Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
Data File : BE094128.D
Acq On : 26 Sep 2017 14:47
Operator : SJ/JU
Sample : PB102616BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB102616BS

Quant Time: Sep 26 15:50:48 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	1421	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	6527	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	3701	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	13391	0.40	ng		0.00
27) Chrysene-d12	21.40	240	13235	0.40	ng		0.00
34) Perylene-d12	23.91	264	12648	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1579	0.29	ng		0.00
5) Phenol-d6	7.09	99	2180	0.29	ng		0.00
8) Nitrobenzene-d5	9.06	82	1841	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	3358	0.33	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	518	0.23	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	4253	0.35	ng		0.01
25) Fluoranthene-d10	19.27	212	46902	0.36	ng		0.00
29) Terphenyl-d14	19.85	244	8046	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	758	0.274	ng	#	6
3) n-Nitrosodimethylamine	3.73	42	1013	0.286	ng	#	79
6) bis(2-Chloroethyl)ether	7.33	93	1576	0.272	ng		98
9) Naphthalene	10.74	128	20931	0.284	ng		100
10) Hexachlorobutadiene	11.03	225	764	0.277	ng		97
12) 2-Methylnaphthalene	12.35	142	3459	0.290	ng		100
16) Acenaphthylene	14.23	152	5322	0.287	ng		99
17) Acenaphthene	14.57	154	3548	0.306	ng		99
18) Fluorene	15.56	166	4645	0.295	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	1643	0.299	ng	#	86
21) Hexachlorobenzene	16.55	284	1132	0.326	ng	#	88
22) Pentachlorophenol	16.91	266	1602	0.504	ng	#	72
23) Phenanthrene	17.27	178	10682	0.312	ng		97
24) Anthracene	17.37	178	10703	0.298	ng		98
26) Fluoranthene	19.30	202	11698	0.305	ng		100
28) Pyrene	19.66	202	12411	0.296	ng		98
30) Benzo(a)anthracene	21.38	228	13596	0.305	ng		97
31) Chrysene	21.44	228	12123	0.282	ng		97
32) Bis(2-ethylhexyl)phthalate	21.29	149	74219	0.444	ng		100
33) Indeno(1,2,3-cd)pyrene	26.56	276	13304	0.289	ng		99
35) Benzo(b)fluoranthene	23.14	252	12818	0.281	ng	#	91
36) Benzo(k)fluoranthene	23.19	252	12158	0.278	ng	#	92
37) Benzo(a)pyrene	23.79	252	12026	0.292	ng	#	91
38) Dibenzo(a,h)anthracene	26.57	278	11143	0.285	ng		95
39) Benzo(g,h,i)perylene	27.37	276	11229	0.290	ng		97

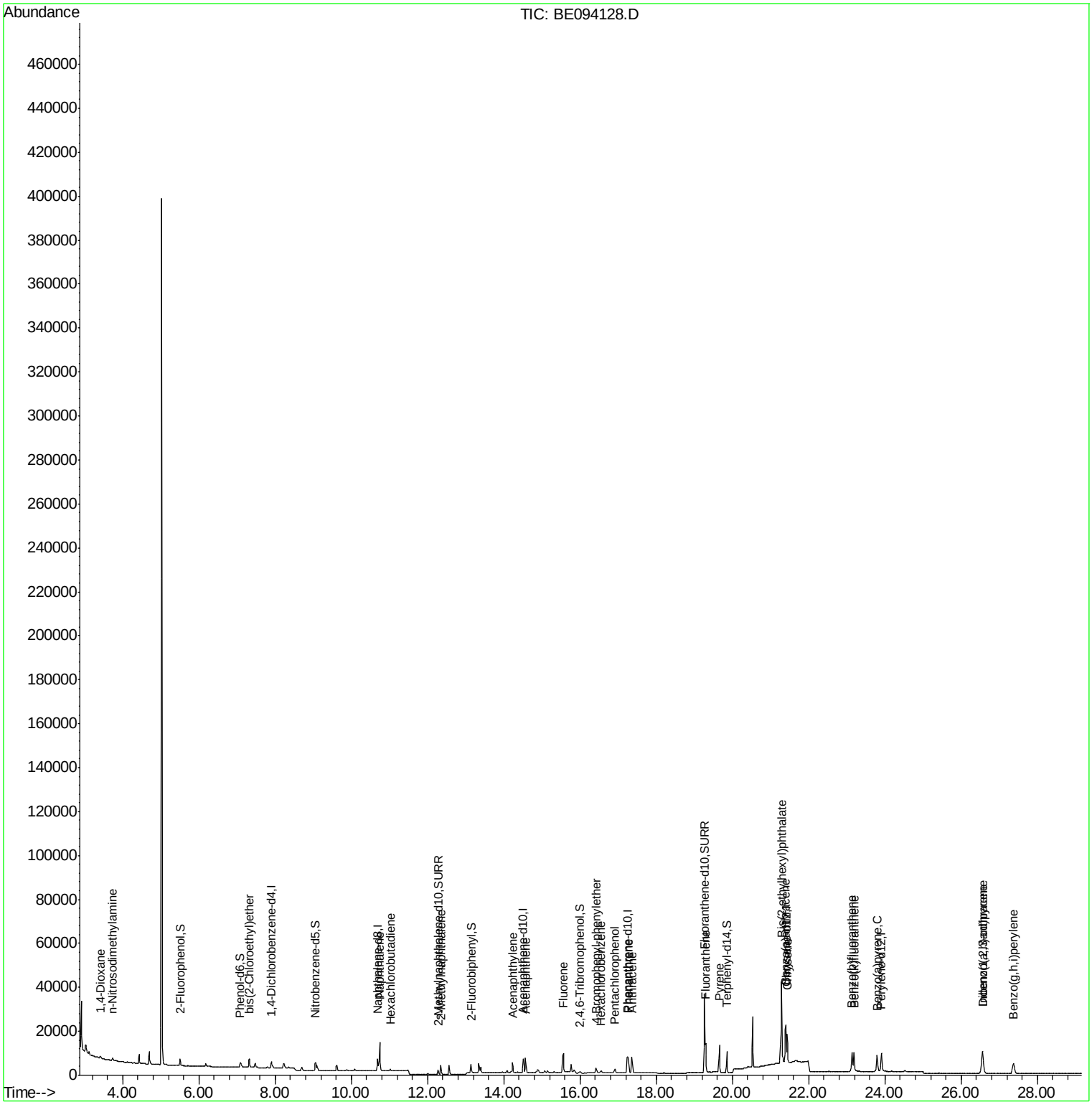
(#) = qualifier out of range (m) = manual integration (+) = signals summed

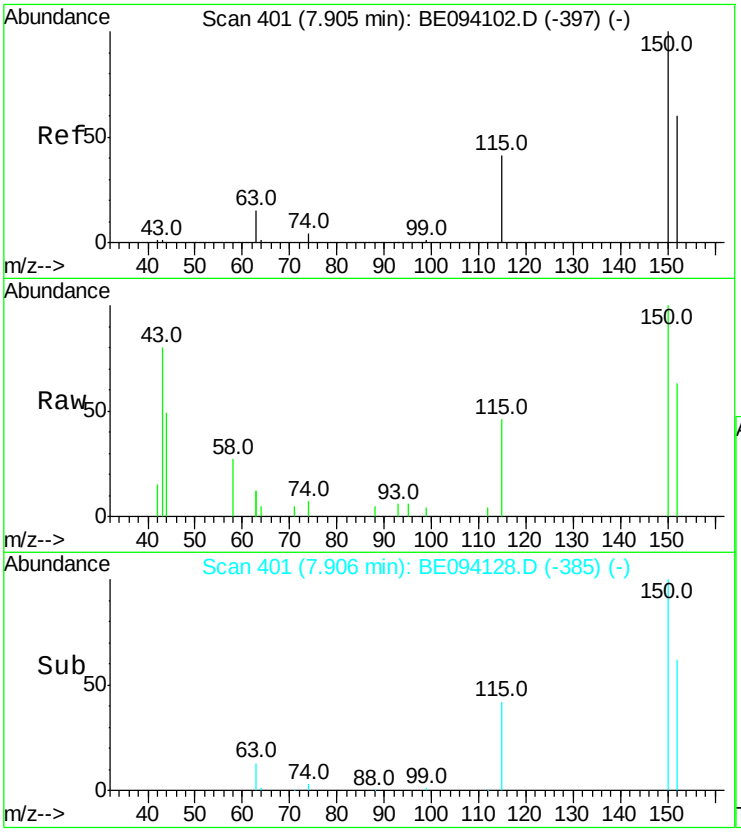
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
Data File : BE094128.D
Acq On : 26 Sep 2017 14:47
Operator : SJ/JU
Sample : PB102616BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Quant Time: Sep 26 15:50:48 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



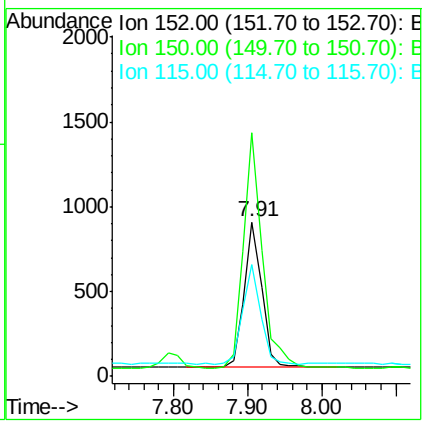


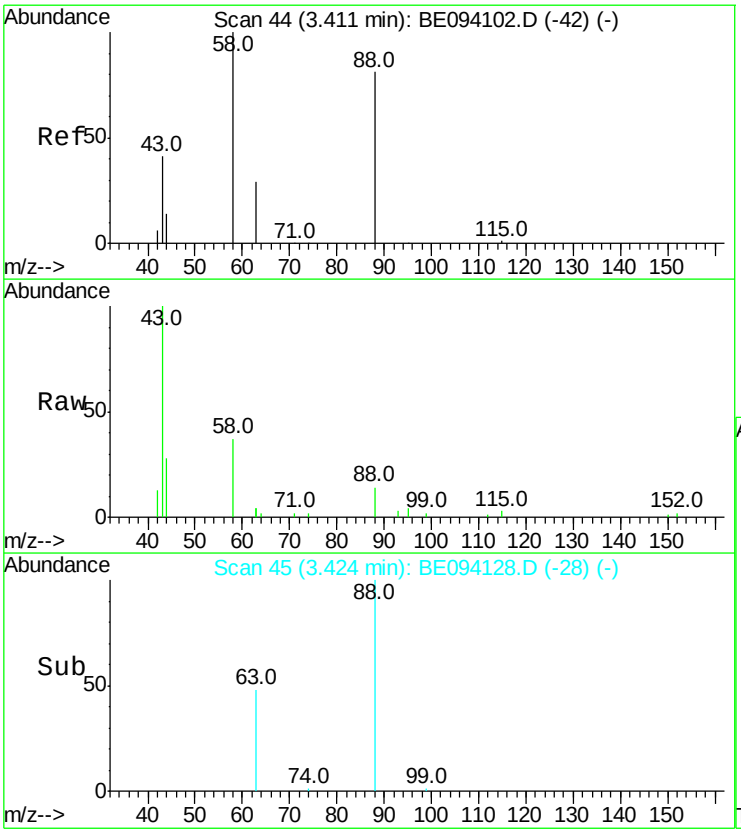
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:152 Resp: 1421

Ion	Ratio	Lower	Upper
152	100		
150	157.9	117.2	175.8
115	72.3	57.0	85.6

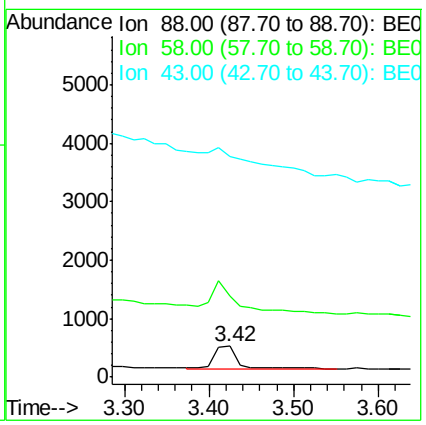


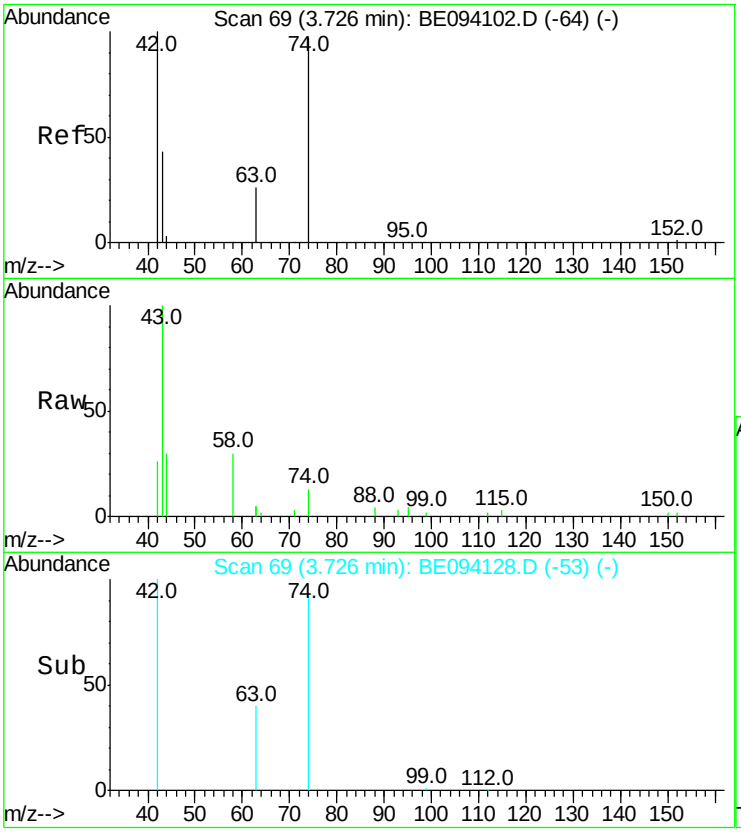


#2
1,4-Dioxane
Concen: 0.274 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion: 88 Resp: 758

Ion	Ratio	Lower	Upper
88	100		
58	172.6	63.2	94.8#
43	0.0	41.2	61.8#



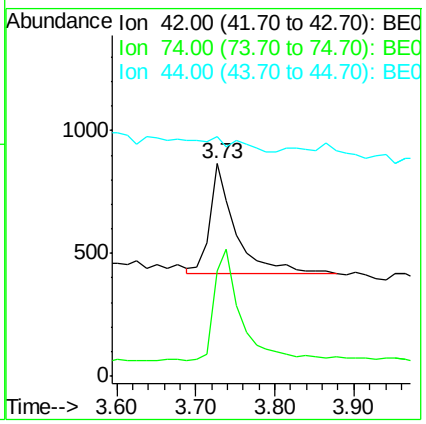


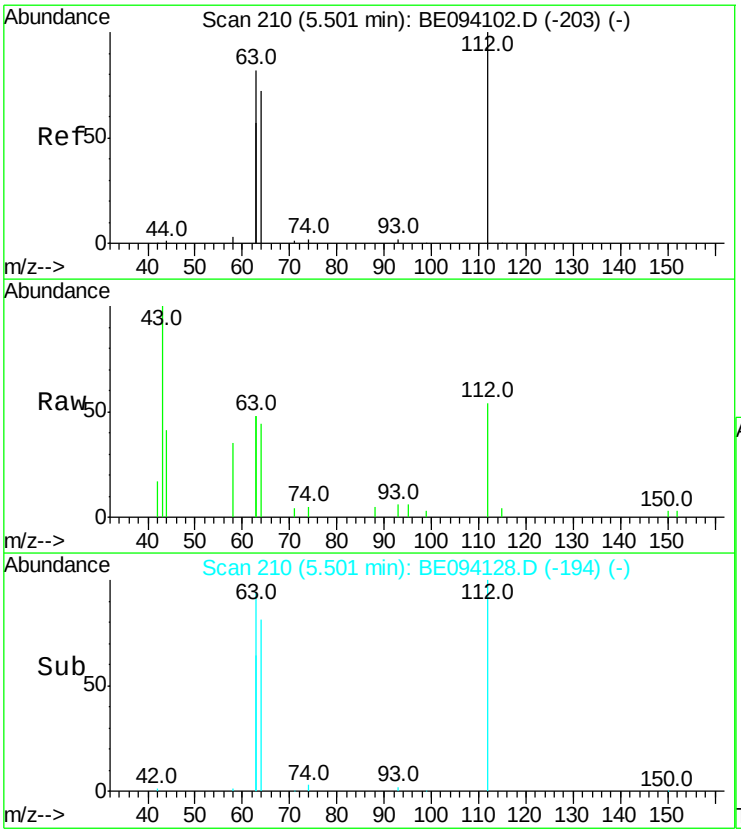
#3
n-Nitrosodimethylamine
Concen: 0.286 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion: 42 Resp: 1013

Ion	Ratio	Lower	Upper
42	100		
74	105.6	100.3	150.5
44	0.0	17.0	25.4#

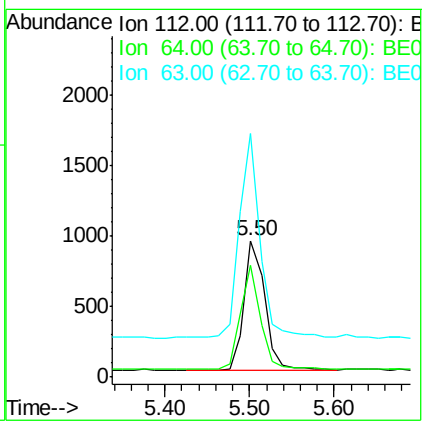


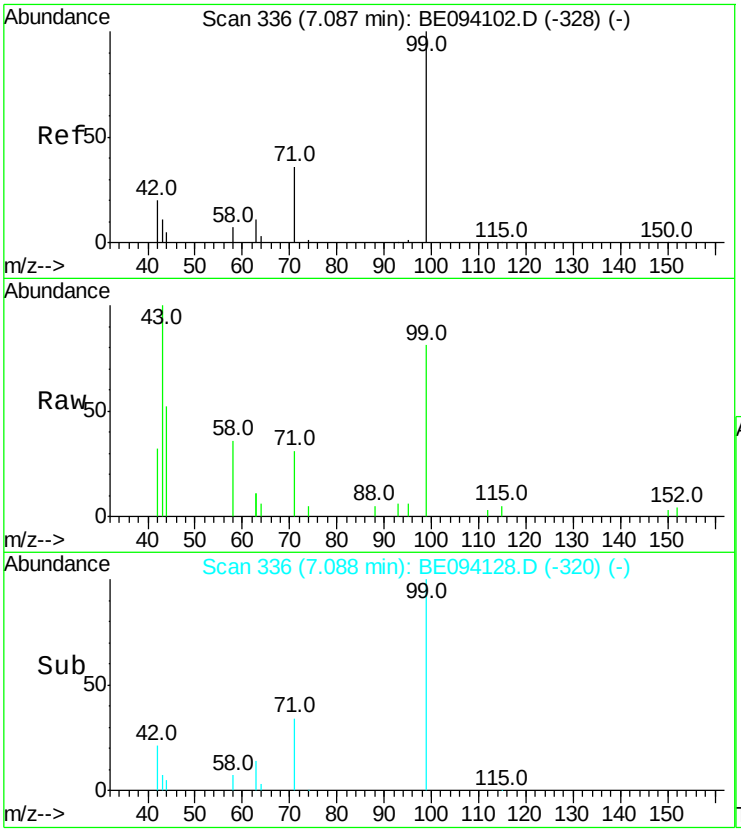


#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:112 Resp: 1579

Ion	Ratio	Lower	Upper
112	100		
64	77.6	60.1	90.1
63	160.0	116.8	175.2



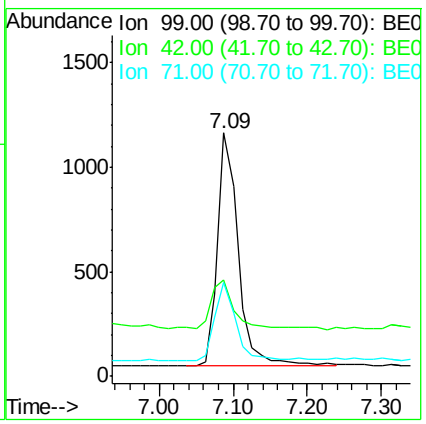


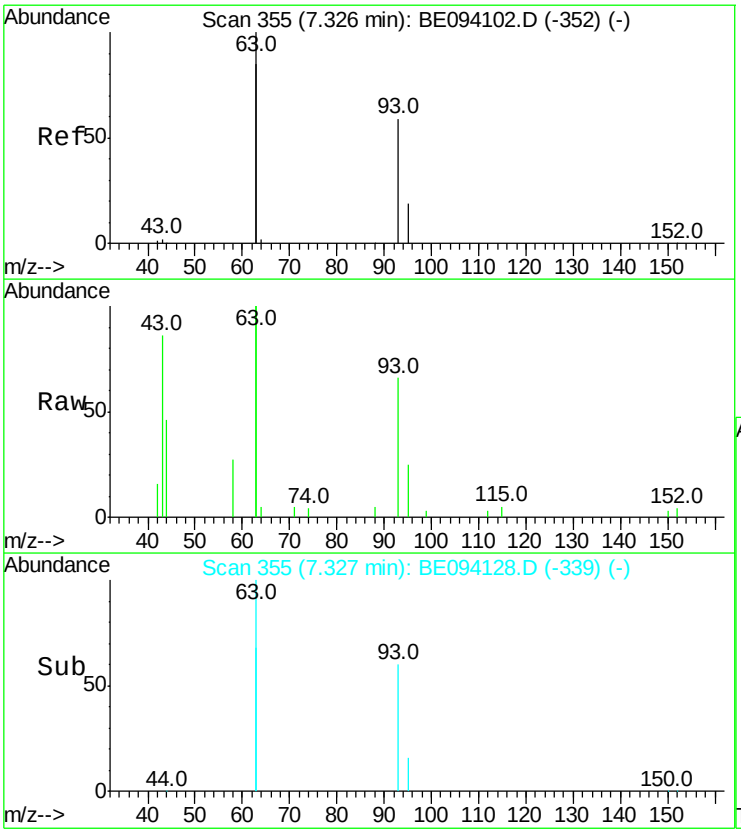
#5
Phenol-d6
Concen: 0.291 ng
RT: 7.09 min Scan# 336
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion: 99 Resp: 2180

Ion	Ratio	Lower	Upper
99	100		
42	21.6	20.2	30.2
71	34.7	28.4	42.6

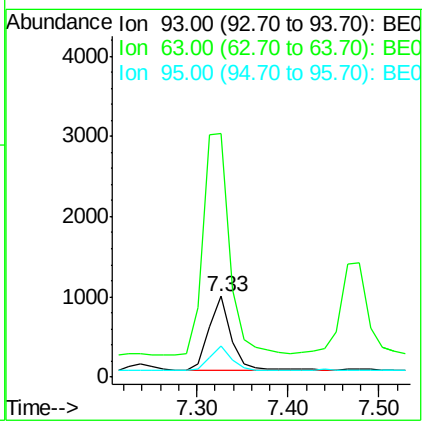


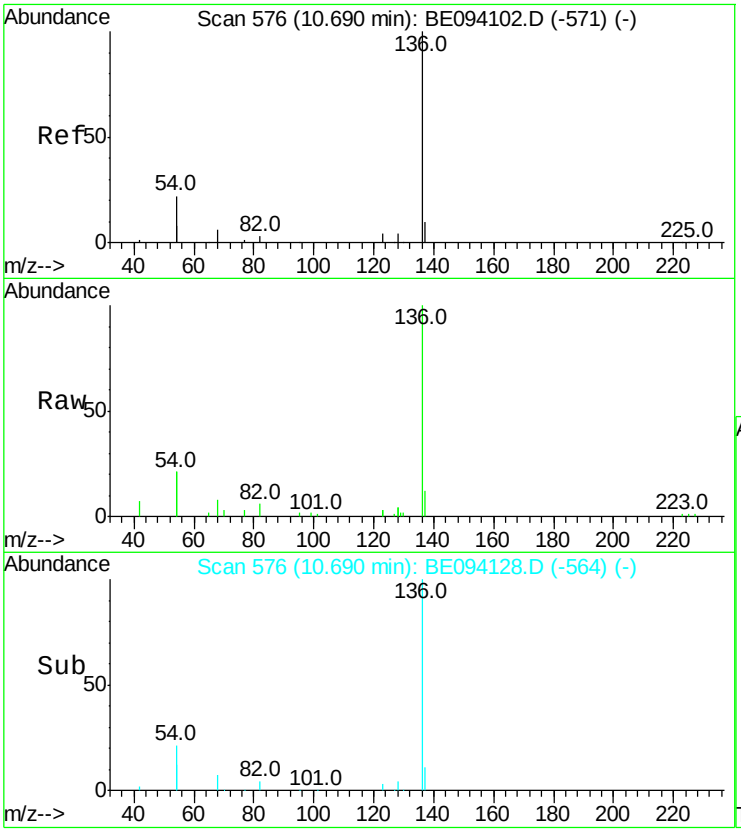


#6
bis(2-Chloroethyl)ether
Concen: 0.272 ng
RT: 7.33 min Scan# 355
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion: 93 Resp: 1576

Ion	Ratio	Lower	Upper
93	100		
63	348.7	275.3	412.9
95	31.4	25.2	37.8



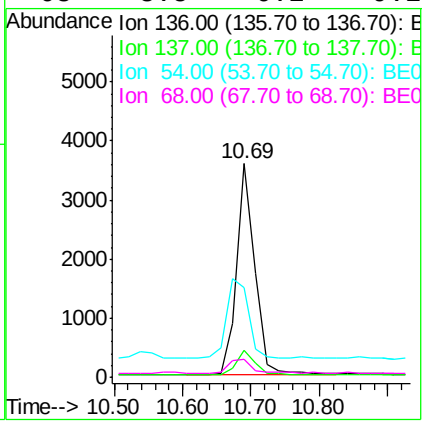


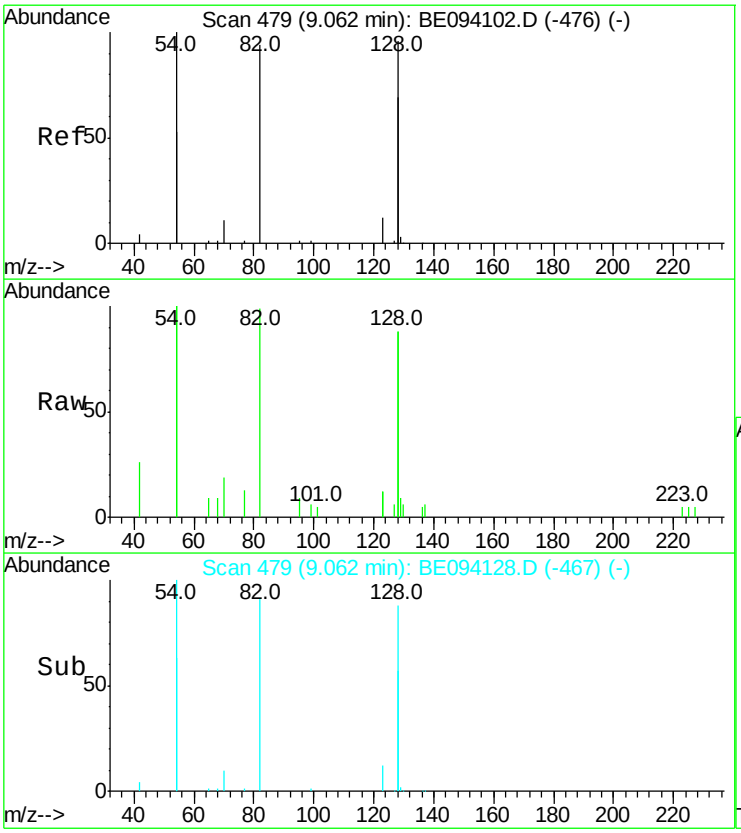
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:136 Resp: 6527

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	42.2	29.1	43.7
68	8.5	6.2	9.2

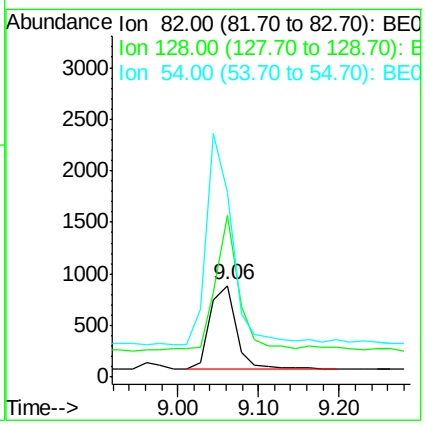


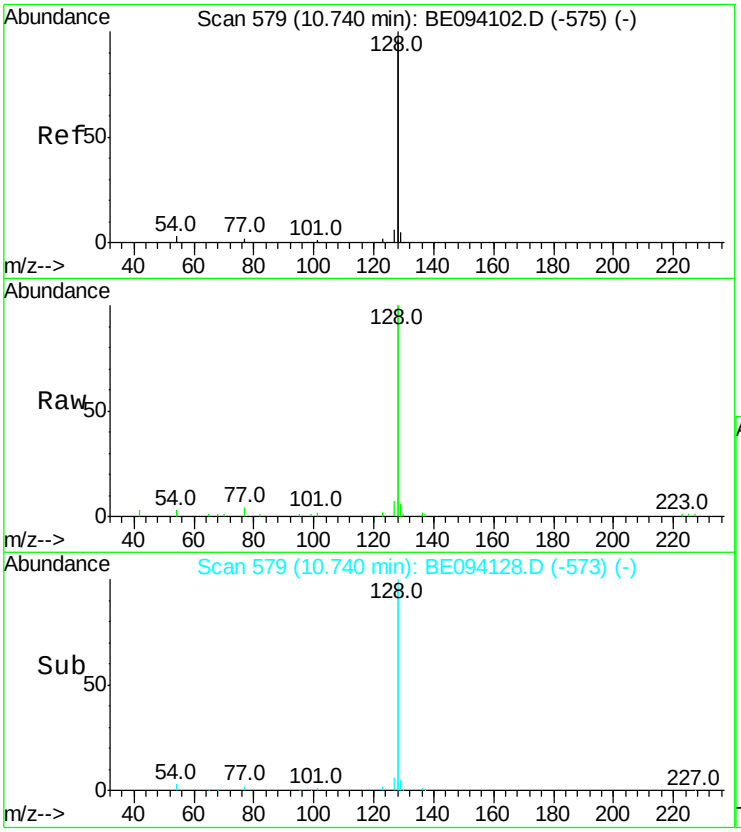


#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion: 82 Resp: 1841

Ion	Ratio	Lower	Upper
82	100		
128	177.2	150.0	225.0
54	201.8	154.2	231.4



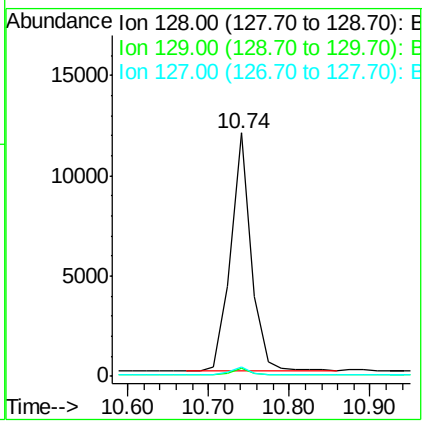


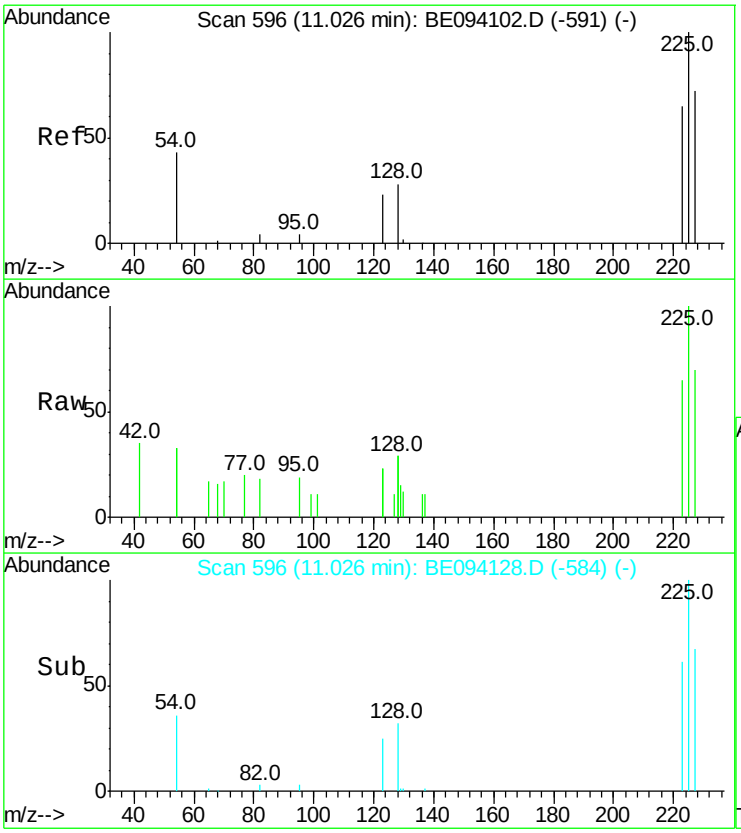
#9
Naphthalene
Concen: 0.284 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:128 Resp: 20931

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.6	2.8	4.2

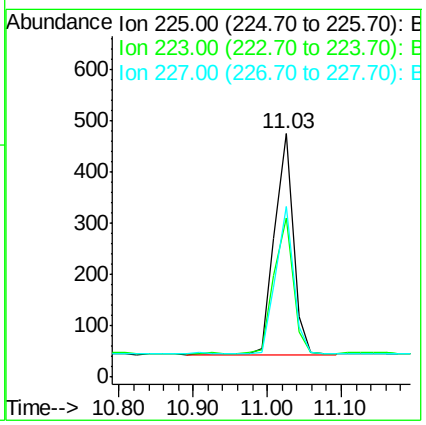


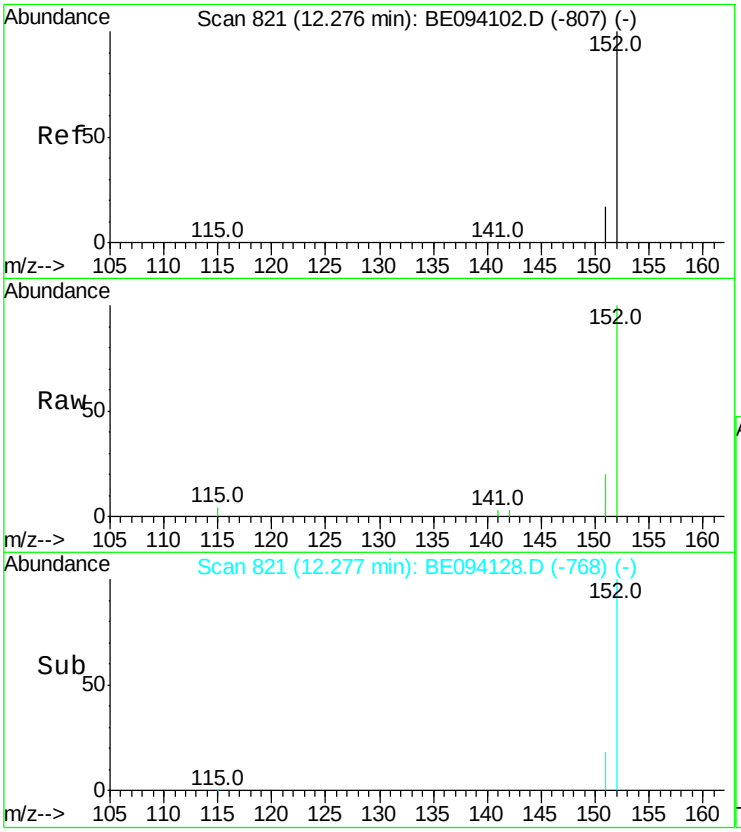


#10
Hexachlorobutadiene
Concen: 0.277 ng
RT: 11.03 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:225 Resp: 764

Ion	Ratio	Lower	Upper
225	100		
223	62.3	53.0	79.6
227	63.7	51.4	77.2



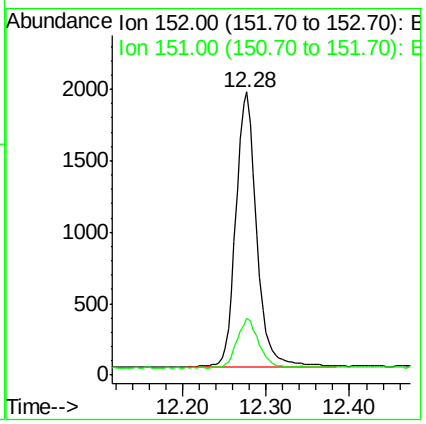


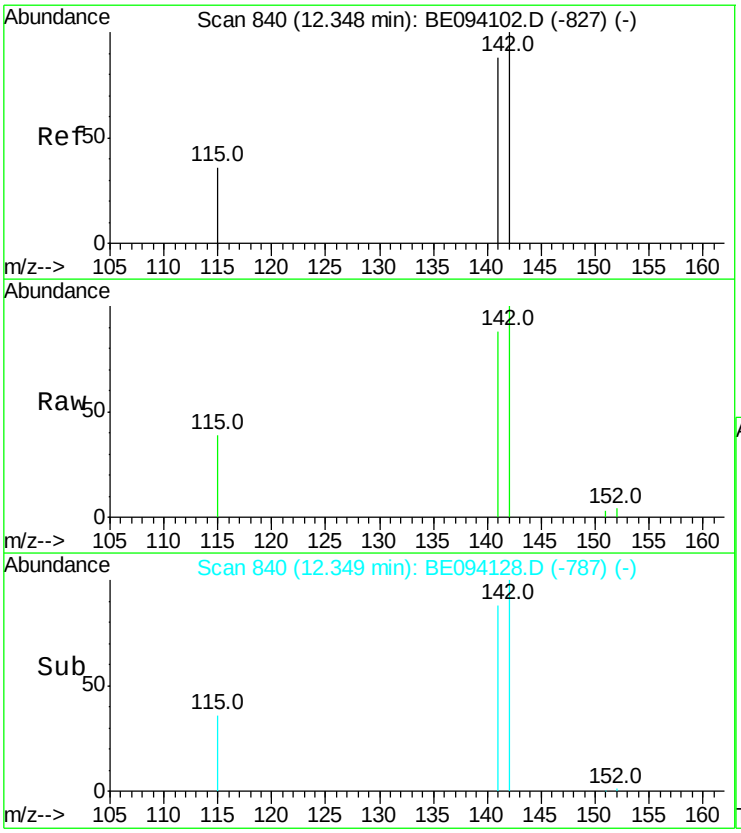
#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 12.28 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:152 Resp: 3358

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.4	23.0

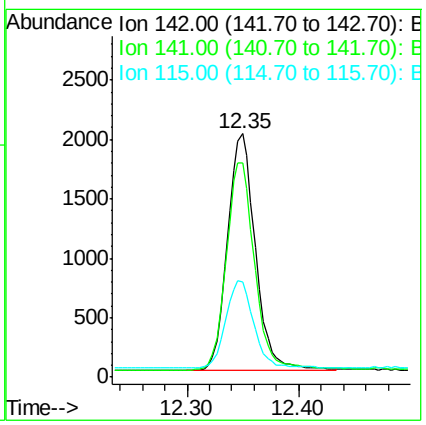


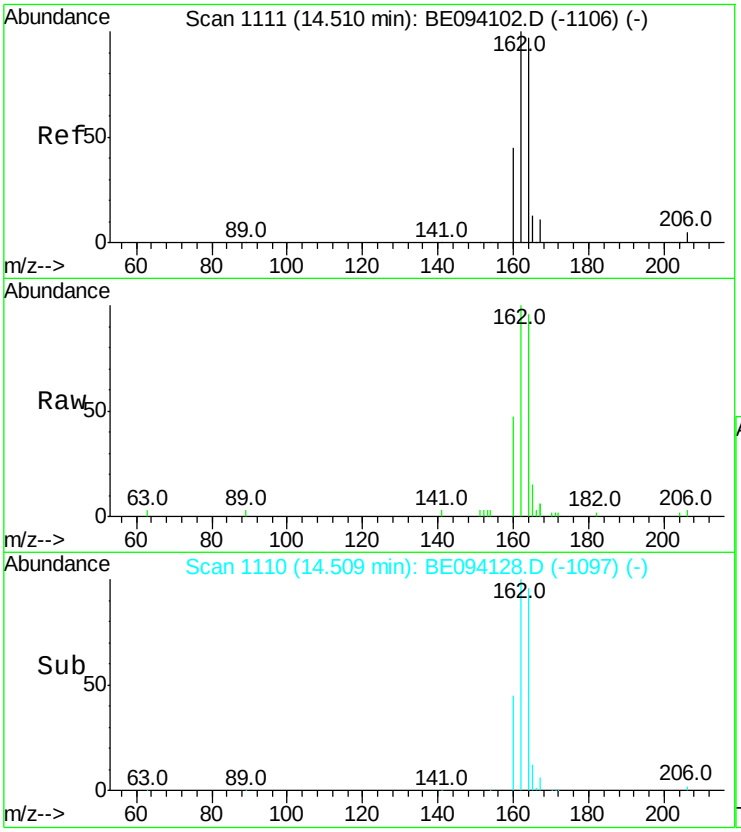


#12
2-Methylnaphthalene
Concen: 0.290 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:142 Resp: 3459

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	39.0	31.7	47.5



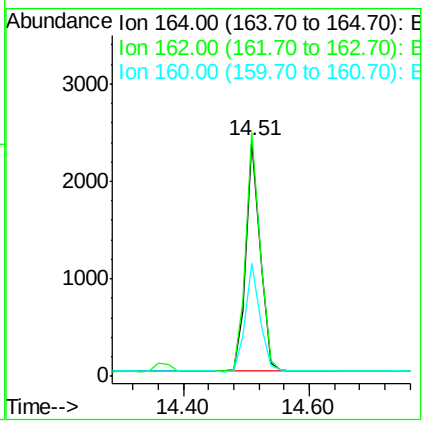


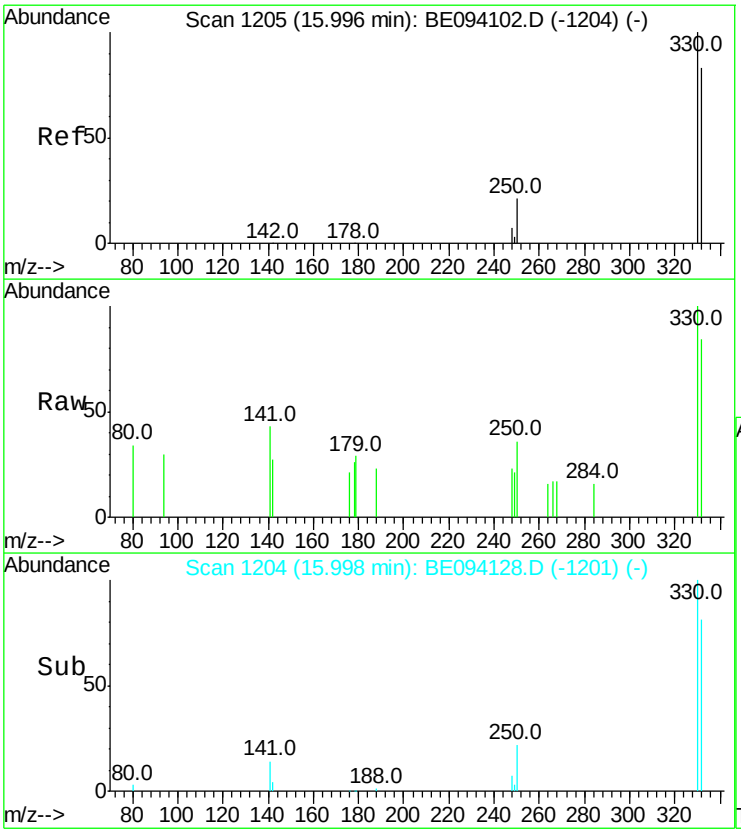
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:164 Resp: 3701

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.1	124.7
160	48.4	37.1	55.7

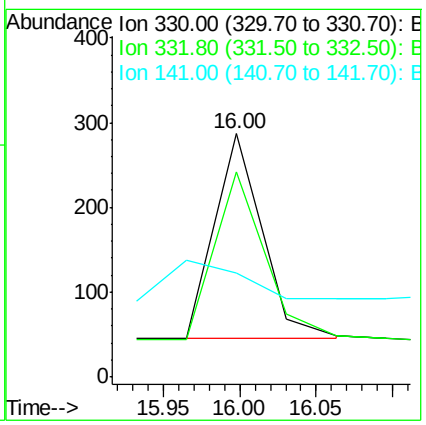


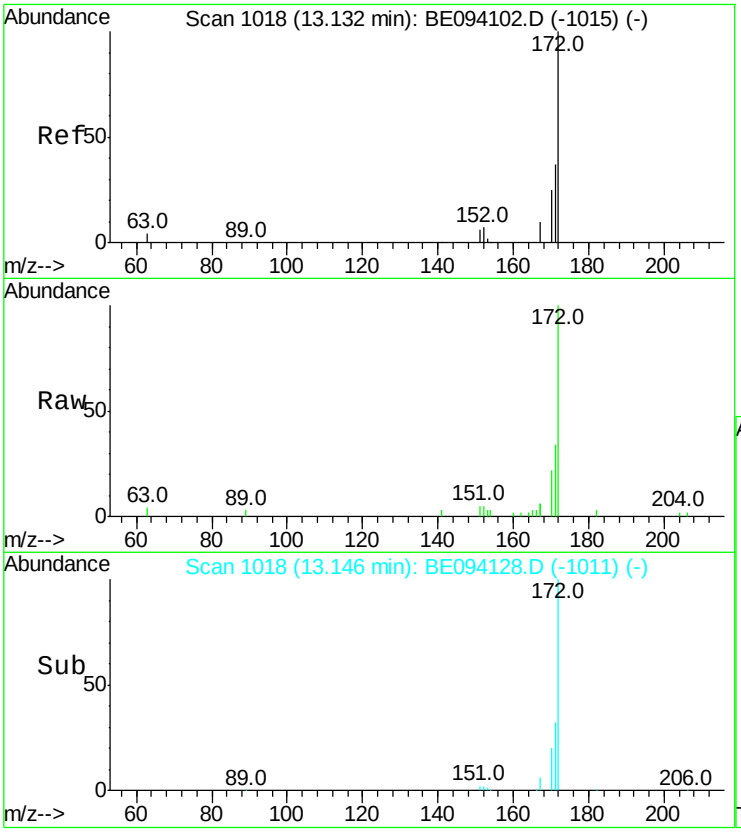


#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 16.00 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:330 Resp: 518

Ion	Ratio	Lower	Upper
330	100		
332	88.0	152.7	229.1#
141	0.0	33.7	50.5#



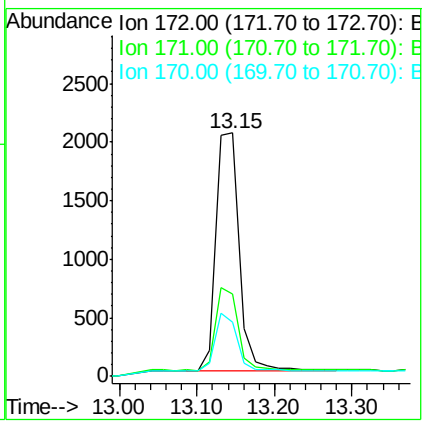


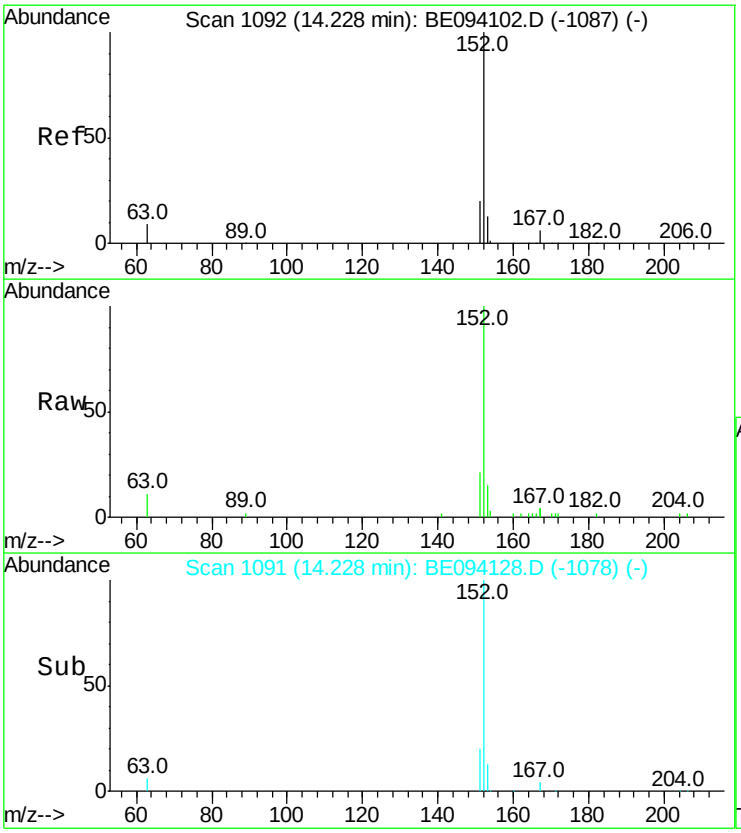
#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.15 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:172 Resp: 4253

Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.9	44.9
170	22.4	21.8	32.8

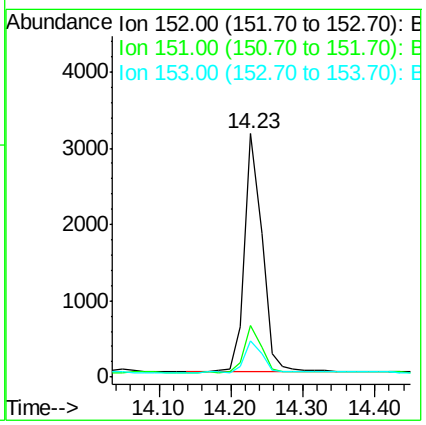


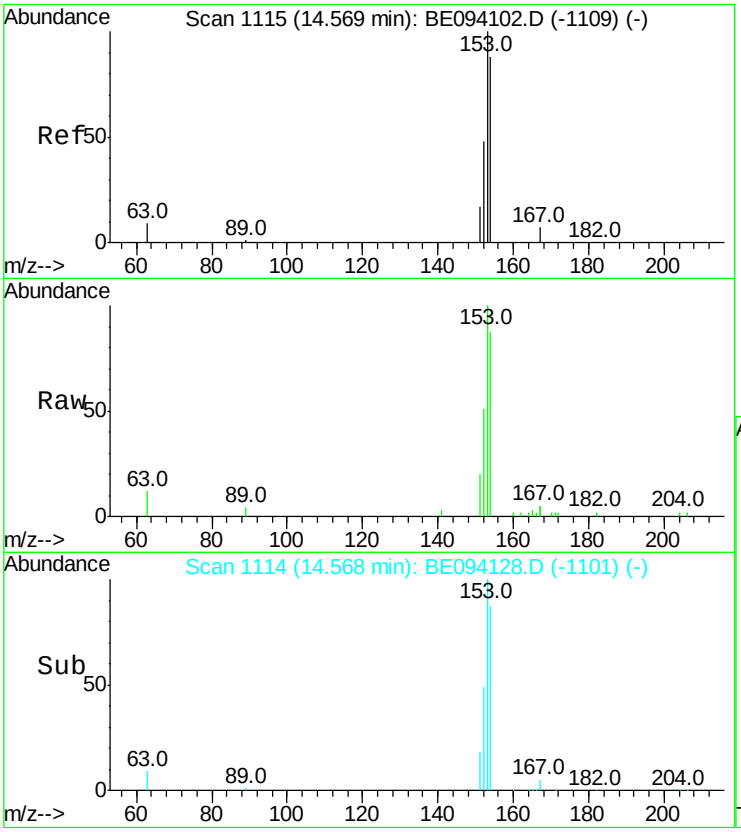


#16
Acenaphthylene
Concen: 0.287 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:152 Resp: 5322

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	13.5	10.5	15.7



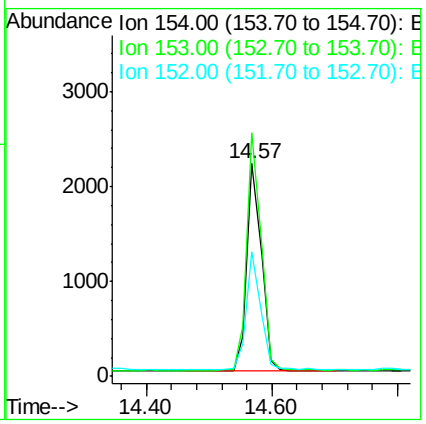


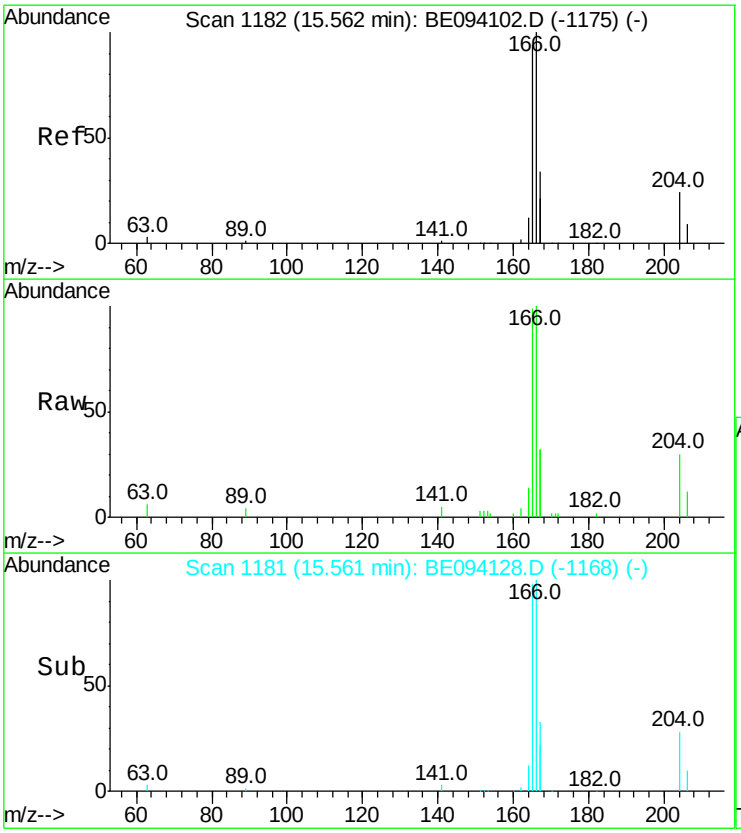
#17
Acenaphthene
Concen: 0.306 ng
RT: 14.57 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:154 Resp: 3548

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.2	133.8
152	53.9	42.0	63.0

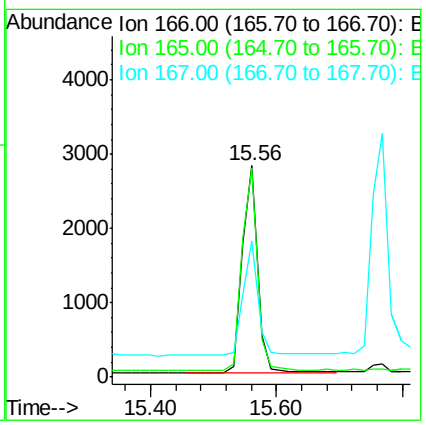


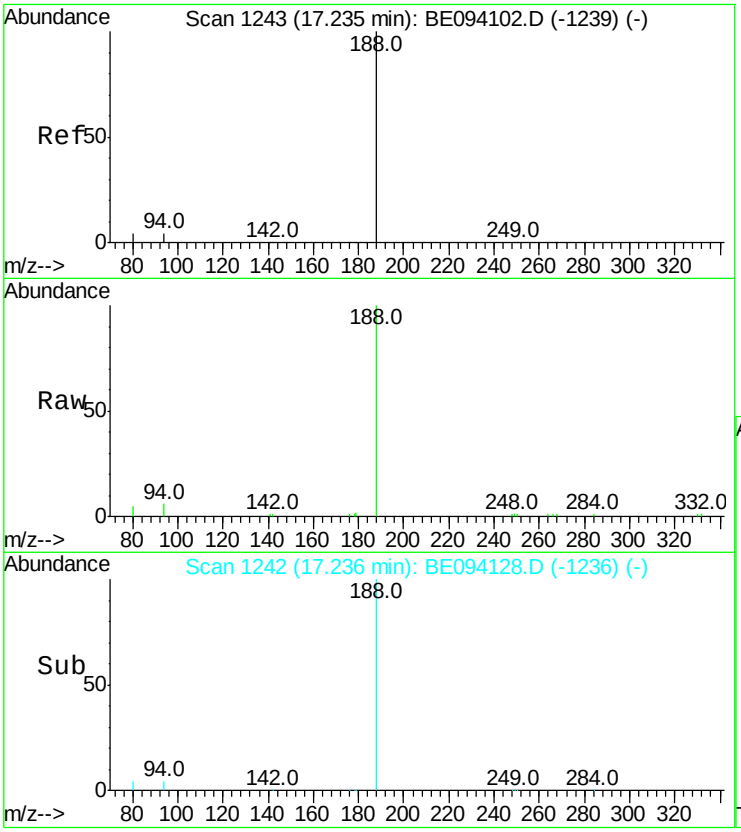


#18
Fluorene
Concen: 0.295 ng
RT: 15.56 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:166 Resp: 4645

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.6
167	53.6	42.4	63.6



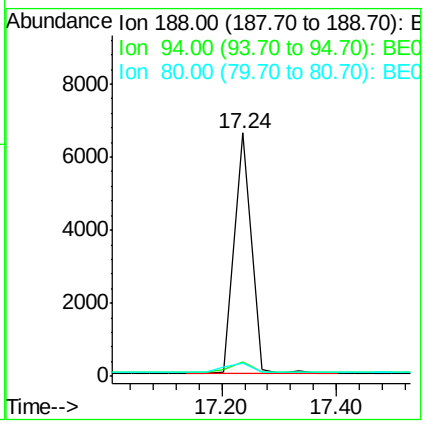


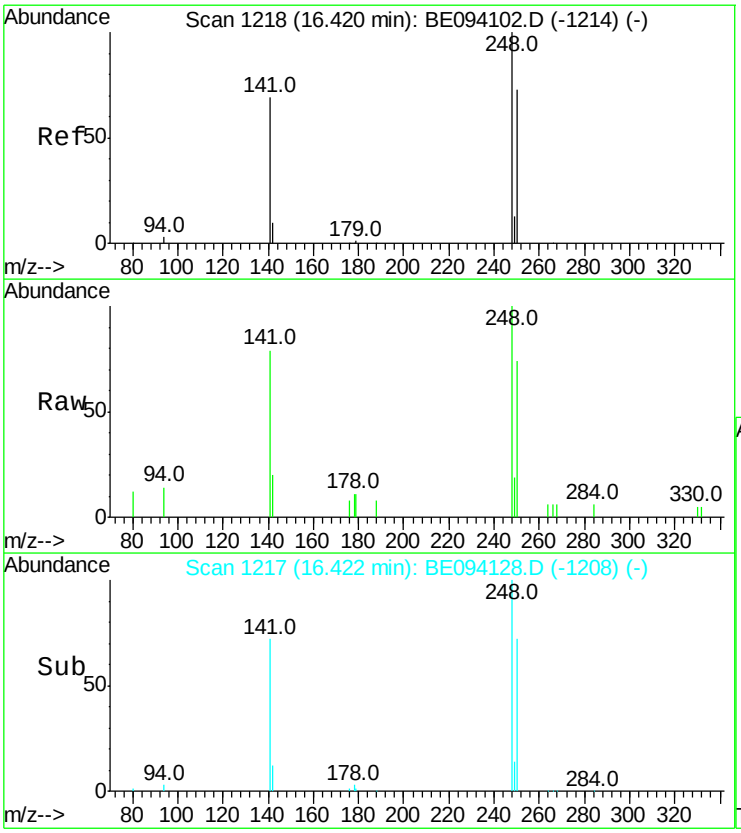
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:188 Resp: 13391

Ion	Ratio	Lower	Upper
188	100		
94	5.8	3.9	5.9
80	5.5	3.6	5.4#

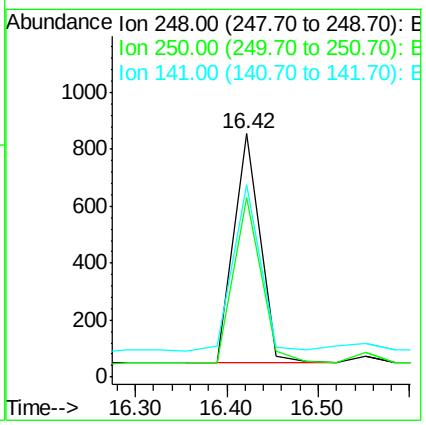


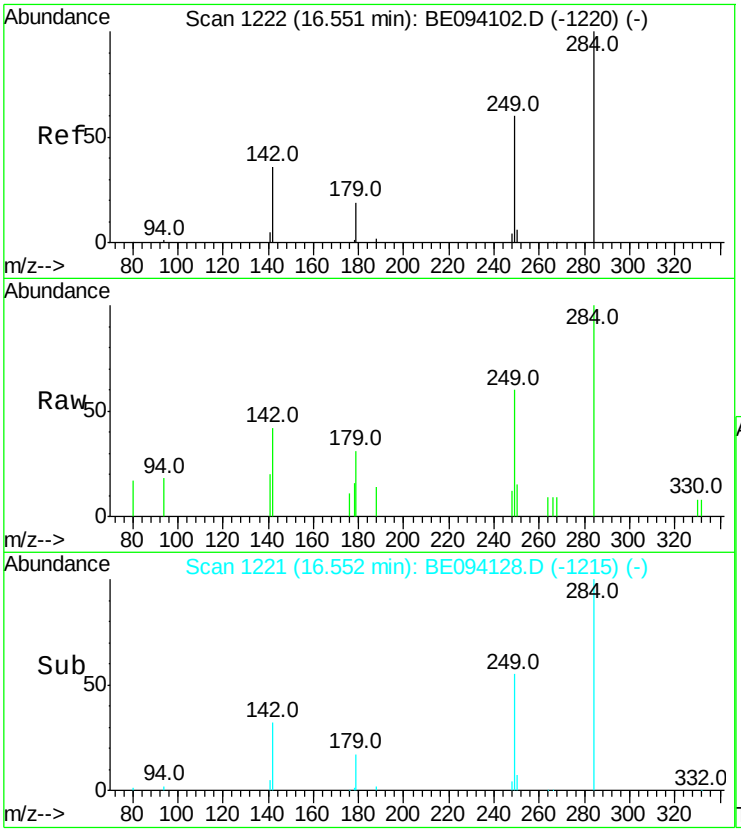


#20
4-Bromophenyl-phenylether
Concen: 0.299 ng
RT: 16.42 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:248 Resp: 1643

Ion	Ratio	Lower	Upper
248	100		
250	73.9	62.7	94.1
141	79.0	48.2	72.2#



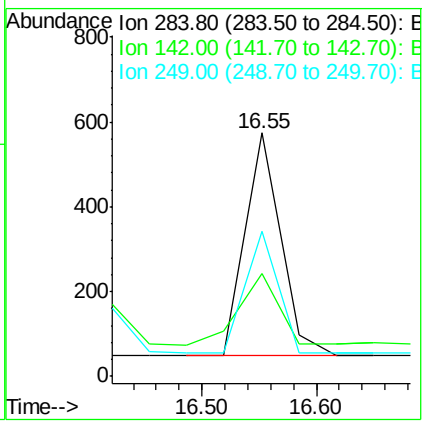


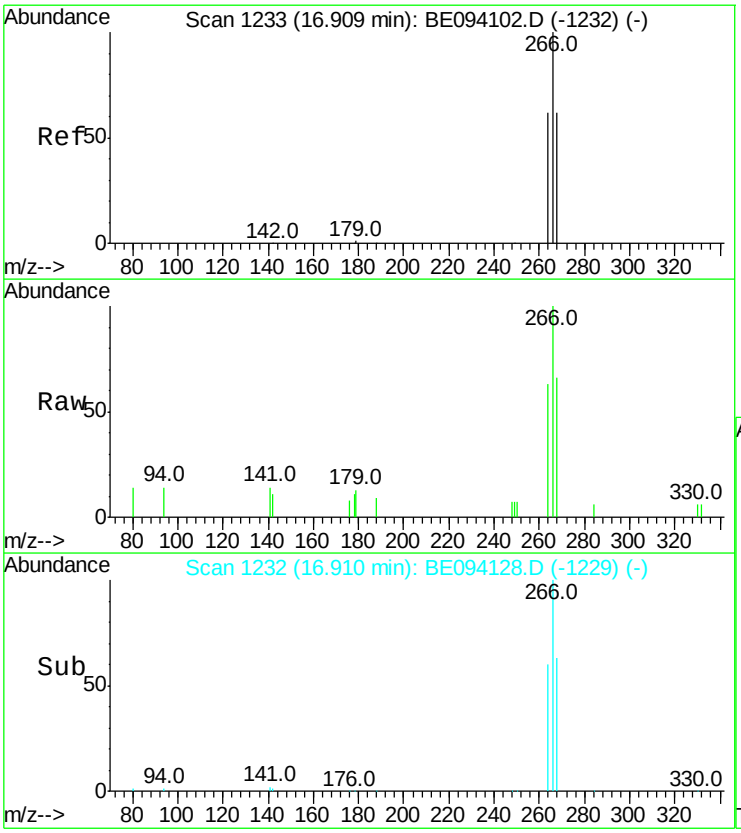
#21
Hexachlorobenzene
Concen: 0.326 ng
RT: 16.55 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:284 Resp: 1132

Ion	Ratio	Lower	Upper
284	100		
142	35.2	22.1	33.1#
249	50.1	34.8	52.2

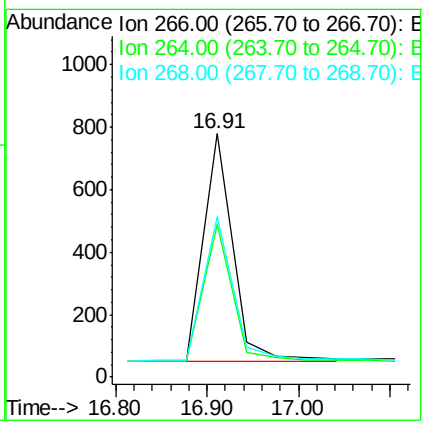


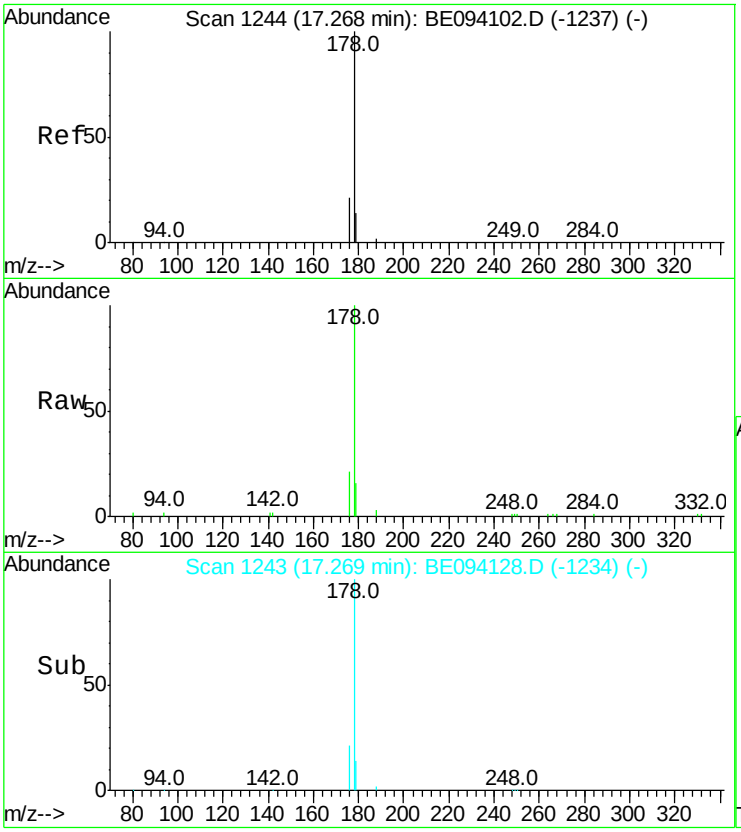


#22
Pentachlorophenol
Concen: 0.504 ng
RT: 16.91 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:266 Resp: 1602

Ion	Ratio	Lower	Upper
266	100		
264	62.9	72.5	108.7#
268	66.0	73.8	110.6#



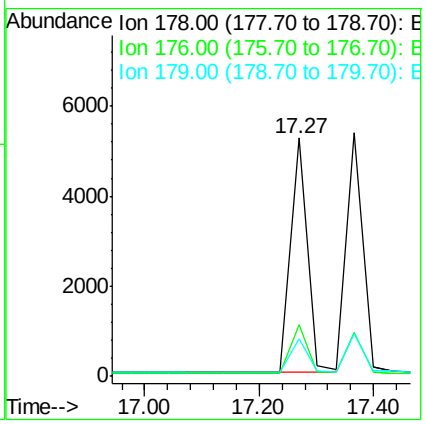


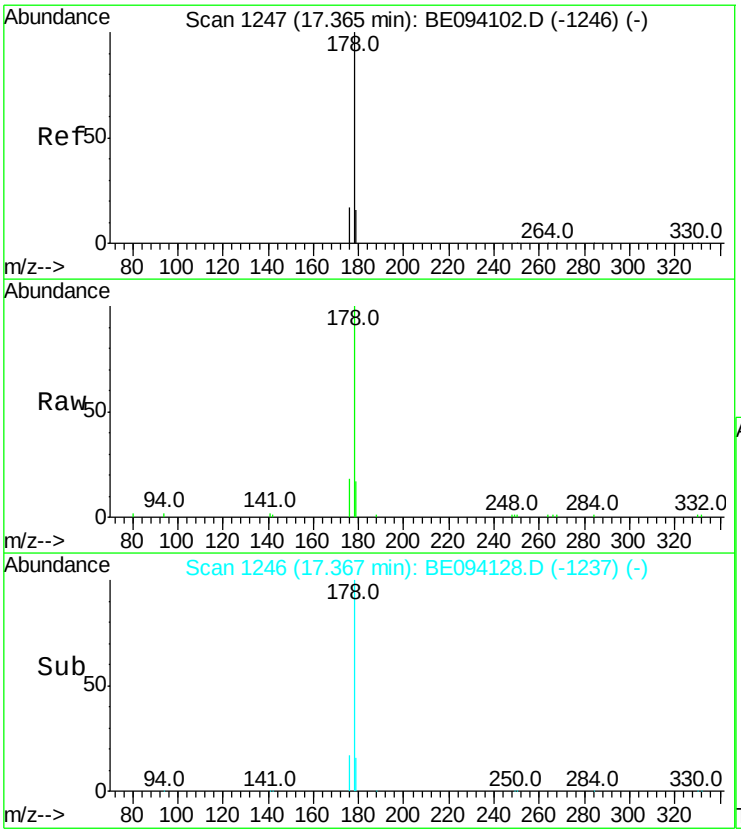
#23
Phenanthrene
Concen: 0.312 ng
RT: 17.27 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:178 Resp: 10682

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.1	22.7
179	14.2	11.8	17.6

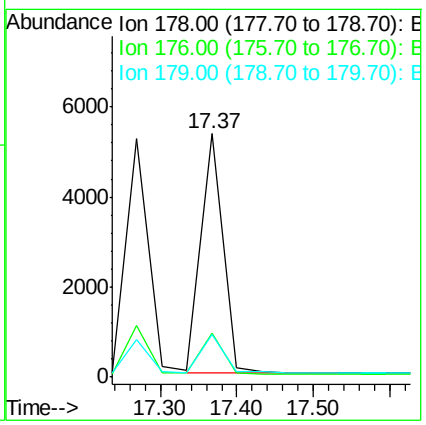


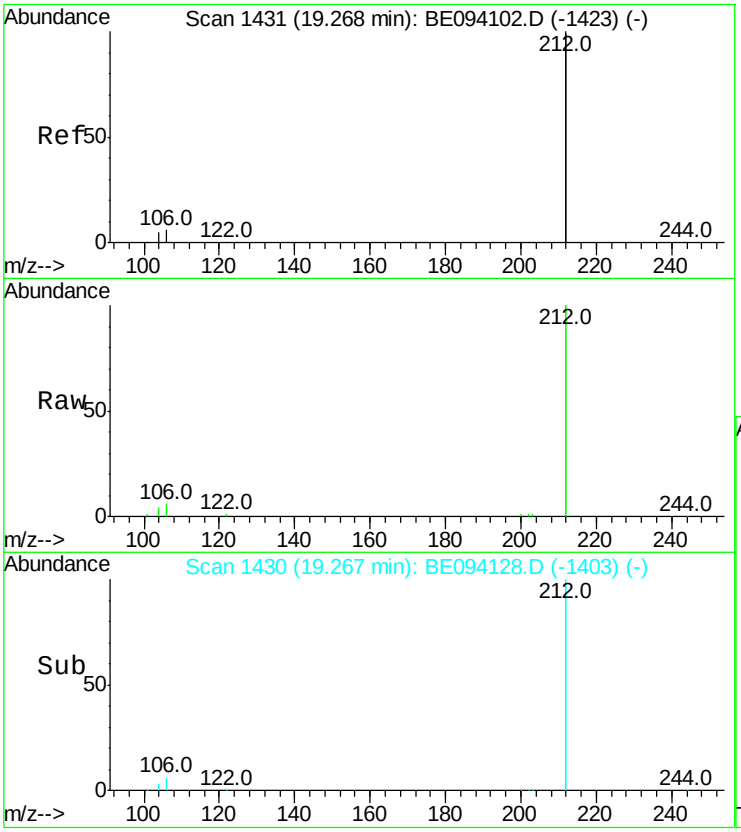


#24
Anthracene
Concen: 0.298 ng
RT: 17.37 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:178 Resp: 10703

Ion	Ratio	Lower	Upper
178	100		
176	17.1	12.8	19.2
179	16.1	13.0	19.6



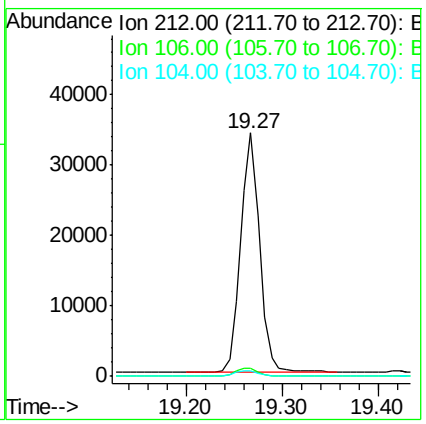


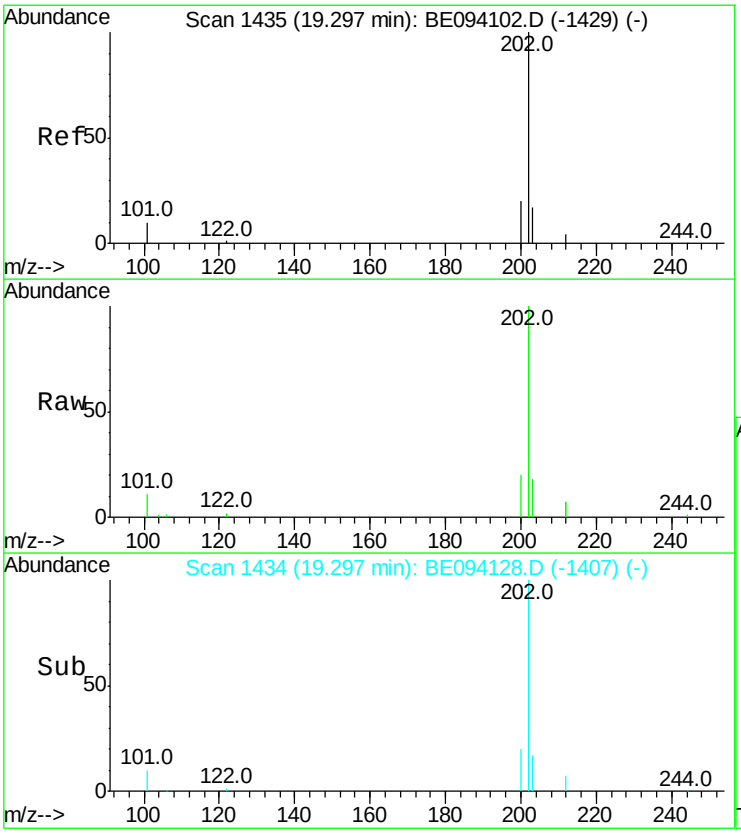
#25
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.27 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:212 Resp: 46902

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.4	1.6	2.4

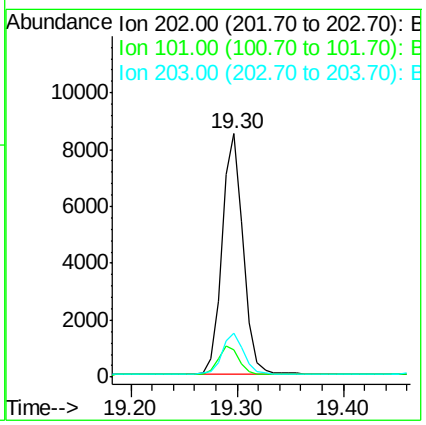


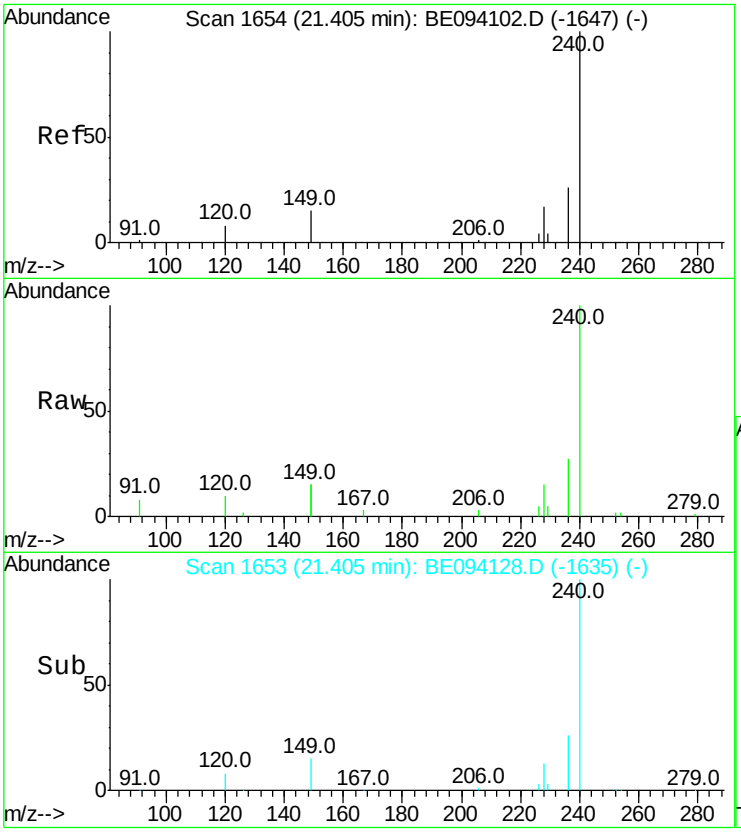


#26
Fluoranthene
Concen: 0.305 ng
RT: 19.30 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:202 Resp: 11698

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
203	17.3	13.7	20.5



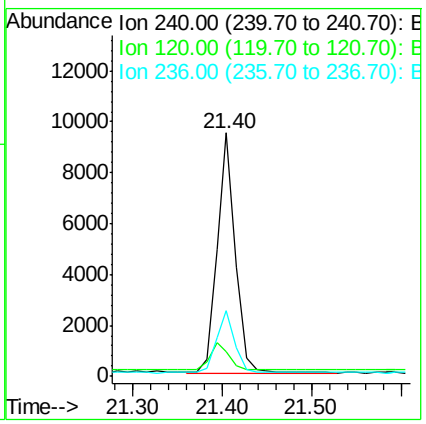


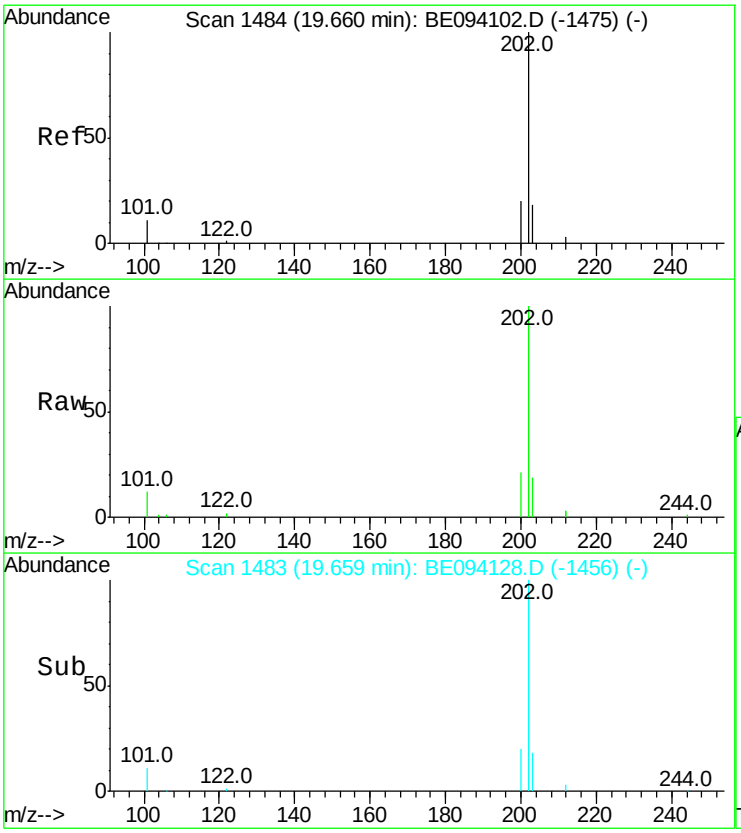
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:240 Resp: 13235

Ion	Ratio	Lower	Upper
240	100		
120	10.4	5.5	8.3#
236	27.2	20.7	31.1

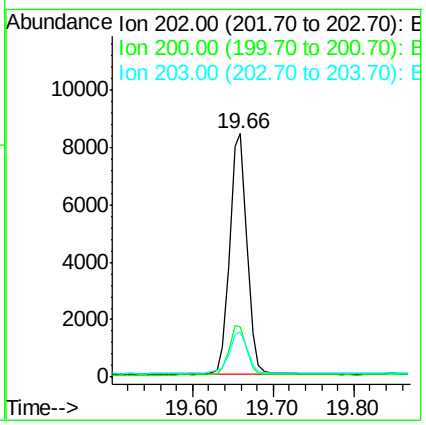


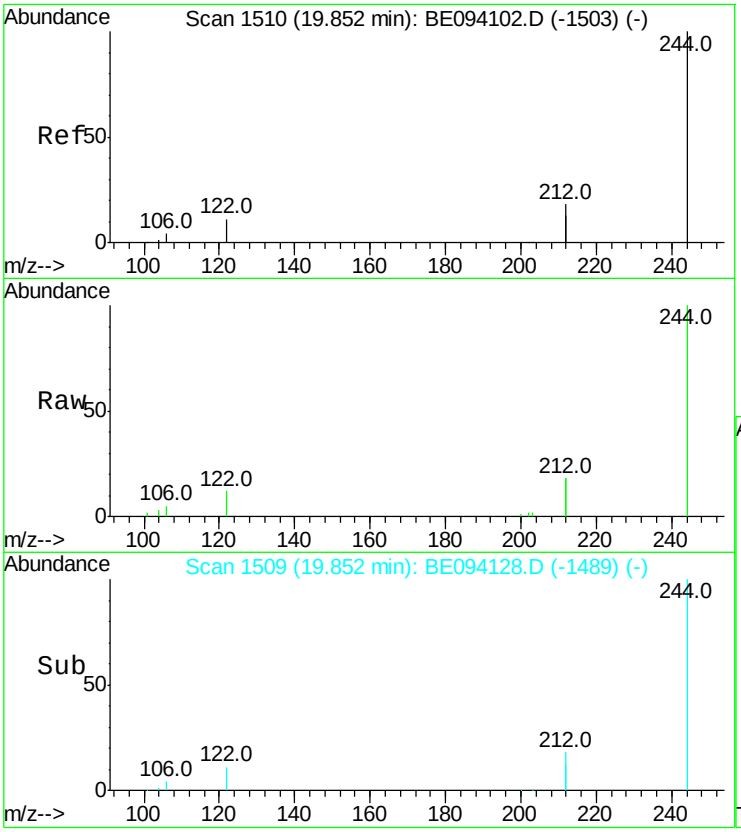


#28
Pyrene
Concen: 0.296 ng
RT: 19.66 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:202 Resp: 12411

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	18.6	13.8	20.8



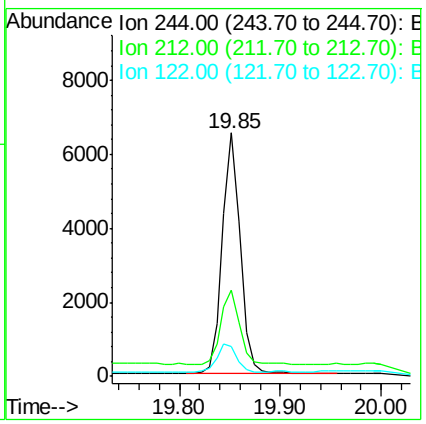


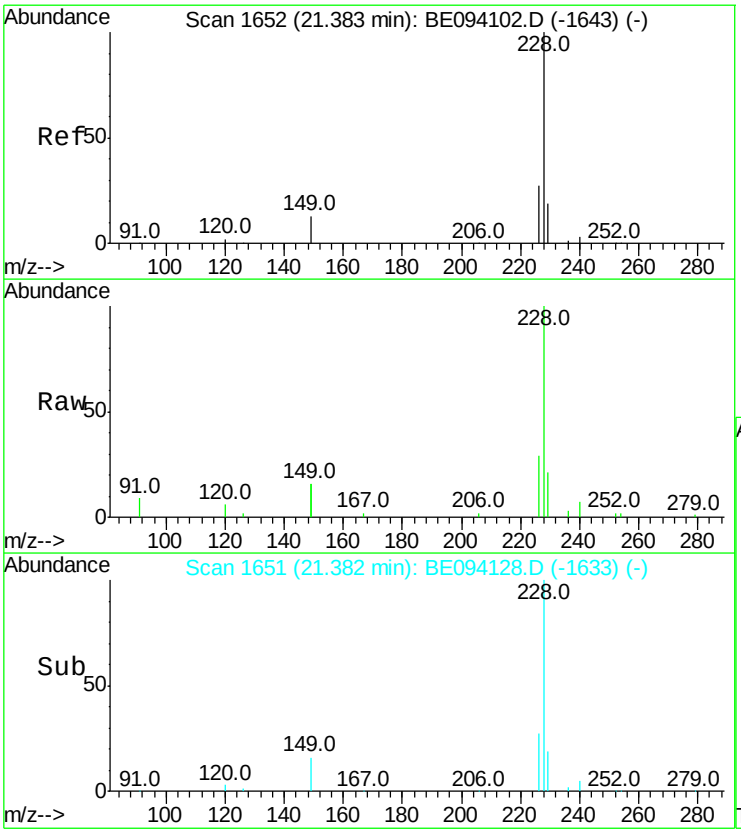
#29
Terphenyl-d14
Concen: 0.333 ng
RT: 19.85 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:244 Resp: 8046

Ion	Ratio	Lower	Upper
244	100		
212	35.6	25.4	38.0
122	12.2	8.1	12.1#

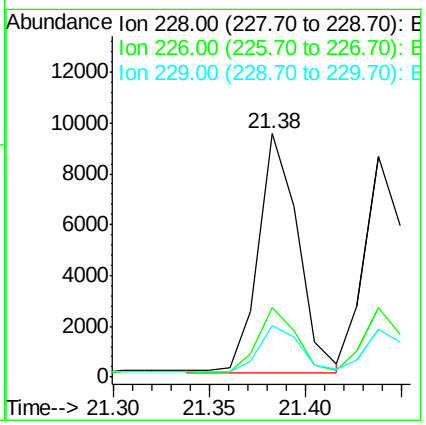


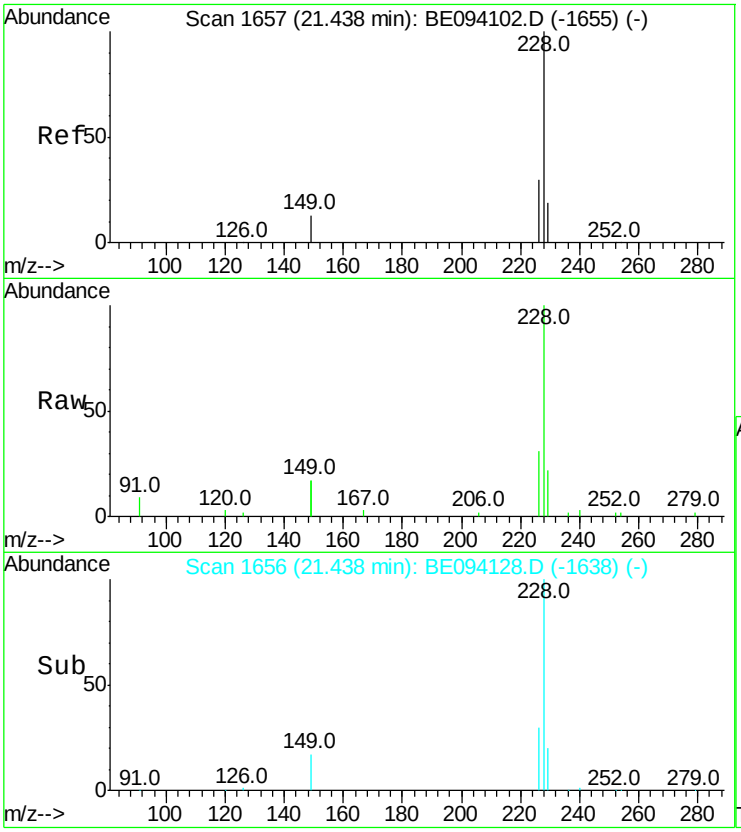


#30
Benzo(a)anthracene
Concen: 0.305 ng
RT: 21.38 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:228 Resp: 13596

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.0
229	21.1	16.4	24.6



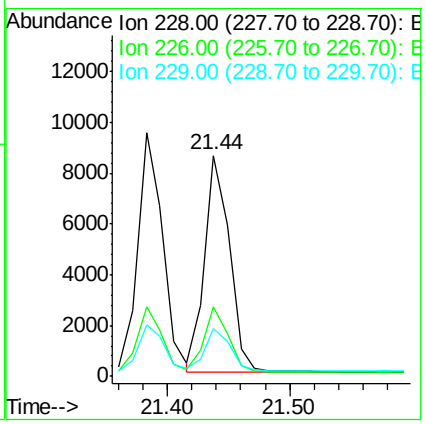


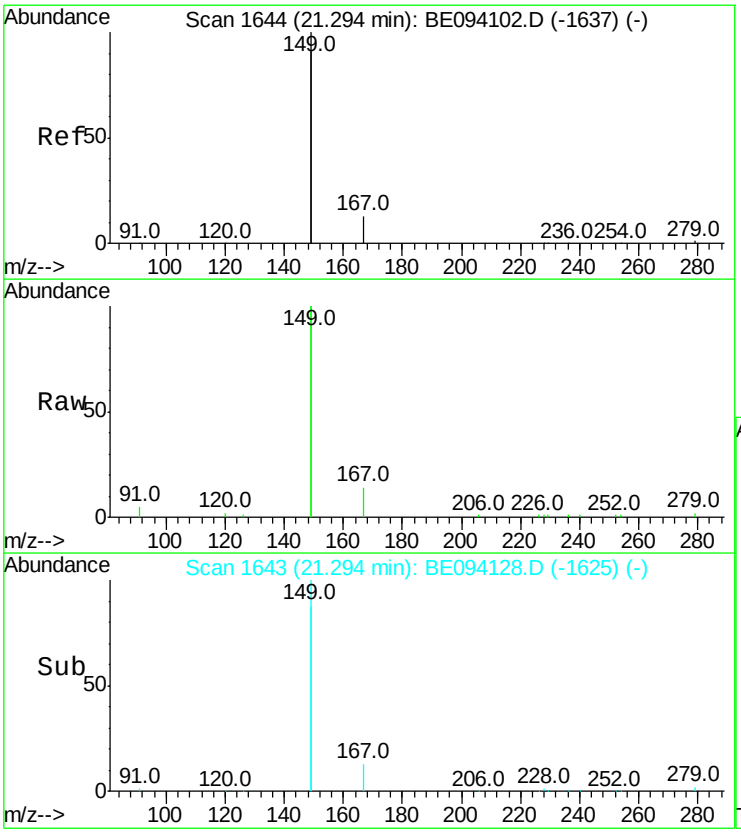
#31
Chrysene
Concen: 0.282 ng
RT: 21.44 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:228 Resp: 12123

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.6	35.4
229	21.7	16.4	24.6

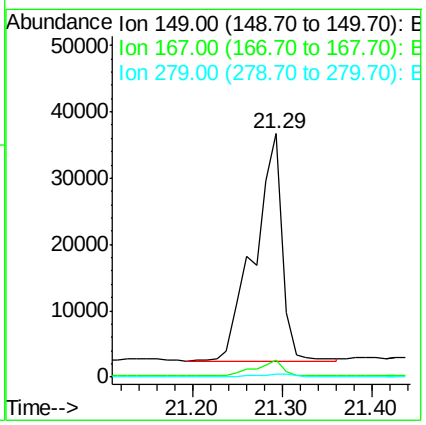


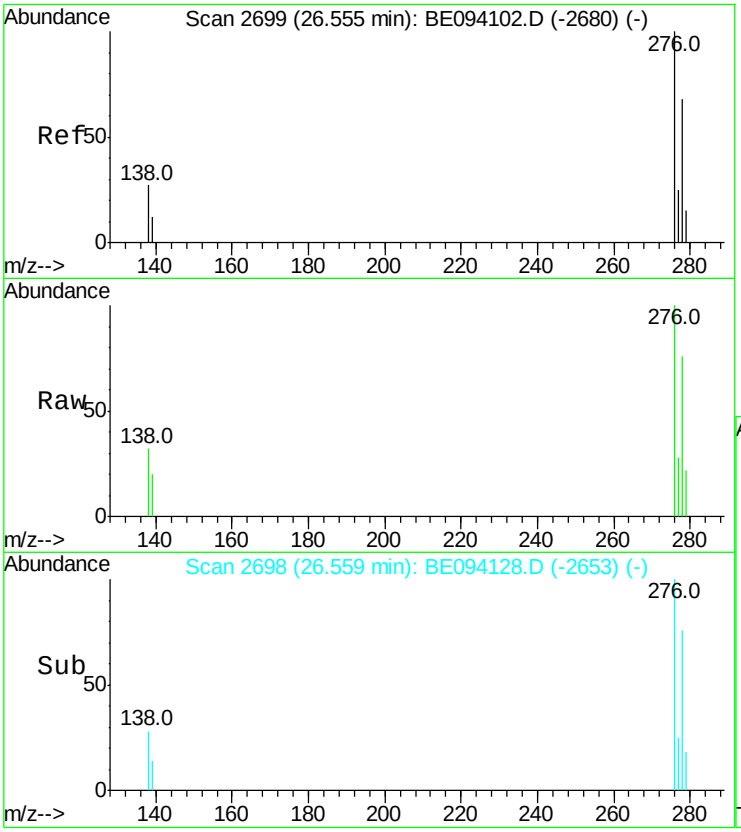


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.444 ng
RT: 21.29 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:149 Resp: 74219

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.8	0.7	1.1



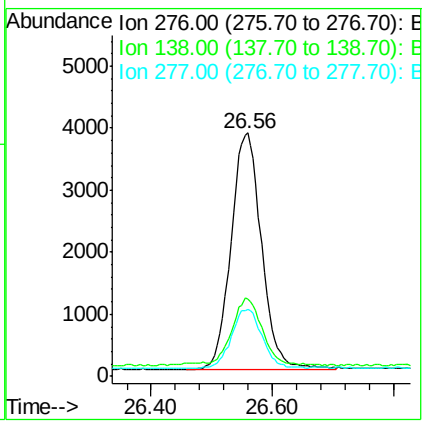


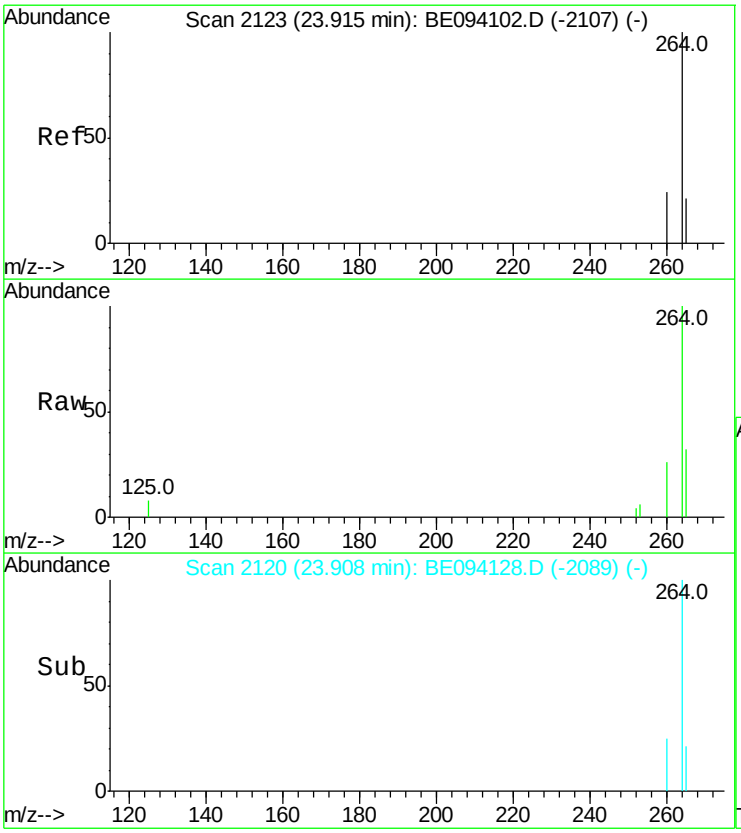
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.289 ng
RT: 26.56 min Scan# 2698
Delta R.T. 0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:276 Resp: 13304

Ion	Ratio	Lower	Upper
276	100		
138	27.2	22.5	33.7
277	24.8	19.9	29.9

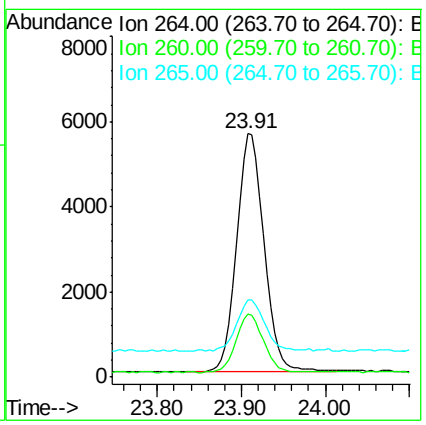


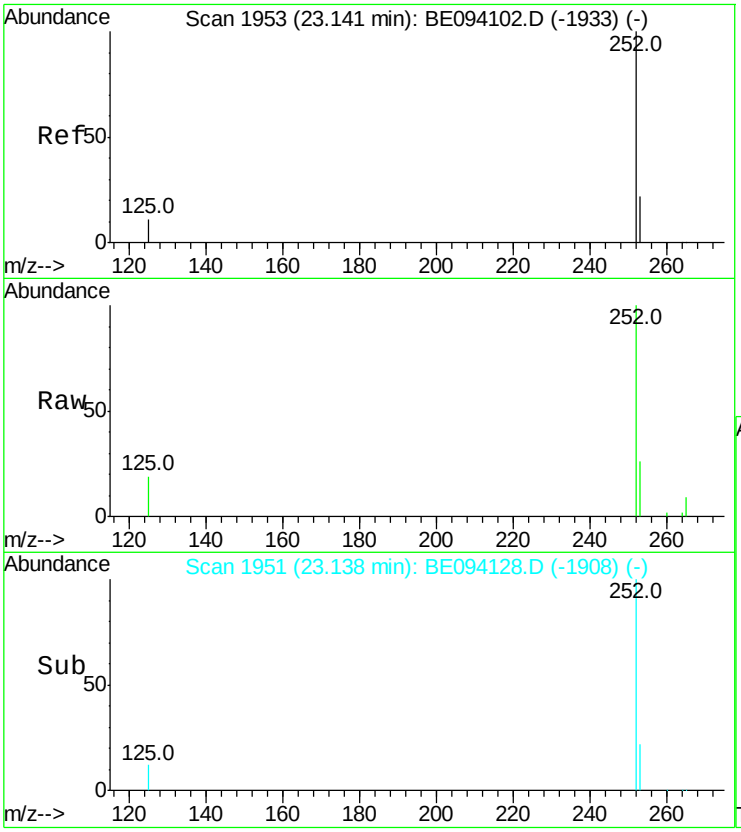


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:264 Resp: 12648

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	31.5	22.8	34.2



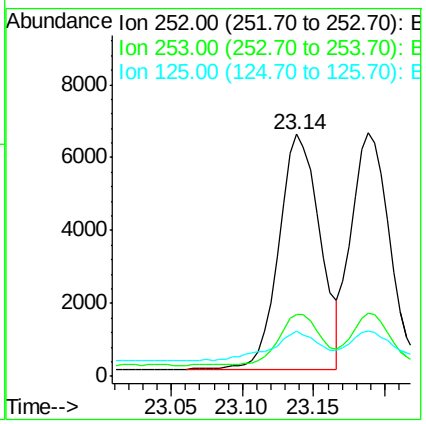


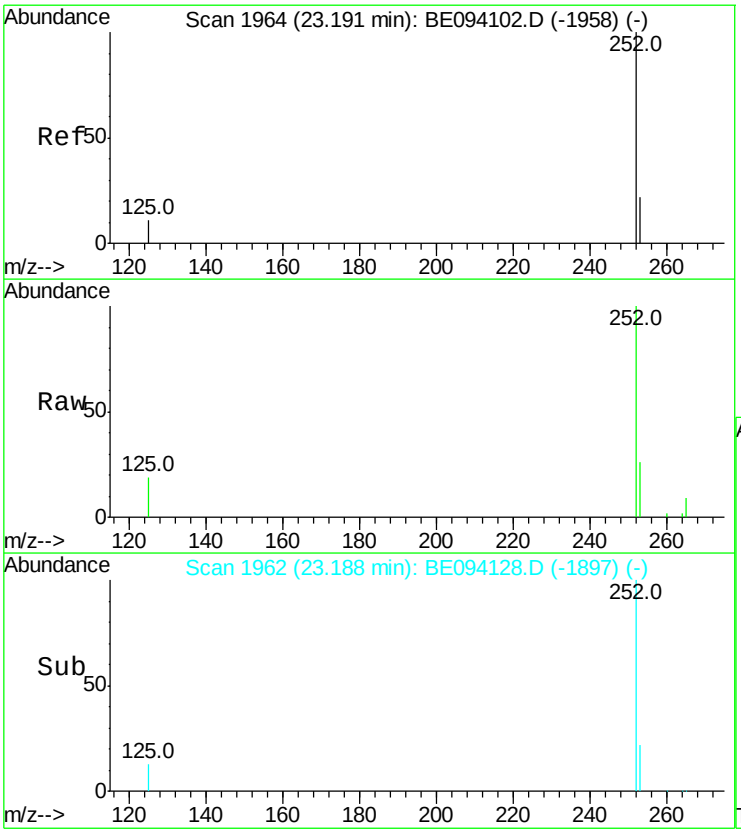
#35
Benzo(b)fluoranthene
Concen: 0.281 ng
RT: 23.14 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:252 Resp: 12818

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	18.6	10.1	15.1#

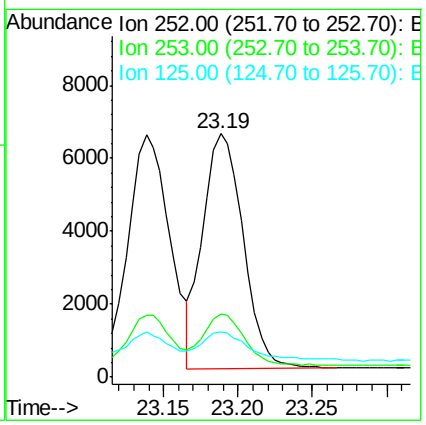


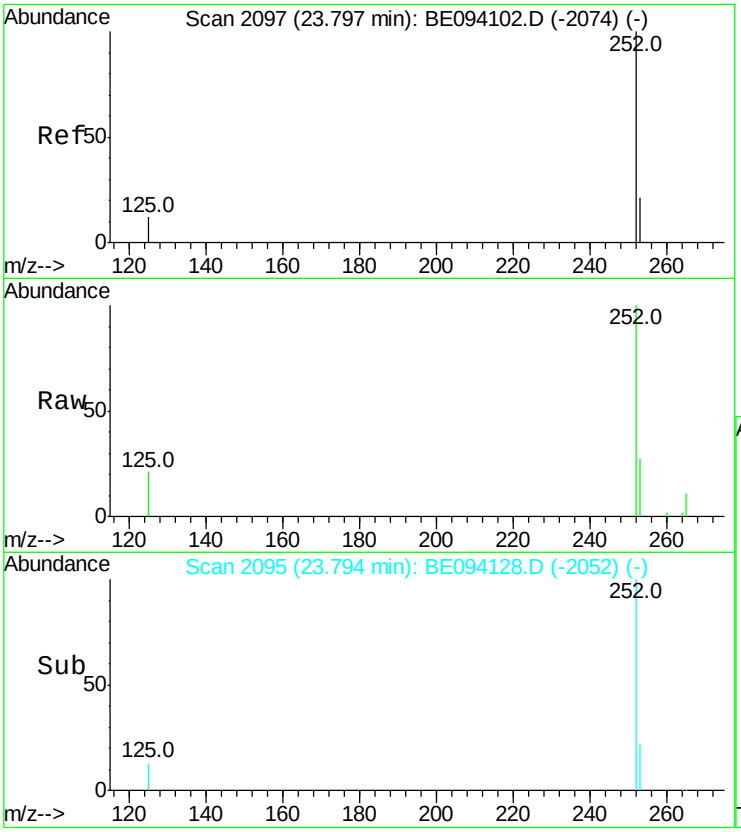


#36
Benzo(k)fluoranthene
Concen: 0.278 ng
RT: 23.19 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:252 Resp: 12158

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.6	27.8
125	18.7	10.7	16.1#



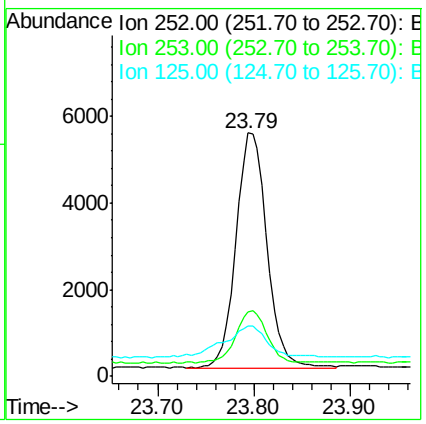


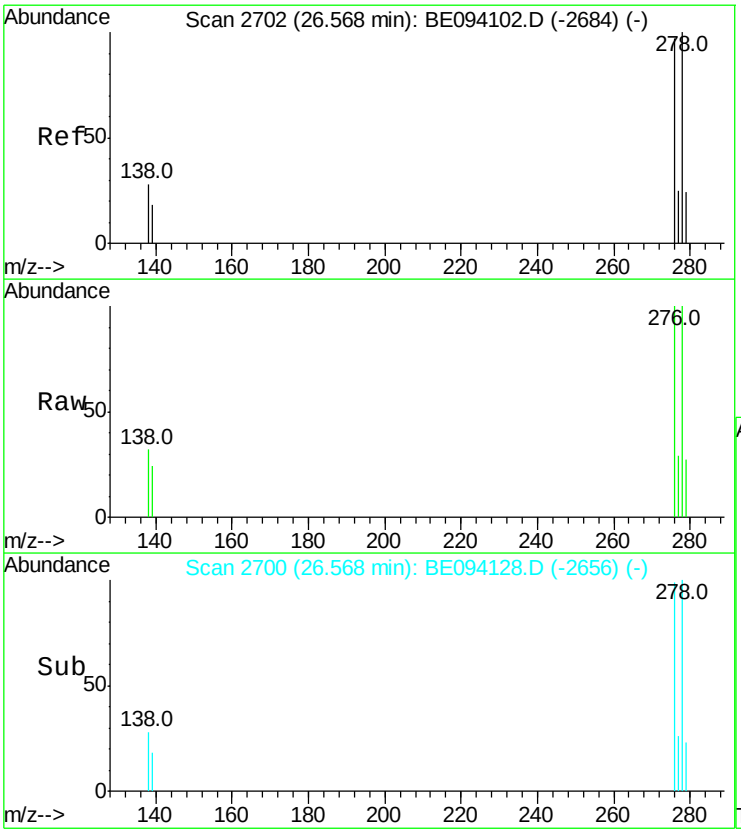
#37
Benzo(a)pyrene
Concen: 0.292 ng
RT: 23.79 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:252 Resp: 12026

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.0	28.6
125	20.6	11.8	17.8#

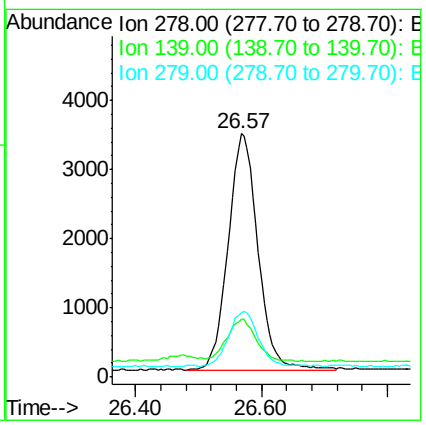


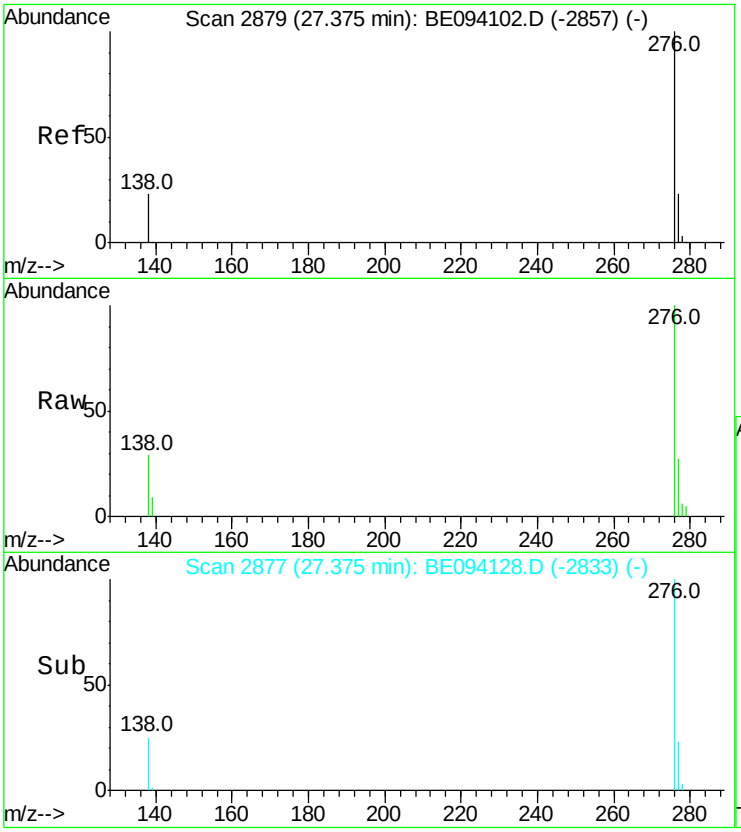


#38
Dibenzo(a,h)anthracene
Concen: 0.285 ng
RT: 26.57 min Scan# 2700
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Tgt Ion:278 Resp: 11143

Ion	Ratio	Lower	Upper
278	100		
139	23.7	16.3	24.5
279	26.7	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.290 ng
RT: 27.37 min Scan# 2877
Delta R.T. -0.00 min
Lab File: BE094128.D
Acq: 26 Sep 2017 14:47

Instrument :
BNA_E
ClientSampleId :
PB102616BS

Tgt Ion:276 Resp: 11229

Ion	Ratio	Lower	Upper
276	100		
277	26.9	20.8	31.2
138	29.4	21.5	32.3