Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 25 01:09:28 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	83179	20.00	ng		-0.02
21) Naphthalene-d8	9.77	136	295773	20.00	ng		-0.01
38) Acenaphthene-d10	12.60	164	115915	20.00	ng		-0.02
63) Phenanthrene-d10	15.01	188	186254	20.00	ng		-0.02
75) Chrysene-d12	18.68	240	186238	20.00	ng		-0.02
86) Perylene-d12	20.36	264	118330	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.72	112	588534	117.96	ng		-0.02
7) Phenol-d6	7.30	99	694951	116.09	ng		-0.02
23) Nitrobenzene-d5	8.65	82	386086	82.31	ng		-0.02
41) 2,4,6-Tribromophenol	13.91	330	103796	109.34	ng		-0.01
44) 2-Fluorobiphenyl	11.54	172	660276	81.99	ng		-0.02
78) Terphenyl-d14	17.32	244	474757	56.15	ng		-0.02
Target Compounds							Qvalue
10) Phenol	7.32	94	13742	2.18	ng	#	30
15) Benzyl Alcohol	8.09	79	21546	5.60	ng		96
19) n-Nitroso-di-n-propylamine	8.65	70	46788	11.56	ng	#	74
31) Naphthalene	9.81	128	55480	3.73	ng		98
37) 2-Methylnaphthalene	10.94	142	45584	4.67	ng		97
49) Dimethylphthalate	12.24	163	113546	11.93	ng		98
51) Acenaphthene	12.65	154	24069	3.26	ng		94
54) Dibenzofuran	12.95	168	31519	3.09	ng		99
57) Fluorene	13.51	166	27715	3.12	ng		96
70) Phenanthrene	15.04	178	345616	32.30	ng		97
71) Anthracene	15.13	178	80694	7.38	ng		97
72) Carbazole	15.42	167	37590	3.78	ng		95
74) Fluoranthene	16.78	202	464301	42.30	ng		98
76) Benzidine	17.02	184	490	6.67	ng	#	1
77) Pyrene	17.09	202	422931	30.36	ng		97
80) Benzo(a)anthracene	18.67	228	198293	18.29	ng		98
82) Chrysene	18.71	228	184261	17.58	ng		98
85) Indeno(1,2,3-cd)pyrene	21.69	276	54384	6.39	ng		97
87) Benzo(b)fluoranthene	19.95	252	213624	29.22	ng	#	97
88) Benzo(k)fluoranthene	19.95	252	213624	30.29	ng		99
89) Benzo(a)pyrene	20.30	252	105343	15.61	ng		95
90) Dibenzo(a,h)anthracene	21.69	278	16243	2.92	ng	#	76
91) Benzo(g,h,i)perylene	22.08	276	52995	9.69	ng		97

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

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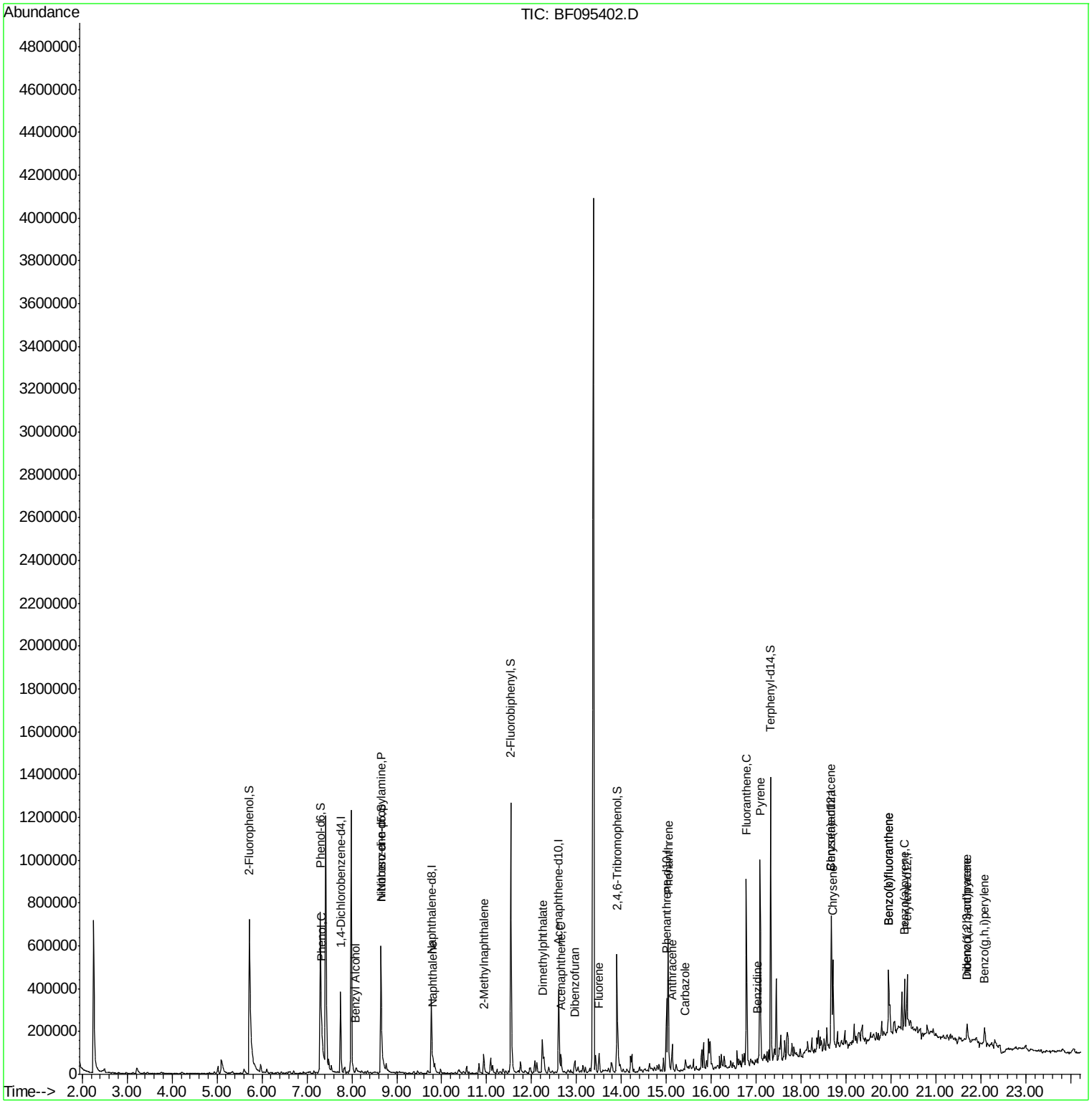
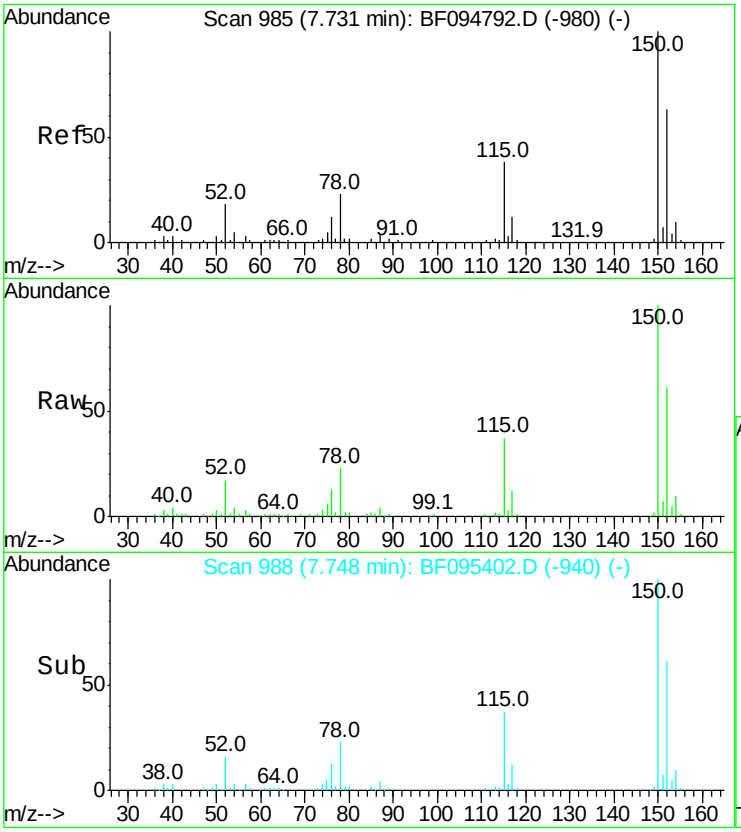


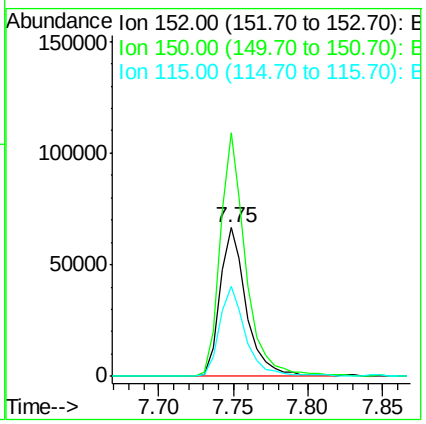


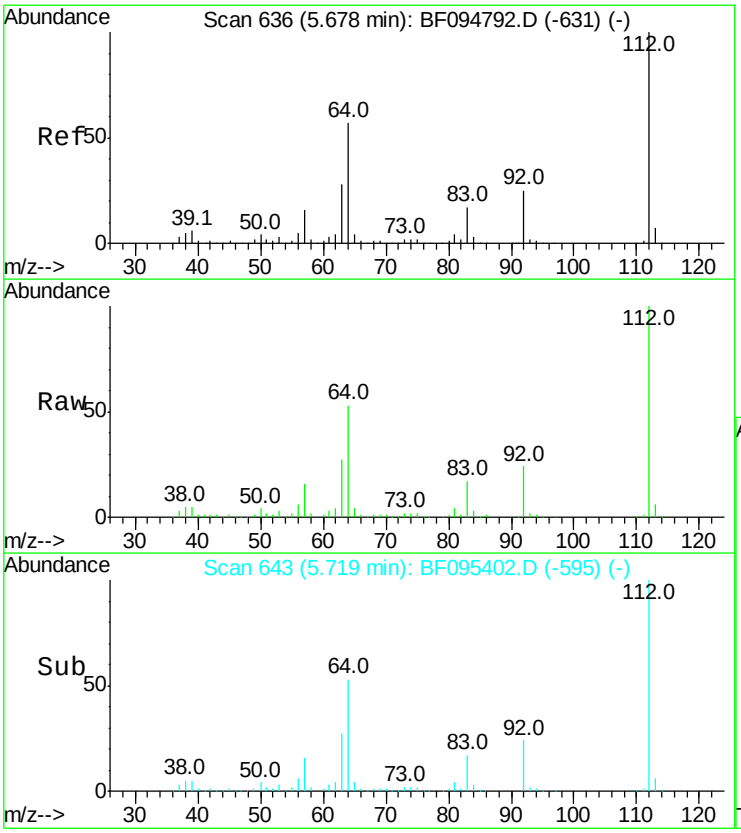
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 83179

Ion	Ratio	Lower	Upper
152	100		
150	163.9	126.2	189.2
115	60.6	52.2	78.2

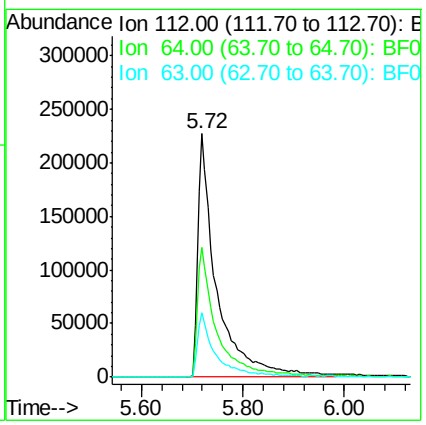


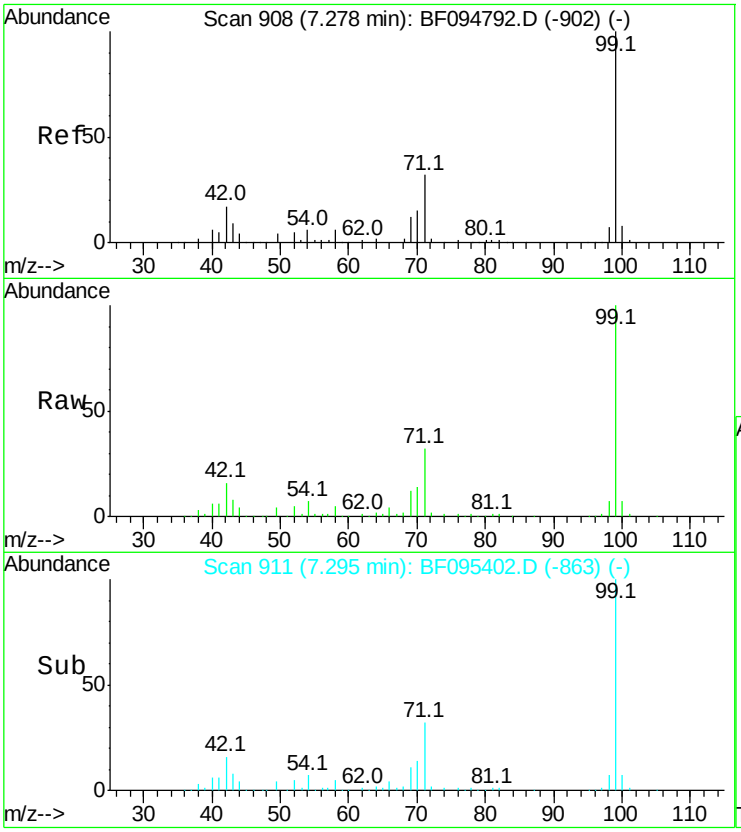


#5
2-Fluorophenol
Concen: 117.96 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:112 Resp: 588534

Ion	Ratio	Lower	Upper
112	100		
64	53.4	46.0	69.0
63	26.7	23.4	35.0



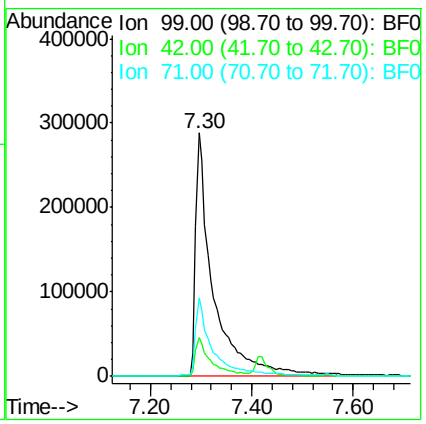


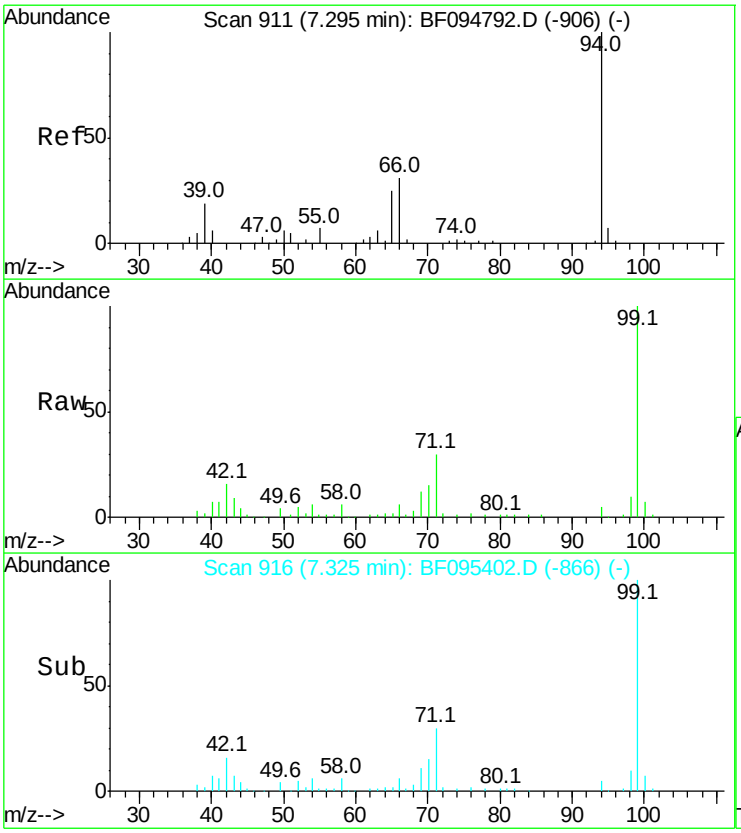
#7
Phenol-d6
Concen: 116.09 ng
RT: 7.30 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 694951

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	32.4	24.5	36.7

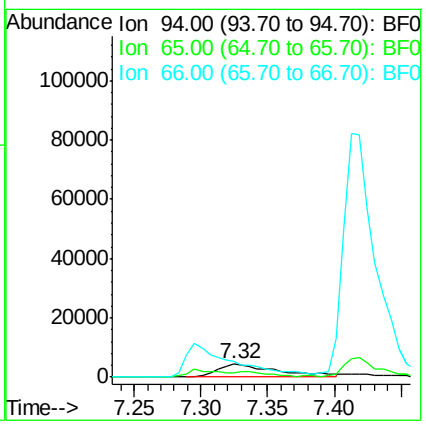


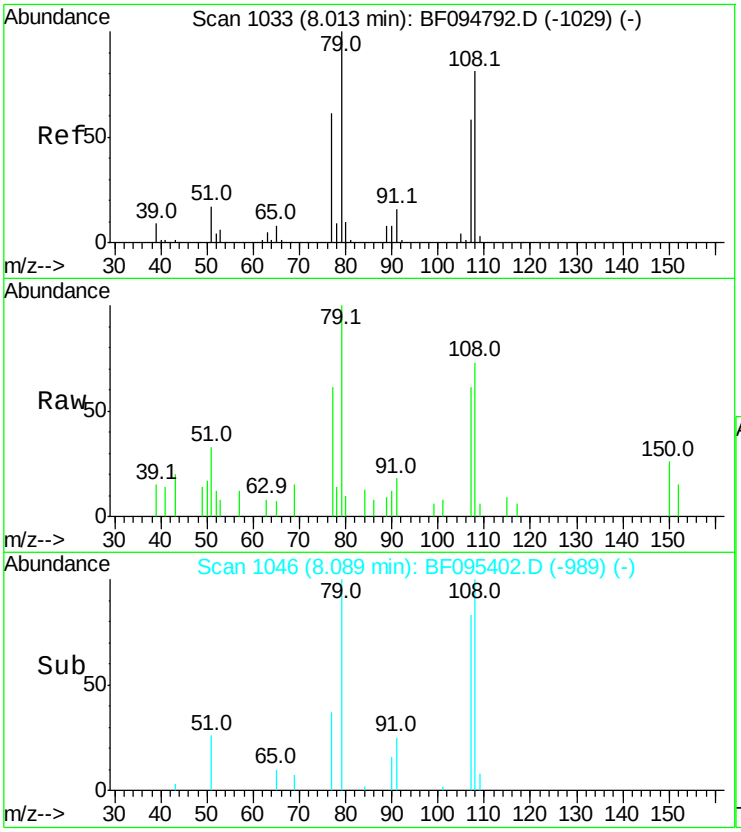


#10
Phenol
Concen: 2.18 ng
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion: 94 Resp: 13742

Ion	Ratio	Lower	Upper
94	100		
65	35.1	9.9	49.9
66	114.5	23.1	63.1#



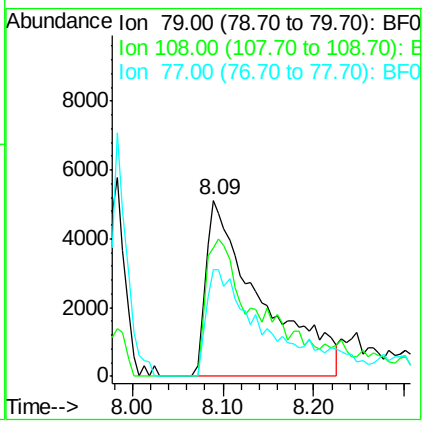


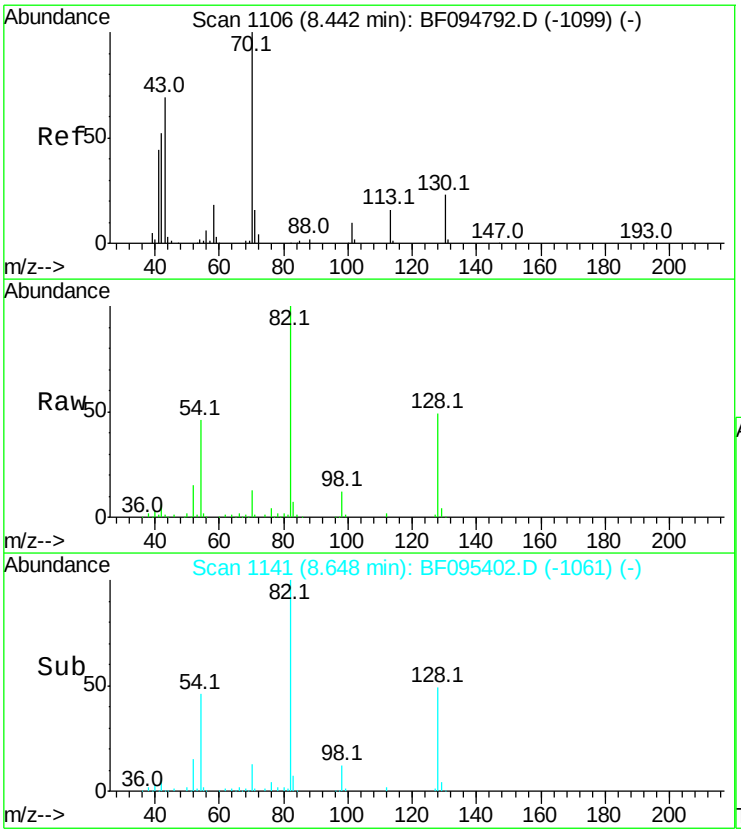
#15
Benzyl Alcohol
Concen: 5.60 ng
RT: 8.09 min Scan# 1046
Delta R.T. 0.04 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 79 Resp: 21546

Ion	Ratio	Lower	Upper
79	100		
108	73.4	63.4	95.0
77	60.5	49.2	73.8

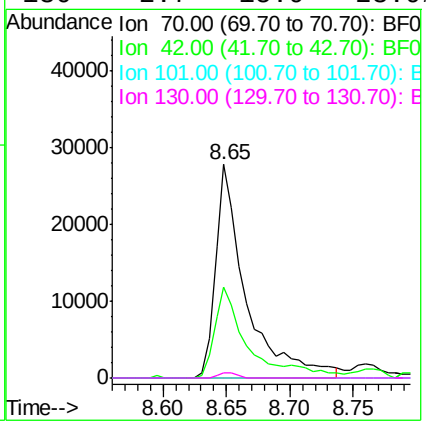


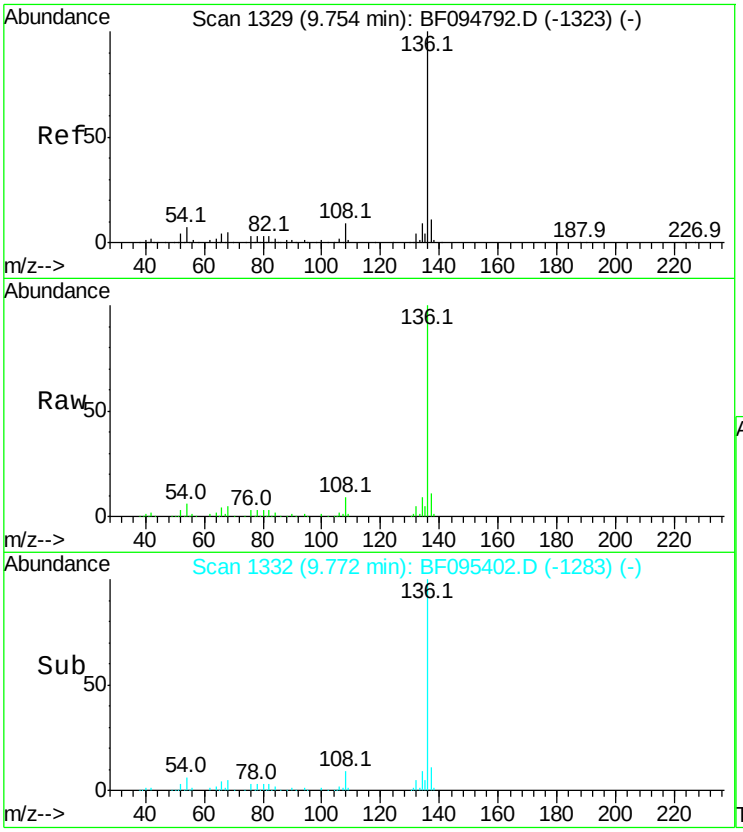


#19
n-Nitroso-di-n-propylamine
Concen: 11.56 ng
RT: 8.65 min Scan# 1141
Delta R.T. 0.17 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion: 70 Resp: 46788

Ion	Ratio	Lower	Upper
70	100		
42	42.3	47.2	70.8#
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#



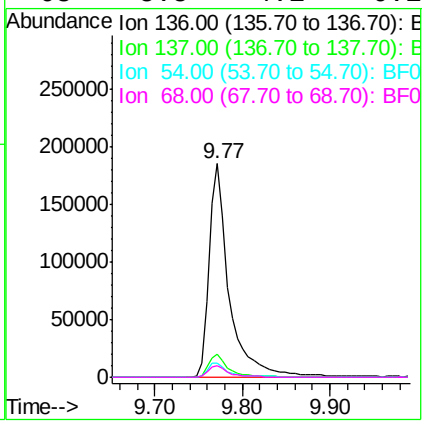


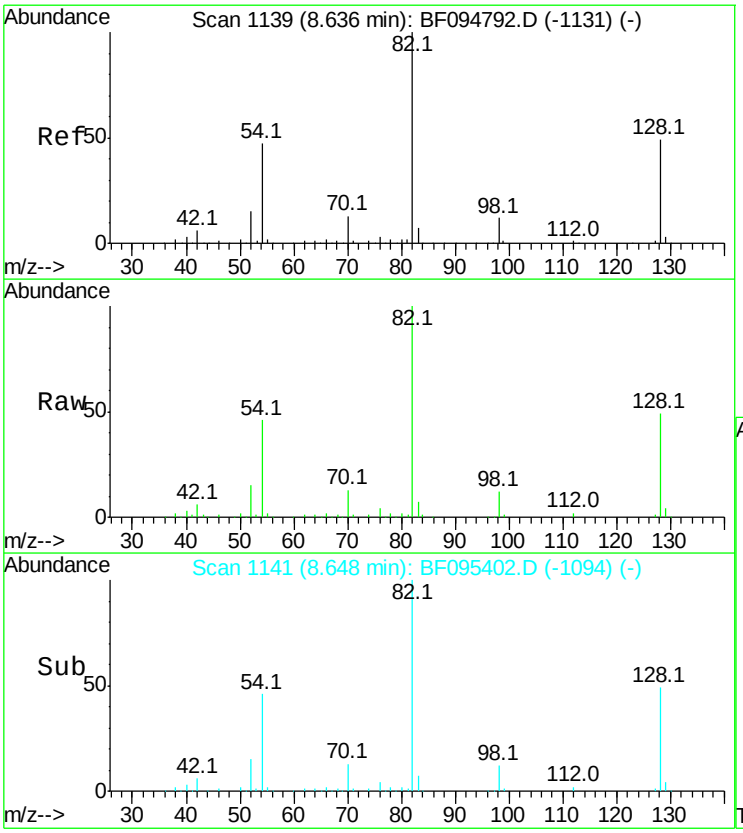
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 295773

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.5	4.9	7.3
68	5.5	4.1	6.1

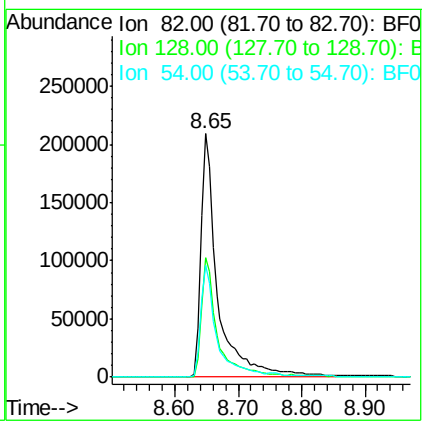


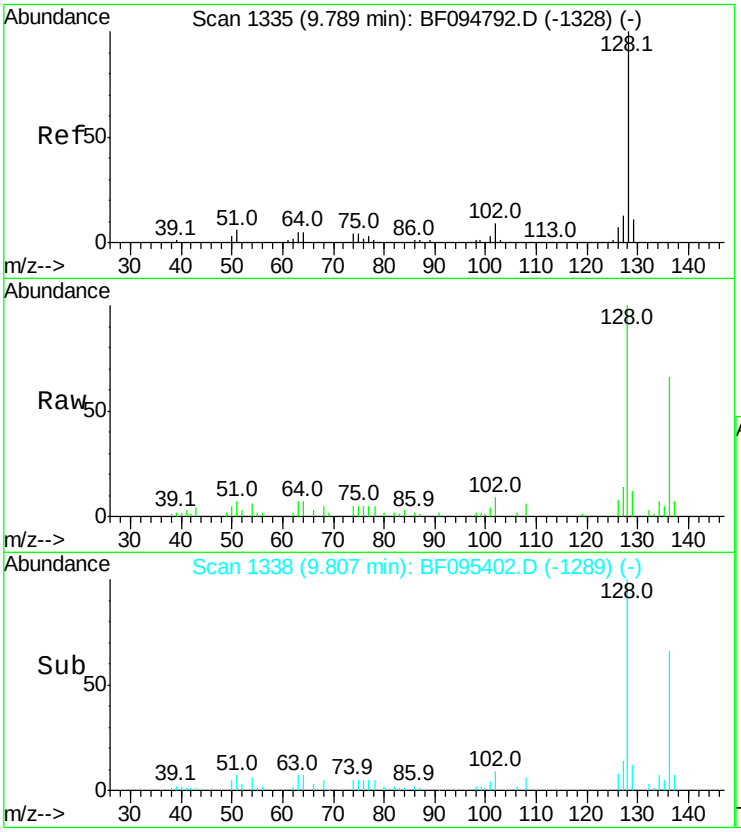


#23
Nitrobenzene-d5
Concen: 82.31 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion: 82 Resp: 386086

Ion	Ratio	Lower	Upper
82	100		
128	49.3	34.0	51.0
54	45.7	42.2	63.2



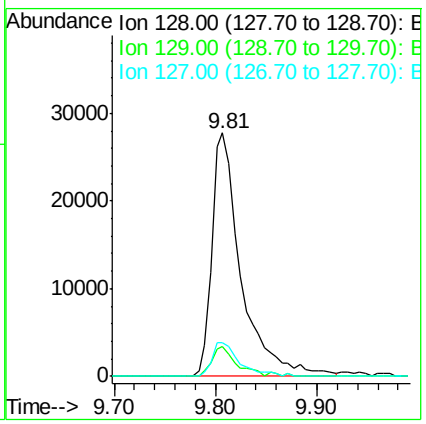


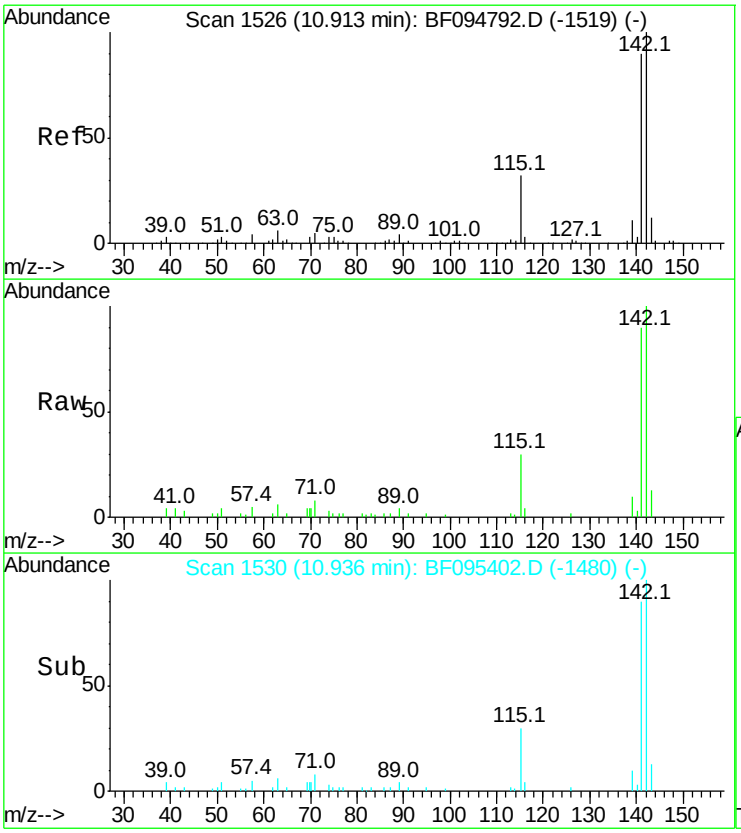
#31
Naphthalene
Concen: 3.73 ng
RT: 9.81 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 55480

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	13.9	10.8	16.2

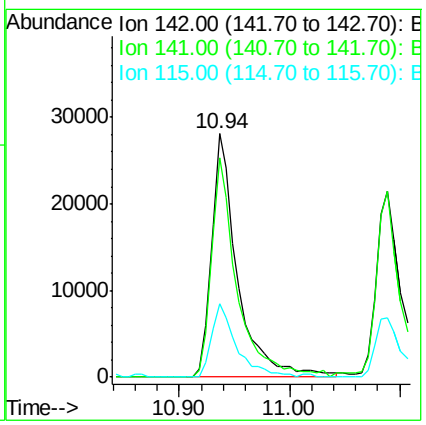


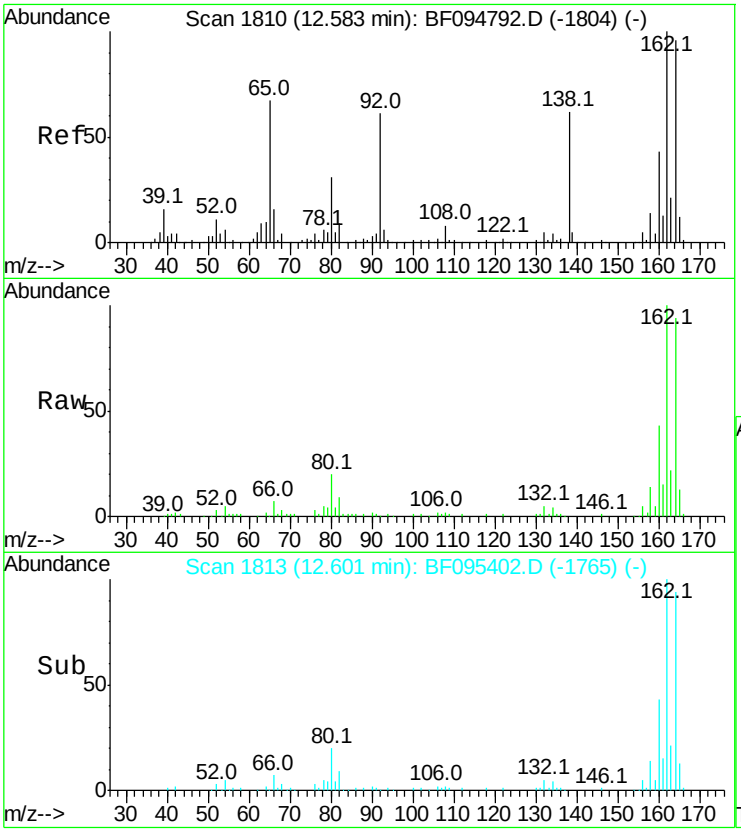


#37
2-Methylnaphthalene
Concen: 4.67 ng
RT: 10.94 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:142 Resp: 45584

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	30.0	27.1	40.7



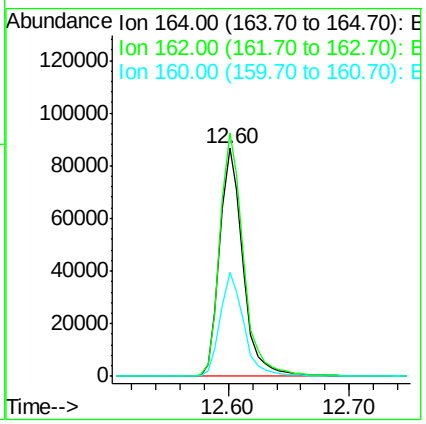


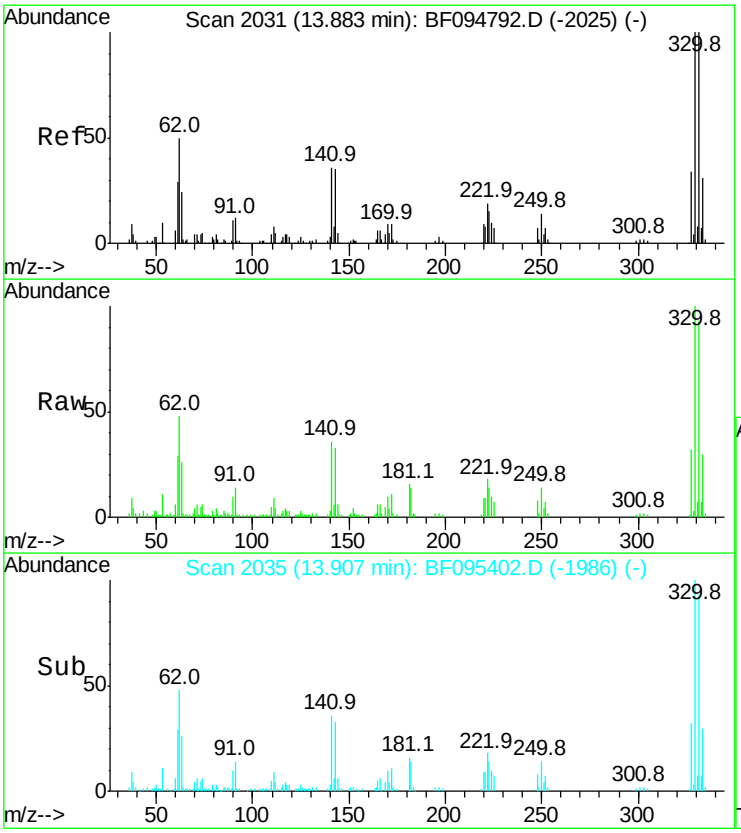
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 115915

Ion	Ratio	Lower	Upper
164	100		
162	106.9	82.6	123.8
160	45.9	36.2	54.2

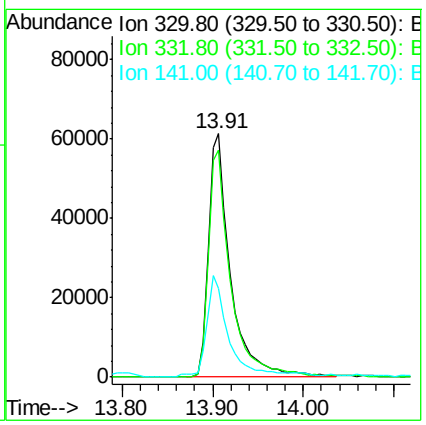


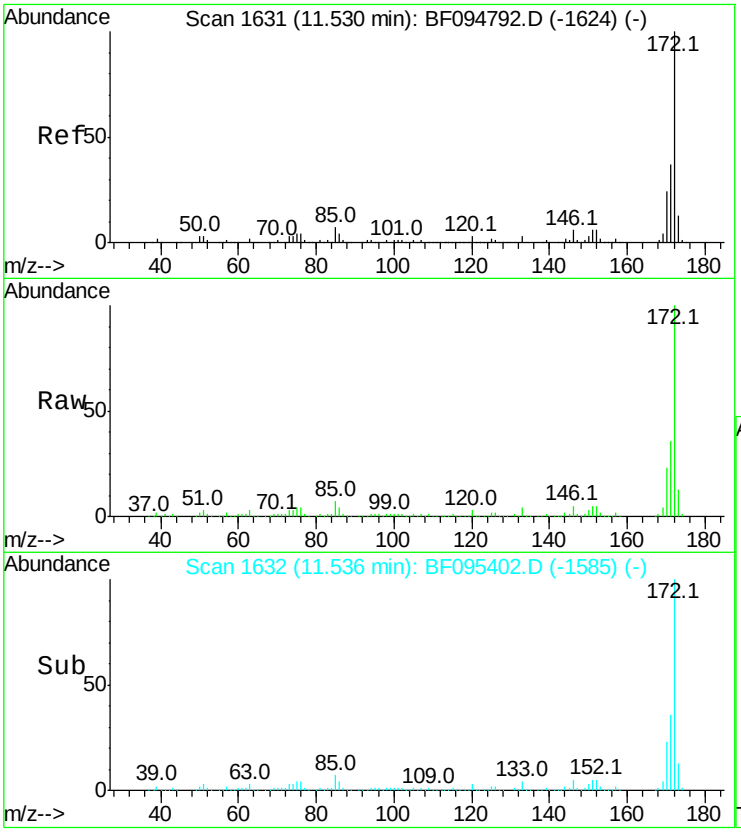


#41
2,4,6-Tribromophenol
Concen: 109.34 ng
RT: 13.91 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:330 Resp: 103796

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	115.0
141	43.3	31.4	47.2



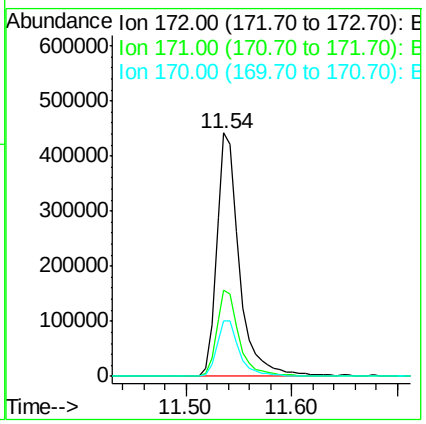


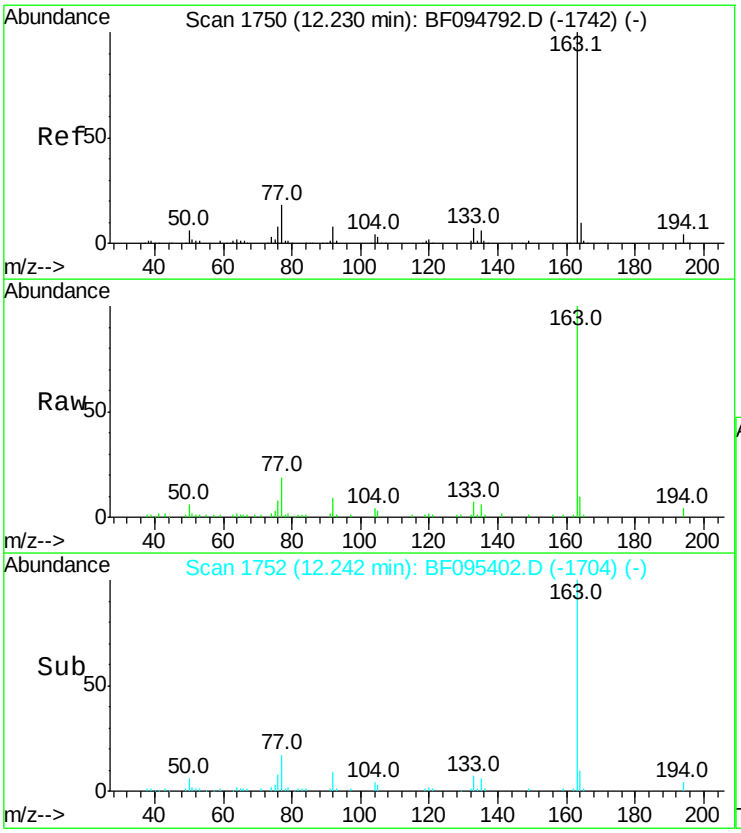
#44
2-Fluorobiphenyl
Concen: 81.99 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 660276

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.0	19.8	29.8

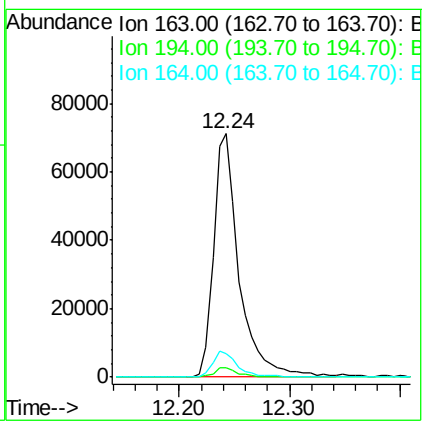


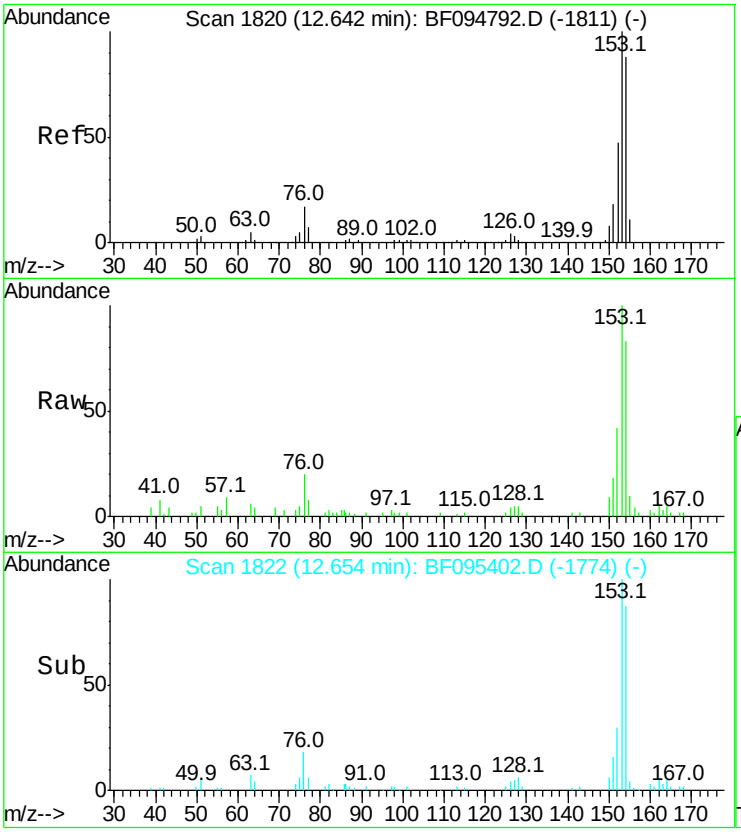


#49
Dimethylphthalate
Concen: 11.93 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:163 Resp: 113546

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.8	8.4	12.6



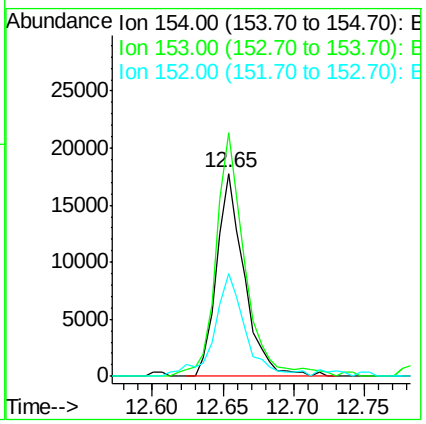


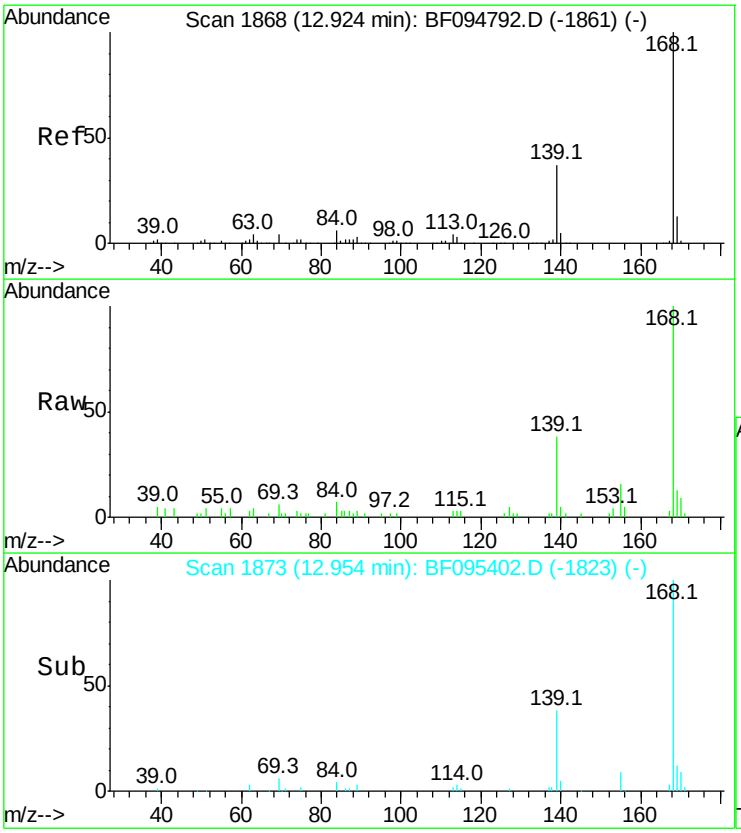
#51
Acenaphthene
Concen: 3.26 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 24069

Ion	Ratio	Lower	Upper
154	100		
153	120.0	90.5	135.7
152	50.8	43.6	65.4

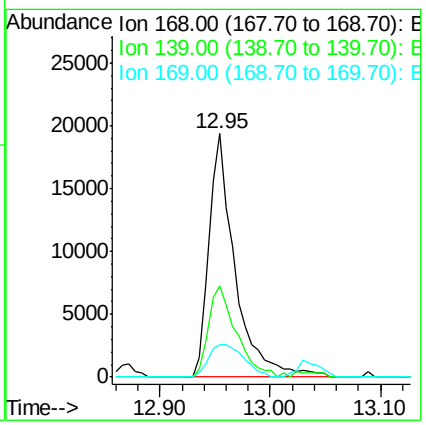


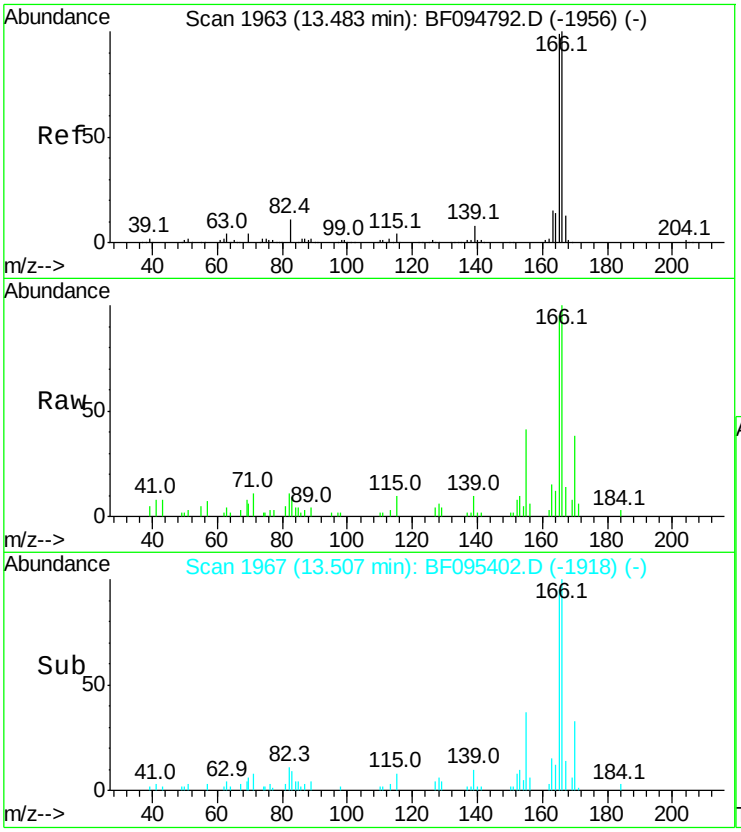


#54
Dibenzofuran
Concen: 3.09 ng
RT: 12.95 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:168 Resp: 31519

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	45.8
169	13.3	10.8	16.2



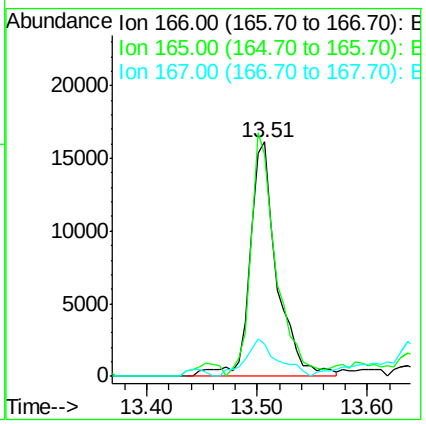


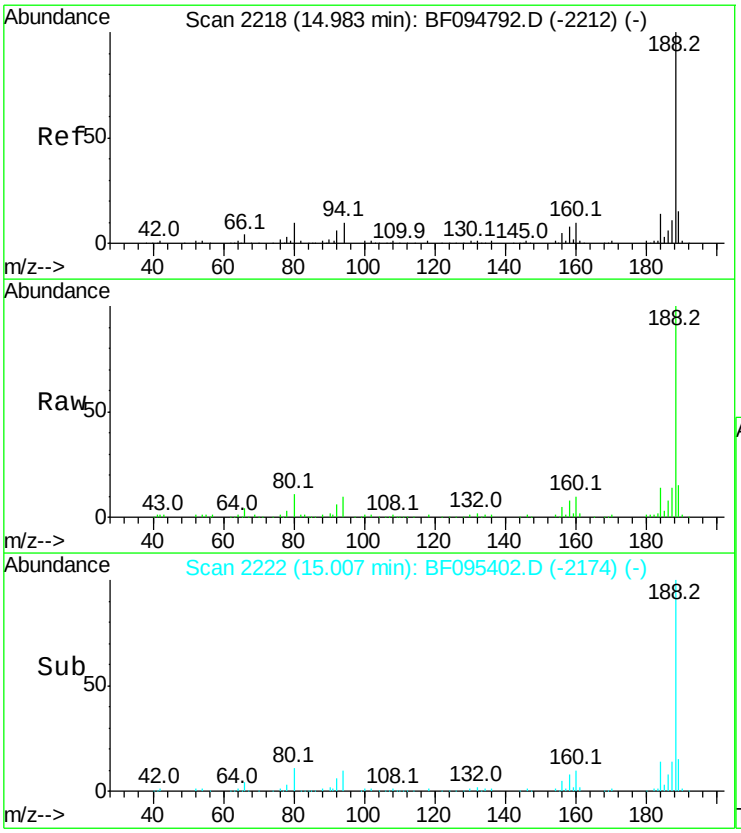
#57
Fluorene
Concen: 3.12 ng
RT: 13.51 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 27715

Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.8	118.2
167	13.9	10.6	16.0

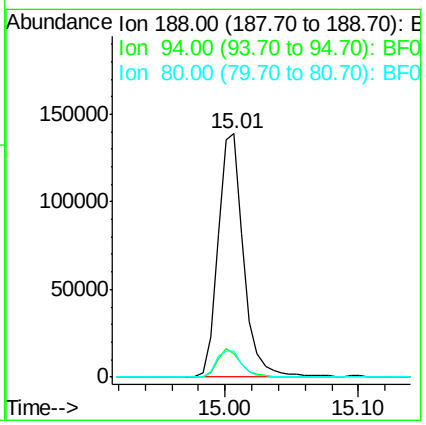


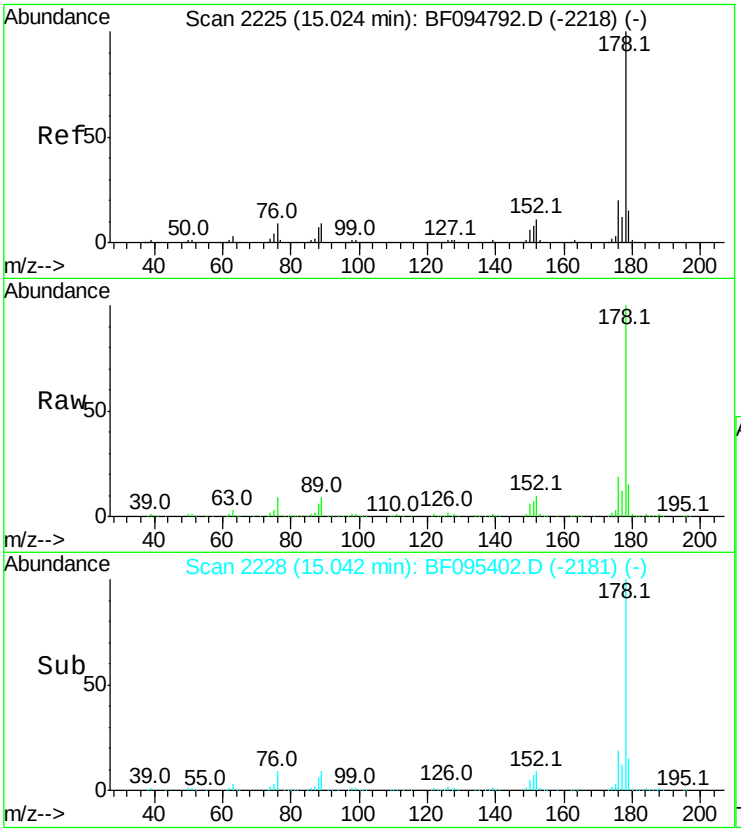


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:188 Resp: 186254

Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.6	10.2	15.2



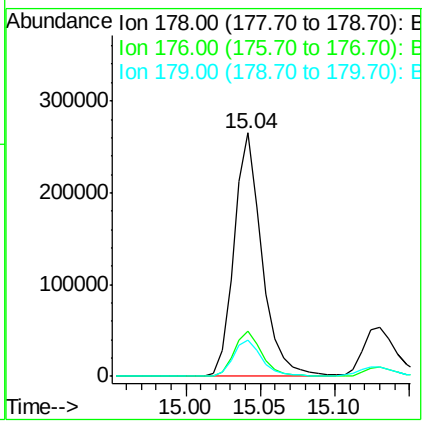


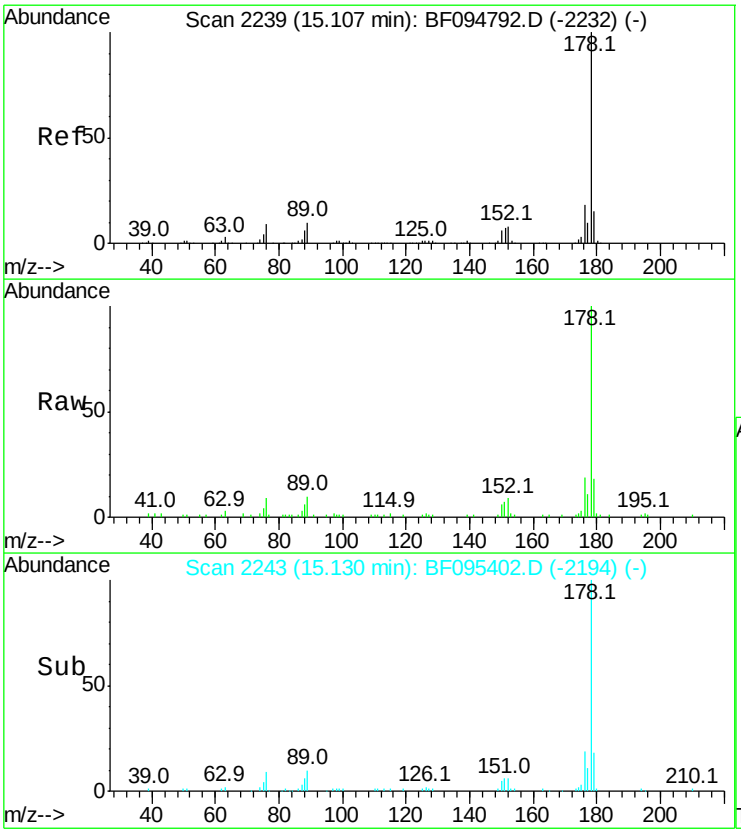
#70
Phenanthrene
Concen: 32.30 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 345616

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.1	12.6	19.0

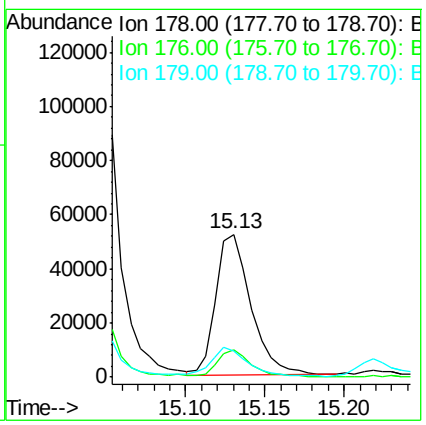


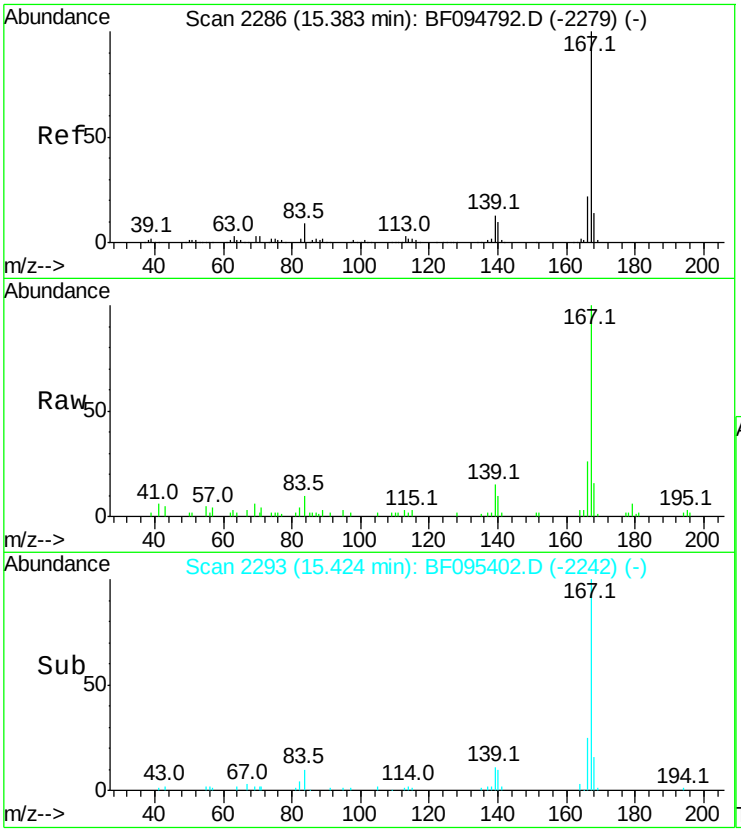


#71
Anthracene
Concen: 7.38 ng
RT: 15.13 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:178 Resp: 80694

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	18.1	12.7	19.1



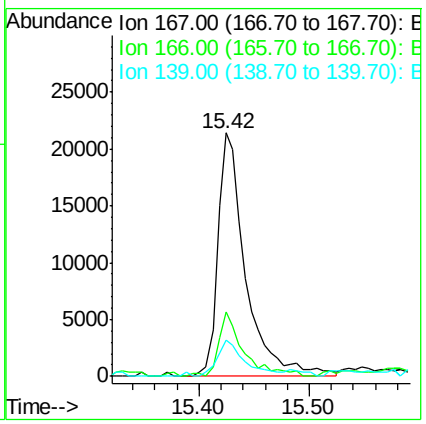


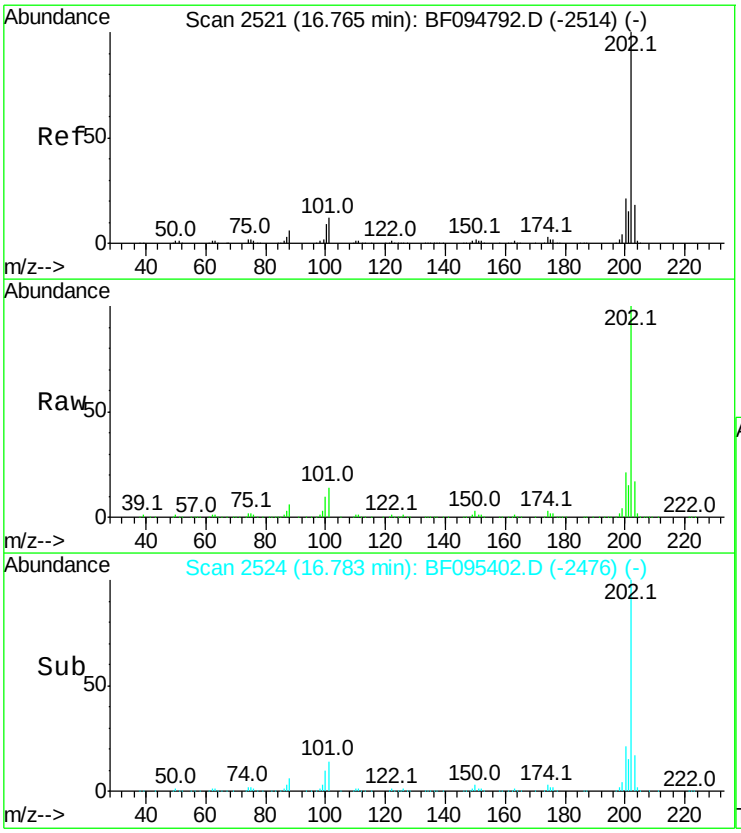
#72
Carbazole
Concen: 3.78 ng
RT: 15.42 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 37590

Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.1	27.1
139	14.8	11.7	17.5

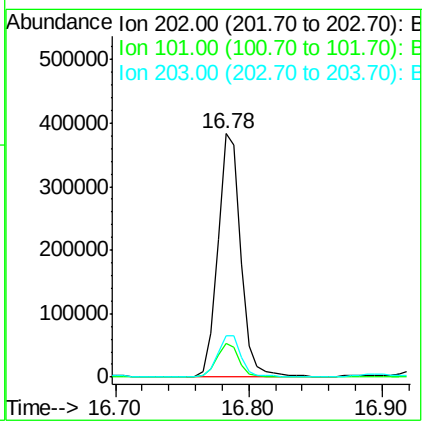


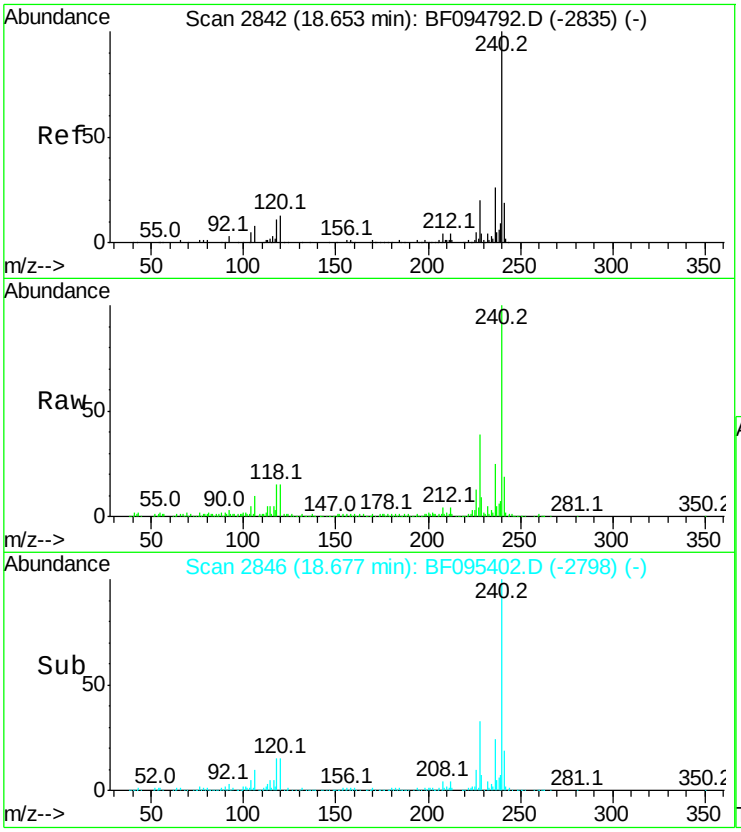


#74
Fluoranthene
Concen: 42.30 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:202 Resp: 464301

Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.1	0.0	38.1



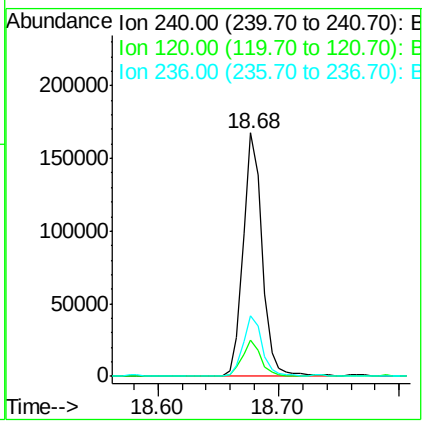


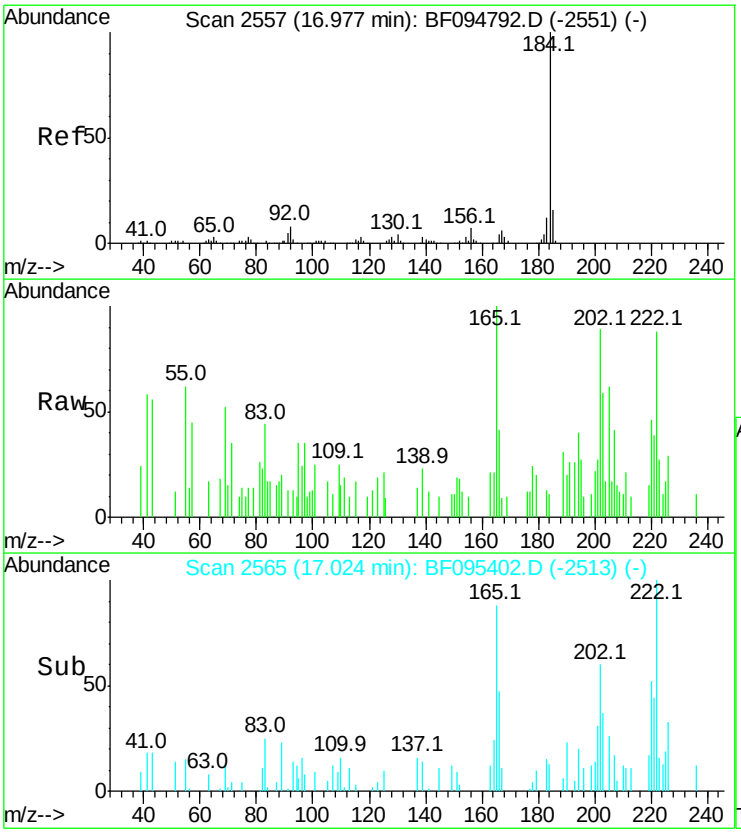
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 186238

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.7	20.5	30.7

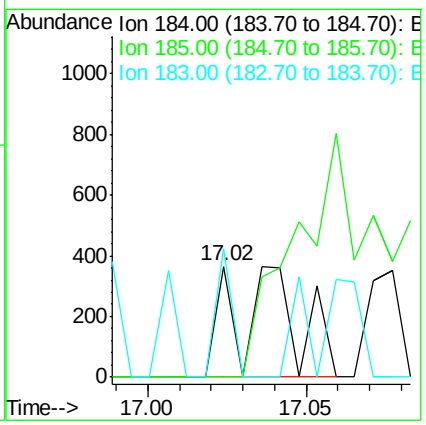


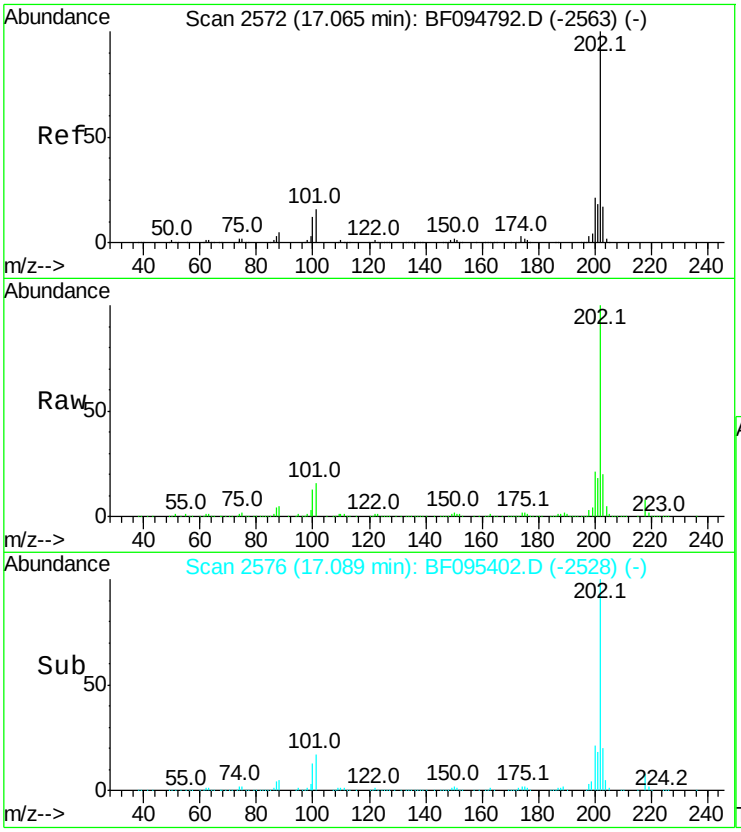


#76
Benzidine
Concen: 6.67 ng
RT: 17.02 min Scan# 2565
Delta R.T. 0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:184 Resp: 490

Ion	Ratio	Lower	Upper
184	100		
185	0.0	15.5	23.3#
183	115.6	9.8	14.6#



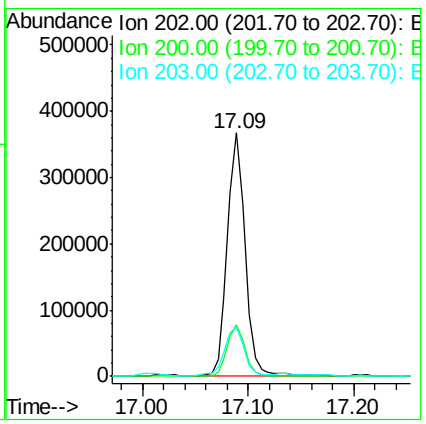


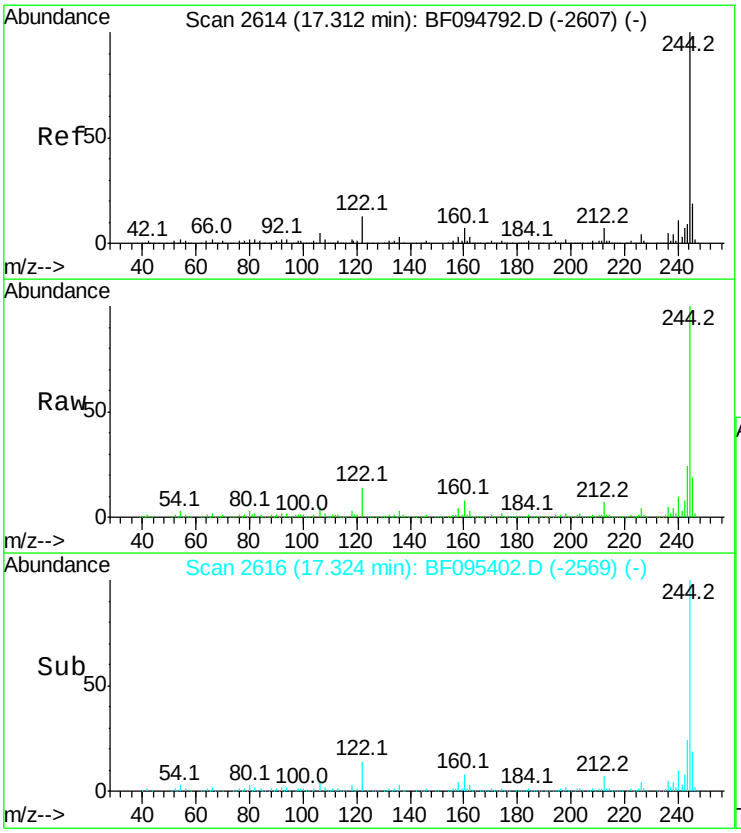
#77
Pyrene
Concen: 30.36 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 422931

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.1	14.4	21.6

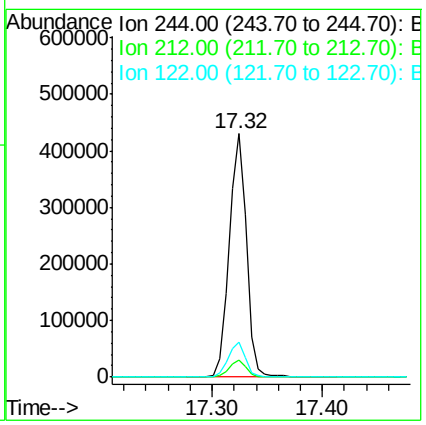


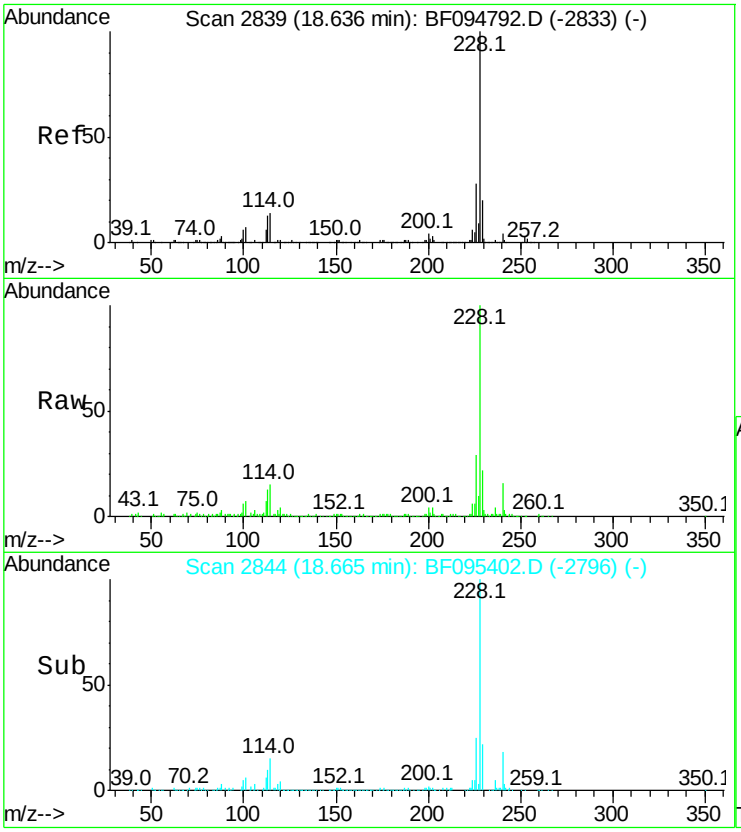


#78
Terphenyl-d14
Concen: 56.15 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:244 Resp: 474757

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.4	10.3	15.5



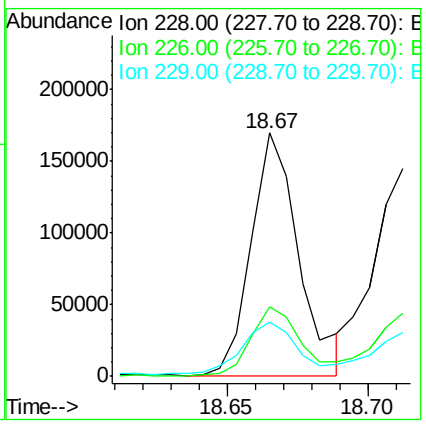


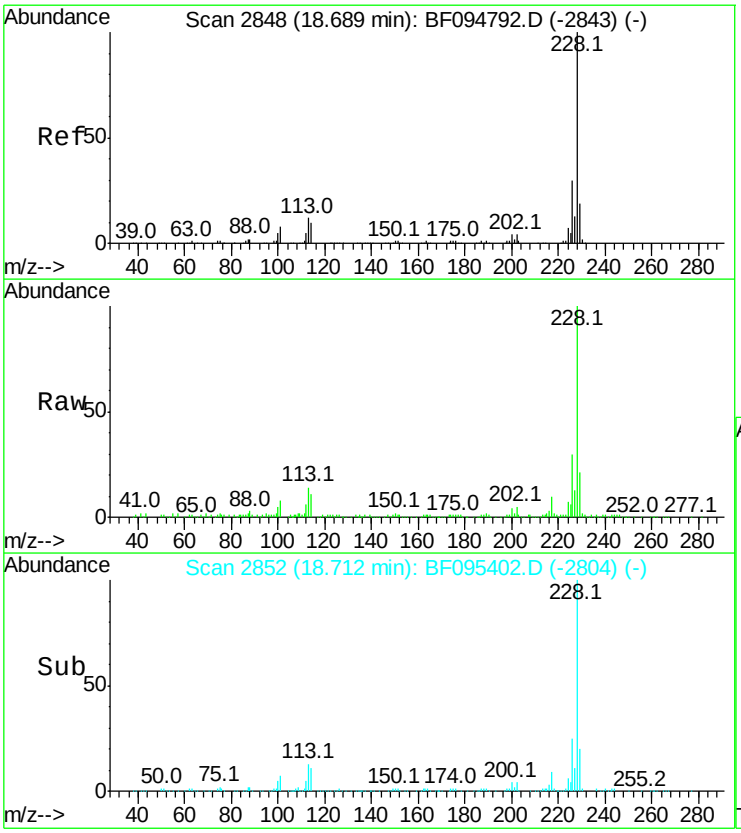
#80
Benzo(a)anthracene
Concen: 18.29 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 198293

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.4	16.3	24.5

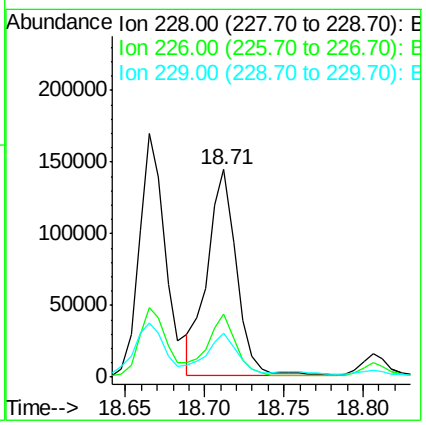


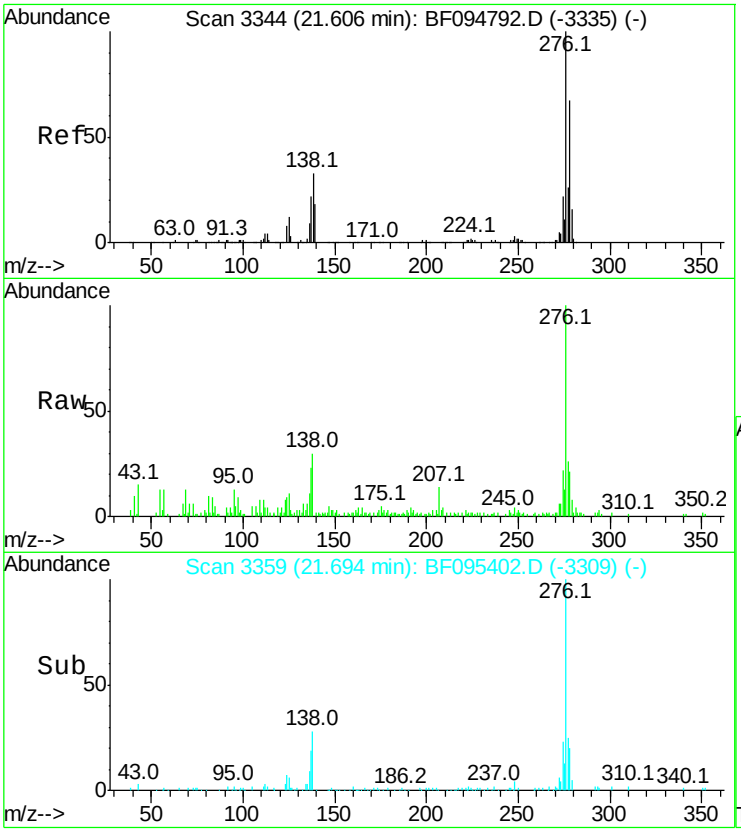


#82
Chrysene
Concen: 17.58 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:228 Resp: 184261

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	20.9	15.8	23.6



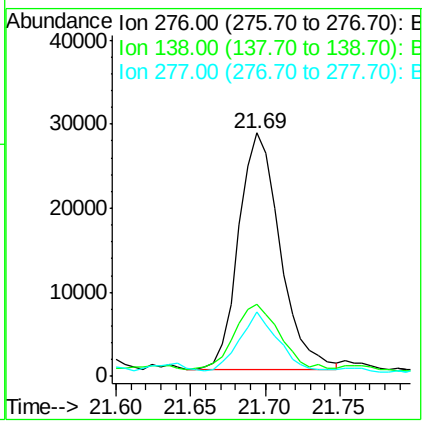


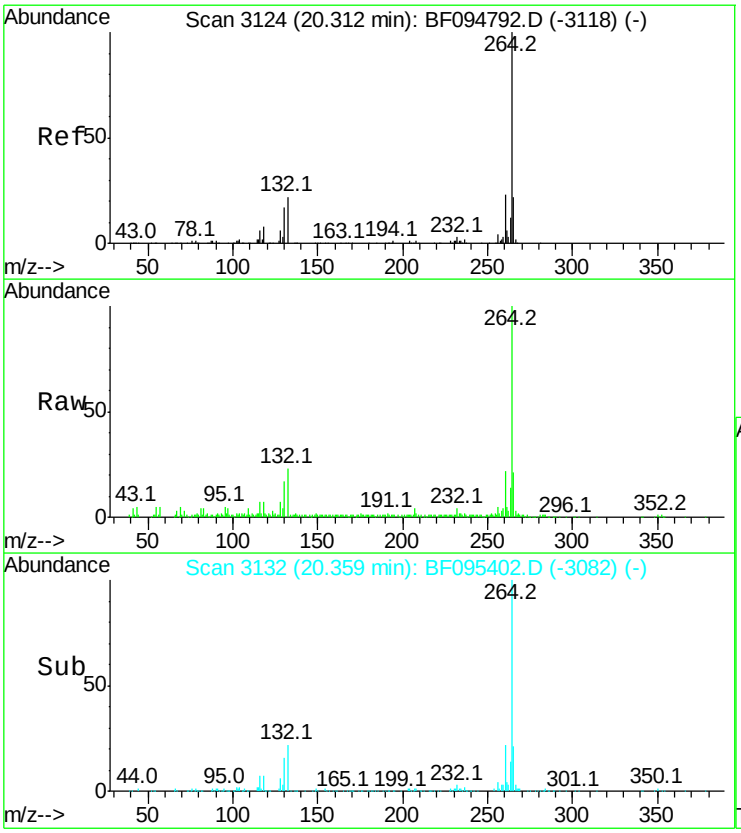
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.39 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 54384

Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	24.4	20.2	30.4

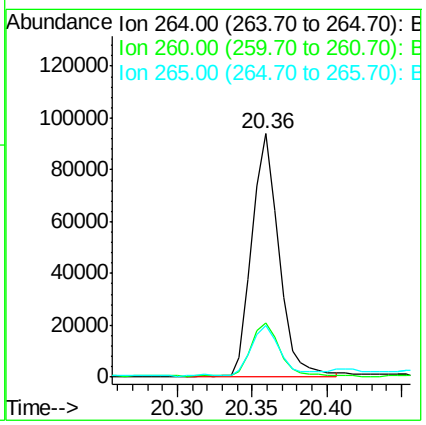


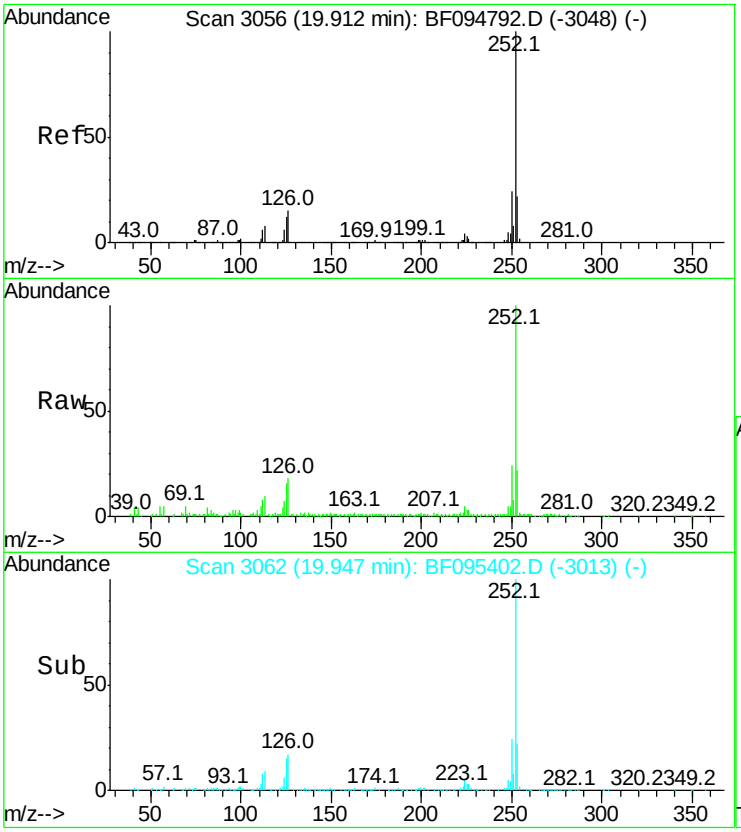


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:264 Resp: 118330

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	21.3	17.2	25.8



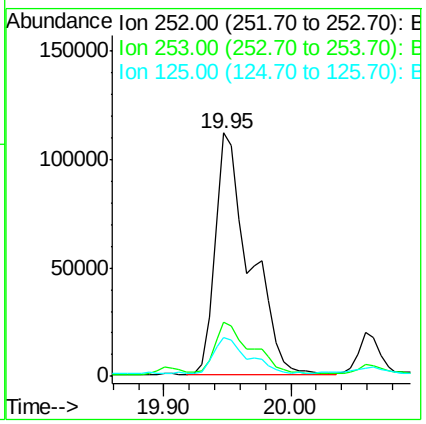


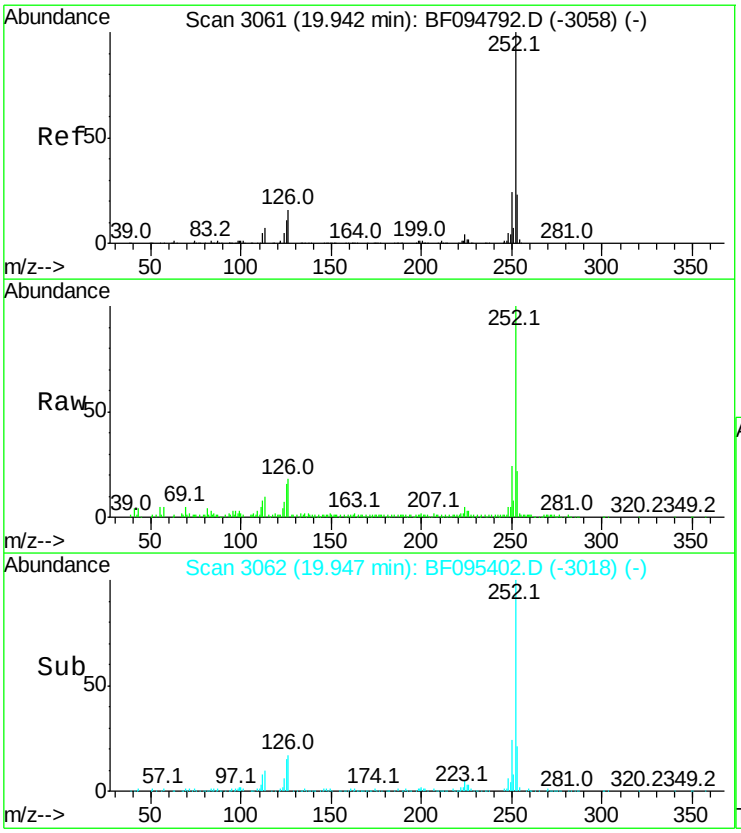
#87
Benzo(b)fluoranthene
Concen: 29.22 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 213624

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.8	9.8	14.8#

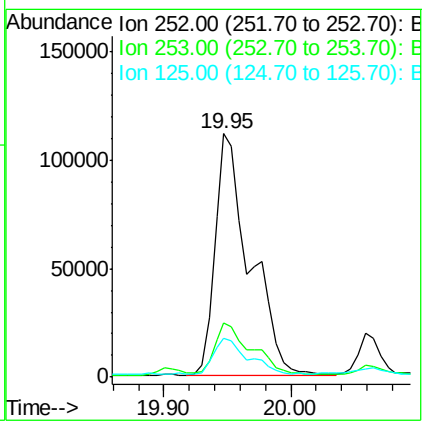


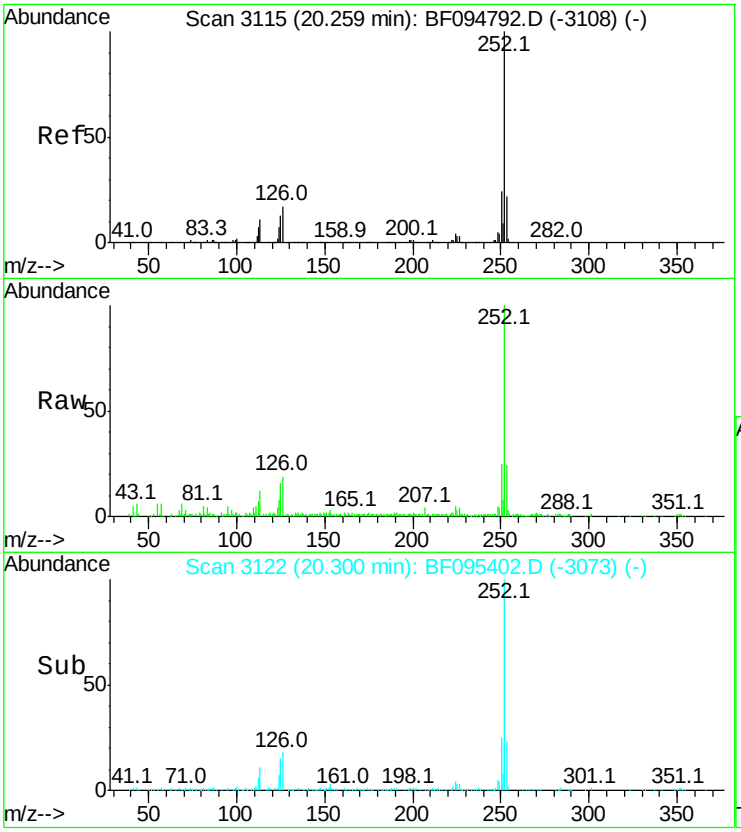


#88
Benzo(k)fluoranthene
Concen: 30.29 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.04 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:252 Resp: 213624

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	15.8	13.1	19.7



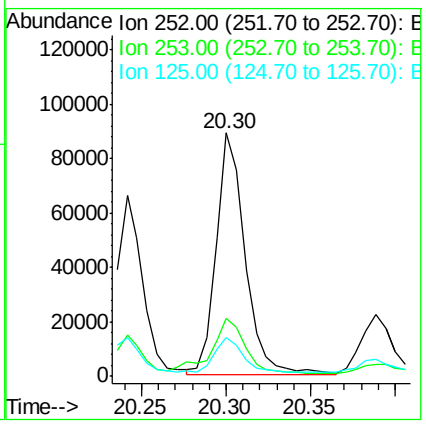


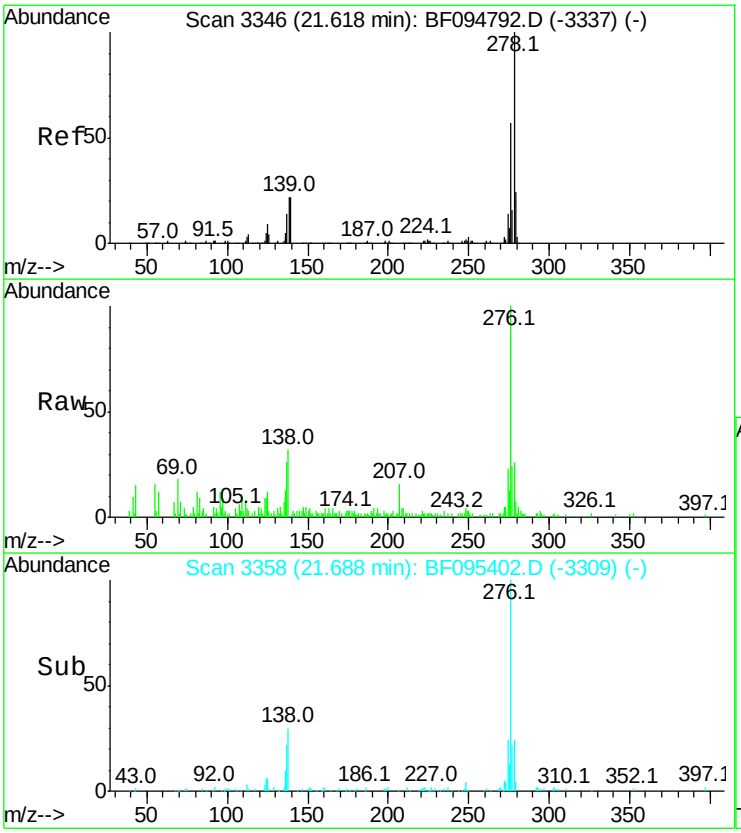
#89
Benzo(a)pyrene
Concen: 15.61 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 105343

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	15.9	11.0	16.4

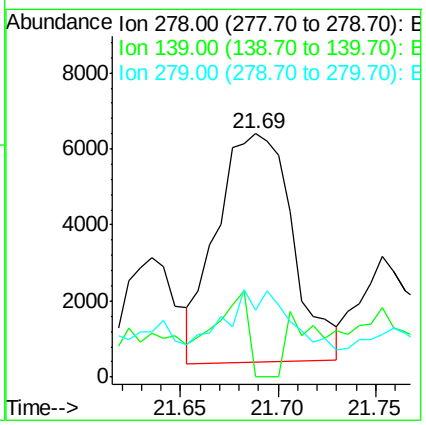


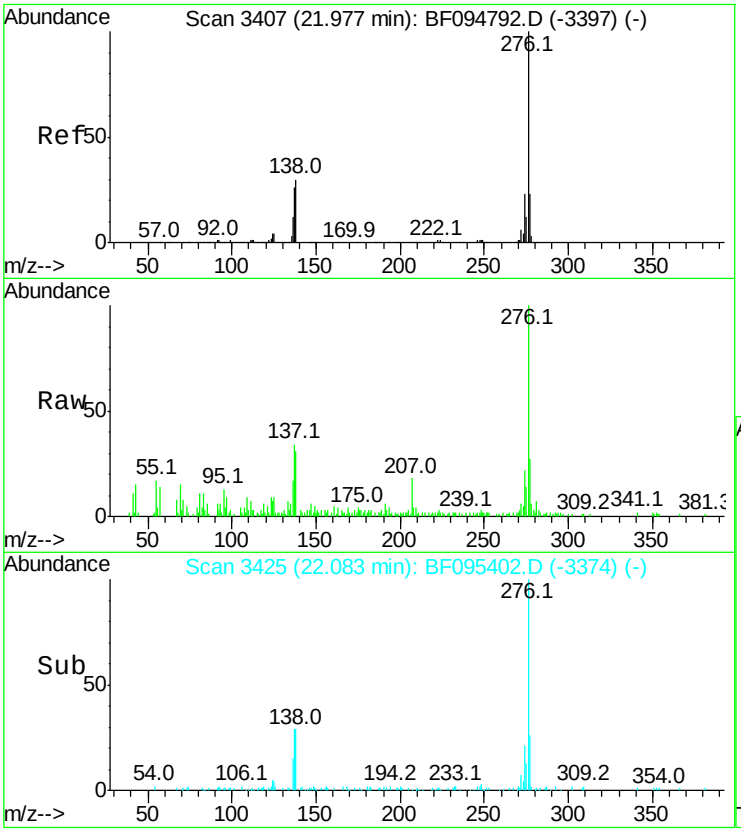


#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Tgt Ion:278 Resp: 16243

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 9.69 ng
RT: 22.08 min Scan# 3425
Delta R.T. 0.00 min
Lab File: BF095402.D
Acq: 24 May 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 52995

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	31.5	25.4	38.0