Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF032917\
Data File : BF094057.D
Acq On : 30 Mar 2017 12:24
Operator : SJ/MA
Sample : I2443-03DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Mar 30 13:09:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 27 16:10:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	152965	20.00	ng		-0.03
21) Naphthalene-d8	7.43	136	597549	20.00	ng		-0.03
38) Acenaphthene-d10	9.57	164	250233	20.00	ng		-0.02
63) Phenanthrene-d10	11.40	188	388000	20.00	ng		-0.02
75) Chrysene-d12	14.66	240	306325	20.00	ng		-0.02
86) Perylene-d12	16.29	264	221854	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.46	112	188801	20.85	ng		-0.01
7) Phenol-d6	5.53	99	238452	21.28	ng		-0.02
23) Nitrobenzene-d5	6.57	82	87712	8.38	ng		-0.04
41) 2,4,6-Tribromophenol	10.55	330	25896	13.10	ng		-0.03
44) 2-Fluorobiphenyl	8.75	172	269957	16.45	ng		-0.03
78) Terphenyl-d14	13.37	244	152019	11.12	ng		-0.03
Target Compounds							Qvalue
48) Acenaphthylene	9.40	152	95344	3.63	ng		97
50) 2,6-Dinitrotoluene	9.57	165	32805	8.05	ng	#	34
55) 4-Nitrophenol	9.82	139	7718	2.06	ng	#	25
56) 2,4-Dinitrotoluene	9.57	165	32806	6.40	ng	#	33
70) Phenanthrene	11.43	178	425287	19.70	ng		98
71) Anthracene	11.49	178	131519	5.92	ng		97
74) Fluoranthene	12.90	202	1032626	46.72	ng		99
77) Pyrene	13.17	202	836578	37.63	ng		99
80) Benzo(a)anthracene	14.64	228	392068	21.95	ng		96
82) Chrysene	14.69	228	371940	22.44	ng		98
85) Indeno(1,2,3-cd)pyrene	17.65	276	119065	8.29	ng		94
87) Benzo(b)fluoranthene	15.88	252	517697	38.07	ng		98
88) Benzo(k)fluoranthene	15.88	252	517697	38.91	ng		97
89) Benzo(a)pyrene	16.23	252	207798	16.59	ng		98
90) Dibenzo(a,h)anthracene	17.67	278	31898	3.01	ng	#	81
91) Benzo(g,h,i)perylene	18.06	276	100119	9.37	ng		100

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

Quantitation Report (Not Reviewed)

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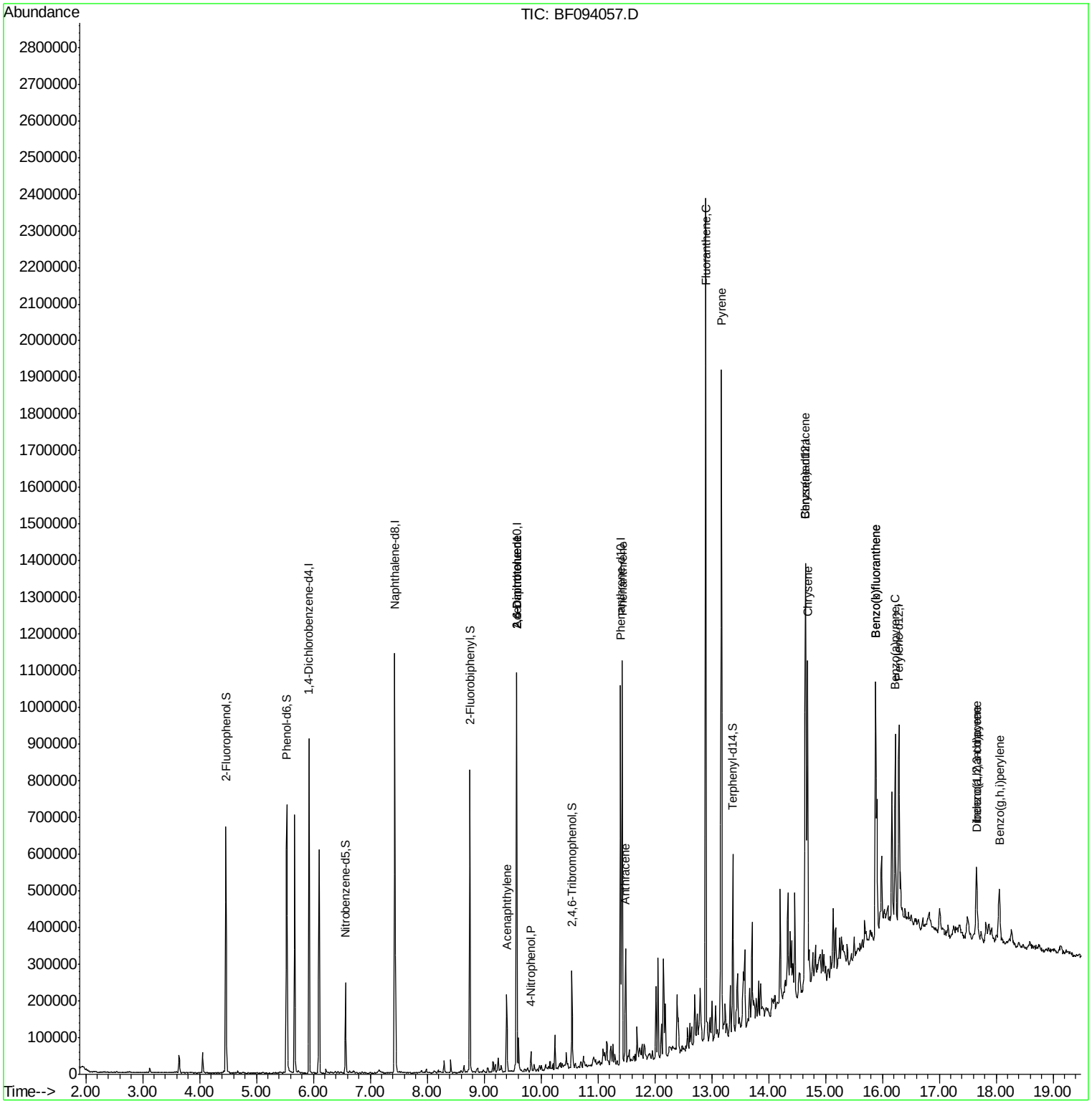
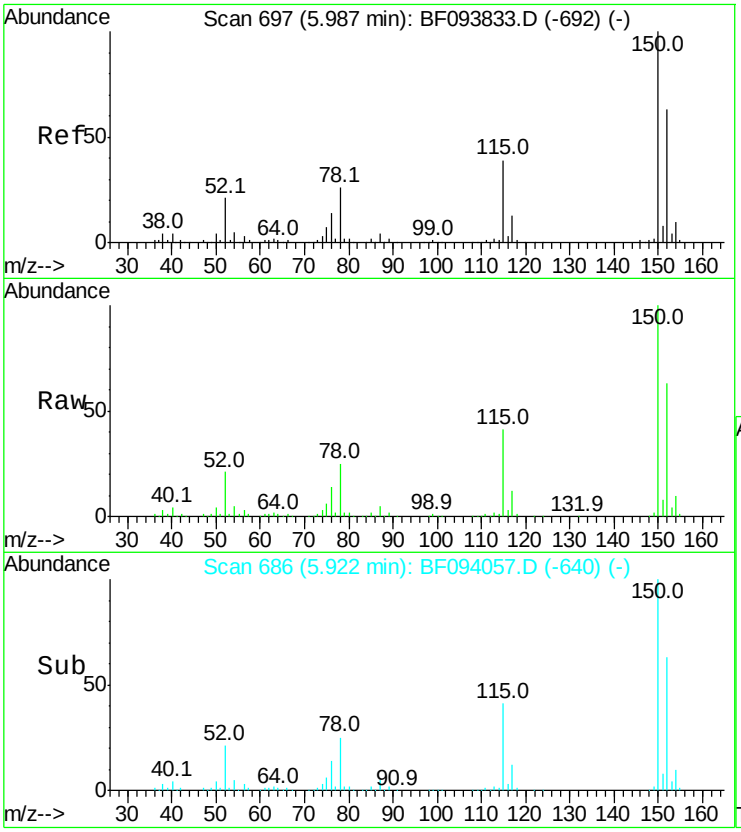


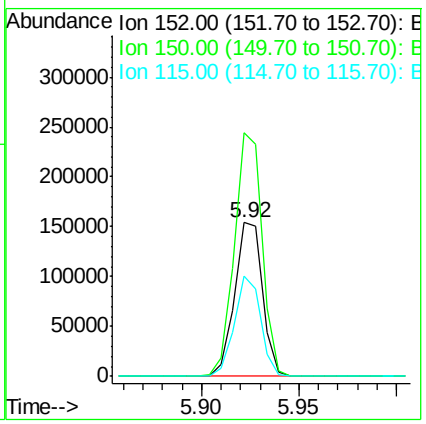


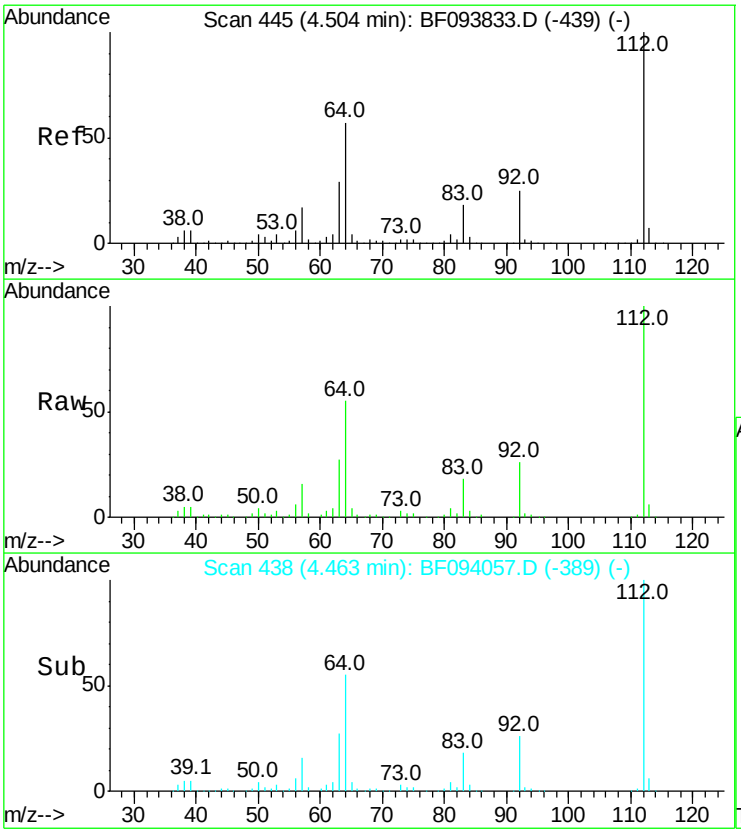
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 152965

Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	65.6	52.2	78.2

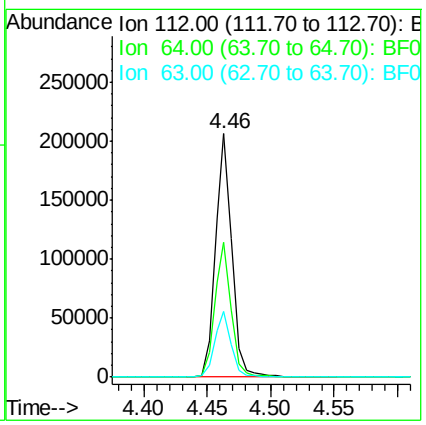


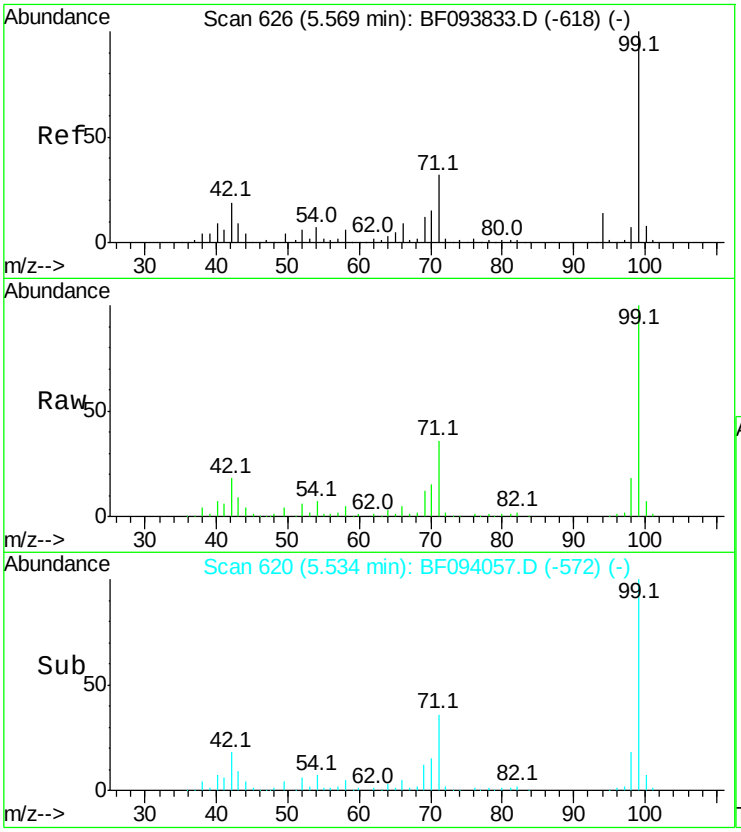


#5
2-Fluorophenol
Concen: 20.85 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:112 Resp: 188801

Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	26.8	23.4	35.0



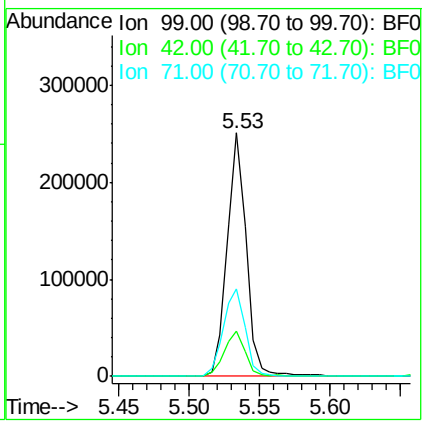


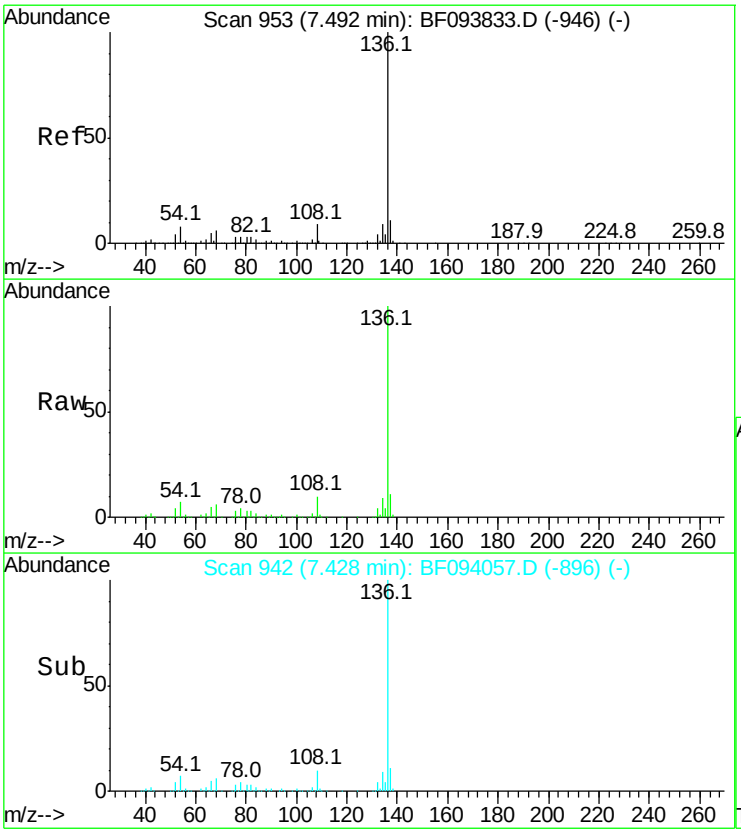
#7
Phenol-d6
Concen: 21.28 ng
RT: 5.53 min Scan# 620
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 238452

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.5	20.3
71	35.9	24.5	36.7

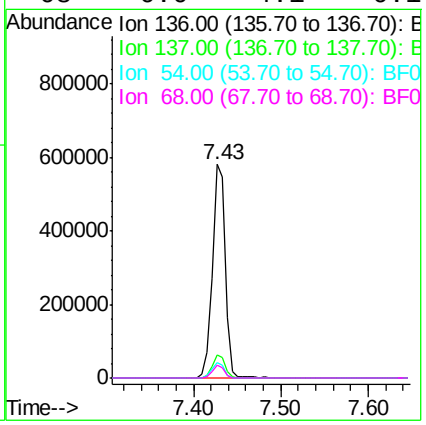


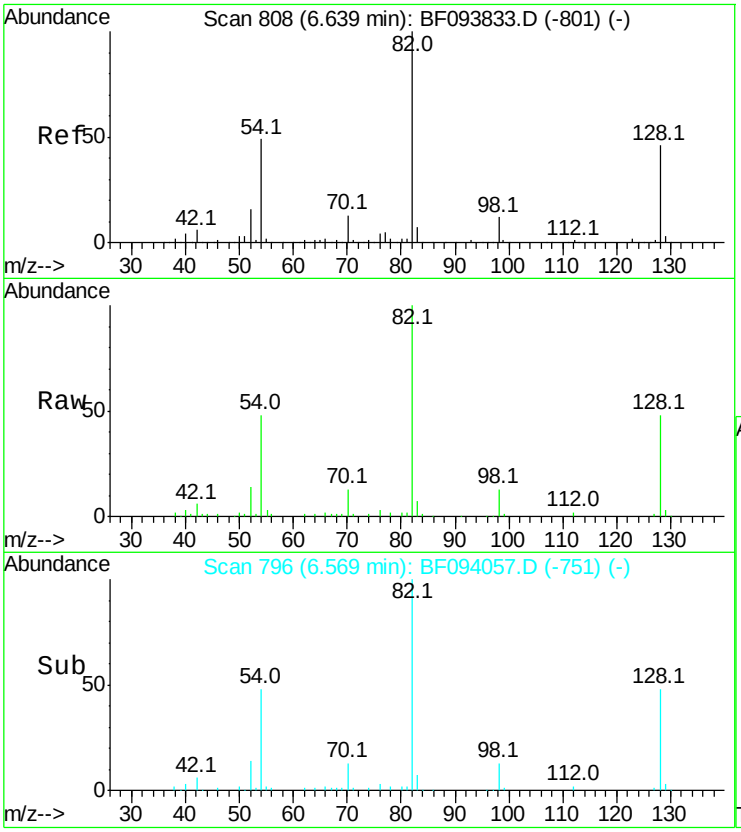


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:136 Resp: 597549

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.5	4.9	7.3#
68	6.0	4.1	6.1



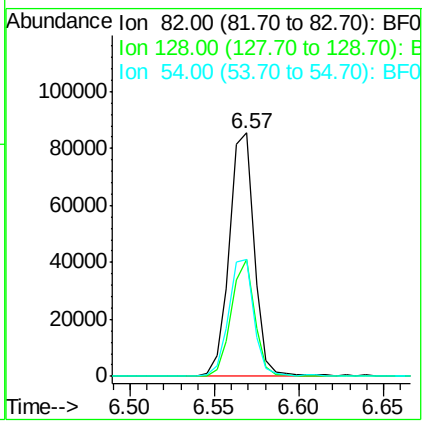


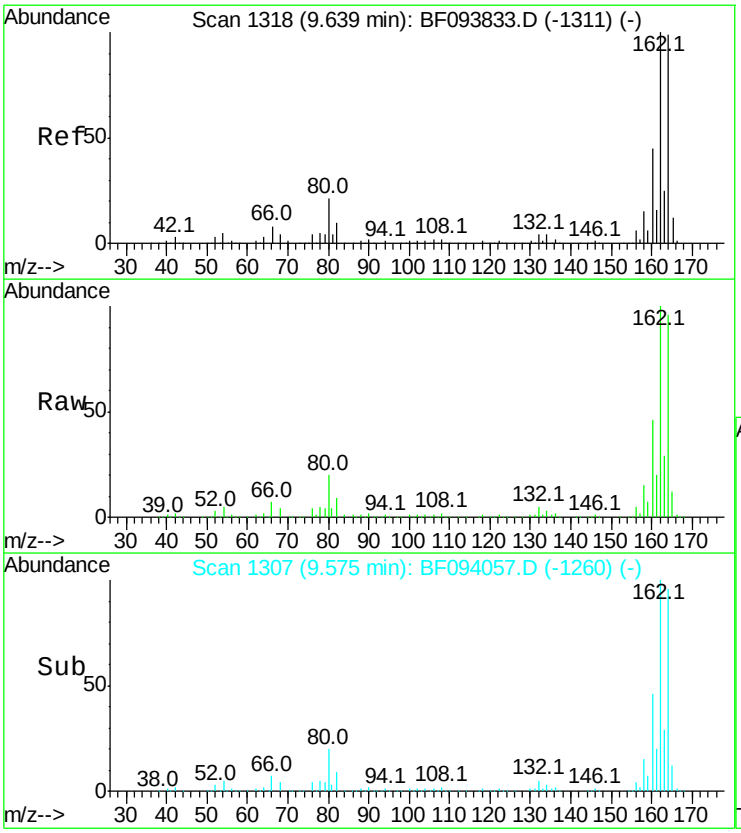
#23
Nitrobenzene-d5
Concen: 8.38 ng
RT: 6.57 min Scan# 796
Delta R.T. -0.04 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 87712

Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.0	51.0
54	47.9	42.2	63.2

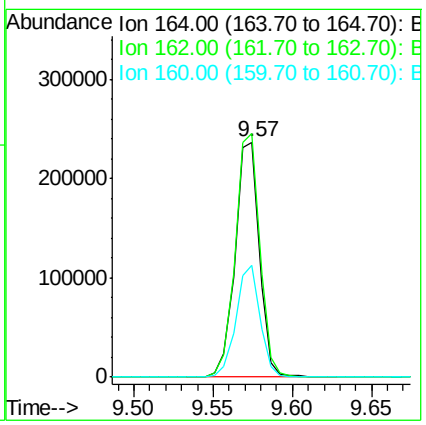


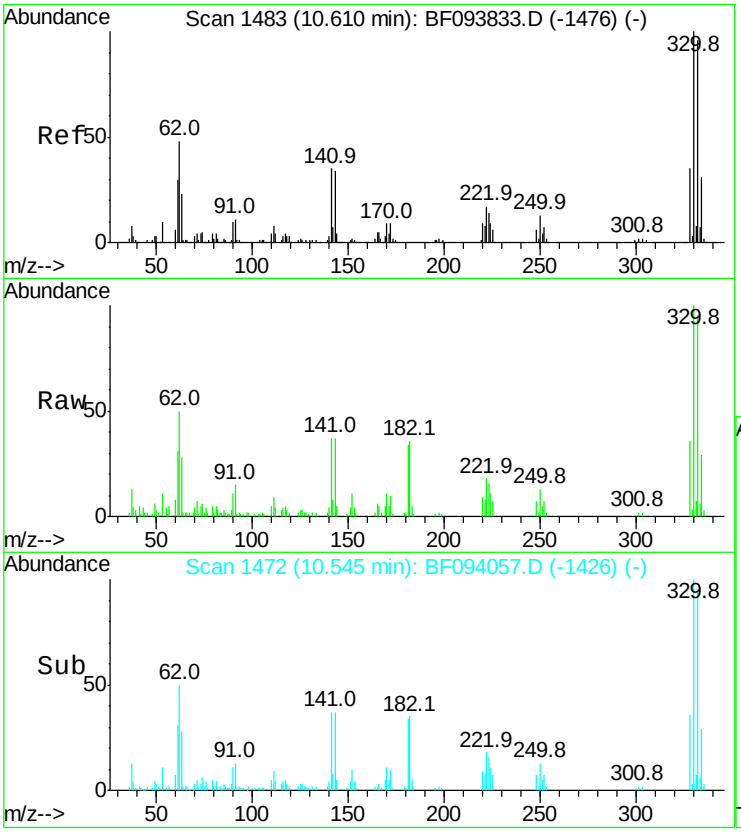


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:164 Resp: 250233

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	47.4	36.2	54.2



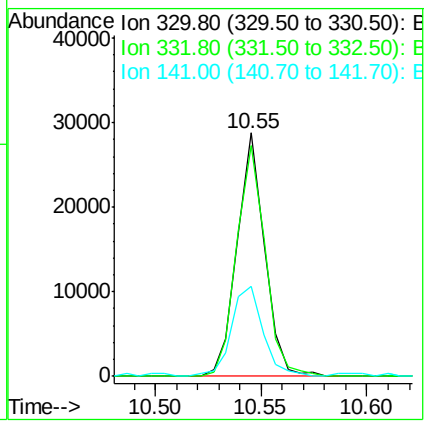


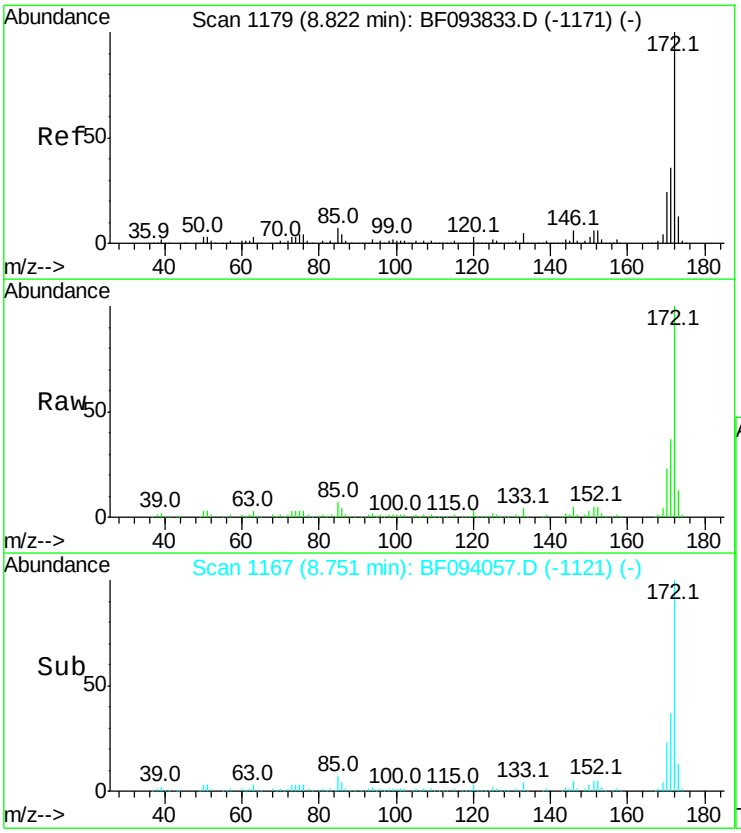
#41
2,4,6-Tribromophenol
Concen: 13.10 ng
RT: 10.55 min Scan# 1472
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 25896

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	42.6	31.4	47.2

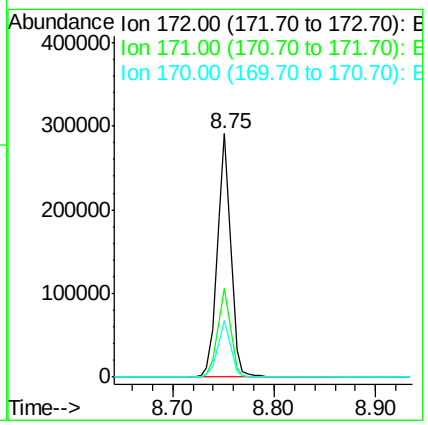


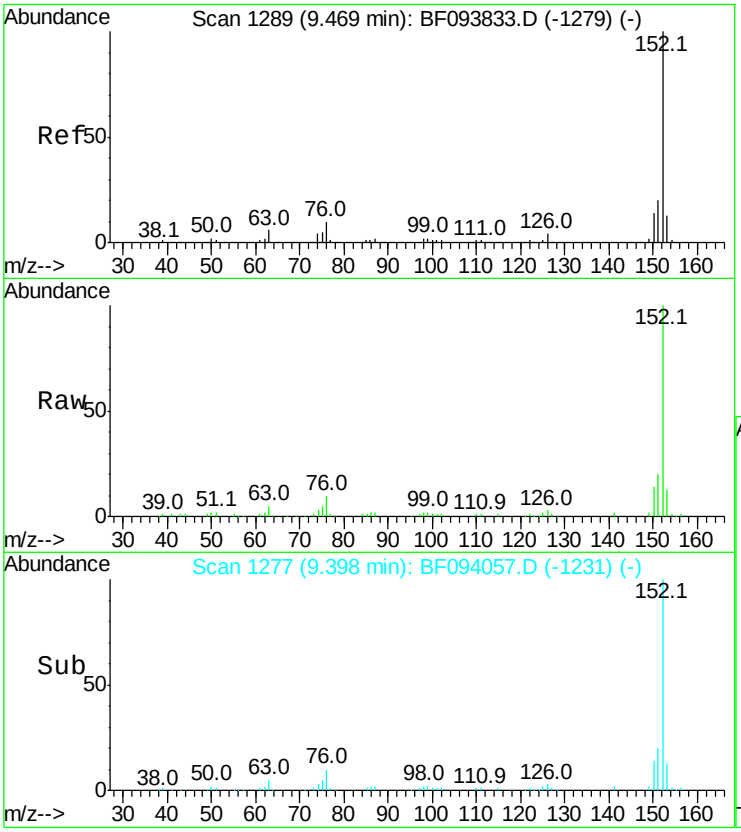


#44
2-Fluorobiphenyl
Concen: 16.45 ng
RT: 8.75 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:172 Resp: 269957

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.3	19.8	29.8



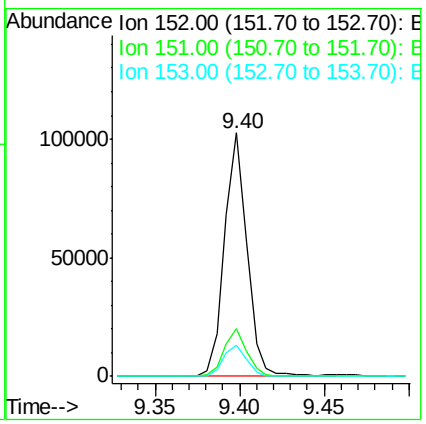


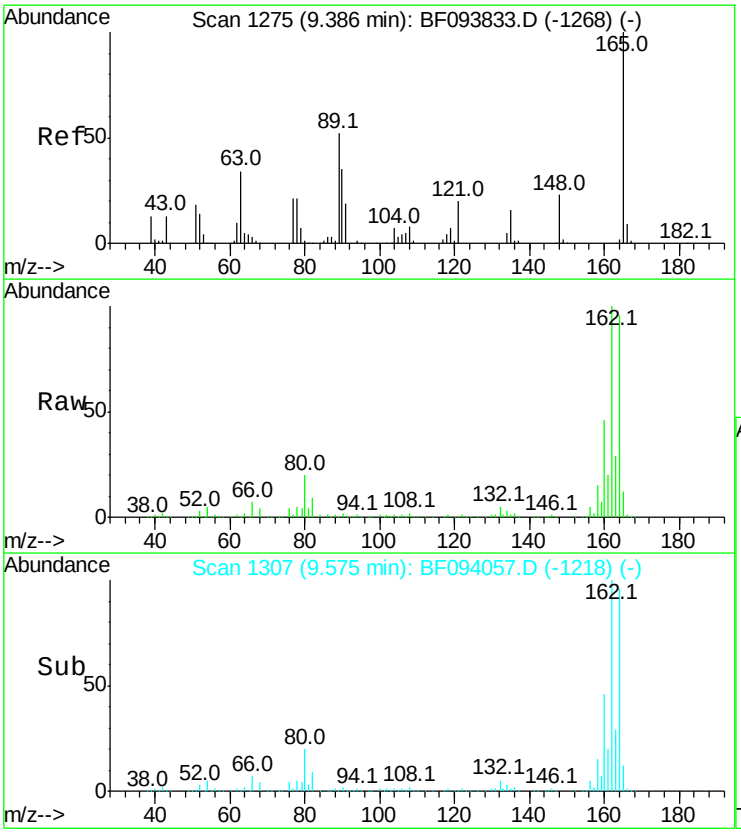
#48
Acenaphthylene
Concen: 3.63 ng
RT: 9.40 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 95344

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	12.6	10.8	16.2

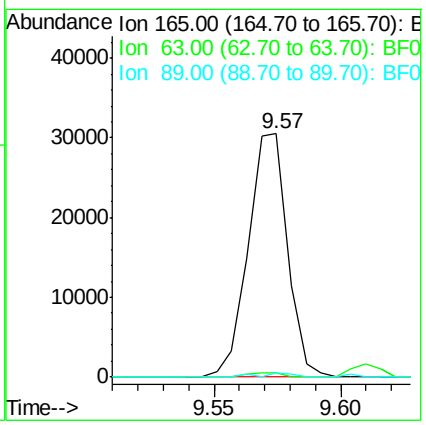


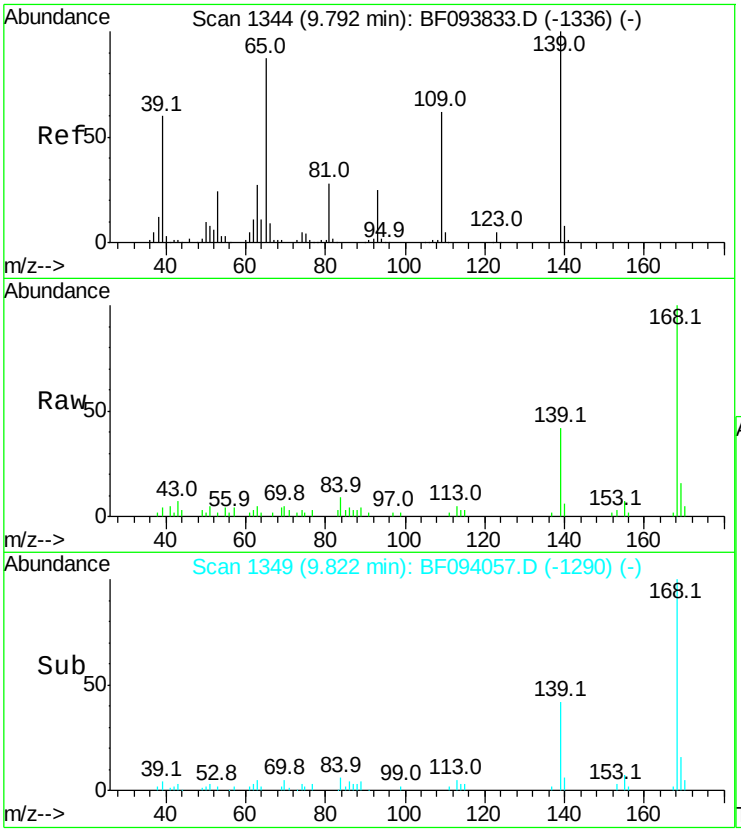


#50
2,6-Dinitrotoluene
Concen: 8.05 ng
RT: 9.57 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:165 Resp: 32805

Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.5	37.1	55.7#



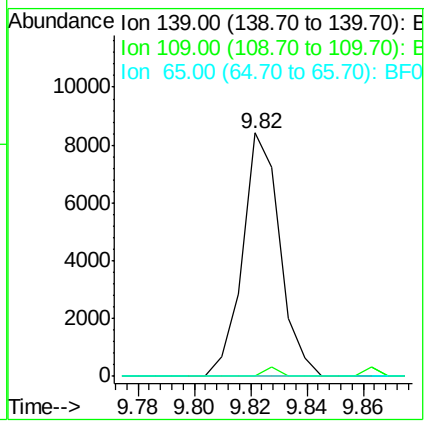


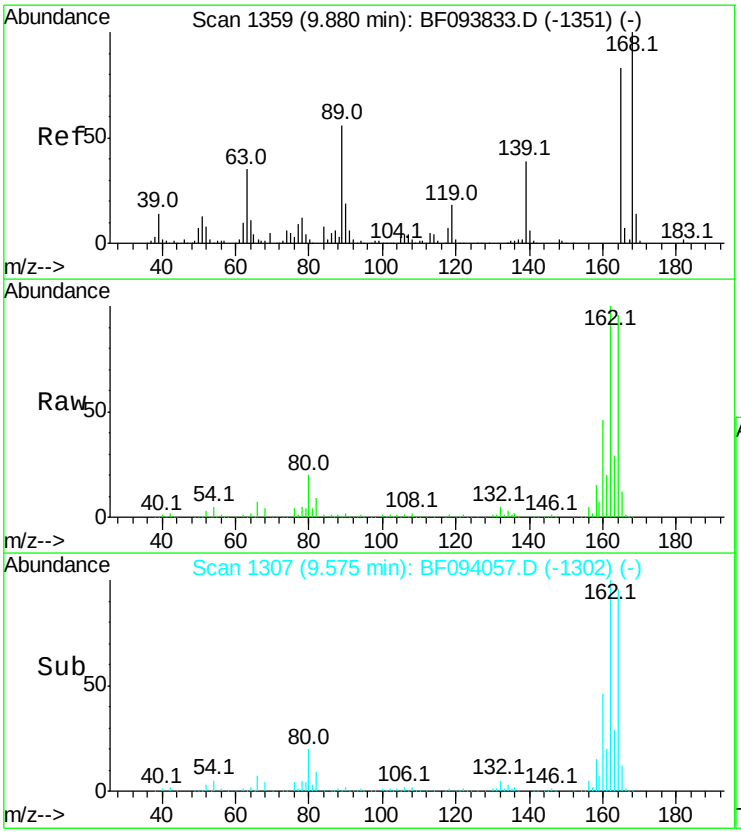
#55
4-Nitrophenol
Concen: 2.06 ng
RT: 9.82 min Scan# 1349
Delta R.T. 0.05 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 7718

Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

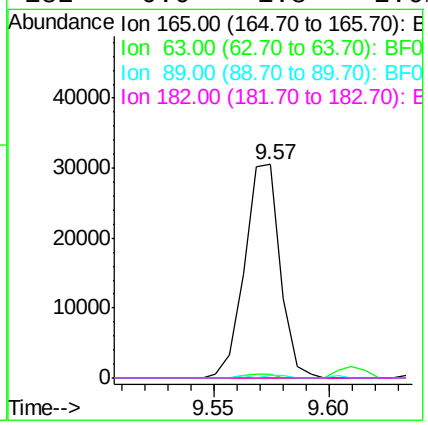


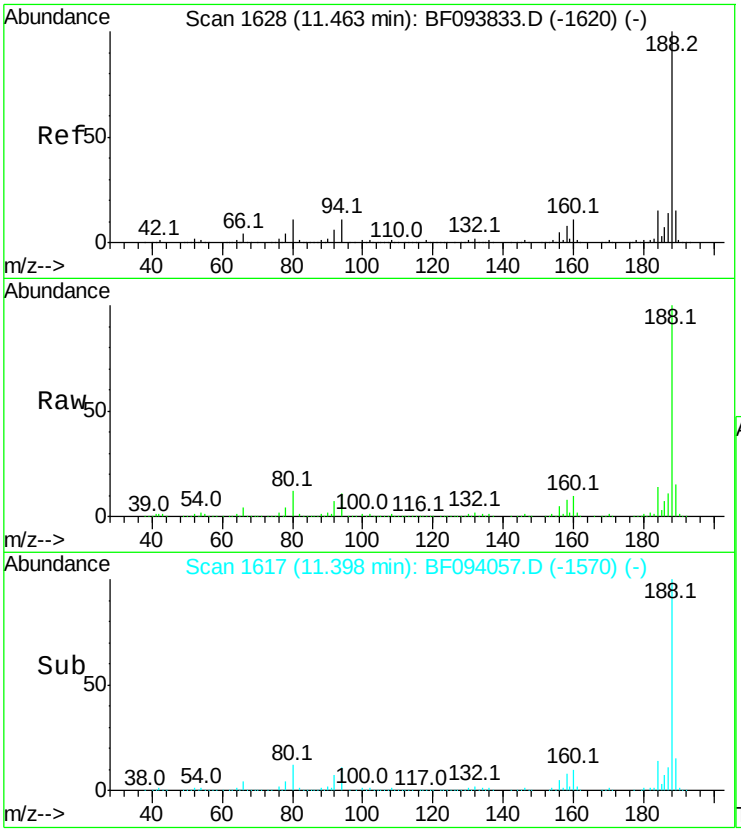


#56
2,4-Dinitrotoluene
Concen: 6.40 ng
RT: 9.57 min Scan# 1307
Delta R.T. -0.27 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:165 Resp: 32806

Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



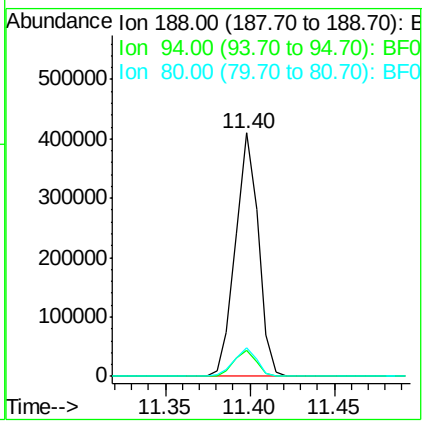


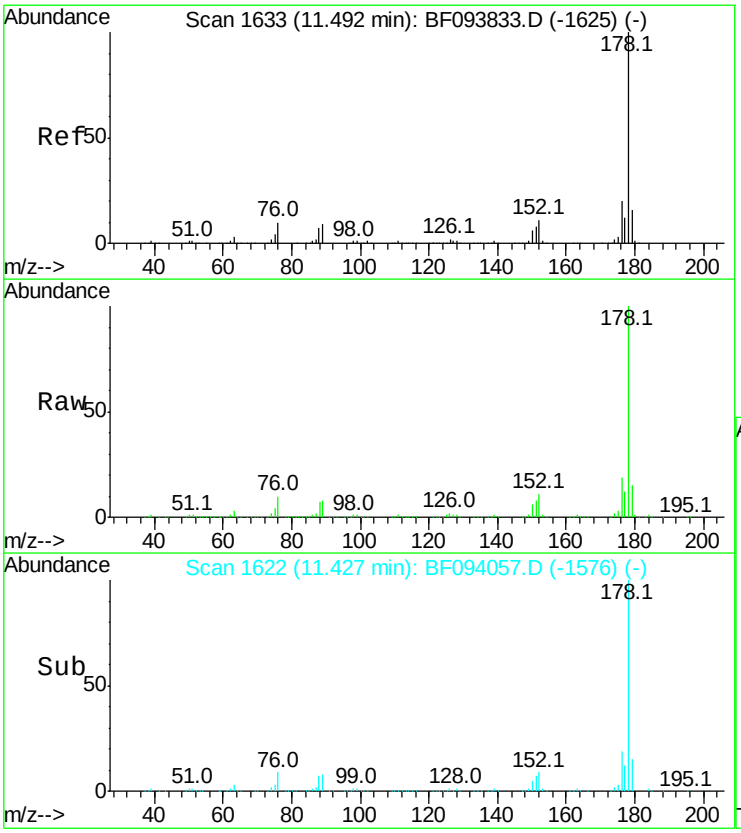
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1617
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 388000

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.5	10.2	15.2

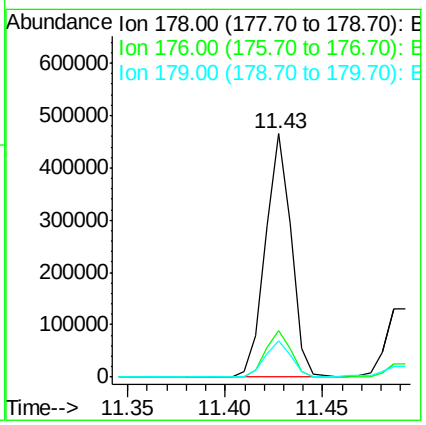


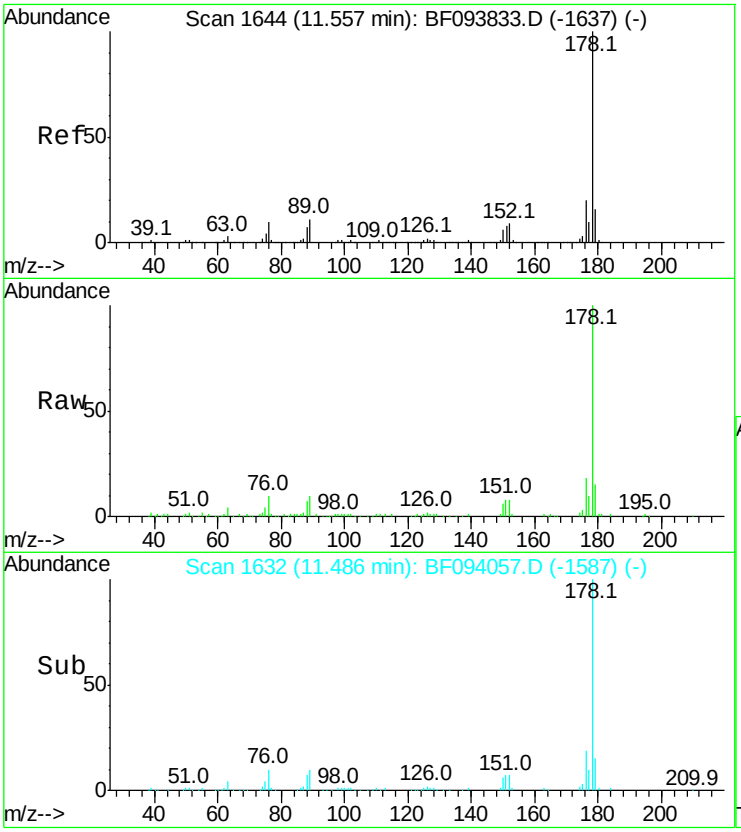


#70
Phenanthrene
Concen: 19.70 ng
RT: 11.43 min Scan# 1622
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:178 Resp: 425287

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.1	12.6	19.0



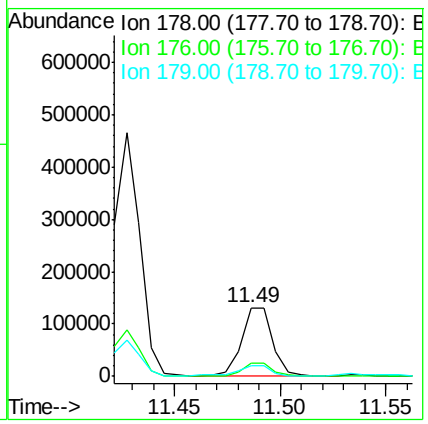


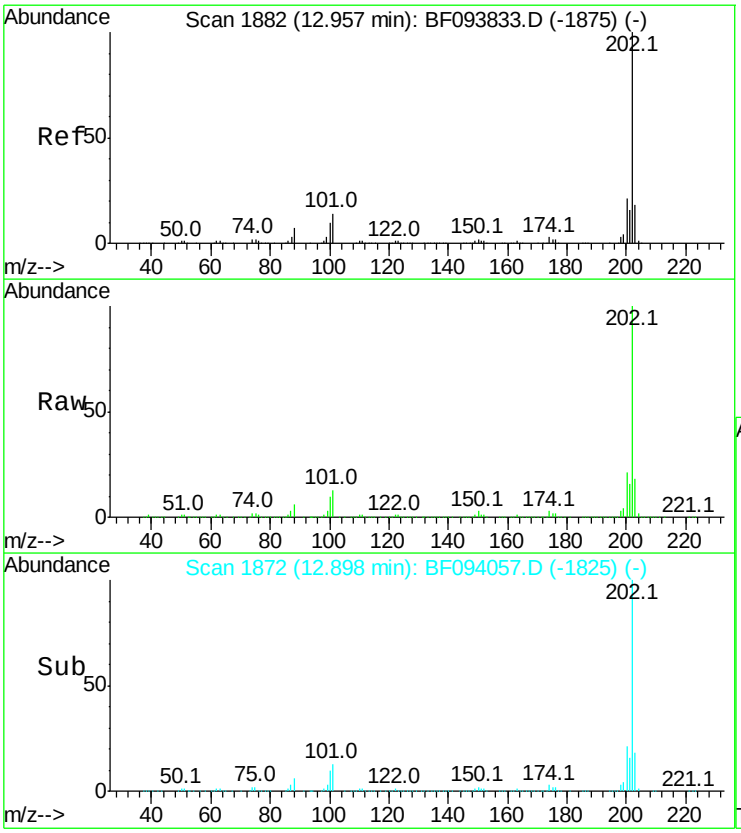
#71
Anthracene
Concen: 5.92 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.04 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 131519

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.0	12.7	19.1

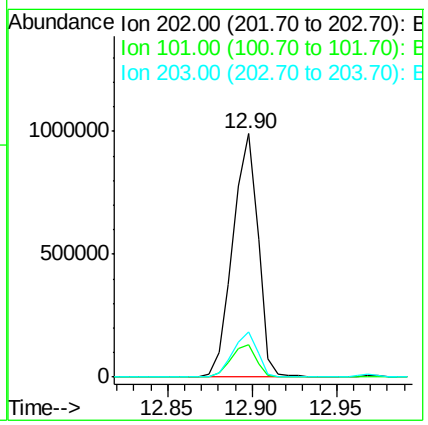


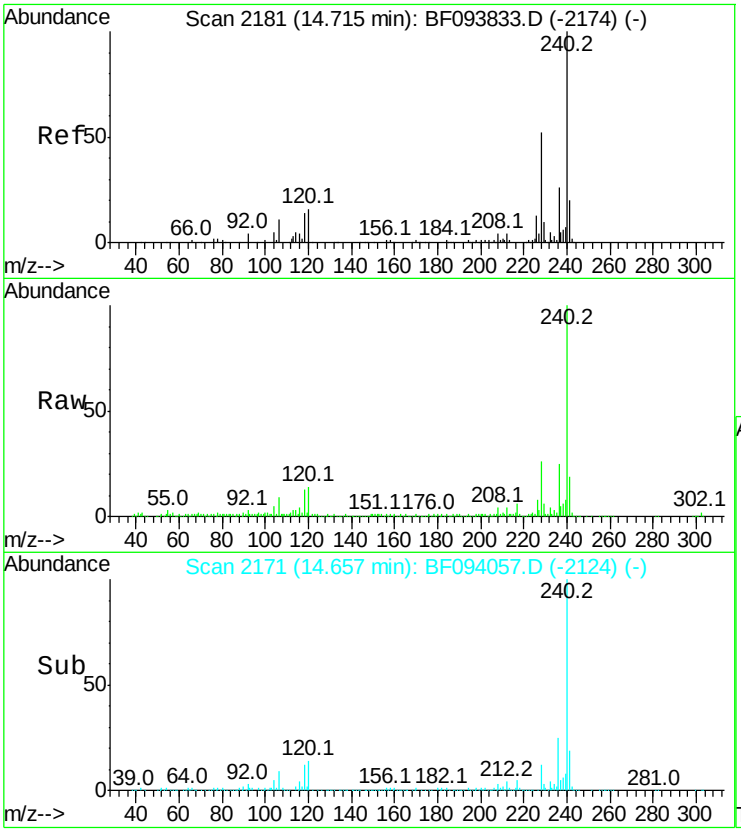


#74
Fluoranthene
Concen: 46.72 ng
RT: 12.90 min Scan# 1872
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:202 Resp: 1032626

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	18.4	0.0	38.1



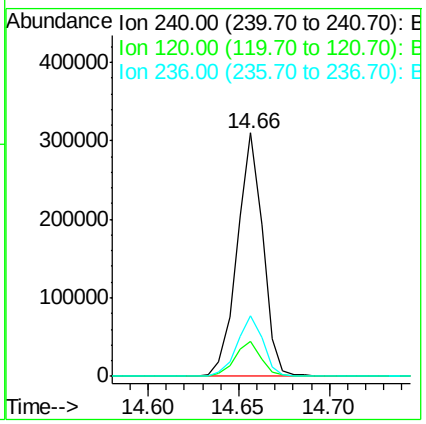


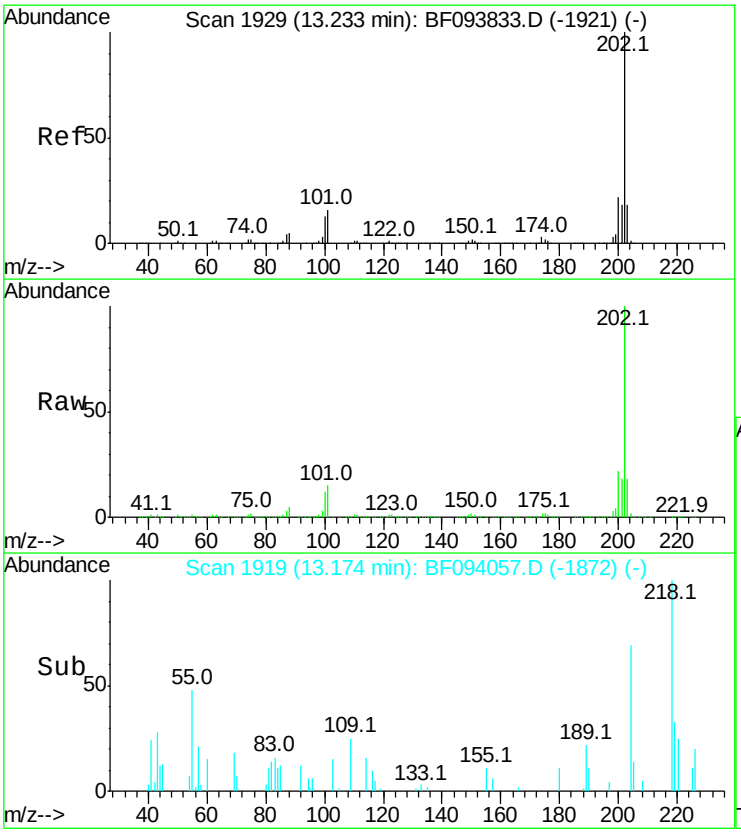
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.66 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 306325

Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	24.7	20.5	30.7

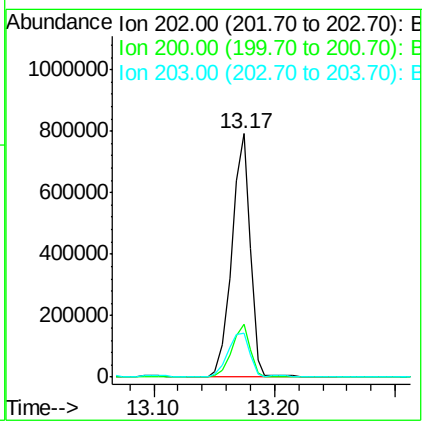


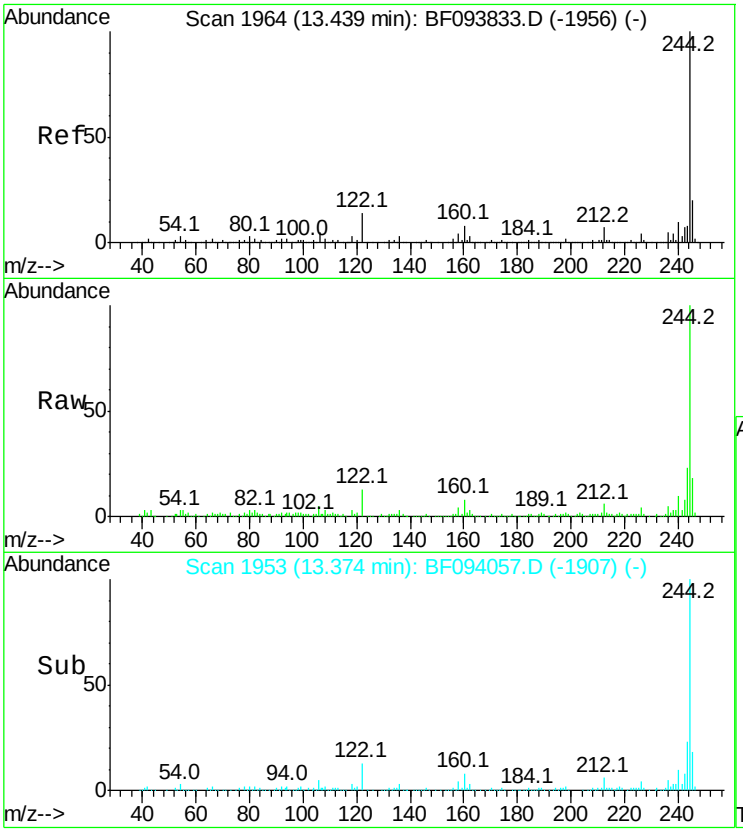


#77
Pyrene
Concen: 37.63 ng
RT: 13.17 min Scan# 1919
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:202 Resp: 836578

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.2	14.4	21.6



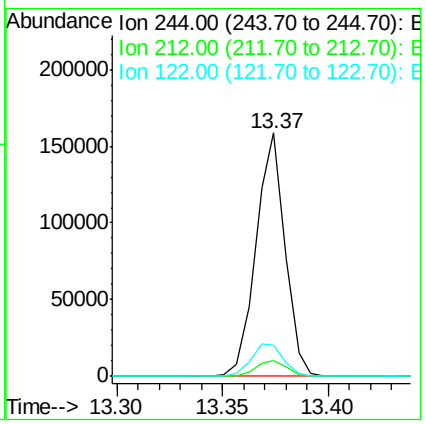


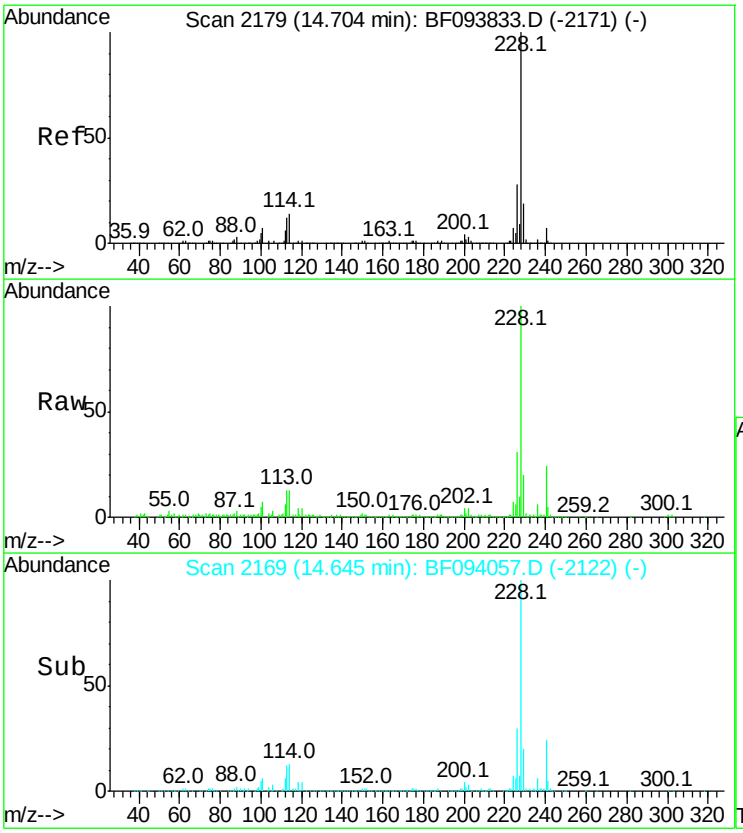
#78
Terphenyl-d14
Concen: 11.12 ng
RT: 13.37 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 152019

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	13.0	10.3	15.5

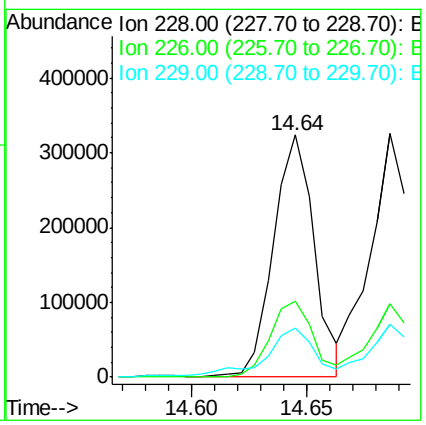


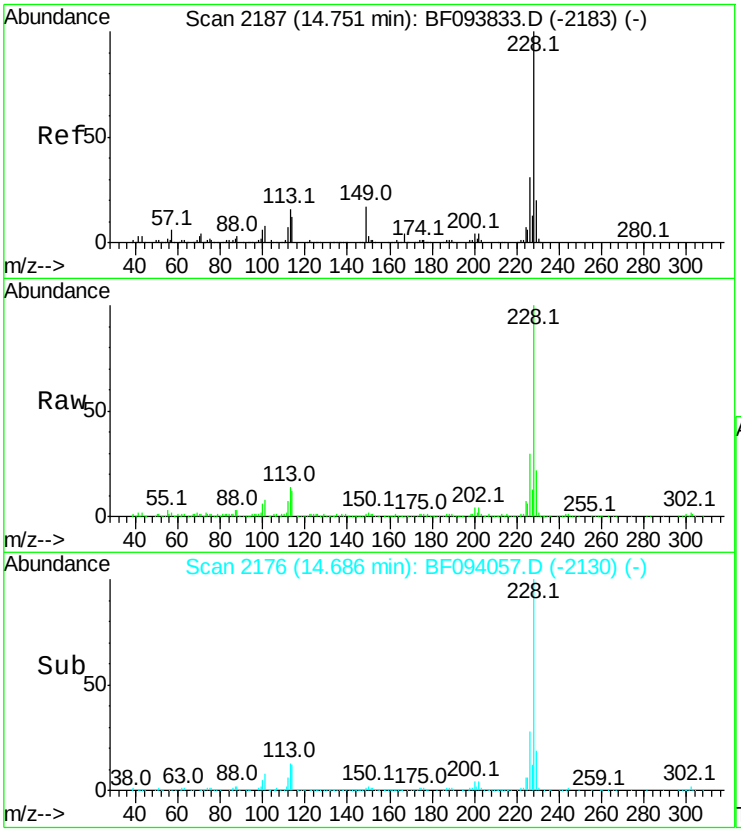


#80
Benzo(a)anthracene
Concen: 21.95 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:228 Resp: 392068

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	20.1	16.3	24.5



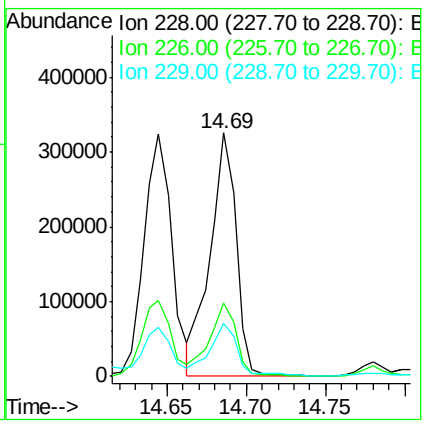


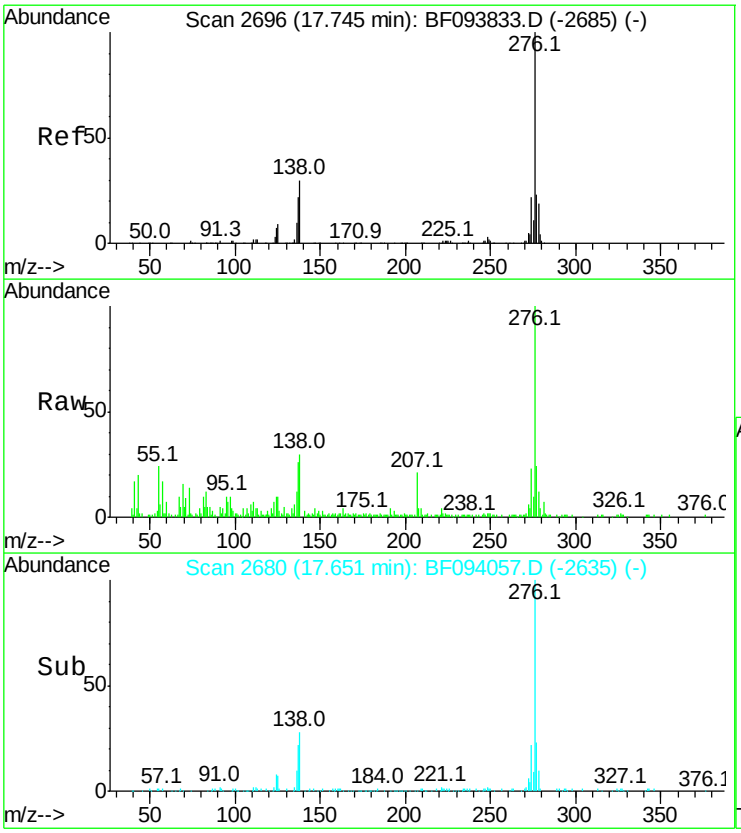
#82
Chrysene
Concen: 22.44 ng
RT: 14.69 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 371940

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.5	15.8	23.6

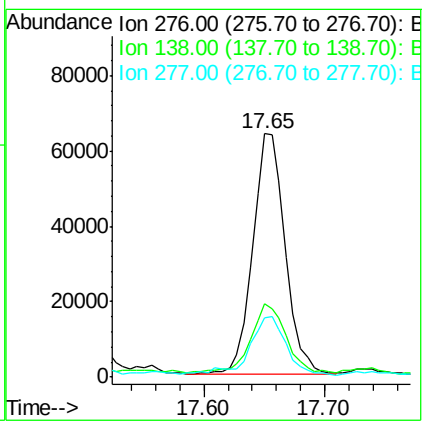


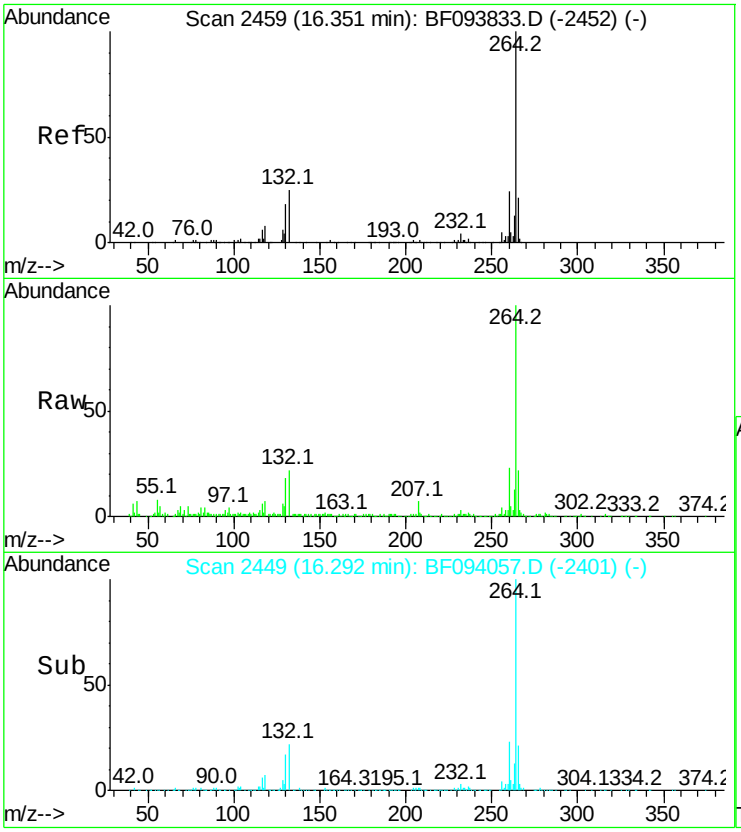


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.29 ng
RT: 17.65 min Scan# 2680
Delta R.T. -0.04 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:276 Resp: 119065

Ion	Ratio	Lower	Upper
276	100		
138	31.2	27.8	41.6
277	27.9	20.2	30.4



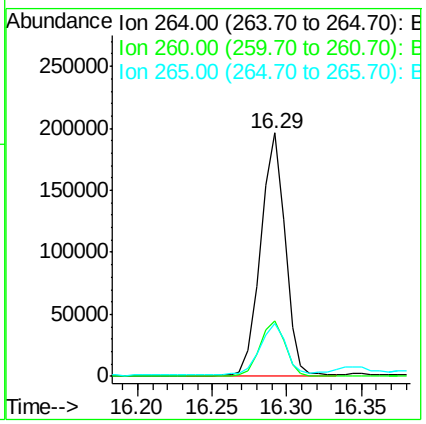


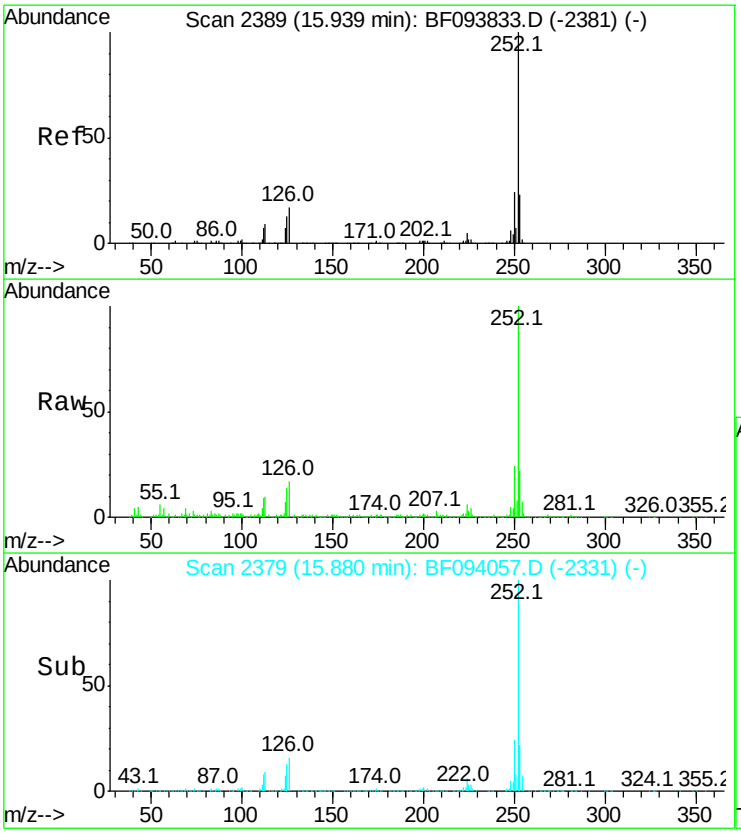
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.29 min Scan# 2449
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 221854

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.6	17.2	25.8

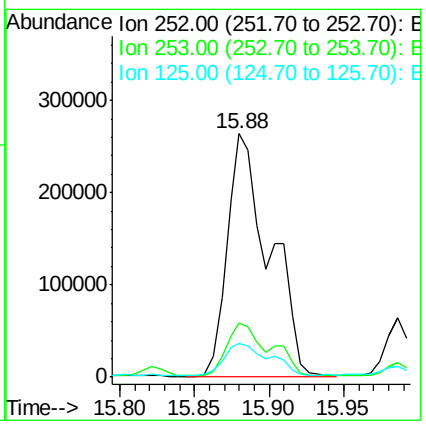


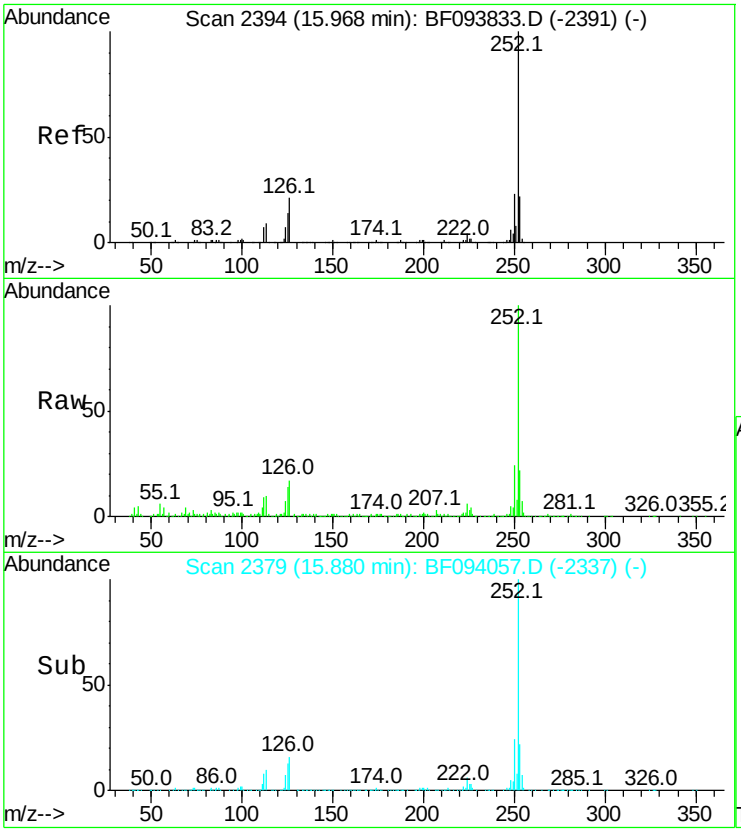


#87
Benzo(b)fluoranthene
Concen: 38.07 ng
RT: 15.88 min Scan# 2379
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:252 Resp: 517697

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.0	9.8	14.8



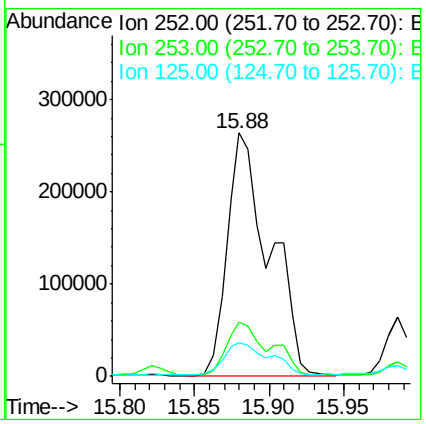


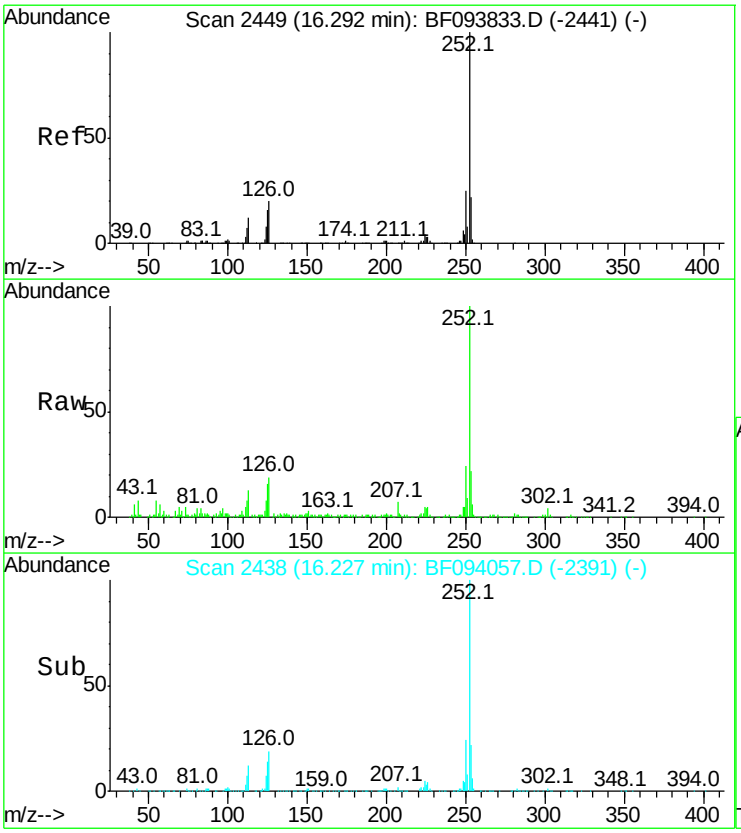
#88
Benzo(k)fluoranthene
Concen: 38.91 ng
RT: 15.88 min Scan# 2379
Delta R.T. -0.05 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 517697

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	14.0	13.1	19.7

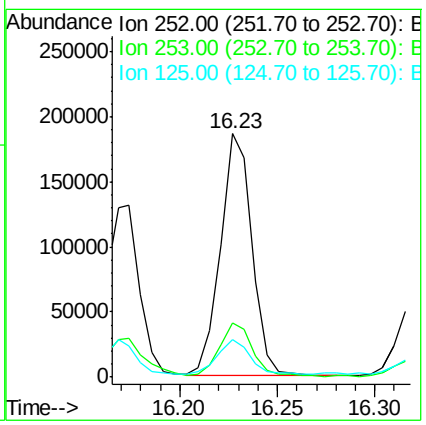


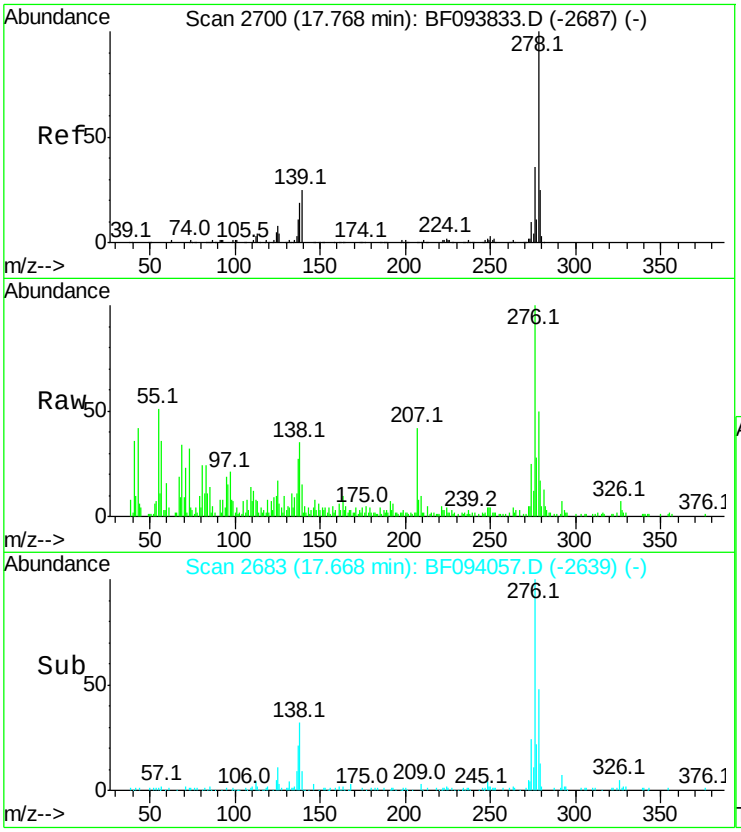


#89
Benzo(a)pyrene
Concen: 16.59 ng
RT: 16.23 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:252 Resp: 207798

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	15.6	11.0	16.4



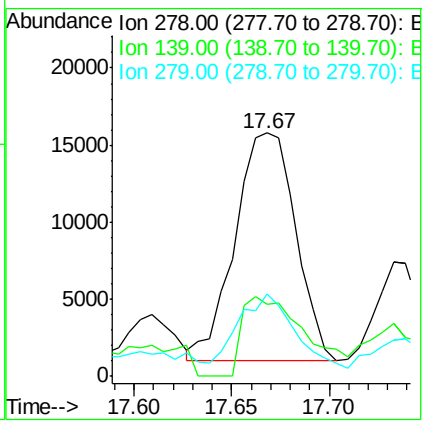


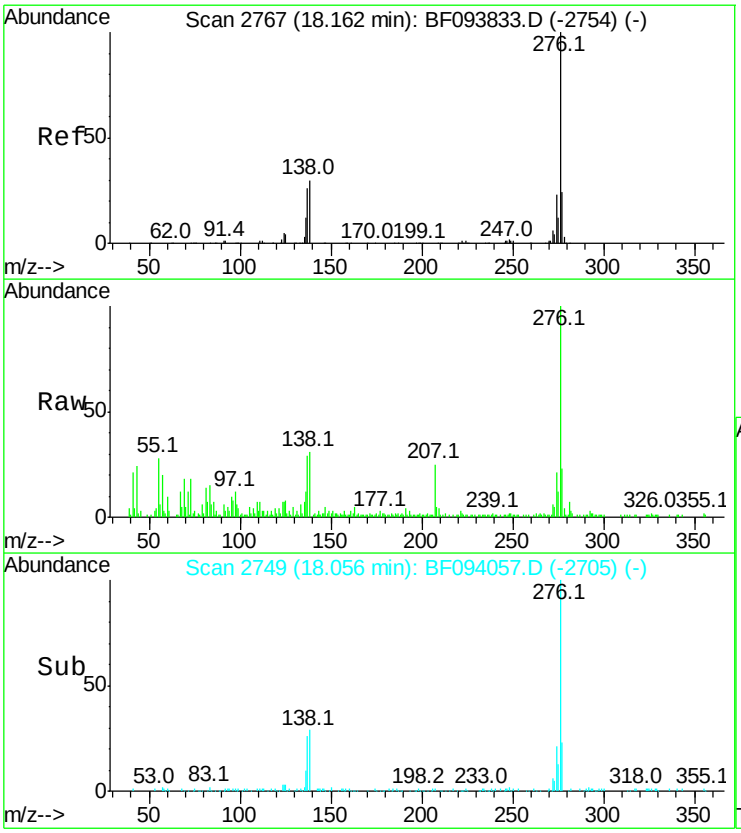
#90
Dibenzo(a,h)anthracene
Concen: 3.01 ng
RT: 17.67 min Scan# 2683
Delta R.T. -0.04 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 31898

Ion	Ratio	Lower	Upper
278	100		
139	29.7	16.6	24.8#
279	33.7	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 9.37 ng
RT: 18.06 min Scan# 2749
Delta R.T. -0.04 min
Lab File: BF094057.D
Acq: 30 Mar 2017 12:24

Tgt Ion:276 Resp: 100119

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	31.3	25.4	38.0