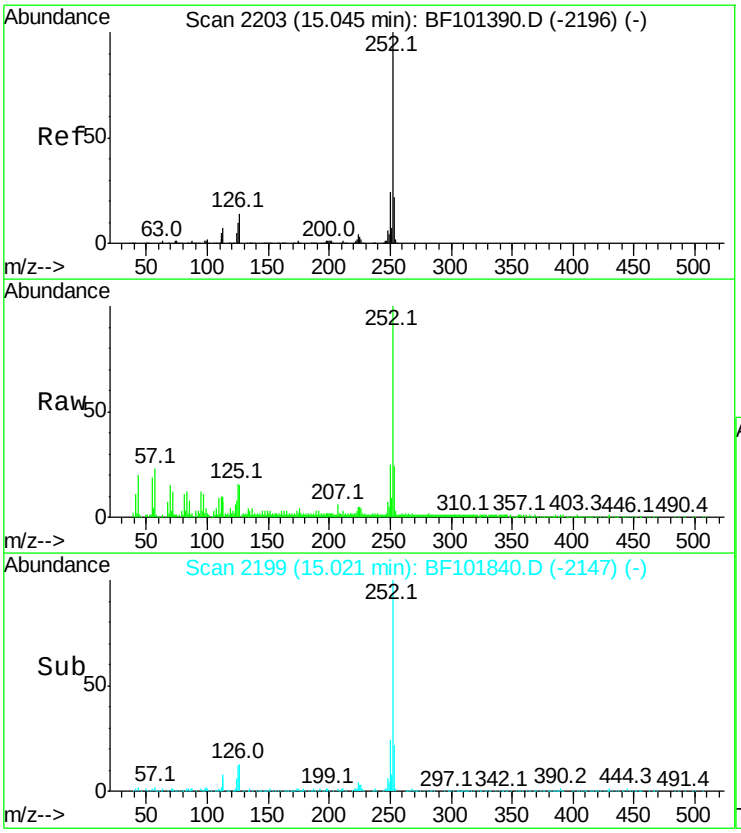
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 176343

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3

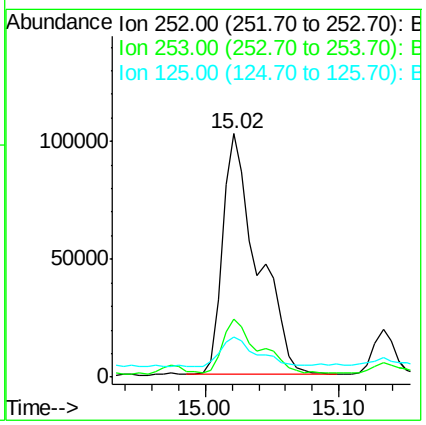


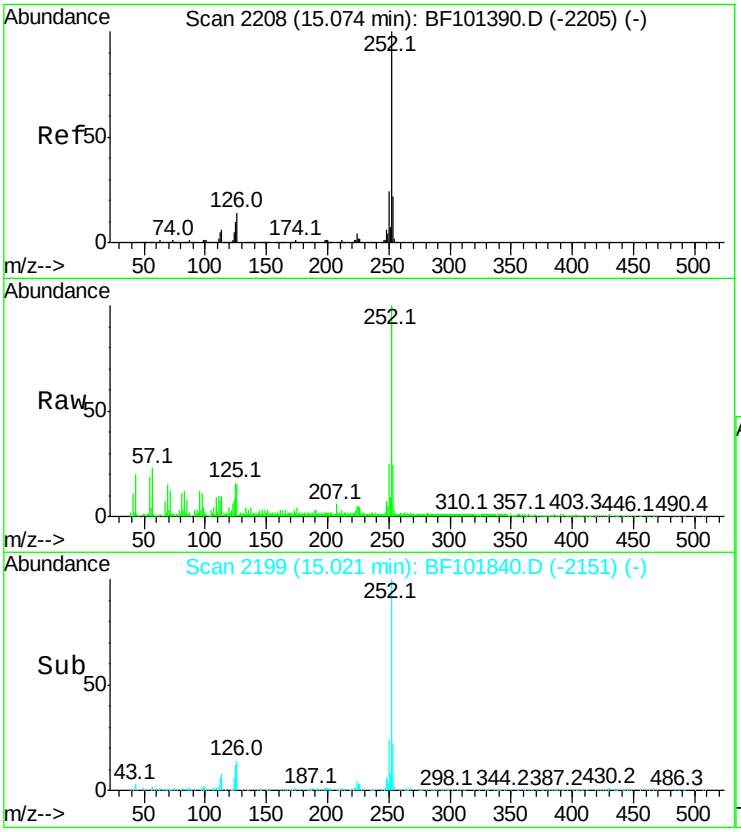


#87
Benzo(b)fluoranthene
Concen: 17.281 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:252 Resp: 185741

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	16.5	9.0	13.6#



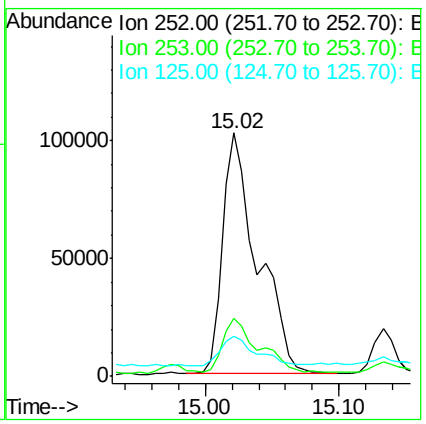


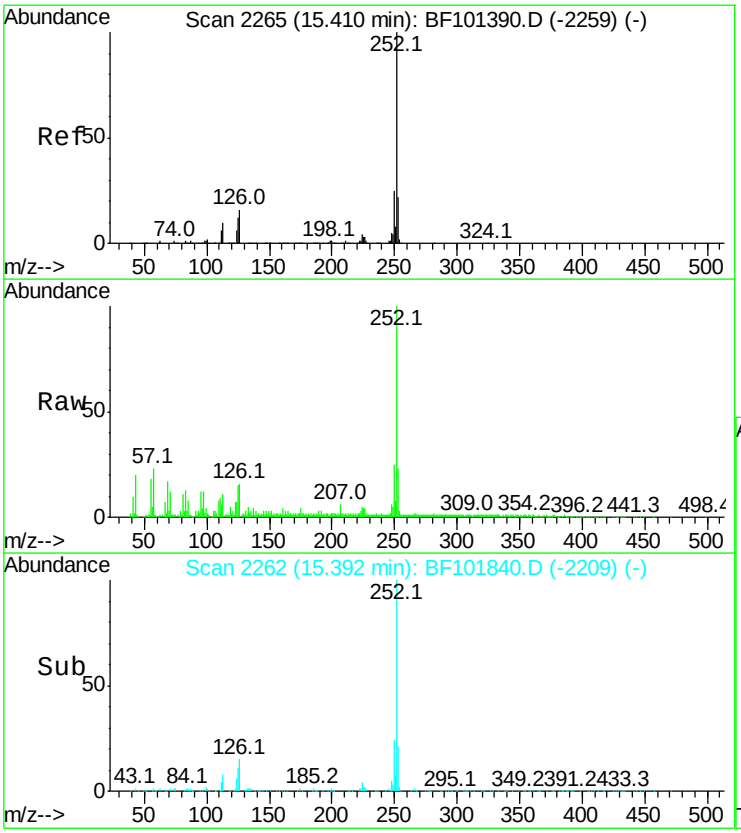
#88
Benzo(k)fluoranthene
Concen: 17.773 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 185741

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	16.5	10.2	15.2#

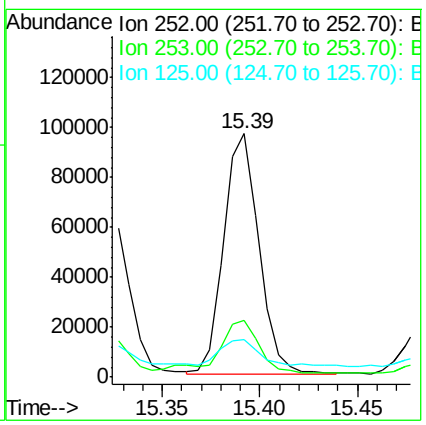


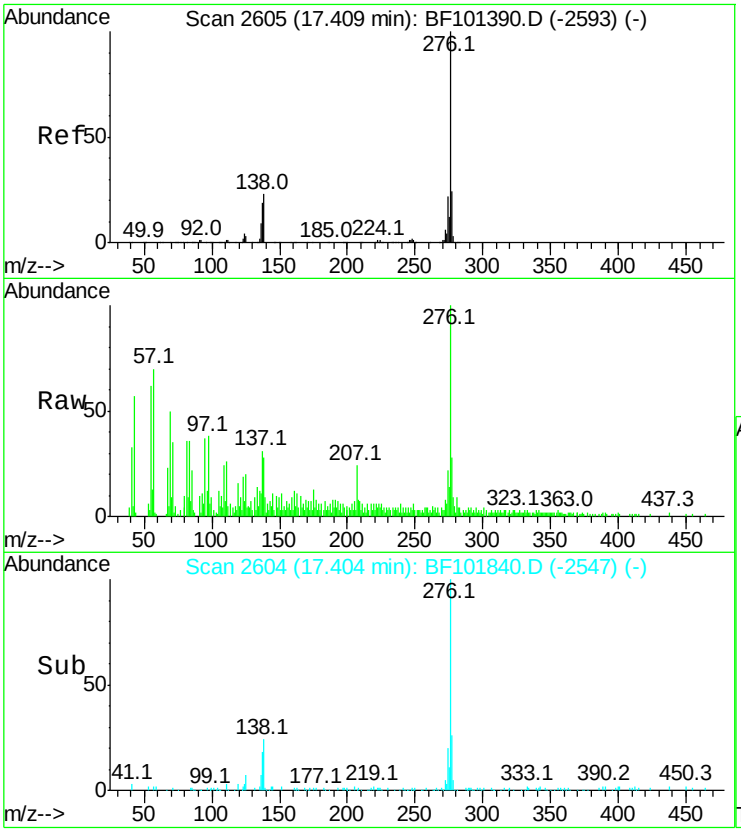


#89
Benzo(a)pyrene
Concen: 12.203 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Tgt Ion:252 Resp: 120910

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.4	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 6.412 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.04 min
Lab File: BF101840.D
Acq: 29 Dec 2017 20:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 54014

Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	27.8	21.8	32.8