Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095068.D
Acq On : 10 May 2017 21:42
Operator : SJ/MA
Sample : I3037-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB409-GW

Quant Time: May 11 07:14:09 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	71842	20.00	ng		-0.02
21) Naphthalene-d8	9.72	136	310716	20.00	ng		-0.03
38) Acenaphthene-d10	12.56	164	141097	20.00	ng		-0.02
63) Phenanthrene-d10	14.97	188	251880	20.00	ng		-0.02
75) Chrysene-d12	18.63	240	201061	20.00	ng		-0.02
86) Perylene-d12	20.30	264	174997	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.69	112	64676	15.01	ng		0.01
7) Phenol-d6	7.31	99	51039	9.87	ng		0.03
23) Nitrobenzene-d5	8.61	82	92758	18.82	ng		-0.03
41) 2,4,6-Tribromophenol	13.87	330	38314	33.16	ng		-0.02
44) 2-Fluorobiphenyl	11.50	172	219847	22.43	ng		-0.03
78) Terphenyl-d14	17.28	244	200086	21.92	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	9.76	128	199696	12.79	ng		99
32) Benzoic acid	9.60	122	1452	5.52	ng	#	39
35) Caprolactam	10.52	113	24406	19.10	ng	#	71
37) 2-Methylnaphthalene	10.89	142	107516	10.49	ng		99
48) Acenaphthylene	12.33	152	58276	3.88	ng	#	87
51) Acenaphthene	12.61	154	101686	11.33	ng		100
53) 2,4-Dinitrophenol	12.91	184	519	6.61	ng	#	1
54) Dibenzofuran	12.91	168	35067	2.82	ng	#	78
55) 4-Nitrophenol	12.90	139	22957	15.07	ng	#	77
56) 2,4-Dinitrotoluene	12.93	165	8231	2.71	ng	#	59
57) Fluorene	13.45	166	127096	11.77	ng	#	94
65) n-Nitrosodiphenylamine	13.68	169	57393	6.28	ng	#	56
70) Phenanthrene	15.00	178	509217	35.19	ng		99
71) Anthracene	15.00	178	509217	34.45	ng		99
74) Fluoranthene	16.74	202	156286	10.53	ng		99
76) Benzidine	16.97	184	486	6.67	ng	#	1
77) Pyrene	17.05	202	412163	27.41	ng		98
80) Benzo(a)anthracene	18.62	228	66195	5.66	ng		96
82) Chrysene	18.67	228	69065	6.10	ng		94
85) Indeno(1,2,3-cd)pyrene	21.61	276	29239	3.18	ng		94
87) Benzo(b)fluoranthene	19.90	252	63600	5.88	ng	#	91
88) Benzo(k)fluoranthene	20.19	252	50593	4.85	ng		97
89) Benzo(a)pyrene	20.24	252	69627	6.98	ng	#	96
91) Benzo(g,h,i)perylene	21.98	276	42164	5.21	ng		95

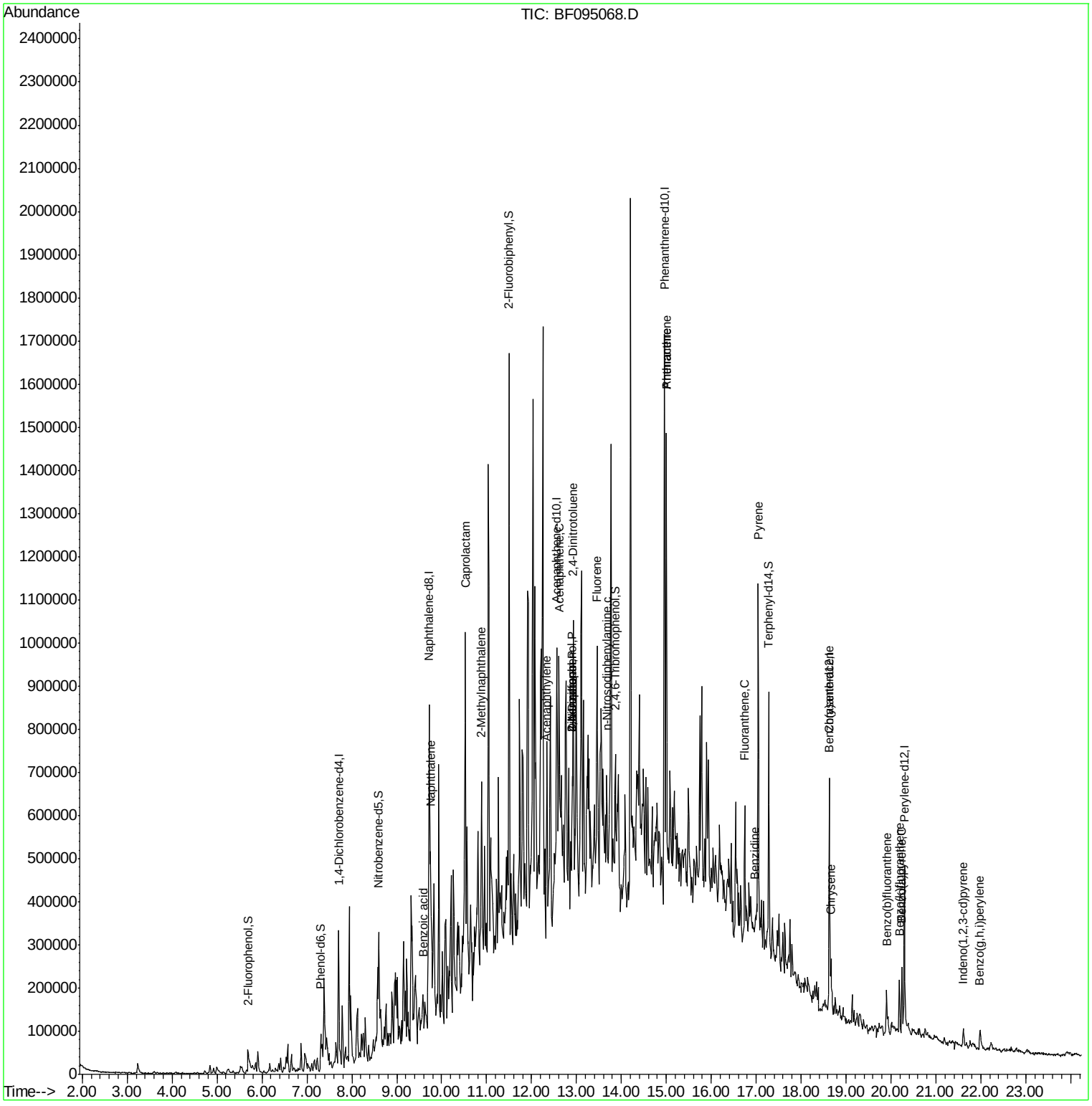
(#) = qualifier out of range (m) = manual integration (+) = signals summed

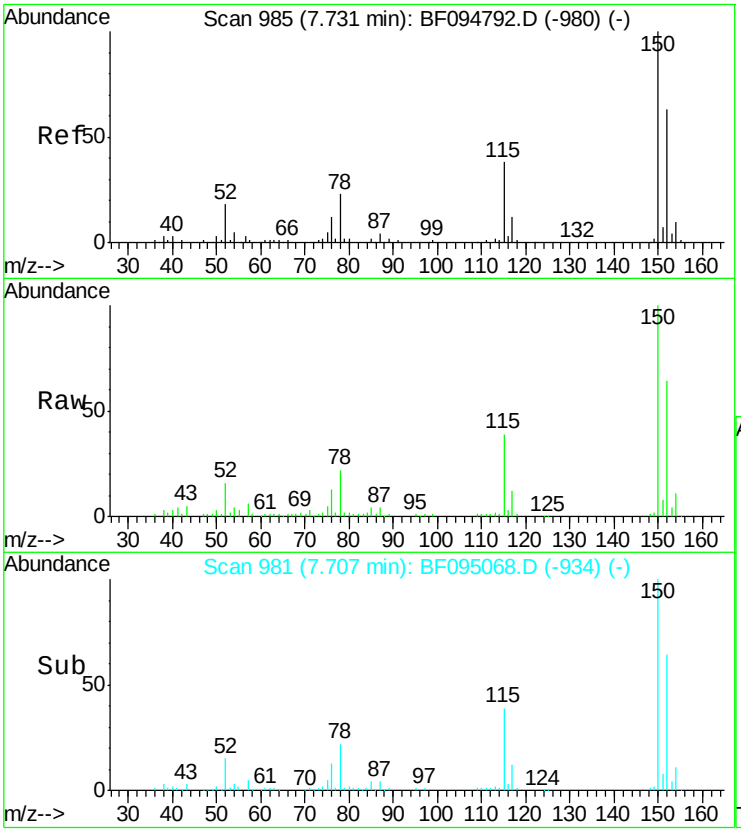
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095068.D
Acq On : 10 May 2017 21:42
Operator : SJ/MA
Sample : I3037-10 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Quant Time: May 11 07:14:09 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration



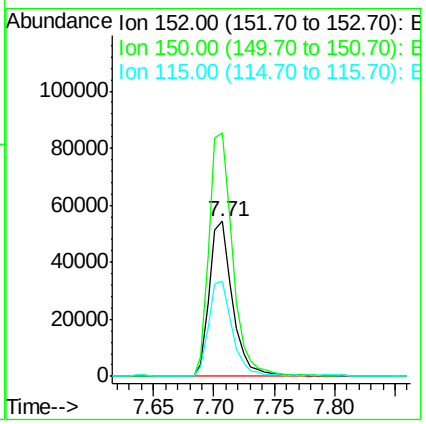


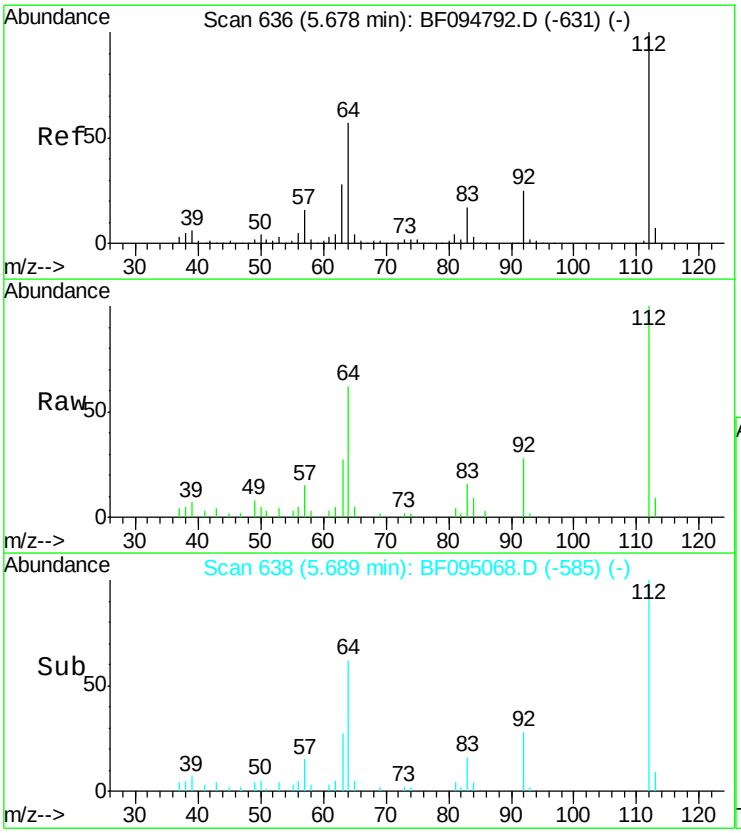
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:152 Resp: 71842

Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.6	52.2	78.2

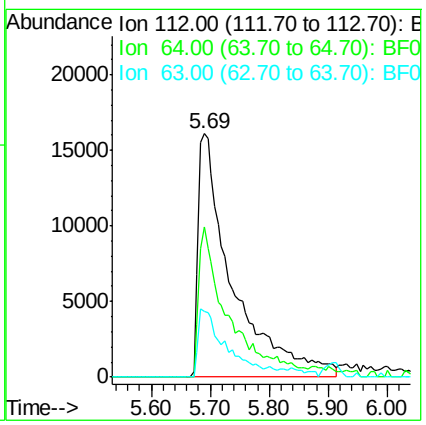


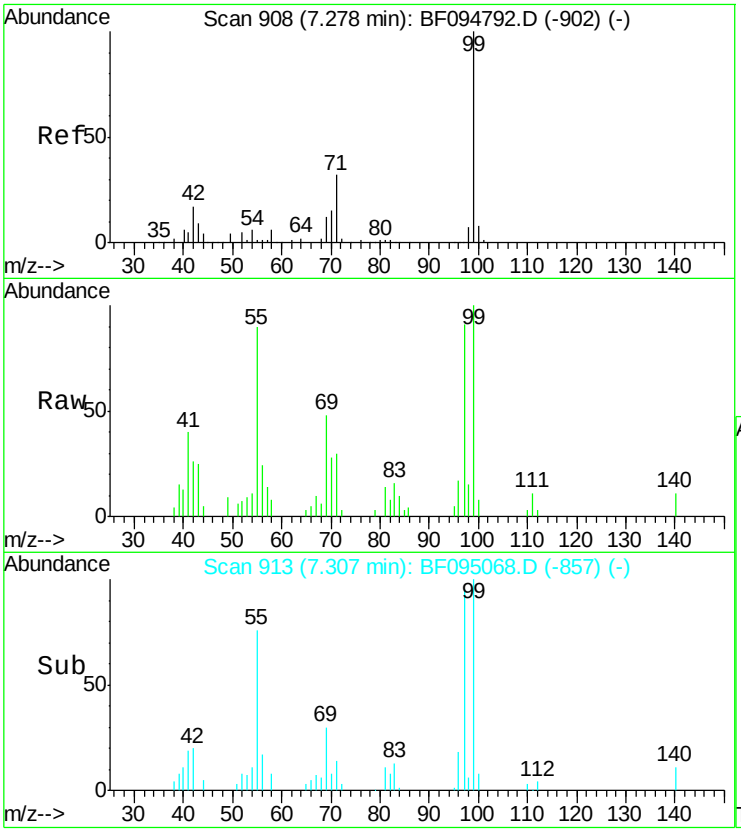


#5
2-Fluorophenol
Concen: 15.01 ng
RT: 5.69 min Scan# 638
Delta R.T. 0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:112 Resp: 64676

Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	27.0	23.4	35.0



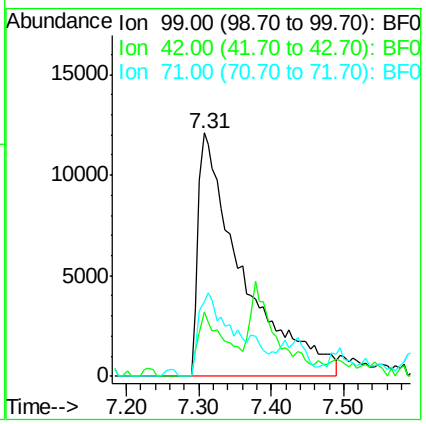


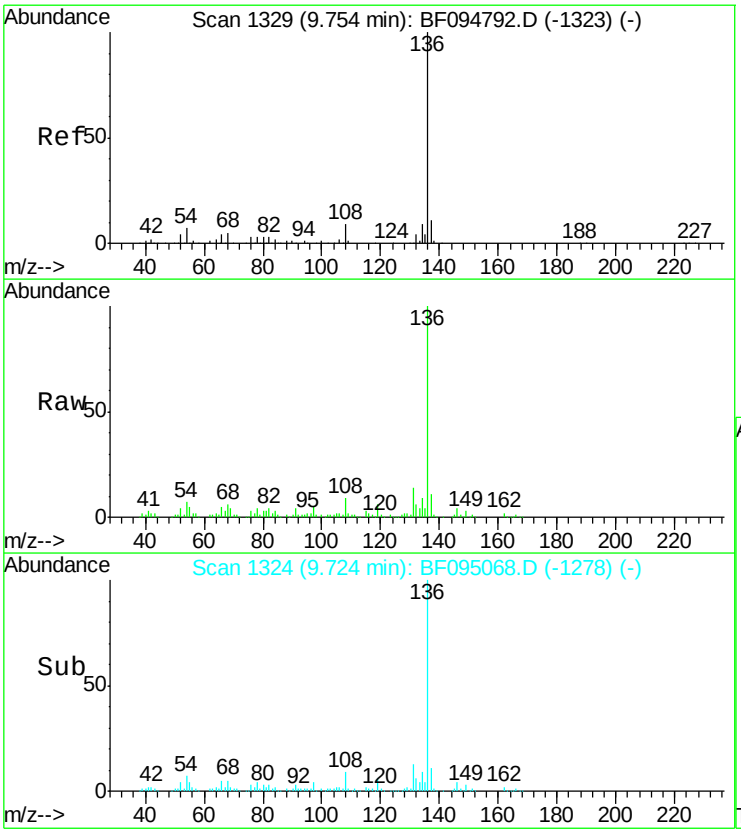
#7
Phenol-d6
Concen: 9.87 ng
RT: 7.31 min Scan# 913
Delta R.T. 0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion: 99 Resp: 51039

Ion	Ratio	Lower	Upper
99	100		
42	26.3	13.5	20.3#
71	30.4	24.5	36.7

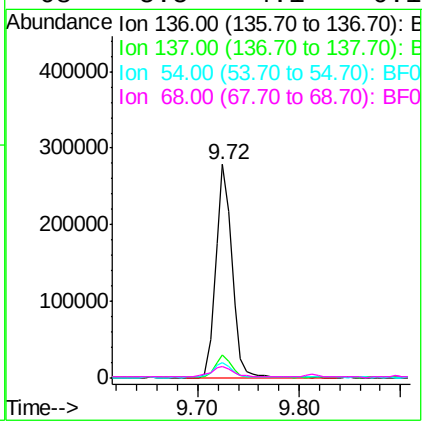


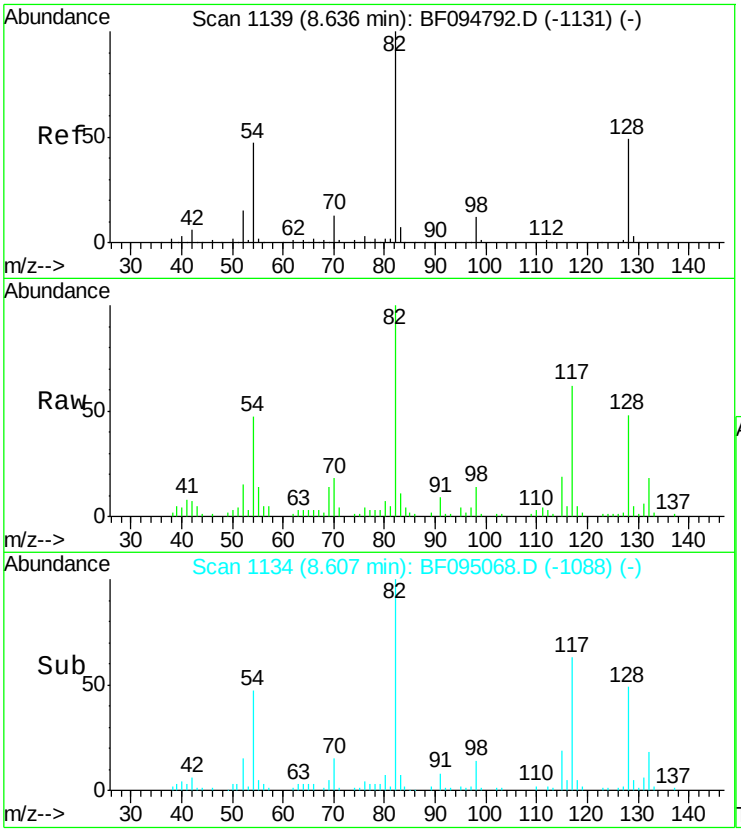


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.72 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:136 Resp: 310716

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.2	4.9	7.3
68	5.5	4.1	6.1



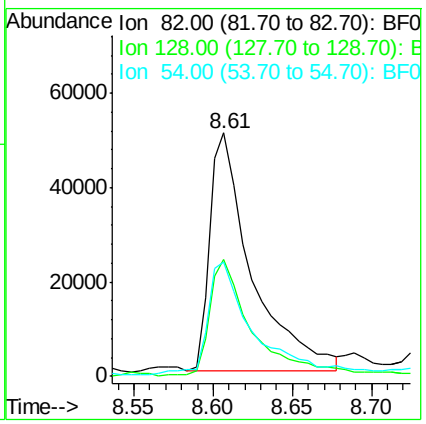


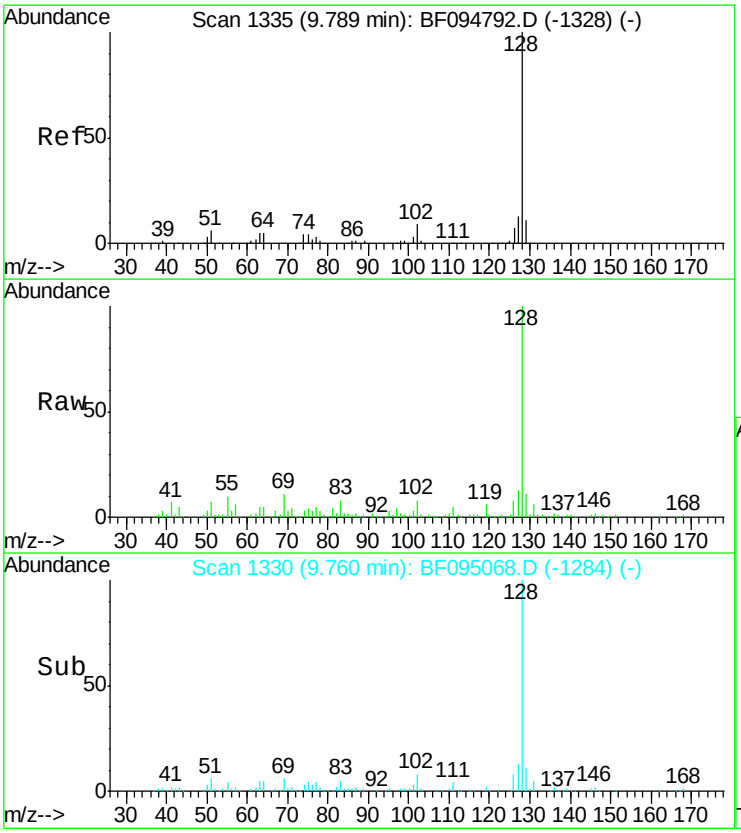
#23
Nitrobenzene-d5
Concen: 18.82 ng
RT: 8.61 min Scan# 1134
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion: 82 Resp: 92758

Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	46.8	42.2	63.2

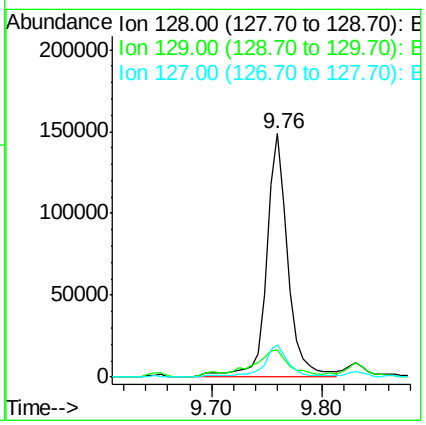


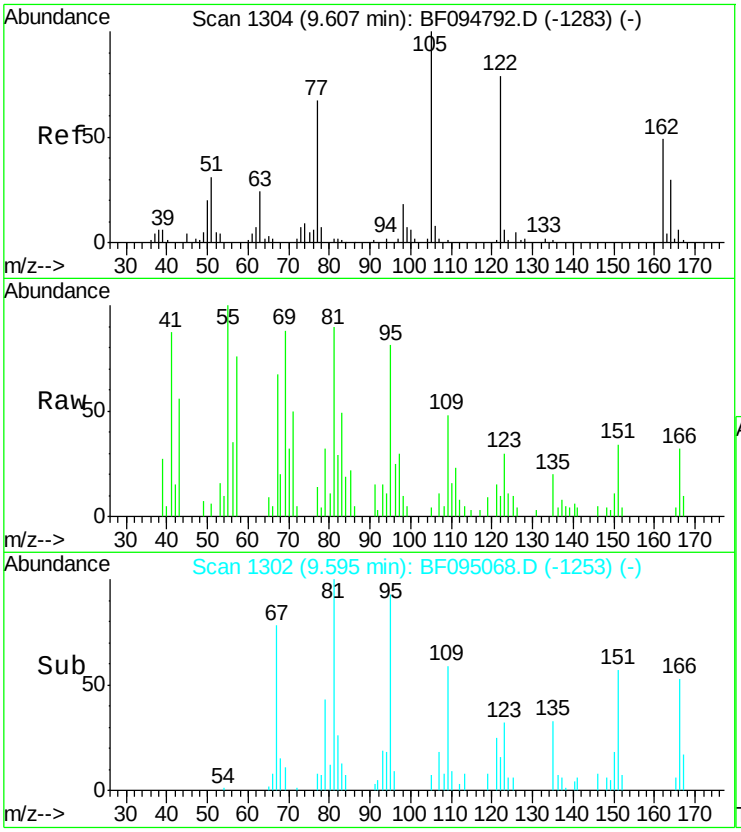


#31
Naphthalene
Concen: 12.79 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:128 Resp: 199696

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.1	10.8	16.2



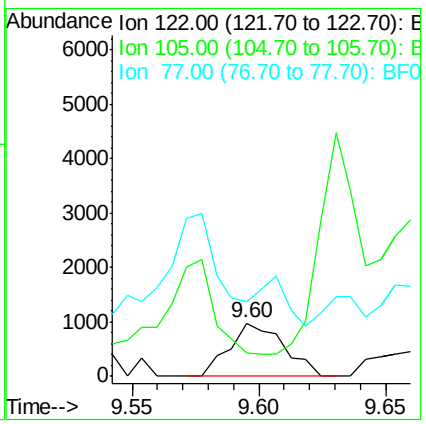


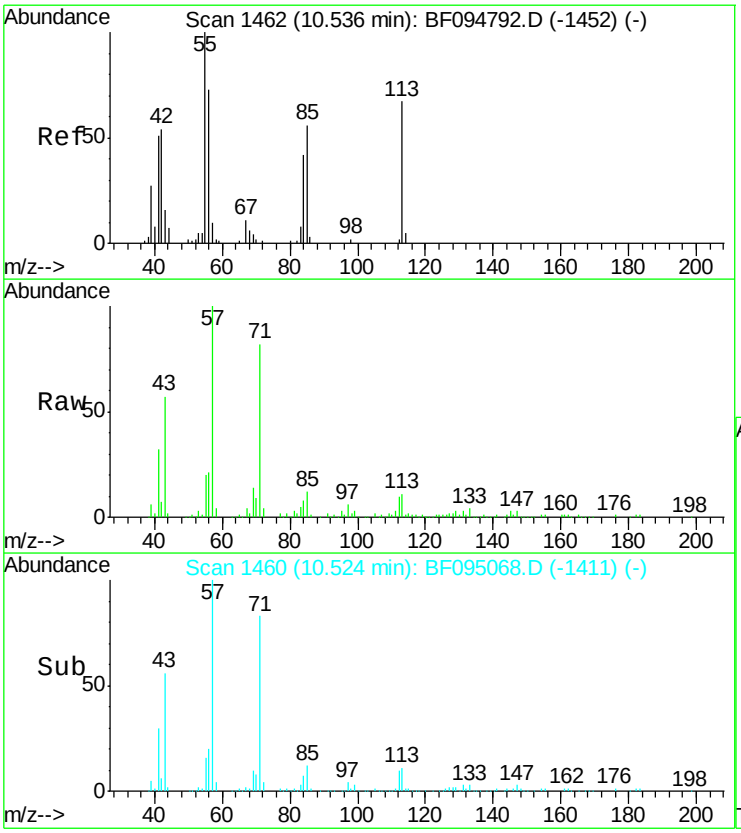
#32
Benzoic acid
Concen: 5.52 ng
RT: 9.60 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:122 Resp: 1452

Ion	Ratio	Lower	Upper
122	100		
105	44.1	103.3	143.3#
77	140.7	73.7	113.7#

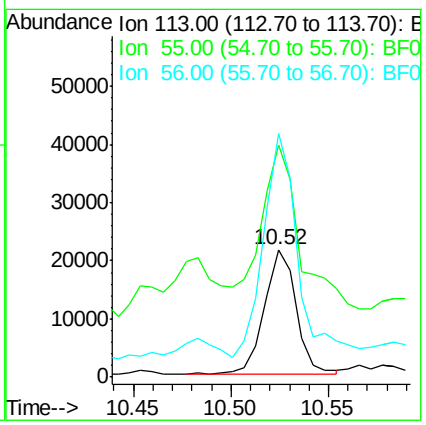


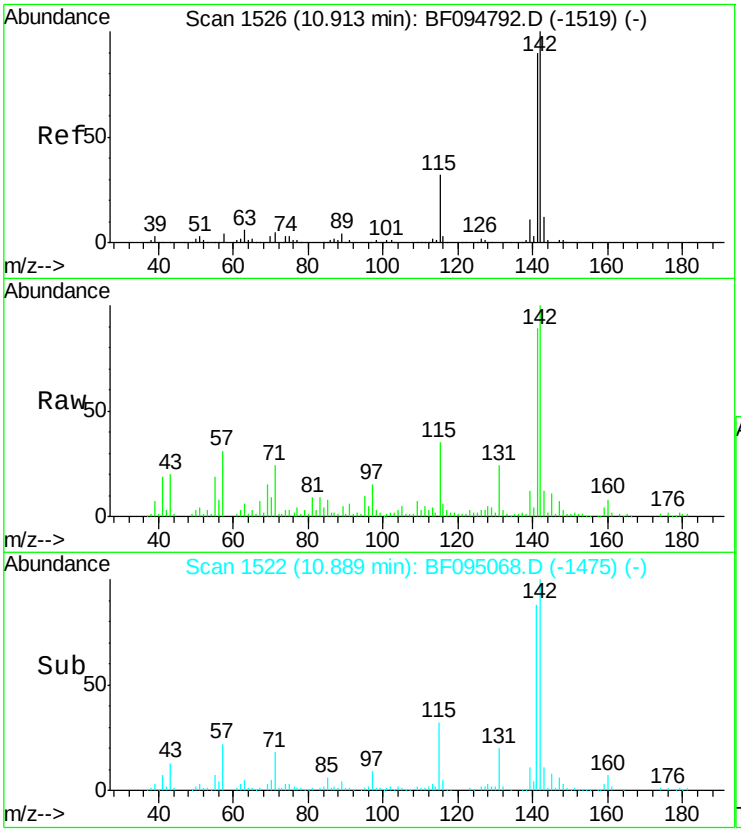


#35
Caprolactam
Concen: 19.10 ng
RT: 10.52 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:113 Resp: 24406

Ion	Ratio	Lower	Upper
113	100		
55	182.6	150.2	190.2
56	191.3	107.8	147.8#



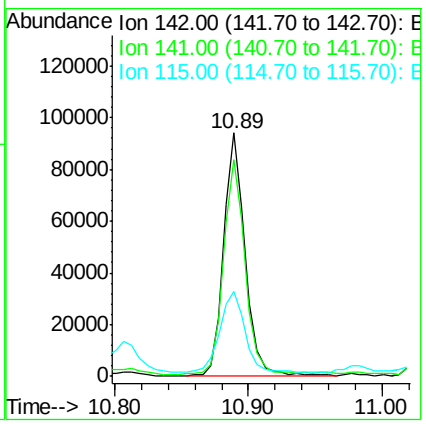


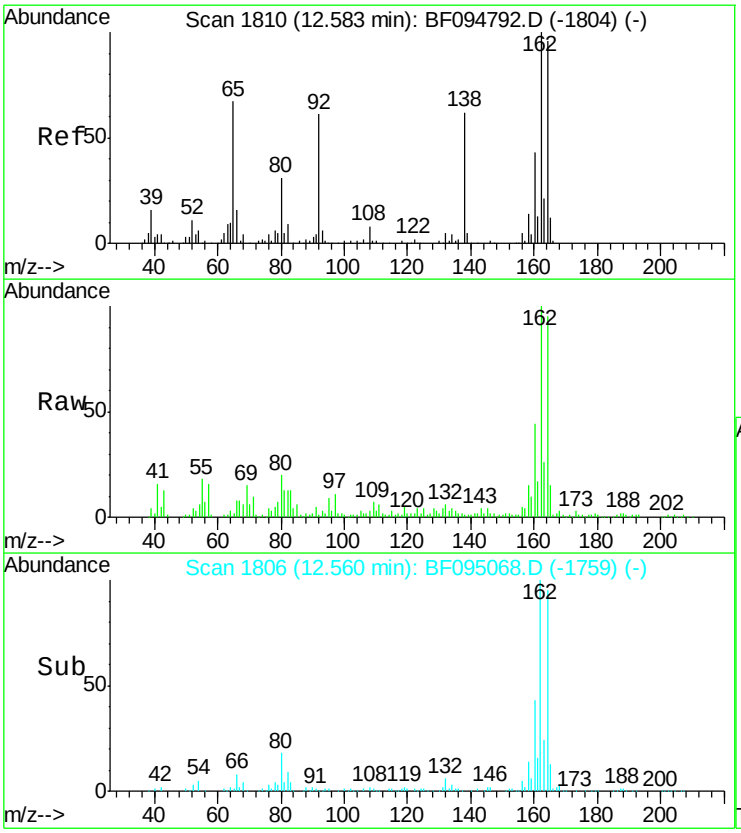
#37
2-Methylnaphthalene
Concen: 10.49 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:142 Resp: 107516

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	34.8	27.1	40.7

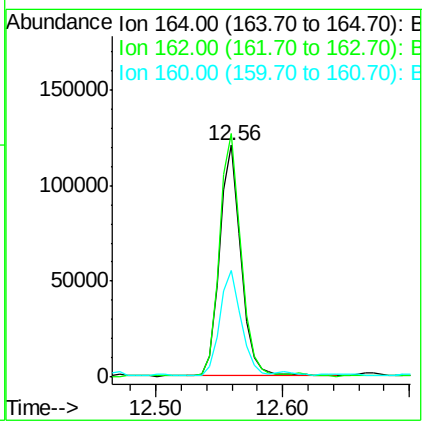


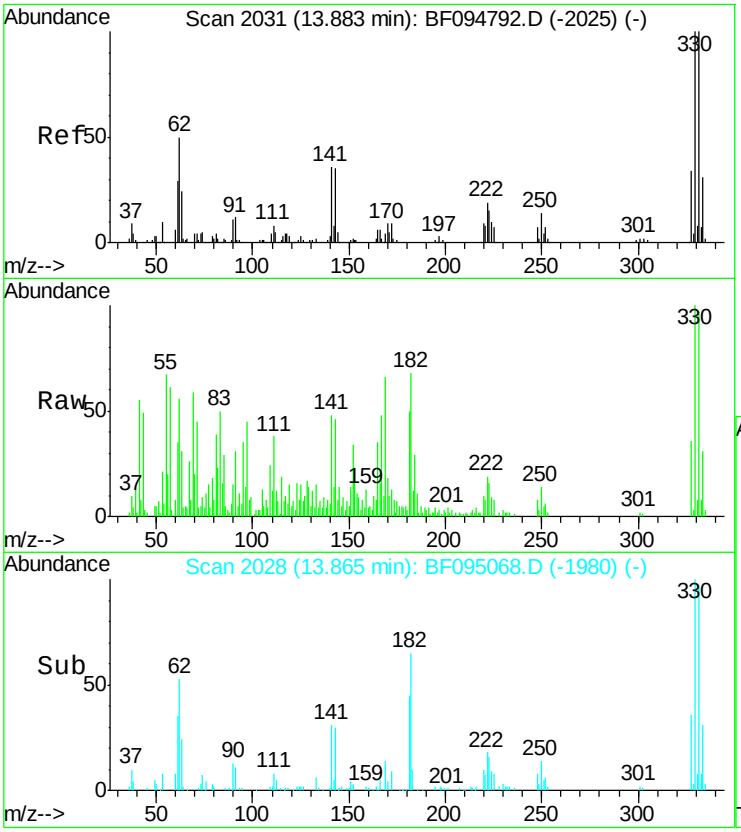


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:164 Resp: 141097

Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	45.9	36.2	54.2



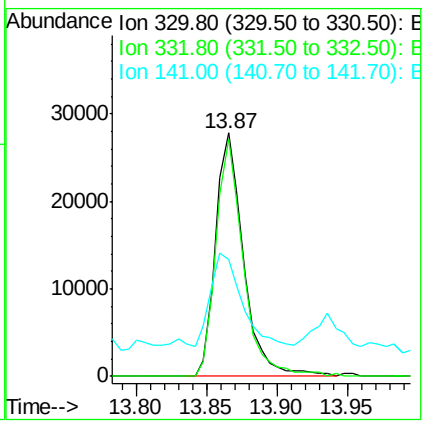


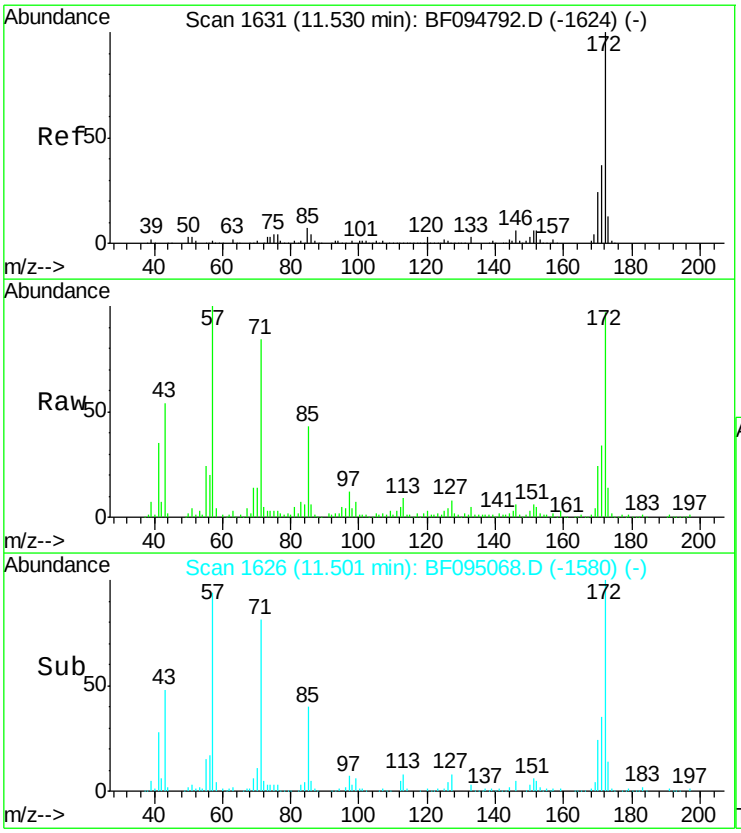
#41
2,4,6-Tribromophenol
Concen: 33.16 ng
RT: 13.87 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:330 Resp: 38314

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	45.2	31.4	47.2

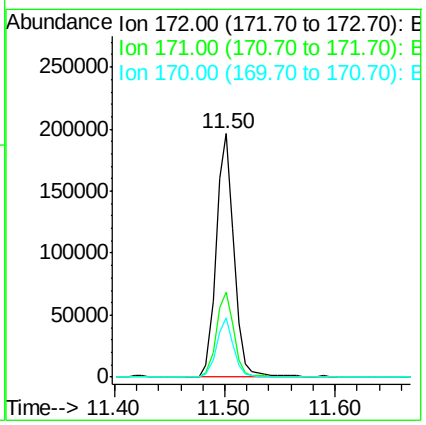


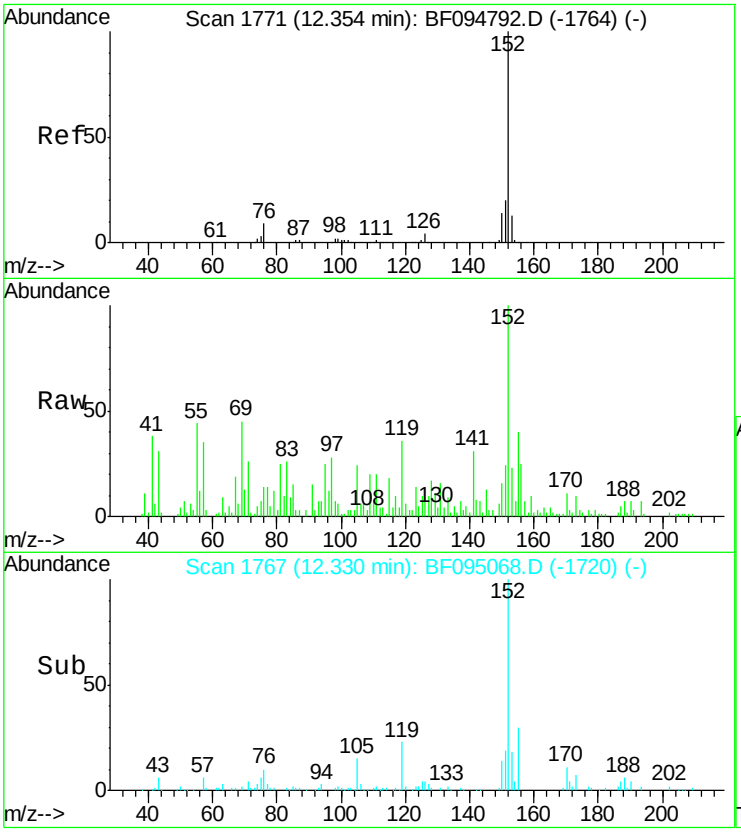


#44
2-Fluorobiphenyl
Concen: 22.43 ng
RT: 11.50 min Scan# 1626
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:172 Resp: 219847

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	24.2	19.8	29.8



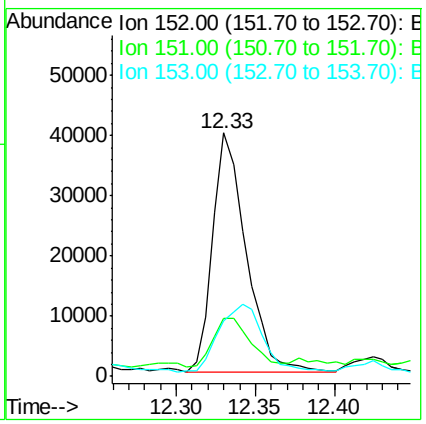


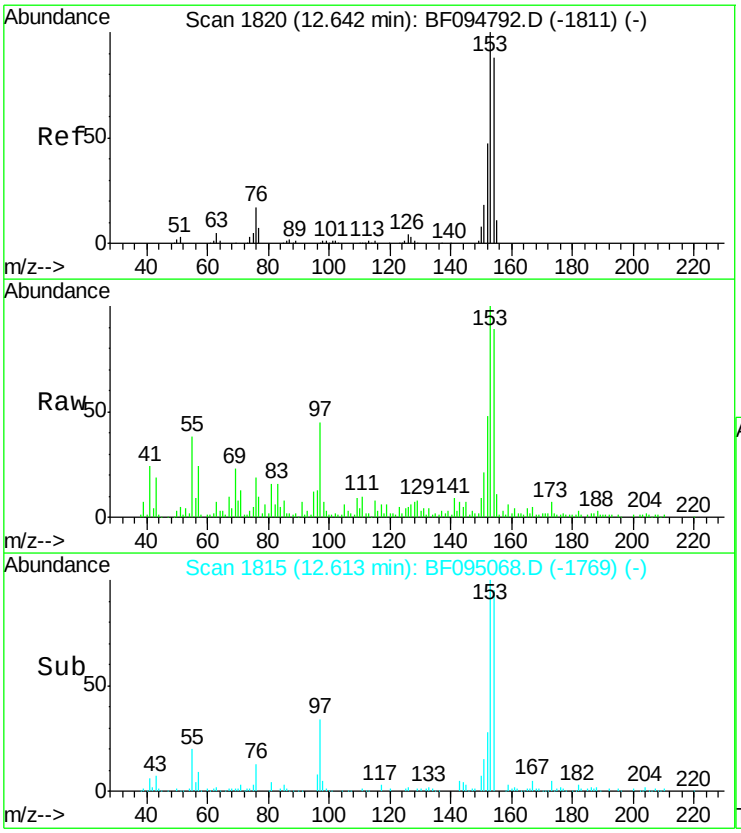
#48
Acenaphthylene
Concen: 3.88 ng
RT: 12.33 min Scan# 1767
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:152 Resp: 58276

Ion	Ratio	Lower	Upper
152	100		
151	23.7	16.8	25.2
153	23.0	10.8	16.2#

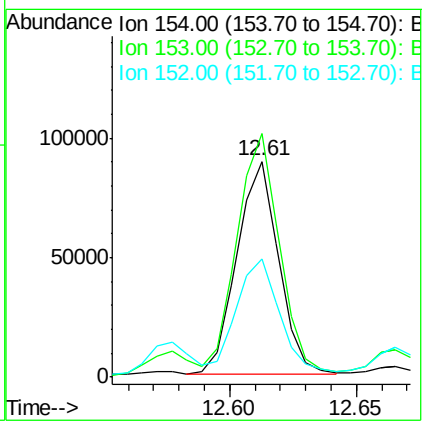


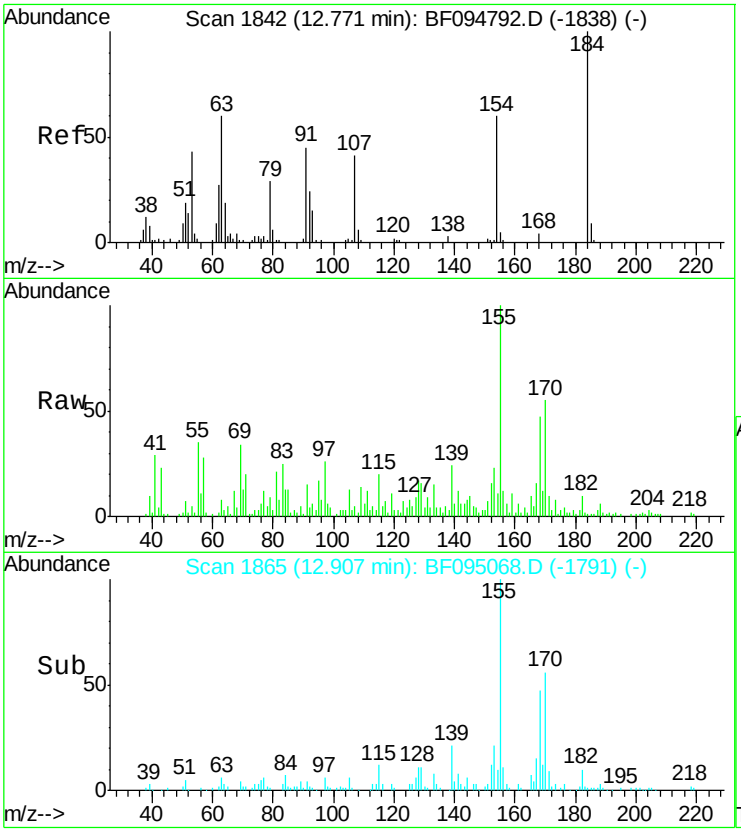


#51
Acenaphthene
Concen: 11.33 ng
RT: 12.61 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:154 Resp: 101686

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.5	135.7
152	54.5	43.6	65.4



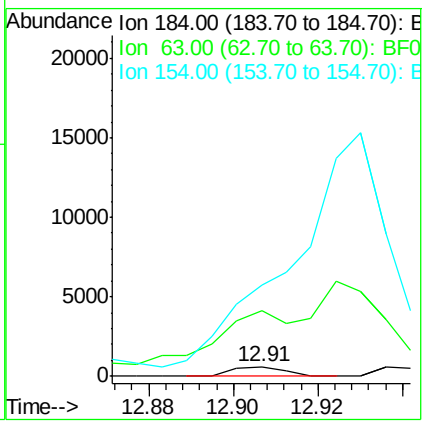


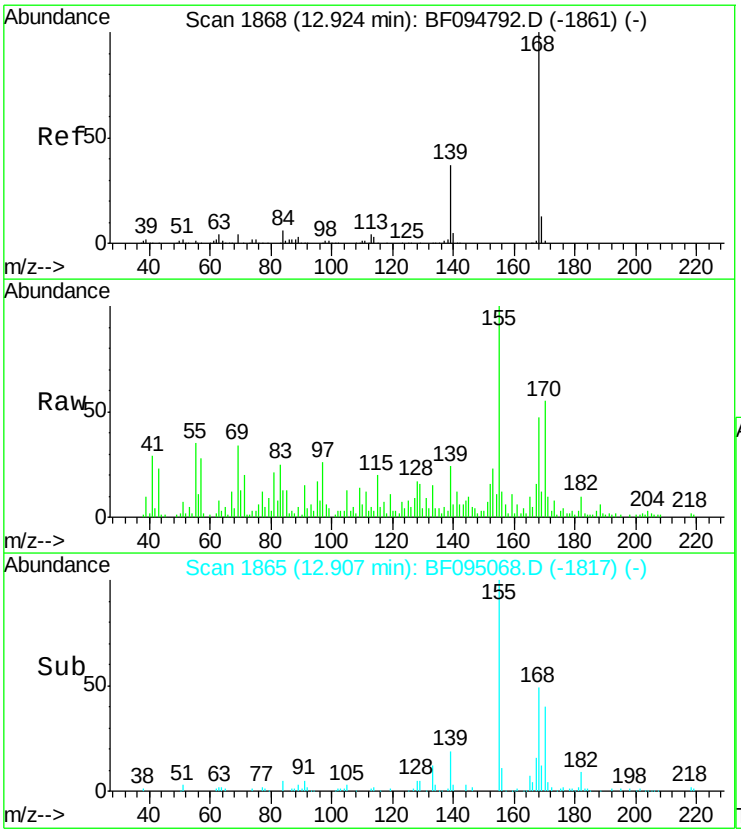
#53
2,4-Dinitrophenol
Concen: 6.61 ng
RT: 12.91 min Scan# 1865
Delta R.T. 0.14 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:184 Resp: 519

Ion	Ratio	Lower	Upper
184	100		
63	671.8	62.7	94.1#
154	933.9	81.1	121.7#

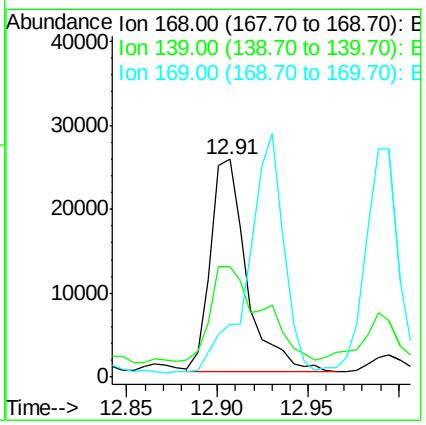


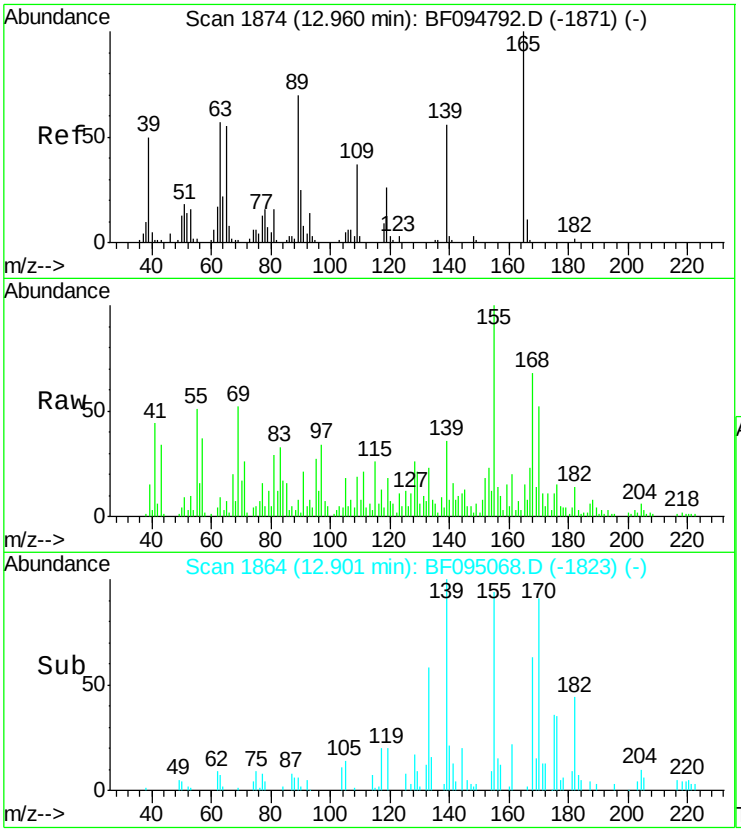


#54
Dibenzofuran
Concen: 2.82 ng
RT: 12.91 min Scan# 1865
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:168 Resp: 35067

Ion	Ratio	Lower	Upper
168	100		
139	50.7	30.6	45.8#
169	24.5	10.8	16.2#



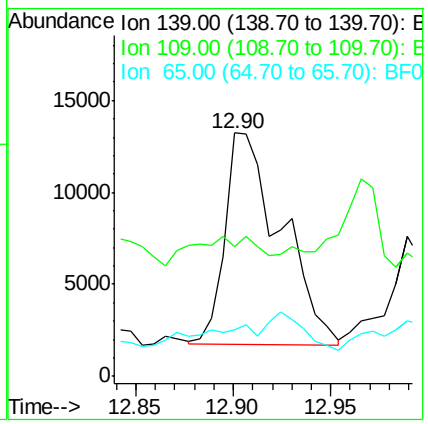


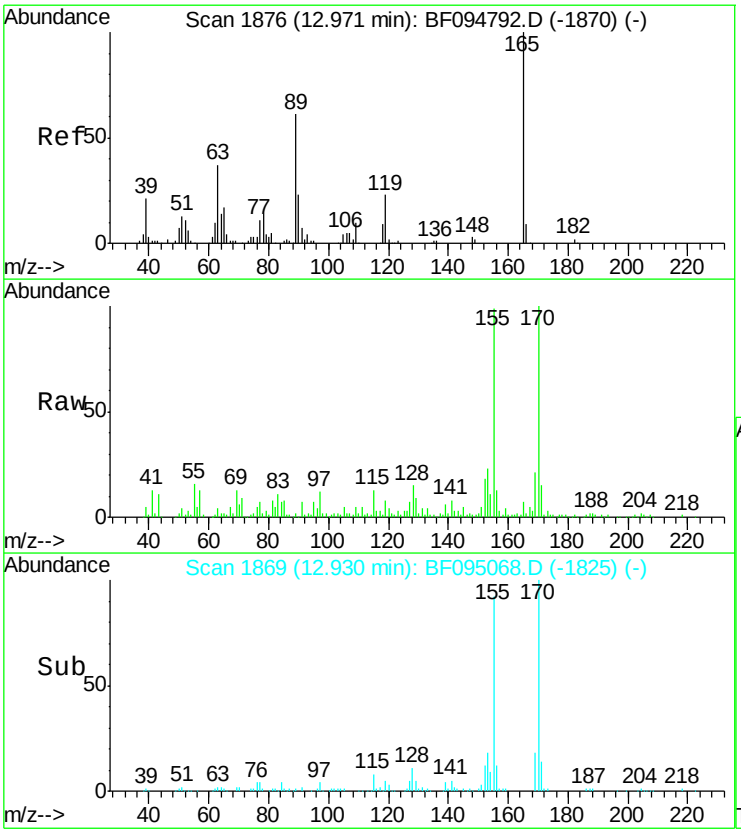
#55
4-Nitrophenol
Concen: 15.07 ng
RT: 12.90 min Scan# 1864
Delta R.T. -0.06 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:139 Resp: 22957

Ion	Ratio	Lower	Upper
139	100		
109	53.5	34.1	74.1
65	19.3	31.4	71.4#

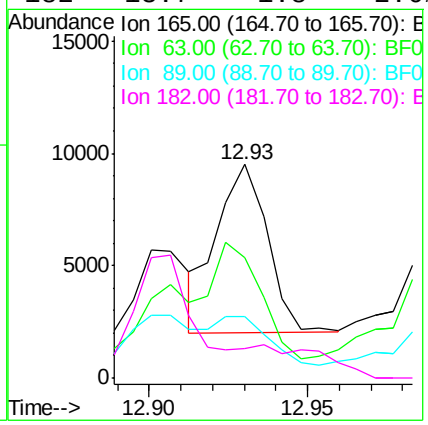


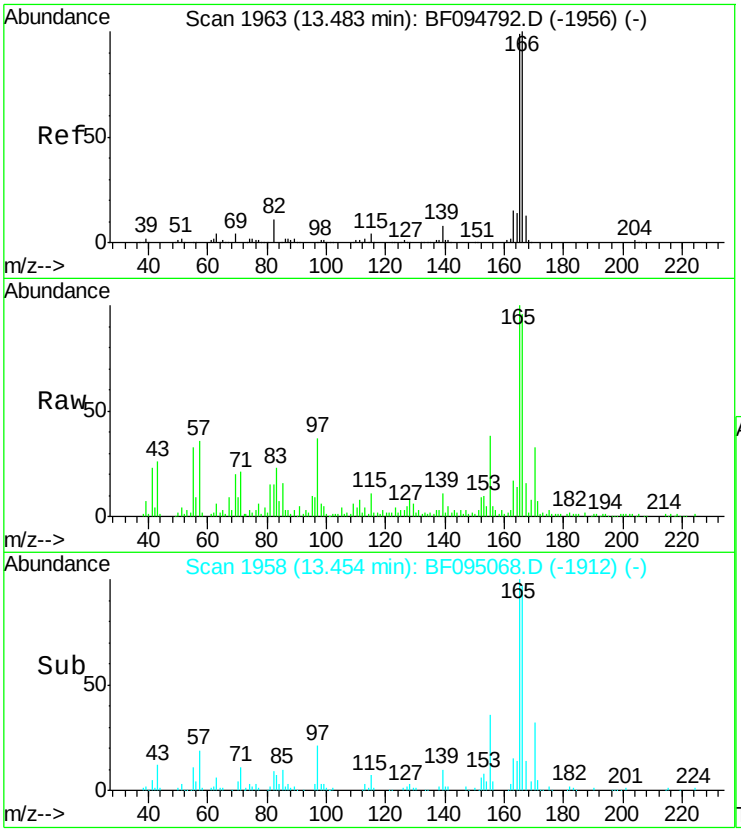


#56
2,4-Dinitrotoluene
Concen: 2.71 ng
RT: 12.93 min Scan# 1869
Delta R.T. -0.04 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:165 Resp: 8231

Ion	Ratio	Lower	Upper
165	100		
63	56.3	25.4	38.0#
89	28.7	46.4	69.6#
182	13.7	1.8	2.6#



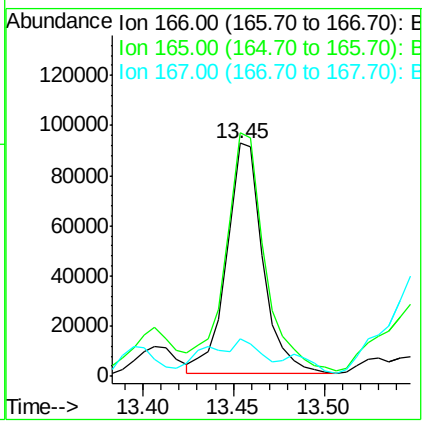


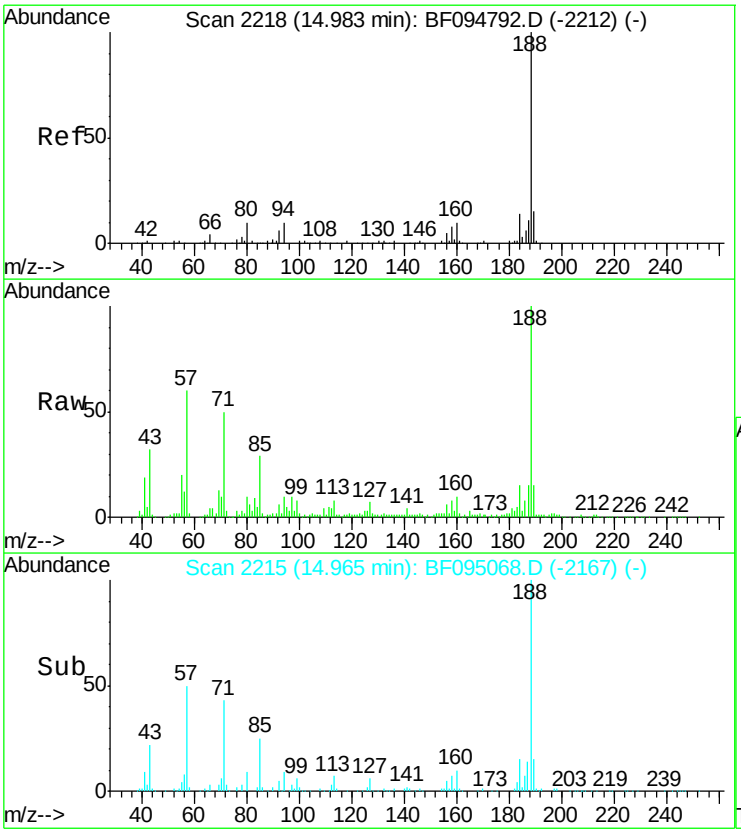
#57
Fluorene
Concen: 11.77 ng
RT: 13.45 min Scan# 1958
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:166 Resp: 127096

Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.8	118.2
167	16.3	10.6	16.0#

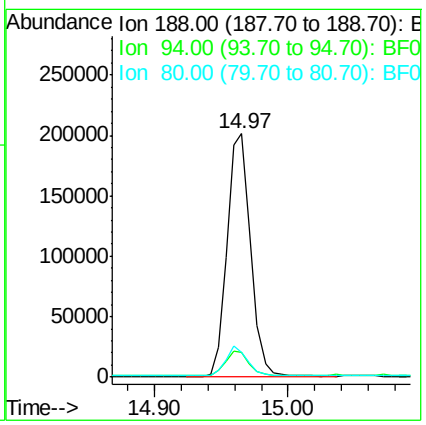


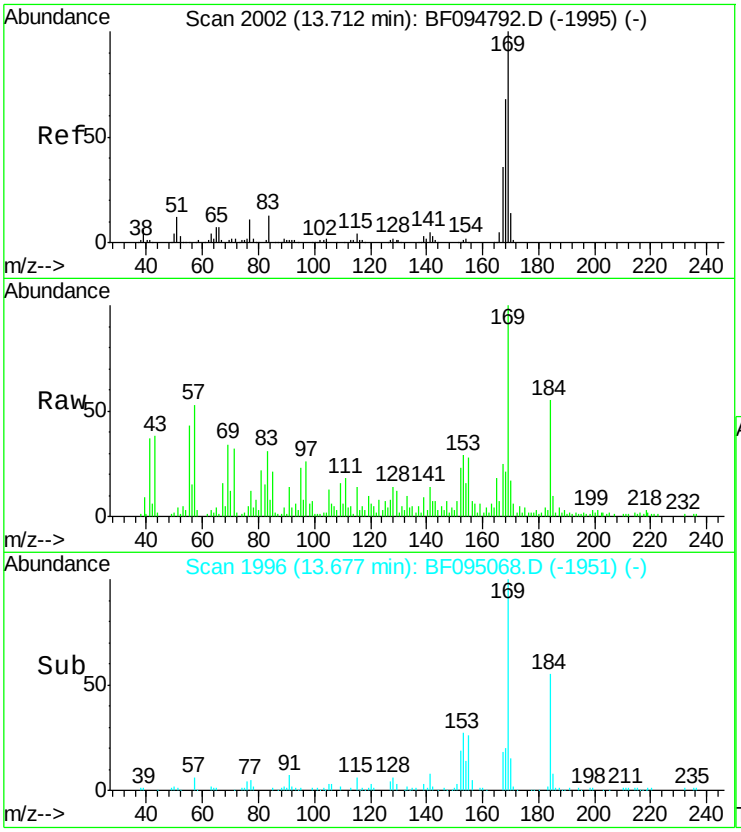


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:188 Resp: 251880

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



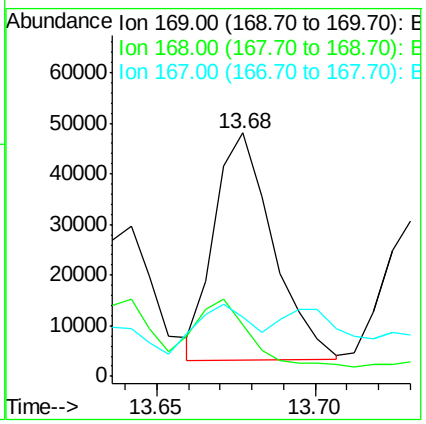


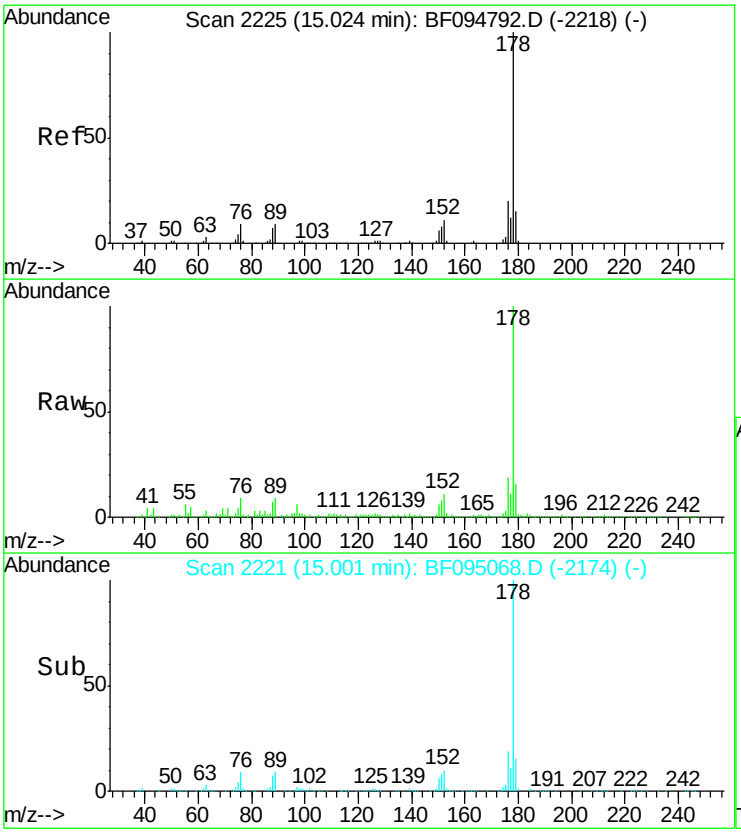
#65
n-Nitrosodiphenylamine
Concen: 6.28 ng
RT: 13.68 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:169 Resp: 57393

Ion	Ratio	Lower	Upper
169	100		
168	21.2	53.2	79.8#
167	24.6	29.5	44.3#

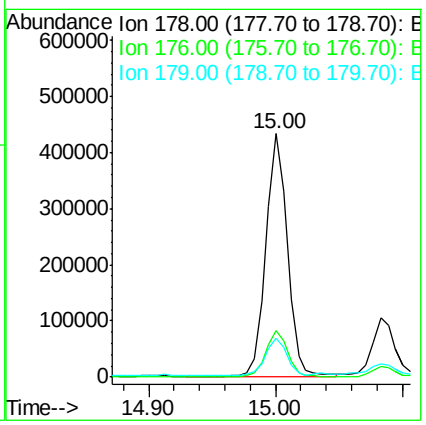


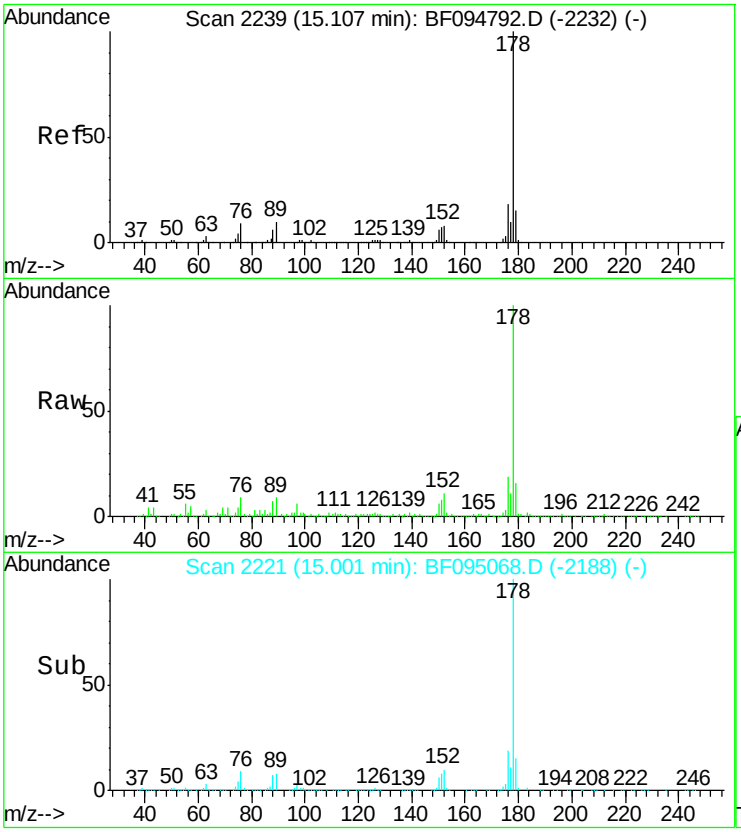


#70
Phenanthrene
Concen: 35.19 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:178 Resp: 509217

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.7	12.6	19.0



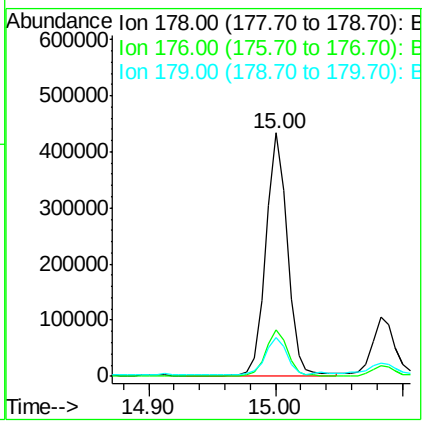


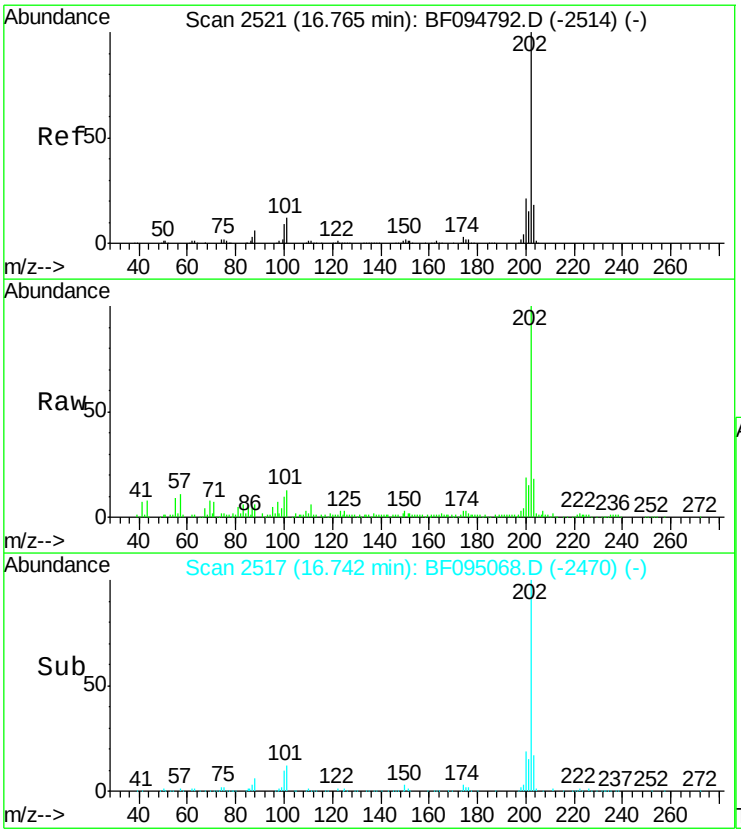
#71
Anthracene
Concen: 34.45 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.11 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:178 Resp: 509217

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.7	12.7	19.1

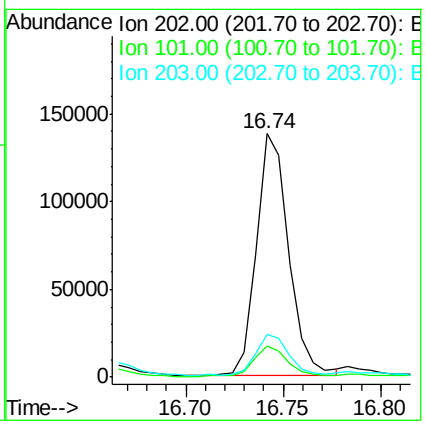


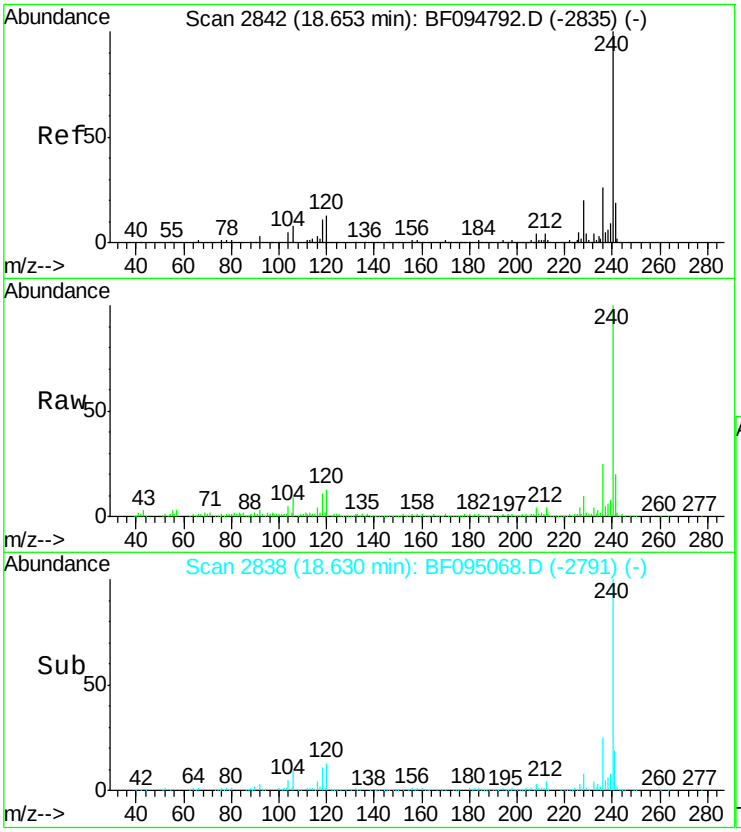


#74
Fluoranthene
Concen: 10.53 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:202 Resp: 156286

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	38.1



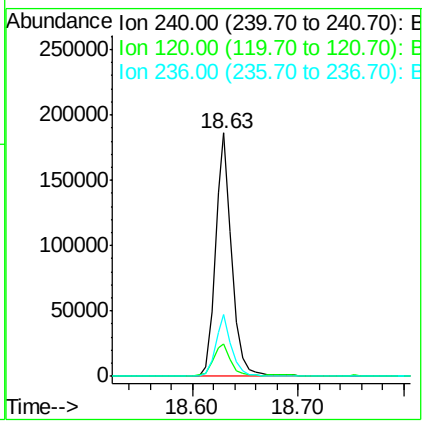


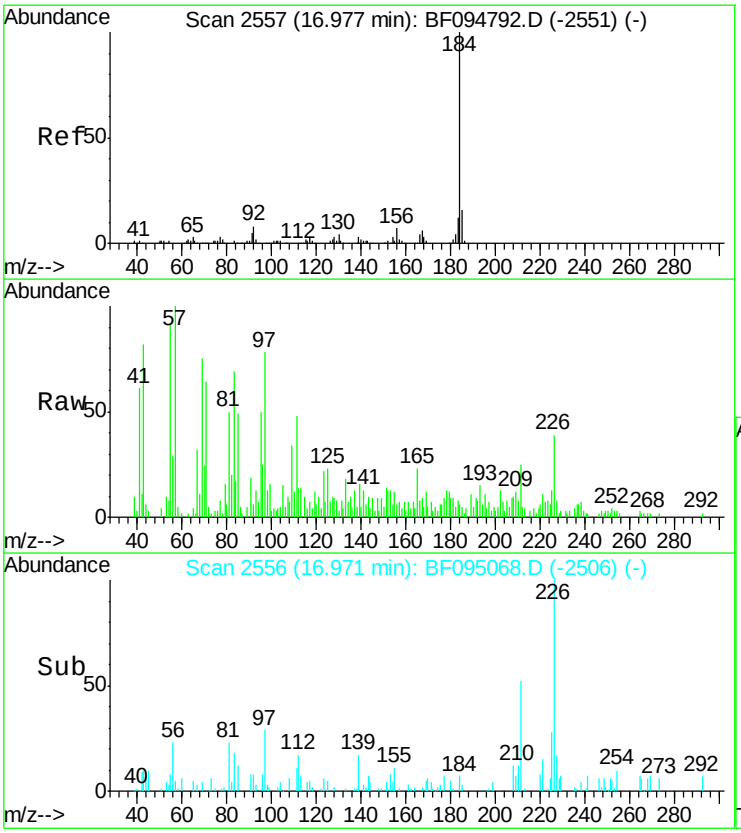
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:240 Resp: 201061

Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.5	20.5	30.7

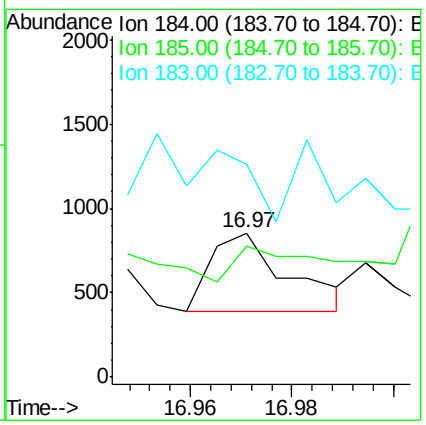


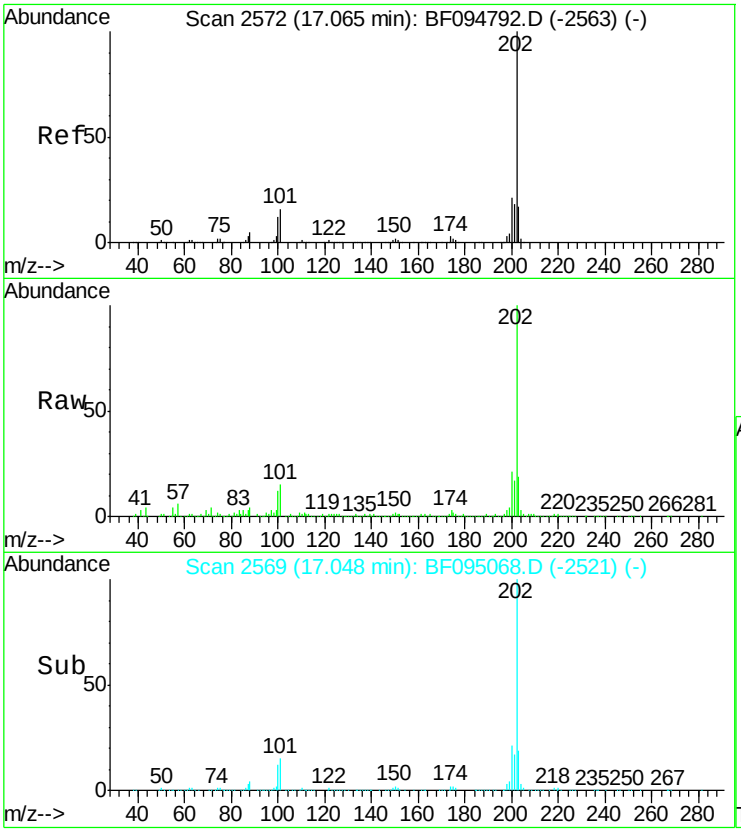


#76
Benzidine
Concen: 6.67 ng
RT: 16.97 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:184 Resp: 486

Ion	Ratio	Lower	Upper
184	100		
185	91.0	15.5	23.3#
183	147.4	9.8	14.6#



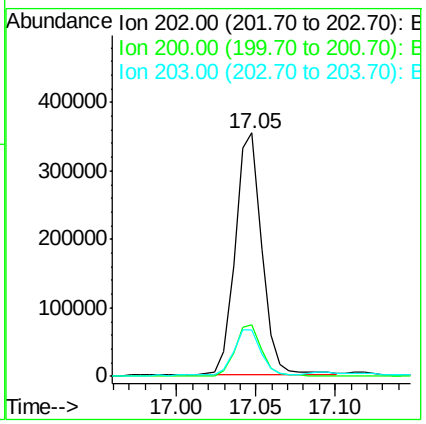


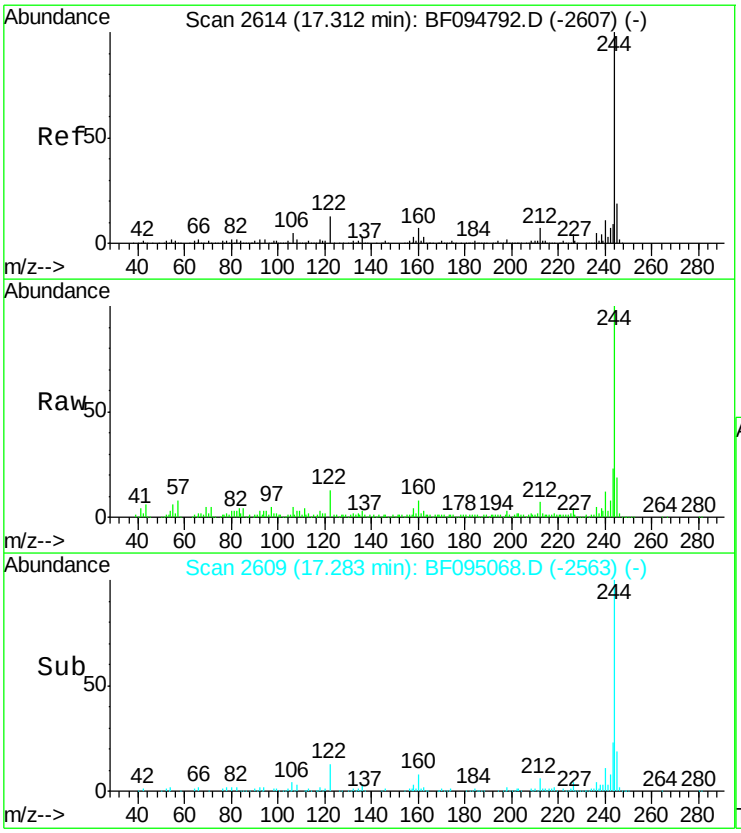
#77
Pyrene
Concen: 27.41 ng
RT: 17.05 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:202 Resp: 412163

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	19.0	14.4	21.6

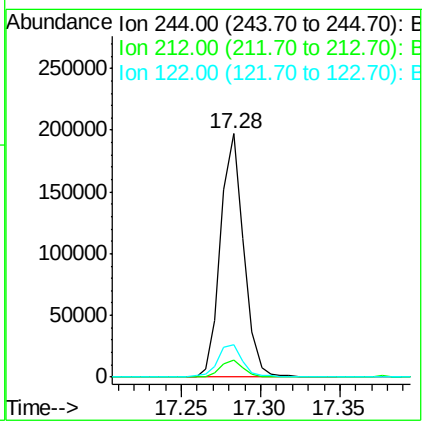


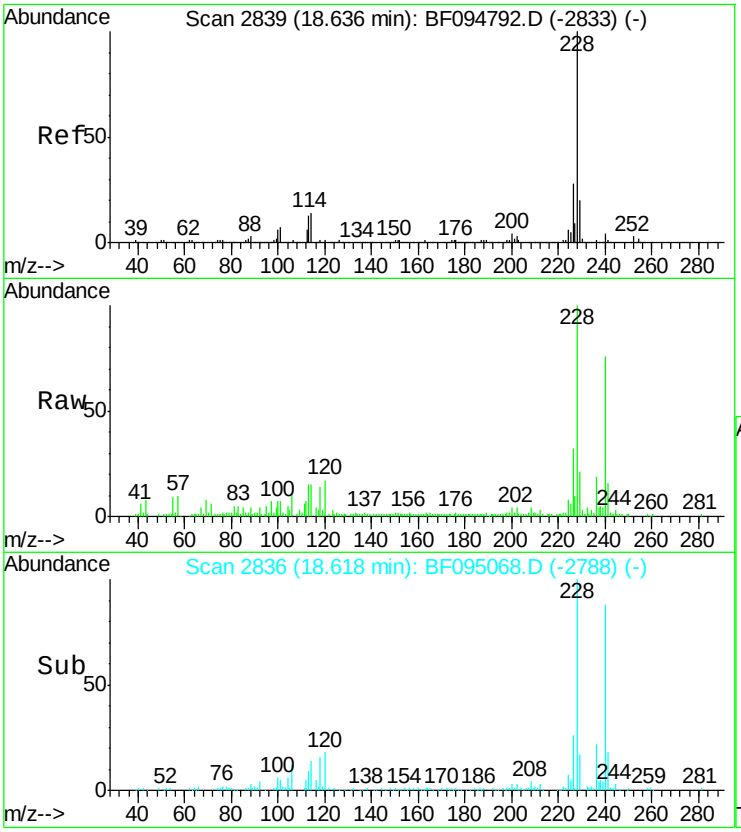


#78
Terphenyl-d14
Concen: 21.92 ng
RT: 17.28 min Scan# 2609
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:244 Resp: 200086

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.4	10.3	15.5



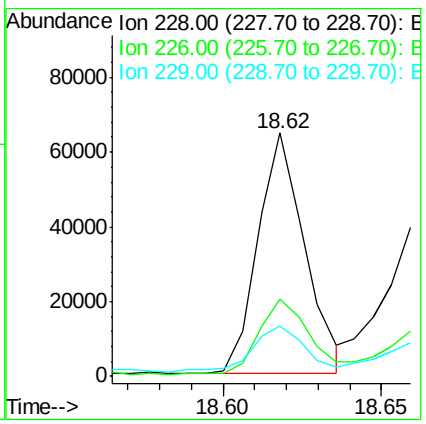


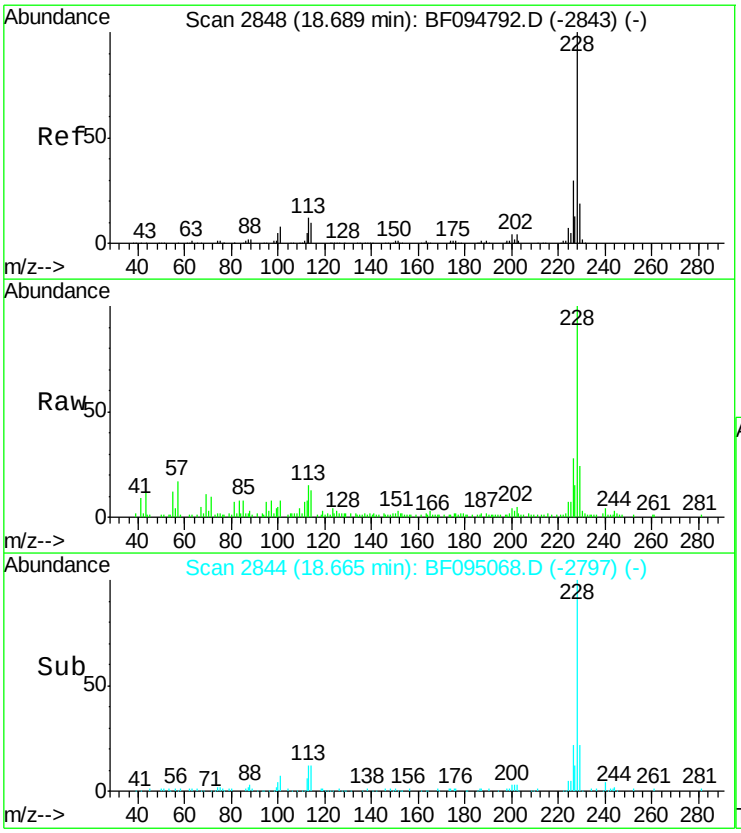
#80
Benzo(a)anthracene
Concen: 5.66 ng
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:228 Resp: 66195

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	20.6	16.3	24.5

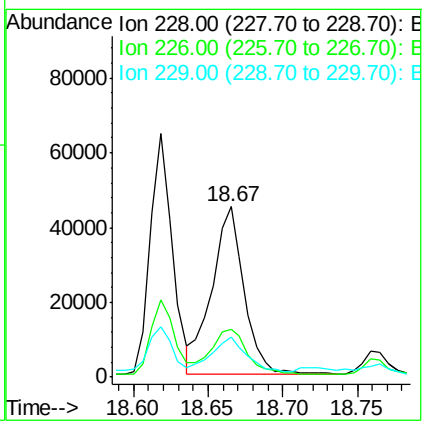


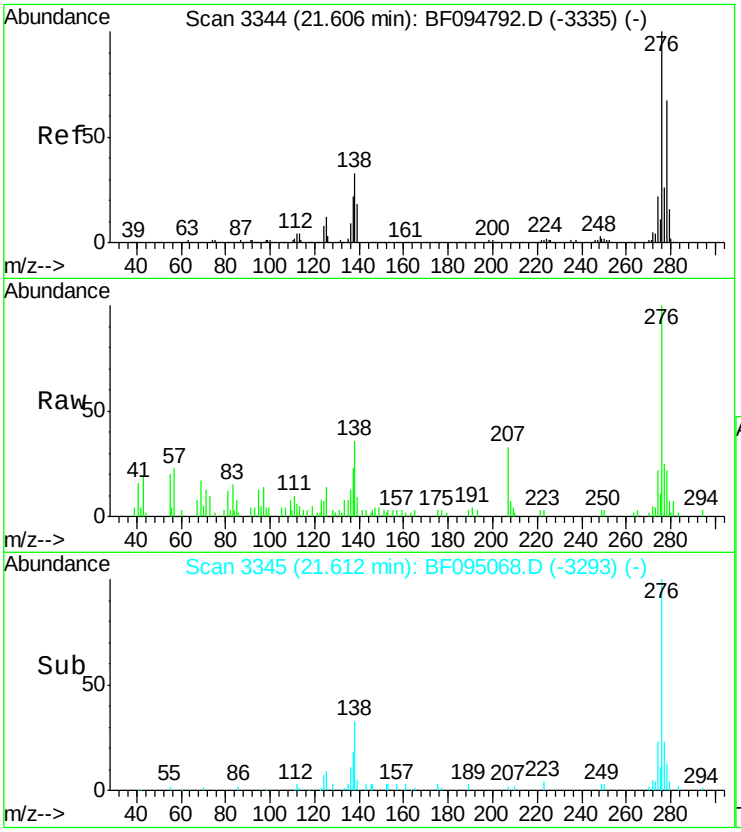


#82
Chrysene
Concen: 6.10 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:228 Resp: 69065

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	23.5	15.8	23.6



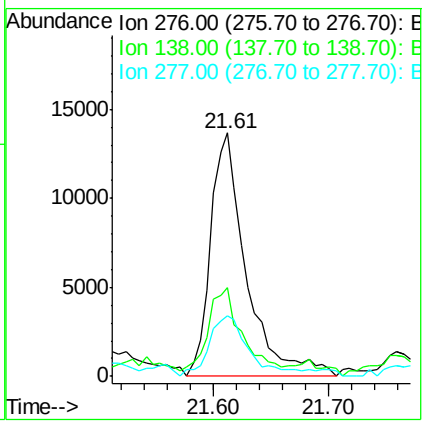


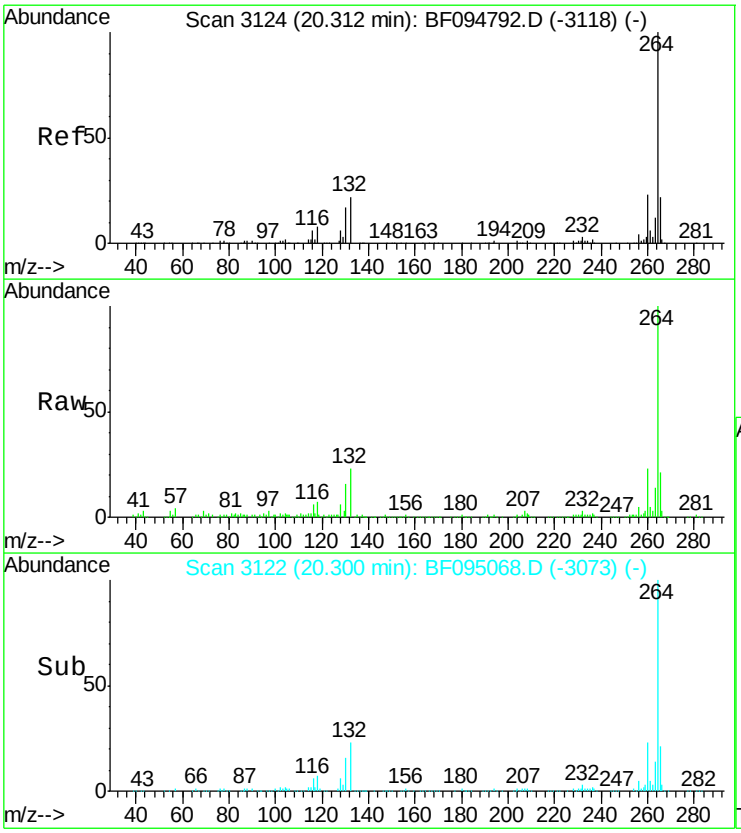
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.18 ng
RT: 21.61 min Scan# 3345
Delta R.T. 0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:276 Resp: 29239

Ion	Ratio	Lower	Upper
276	100		
138	31.0	27.8	41.6
277	27.8	20.2	30.4

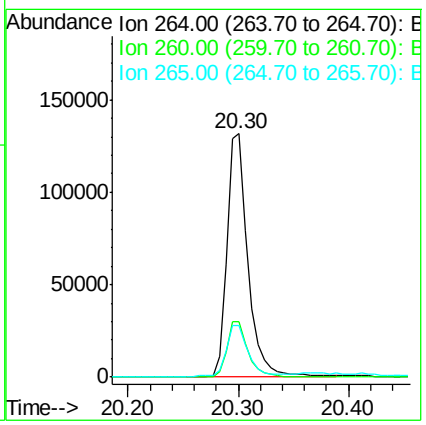


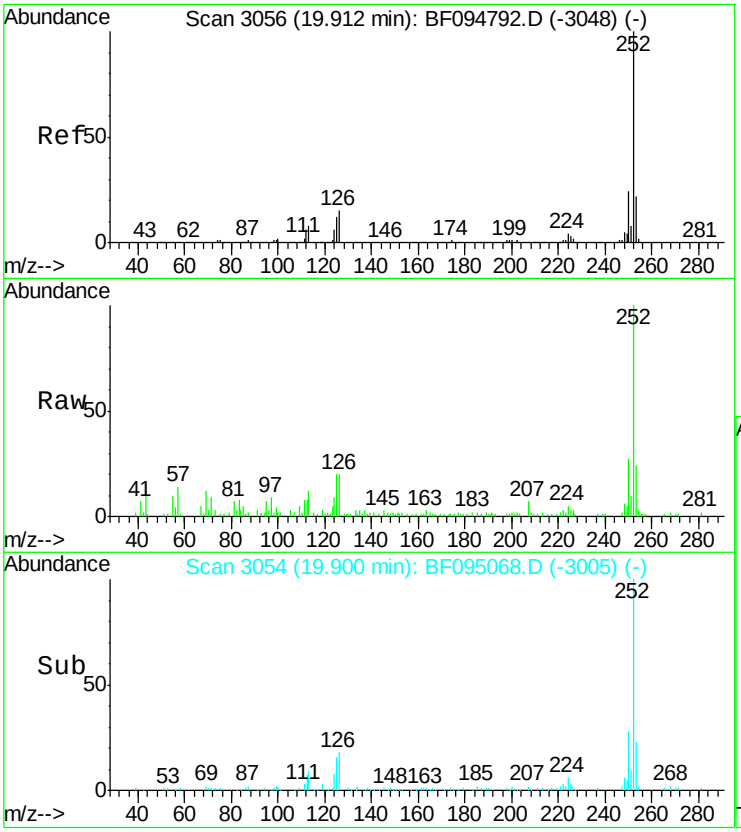


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:264 Resp: 174997

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.2	17.2	25.8



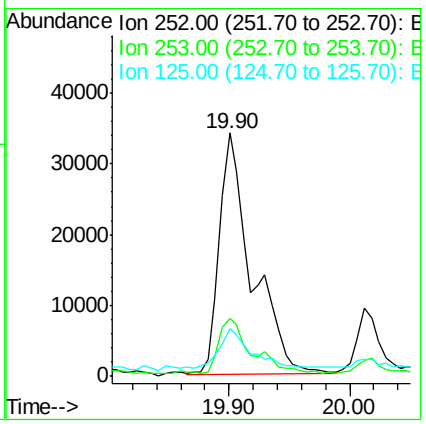


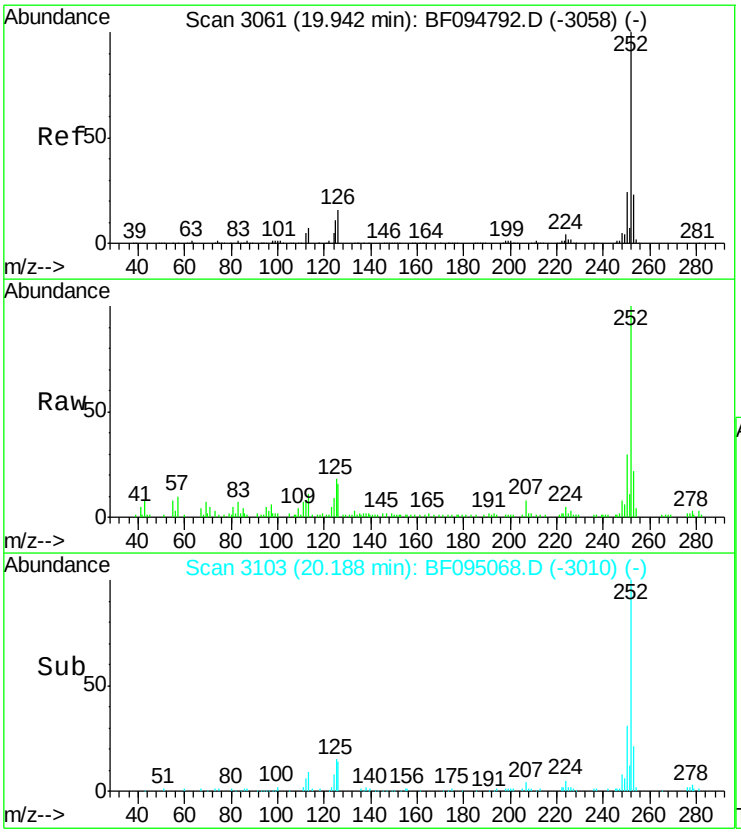
#87
Benzo(b)fluoranthene
Concen: 5.88 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:252 Resp: 63600

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	19.8	9.8	14.8#

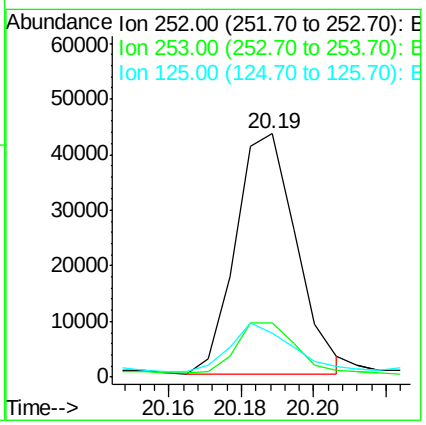


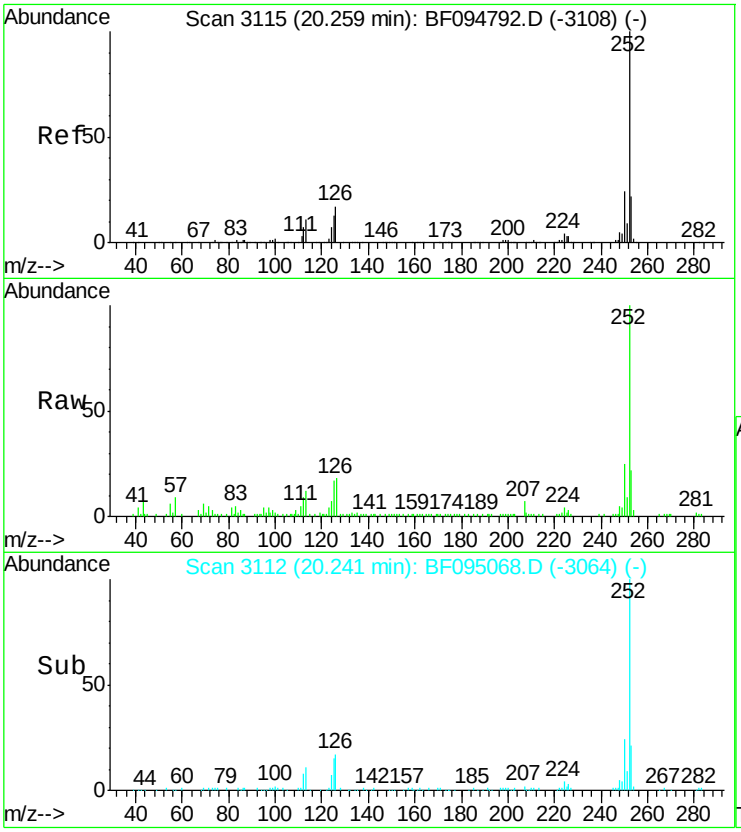


#88
Benzo(k)fluoranthene
Concen: 4.85 ng
RT: 20.19 min Scan# 3103
Delta R.T. 0.25 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:252 Resp: 50593

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	18.1	13.1	19.7



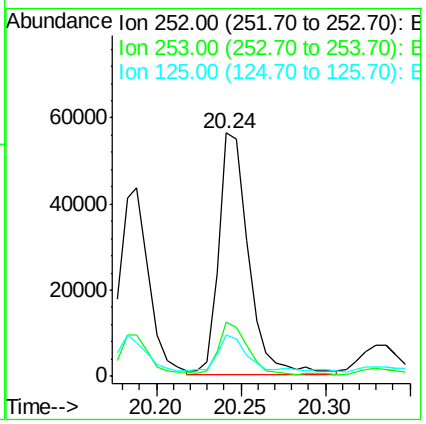


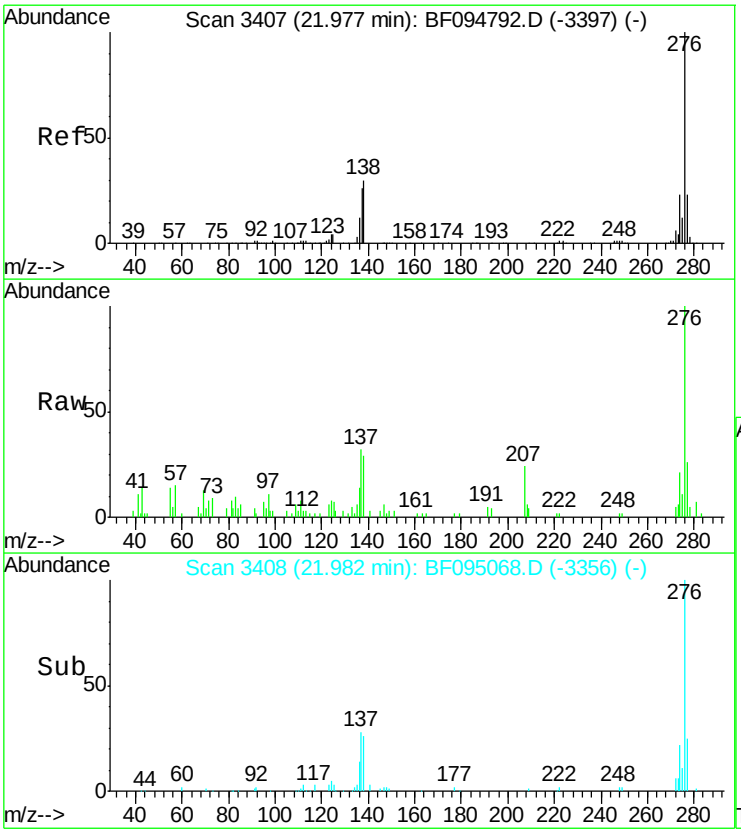
#89
Benzo(a)pyrene
Concen: 6.98 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tgt Ion:252 Resp: 69627

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.0	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 5.21 ng
RT: 21.98 min Scan# 3408
Delta R.T. 0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion:276 Resp: 42164

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	28.9	25.4	38.0