Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095443.D
Acq On : 26 May 2017 1:45
Operator : SJ/MA
Sample : I3200-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 26 04:19:35 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	96007	20.00	ng		-0.02
21) Naphthalene-d8	9.77	136	387392	20.00	ng		-0.01
38) Acenaphthene-d10	12.60	164	160528	20.00	ng		-0.02
63) Phenanthrene-d10	15.00	188	245136	20.00	ng		-0.02
75) Chrysene-d12	18.68	240	195273	20.00	ng		-0.02
86) Perylene-d12	20.36	264	149159	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.75	112	91067	15.81	ng		0.02
7) Phenol-d6	7.34	99	129894	18.80	ng		0.03
23) Nitrobenzene-d5	8.67	82	77047	12.54	ng		0.00
41) 2,4,6-Tribromophenol	13.92	330	23143	17.60	ng		0.00
44) 2-Fluorobiphenyl	11.54	172	188616	16.91	ng		-0.02
78) Terphenyl-d14	17.32	244	114177	12.88	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	9.81	128	48410	2.49	ng		99
32) Benzoic acid	9.68	122	107	5.11	ng	#	1
37) 2-Methylnaphthalene	11.09	142	35628	2.79	ng		95
48) Acenaphthylene	12.37	152	73603	4.31	ng		98
49) Dimethylphthalate	12.24	163	36079	2.74	ng		99
50) 2,6-Dinitrotoluene	12.60	165	19837	7.38	ng	#	33
51) Acenaphthene	12.65	154	29501	2.89	ng		95
54) Dibenzofuran	12.95	168	71949	5.09	ng		95
57) Fluorene	13.49	166	61475	5.00	ng		97
70) Phenanthrene	15.04	178	861728	61.18	ng		98
71) Anthracene	15.04	178	861728	59.90	ng		99
72) Carbazole	15.42	167	48946	3.74	ng		97
74) Fluoranthene	16.79	202	843107	58.35	ng		99
76) Benzidine	17.02	184	134	6.61	ng	#	62
77) Pyrene	17.09	202	753260	51.58	ng		97
80) Benzo(a)anthracene	18.67	228	324571	28.56	ng		97
82) Chrysene	18.71	228	321372	29.24	ng		98
85) Indeno(1,2,3-cd)pyrene	21.69	276	93938	10.53	ng		94
87) Benzo(b)fluoranthene	19.95	252	365611	39.67	ng	#	96
88) Benzo(k)fluoranthene	19.95	252	365611	41.12	ng		99
89) Benzo(a)pyrene	20.30	252	187500	22.05	ng		95
90) Dibenzo(a,h)anthracene	21.69	278	22769	3.24	ng	#	76
91) Benzo(g,h,i)perylene	22.08	276	88172	12.79	ng		97

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

Quantitation Report (Not Reviewed)

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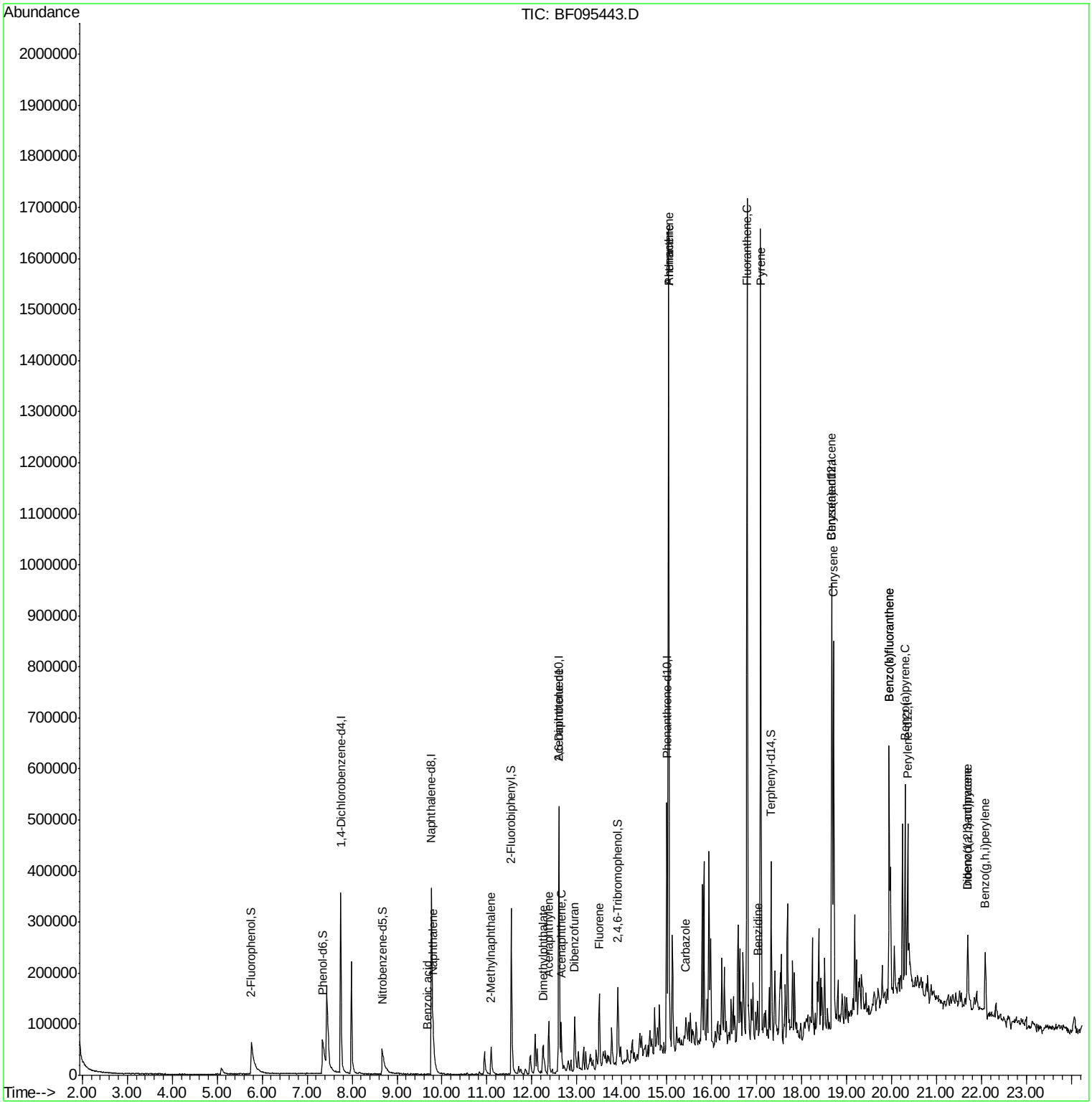
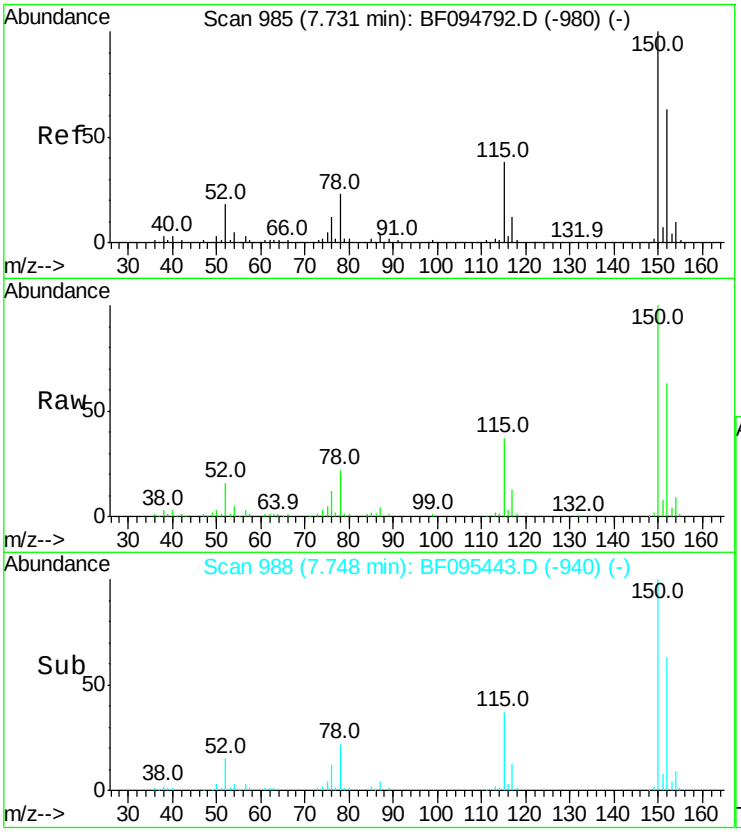


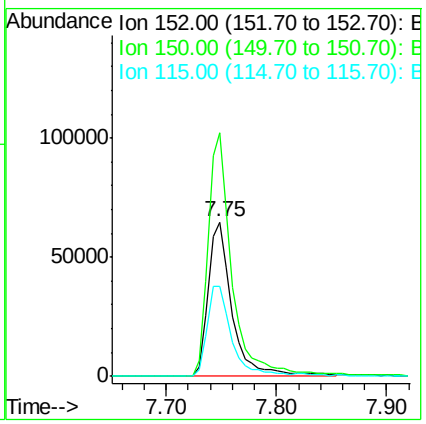


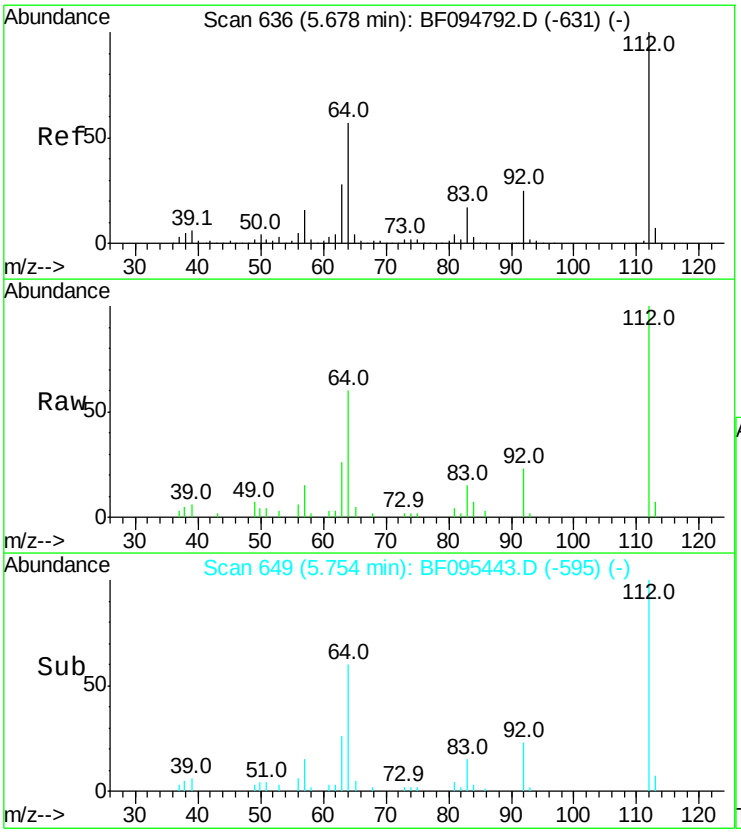
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 96007

Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	58.8	52.2	78.2

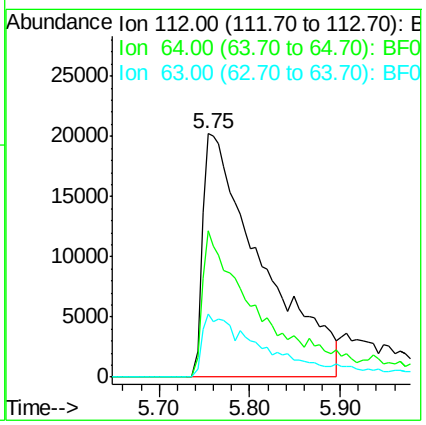


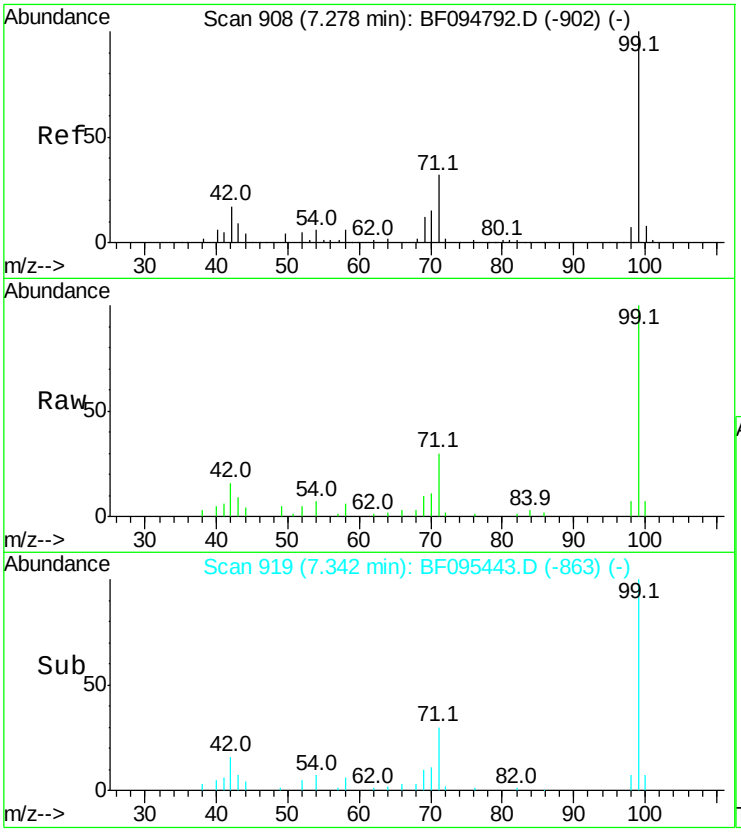


#5
2-Fluorophenol
Concen: 15.81 ng
RT: 5.75 min Scan# 649
Delta R.T. 0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:112 Resp: 91067

Ion	Ratio	Lower	Upper
112	100		
64	59.9	46.0	69.0
63	26.0	23.4	35.0



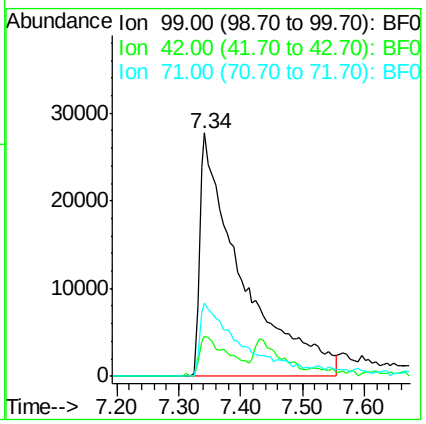


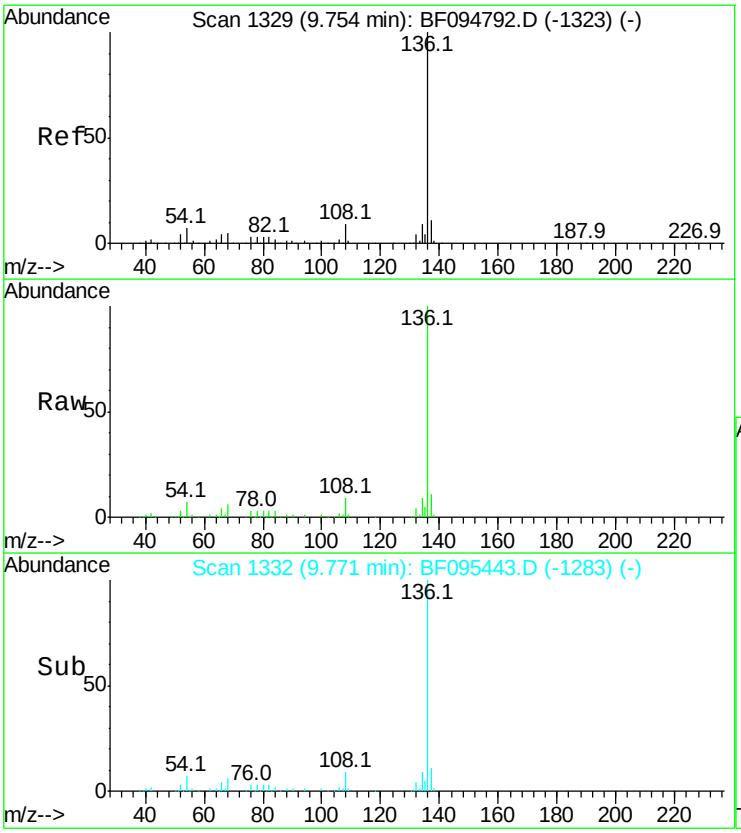
#7
Phenol-d6
Concen: 18.80 ng
RT: 7.34 min Scan# 919
Delta R.T. 0.03 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 129894

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	30.2	24.5	36.7

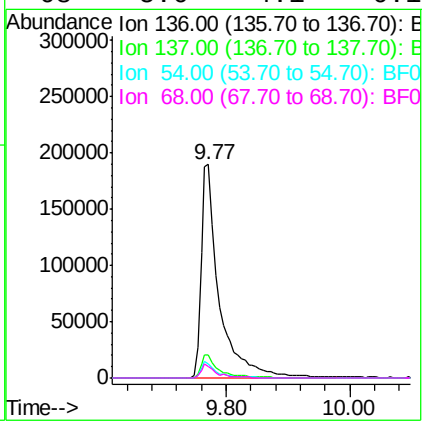


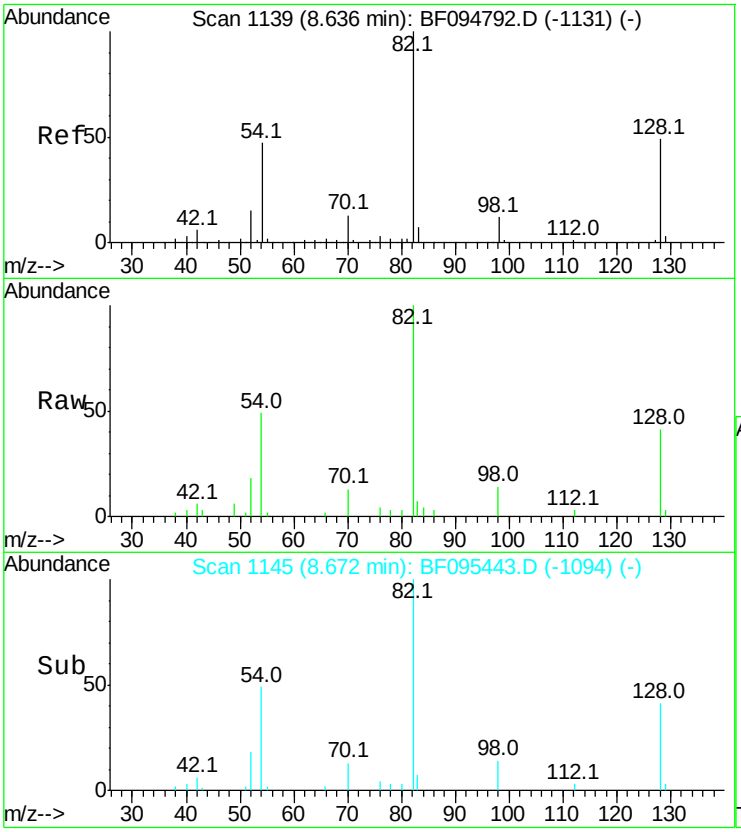


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:136 Resp: 387392

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.6	4.9	7.3
68	5.6	4.1	6.1



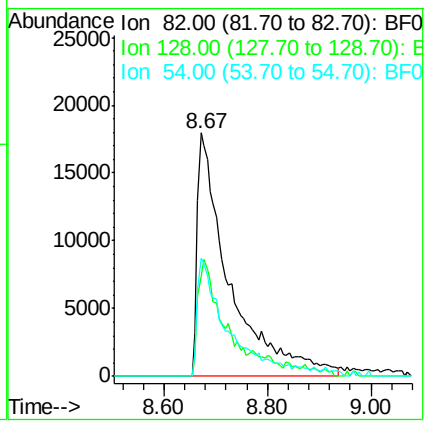


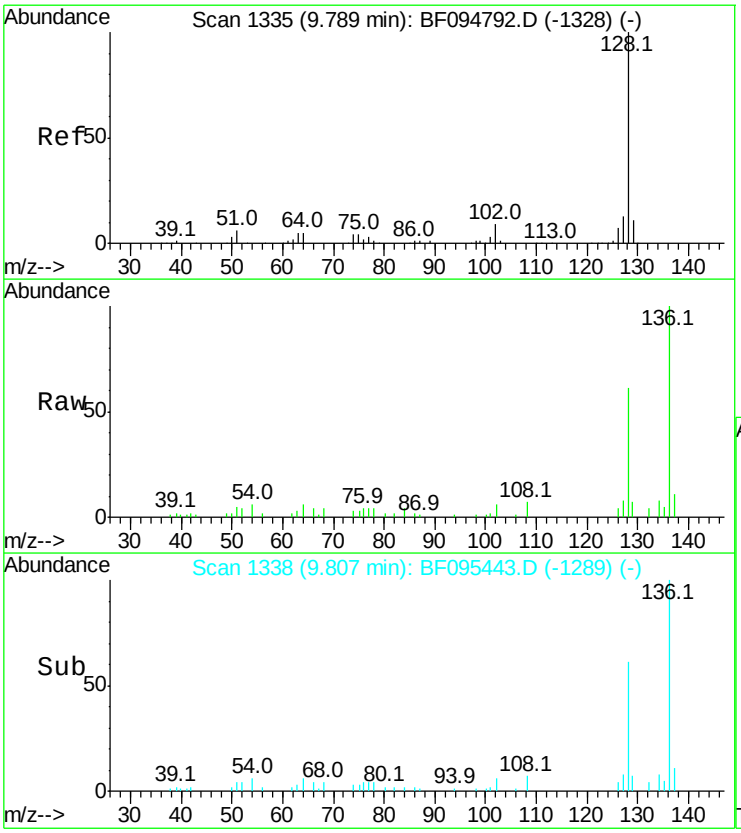
#23
Nitrobenzene-d5
Concen: 12.54 ng
RT: 8.67 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 77047

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	48.7	42.2	63.2

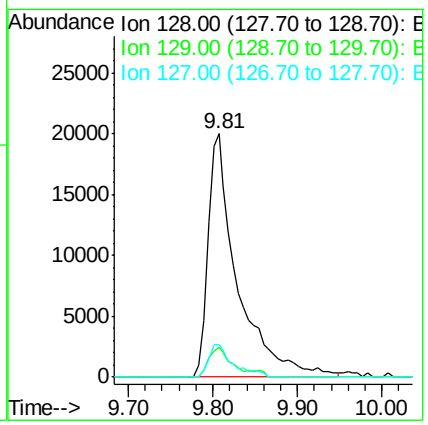


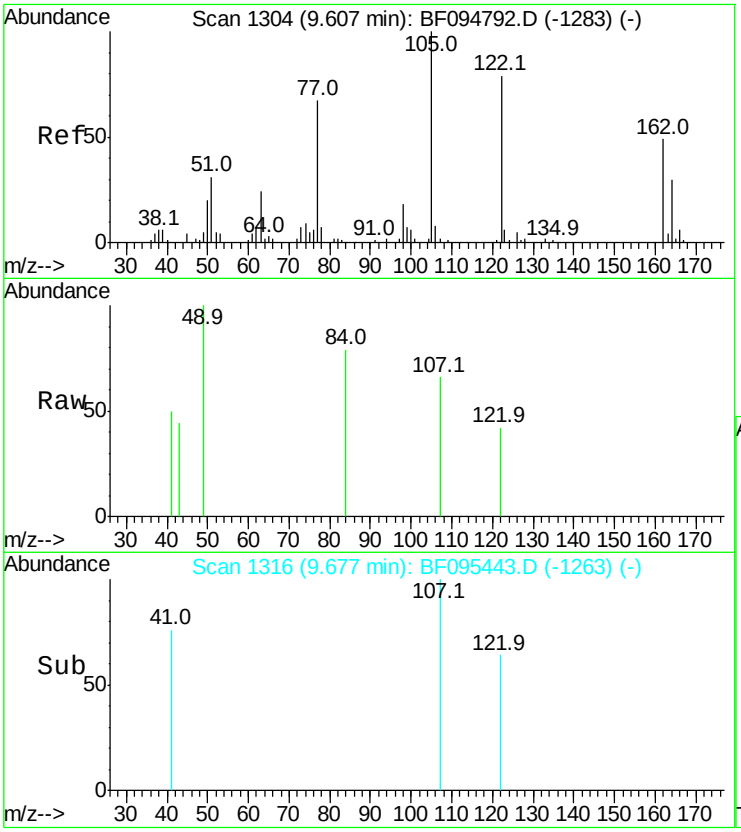


#31
Naphthalene
Concen: 2.49 ng
RT: 9.81 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:128 Resp: 48410

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.0	13.6
127	13.2	10.8	16.2



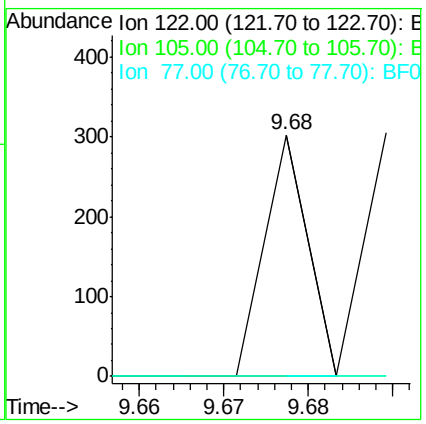


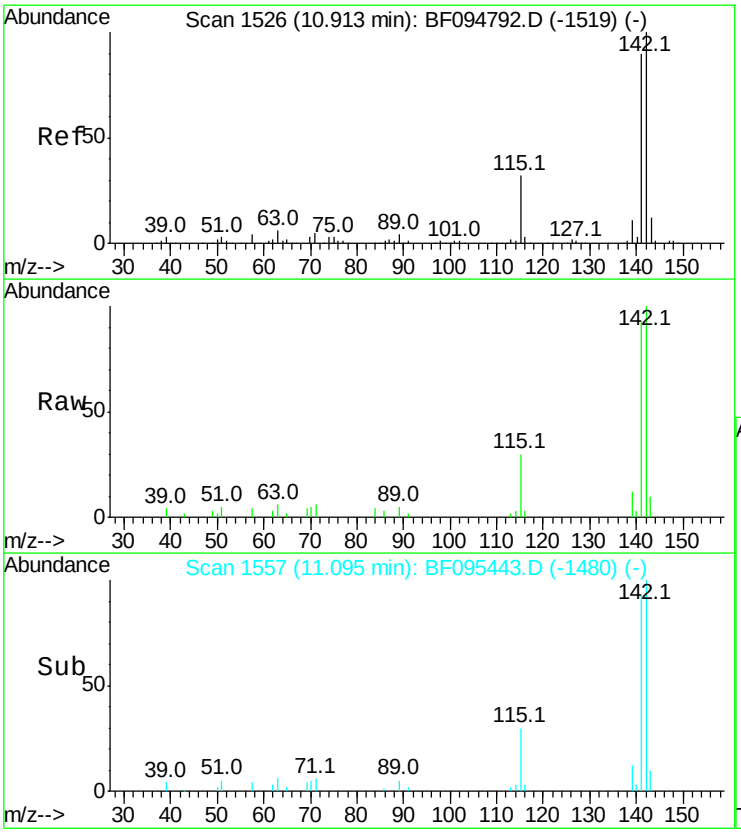
#32
Benzoic acid
Concen: 5.11 ng
RT: 9.68 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 107

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

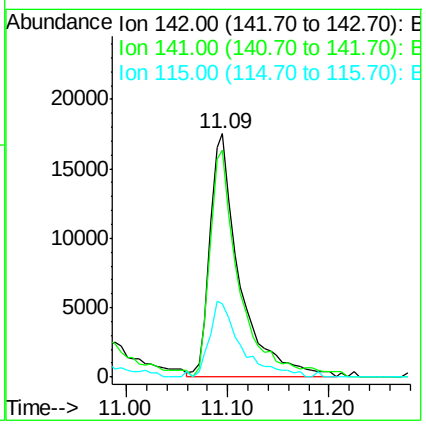


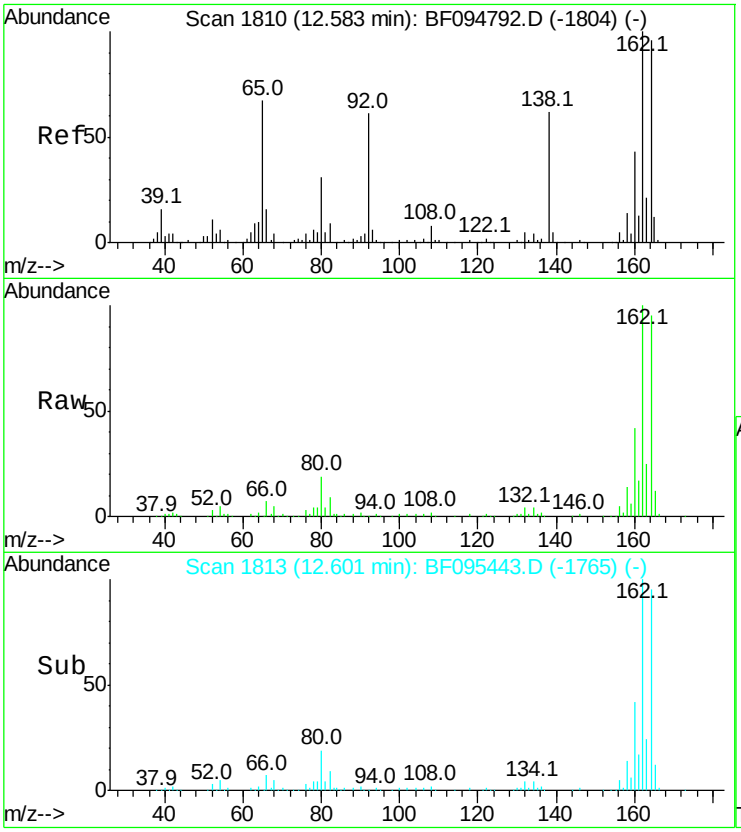


#37
2-Methylnaphthalene
Concen: 2.79 ng
RT: 11.09 min Scan# 1557
Delta R.T. 0.15 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:142 Resp: 35628

Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.3	106.9
115	30.1	27.1	40.7



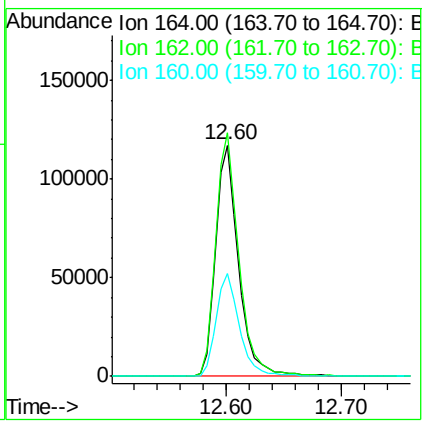


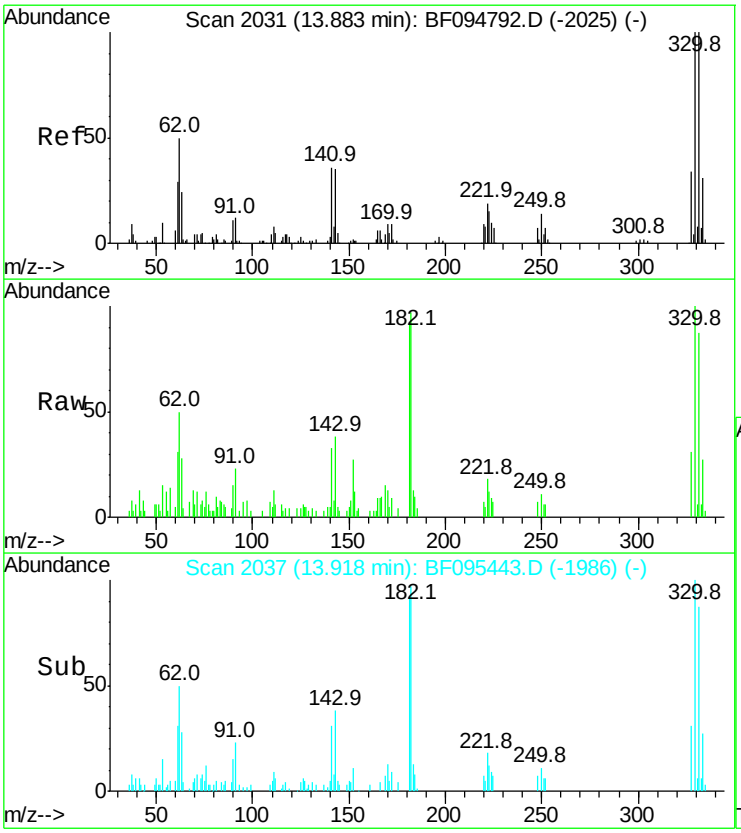
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 160528

Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	44.4	36.2	54.2

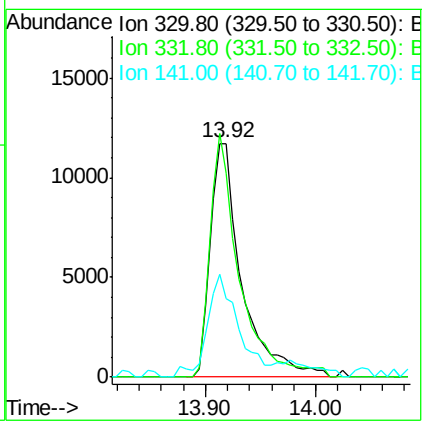


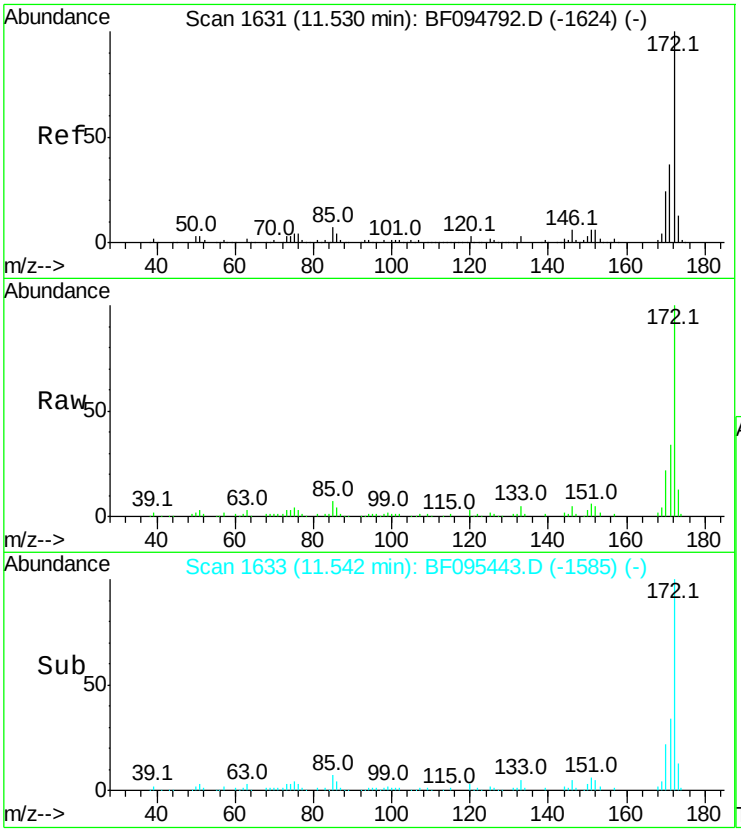


#41
2,4,6-Tribromophenol
Concen: 17.60 ng
RT: 13.92 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:330 Resp: 23143

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	43.6	31.4	47.2



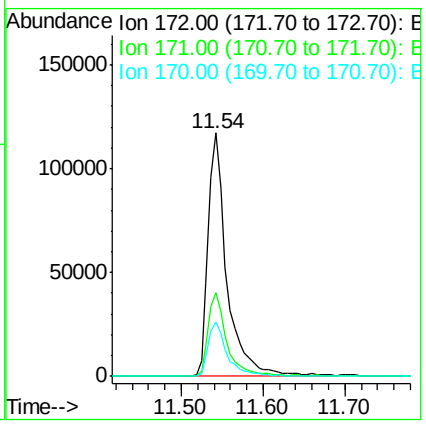


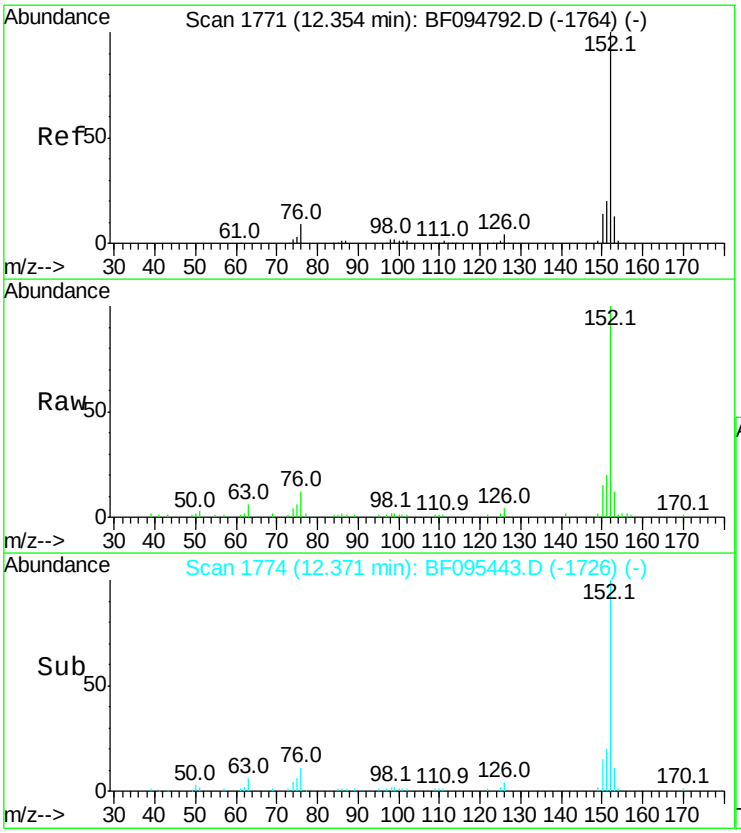
#44
2-Fluorobiphenyl
Concen: 16.91 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 188616

Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.6	44.4
170	22.0	19.8	29.8

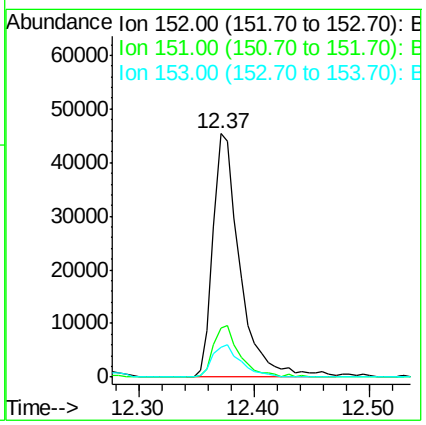


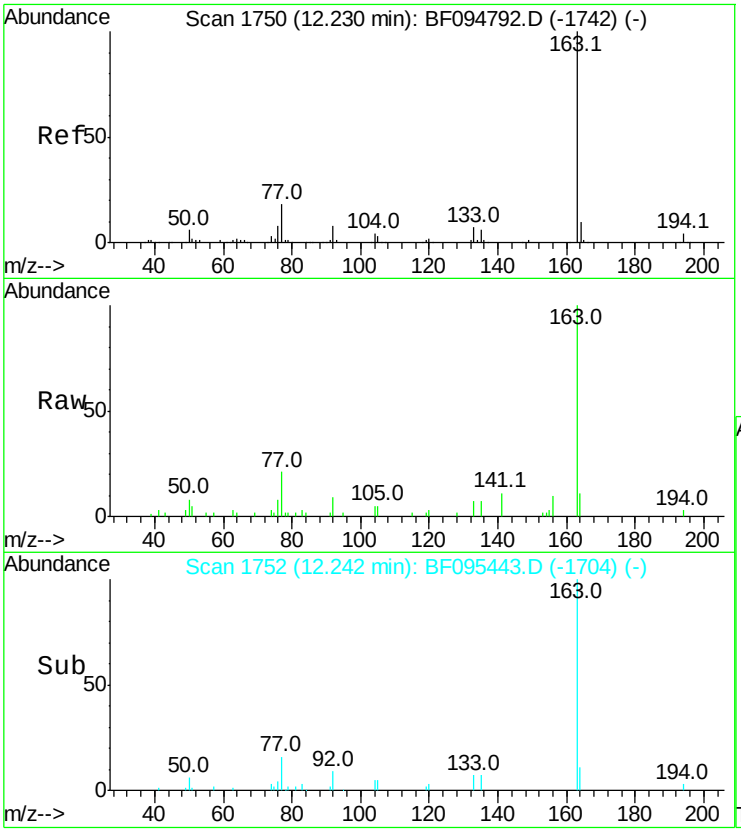


#48
Acenaphthylene
Concen: 4.31 ng
RT: 12.37 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:152 Resp: 73603

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	12.5	10.8	16.2



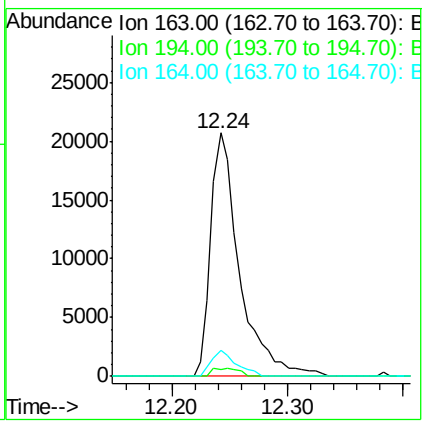


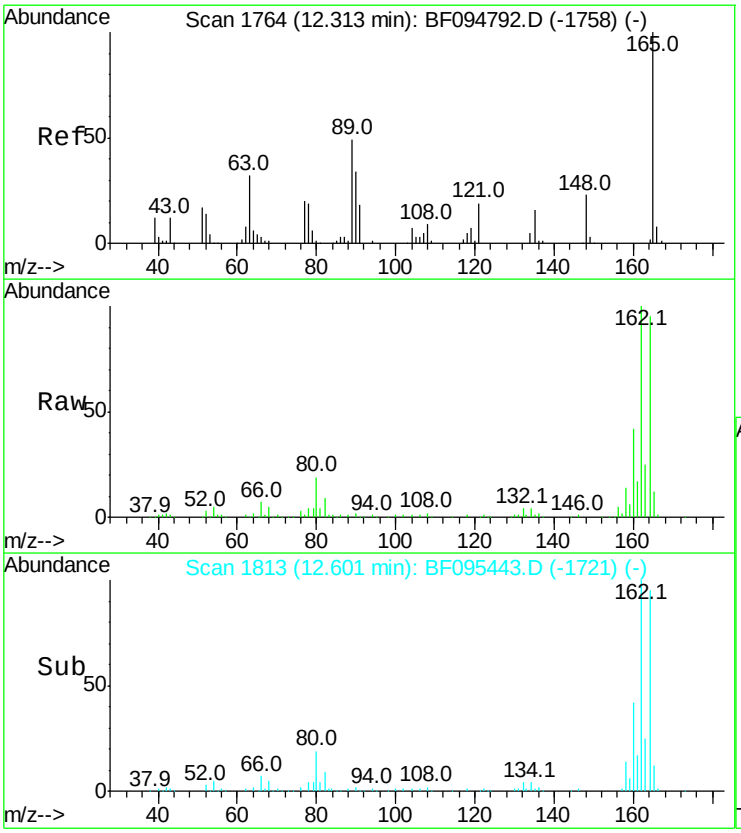
#49
Dimethylphthalate
Concen: 2.74 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 36079

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.7	8.4	12.6

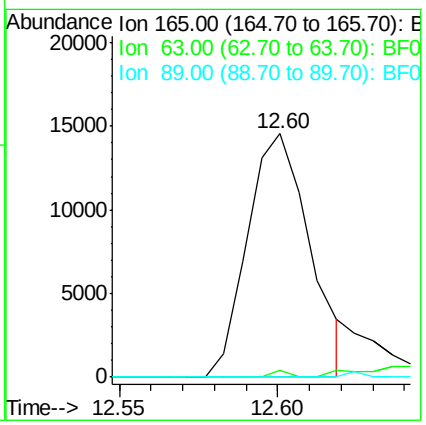


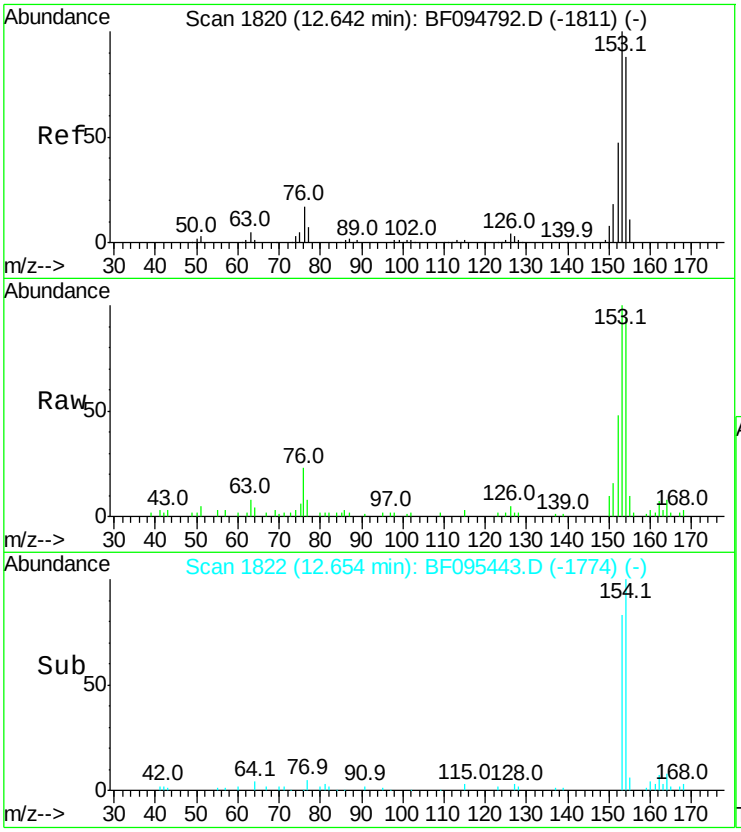


#50
2,6-Dinitrotoluene
Concen: 7.38 ng
RT: 12.60 min Scan# 1813
Delta R.T. 0.24 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:165 Resp: 19837

Ion	Ratio	Lower	Upper
165	100		
63	2.6	34.3	51.5#
89	0.0	37.1	55.7#



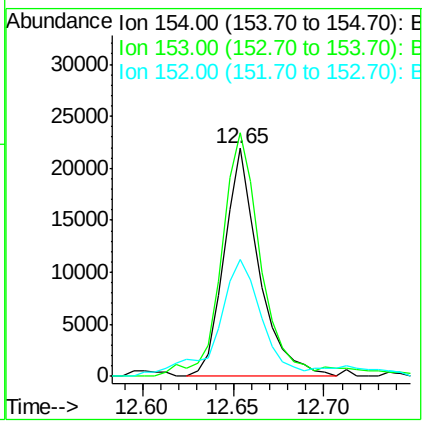


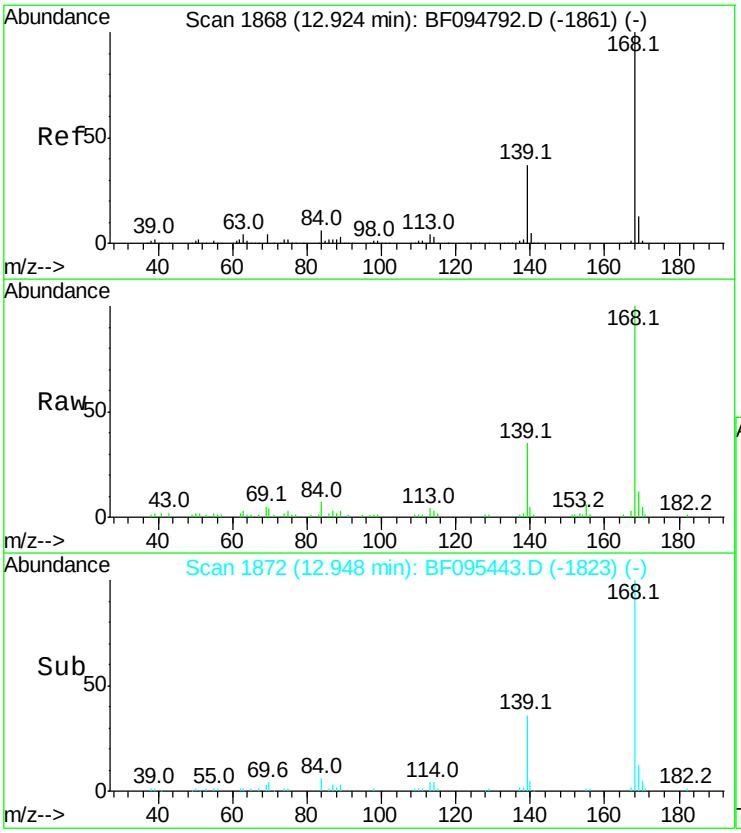
#51
Acenaphthene
Concen: 2.89 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 29501

Ion	Ratio	Lower	Upper
154	100		
153	106.7	90.5	135.7
152	51.5	43.6	65.4

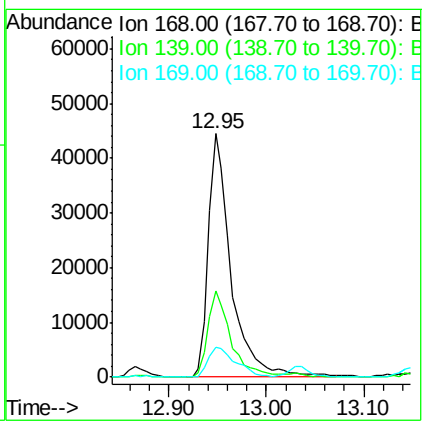


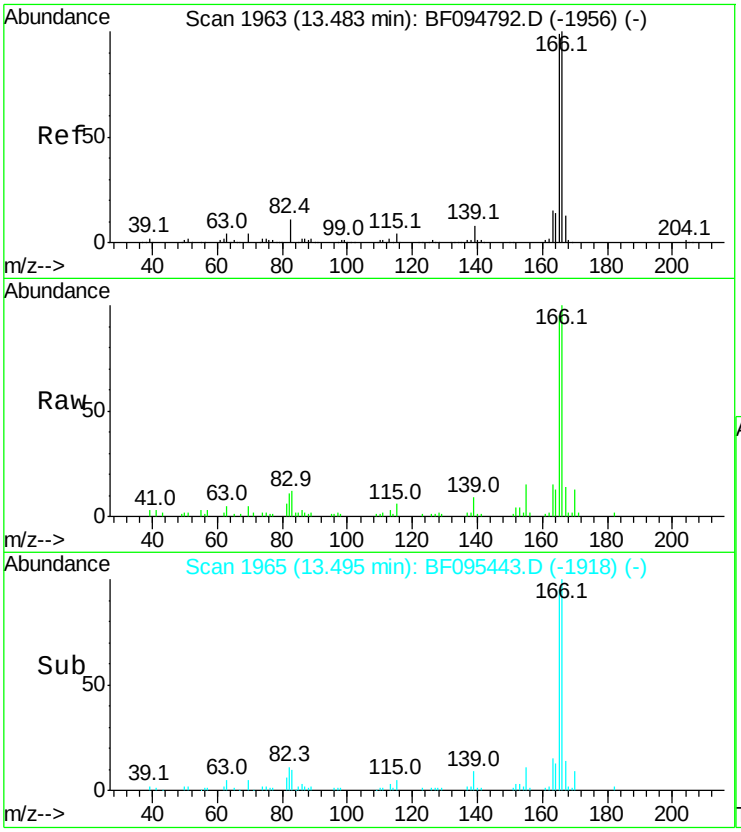


#54
Dibenzofuran
Concen: 5.09 ng
RT: 12.95 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:168 Resp: 71949

Ion	Ratio	Lower	Upper
168	100		
139	35.2	30.6	45.8
169	12.2	10.8	16.2



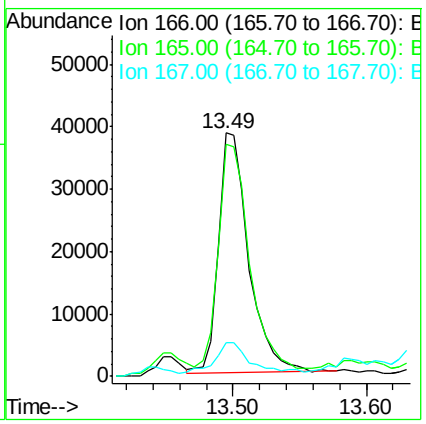


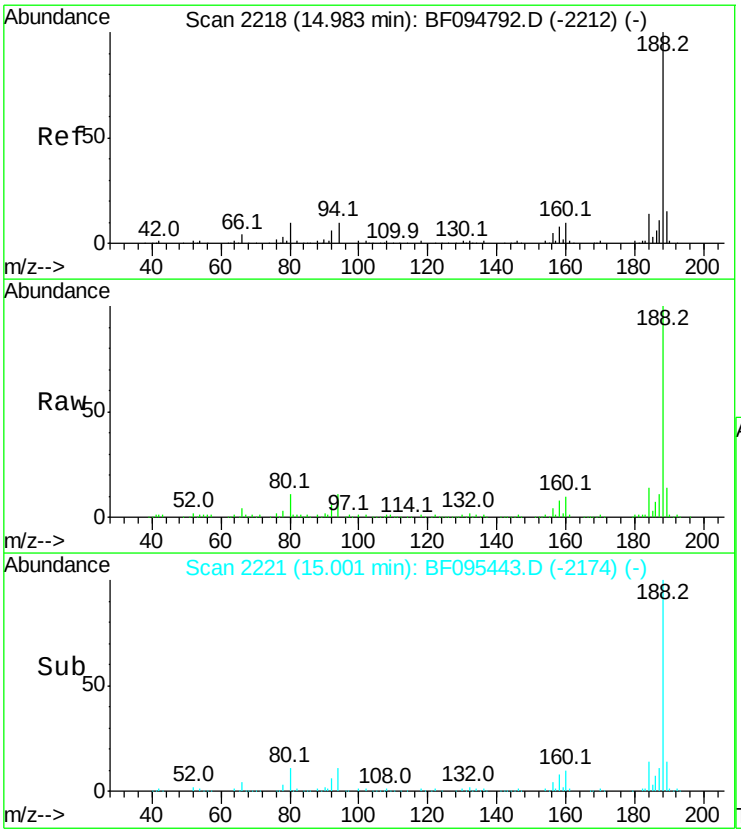
#57
Fluorene
Concen: 5.00 ng
RT: 13.49 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 61475

Ion	Ratio	Lower	Upper
166	100		
165	95.1	78.8	118.2
167	13.6	10.6	16.0

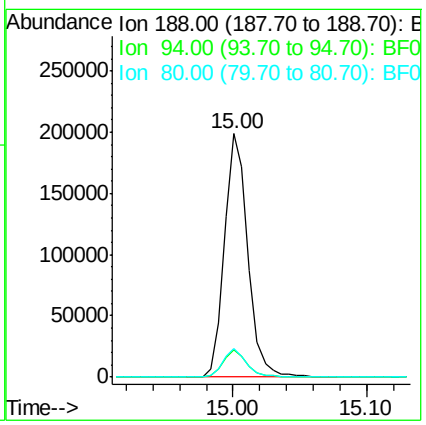


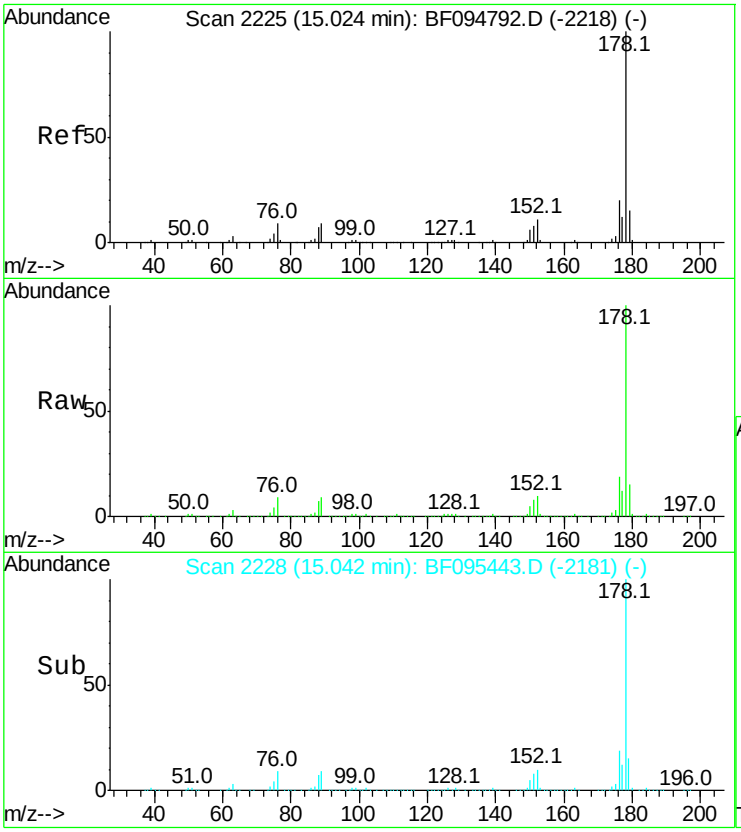


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:188 Resp: 245136

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.5	10.2	15.2



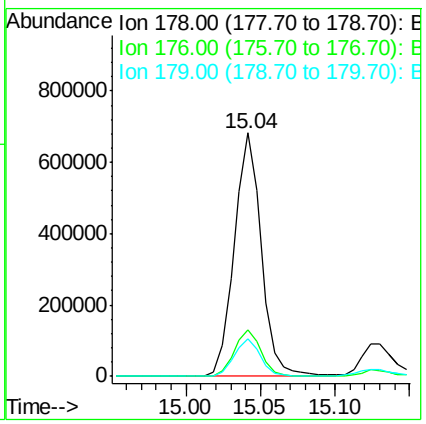


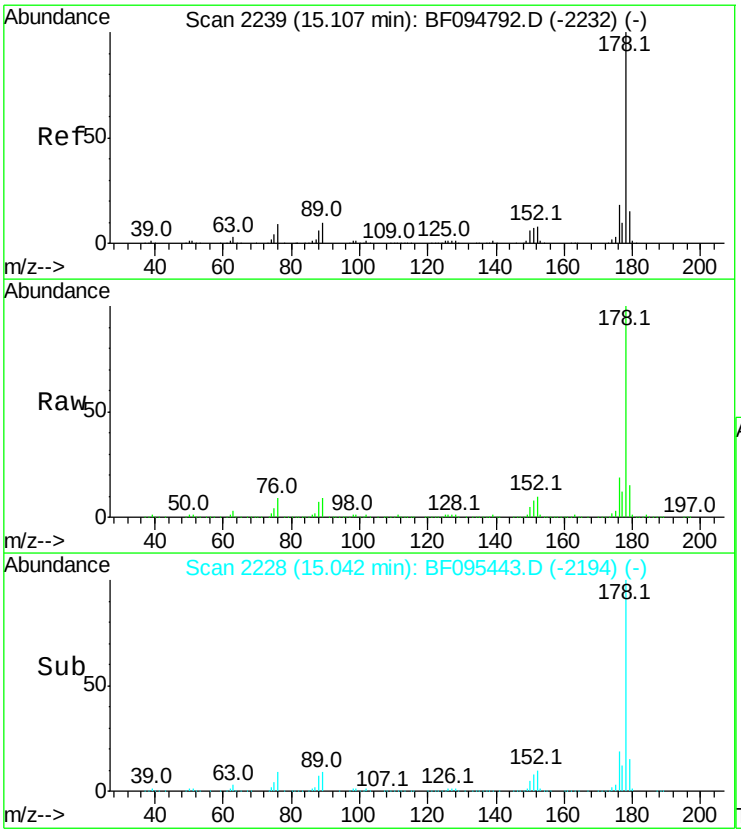
#70
Phenanthrene
Concen: 61.18 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 861728

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.4	12.6	19.0

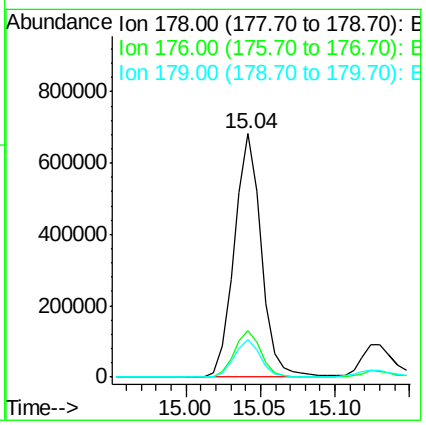


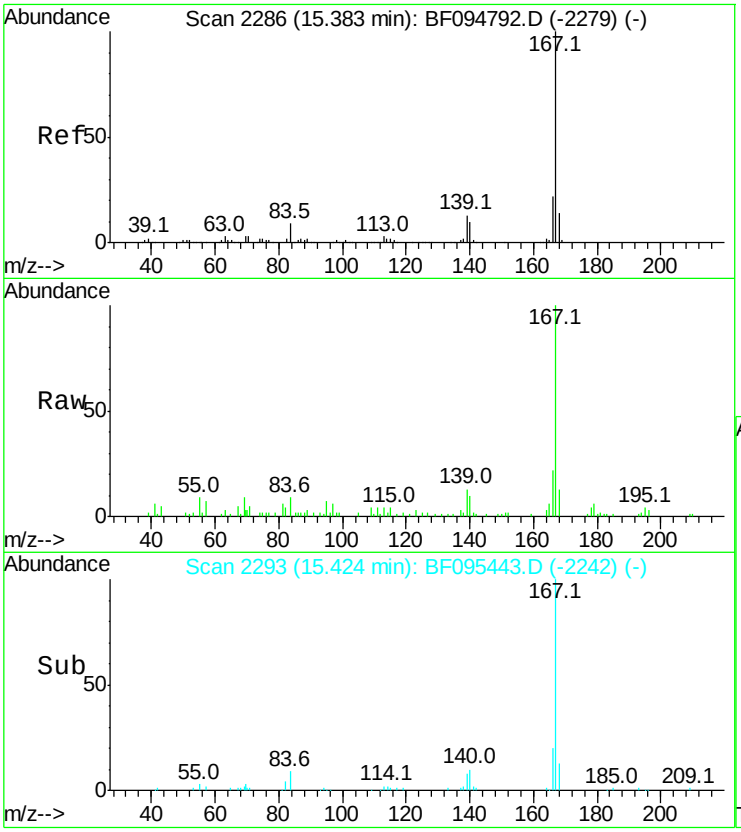


#71
Anthracene
Concen: 59.90 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.10 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:178 Resp: 861728

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	12.7	19.1



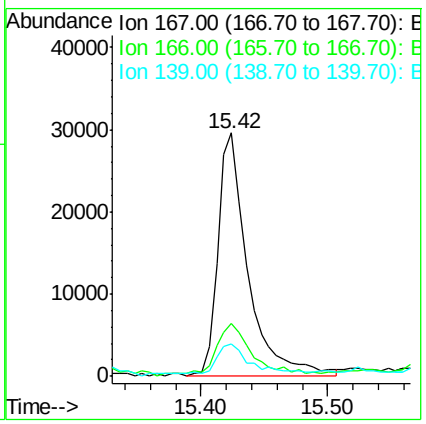


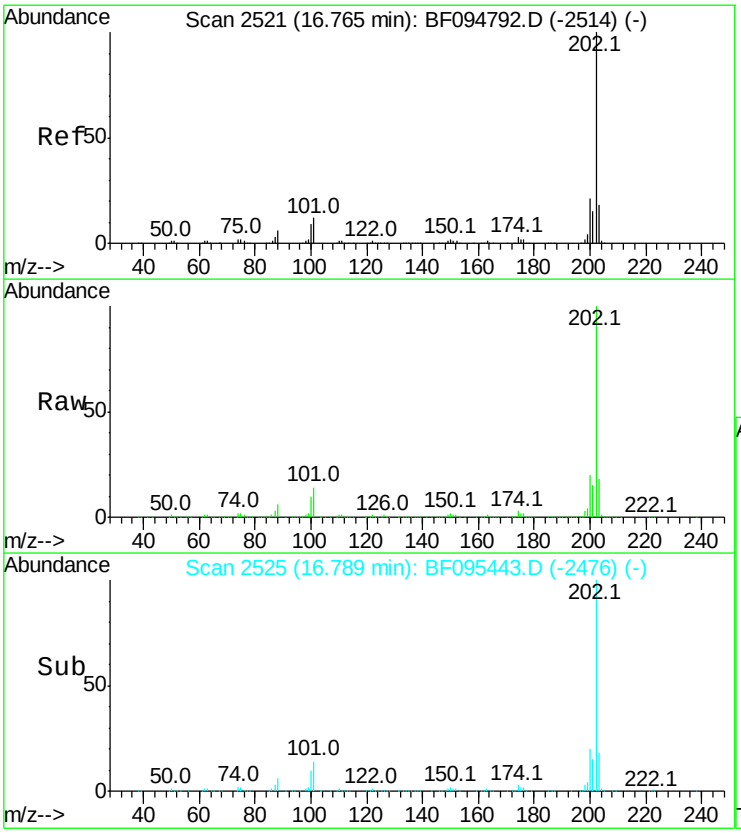
#72
Carbazole
Concen: 3.74 ng
RT: 15.42 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 48946

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.1	27.1
139	13.4	11.7	17.5

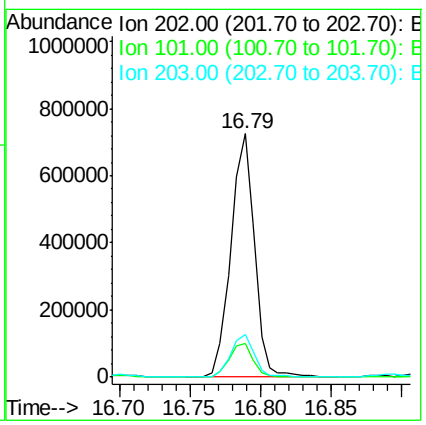


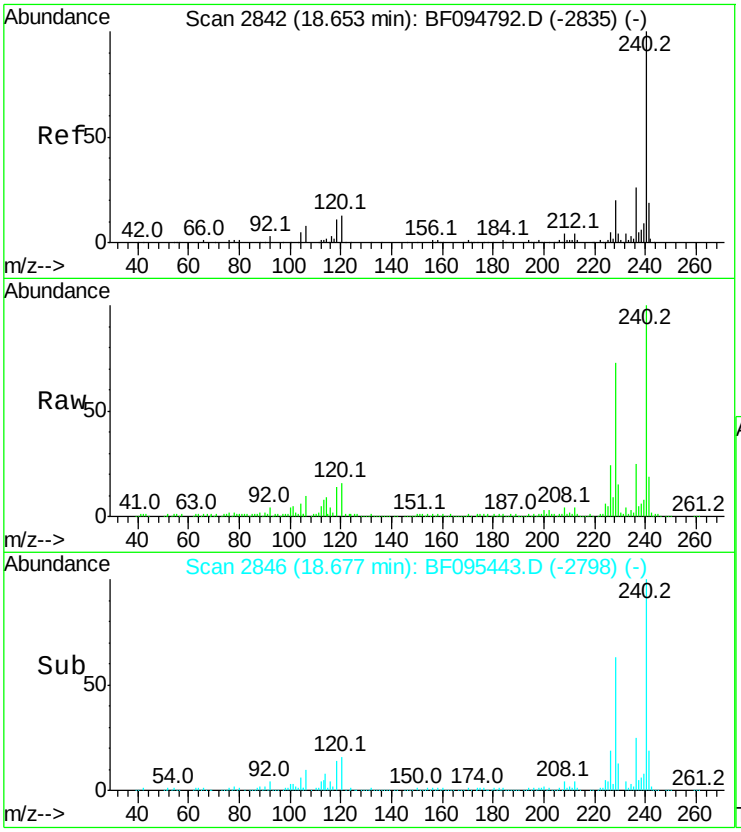


#74
Fluoranthene
Concen: 58.35 ng
RT: 16.79 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:202 Resp: 843107

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.6	0.0	38.1



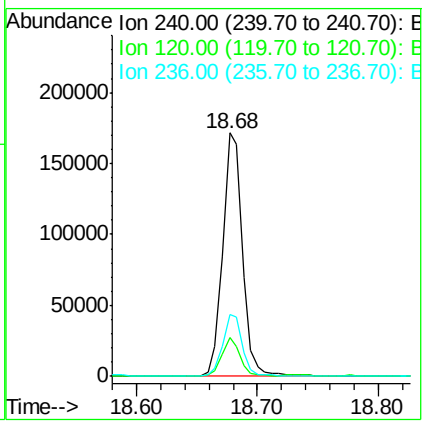


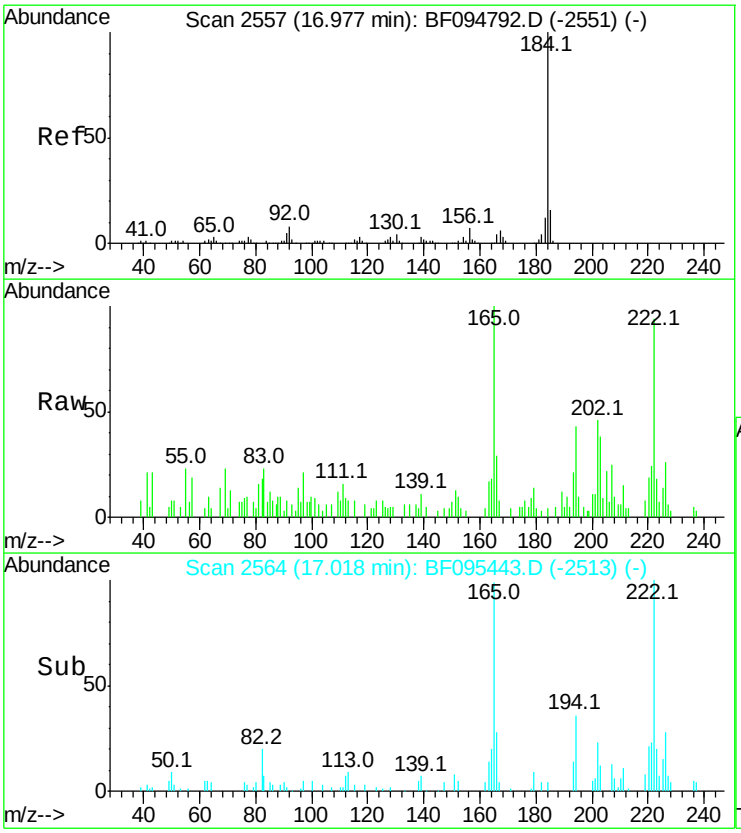
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 195273

Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	25.2	20.5	30.7

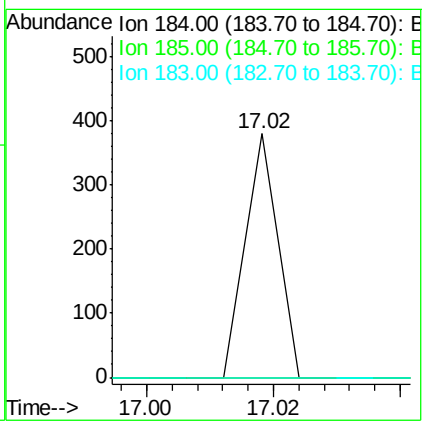


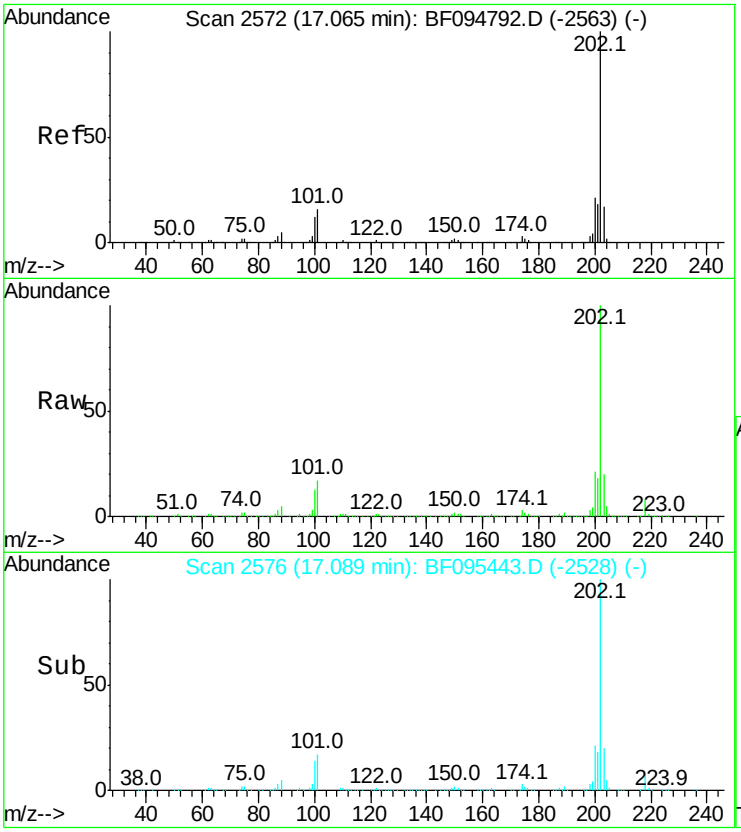


#76
Benzidine
Concen: 6.61 ng
RT: 17.02 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:184 Resp: 134

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



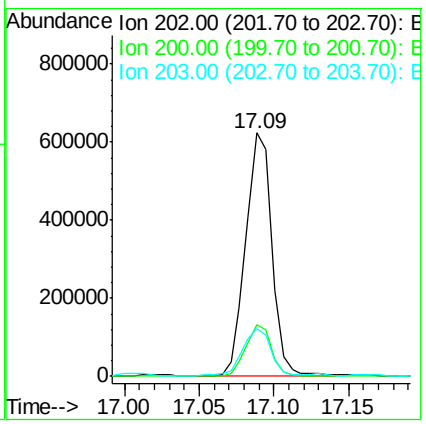


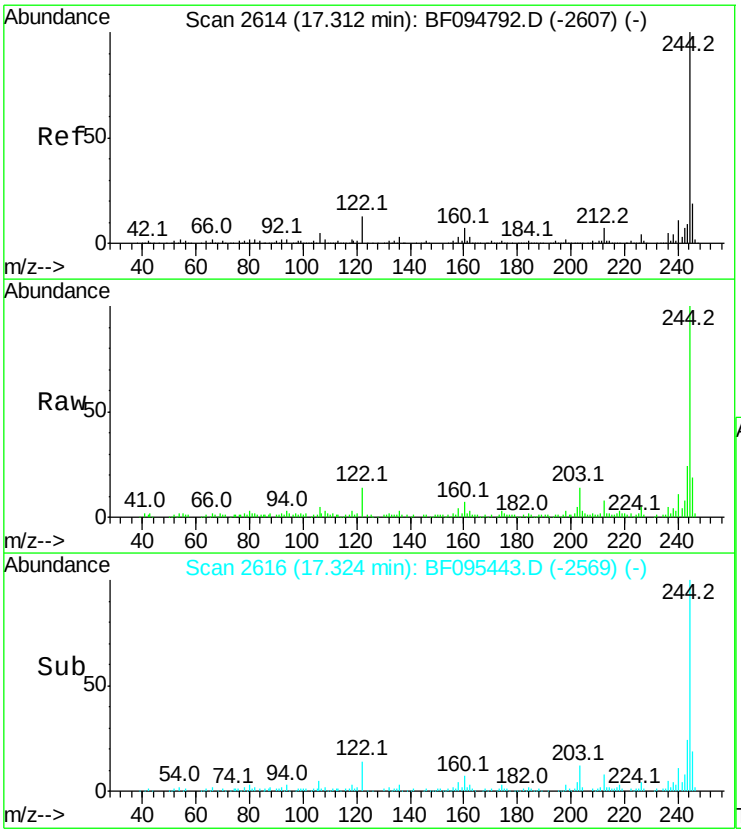
#77
Pyrene
Concen: 51.58 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 753260

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.8	14.4	21.6

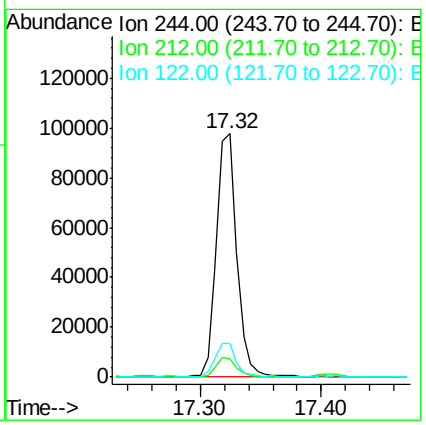


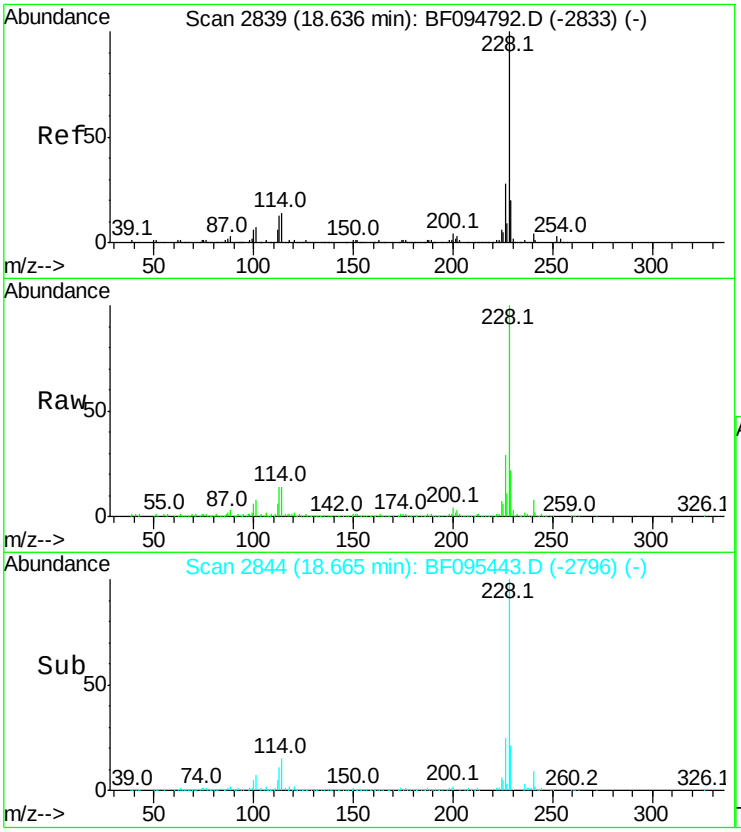


#78
Terphenyl-d14
Concen: 12.88 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:244 Resp: 114177

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.9	10.3	15.5



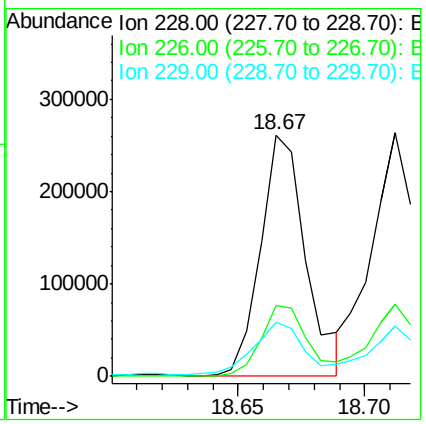


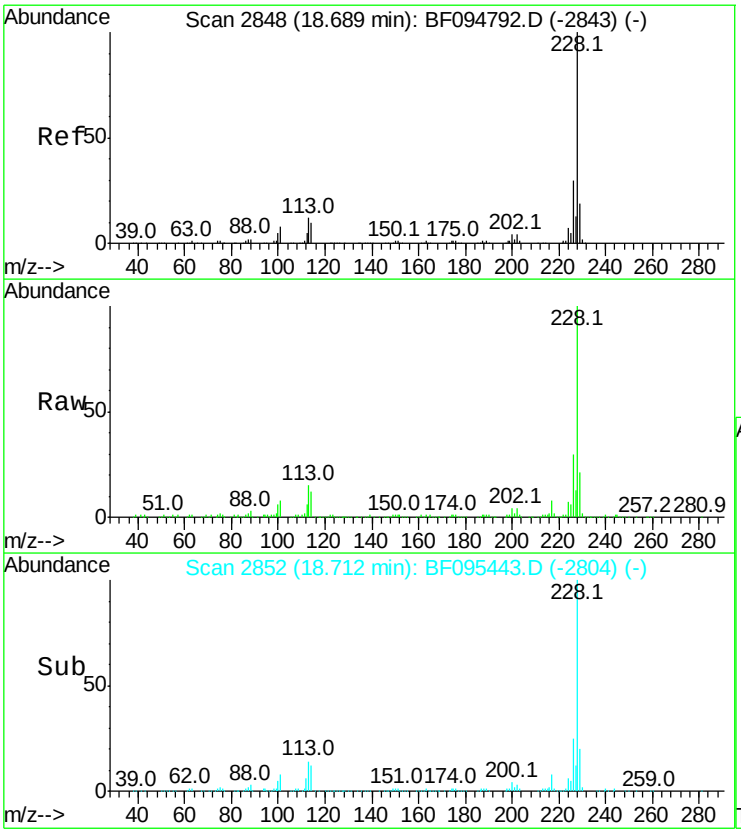
#80
Benzo(a)anthracene
Concen: 28.56 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 324571

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	22.4	16.3	24.5

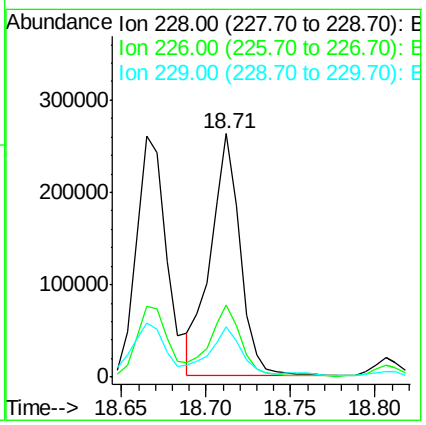


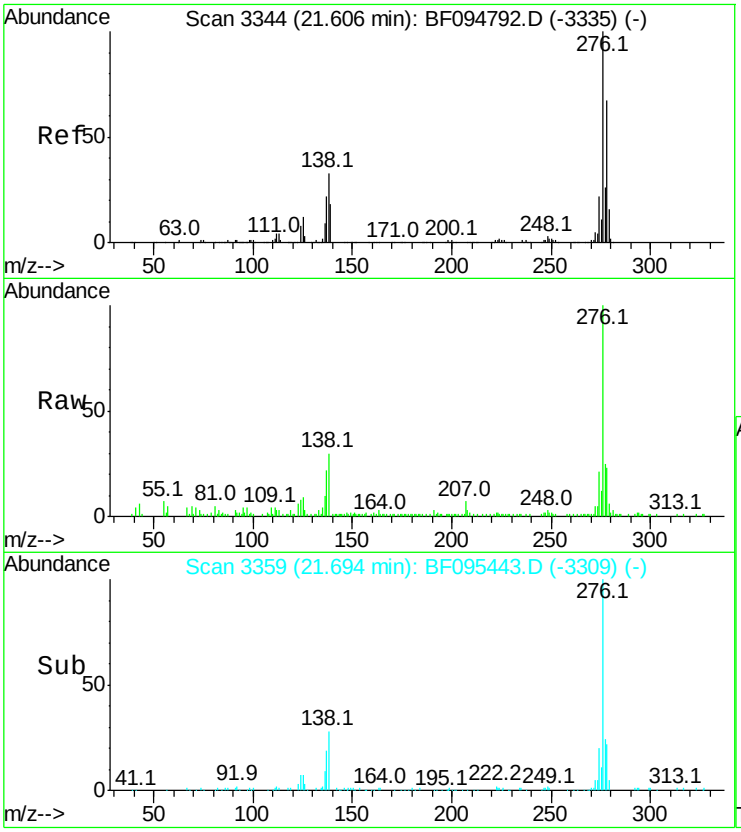


#82
Chrysene
Concen: 29.24 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:228 Resp: 321372

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	20.5	15.8	23.6



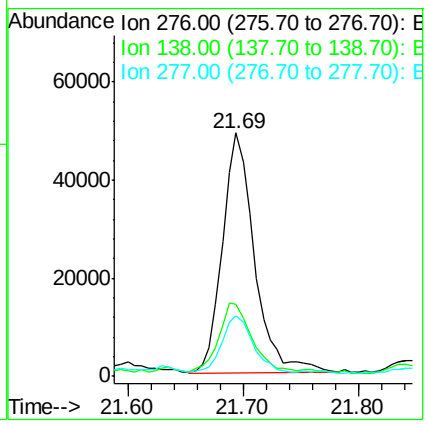


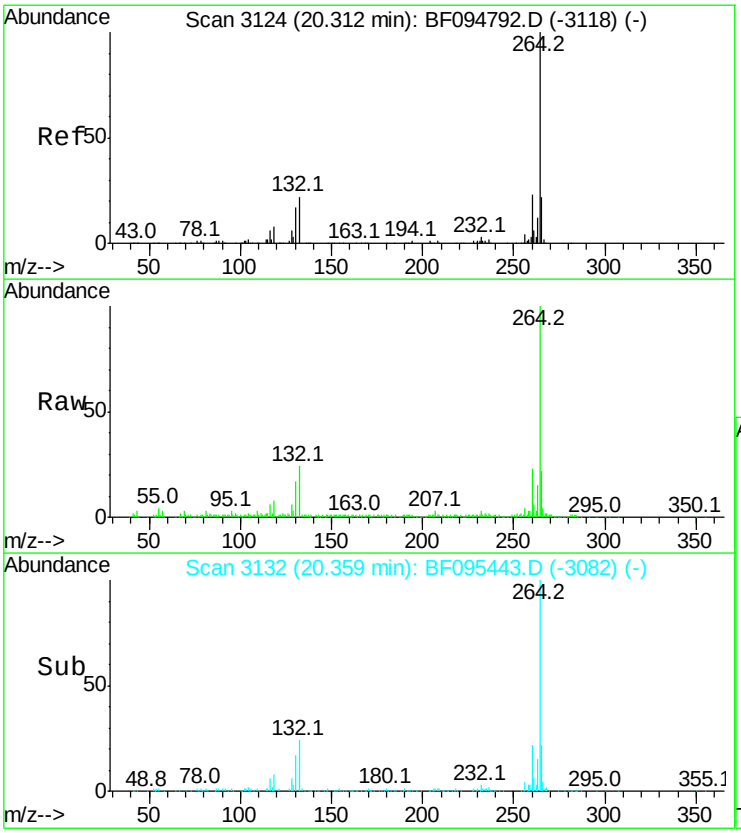
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.53 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 93938

Ion	Ratio	Lower	Upper
276	100		
138	29.4	27.8	41.6
277	24.0	20.2	30.4

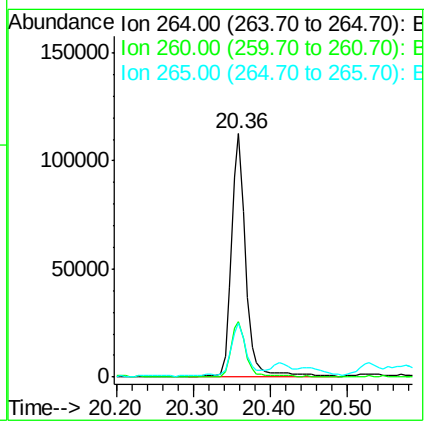


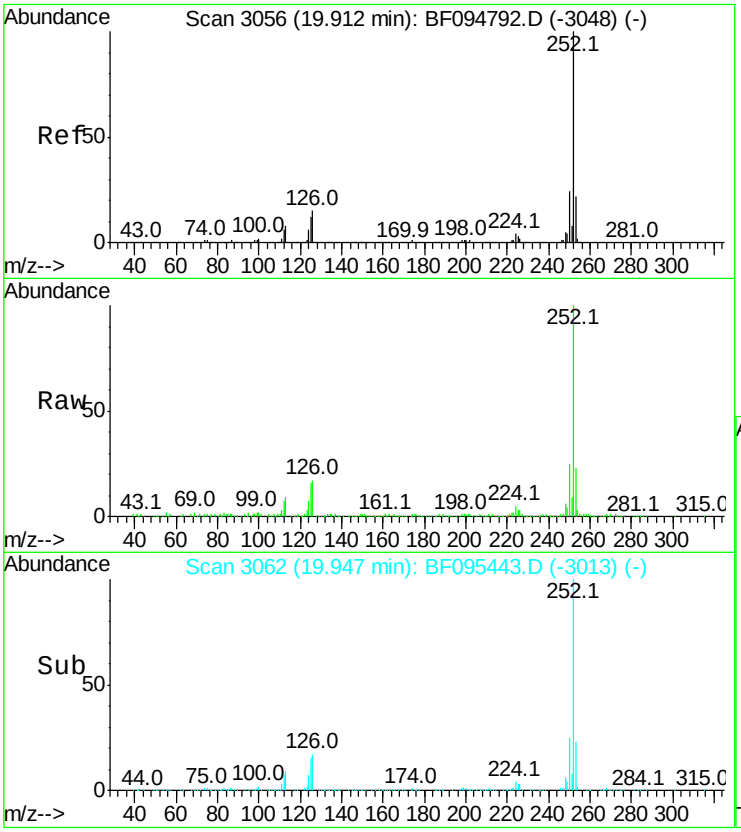


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:264 Resp: 149159

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	22.2	17.2	25.8



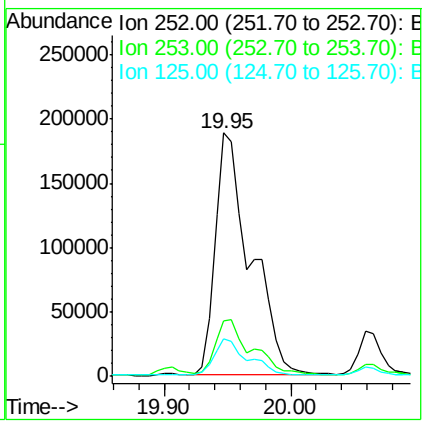


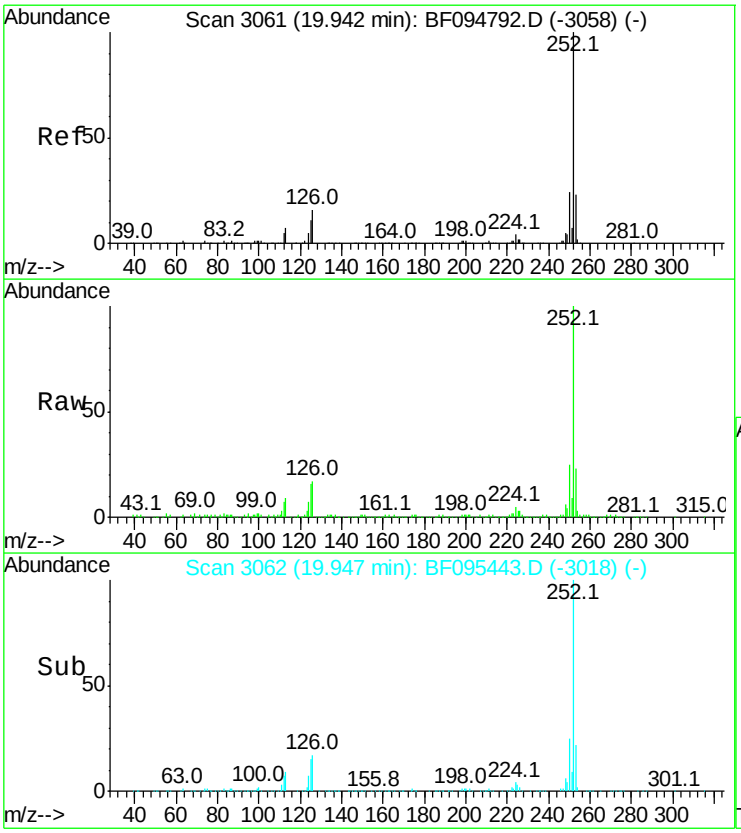
#87
Benzo(b)fluoranthene
Concen: 39.67 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 365611

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.6	9.8	14.8#

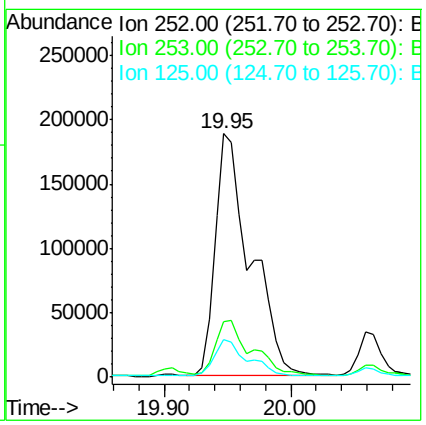


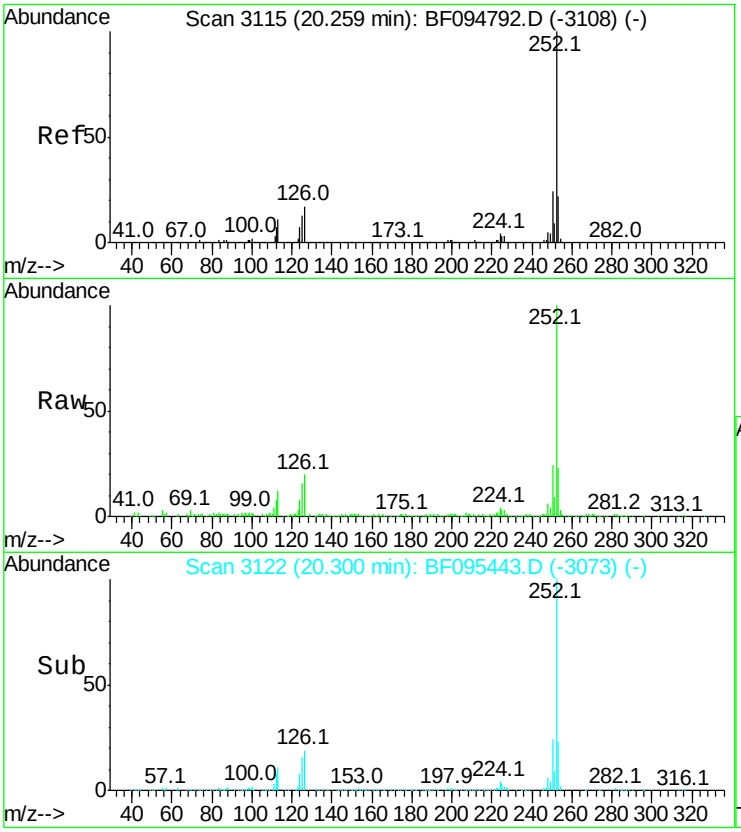


#88
Benzo(k)fluoranthene
Concen: 41.12 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.04 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:252 Resp: 365611

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	15.6	13.1	19.7



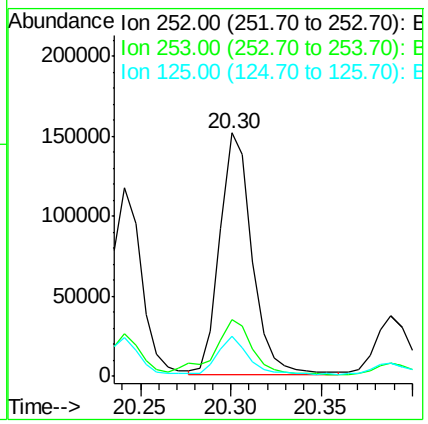


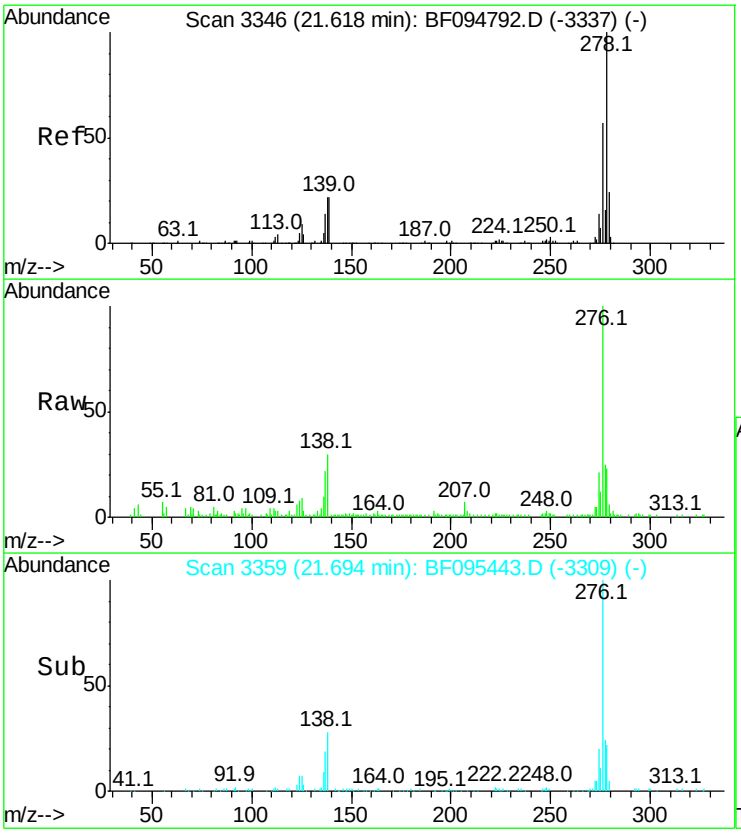
#89
Benzo(a)pyrene
Concen: 22.05 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 187500

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.4	11.0	16.4

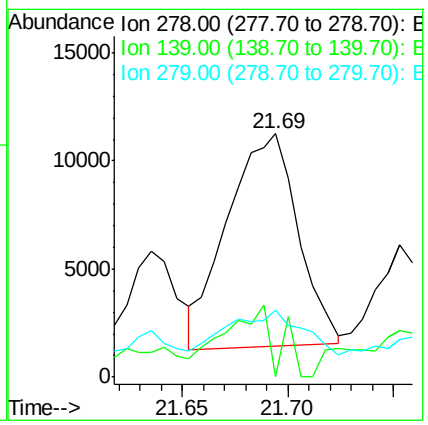


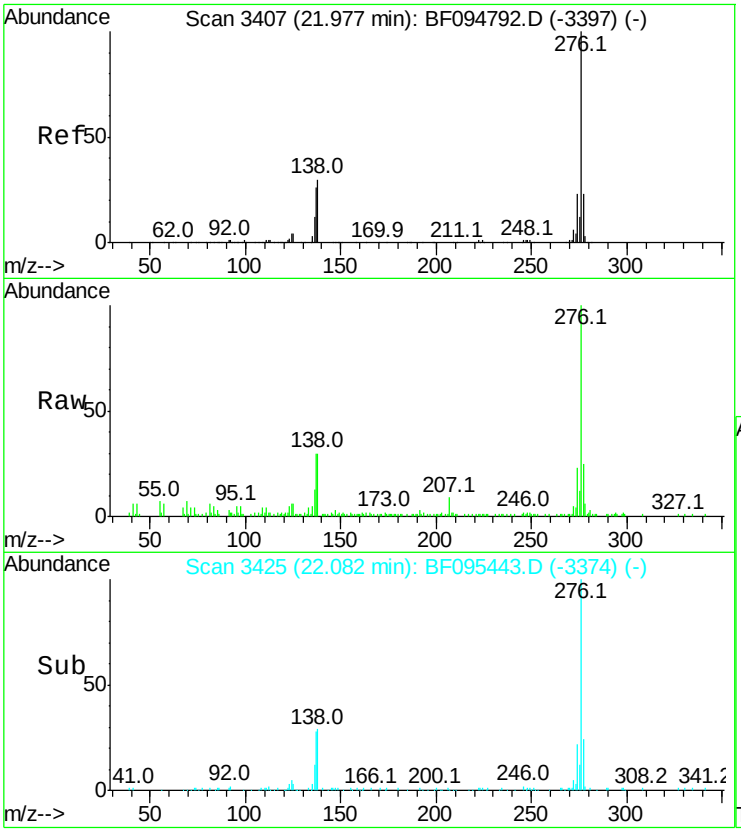


#90
Dibenzo(a,h)anthracene
Concen: 3.24 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Tgt Ion:278 Resp: 22769

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	27.3	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 12.79 ng
RT: 22.08 min Scan# 3425
Delta R.T. -0.00 min
Lab File: BF095443.D
Acq: 26 May 2017 1:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 88172

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	30.2	25.4	38.0