Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
Data File : BF093970.D
Acq On : 28 Mar 2017 4:16
Operator : SJ/MA
Sample : I2413-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Mar 28 04:46:17 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	5.95	152	180757	20.00	ng		0.00
21) Naphthalene-d8	7.45	136	649772	20.00	ng		0.00
38) Acenaphthene-d10	9.59	164	328322	20.00	ng		-0.01
63) Phenanthrene-d10	11.41	188	550572	20.00	ng		-0.01
75) Chrysene-d12	14.66	240	361955	20.00	ng		-0.02
86) Perylene-d12	16.30	264	322280	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.49	112	344526	32.19	ng		0.01
7) Phenol-d6	5.55	99	1268977	95.85	ng		0.00
23) Nitrobenzene-d5	6.60	82	691936	60.77	ng		0.00
41) 2,4,6-Tribromophenol	10.56	330	240124	92.55	ng		-0.02
44) 2-Fluorobiphenyl	8.77	172	1311452	60.93	ng		-0.01
78) Terphenyl-d14	13.39	244	897867	55.60	ng		-0.02
Target Compounds							Qvalue
4) n-Nitrosodimethylamine	2.82	42	21500	3.73	ng	#	1
9) Benzaldehyde	5.44	77	637728	71.34	ng	#	1
18) Hexachloroethane	6.52	117	121837	25.94	ng	#	1
19) n-Nitroso-di-n-propylamine	6.42	70	20701	2.43	ng	#	45
22) Acetophenone	6.41	105	1145995	79.13	ng	#	49
24) Nitrobenzene	6.62	77	48772	4.34	ng	#	7
31) Naphthalene	7.48	128	2622580	83.94	ng		98
35) Caprolactam	8.00	113	14898	5.41	ng	#	1
37) 2-Methylnaphthalene	8.32	142	1912926	91.85	ng		100
49) Dimethylphthalate	9.26	163	102398	4.39	ng	#	99
51) Acenaphthene	9.62	154	209806	10.44	ng		97
54) Dibenzofuran	9.83	168	173944	6.36	ng		98
57) Fluorene	10.26	166	235479	10.38	ng		98
70) Phenanthrene	11.44	178	794120	25.93	ng		98
71) Anthracene	11.50	178	123173	3.91	ng		97
74) Fluoranthene	12.90	202	653438	20.84	ng		98
77) Pyrene	13.18	202	572592	21.80	ng		99
80) Benzo(a)anthracene	14.65	228	164908	7.81	ng		98
82) Chrysene	14.69	228	193438	9.88	ng		97
85) Indeno(1,2,3-cd)pyrene	17.66	276	96267	5.67	ng		95
87) Benzo(b)fluoranthene	15.89	252	284603	14.41	ng	#	96
88) Benzo(k)fluoranthene	15.89	252	284603	14.72	ng		98
89) Benzo(a)pyrene	16.23	252	141616	7.78	ng	#	94
91) Benzo(g,h,i)perylene	18.07	276	95968	6.18	ng		96

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

Quantitation Report (Not Reviewed)

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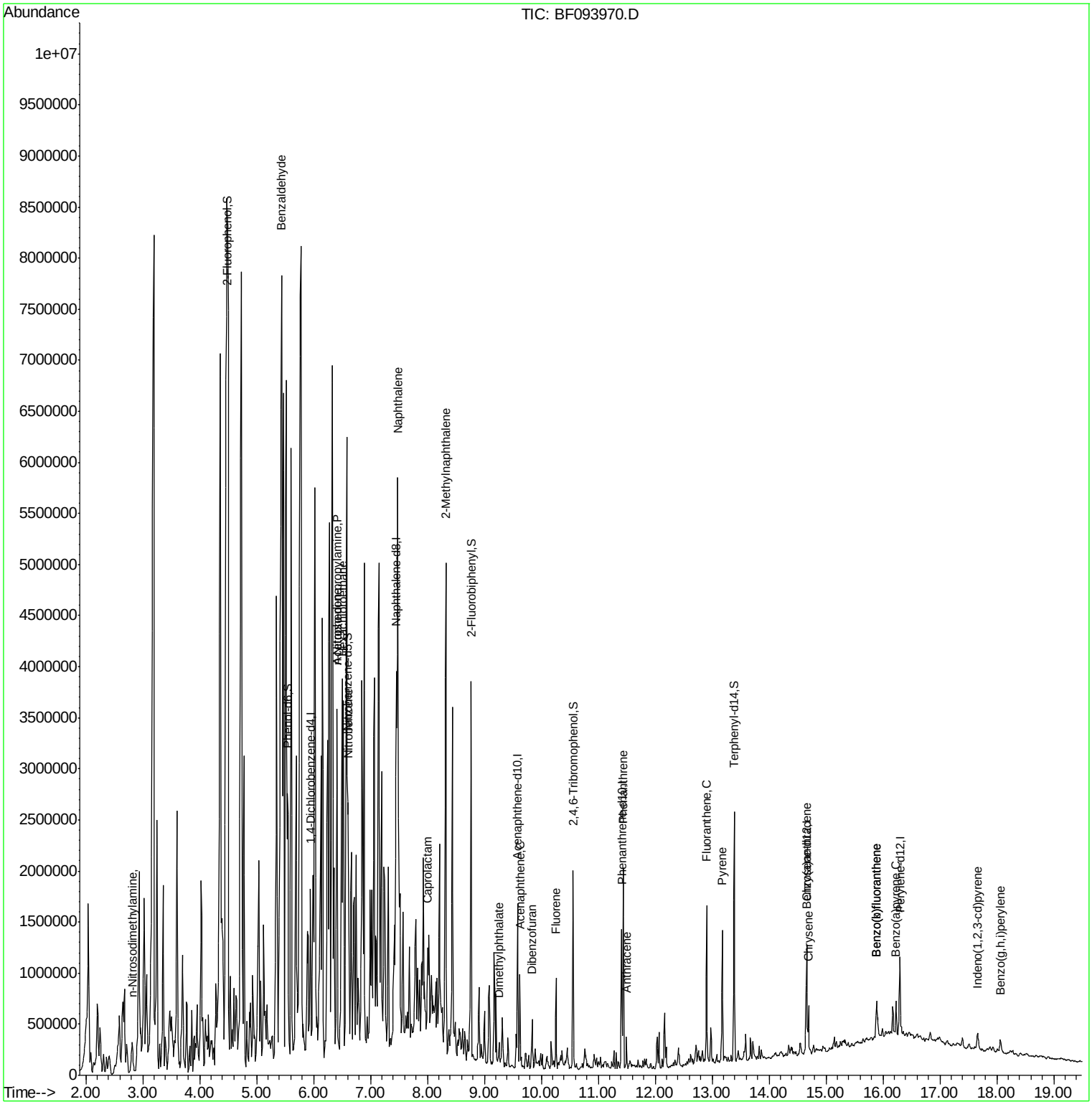
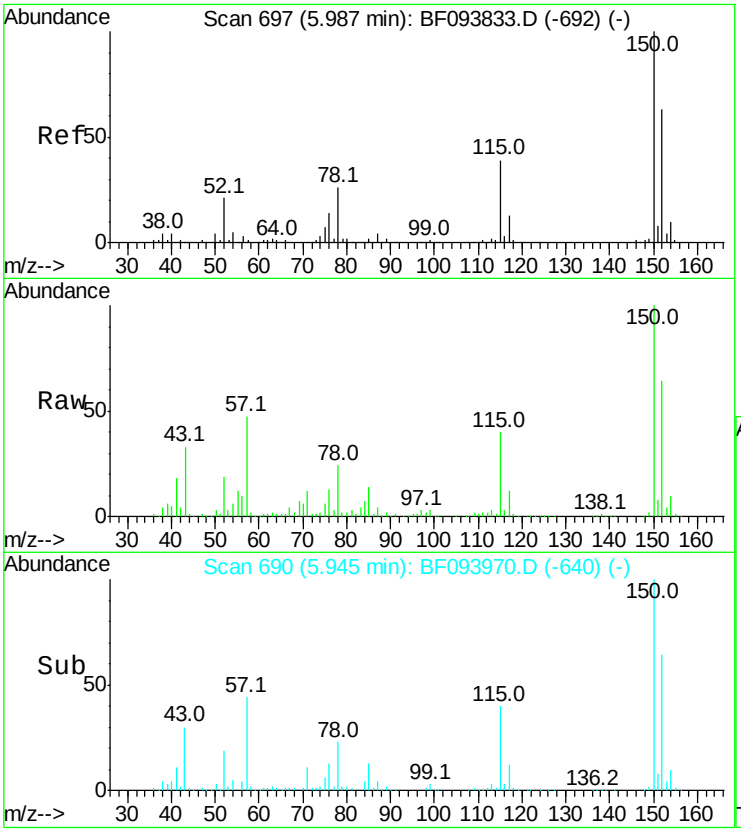


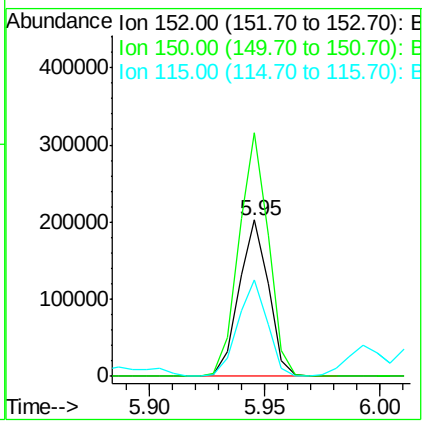


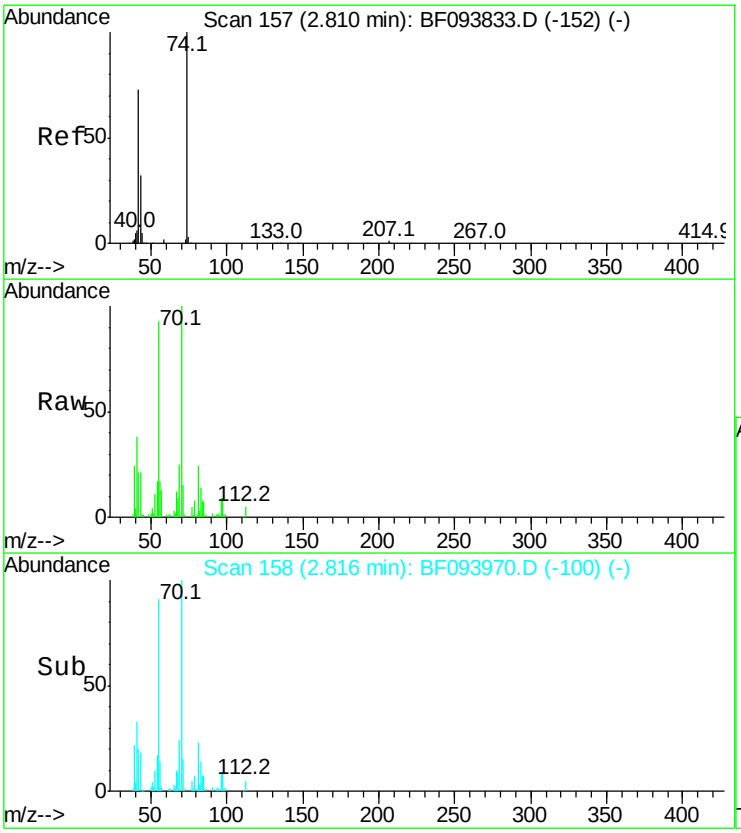
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.95 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 180757

Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	62.1	52.2	78.2

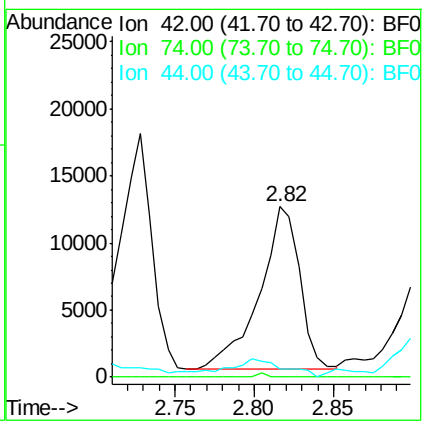


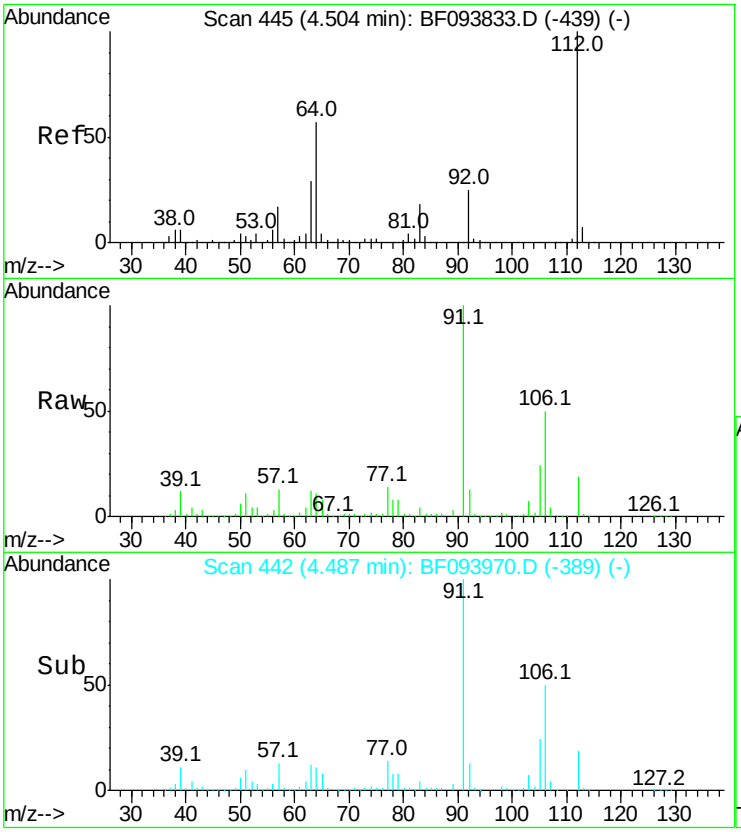


#4
n-Nitrosodimethylamine
Concen: 3.73 ng
RT: 2.82 min Scan# 158
Delta R.T. 0.04 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion: 42 Resp: 21500

Ion	Ratio	Lower	Upper
42	100		
74	0.0	103.9	155.9#
44	4.7	5.7	8.5#



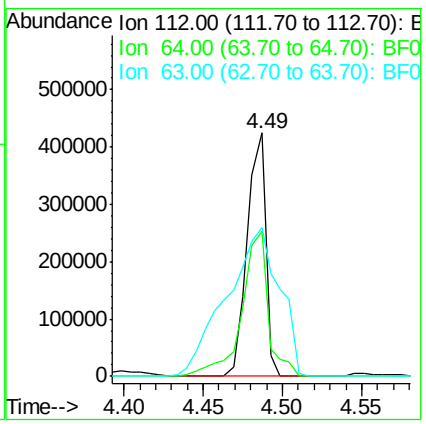


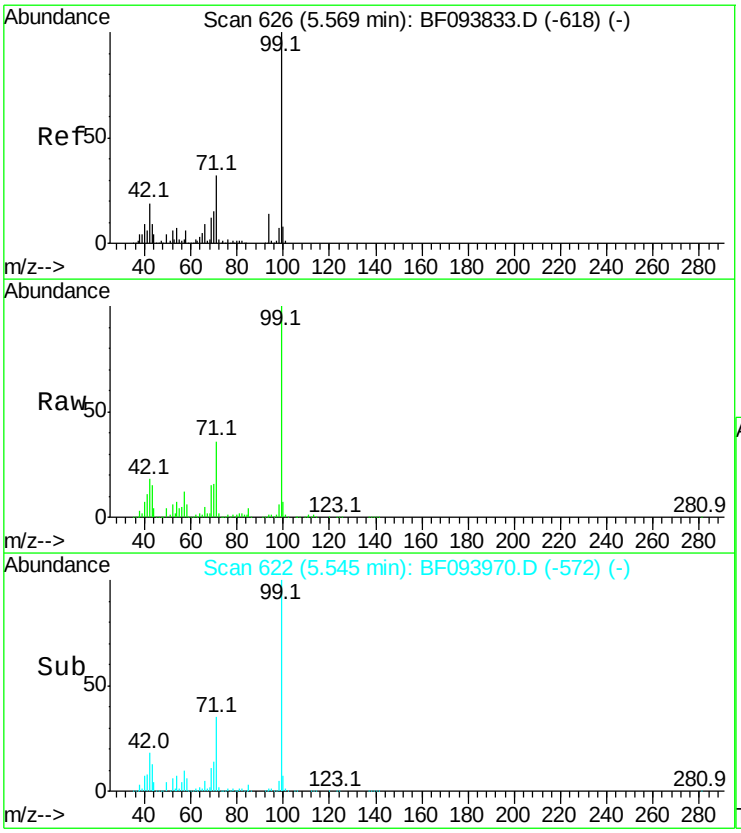
#5
2-Fluorophenol
Concen: 32.19 ng
RT: 4.49 min Scan# 442
Delta R.T. 0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:112 Resp: 344526

Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.0	69.0
63	61.4	23.4	35.0#

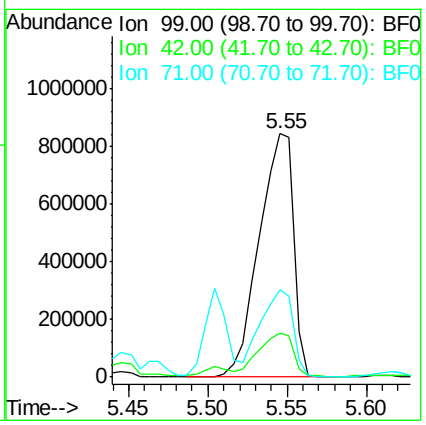


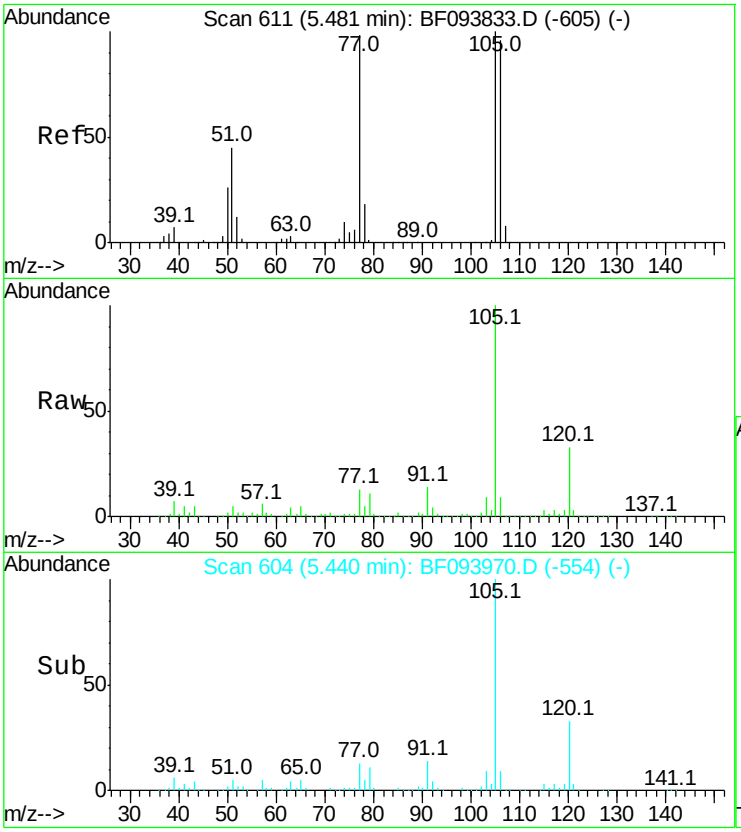


#7
Phenol-d6
Concen: 95.85 ng
RT: 5.55 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion: 99 Resp: 1268977

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.5	20.3
71	35.7	24.5	36.7



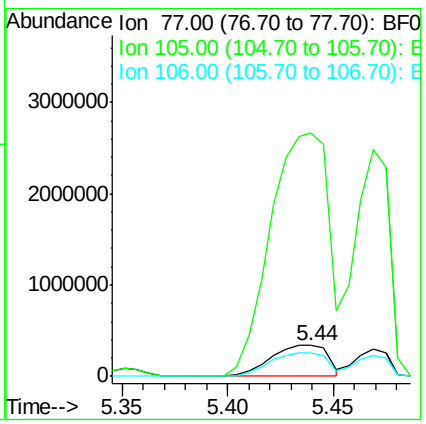


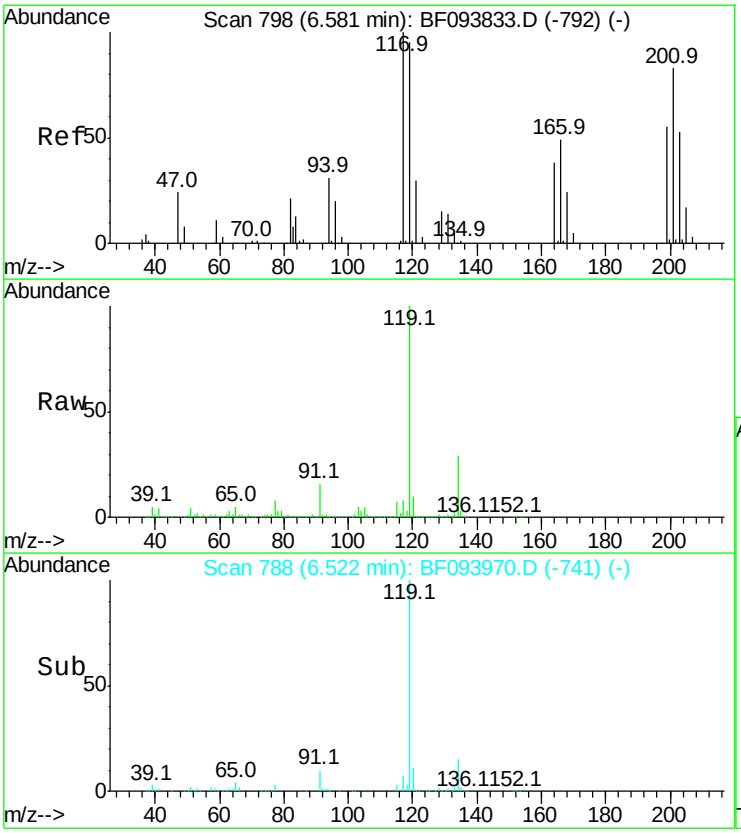
#9
Benzaldehyde
Concen: 71.34 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 77 Resp: 637728

Ion	Ratio	Lower	Upper
77	100		
105	783.0	83.8	123.8#
106	73.7	79.1	119.1#

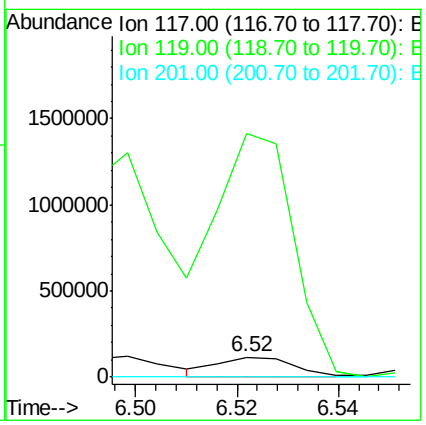


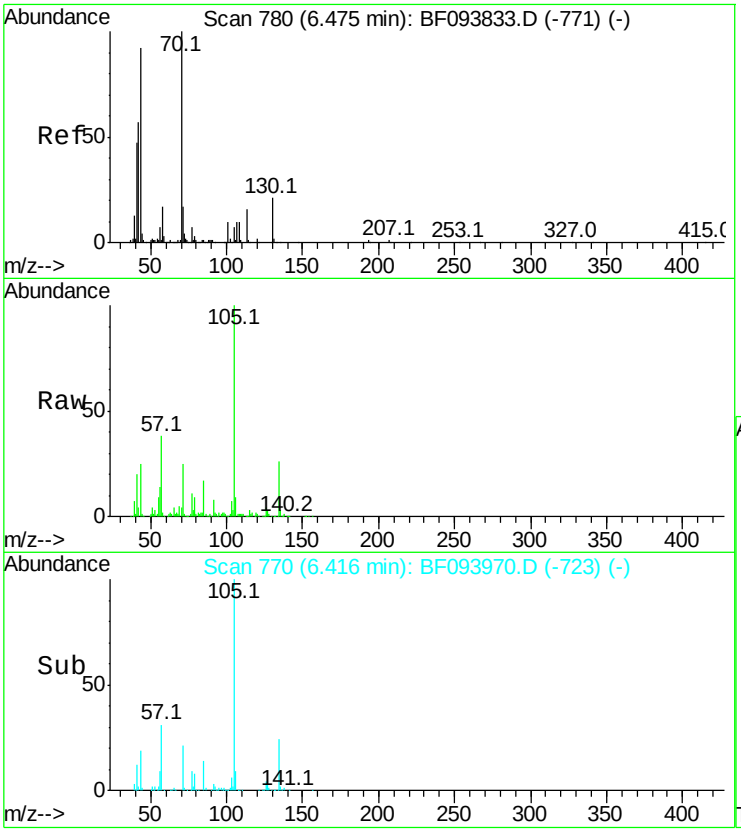


#18
Hexachloroethane
Concen: 25.94 ng
RT: 6.52 min Scan# 788
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:117 Resp: 121837

Ion	Ratio	Lower	Upper
117	100		
119	1230.9	77.4	116.0#
201	0.0	94.6	141.8#



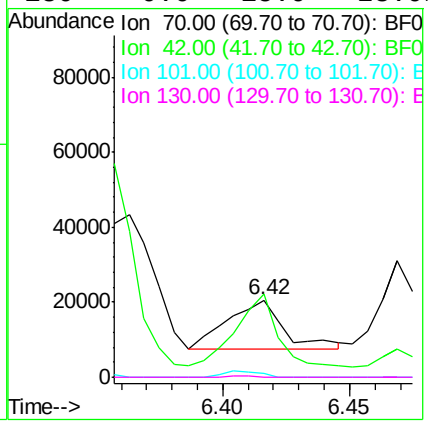


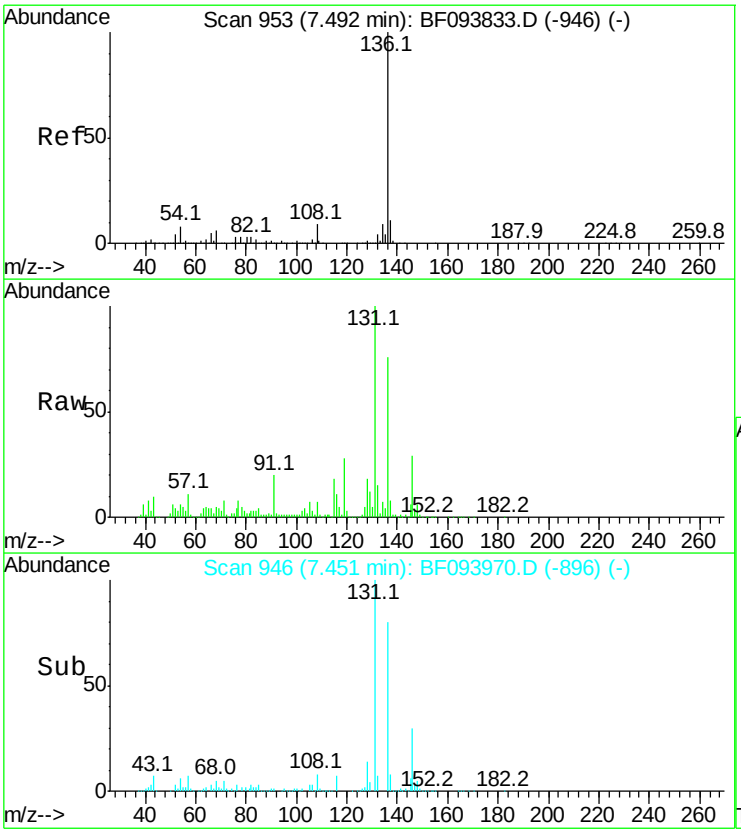
#19
n-Nitroso-di-n-propylamine
Concen: 2.43 ng
RT: 6.42 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 70 Resp: 20701

Ion	Ratio	Lower	Upper
70	100		
42	108.5	47.2	70.8#
101	5.5	7.2	10.8#
130	0.0	15.9	23.9#

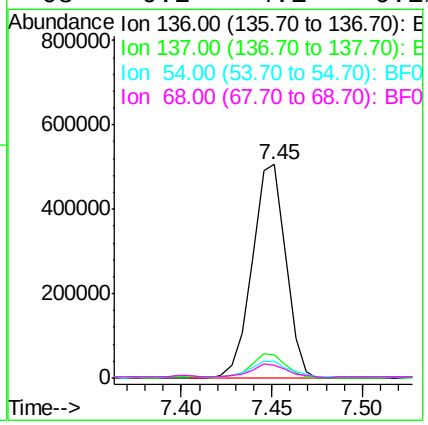


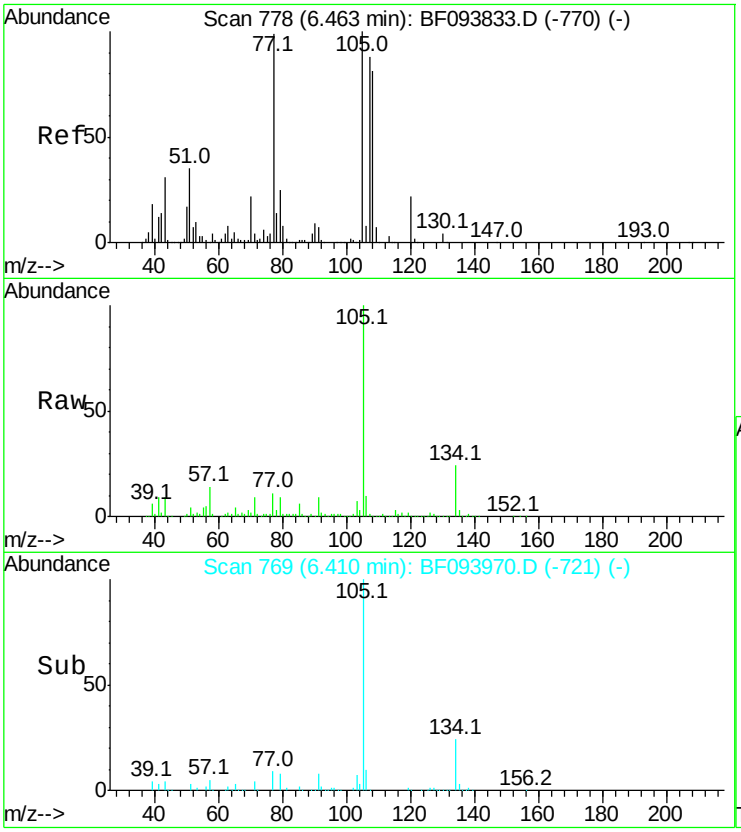


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:136 Resp: 649772

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.8	4.9	7.3#
68	6.2	4.1	6.1#



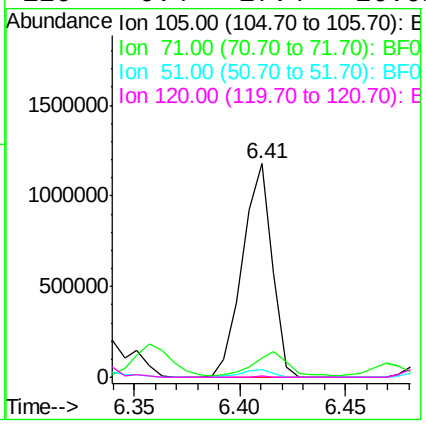


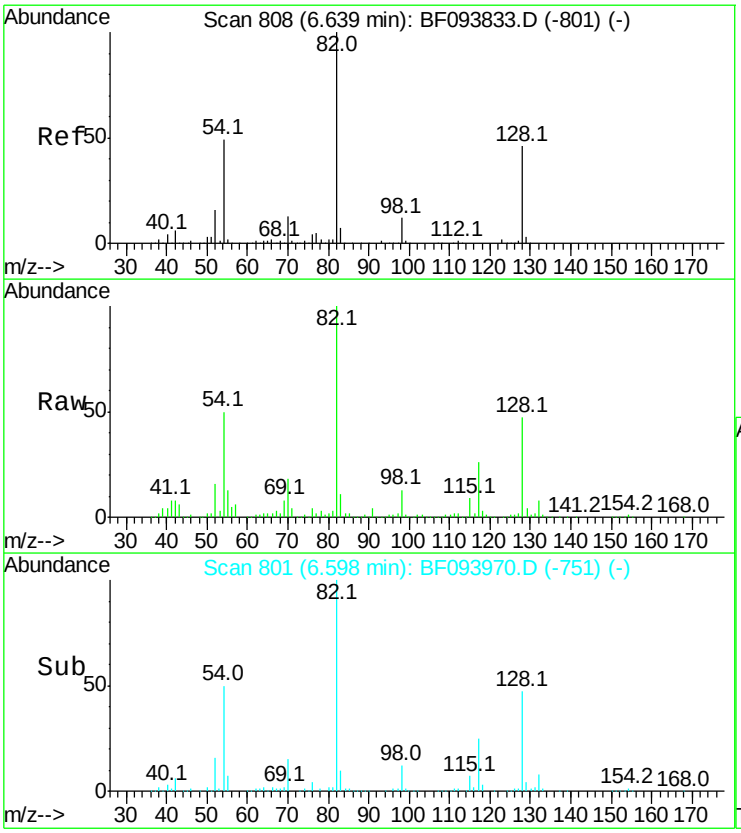
#22
Acetophenone
Concen: 79.13 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:105 Resp: 1145995

Ion	Ratio	Lower	Upper
105	100		
71	8.8	2.8	4.2#
51	3.7	30.7	46.1#
120	0.4	17.4	26.0#

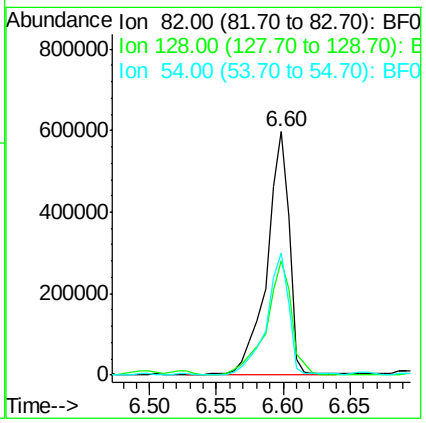


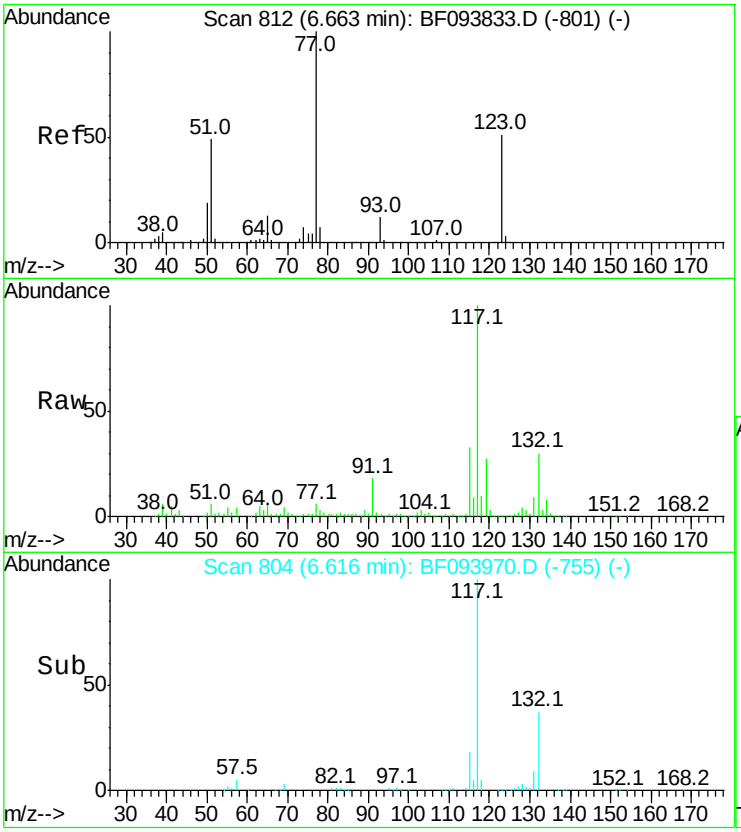


#23
Nitrobenzene-d5
Concen: 60.77 ng
RT: 6.60 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion: 82 Resp: 691936

Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	50.0	42.2	63.2

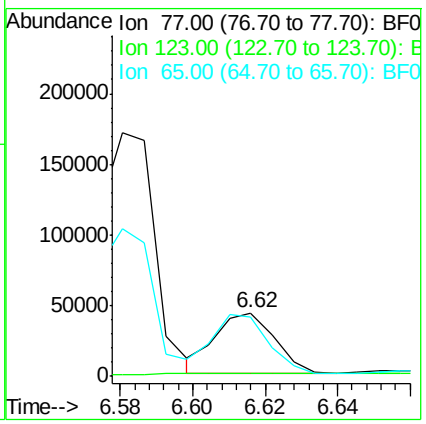




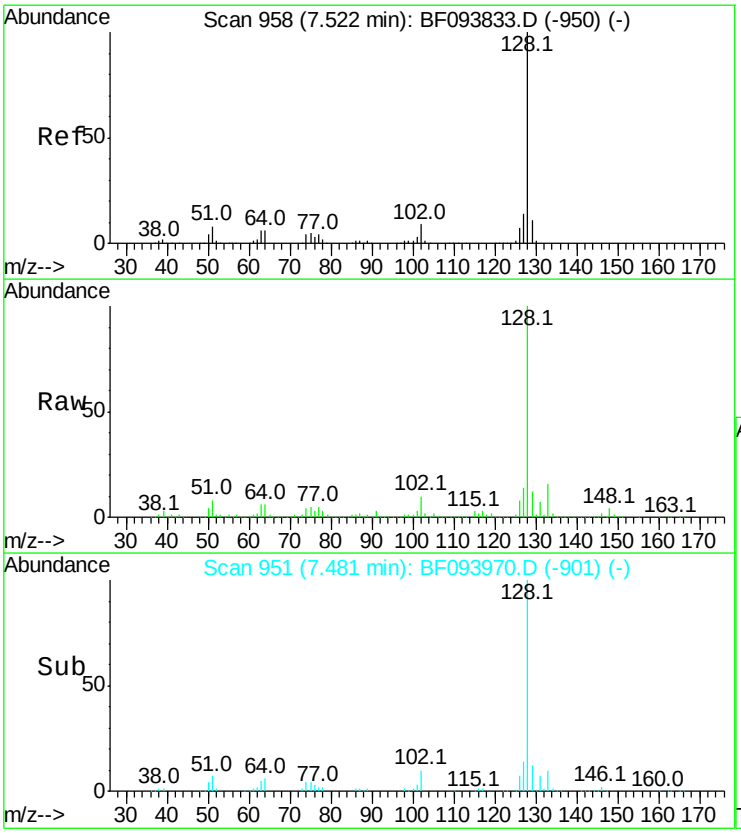
#24
Nitrobenzene
Concen: 4.34 ng
RT: 6.62 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion: 77 Resp: 48772

Ion	Ratio	Lower	Upper
77	100		
123	4.8	35.8	53.8#
65	92.9	10.6	15.8#



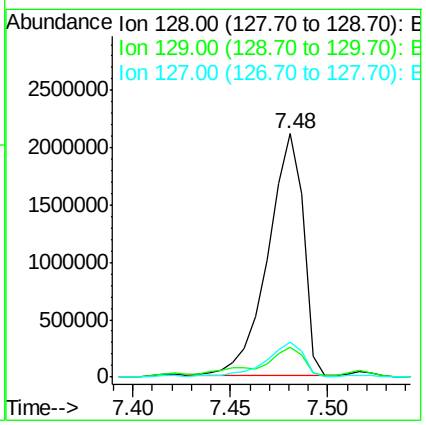
Instrument :
BNA_G
ClientSampleId :

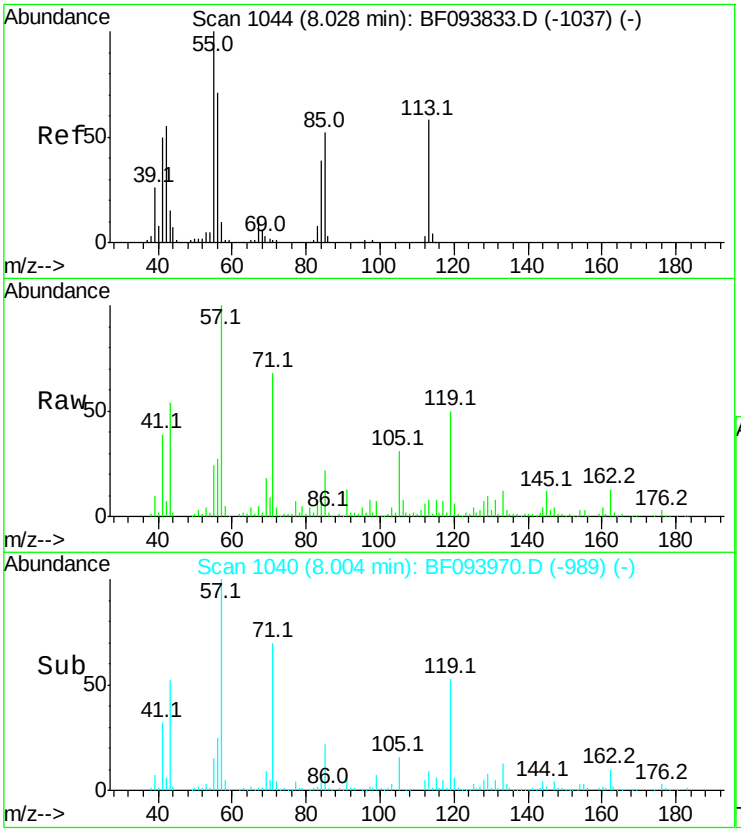


#31
Naphthalene
Concen: 83.94 ng
RT: 7.48 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:128 Resp: 2622580

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	14.3	10.8	16.2



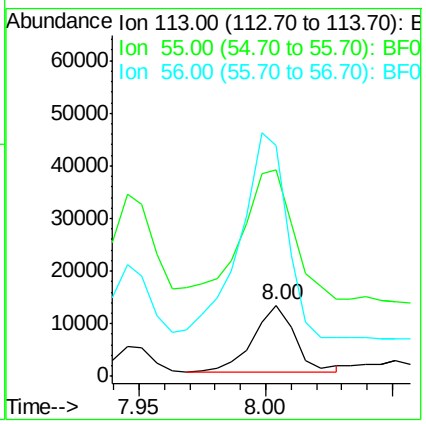


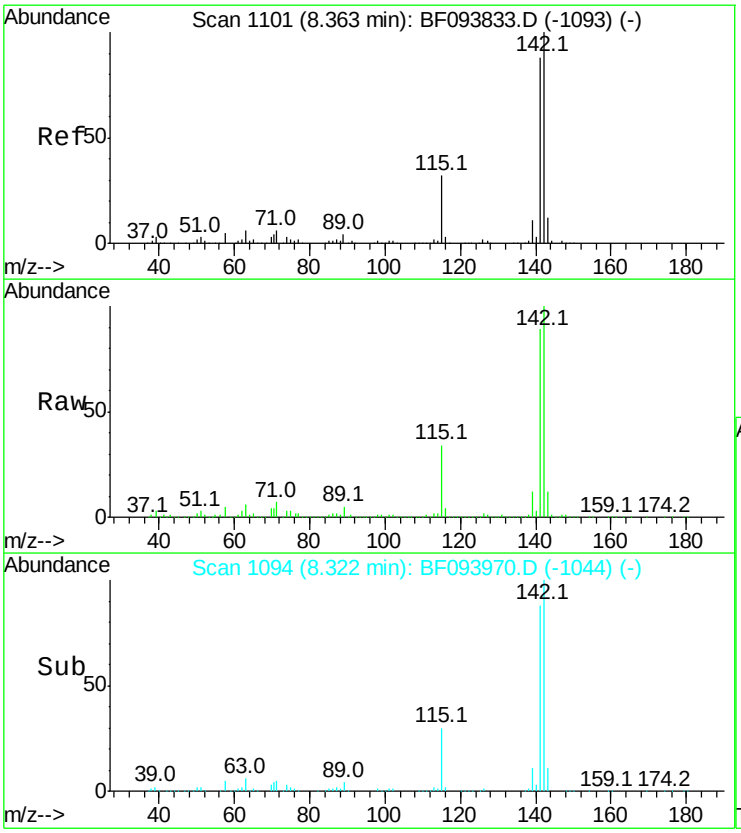
#35
Caprolactam
Concen: 5.41 ng
RT: 8.00 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:113 Resp: 14898

Ion	Ratio	Lower	Upper
113	100		
55	289.8	150.2	190.2#
56	323.9	107.8	147.8#

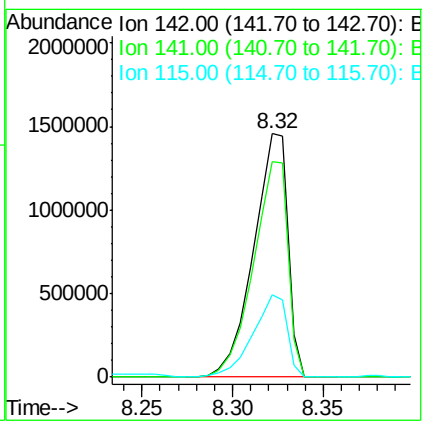


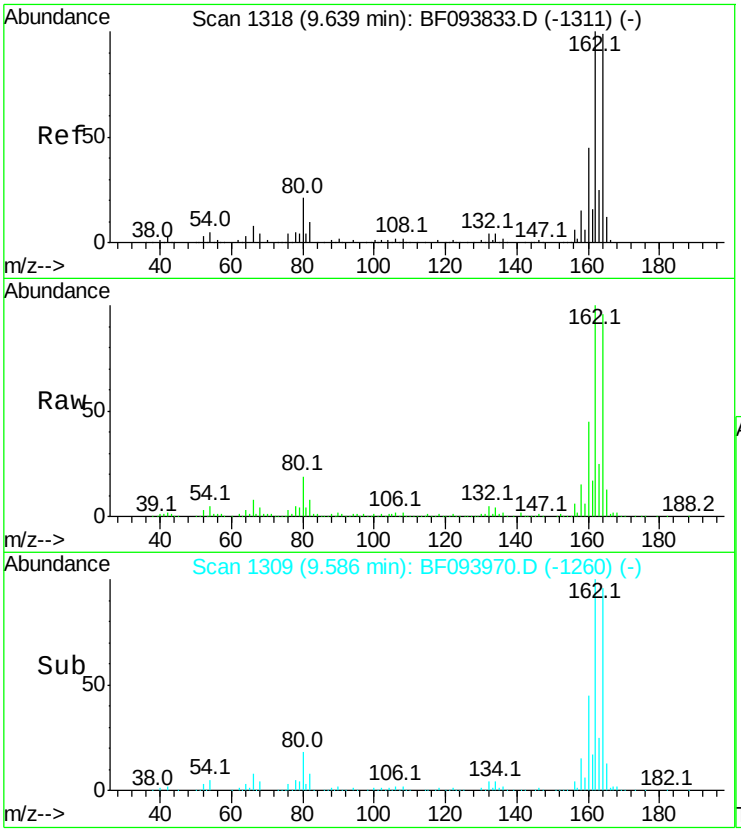


#37
2-Methylnaphthalene
Concen: 91.85 ng
RT: 8.32 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:142 Resp: 1912926

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	33.9	27.1	40.7



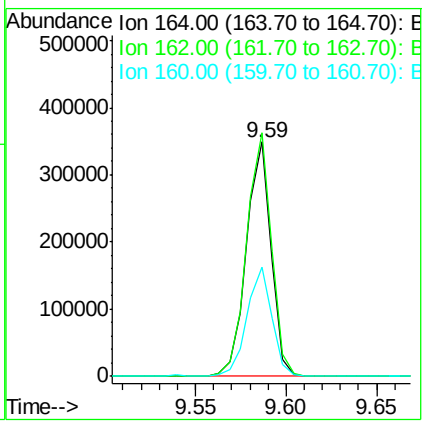


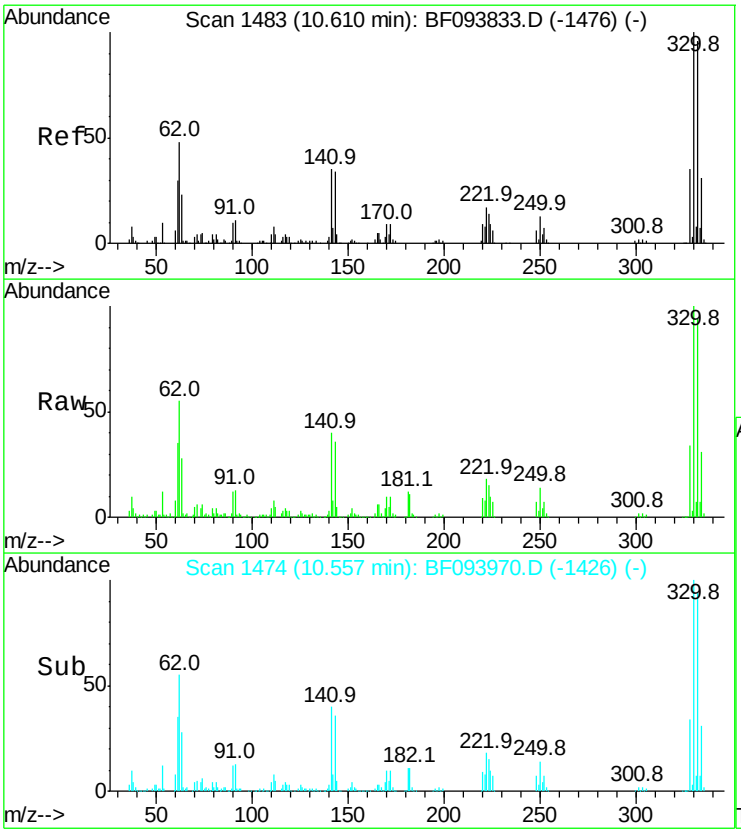
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 328322

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	46.4	36.2	54.2

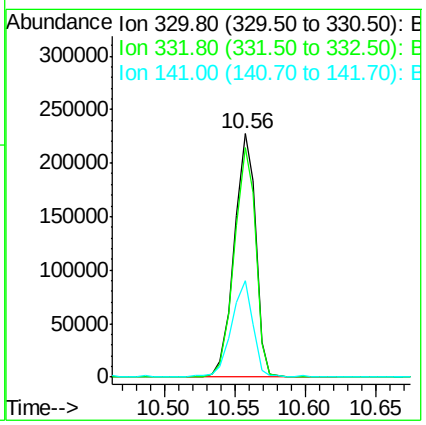


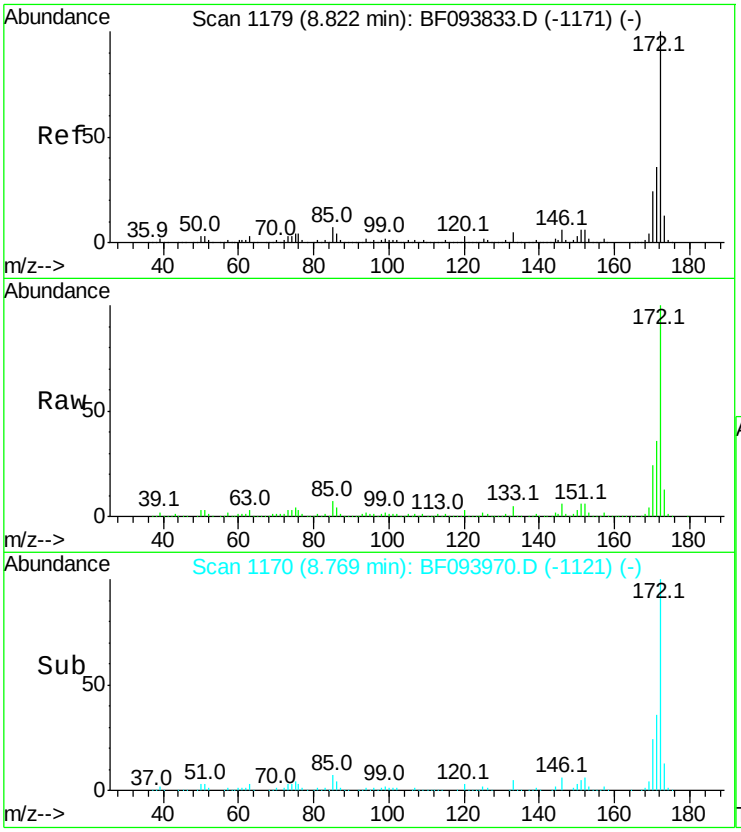


#41
2,4,6-Tribromophenol
Concen: 92.55 ng
RT: 10.56 min Scan# 1474
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:330 Resp: 240124

Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.6	115.0
141	39.0	31.4	47.2



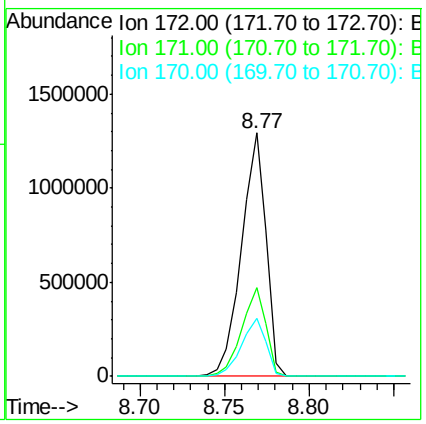


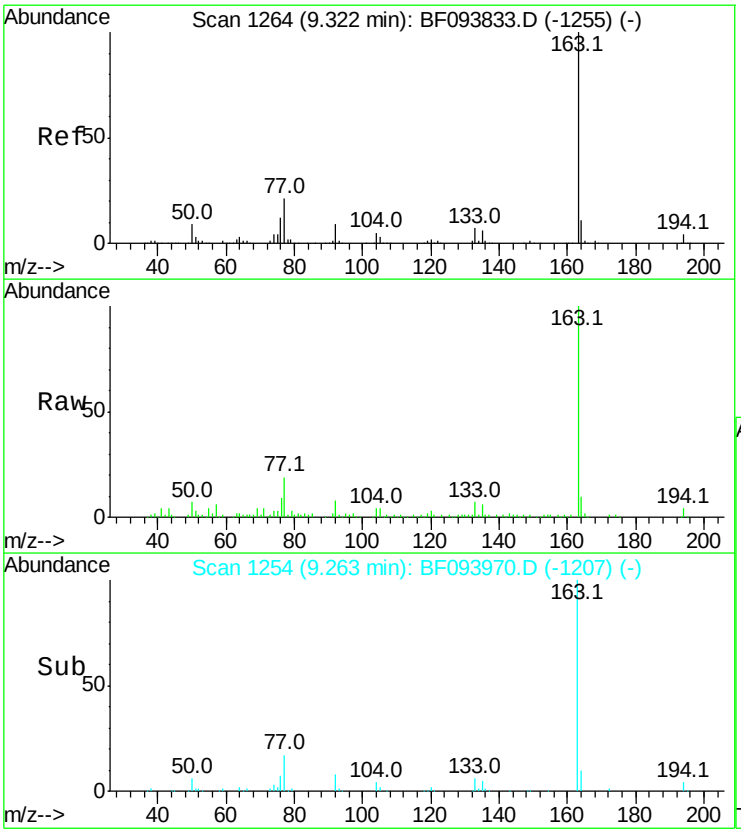
#44
2-Fluorobiphenyl
Concen: 60.93 ng
RT: 8.77 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 1311452

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.6	19.8	29.8

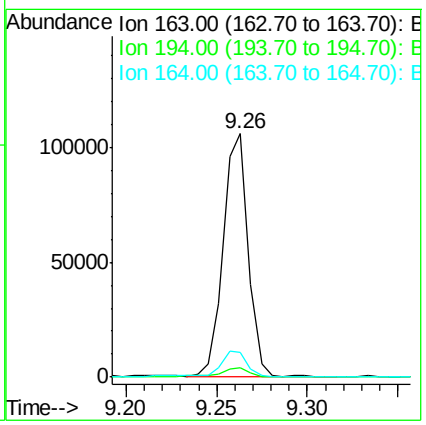


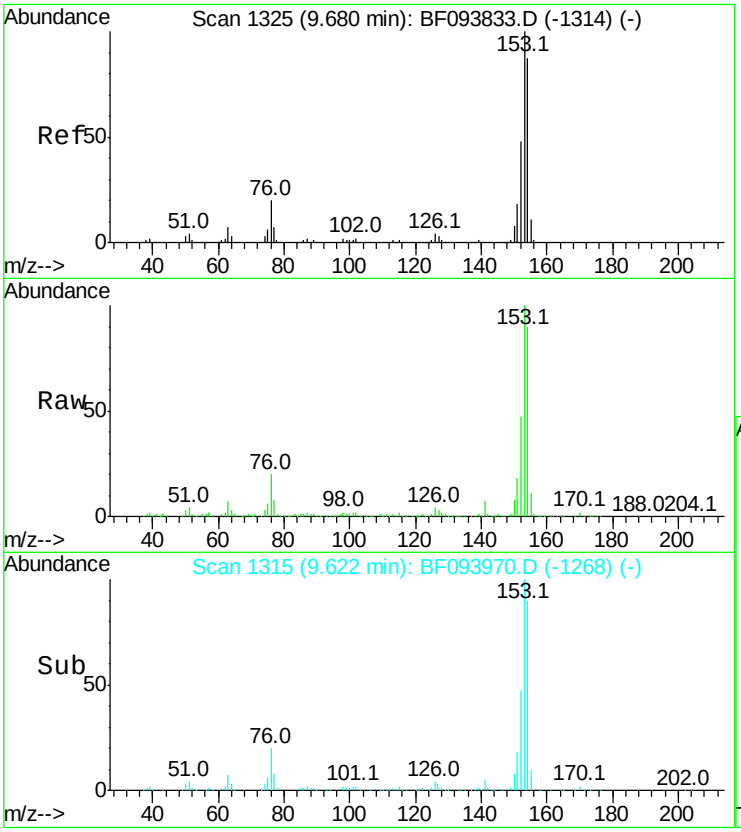


#49
Dimethylphthalate
Concen: 4.39 ng
RT: 9.26 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:163 Resp: 102398

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0#
164	10.4	8.4	12.6



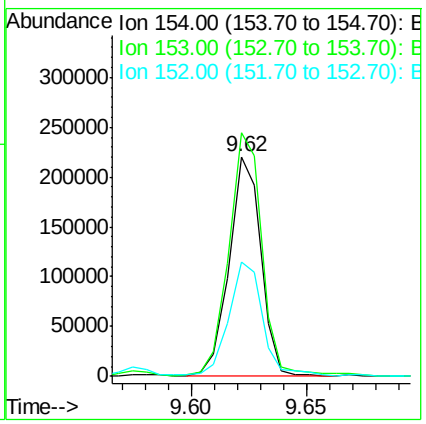


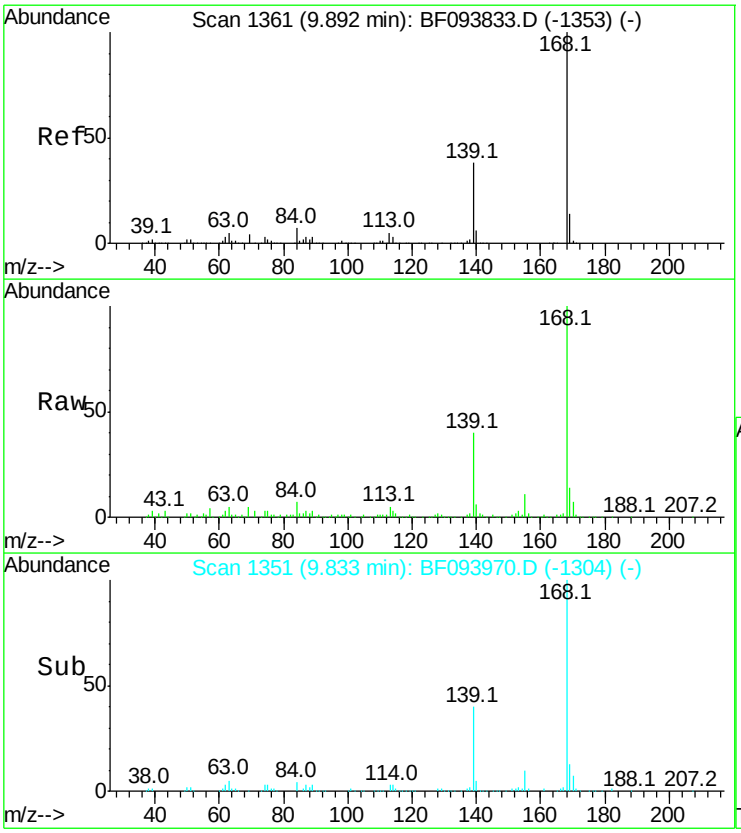
#51
Acenaphthene
Concen: 10.44 ng
RT: 9.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:154 Resp: 209806

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.5	135.7
152	52.1	43.6	65.4

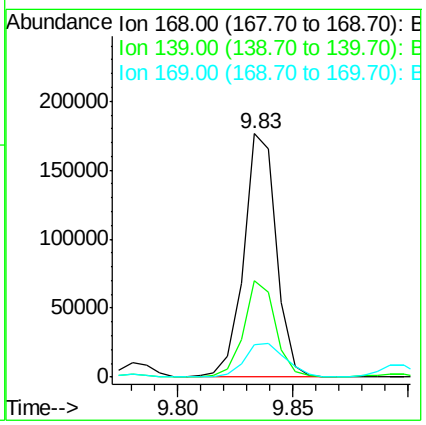


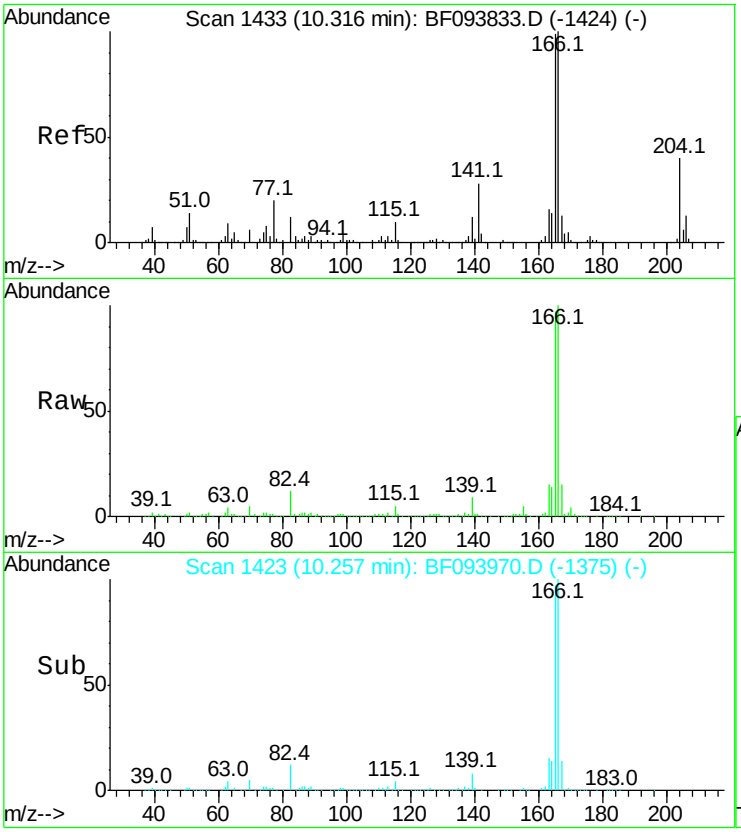


#54
Dibenzofuran
Concen: 6.36 ng
RT: 9.83 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:168 Resp: 173944

Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.6	45.8
169	13.6	10.8	16.2



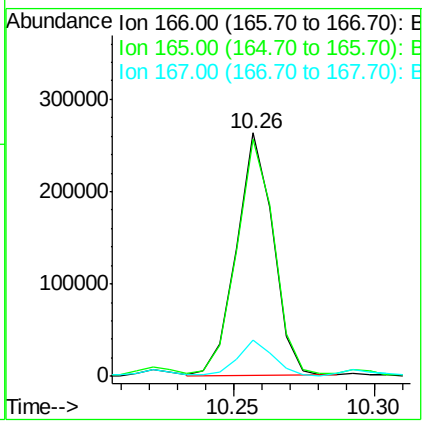


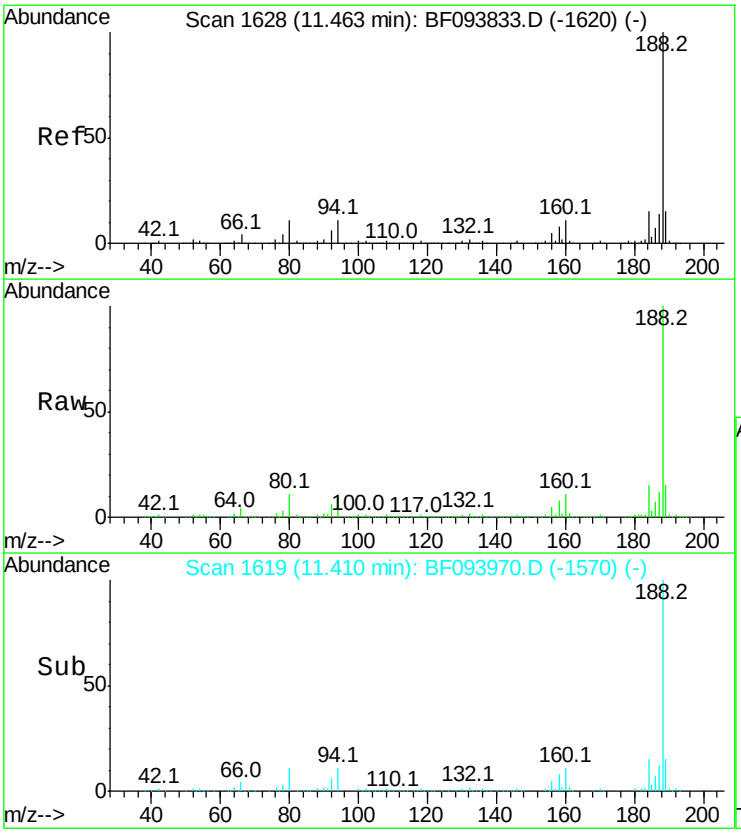
#57
Fluorene
Concen: 10.38 ng
RT: 10.26 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:166 Resp: 235479

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.8	118.2
167	14.7	10.6	16.0

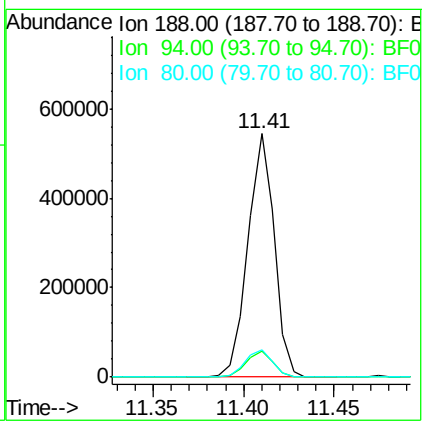


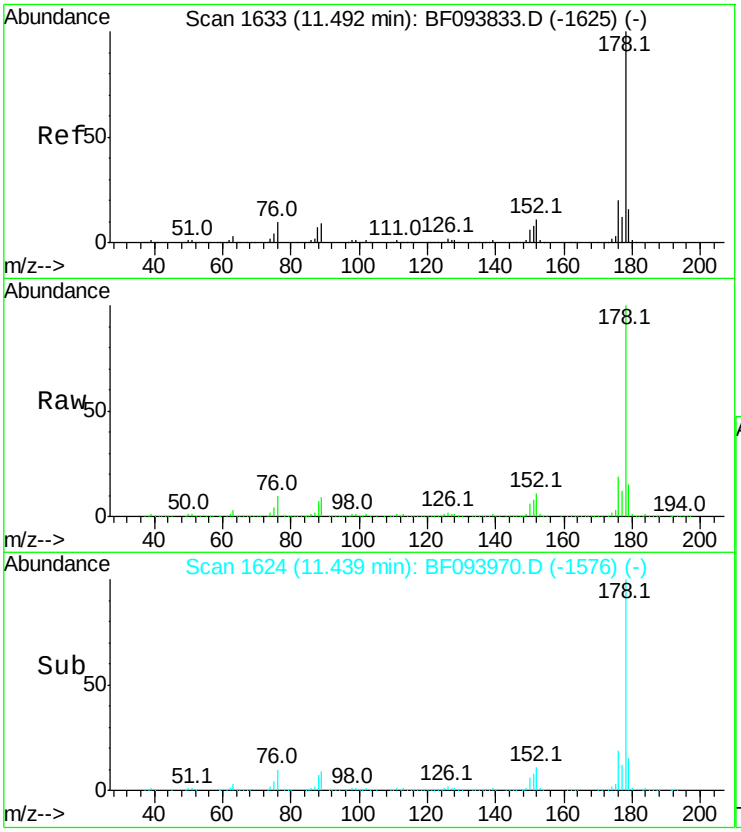


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:188 Resp: 550572

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.2	10.2	15.2



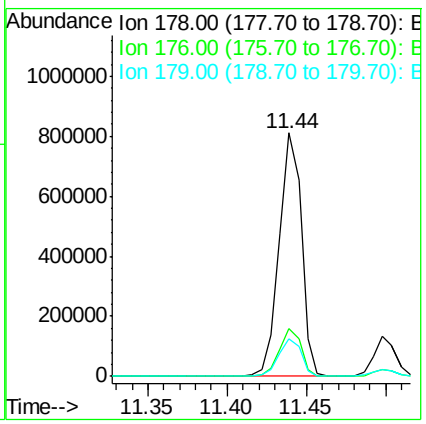


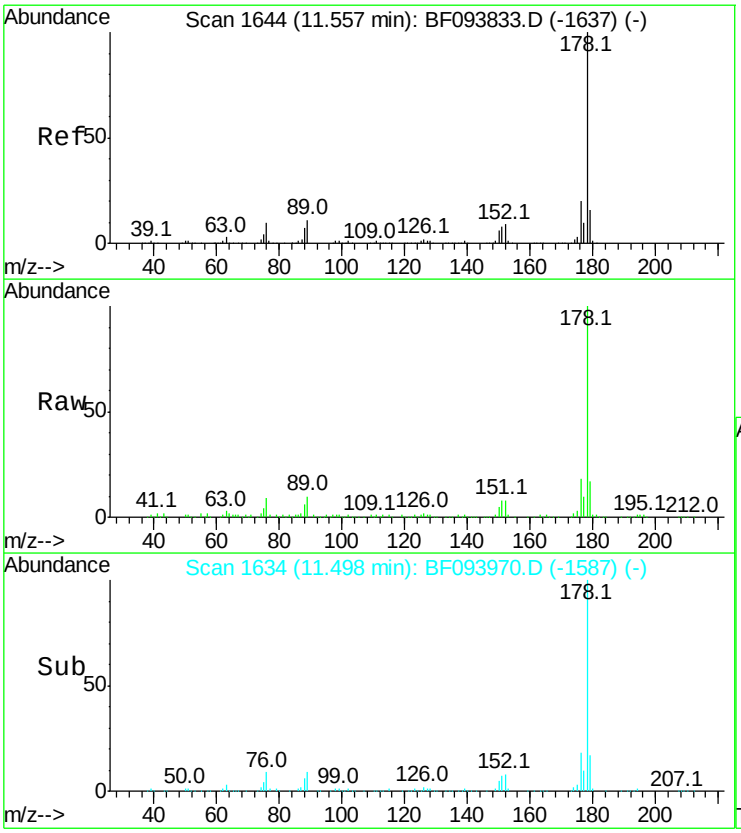
#70
Phenanthrene
Concen: 25.93 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 794120

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.3	12.6	19.0

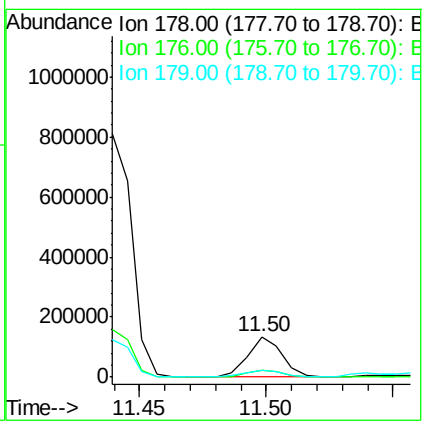


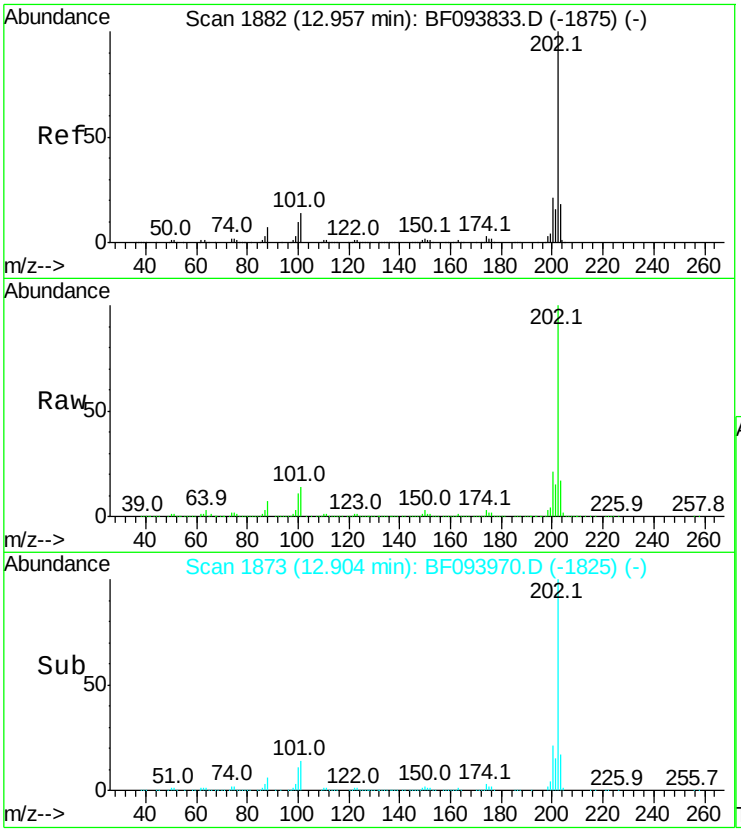


#71
Anthracene
Concen: 3.91 ng
RT: 11.50 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:178 Resp: 123173

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	16.8	12.7	19.1



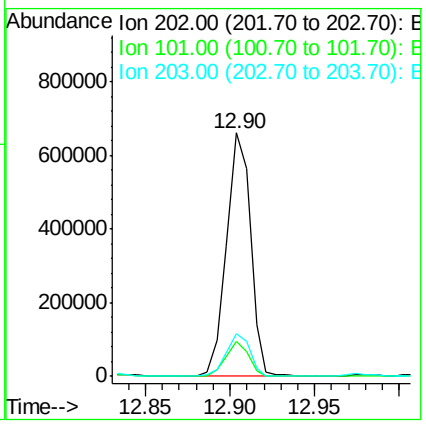


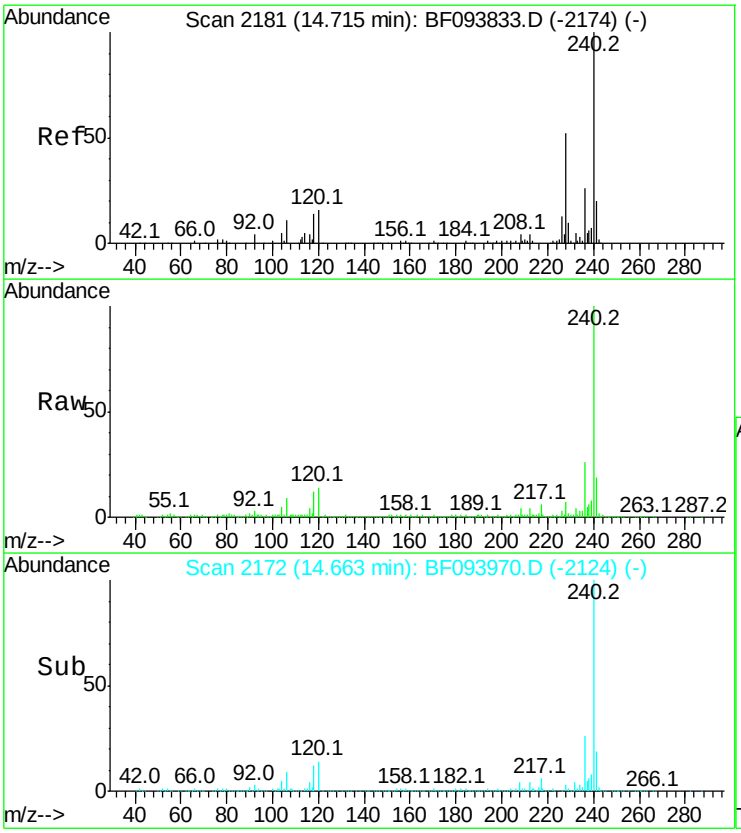
#74
Fluoranthene
Concen: 20.84 ng
RT: 12.90 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 653438

Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.4	0.0	38.1

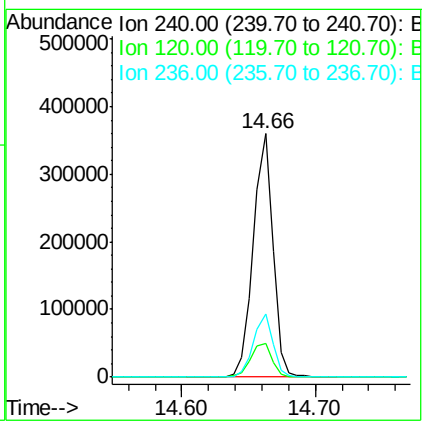


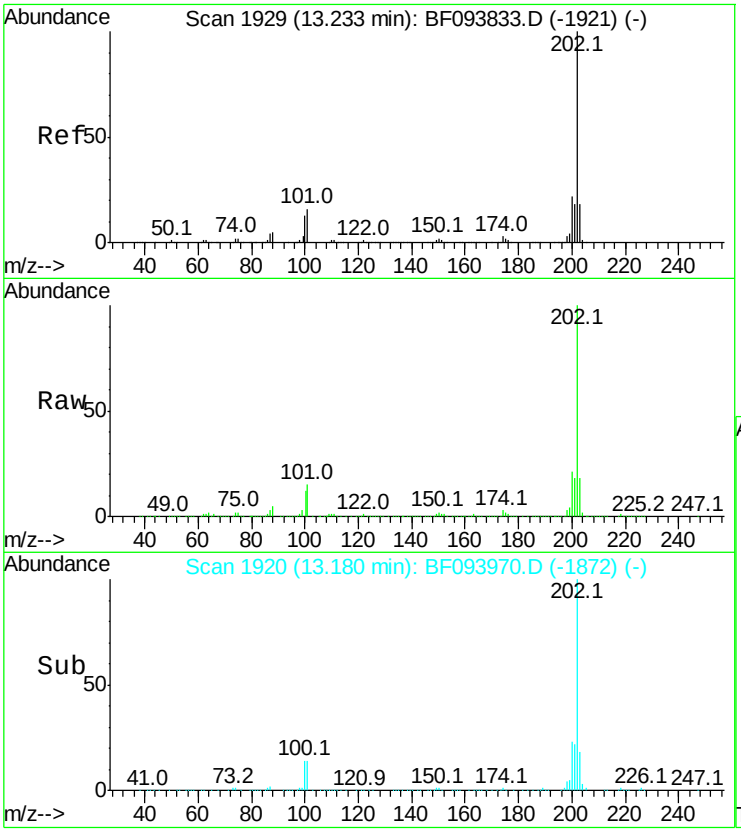


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.66 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:240 Resp: 361955

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.8	20.5	30.7



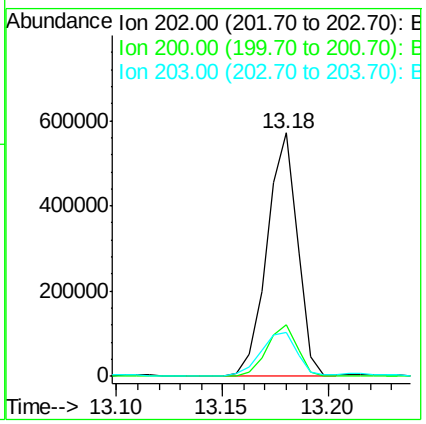


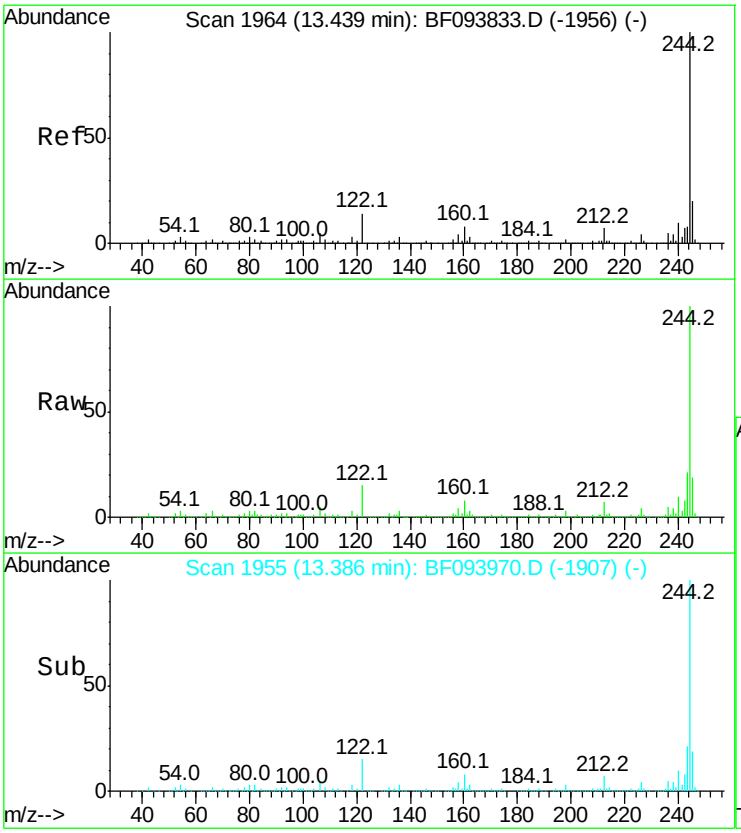
#77
Pyrene
Concen: 21.80 ng
RT: 13.18 min Scan# 1920
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 572592

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.8	14.4	21.6

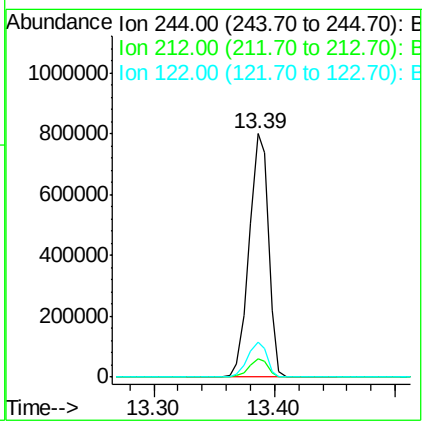


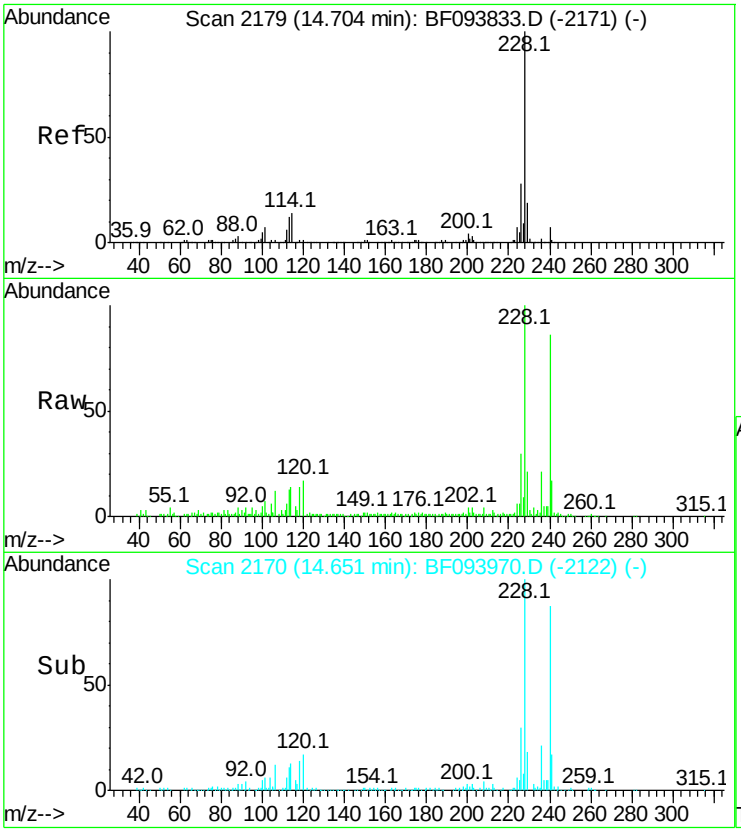


#78
Terphenyl-d14
Concen: 55.60 ng
RT: 13.39 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:244 Resp: 897867

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.5	10.3	15.5



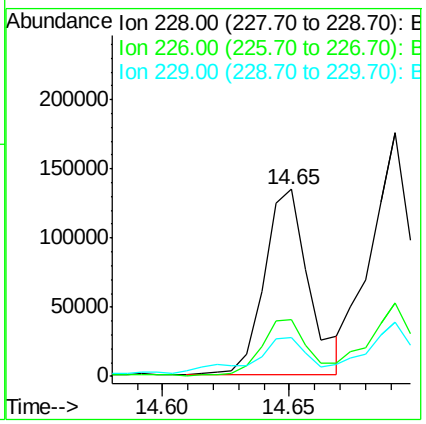


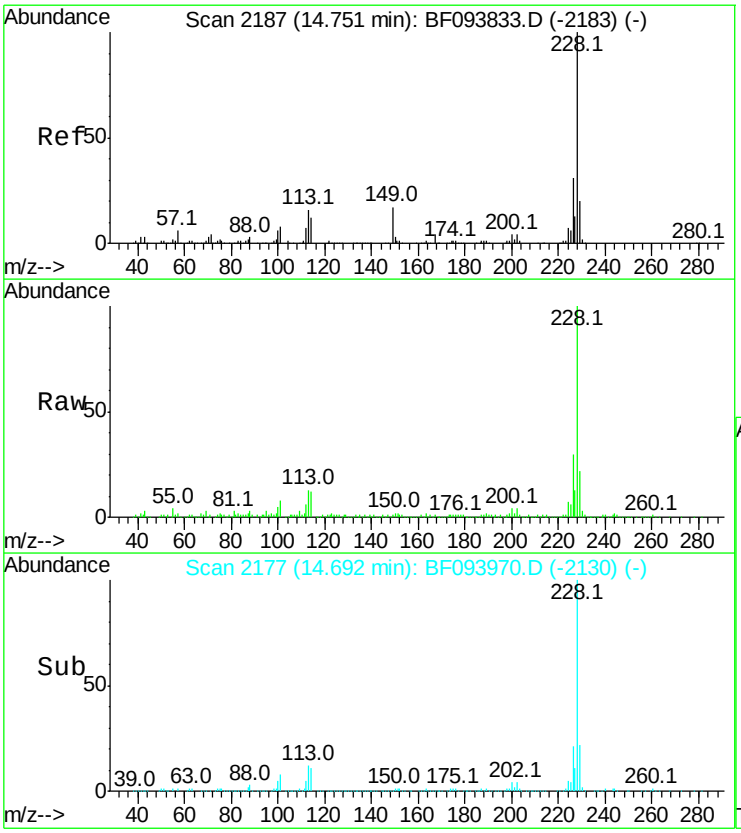
#80
Benzo(a)anthracene
Concen: 7.81 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 164908

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.8	16.3	24.5

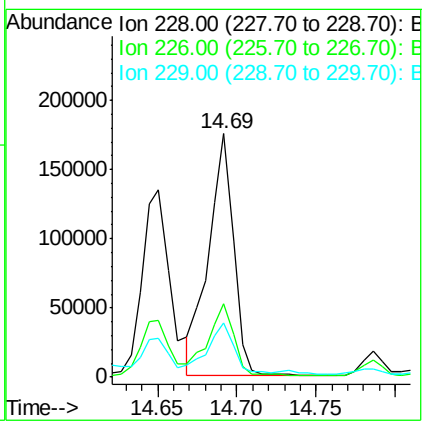


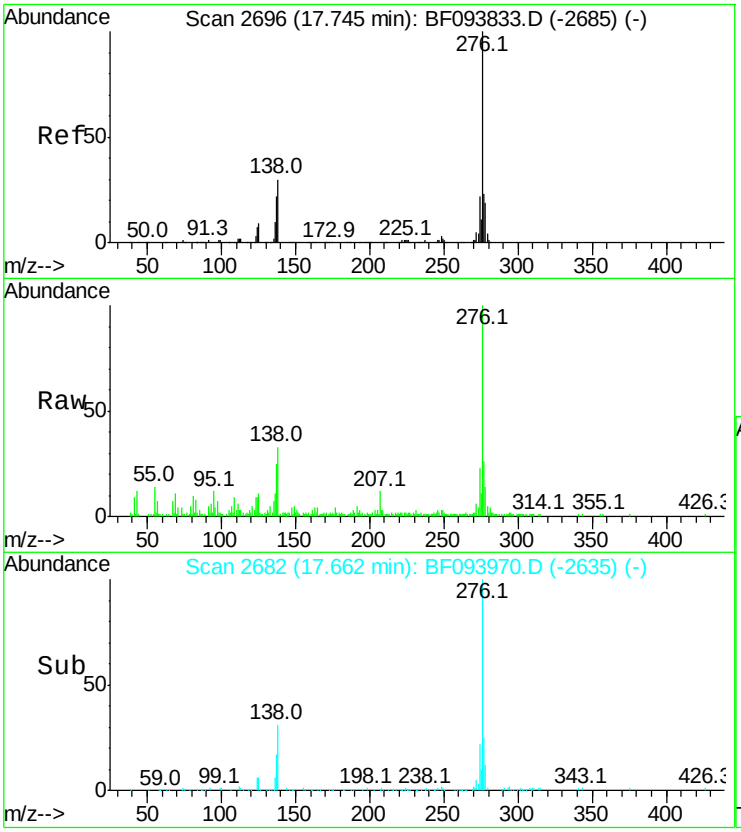


#82
Chrysene
Concen: 9.88 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:228 Resp: 193438

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.4	15.8	23.6



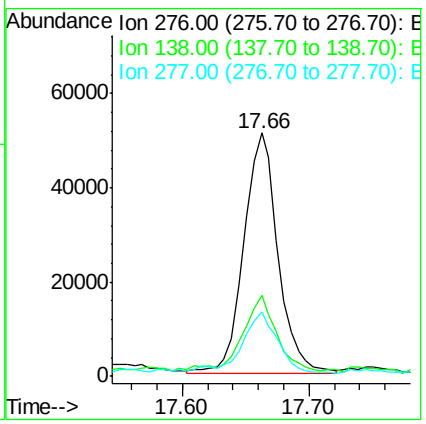


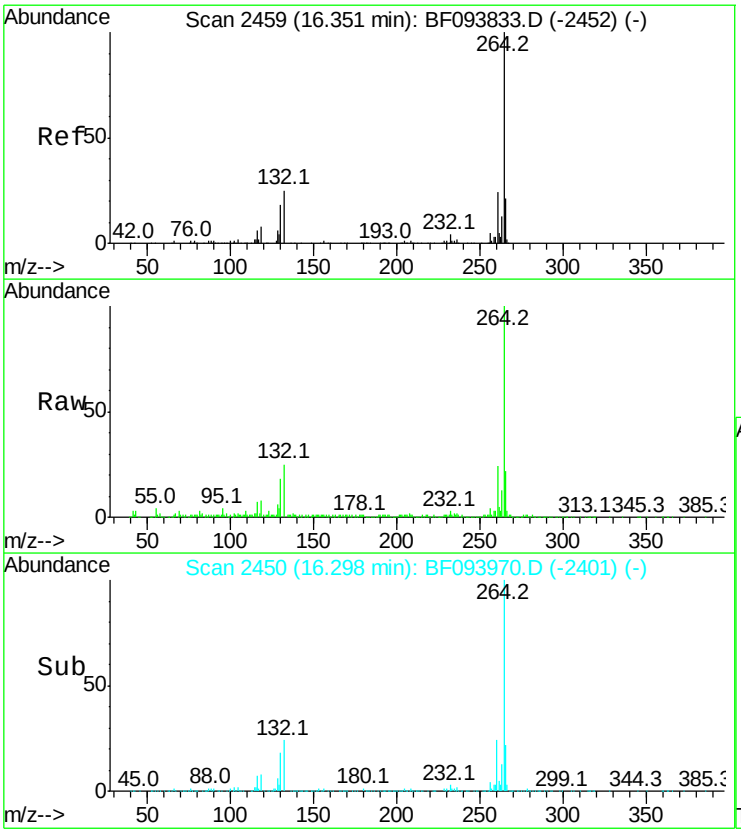
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.67 ng
RT: 17.66 min Scan# 2682
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 96267

Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.1	20.2	30.4

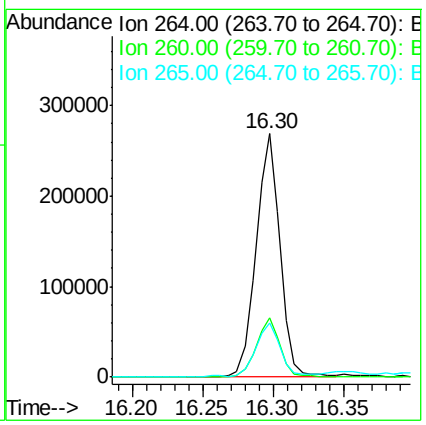


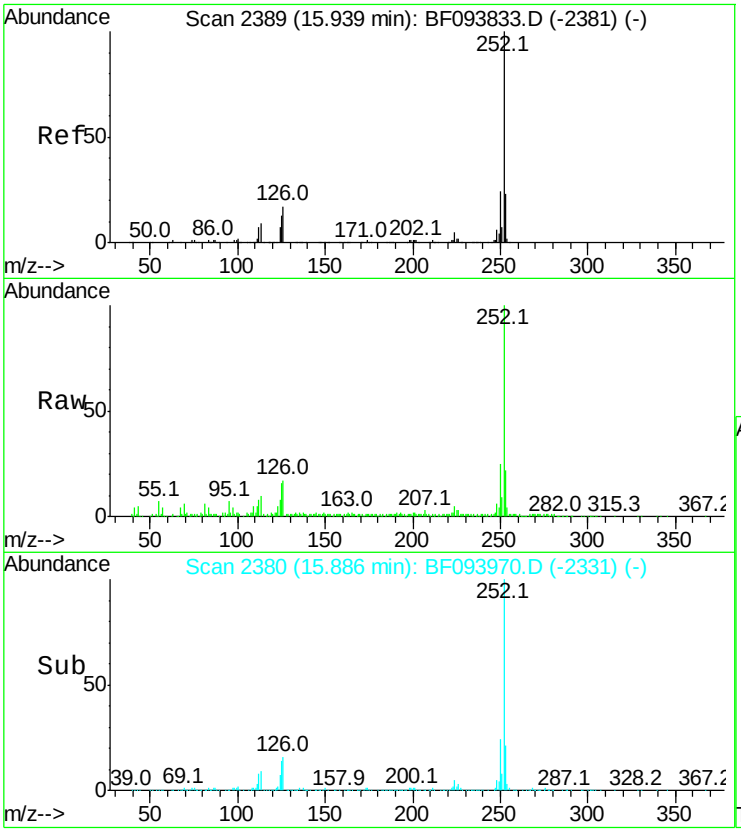


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.30 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:264 Resp: 322280

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.2	25.8



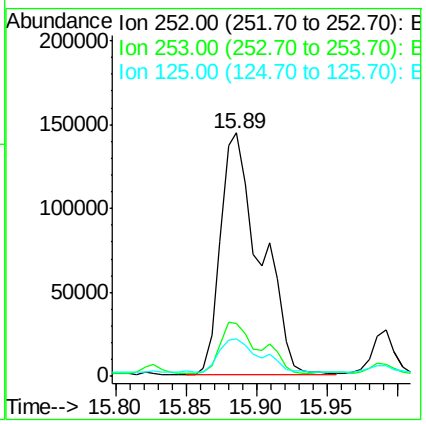


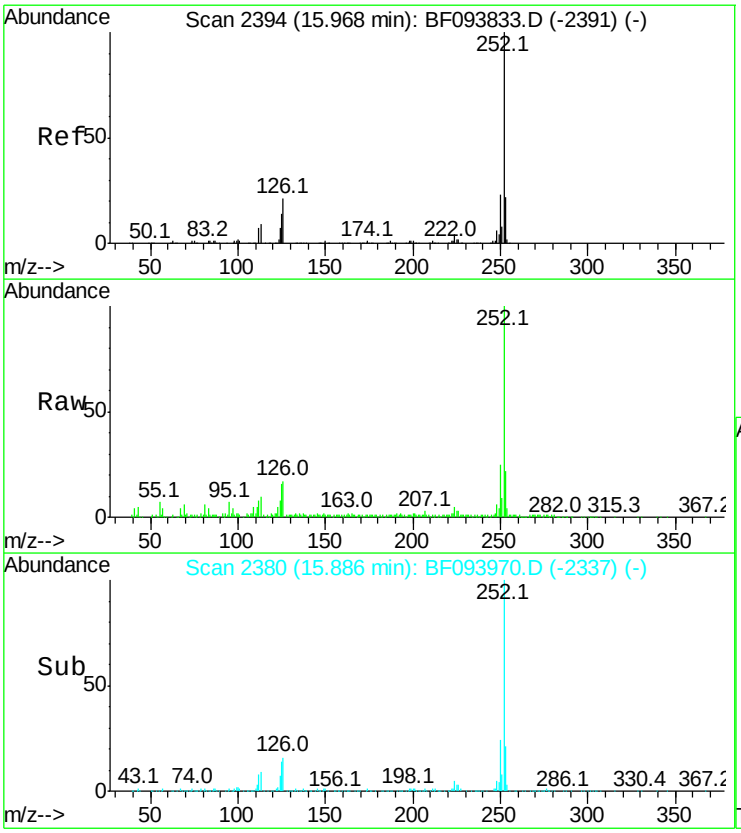
#87
Benzo(b)fluoranthene
Concen: 14.41 ng
RT: 15.89 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 284603

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.7	9.8	14.8#

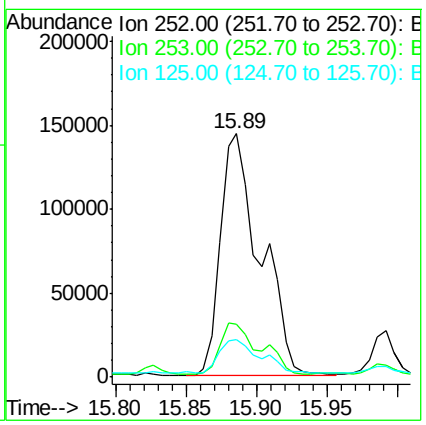


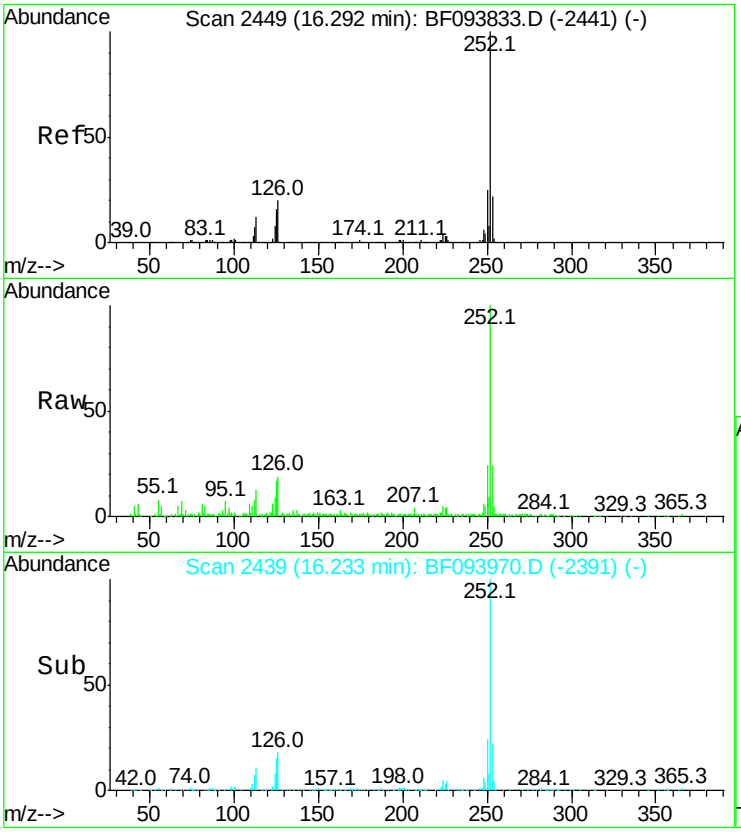


#88
Benzo(k)fluoranthene
Concen: 14.72 ng
RT: 15.89 min Scan# 2380
Delta R.T. -0.05 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:252 Resp: 284603

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	15.7	13.1	19.7



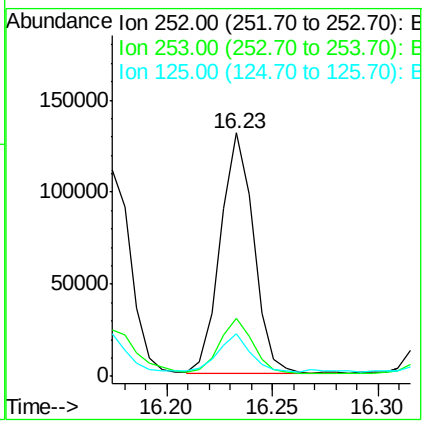


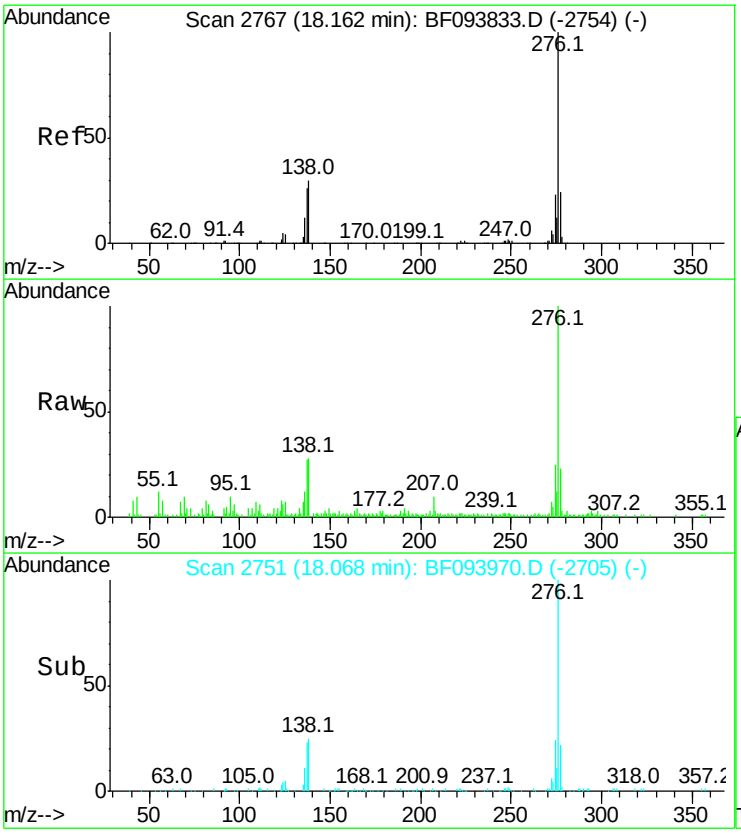
#89
Benzo(a)pyrene
Concen: 7.78 ng
RT: 16.23 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 141616

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	17.4	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 6.18 ng
RT: 18.07 min Scan# 2751
Delta R.T. -0.03 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:276 Resp: 95968

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	27.8	25.4	38.0