Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
Data File : BE094113.D
Acq On : 25 Sep 2017 21:47
Operator : SJ/JU
Sample : I5340-12MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 26 01:37:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1454	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	7221	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4647	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	18377	0.40	ng		0.00
27) Chrysene-d12	21.40	240	15288	0.40	ng		0.00
34) Perylene-d12	23.91	264	14388	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	872	0.16	ng		0.00
5) Phenol-d6	7.09	99	1278	0.17	ng		0.00
8) Nitrobenzene-d5	9.06	82	1034	0.15	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	1596	0.14	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	321	0.09	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	2132	0.14	ng		0.00
25) Fluoranthene-d10	19.27	212	21944	0.12	ng		0.00
29) Terphenyl-d14	19.85	244	3445	0.12	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	462	0.163	ng	#	21
3) n-Nitrosodimethylamine	3.73	42	574	0.159	ng	#	77
6) bis(2-Chloroethyl)ether	7.33	93	934	0.157	ng		98
9) Naphthalene	10.74	128	12906	0.158	ng		99
10) Hexachlorobutadiene	11.03	225	393	0.129	ng		99
12) 2-Methylnaphthalene	12.35	142	2199	0.167	ng		96
16) Acenaphthylene	14.23	152	5536	0.238	ng		100
17) Acenaphthene	14.57	154	2532	0.174	ng		97
18) Fluorene	15.56	166	3681	0.186	ng		97
20) 4-Bromophenyl-phenylether	16.42	248	1136	0.151	ng	#	89
21) Hexachlorobenzene	16.55	284	710	0.149	ng	#	85
22) Pentachlorophenol	16.91	266	857	0.197	ng	#	74
23) Phenanthrene	17.27	178	28626	0.609	ng		98
24) Anthracene	17.37	178	10261	0.208	ng		97
26) Fluoranthene	19.30	202	50251	0.954	ng		100
28) Pyrene	19.65	202	51509	1.063	ng		96
30) Benzo(a)anthracene	21.38	228	27370	0.532	ng		97
31) Chrysene	21.44	228	30293	0.610	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	152895	1.021	ng		100
33) Indeno(1,2,3-cd)pyrene	26.55	276	18617	0.350	ng		97
35) Benzo(b)fluoranthene	23.14	252	33059	0.637	ng	#	95
36) Benzo(k)fluoranthene	23.14	252	33059	0.665	ng		96
37) Benzo(a)pyrene	23.79	252	25034	0.534	ng		97
38) Dibenzo(a,h)anthracene	26.56	278	7874	0.177	ng	#	85
39) Benzo(g,h,i)perylene	27.37	276	17960	0.408	ng		98

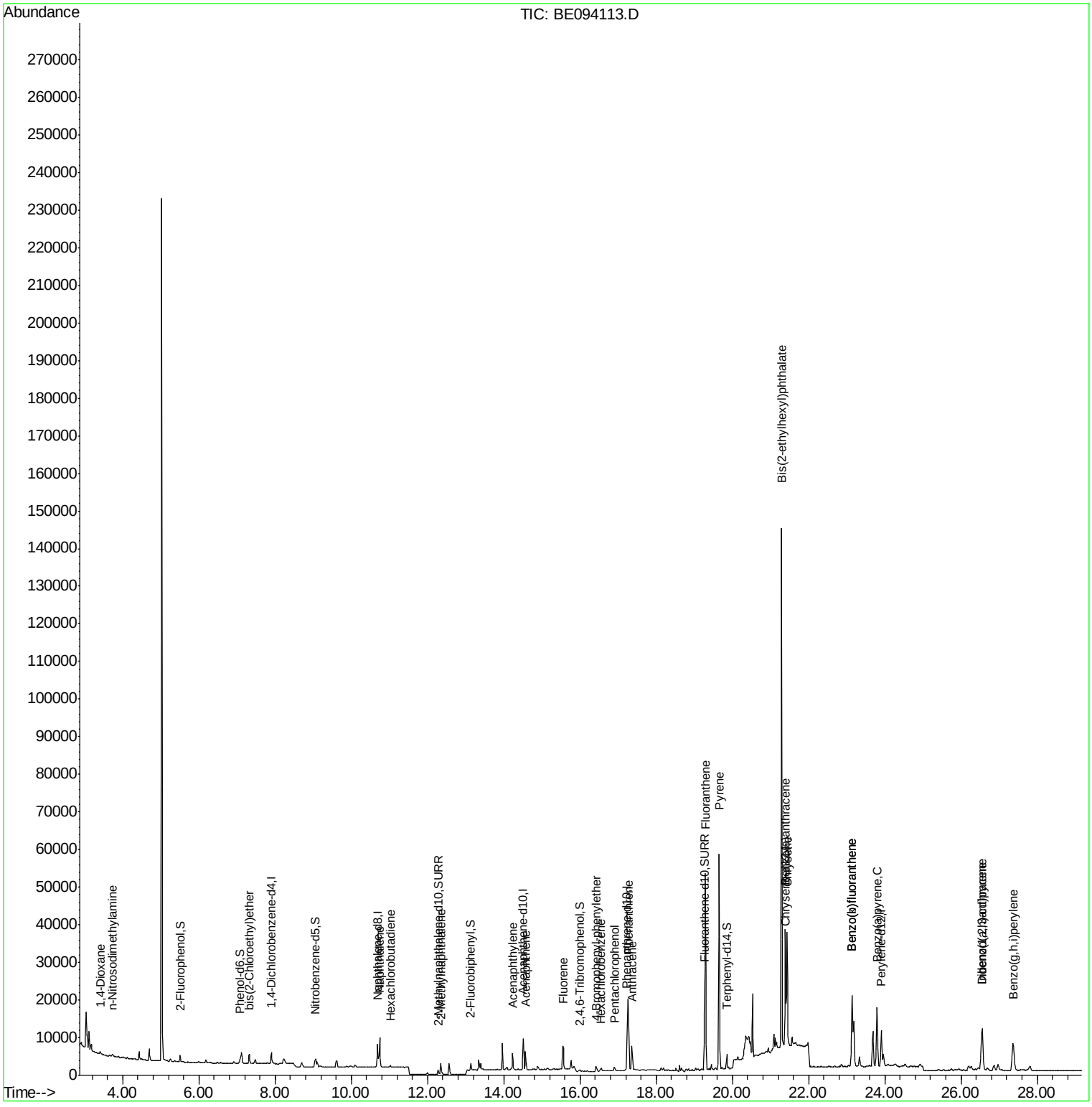
(#) = qualifier out of range (m) = manual integration (+) = signals summed

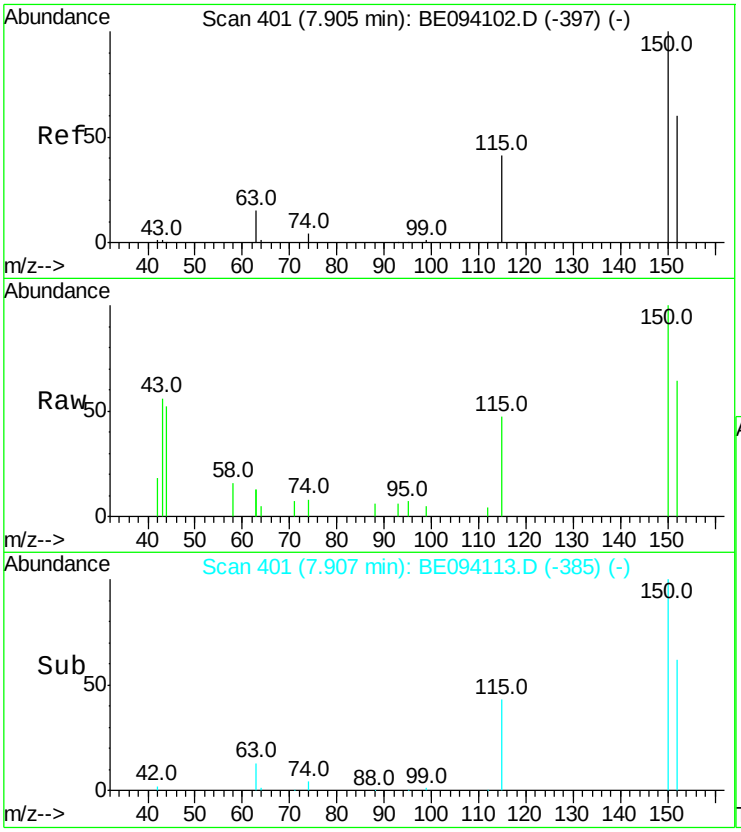
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
Data File : BE094113.D
Acq On : 25 Sep 2017 21:47
Operator : SJ/JU
Sample : I5340-12MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 26 01:37:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration



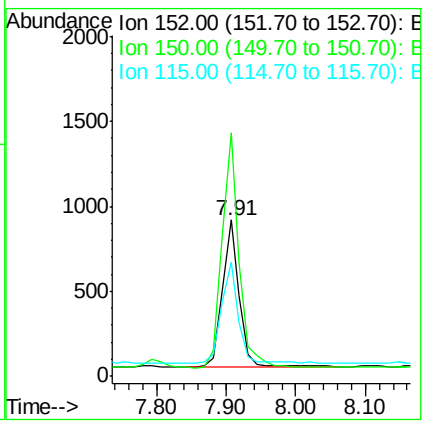


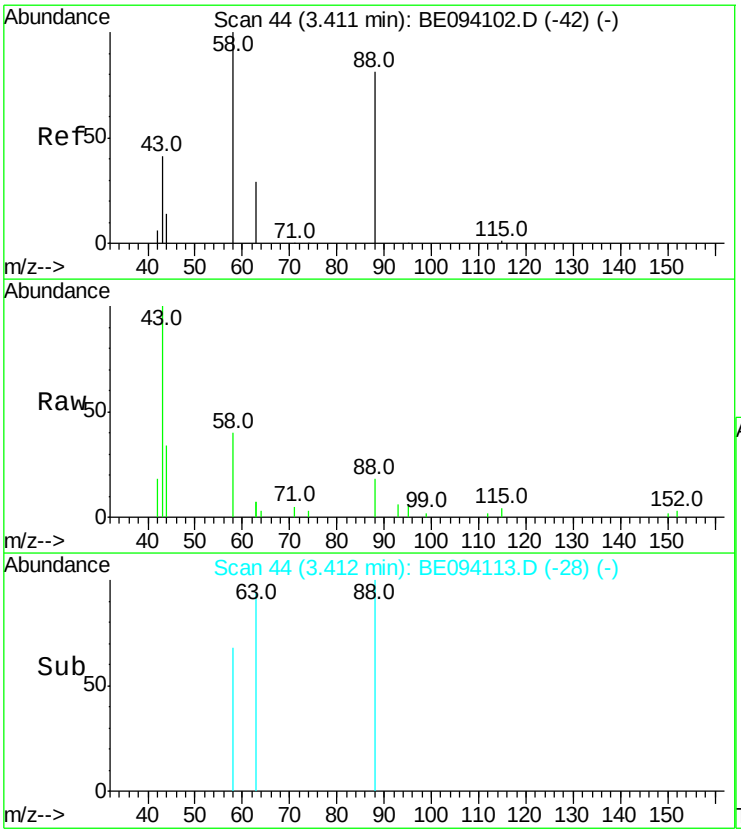
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1454

Ion	Ratio	Lower	Upper
152	100		
150	156.1	117.2	175.8
115	73.0	57.0	85.6

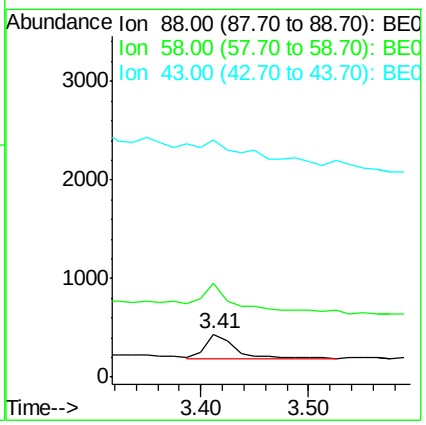


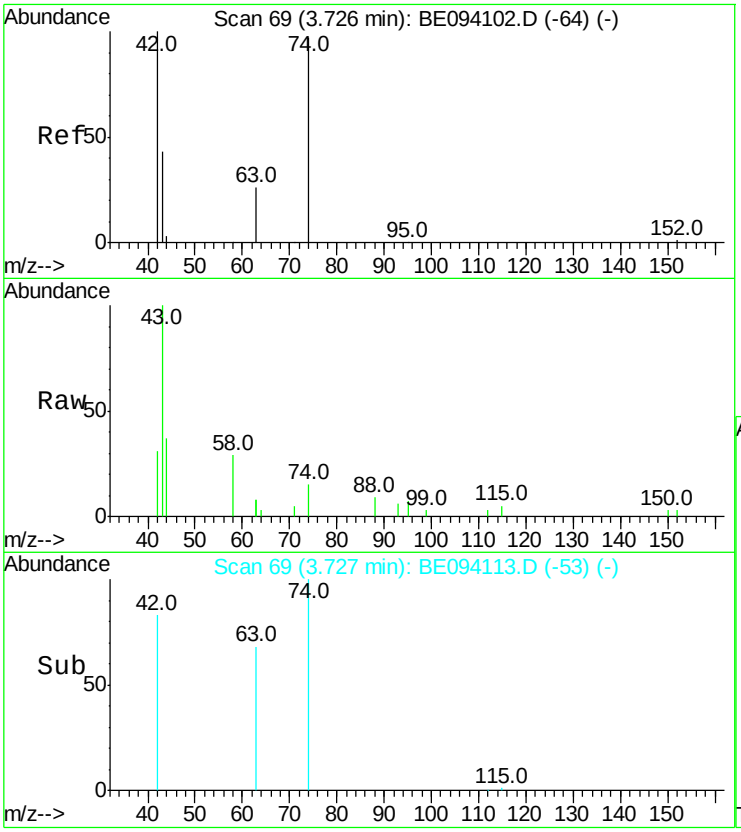


#2
1,4-Dioxane
Concen: 0.163 ng
RT: 3.41 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion: 88 Resp: 462

Ion	Ratio	Lower	Upper
88	100		
58	150.6	63.2	94.8#
43	0.0	41.2	61.8#



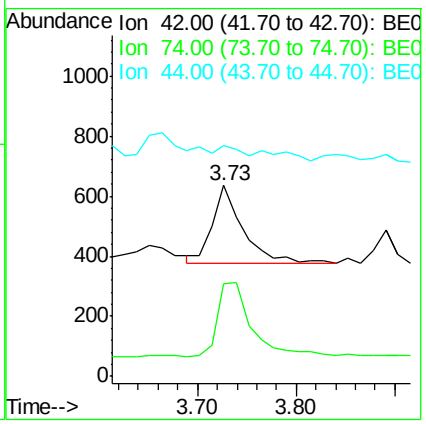


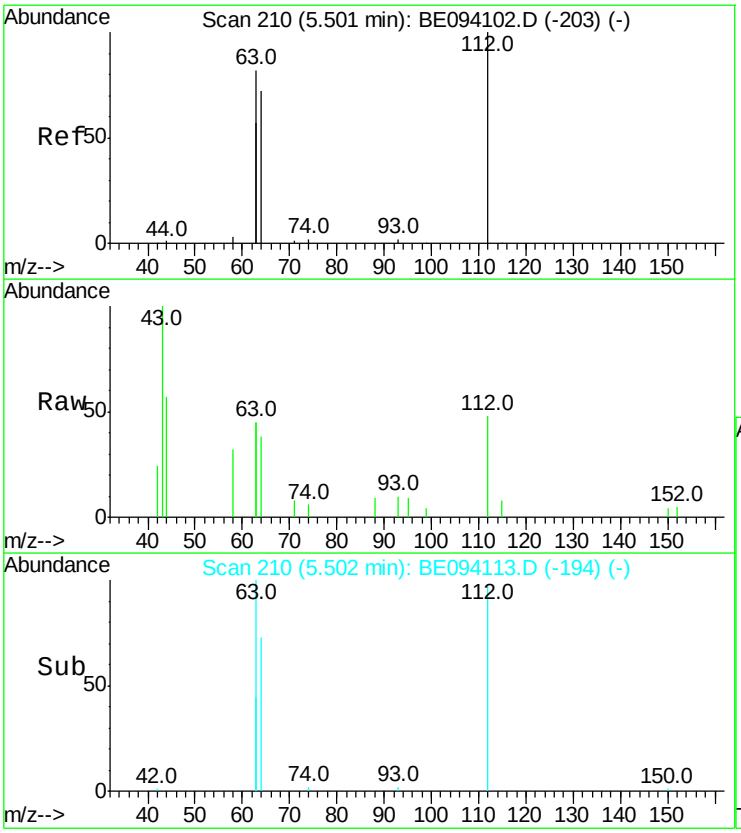
#3
n-Nitrosodimethylamine
Concen: 0.159 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 574

Ion	Ratio	Lower	Upper
42	100		
74	103.0	100.3	150.5
44	0.0	17.0	25.4#

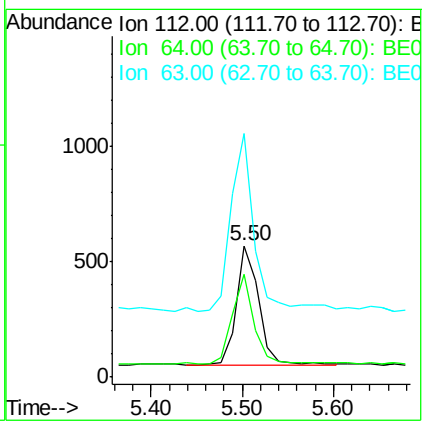


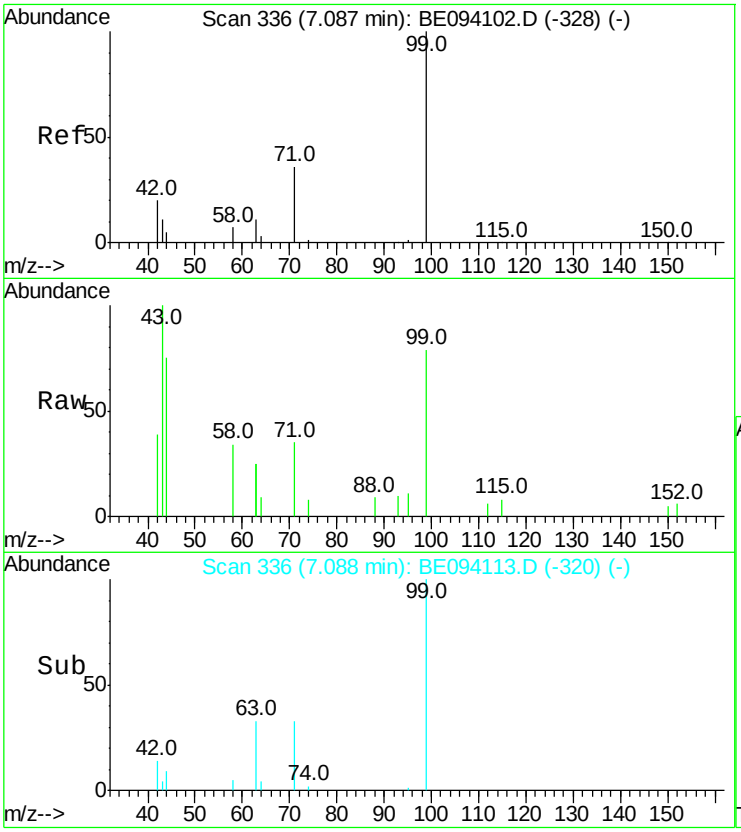


#4
2-Fluorophenol
Concen: 0.158 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:112 Resp: 872

Ion	Ratio	Lower	Upper
112	100		
64	72.4	60.1	90.1
63	158.0	116.8	175.2



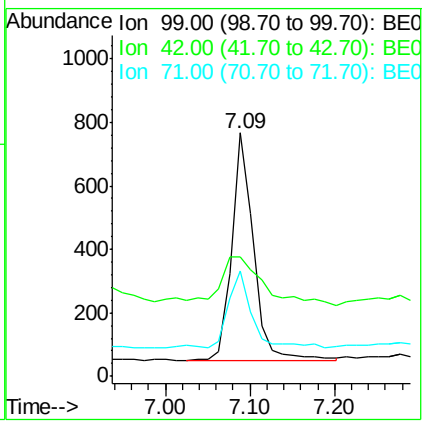


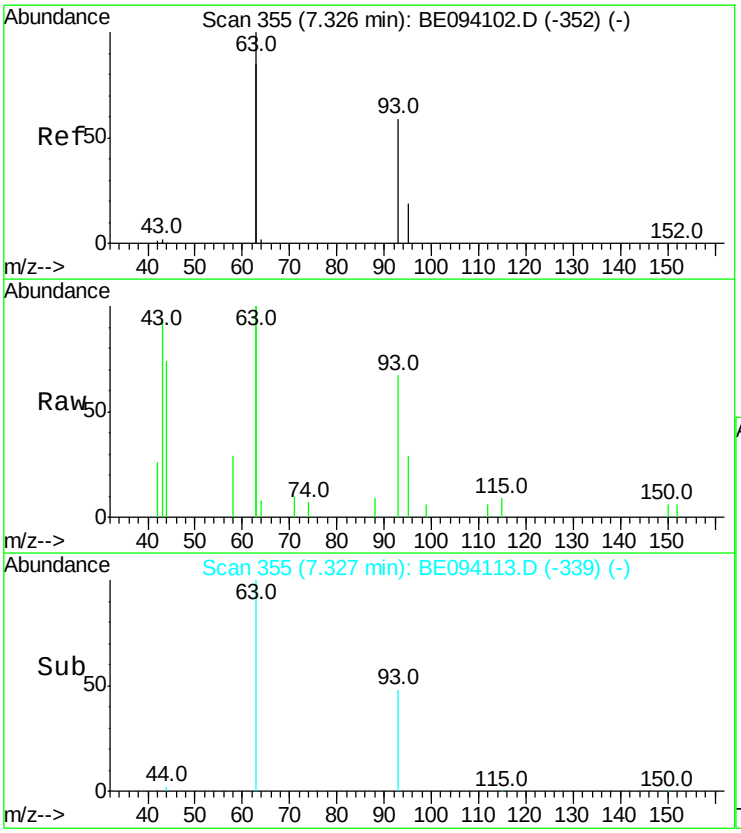
#5
Phenol-d6
Concen: 0.167 ng
RT: 7.09 min Scan# 336
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1278

Ion	Ratio	Lower	Upper
99	100		
42	42.0	20.2	30.2#
71	37.6	28.4	42.6

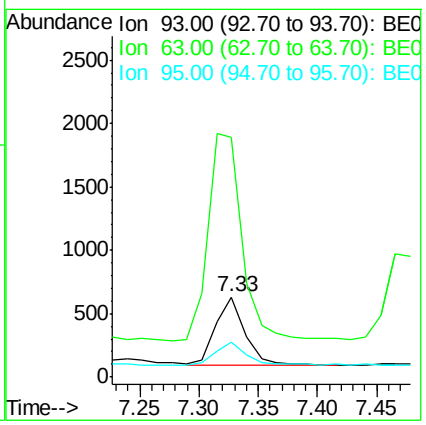


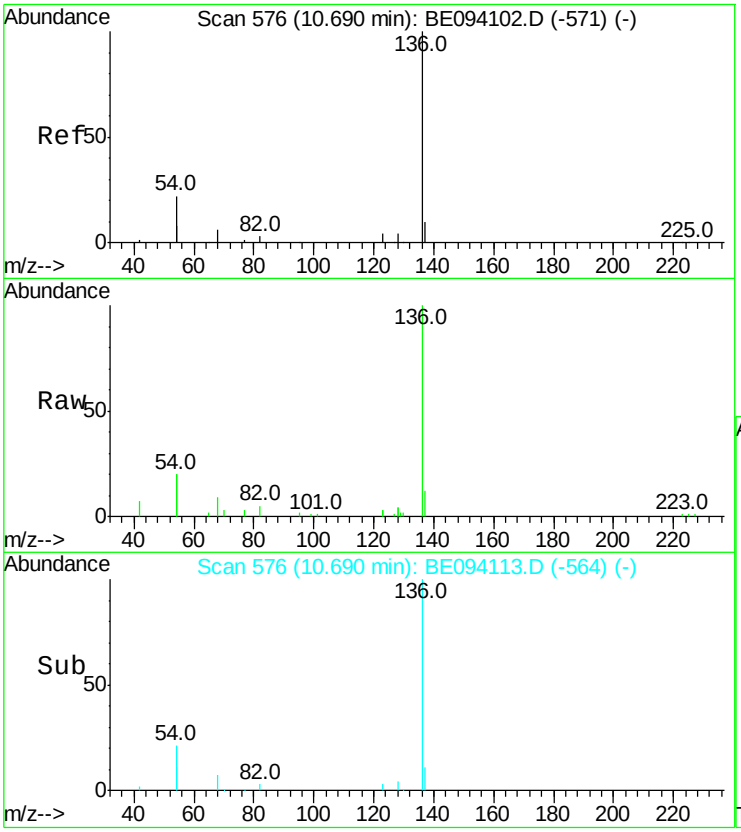


#6
bis(2-Chloroethyl)ether
Concen: 0.157 ng
RT: 7.33 min Scan# 355
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion: 93 Resp: 934

Ion	Ratio	Lower	Upper
93	100		
63	348.1	275.3	412.9
95	31.2	25.2	37.8



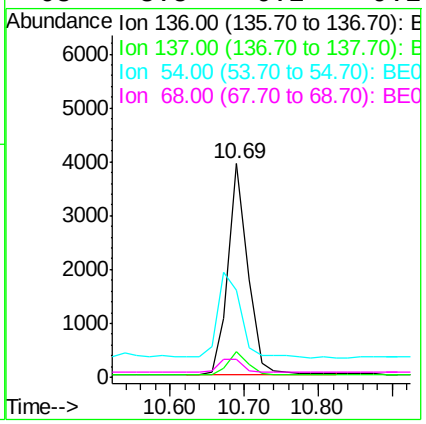


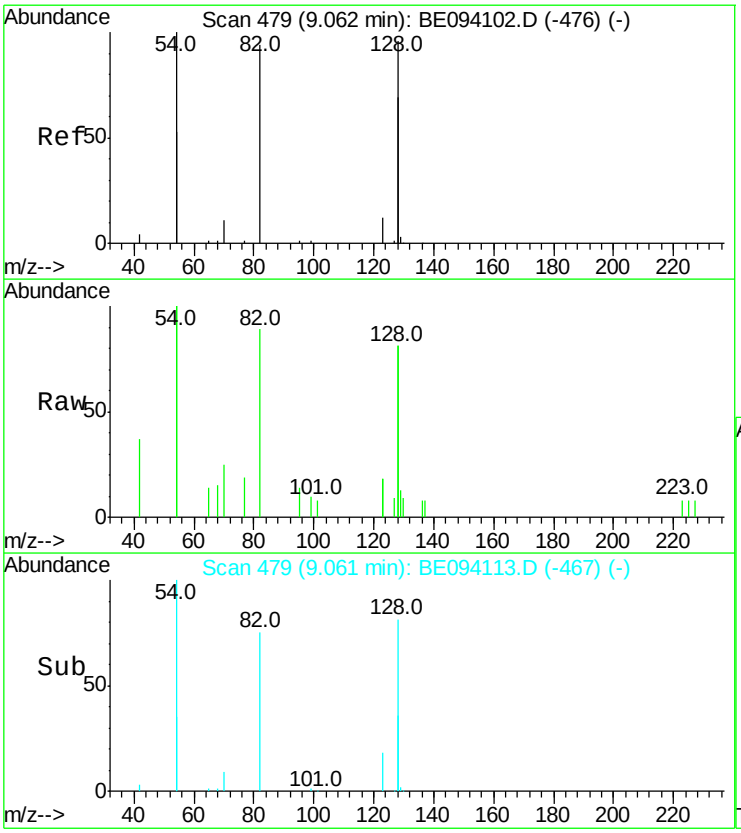
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 7221

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	40.7	29.1	43.7
68	8.5	6.2	9.2

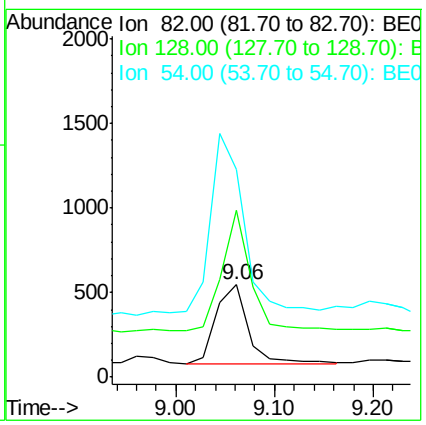


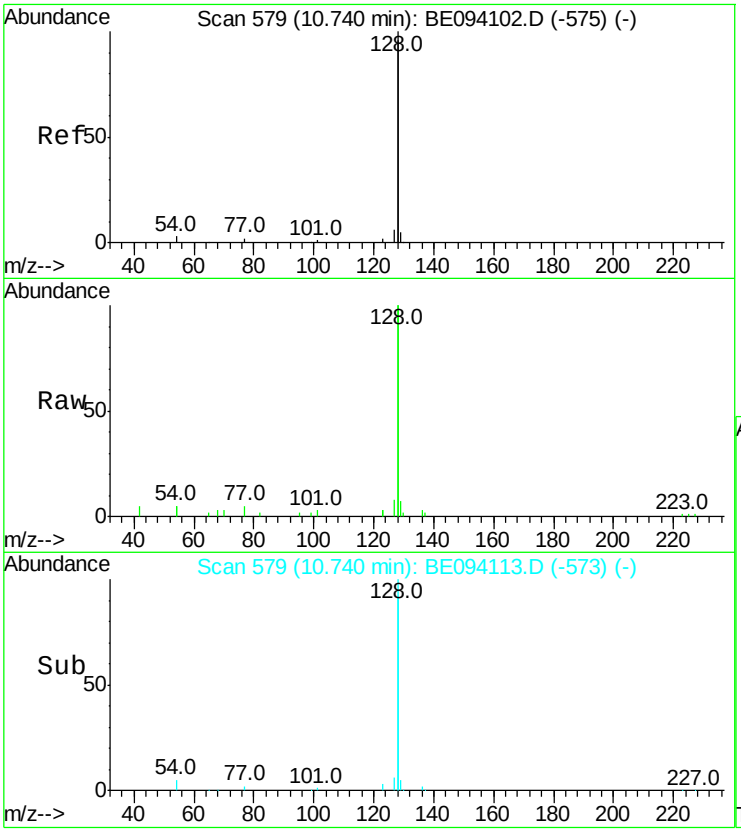


#8
Nitrobenzene-d5
Concen: 0.148 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion: 82 Resp: 1034

Ion	Ratio	Lower	Upper
82	100		
128	181.3	150.0	225.0
54	225.0	154.2	231.4



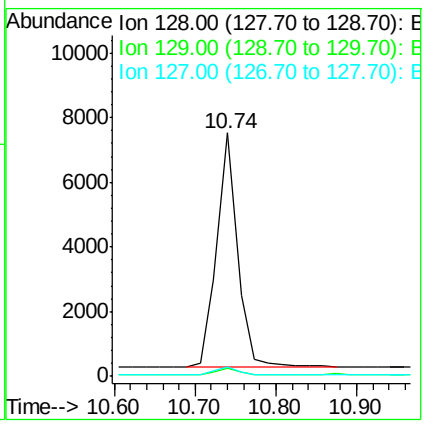


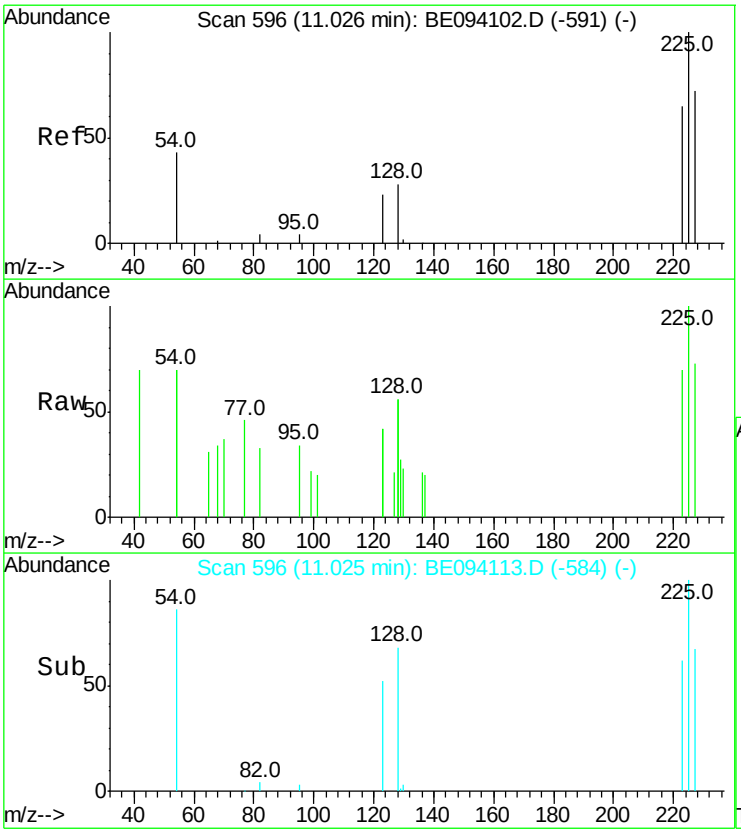
#9
Naphthalene
Concen: 0.158 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 12906

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	3.8	2.8	4.2

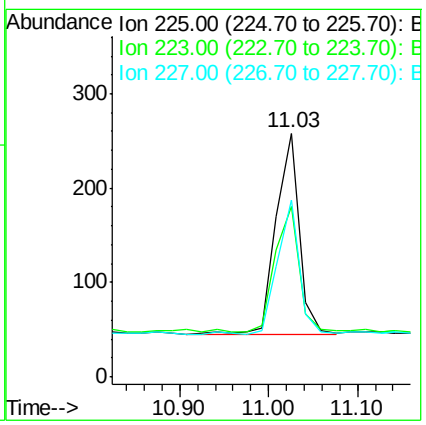


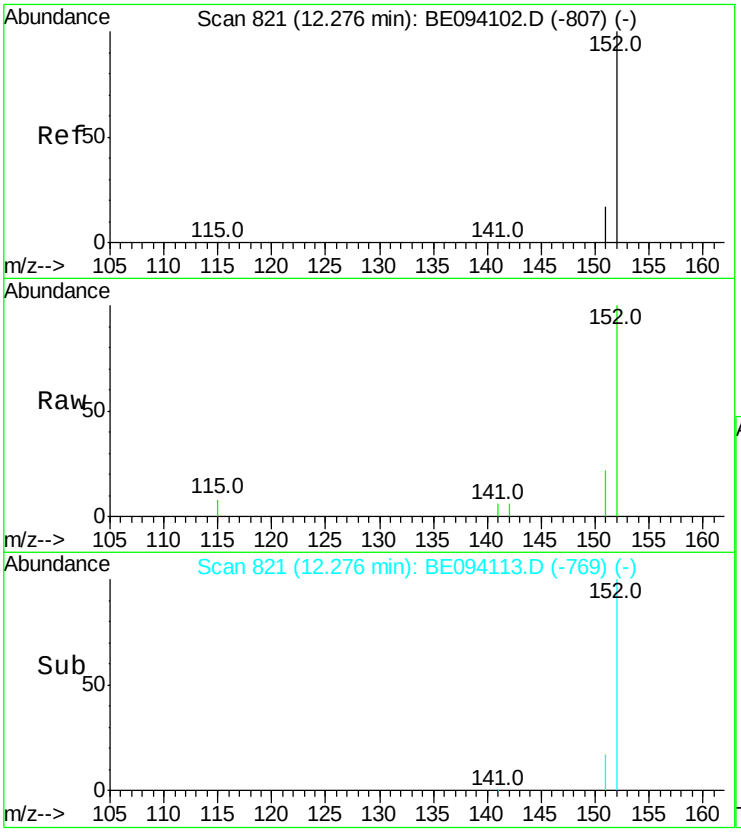


#10
Hexachlorobutadiene
Concen: 0.129 ng
RT: 11.03 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:225 Resp: 393

Ion	Ratio	Lower	Upper
225	100		
223	65.9	53.0	79.6
227	63.4	51.4	77.2



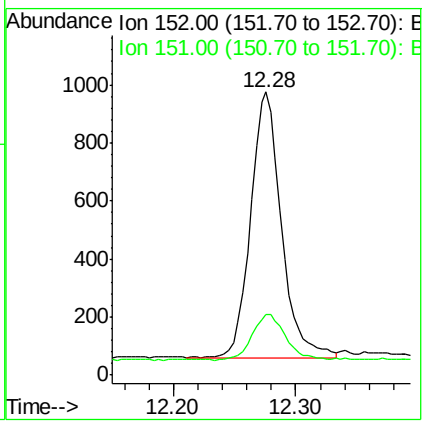


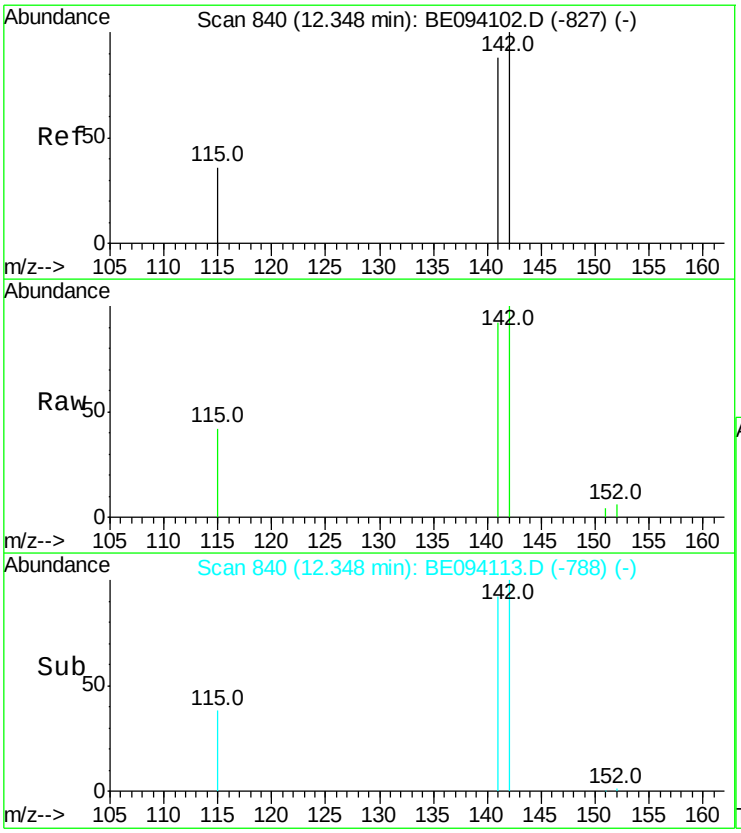
#11
2-Methylnaphthalene-d10
Concen: 0.143 ng
RT: 12.28 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1596

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

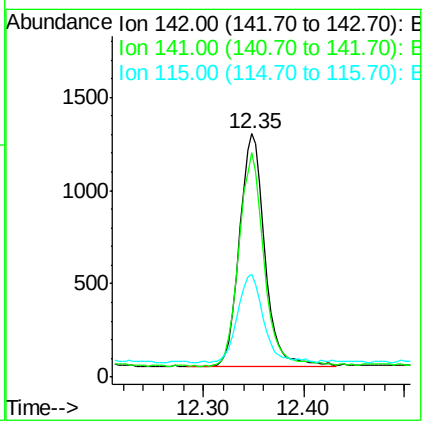


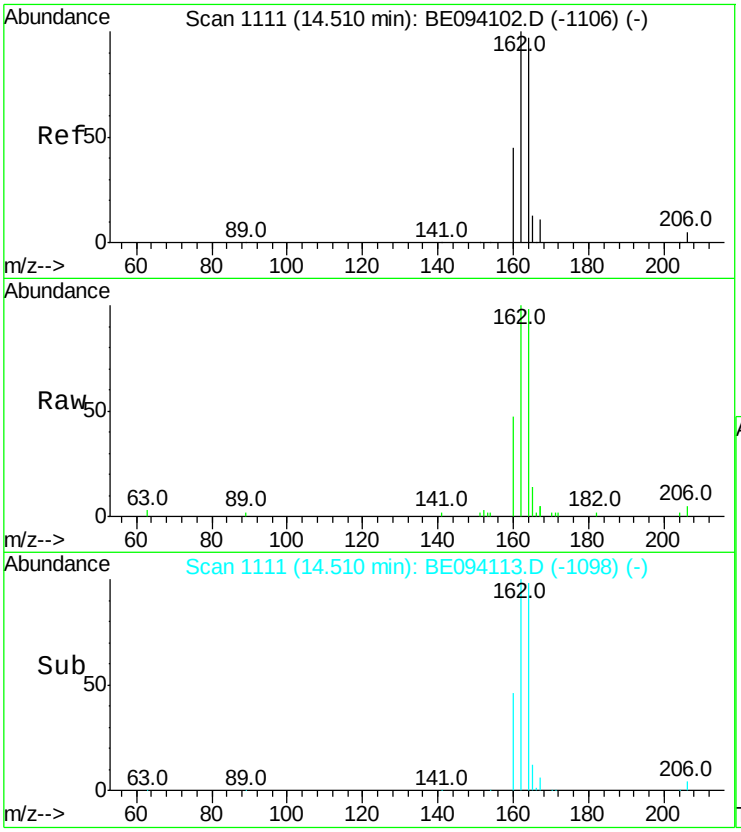


#12
2-Methylnaphthalene
Concen: 0.167 ng
RT: 12.35 min Scan# 840
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:142 Resp: 2199

Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.4	105.6
115	42.3	31.7	47.5



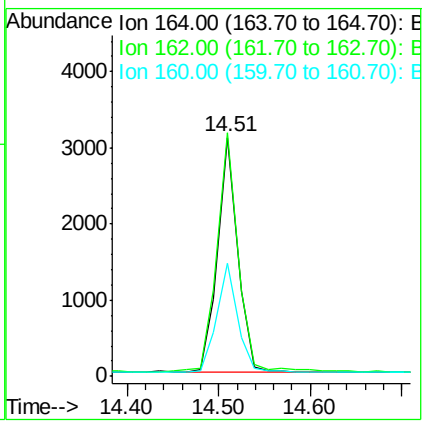


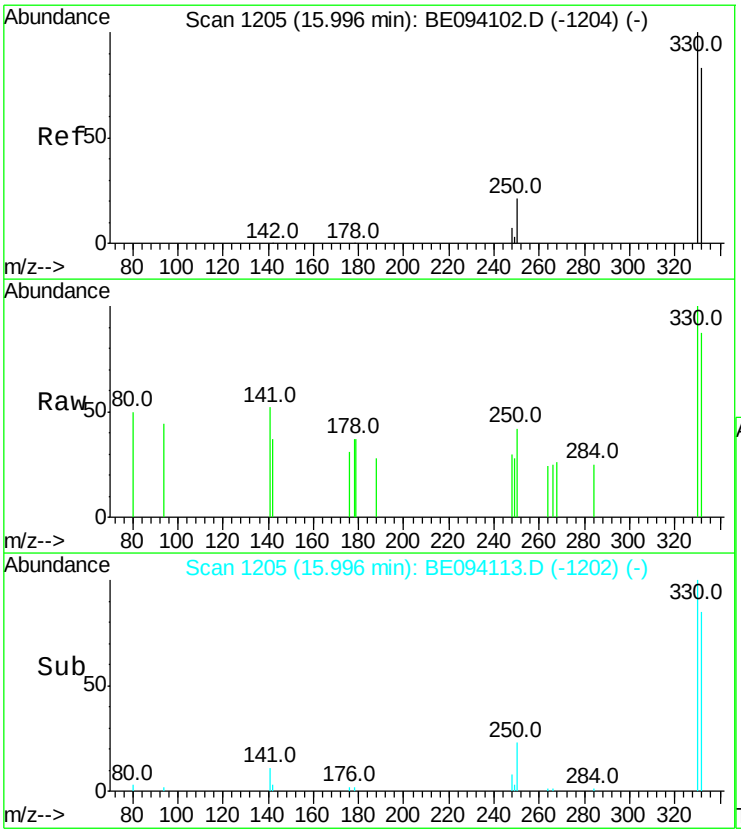
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 4647

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.1	124.7
160	47.6	37.1	55.7

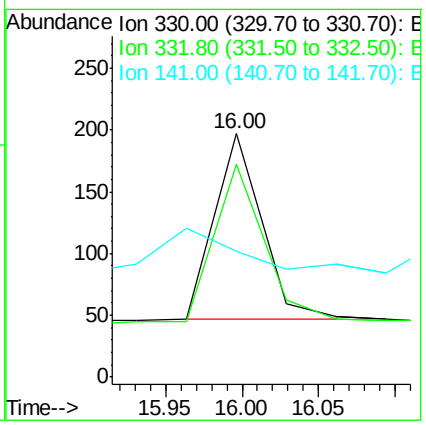


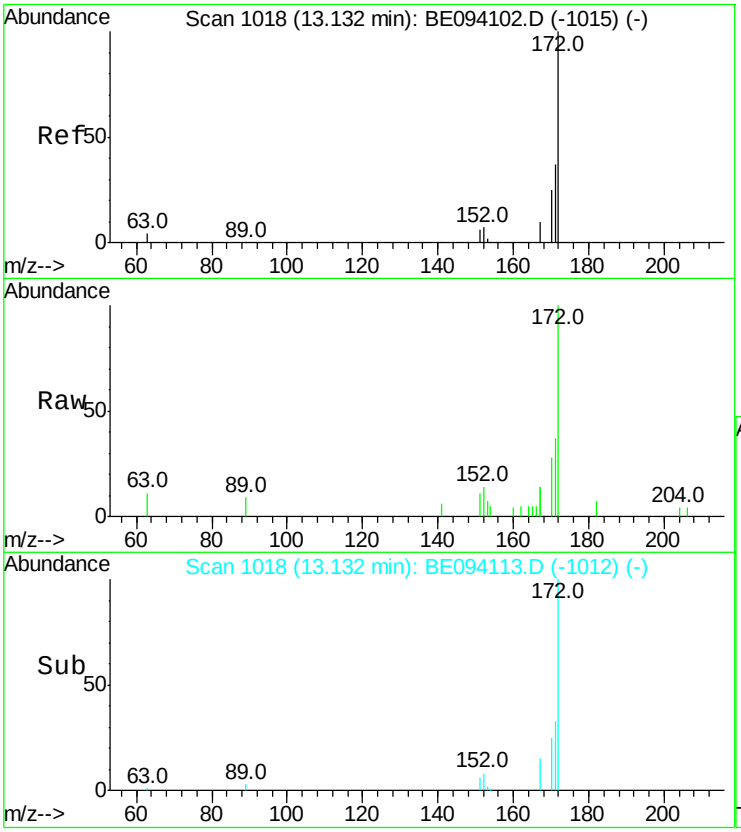


#14
2,4,6-Tribromophenol
Concen: 0.091 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:330 Resp: 321

Ion	Ratio	Lower	Upper
330	100		
332	89.1	152.7	229.1#
141	0.0	33.7	50.5#



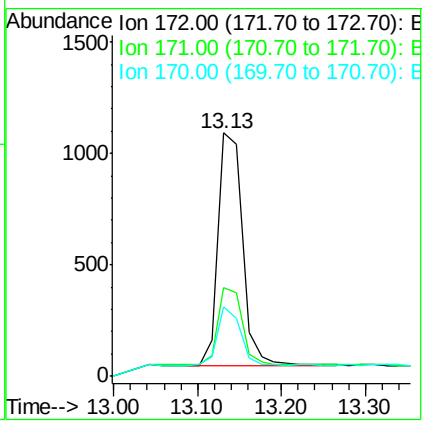


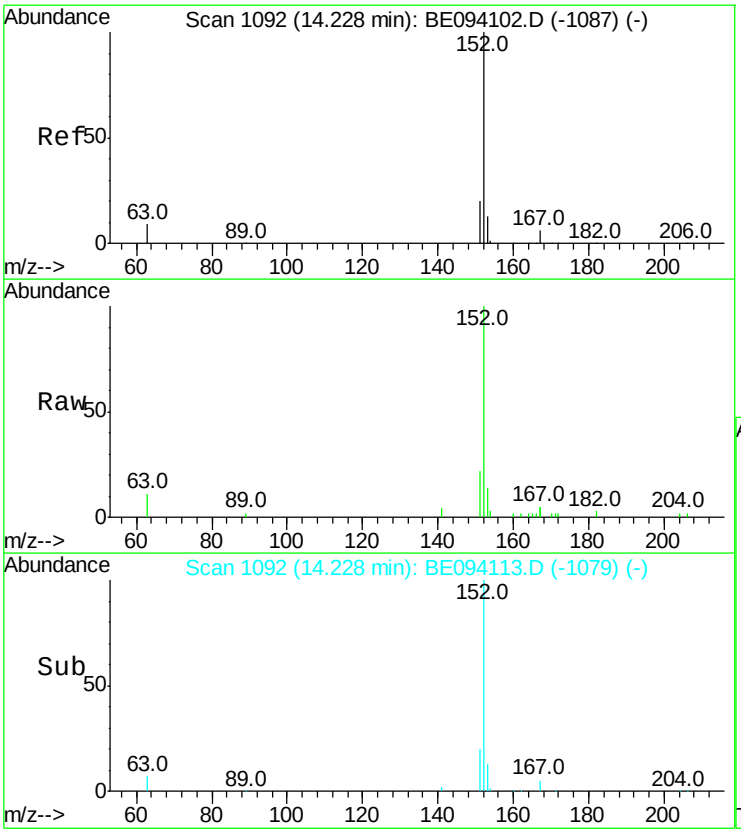
#15
2-Fluorobiphenyl
Concen: 0.139 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2132

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	28.5	21.8	32.8

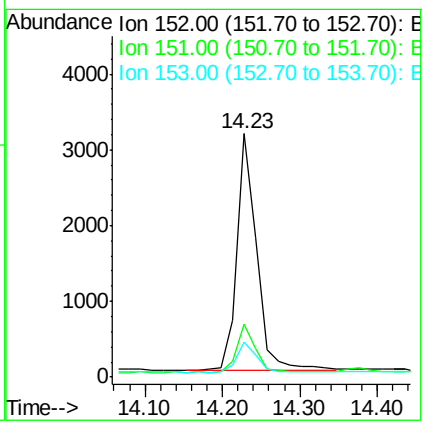


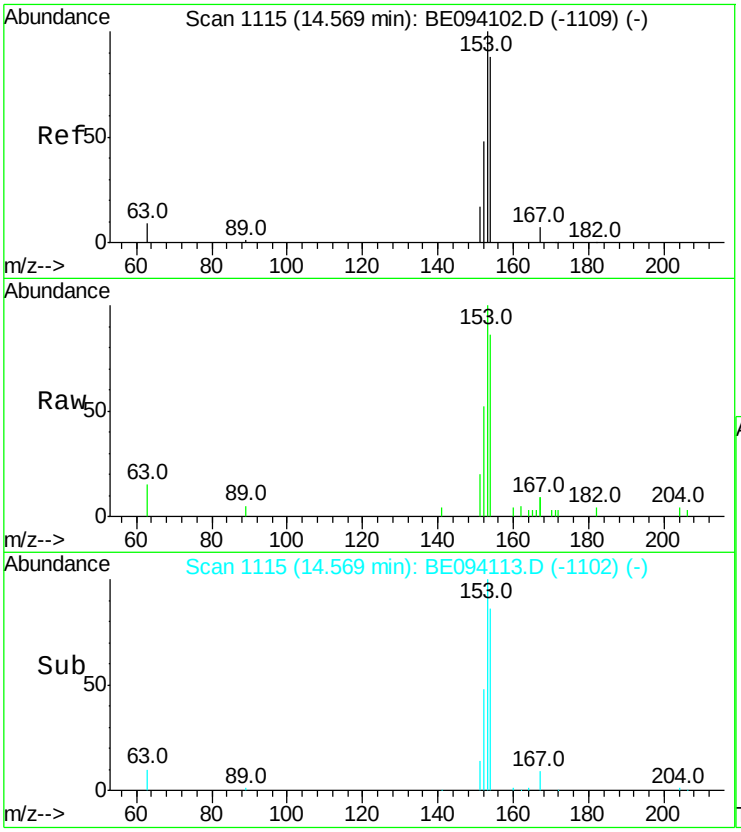


#16
Acenaphthylene
Concen: 0.238 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:152 Resp: 5536

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.4	10.5	15.7



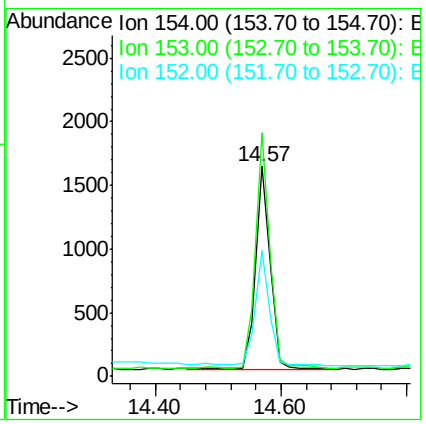


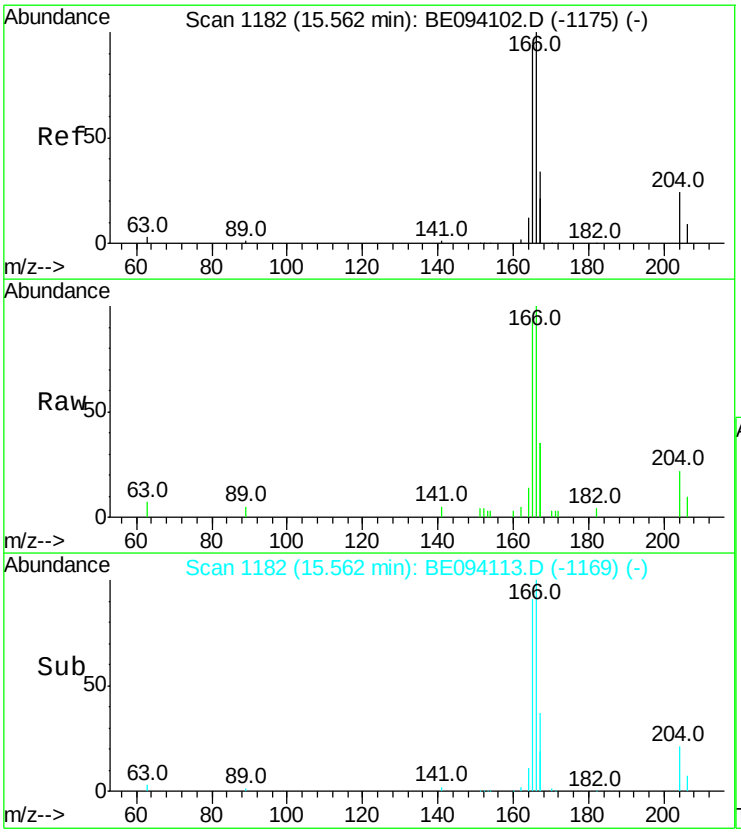
#17
Acenaphthene
Concen: 0.174 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2532

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.2	133.8
152	55.0	42.0	63.0

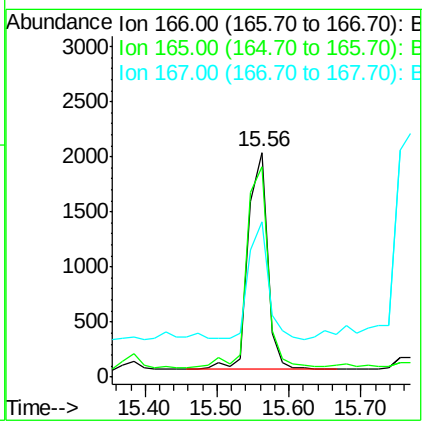


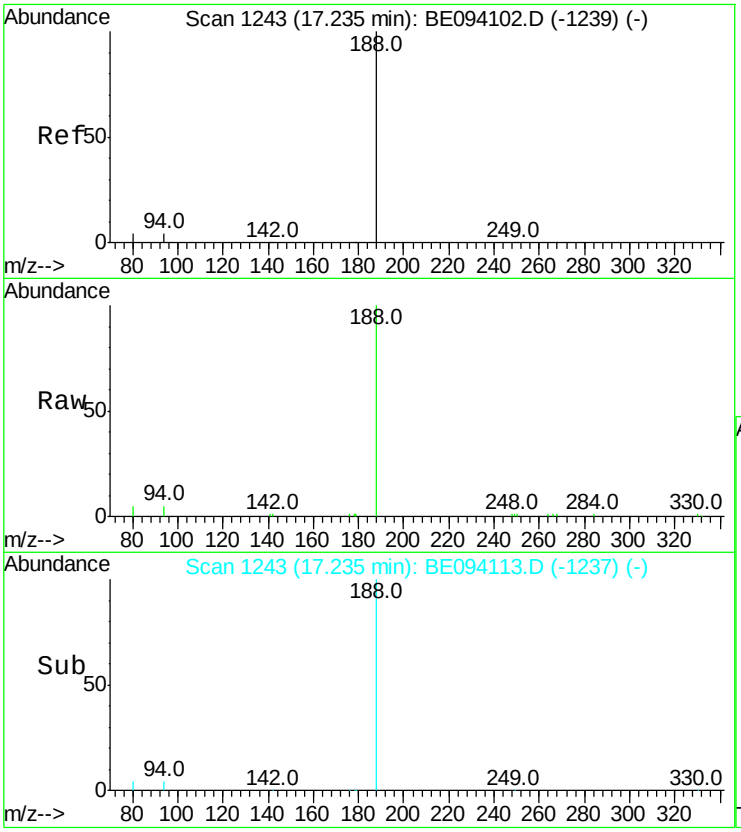


#18
Fluorene
Concen: 0.186 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:166 Resp: 3681

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.8	116.6
167	54.7	42.4	63.6



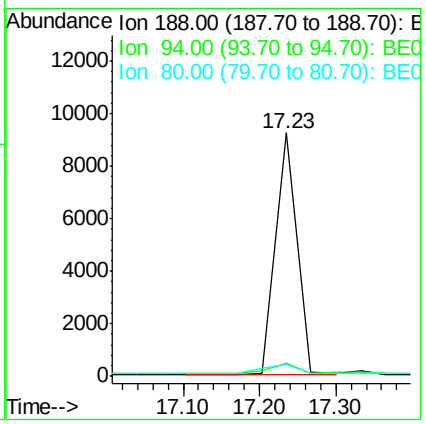


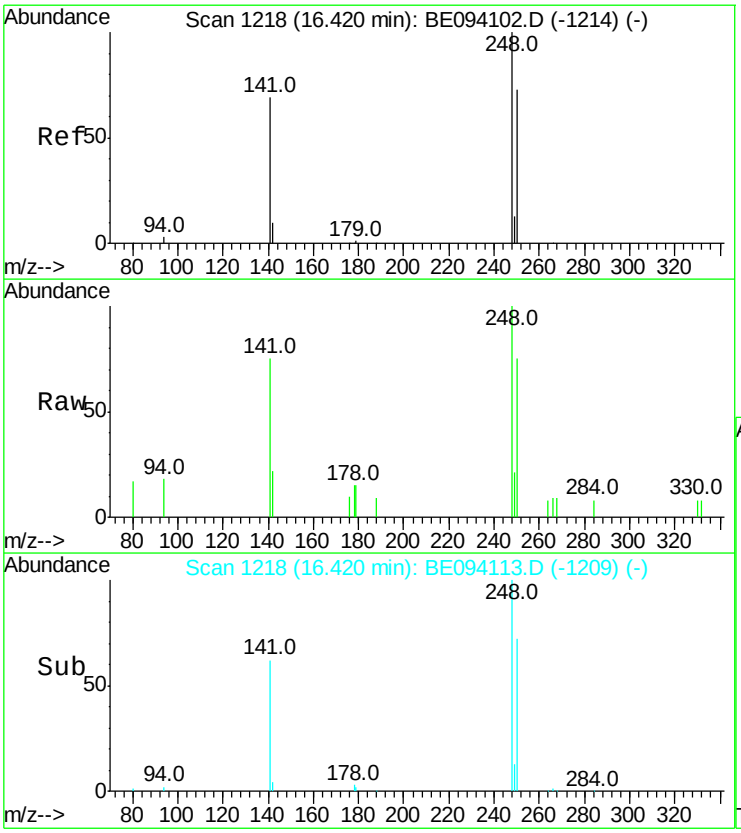
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 18377

Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.9	5.9
80	4.9	3.6	5.4

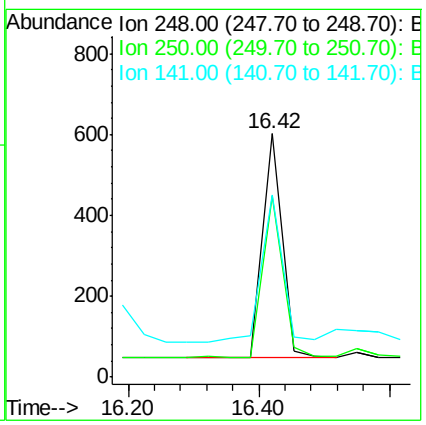


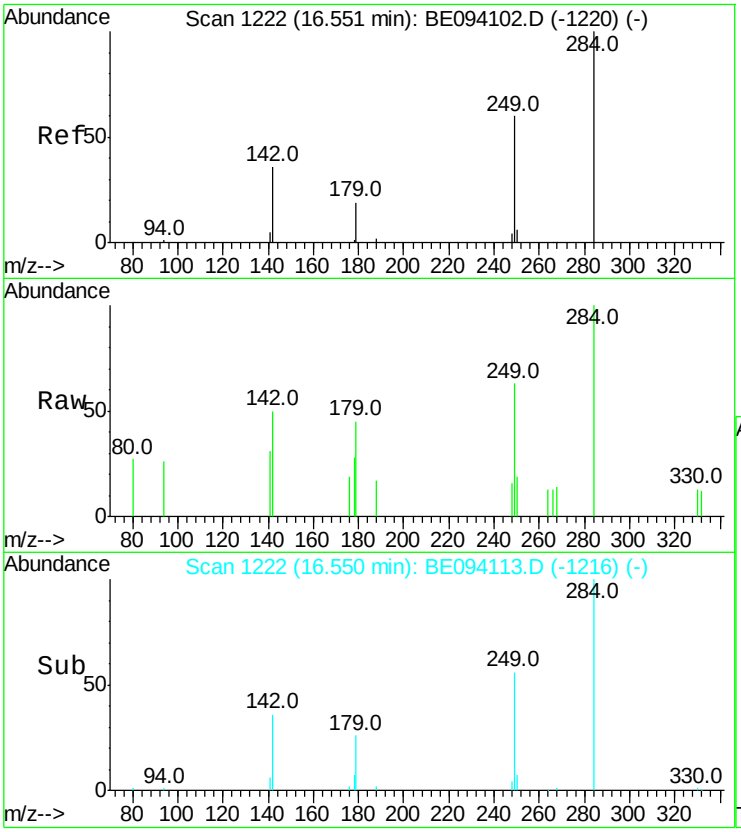


#20
4-Bromophenyl-phenylether
Concen: 0.151 ng
RT: 16.42 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:248 Resp: 1136

Ion	Ratio	Lower	Upper
248	100		
250	74.6	62.7	94.1
141	74.8	48.2	72.2#



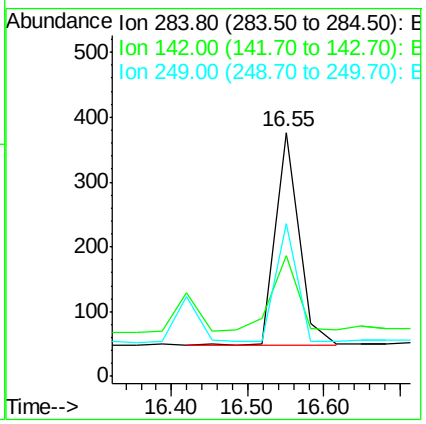


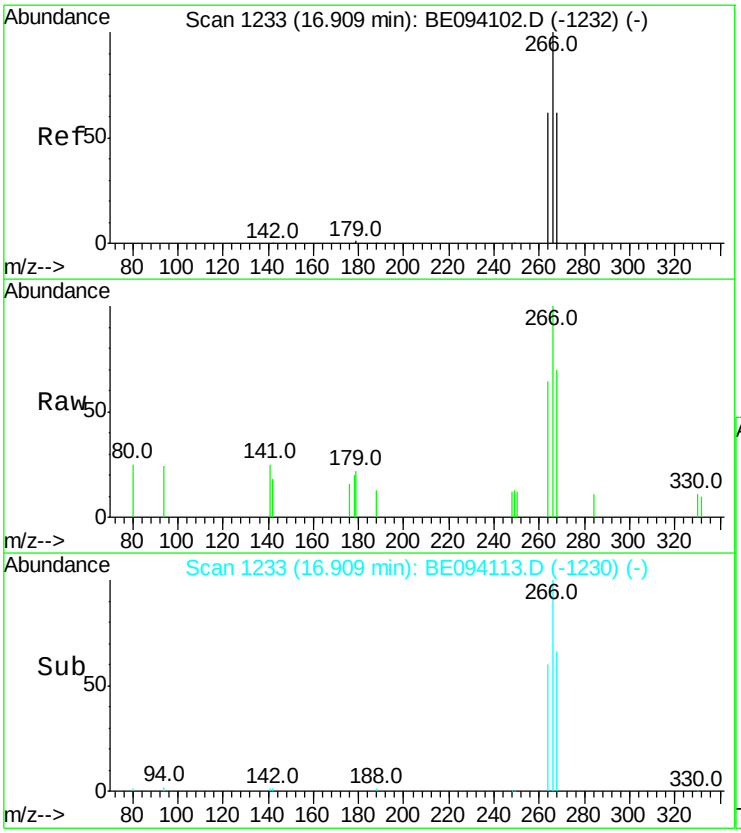
#21
Hexachlorobenzene
Concen: 0.149 ng
RT: 16.55 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 710

Ion	Ratio	Lower	Upper
284	100		
142	39.7	22.1	33.1#
249	49.3	34.8	52.2

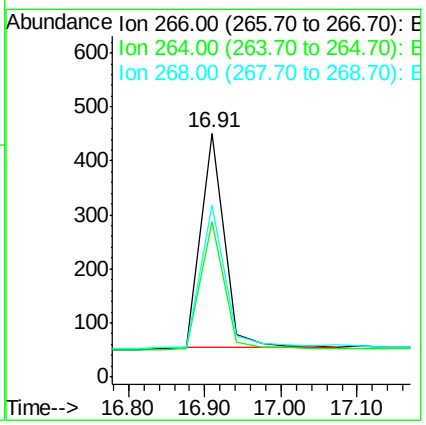


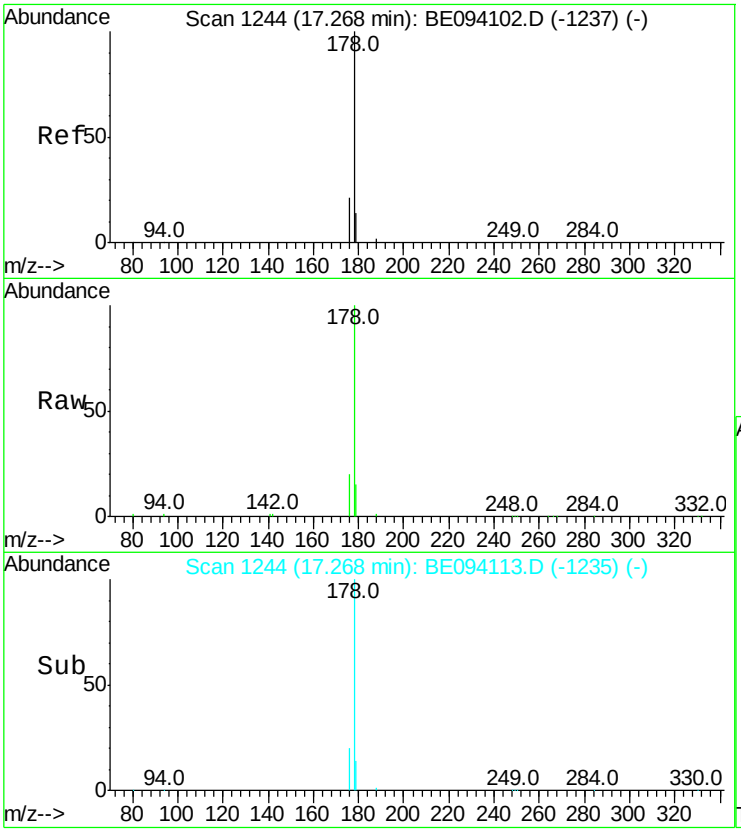


#22
Pentachlorophenol
Concen: 0.197 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:266 Resp: 857

Ion	Ratio	Lower	Upper
266	100		
264	63.9	72.5	108.7#
268	70.3	73.8	110.6#



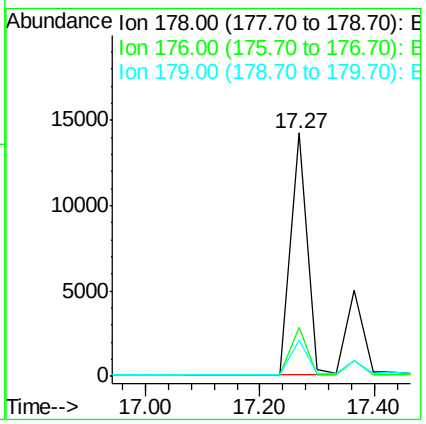


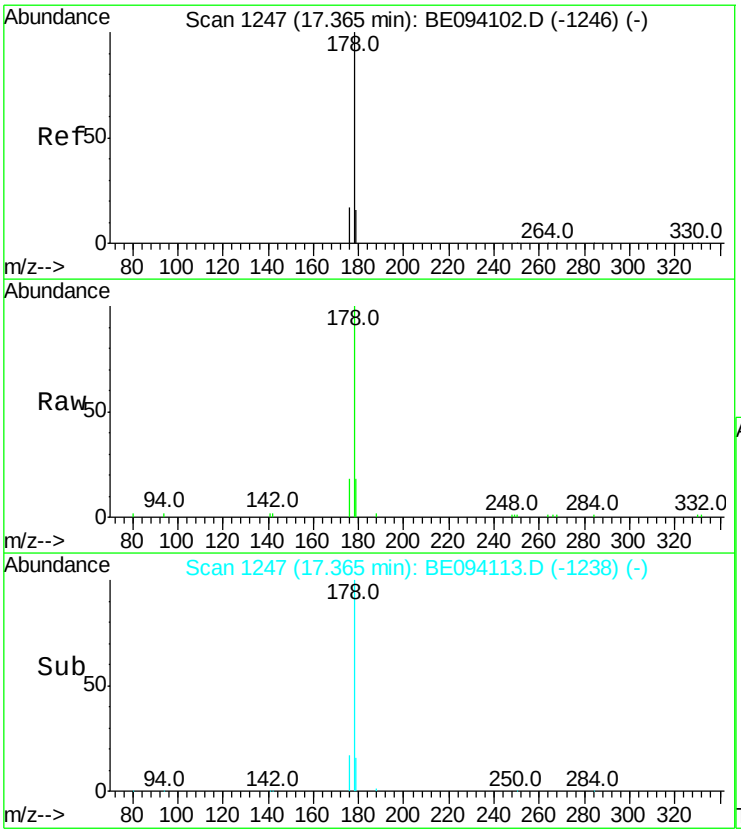
#23
Phenanthrene
Concen: 0.609 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 28626

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	15.2	11.8	17.6

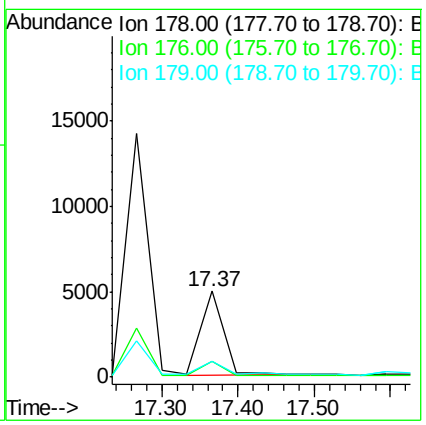


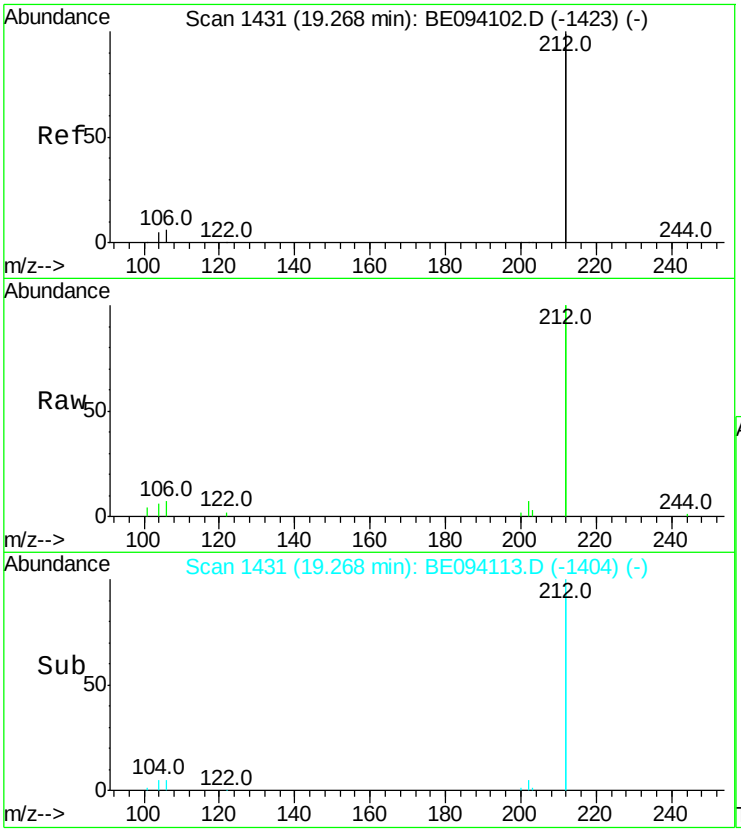


#24
Anthracene
Concen: 0.208 ng
RT: 17.37 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:178 Resp: 10261

Ion	Ratio	Lower	Upper
178	100		
176	16.9	12.8	19.2
179	18.4	13.0	19.6



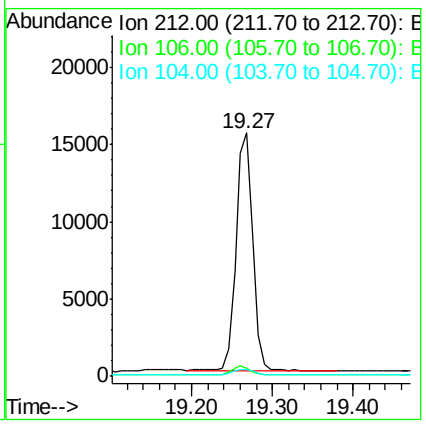


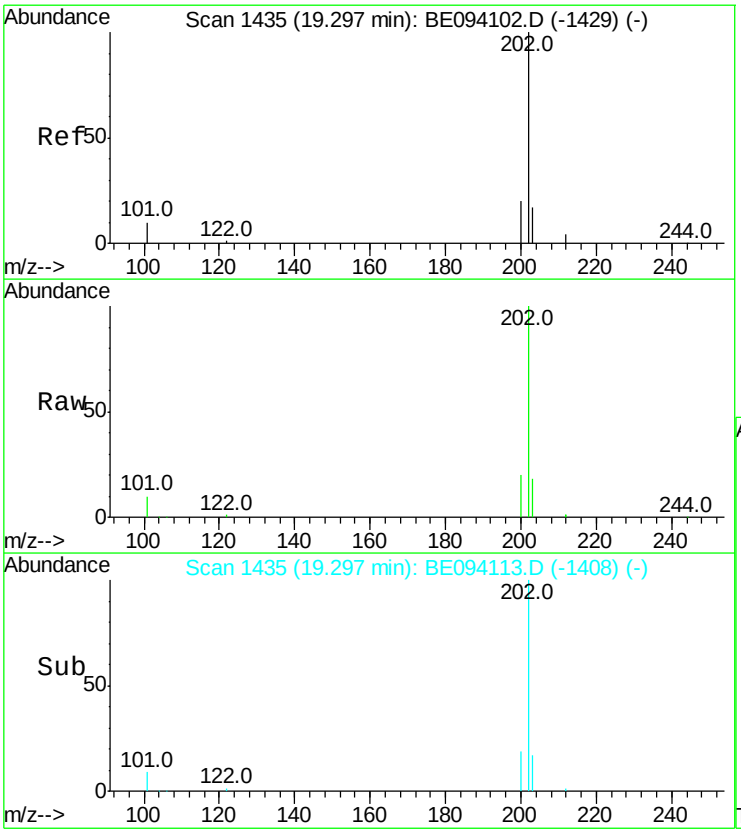
#25
Fluoranthene-d10
Concen: 0.123 ng
RT: 19.27 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 21944

Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.8	4.2
104	2.9	1.6	2.4#

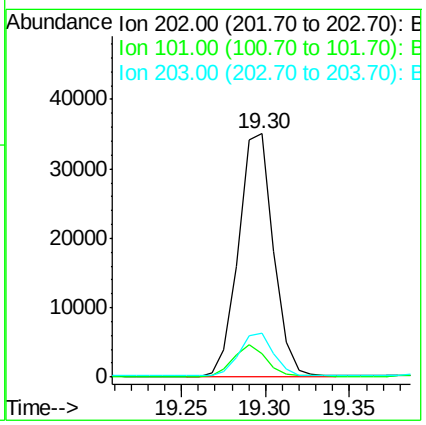


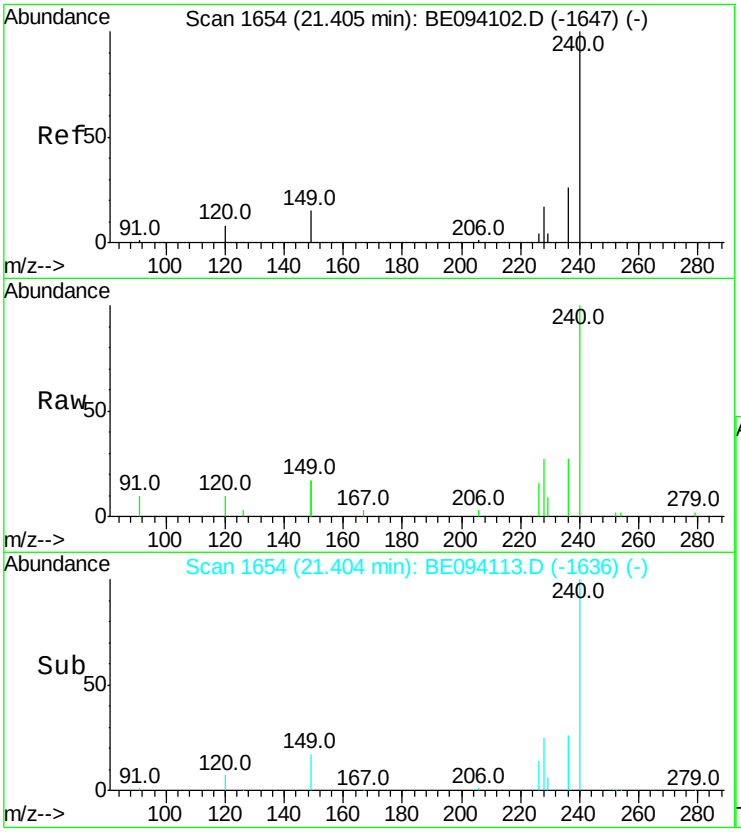


#26
Fluoranthene
Concen: 0.954 ng
RT: 19.30 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:202 Resp: 50251

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
203	17.2	13.7	20.5



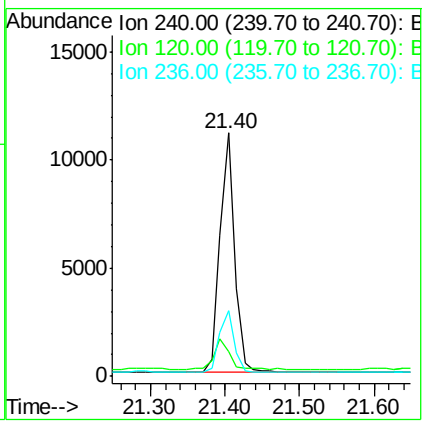


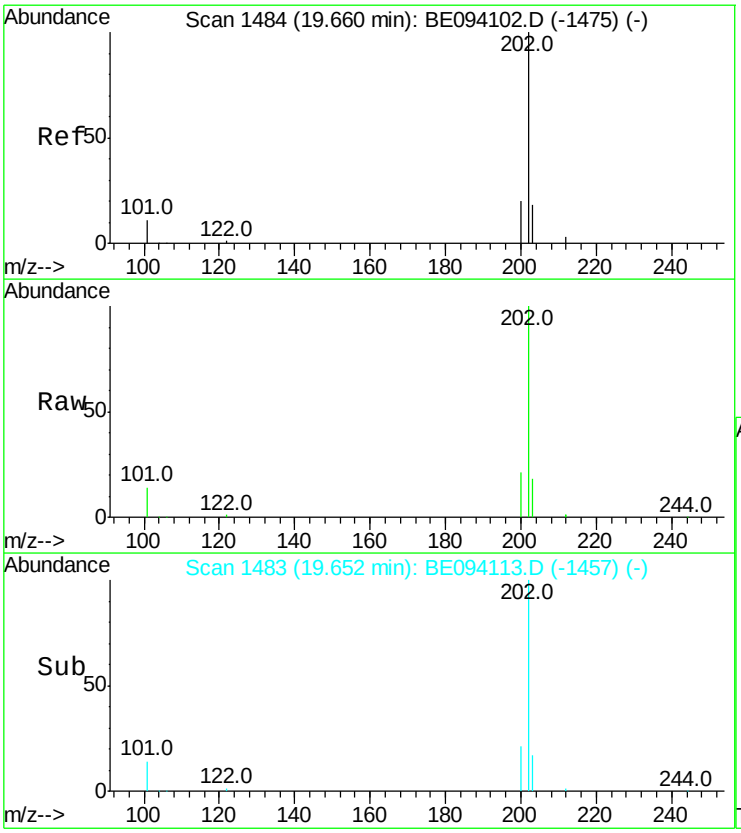
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 15288

Ion	Ratio	Lower	Upper
240	100		
120	10.0	5.5	8.3#
236	27.2	20.7	31.1

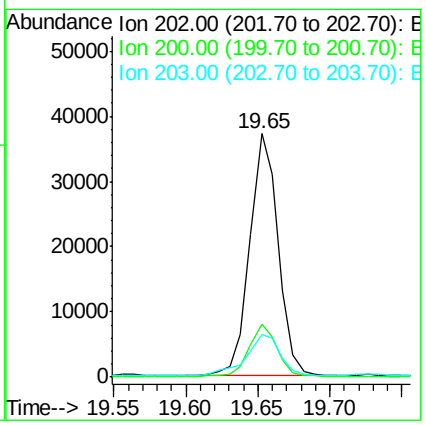


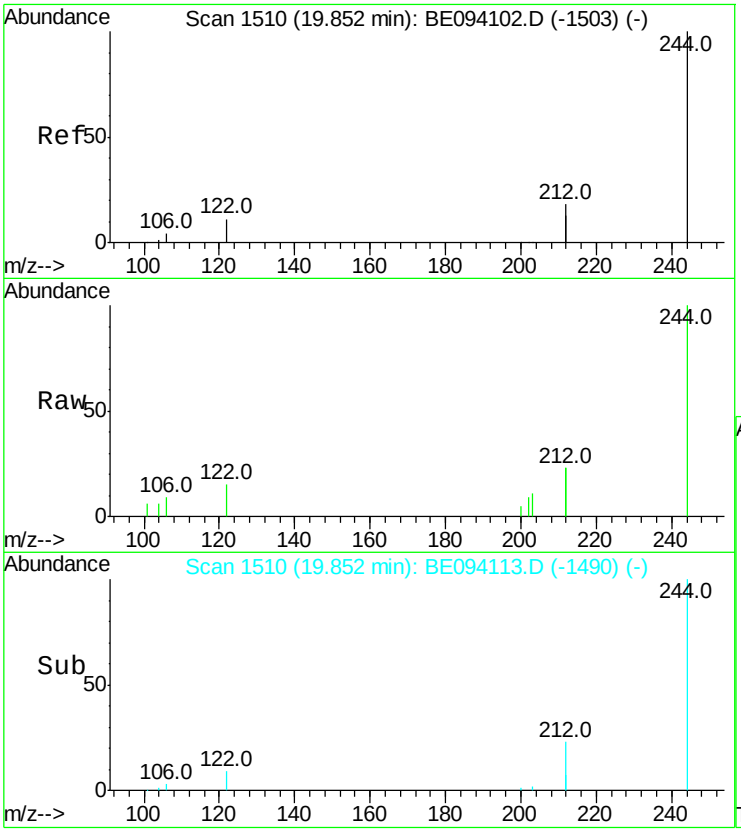


#28
Pyrene
Concen: 1.063 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:202 Resp: 51509

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	20.7	13.8	20.8



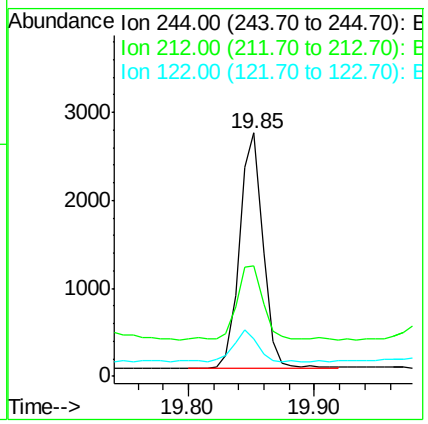


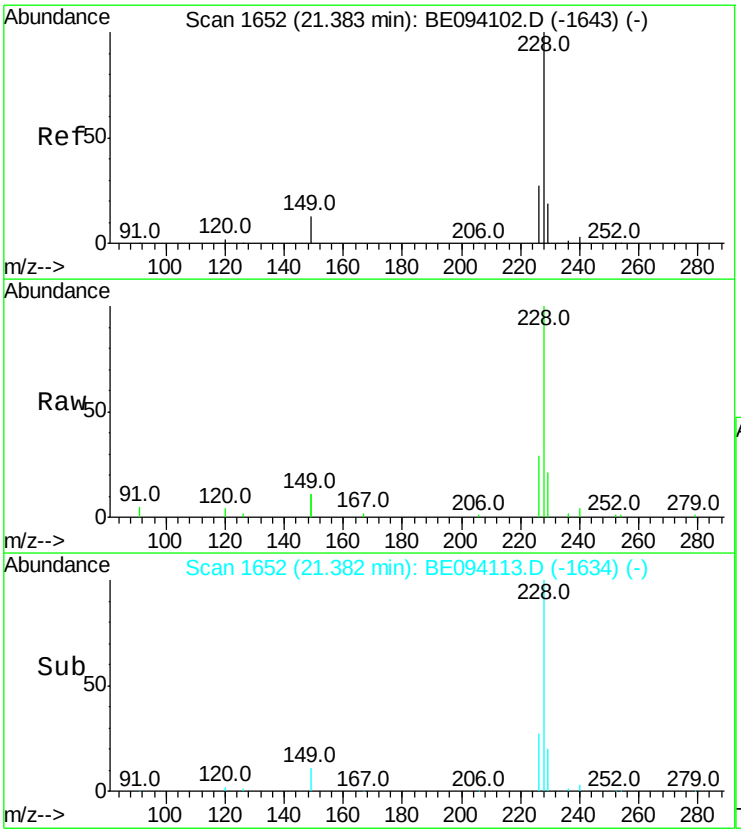
#29
Terphenyl-d14
Concen: 0.124 ng
RT: 19.85 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 3445

Ion	Ratio	Lower	Upper
244	100		
212	45.2	25.4	38.0#
122	15.3	8.1	12.1#

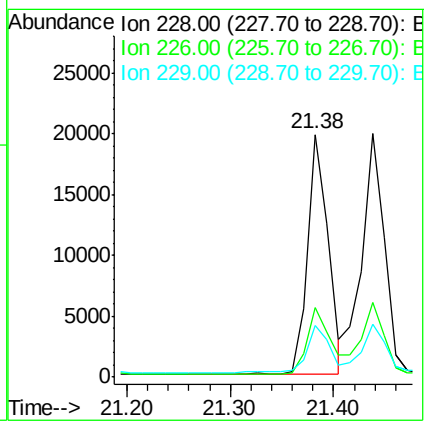


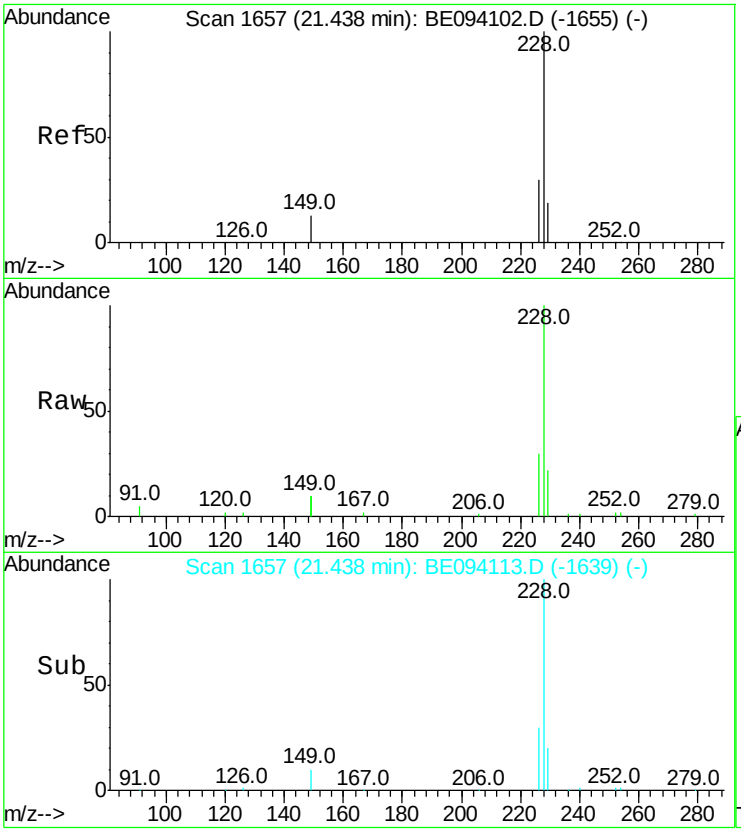


#30
Benzo(a)anthracene
Concen: 0.532 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:228 Resp: 27370

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.0
229	21.4	16.4	24.6



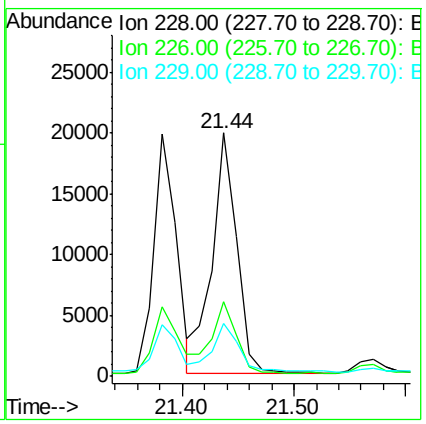


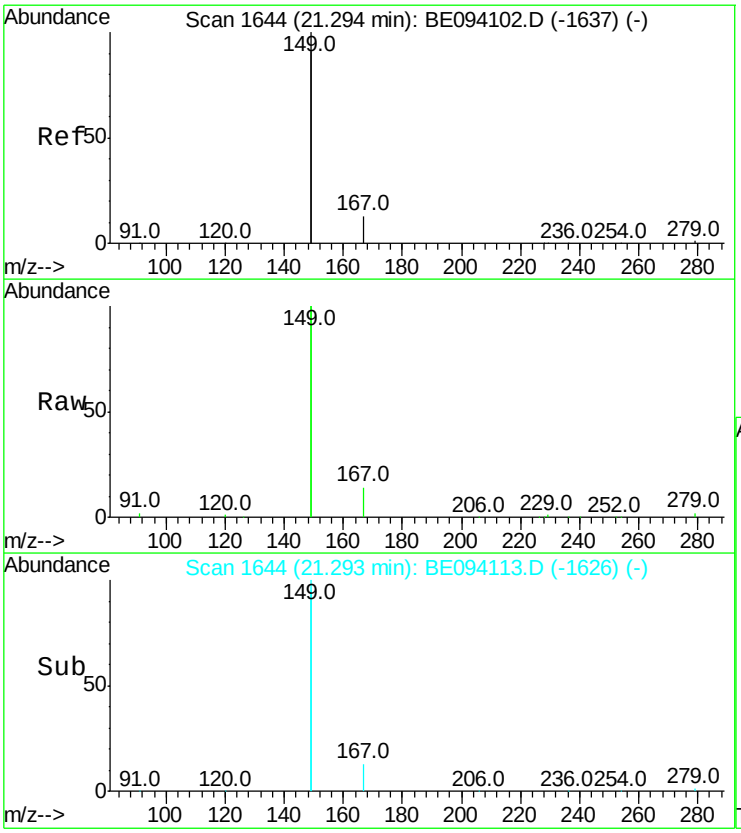
#31
Chrysene
Concen: 0.610 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 30293

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.6	35.4
229	21.7	16.4	24.6

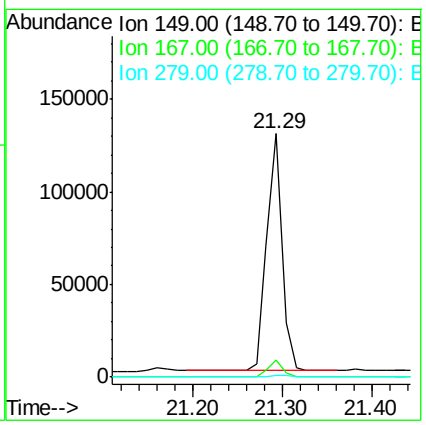


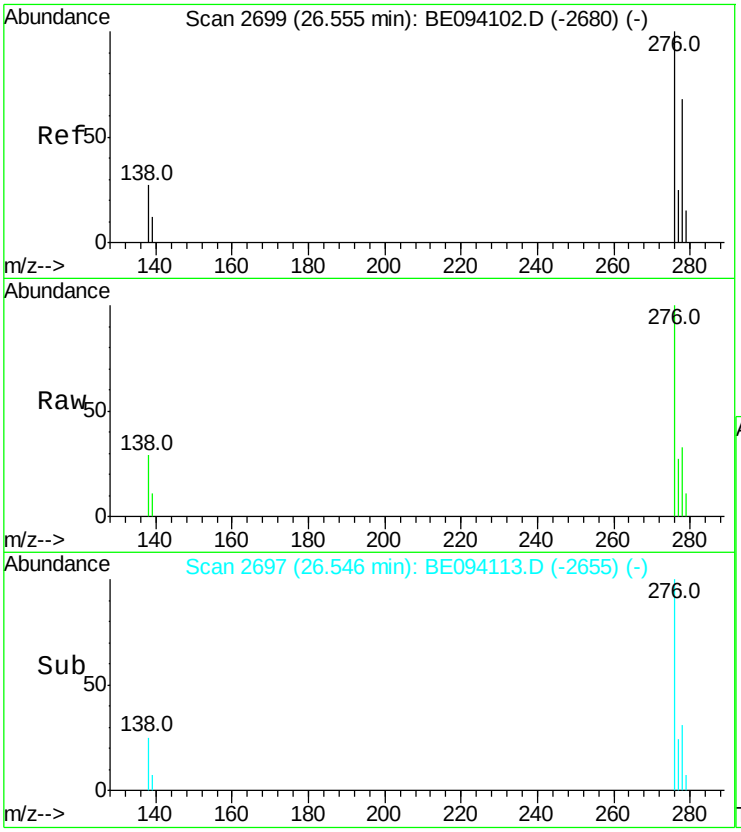


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.021 ng
RT: 21.29 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:149 Resp: 152895

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.0	0.7	1.1



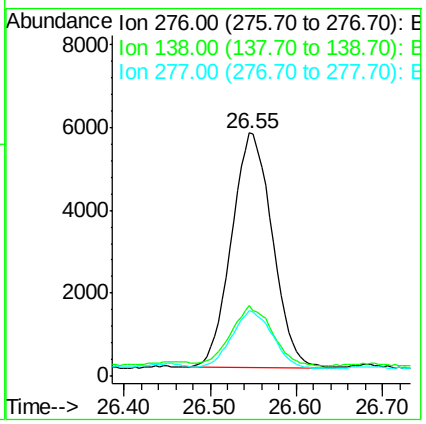


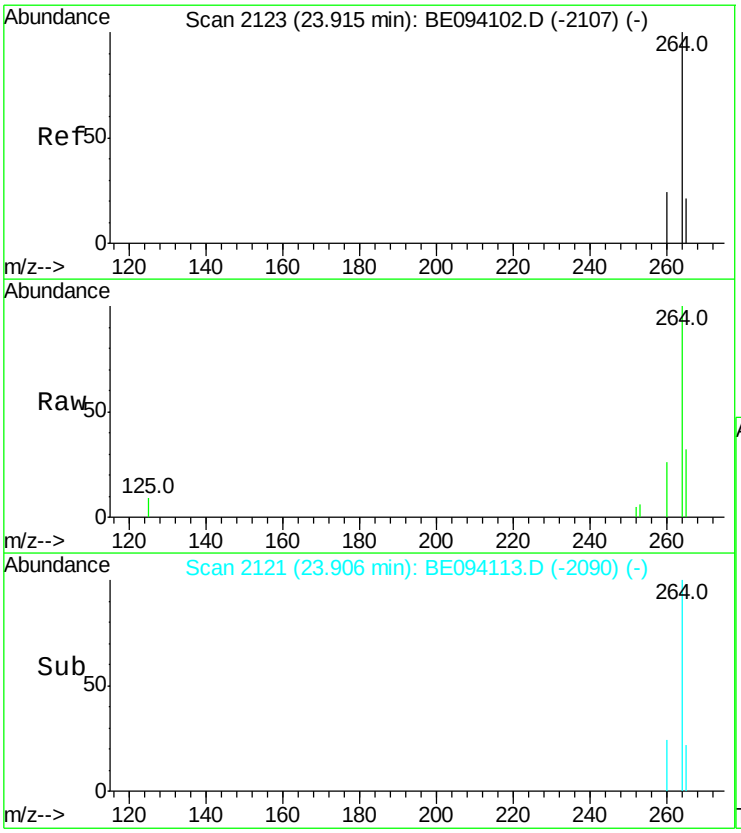
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.350 ng
RT: 26.55 min Scan# 2697
Delta R.T. -0.01 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 18617

Ion	Ratio	Lower	Upper
276	100		
138	25.6	22.5	33.7
277	24.6	19.9	29.9

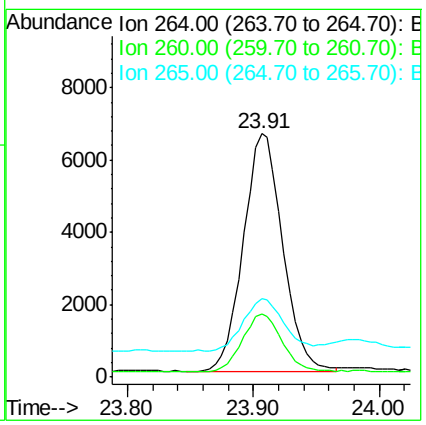


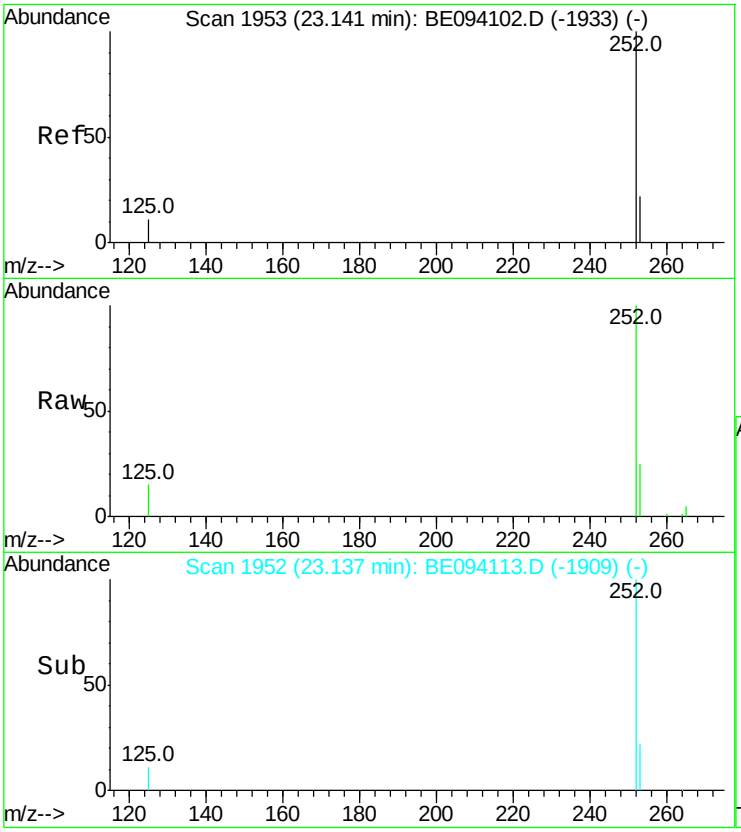


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:264 Resp: 14388

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	32.2	22.8	34.2



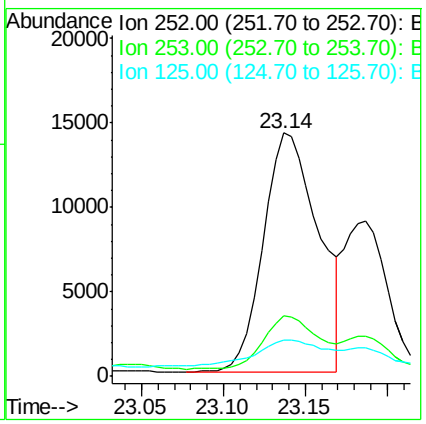


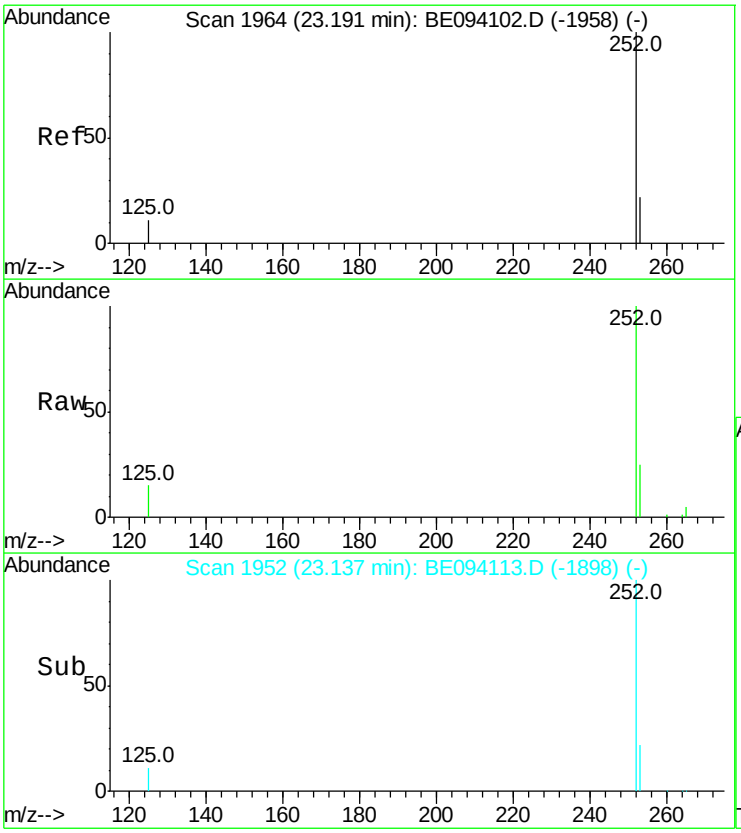
#35
Benzo(b)fluoranthene
Concen: 0.637 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 33059

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	15.2	10.1	15.1#

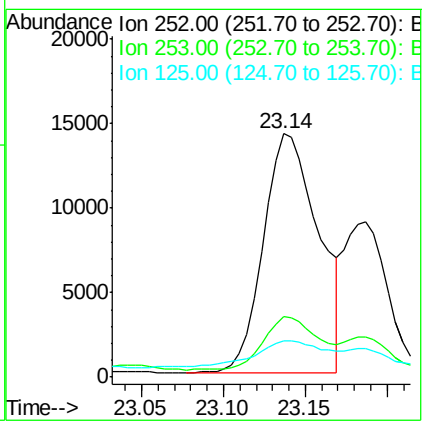


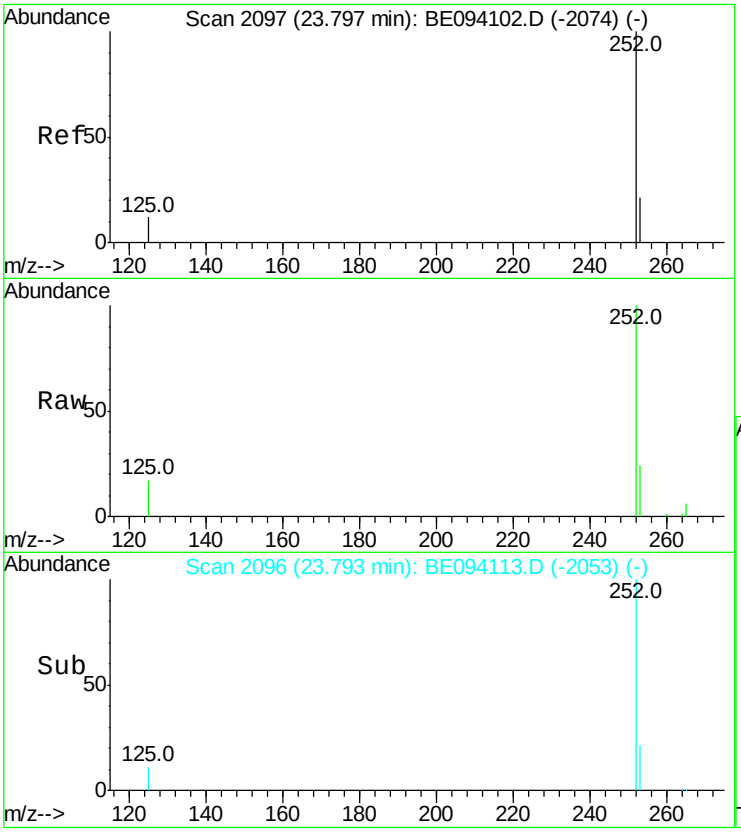


#36
Benzo(k)fluoranthene
Concen: 0.665 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.05 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:252 Resp: 33059

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.6	27.8
125	15.2	10.7	16.1



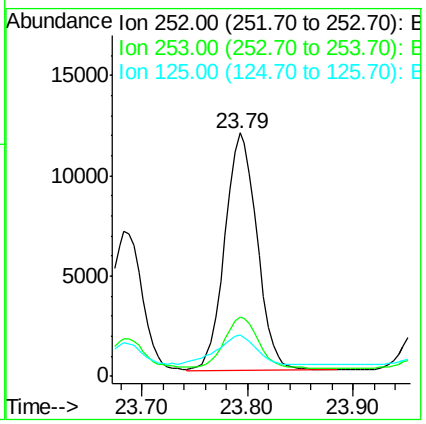


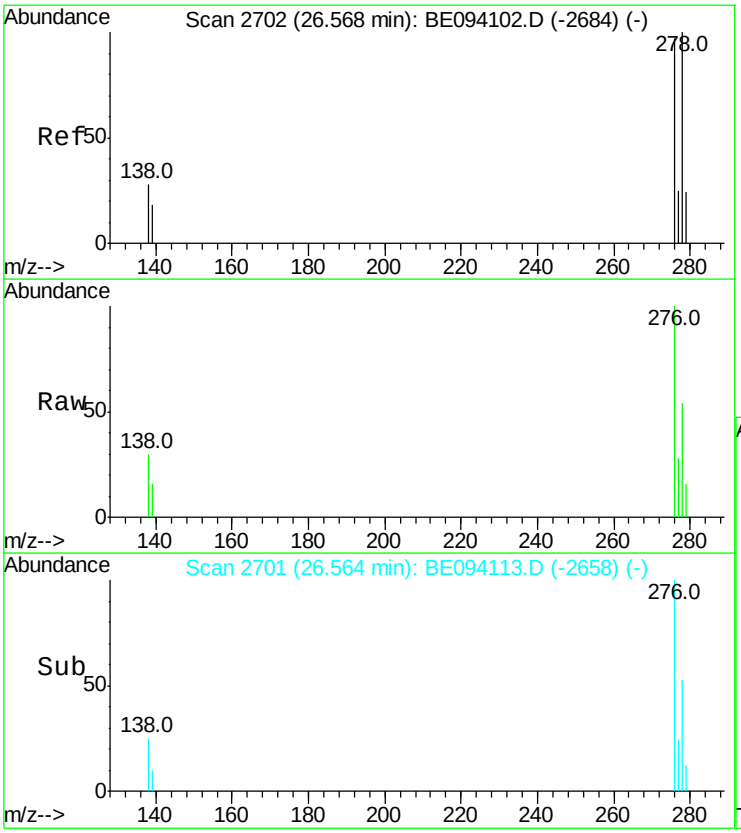
#37
Benzo(a)pyrene
Concen: 0.534 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 25034

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	16.9	11.8	17.8

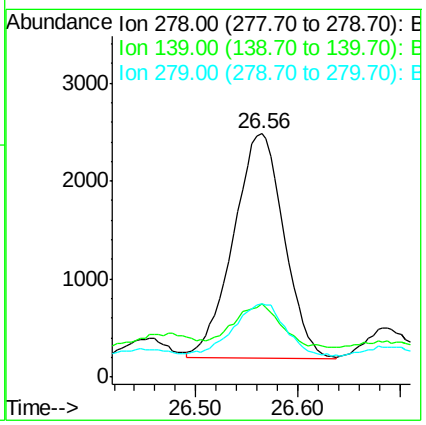


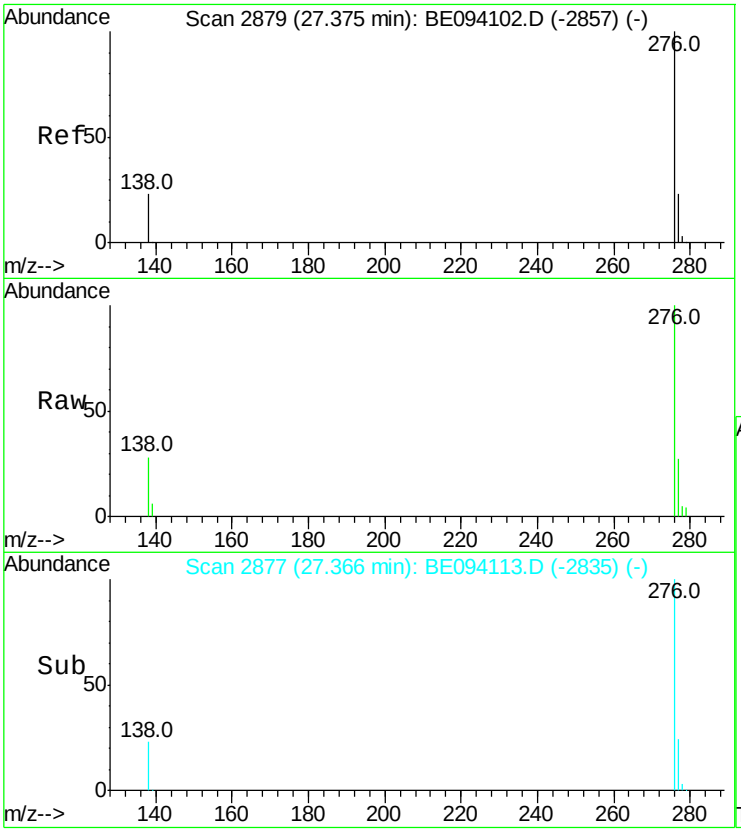


#38
Dibenzo(a,h)anthracene
Concen: 0.177 ng
RT: 26.56 min Scan# 2701
Delta R.T. -0.00 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Tgt Ion:278 Resp: 7874

Ion	Ratio	Lower	Upper
278	100		
139	29.9	16.3	24.5#
279	30.4	19.9	29.9#





#39
Benzo(g,h,i)perylene
Concen: 0.408 ng
RT: 27.37 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE094113.D
Acq: 25 Sep 2017 21:47

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 17960

Ion	Ratio	Lower	Upper
276	100		
277	26.8	20.8	31.2
138	27.7	21.5	32.3