Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
Data File : BF095538.D
Acq On : 30 May 2017 16:39
Operator : SJ/MA
Sample : I3281-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 31 01:40:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	95570	20.00	ng		0.00
21) Naphthalene-d8	9.76	136	382601	20.00	ng		0.00
38) Acenaphthene-d10	12.59	164	165261	20.00	ng		0.00
63) Phenanthrene-d10	14.99	188	256027	20.00	ng		0.00
75) Chrysene-d12	18.67	240	219427	20.00	ng		0.00
86) Perylene-d12	20.35	264	180086	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	655217	114.30	ng		0.00
7) Phenol-d6	7.28	99	796567	115.82	ng		-0.01
23) Nitrobenzene-d5	8.64	82	464350	76.53	ng		-0.01
41) 2,4,6-Tribromophenol	13.89	330	131235	96.96	ng		0.00
44) 2-Fluorobiphenyl	11.53	172	854513	74.42	ng		0.00
78) Terphenyl-d14	17.31	244	511978	51.39	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	8.64	70	55742	11.98	ng	#	71
31) Naphthalene	9.80	128	91065	4.74	ng		98
32) Benzoic acid	9.69	122	307	5.16	ng	#	1
37) 2-Methylnaphthalene	10.92	142	84371	6.69	ng		94
49) Dimethylphthalate	12.22	163	213203	15.71	ng		98
53) 2,4-Dinitrophenol	13.09	184	106	6.31	ng	#	4
54) Dibenzofuran	12.94	168	42338	2.91	ng		99
70) Phenanthrene	15.03	178	370427	25.18	ng		98
71) Anthracene	15.03	178	370427	24.65	ng		98
72) Carbazole	15.42	167	29373	2.15	ng		97
74) Fluoranthene	16.78	202	473312	31.37	ng		99
76) Benzidine	17.01	184	282	6.63	ng	#	1
77) Pyrene	17.08	202	420231	25.61	ng		96
80) Benzo(a)anthracene	18.66	228	235704	18.46	ng		96
82) Chrysene	18.70	228	251837	20.39	ng		98
85) Indeno(1,2,3-cd)pyrene	21.69	276	102281	10.20	ng		94
87) Benzo(b)fluoranthene	19.94	252	394472	35.45	ng	#	96
88) Benzo(k)fluoranthene	19.94	252	394472	36.75	ng		99
89) Benzo(a)pyrene	20.29	252	181116	17.64	ng		97
90) Dibenzo(a,h)anthracene	21.68	278	26732	3.15	ng	#	85
91) Benzo(g,h,i)perylene	22.08	276	94273	11.33	ng		99

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

Quantitation Report (Not Reviewed)

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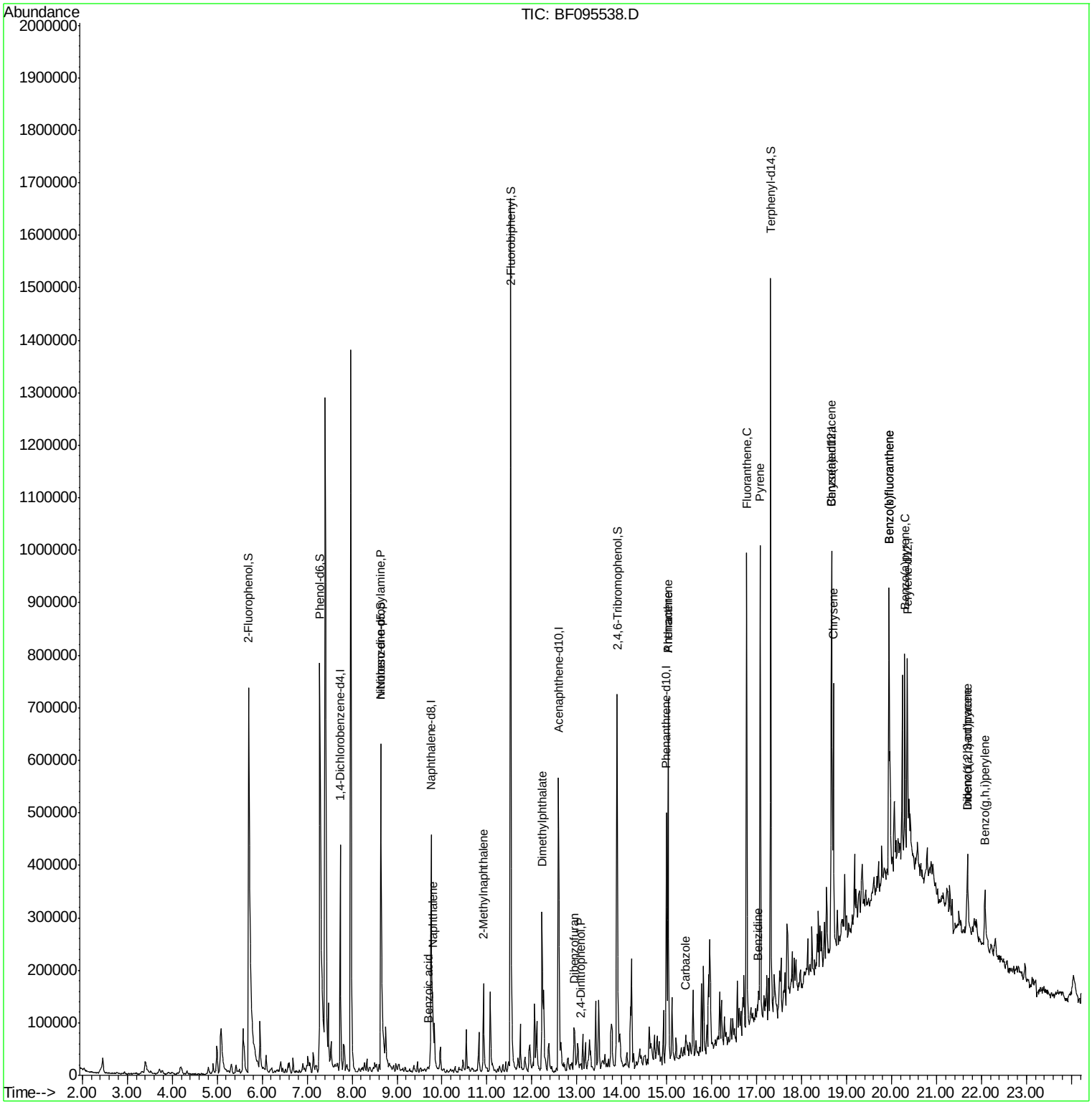
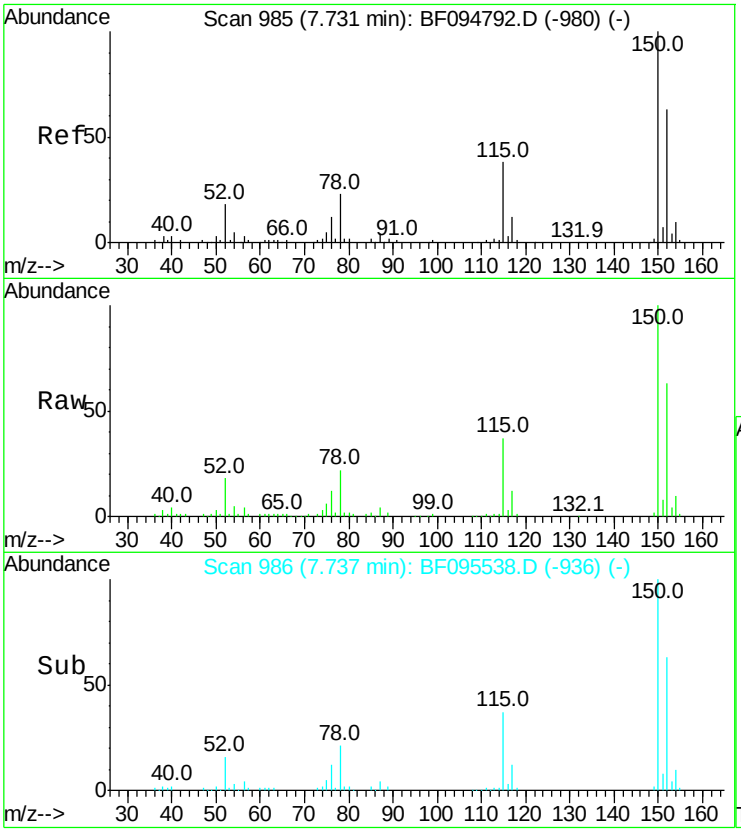


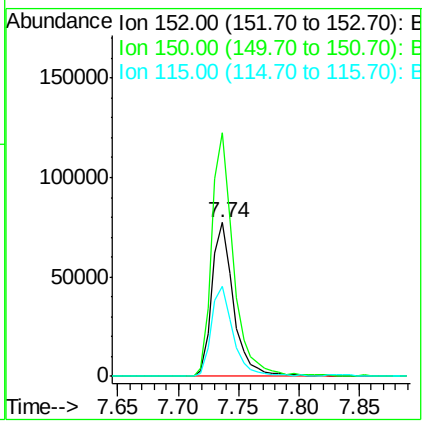


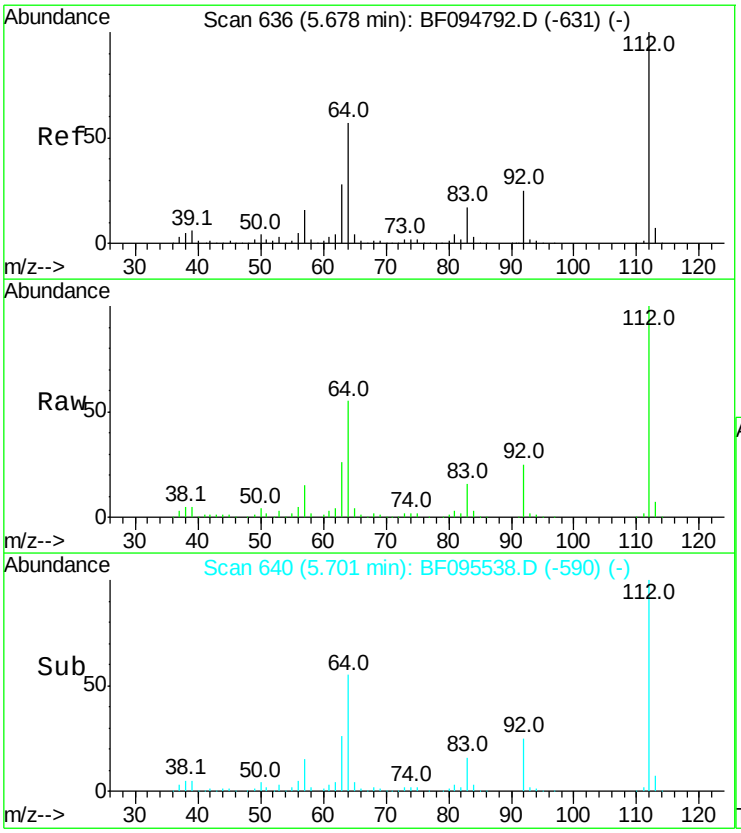
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 95570

Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	58.7	52.2	78.2

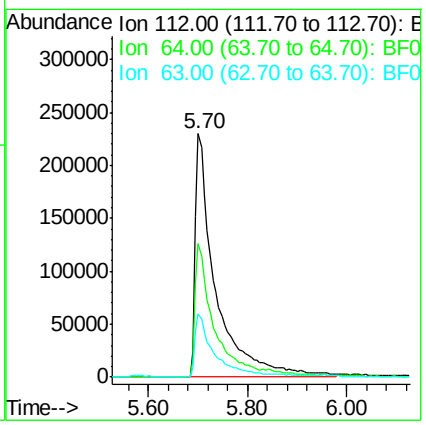


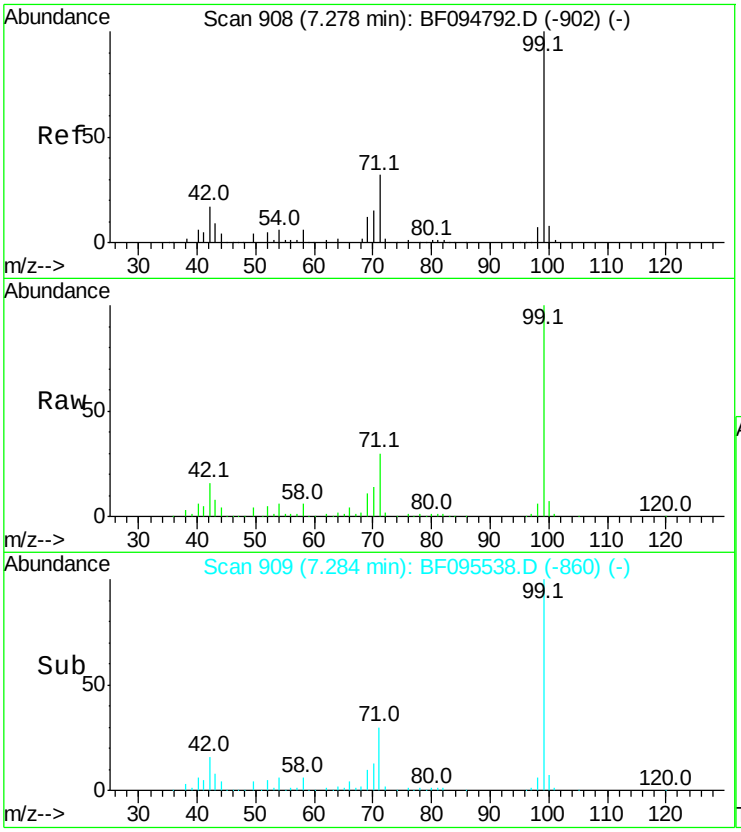


#5
2-Fluorophenol
Concen: 114.30 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:112 Resp: 655217

Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.0	69.0
63	26.1	23.4	35.0



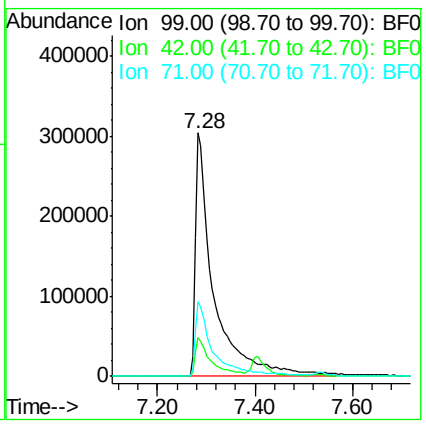


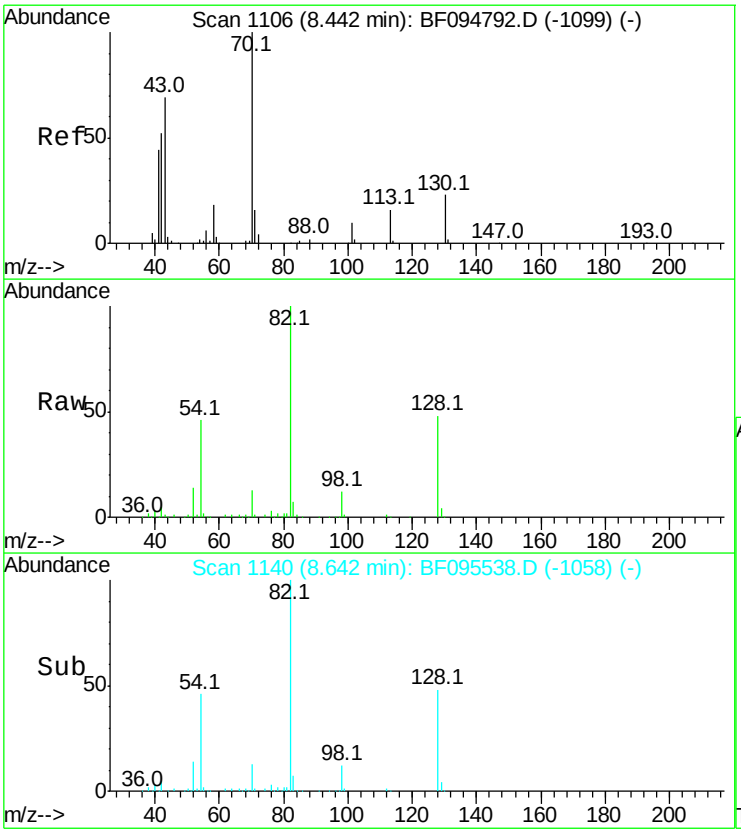
#7
Phenol-d6
Concen: 115.82 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 796567

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	30.5	24.5	36.7

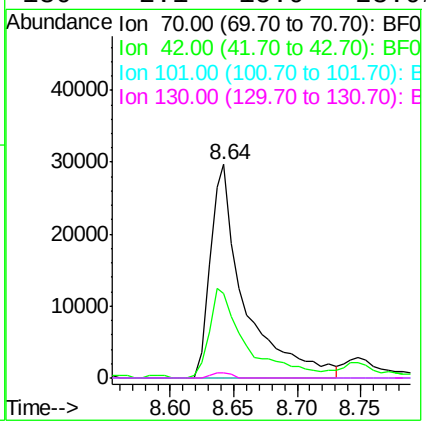


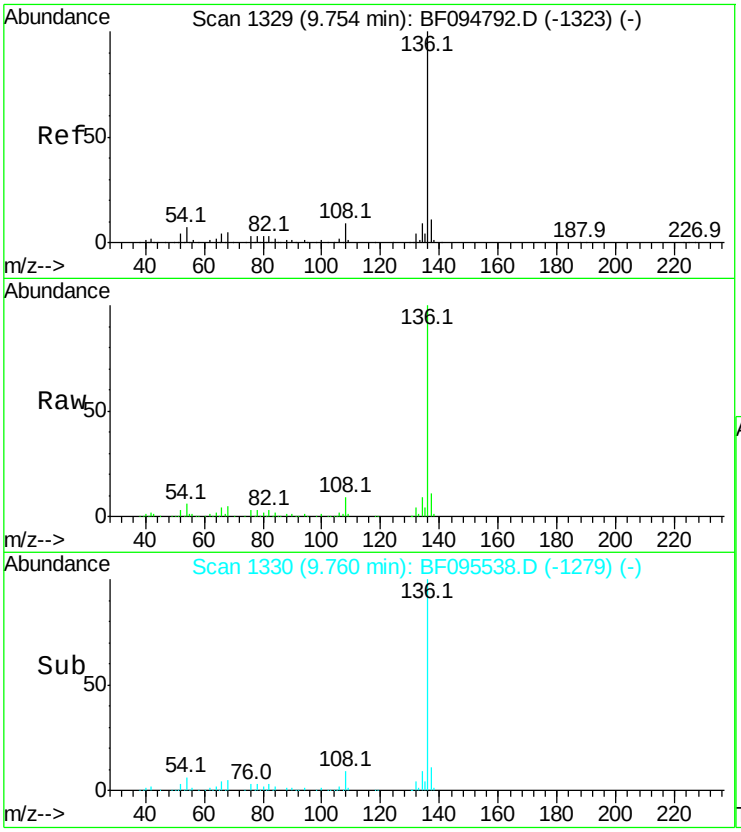


#19
n-Nitroso-di-n-propylamine
Concen: 11.98 ng
RT: 8.64 min Scan# 1140
Delta R.T. 0.18 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion: 70 Resp: 55742

Ion	Ratio	Lower	Upper
70	100		
42	39.3	47.2	70.8#
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#



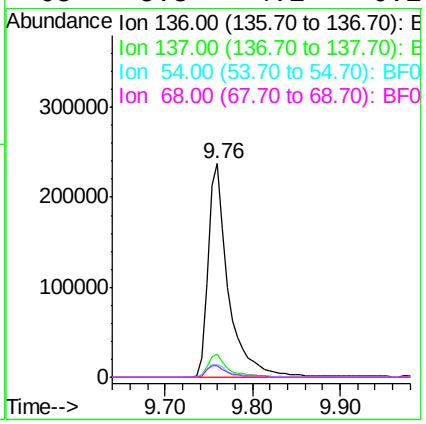


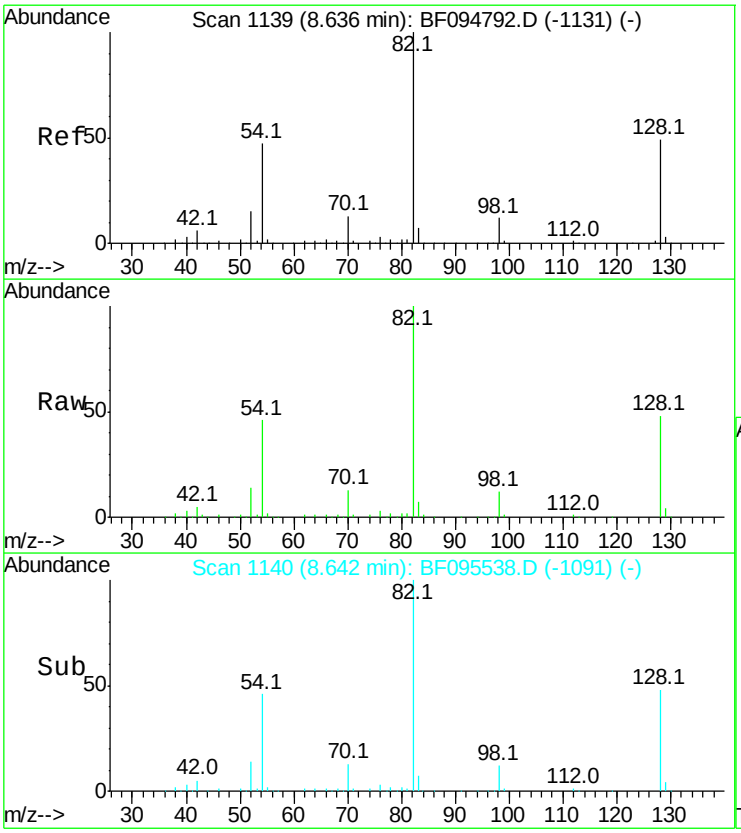
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 382601

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.1	4.9	7.3
68	5.3	4.1	6.1

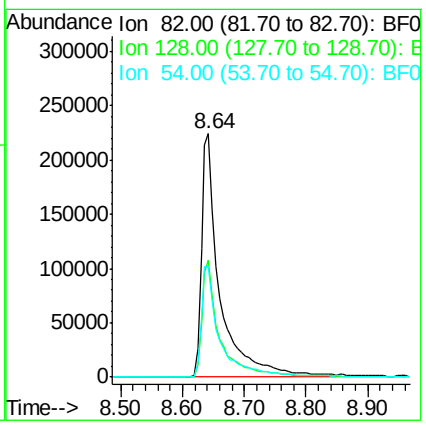


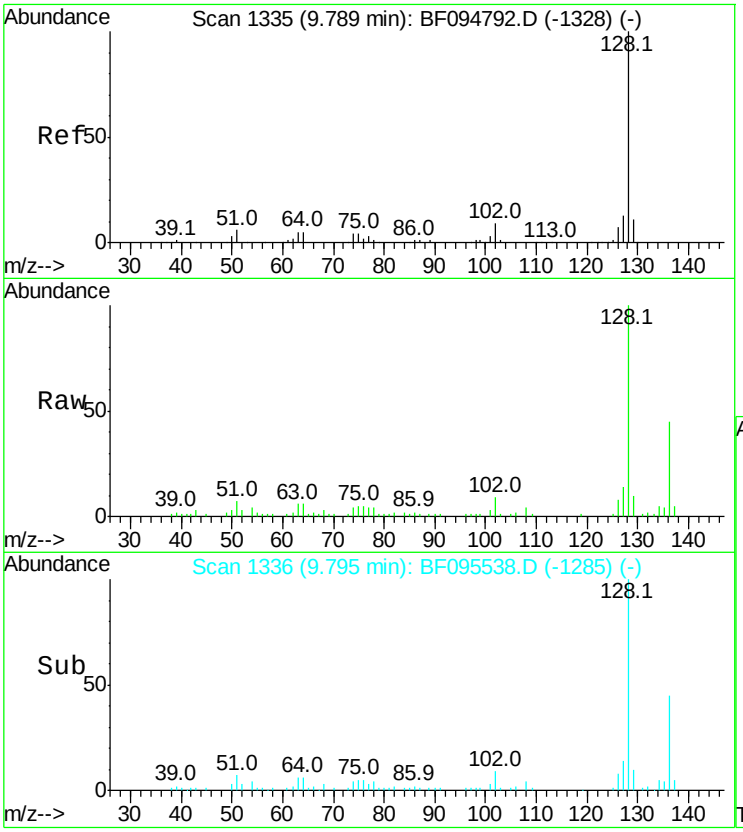


#23
Nitrobenzene-d5
Concen: 76.53 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion: 82 Resp: 464350

Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	45.5	42.2	63.2



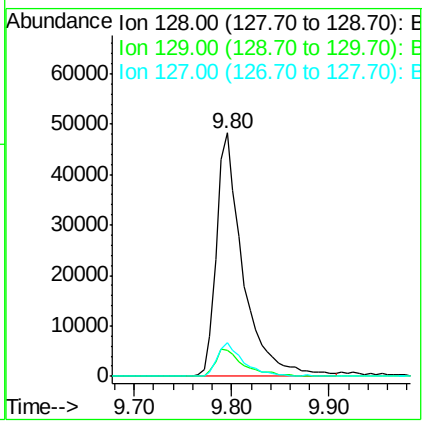


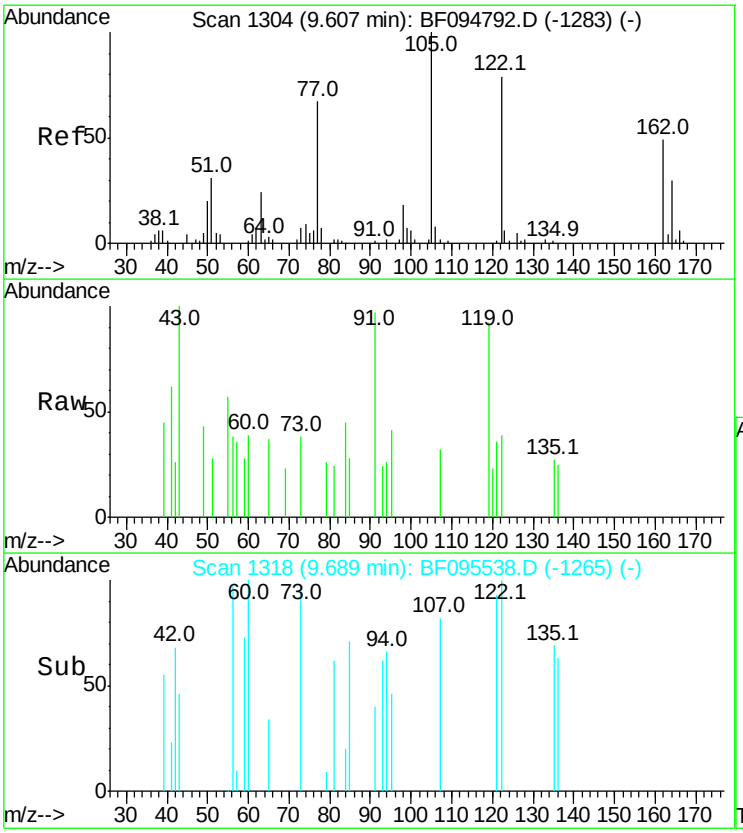
#31
Naphthalene
Concen: 4.74 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 91065

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	14.0	10.8	16.2

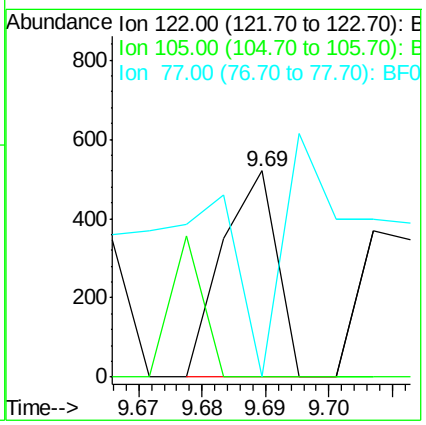


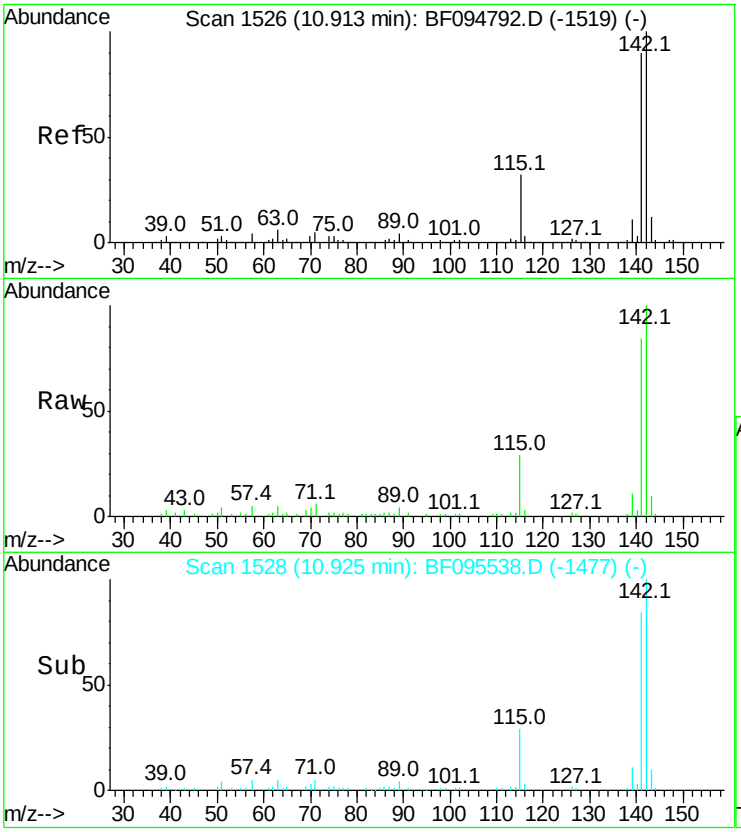


#32
Benzoic acid
Concen: 5.16 ng
RT: 9.69 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:122 Resp: 307

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



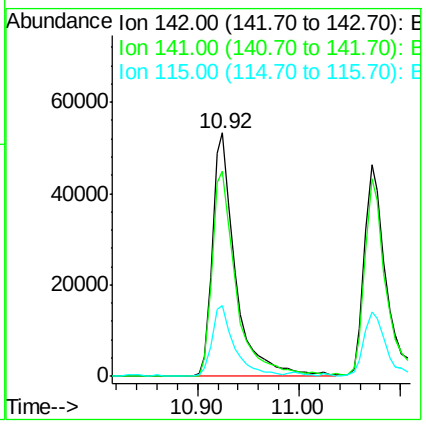


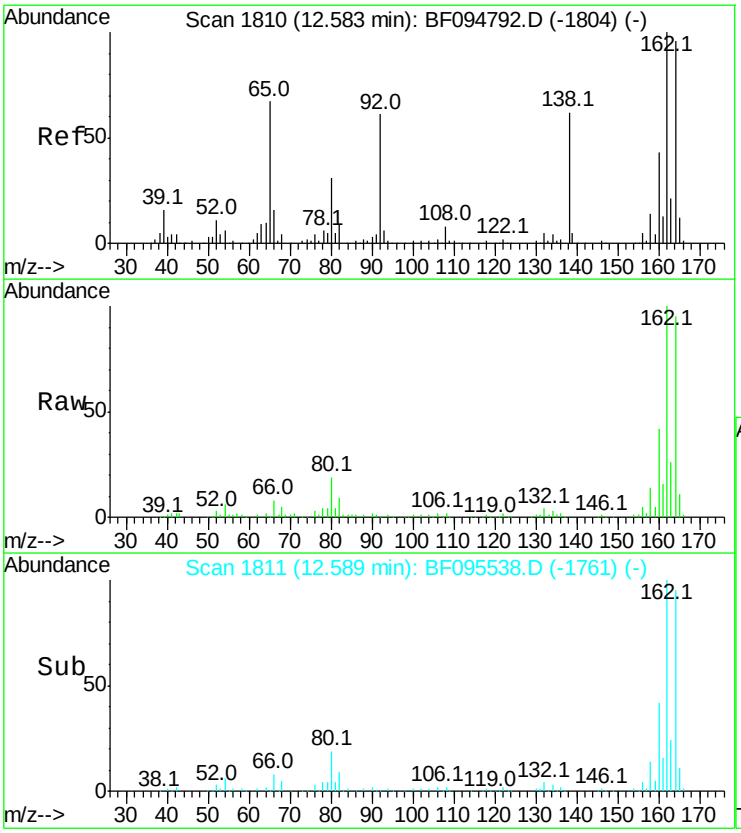
#37
2-Methylnaphthalene
Concen: 6.69 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 84371

Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.3	106.9
115	29.1	27.1	40.7

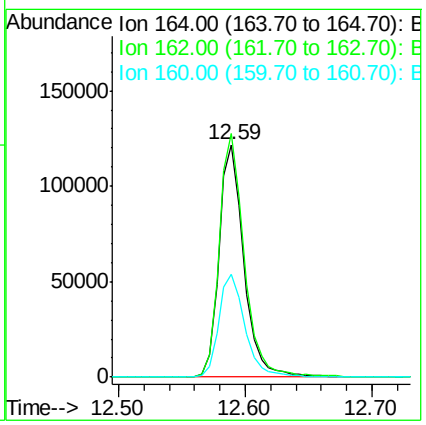


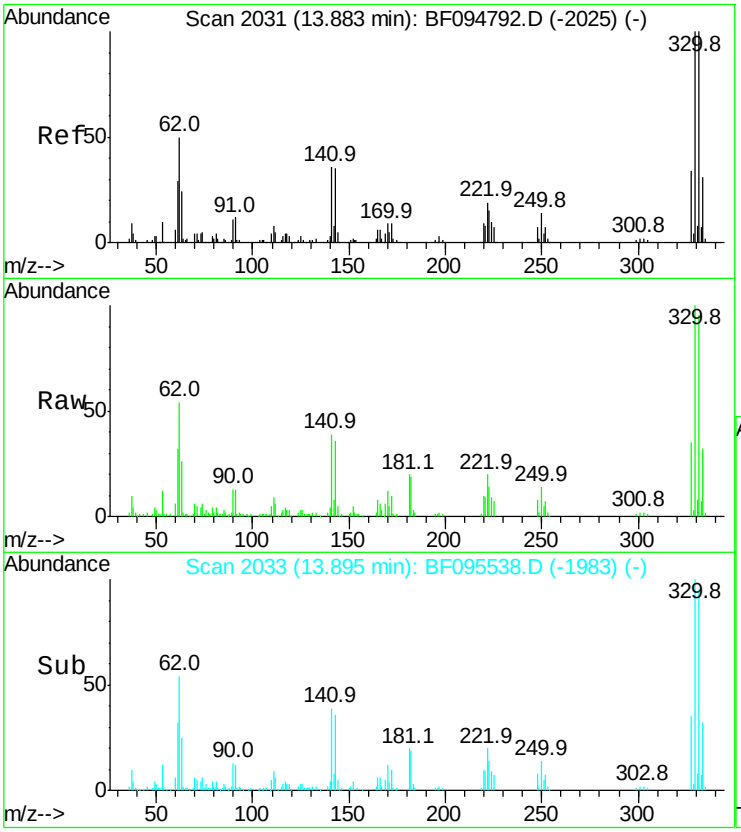


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:164 Resp: 165261

Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	44.4	36.2	54.2



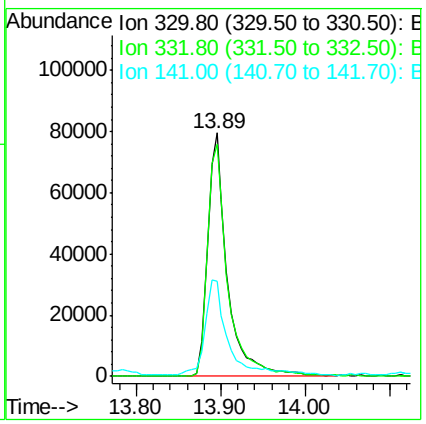


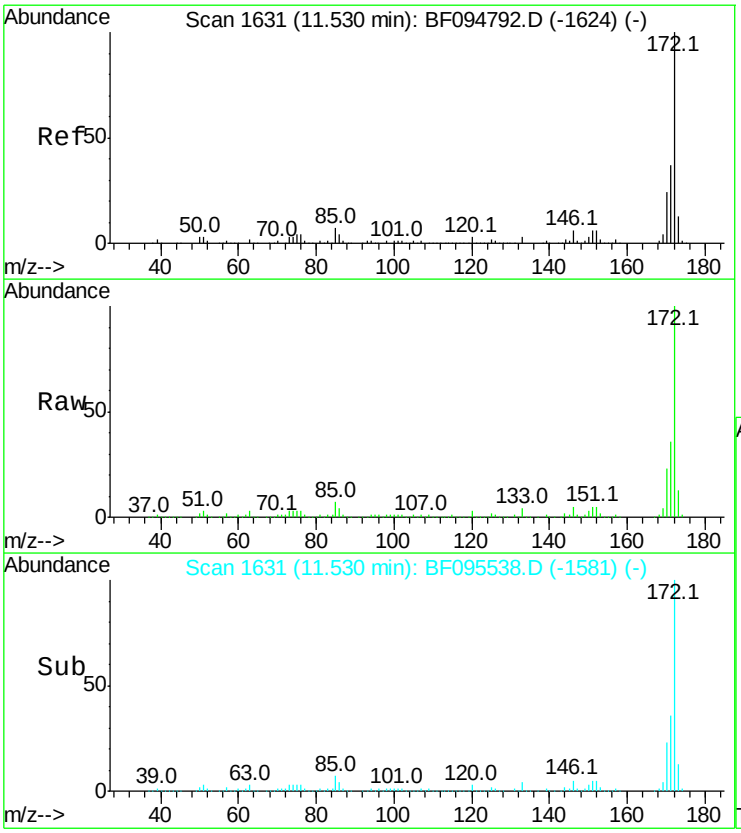
#41
2,4,6-Tribromophenol
Concen: 96.96 ng
RT: 13.89 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 131235

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	46.7	31.4	47.2

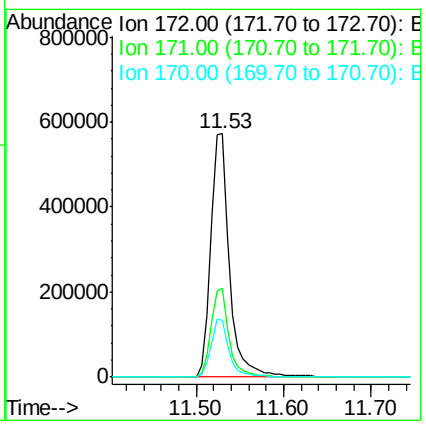


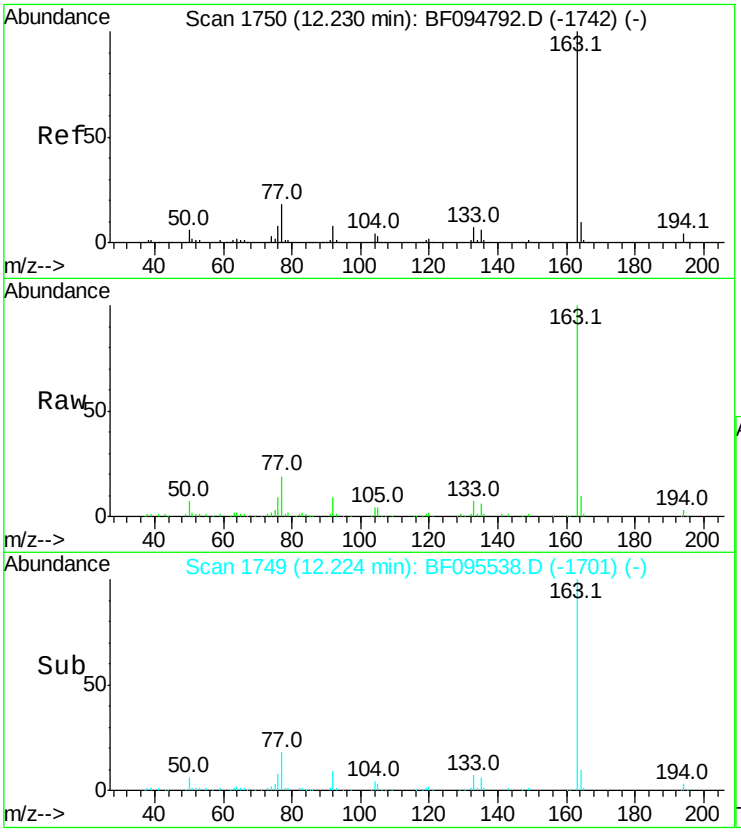


#44
2-Fluorobiphenyl
Concen: 74.42 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:172 Resp: 854513

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.8	29.8



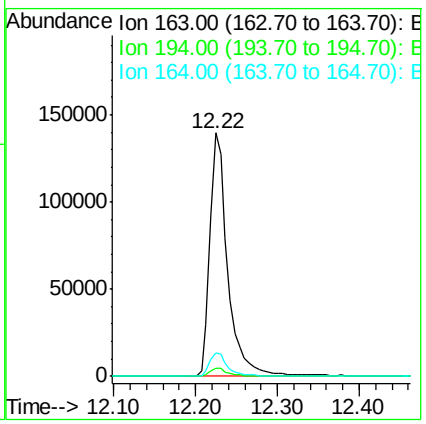


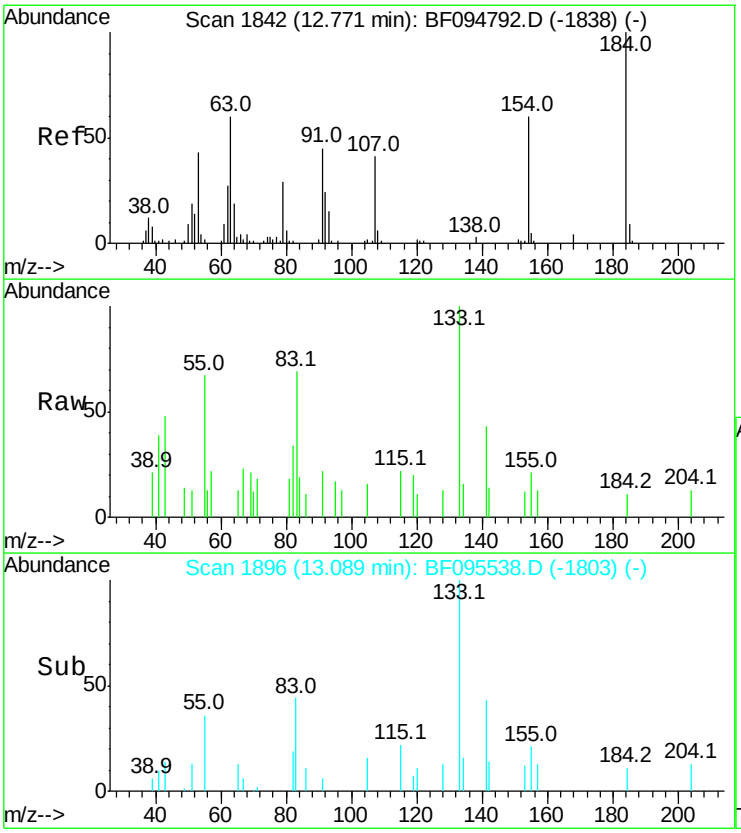
#49
Dimethylphthalate
Concen: 15.71 ng
RT: 12.22 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 213203

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.6	8.4	12.6

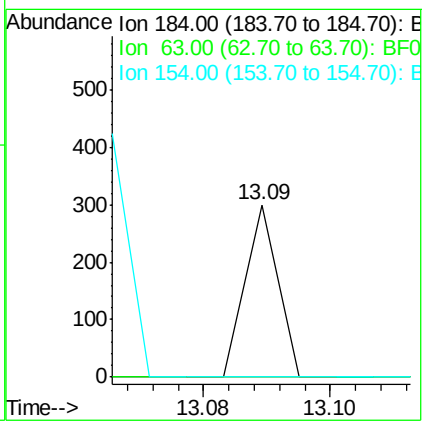


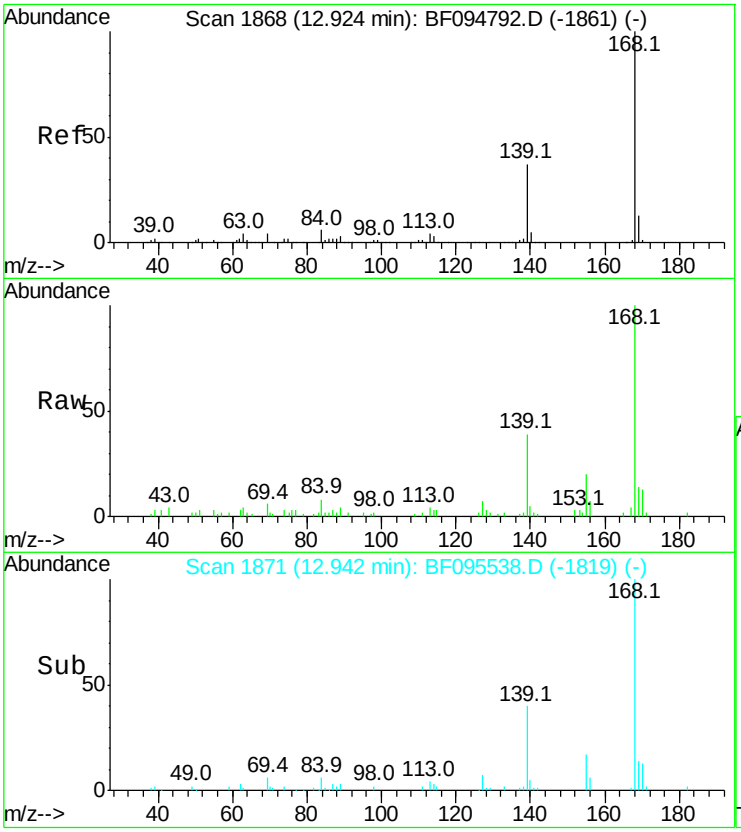


#53
2,4-Dinitrophenol
Concen: 6.31 ng
RT: 13.09 min Scan# 1896
Delta R.T. 0.25 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:184 Resp: 106

Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.7	94.1#
154	0.0	81.1	121.7#



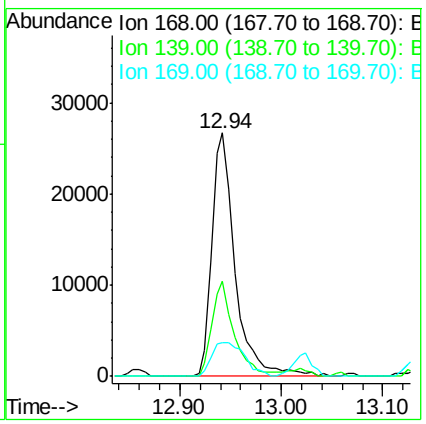


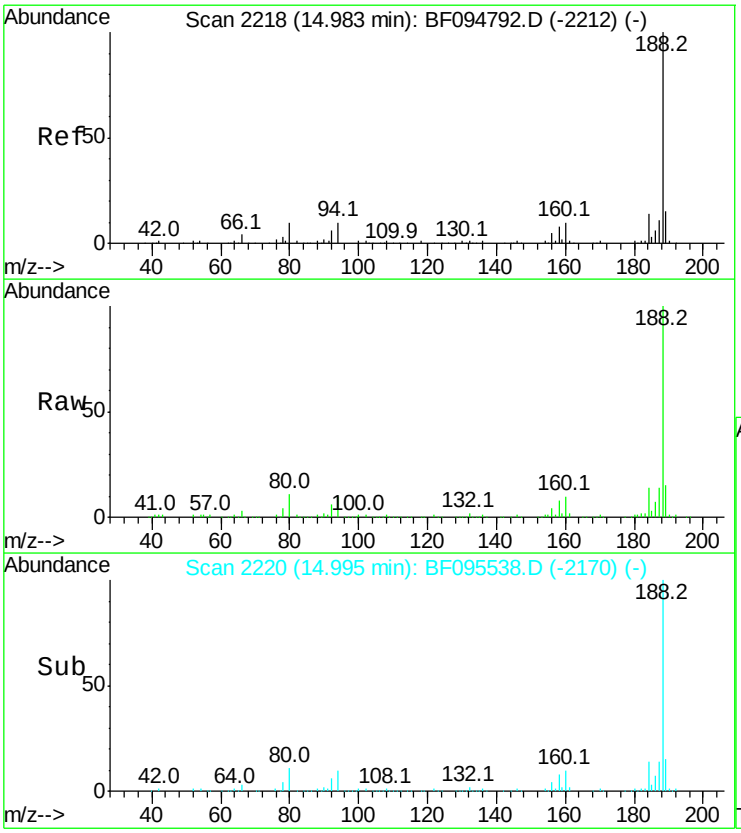
#54
Dibenzofuran
Concen: 2.91 ng
RT: 12.94 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 42338

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	45.8
169	13.8	10.8	16.2

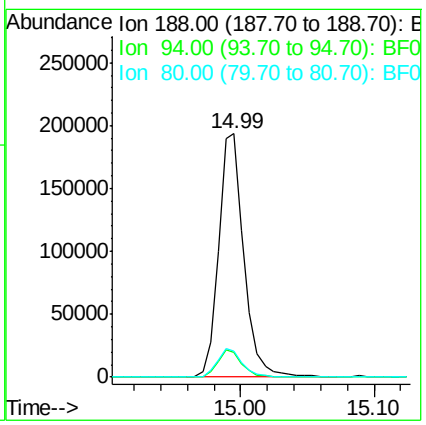


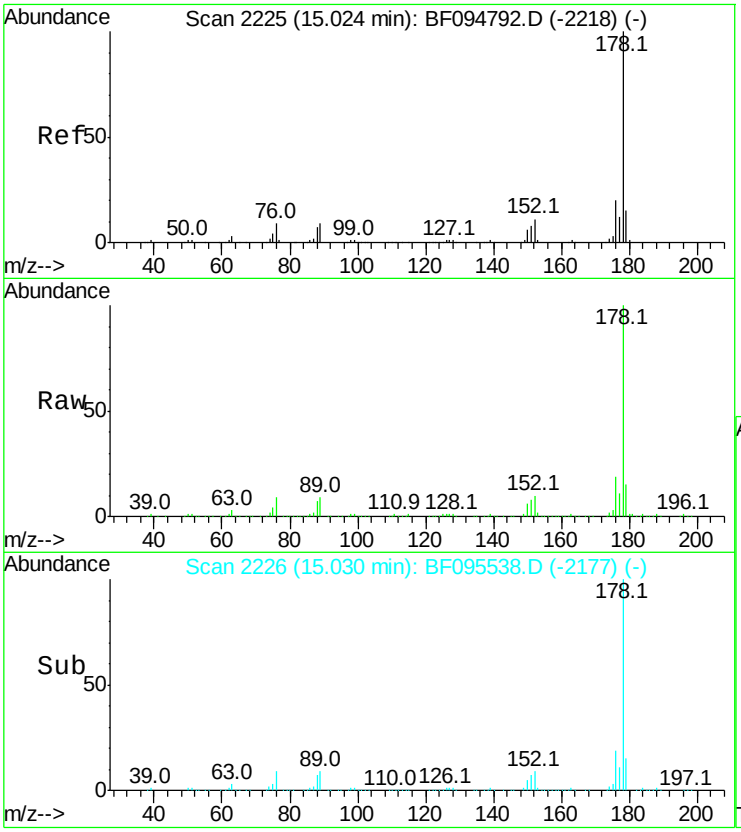


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:188 Resp: 256027

Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2



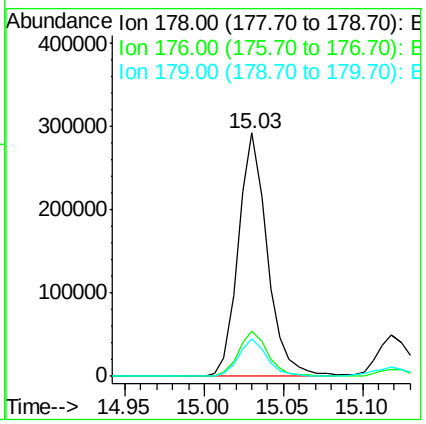


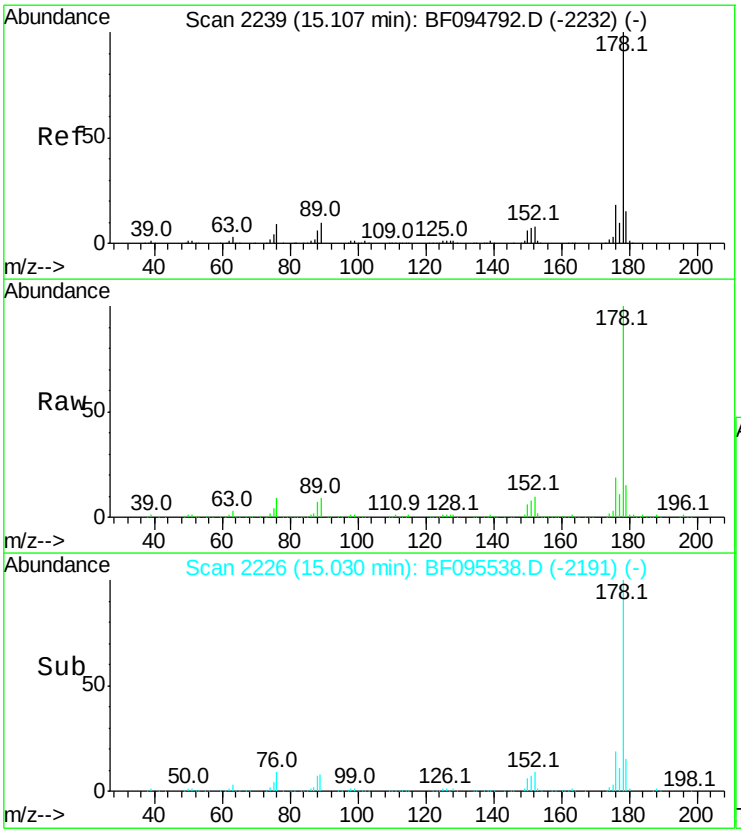
#70
Phenanthrene
Concen: 25.18 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 370427

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.4	12.6	19.0

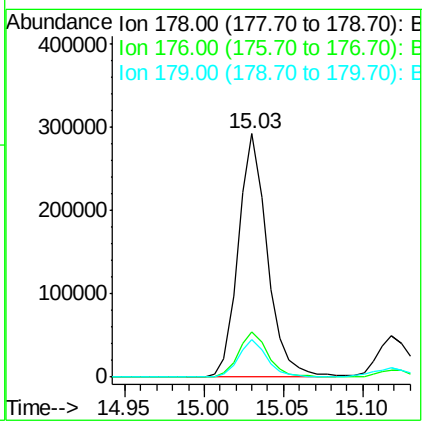


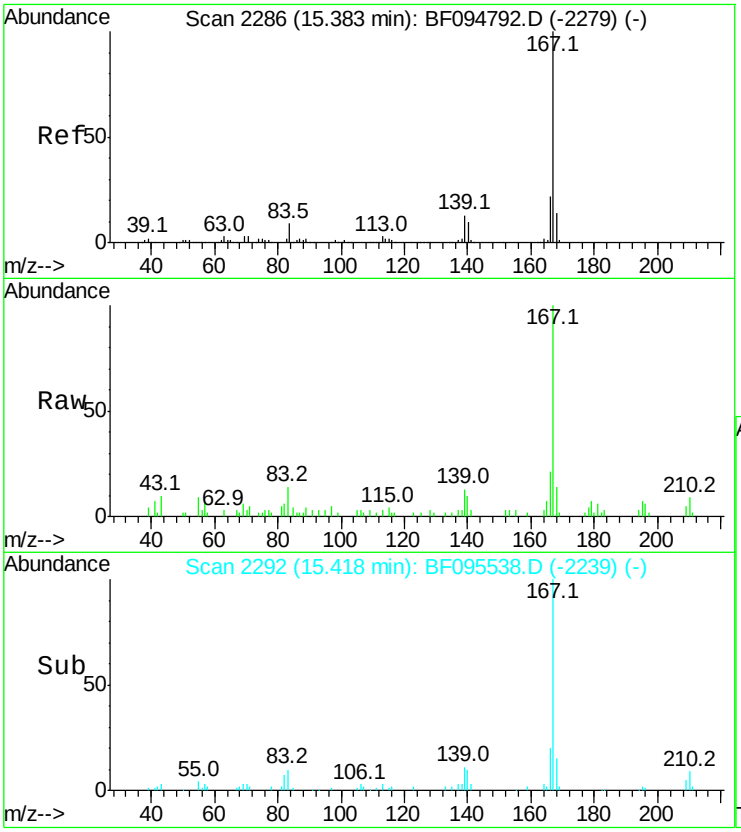


#71
Anthracene
Concen: 24.65 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.09 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:178 Resp: 370427

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	12.7	19.1



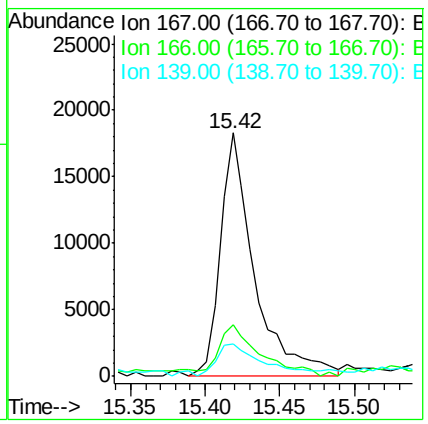


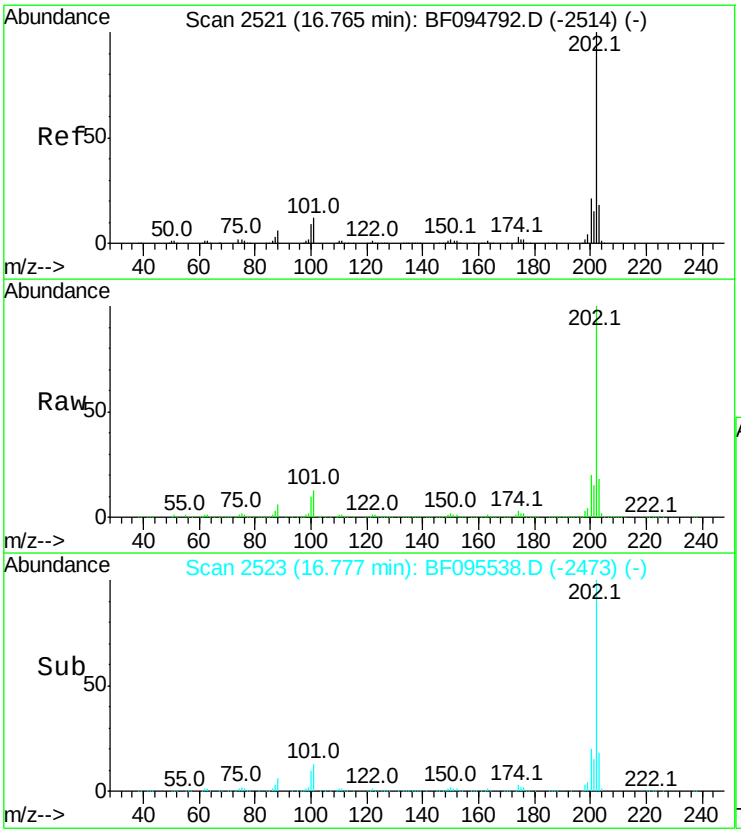
#72
Carbazole
Concen: 2.15 ng
RT: 15.42 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 29373

Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.1	27.1
139	13.3	11.7	17.5

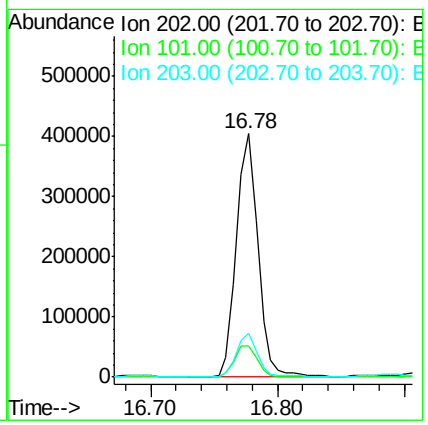


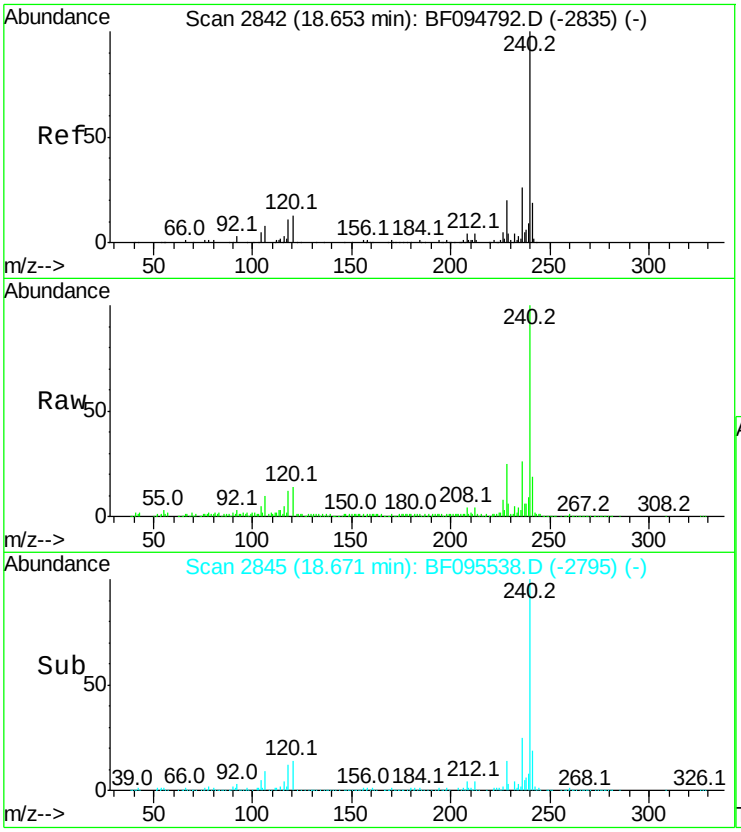


#74
Fluoranthene
Concen: 31.37 ng
RT: 16.78 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:202 Resp: 473312

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.8	0.0	38.1



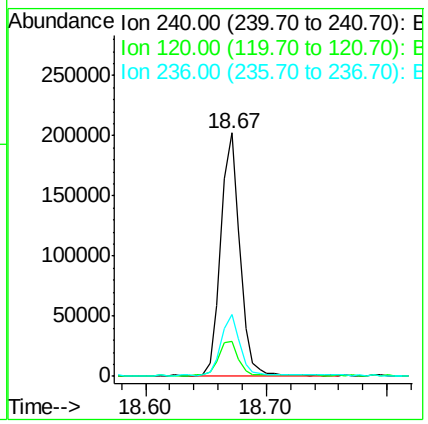


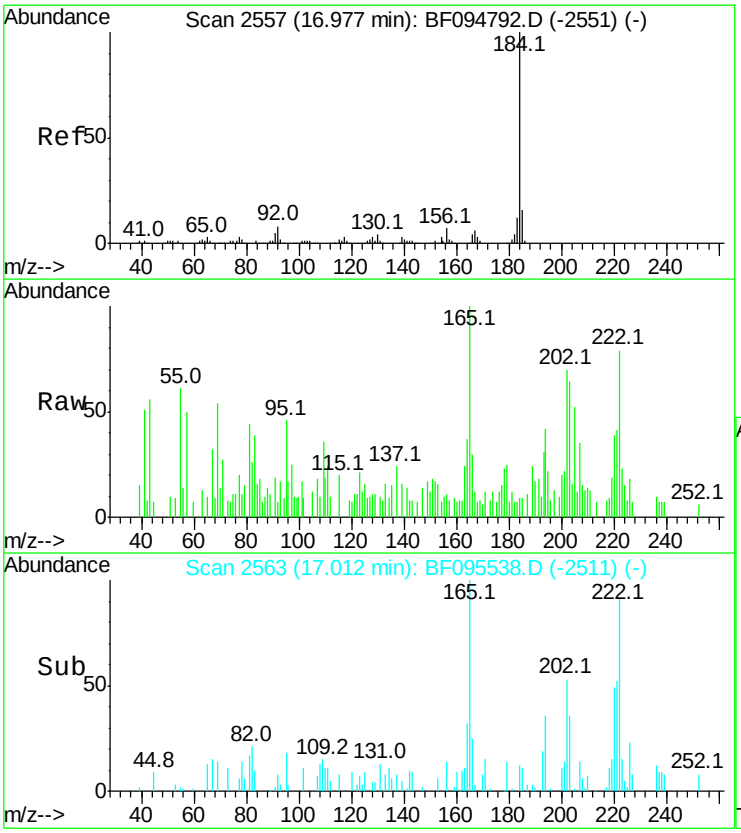
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 219427

Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.6	20.5	30.7

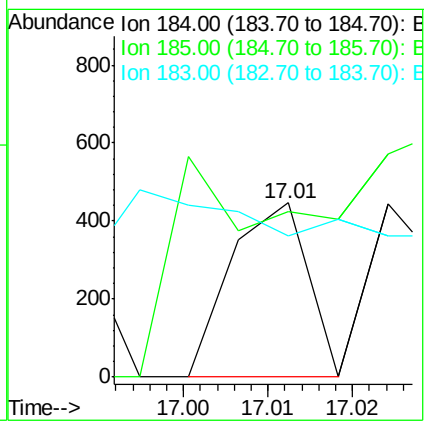


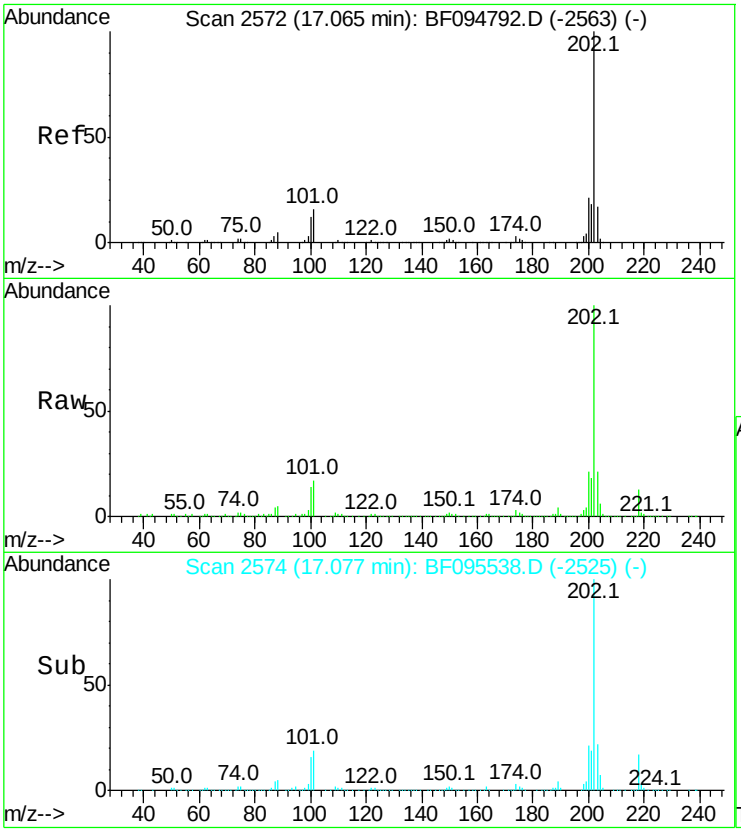


#76
Benzidine
Concen: 6.63 ng
RT: 17.01 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:184 Resp: 282

Ion	Ratio	Lower	Upper
184	100		
185	94.8	15.5	23.3#
183	80.9	9.8	14.6#



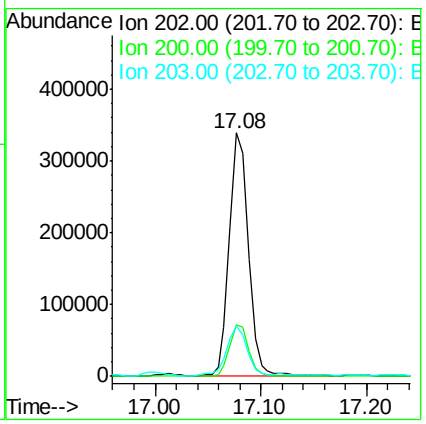


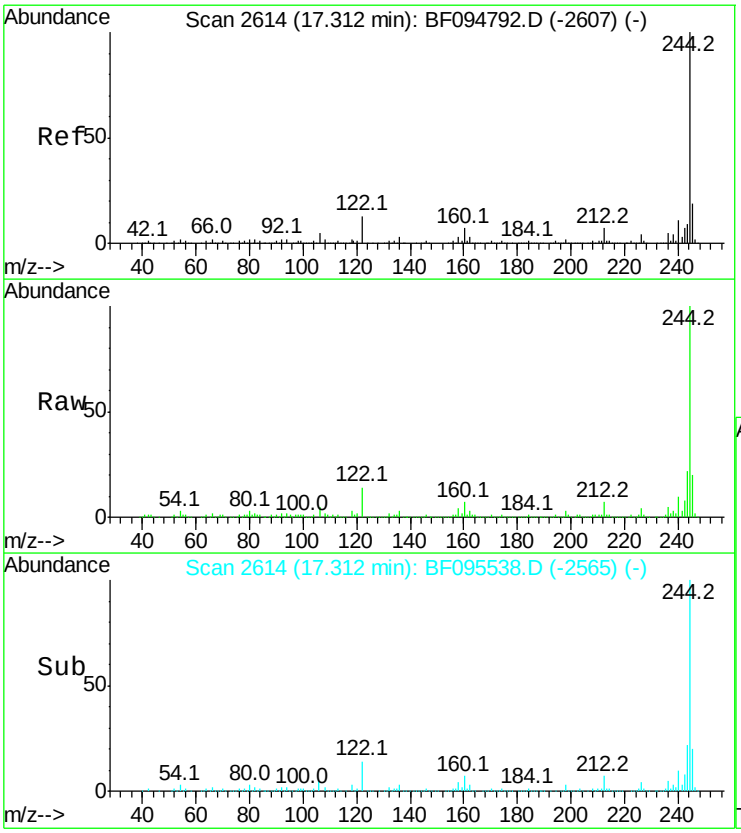
#77
Pyrene
Concen: 25.61 ng
RT: 17.08 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 420231

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.6	14.4	21.6

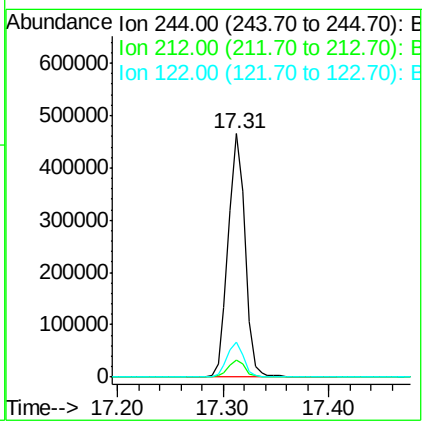


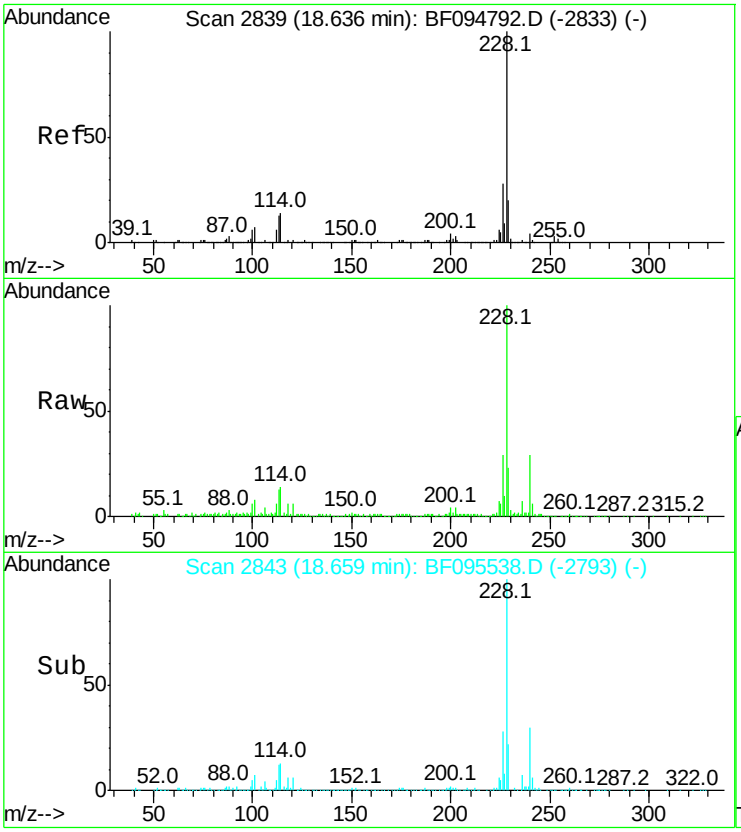


#78
Terphenyl-d14
Concen: 51.39 ng
RT: 17.31 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:244 Resp: 511978

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.5	10.3	15.5



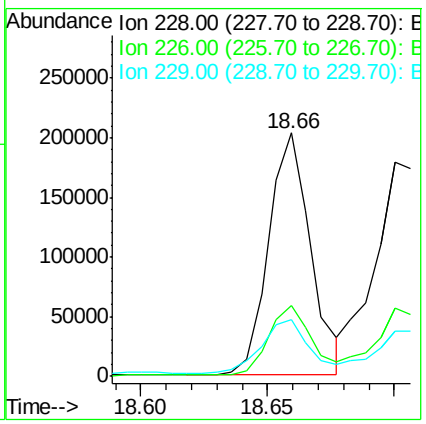


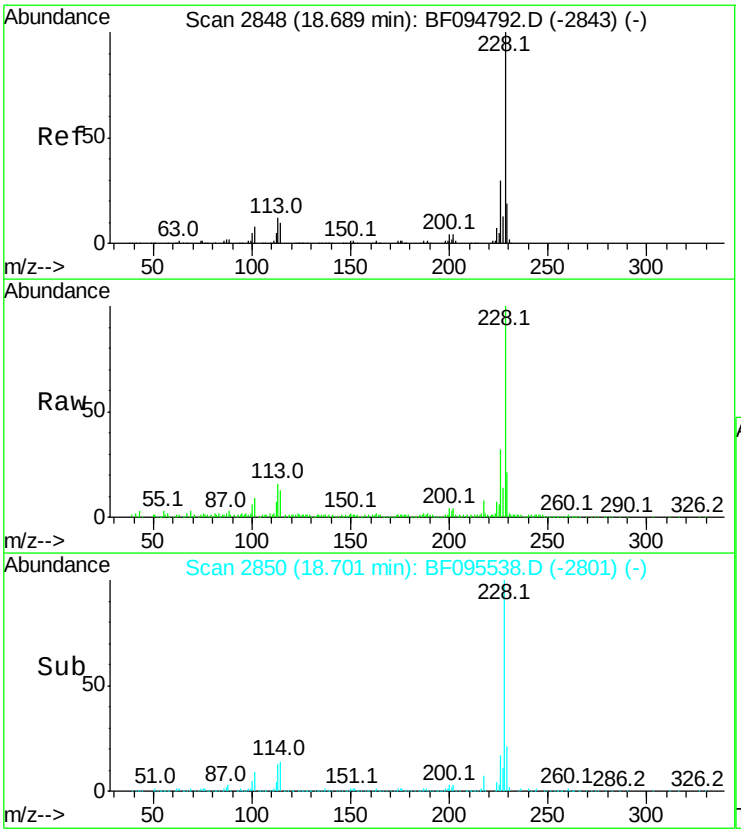
#80
Benzo(a)anthracene
Concen: 18.46 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 235704

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.1	16.3	24.5

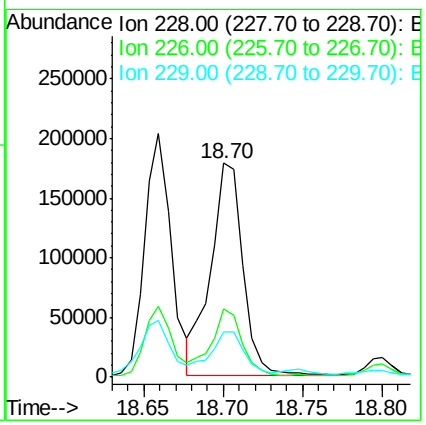


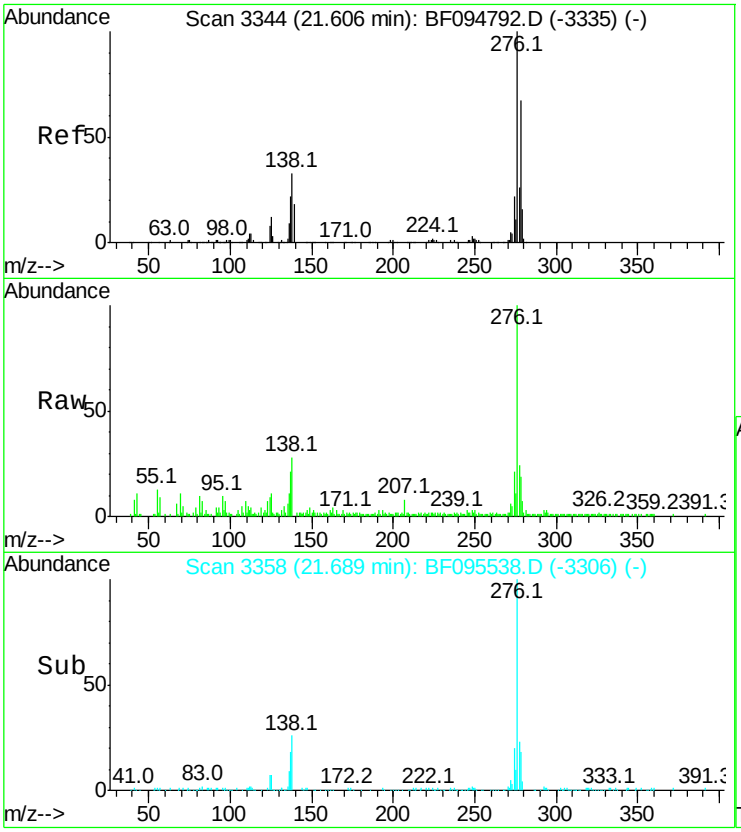


#82
Chrysene
Concen: 20.39 ng
RT: 18.70 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:228 Resp: 251837

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.3	15.8	23.6



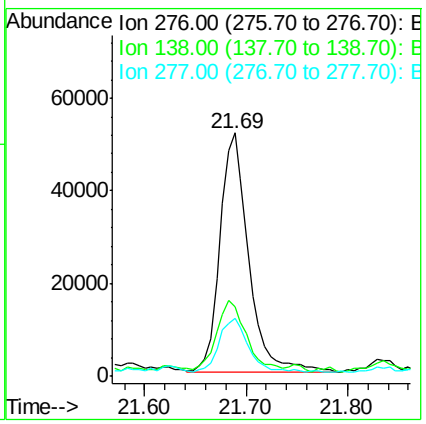


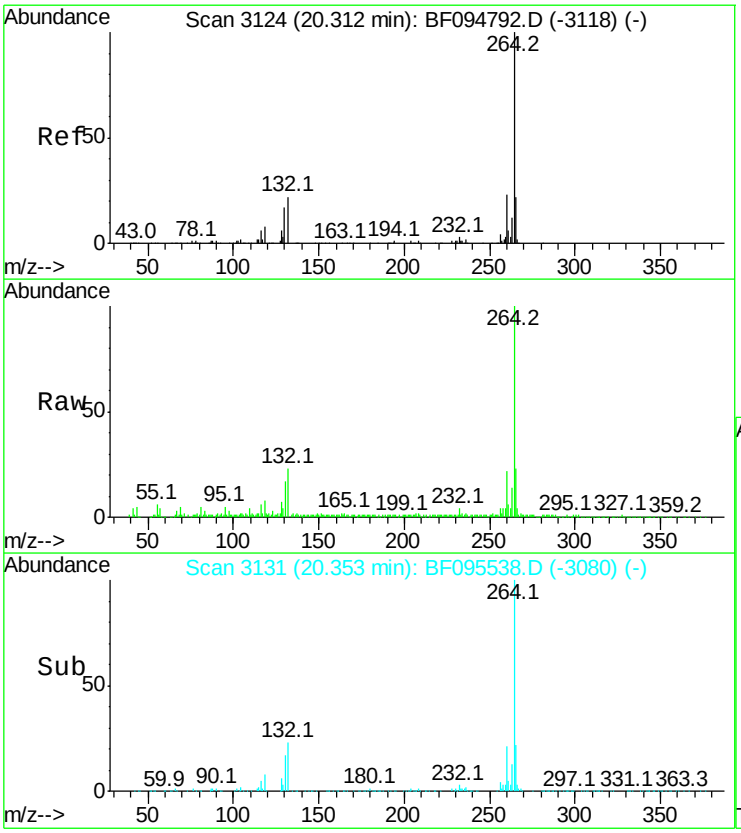
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.20 ng
RT: 21.69 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 102281

Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	23.7	20.2	30.4

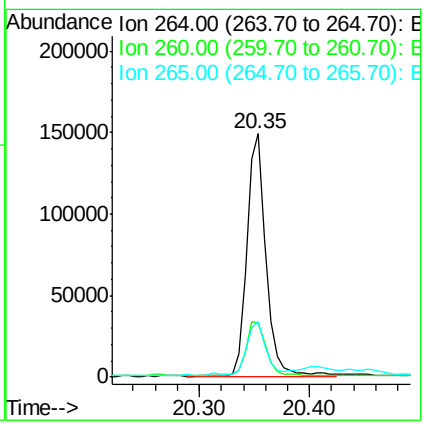


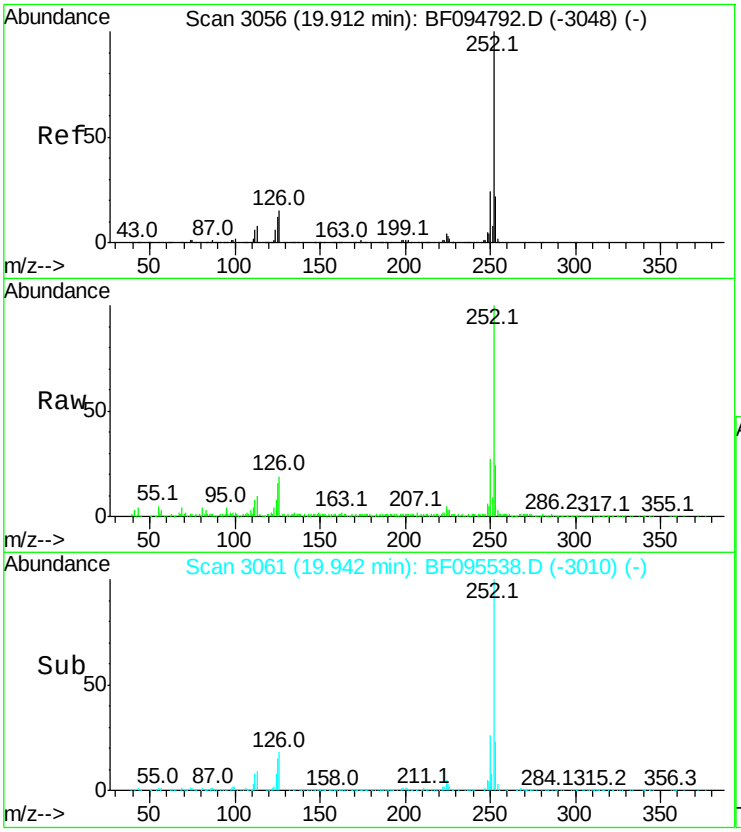


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:264 Resp: 180086

Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.5	29.3
265	22.8	17.2	25.8



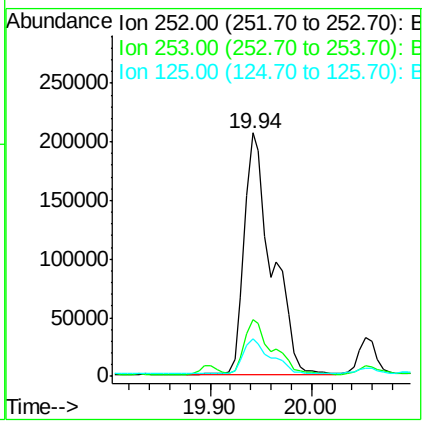


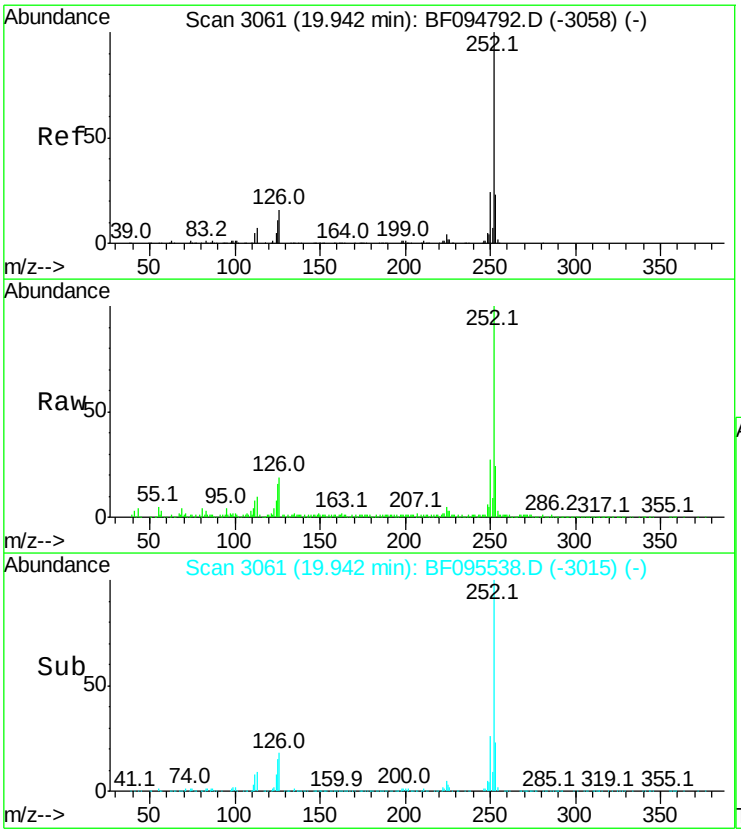
#87
Benzo(b)fluoranthene
Concen: 35.45 ng
RT: 19.94 min Scan# 3061
Delta R.T. 0.00 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 394472

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	15.6	9.8	14.8#

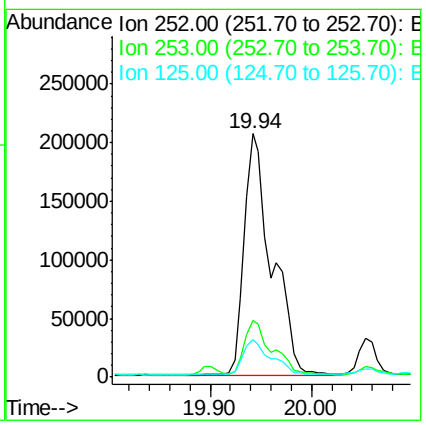


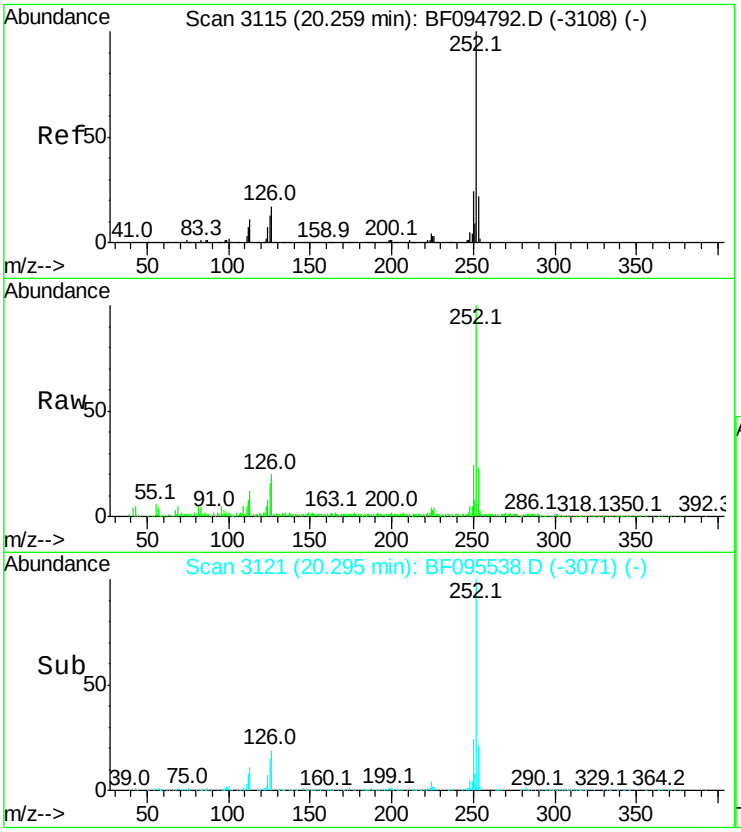


#88
Benzo(k)fluoranthene
Concen: 36.75 ng
RT: 19.94 min Scan# 3061
Delta R.T. -0.03 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:252 Resp: 394472

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	15.6	13.1	19.7



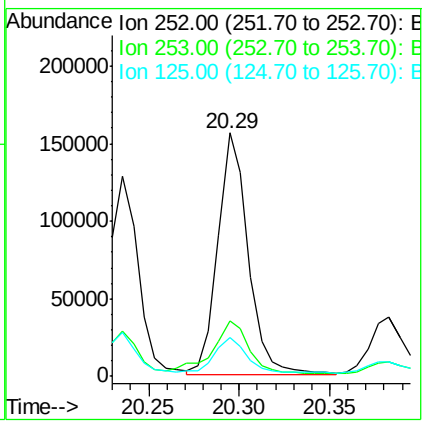


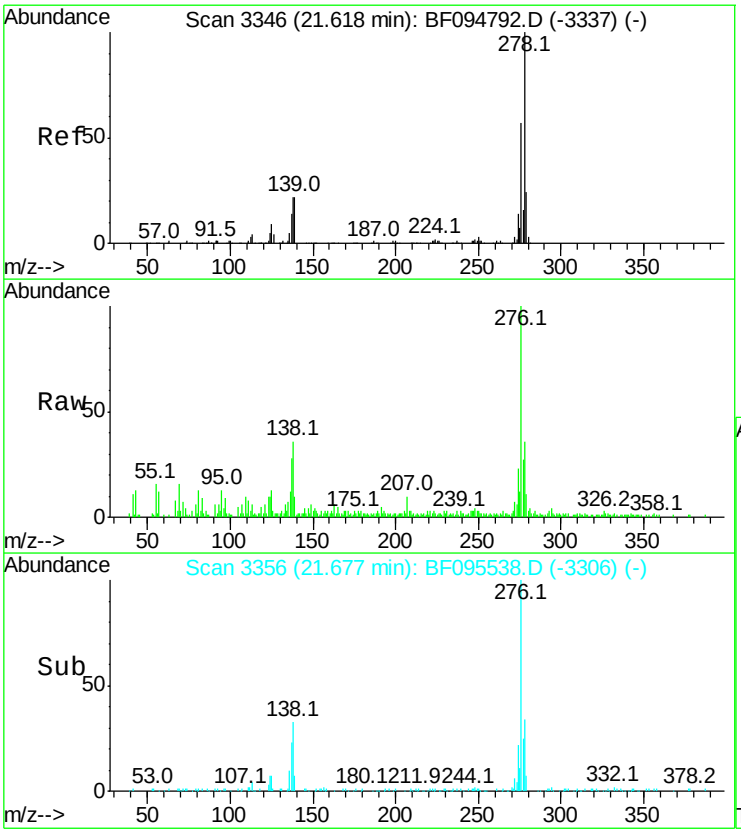
#89
Benzo(a)pyrene
Concen: 17.64 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 181116

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.8	11.0	16.4

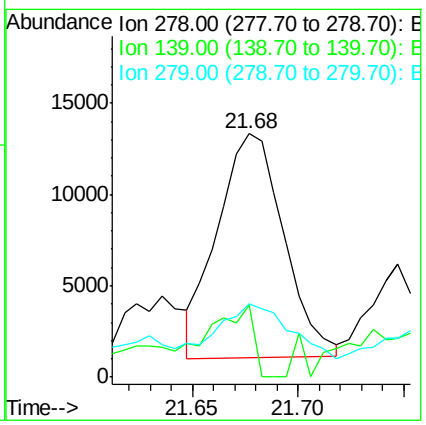


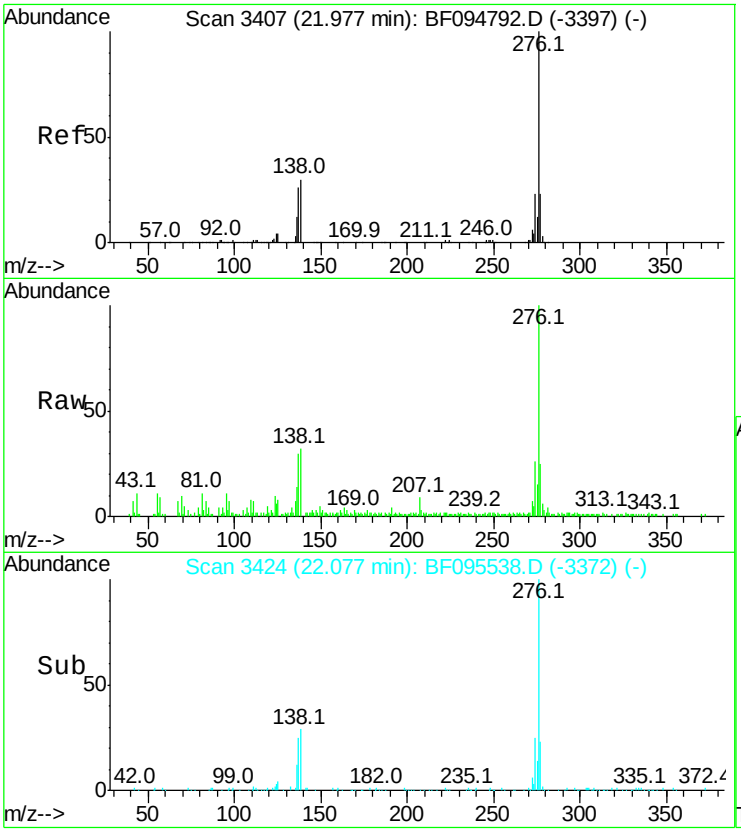


#90
Dibenzo(a,h)anthracene
Concen: 3.15 ng
RT: 21.68 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Tgt Ion:278 Resp: 26732

Ion	Ratio	Lower	Upper
278	100		
139	29.4	16.6	24.8#
279	30.2	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 11.33 ng
RT: 22.08 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BF095538.D
Acq: 30 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 94273

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	31.7	25.4	38.0