Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
Data File : BE094136.D
Acq On : 28 Sep 2017 18:51
Operator : SJ/JU
Sample : PB102676BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 29 01:48:50 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	1993	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	8633	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4501	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	15070	0.40	ng		0.00
27) Chrysene-d12	21.40	240	15182	0.40	ng		0.00
34) Perylene-d12	23.91	264	14526	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	2078	0.28	ng		0.00
5) Phenol-d6	7.09	99	2756	0.26	ng		0.00
8) Nitrobenzene-d5	9.06	82	2406	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	4218	0.32	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	473	0.16	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	5332	0.36	ng		0.00
25) Fluoranthene-d10	19.27	212	48998	0.34	ng		0.00
29) Terphenyl-d14	19.85	244	8365	0.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	892	0.230	ng	#	9
3) n-Nitrosodimethylamine	3.74	42	1420	0.286	ng	#	81
6) bis(2-Chloroethyl)ether	7.33	93	2292	0.282	ng		88
9) Naphthalene	10.74	128	29932	0.307	ng		100
10) Hexachlorobutadiene	11.03	225	1132	0.310	ng		97
12) 2-Methylnaphthalene	12.35	142	4724	0.299	ng		98
16) Acenaphthylene	14.23	152	6564	0.291	ng		99
17) Acenaphthene	14.57	154	4398	0.312	ng		98
18) Fluorene	15.56	166	5596	0.292	ng		98
20) 4-Bromophenyl-phenylether	16.42	248	1786	0.289	ng	#	81
21) Hexachlorobenzene	16.55	284	1347	0.345	ng	#	87
22) Pentachlorophenol	16.91	266	1291	0.361	ng	#	73
23) Phenanthrene	17.27	178	12288	0.319	ng		98
24) Anthracene	17.37	178	12506	0.309	ng		97
26) Fluoranthene	19.30	202	13435	0.311	ng		99
28) Pyrene	19.66	202	13925	0.289	ng		99
30) Benzo(a)anthracene	21.38	228	15049	0.294	ng		98
31) Chrysene	21.44	228	14684	0.298	ng		98
33) Indeno(1,2,3-cd)pyrene	26.56	276	15442	0.292	ng		99
35) Benzo(b)fluoranthene	23.14	252	14503	0.277	ng		97
36) Benzo(k)fluoranthene	23.19	252	14962	0.298	ng		98
37) Benzo(a)pyrene	23.80	252	14225	0.300	ng		98
38) Dibenzo(a,h)anthracene	26.57	278	12914	0.288	ng		99
39) Benzo(g,h,i)perylene	27.38	276	12995	0.293	ng		99

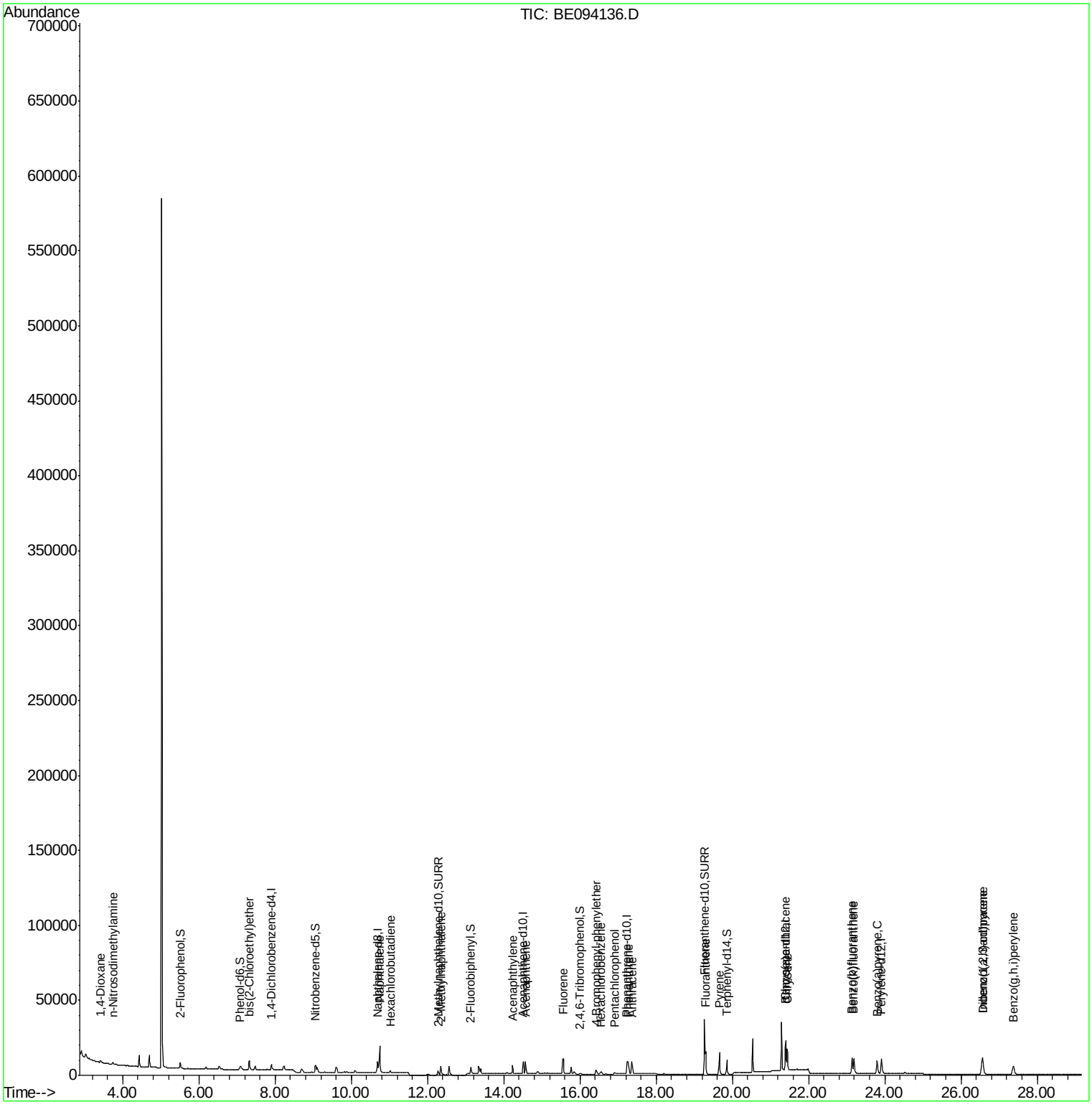
(#) = qualifier out of range (m) = manual integration (+) = signals summed

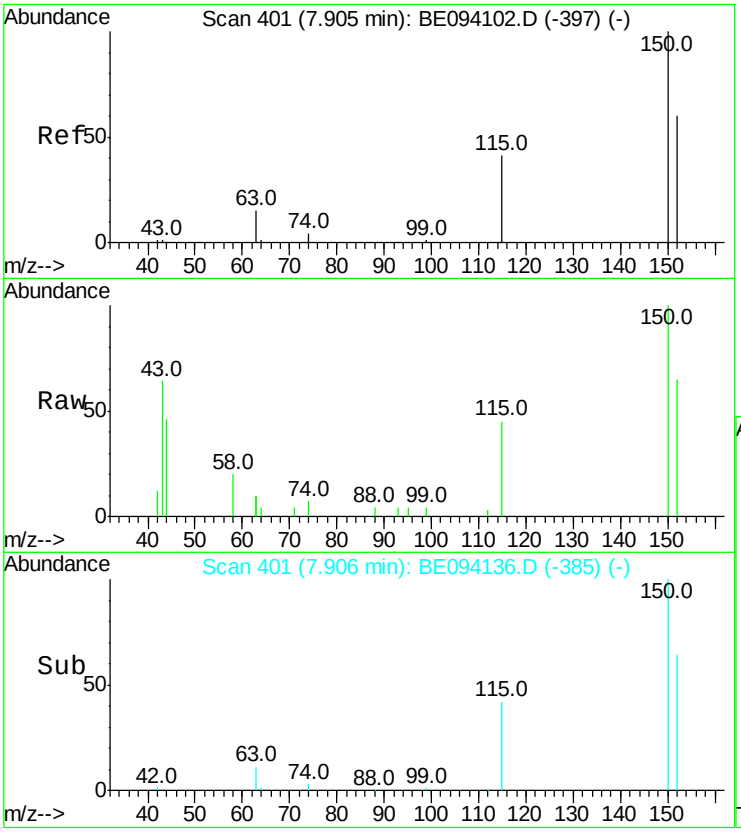
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
Data File : BE094136.D
Acq On : 28 Sep 2017 18:51
Operator : SJ/JU
Sample : PB102676BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 29 01:48:50 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



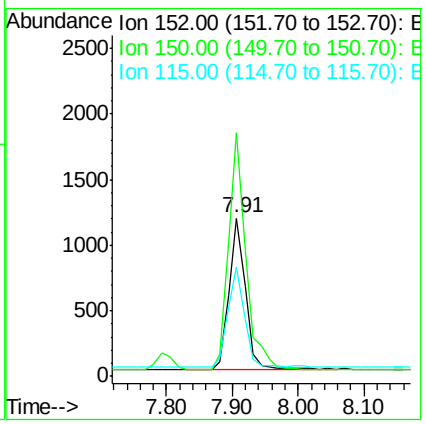


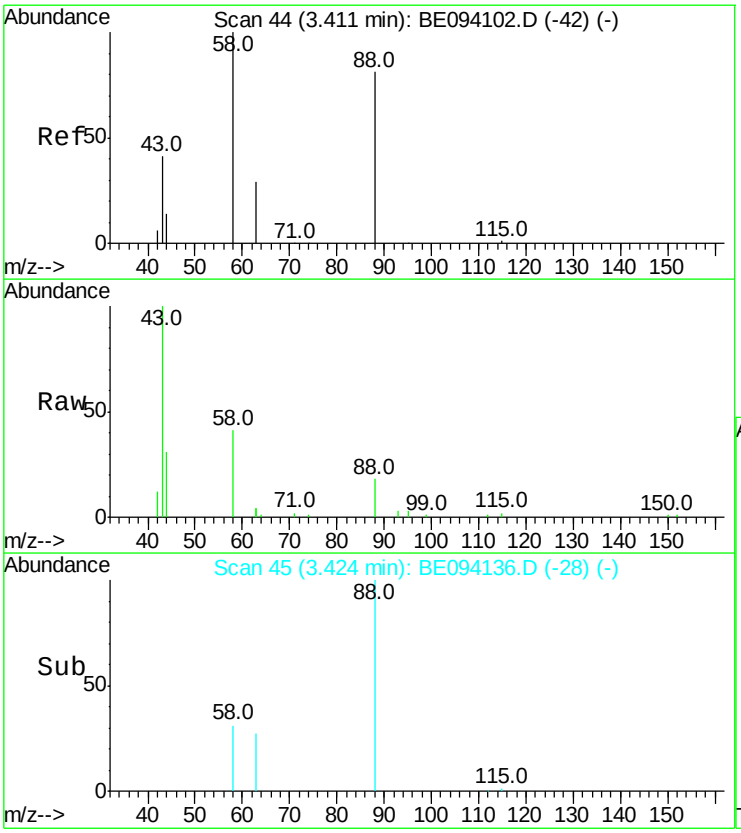
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1993

Ion	Ratio	Lower	Upper
152	100		
150	154.2	117.2	175.8
115	68.9	57.0	85.6

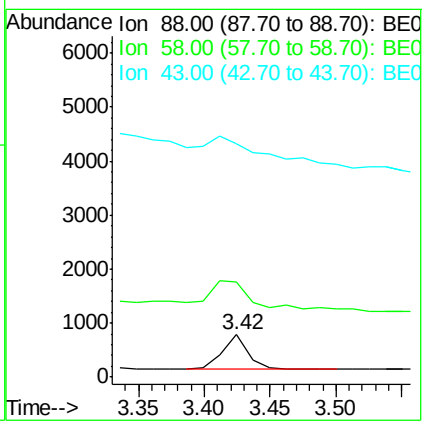


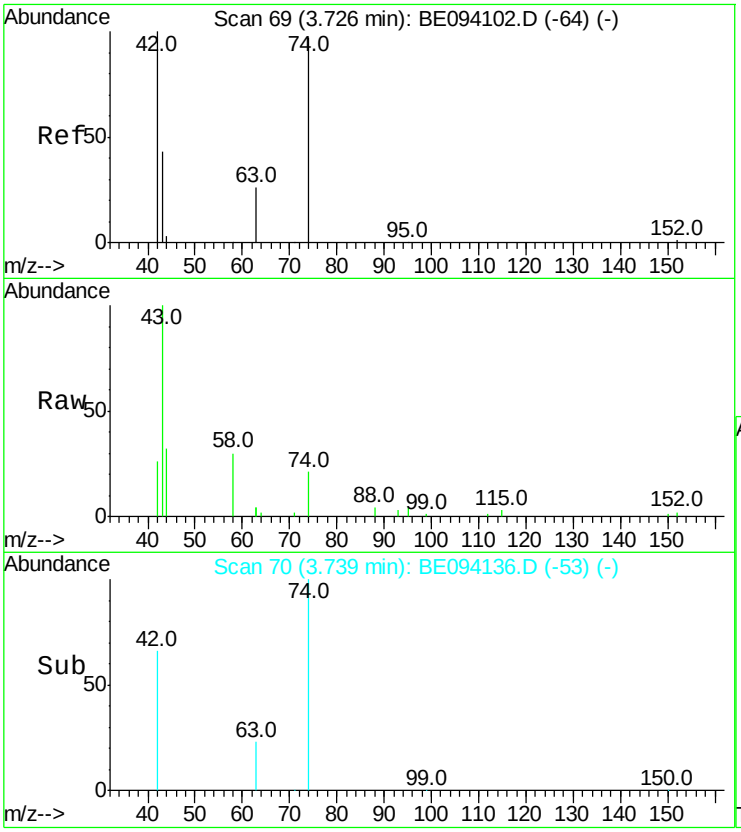


#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion: 88 Resp: 892

Ion	Ratio	Lower	Upper
88	100		
58	168.4	63.2	94.8#
43	0.0	41.2	61.8#



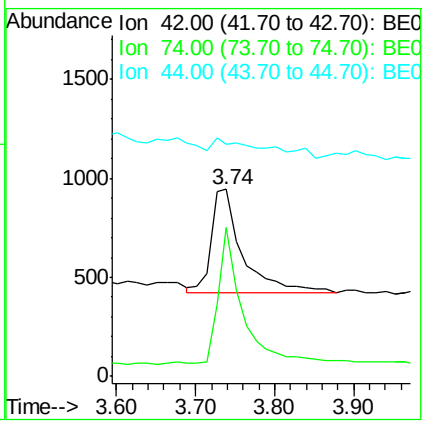


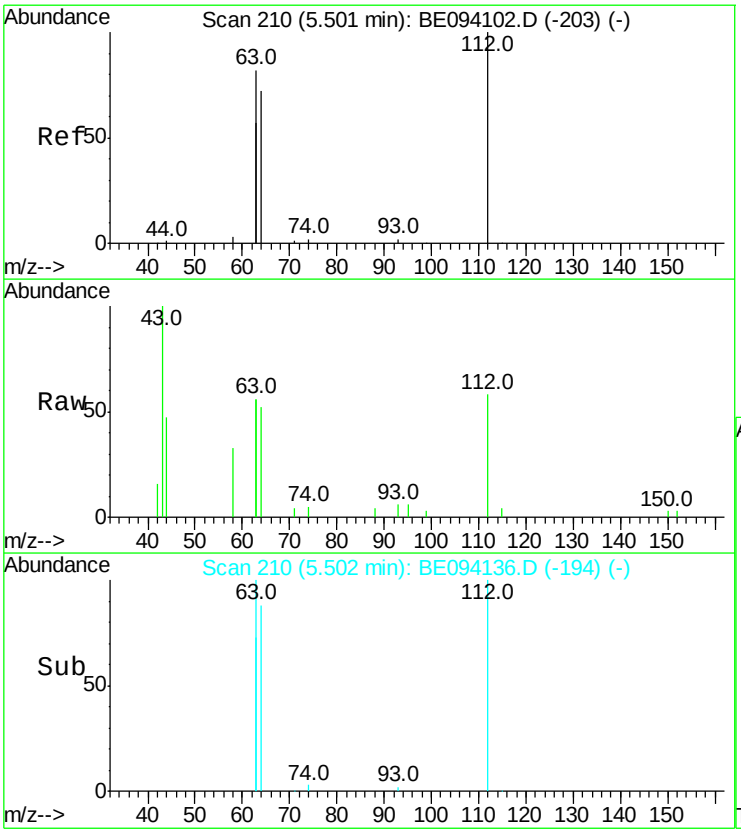
#3
n-Nitrosodimethylamine
Concen: 0.286 ng
RT: 3.74 min Scan# 70
Delta R.T. 0.01 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 1420

Ion	Ratio	Lower	Upper
42	100		
74	101.4	100.3	150.5
44	25.8	17.0	25.4#

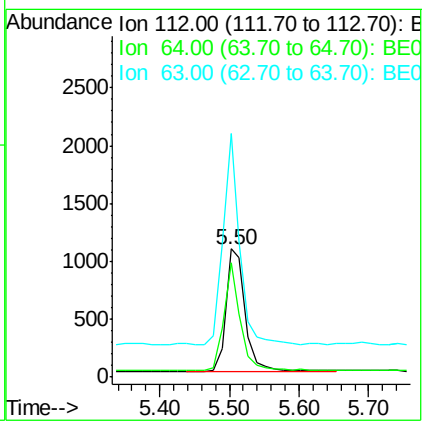


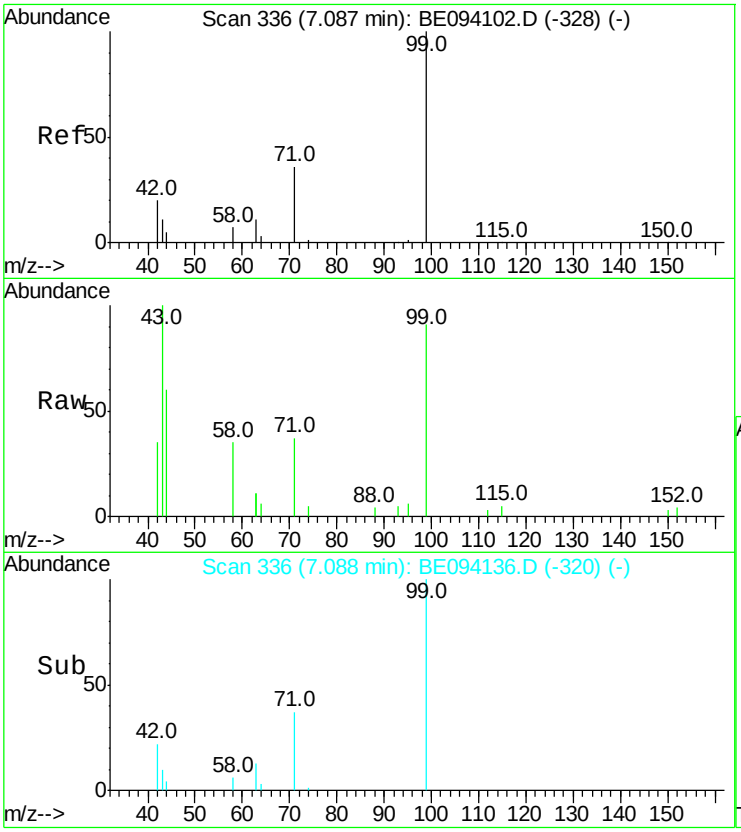


#4
2-Fluorophenol
Concen: 0.275 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:112 Resp: 2078

Ion	Ratio	Lower	Upper
112	100		
64	75.0	60.1	90.1
63	148.6	116.8	175.2



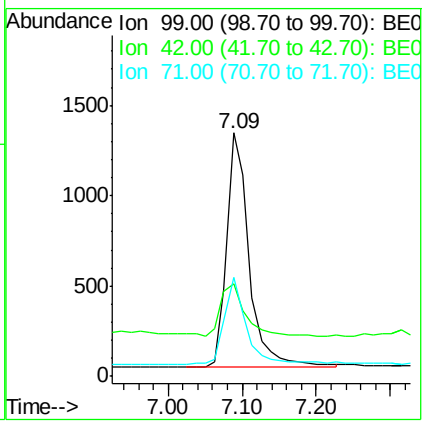


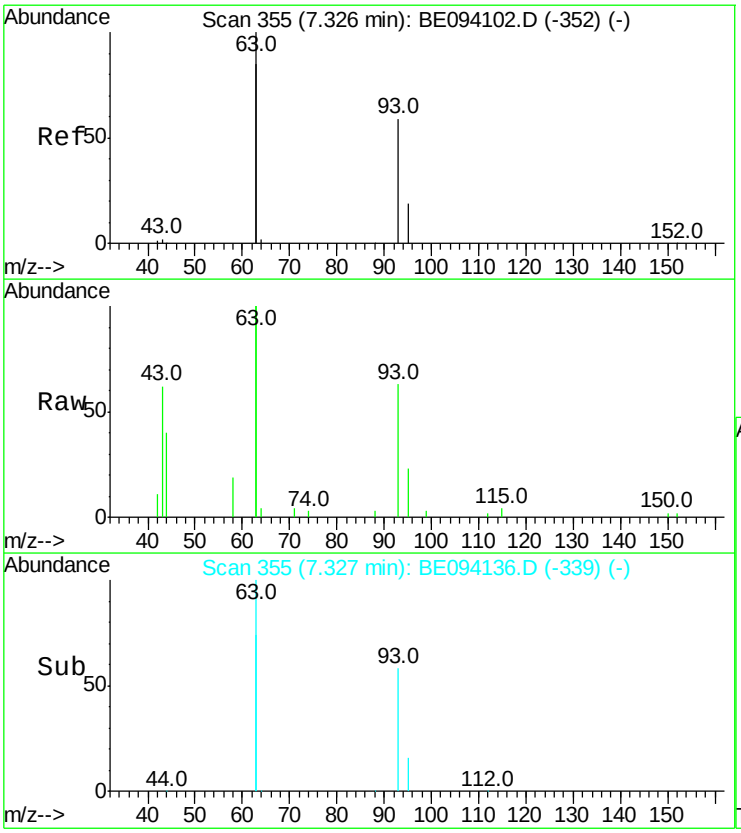
#5
Phenol-d6
Concen: 0.263 ng
RT: 7.09 min Scan# 336
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 2756

Ion	Ratio	Lower	Upper
99	100		
42	24.1	20.2	30.2
71	35.4	28.4	42.6

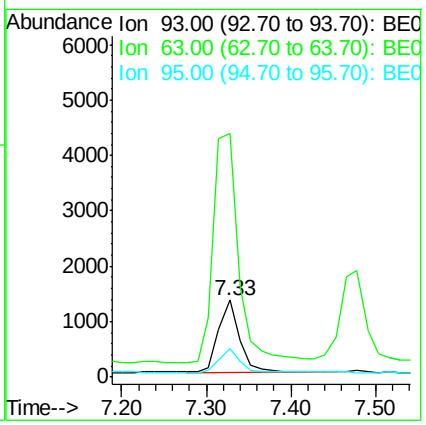


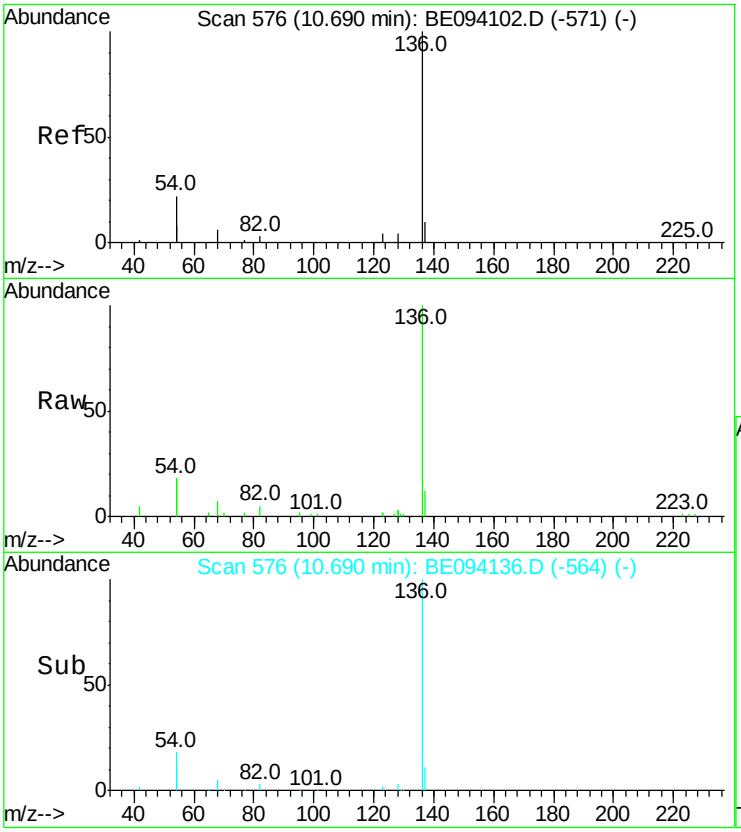


#6
bis(2-Chloroethyl)ether
Concen: 0.282 ng
RT: 7.33 min Scan# 355
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion: 93 Resp: 2292

Ion	Ratio	Lower	Upper
93	100		
63	372.0	275.3	412.9
95	33.6	25.2	37.8



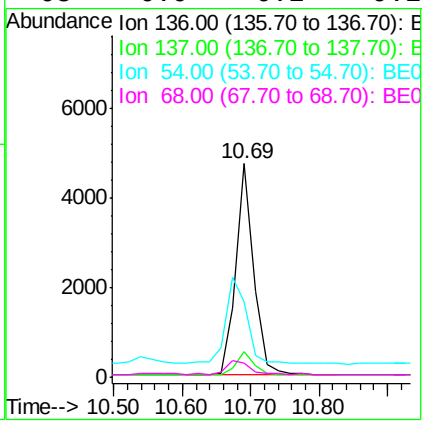


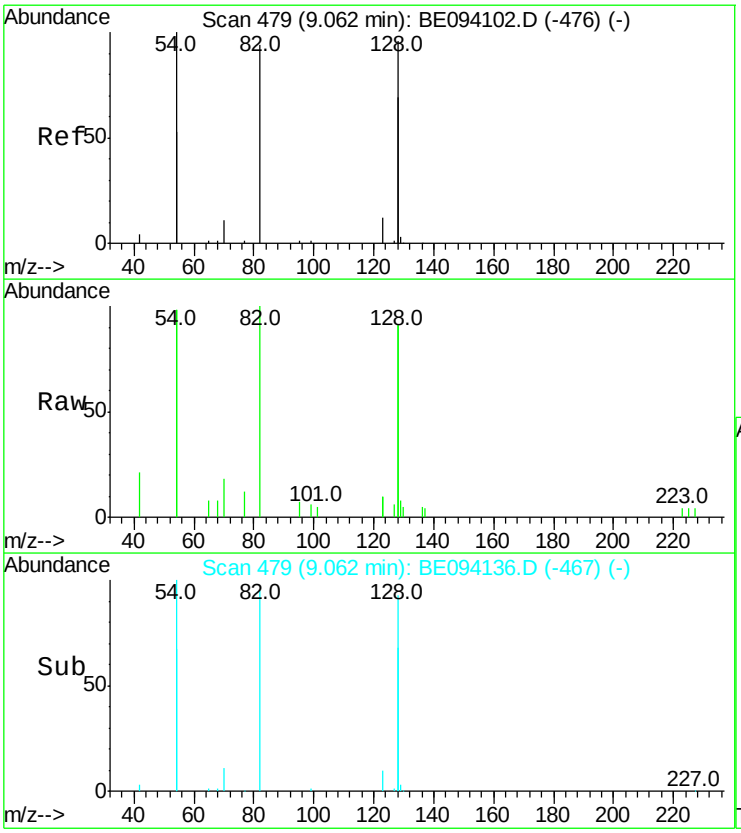
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 8633

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	35.7	29.1	43.7
68	6.9	6.2	9.2

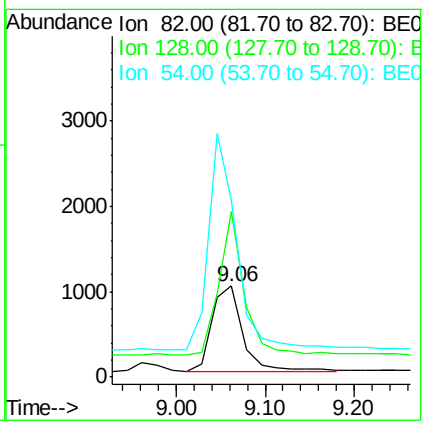


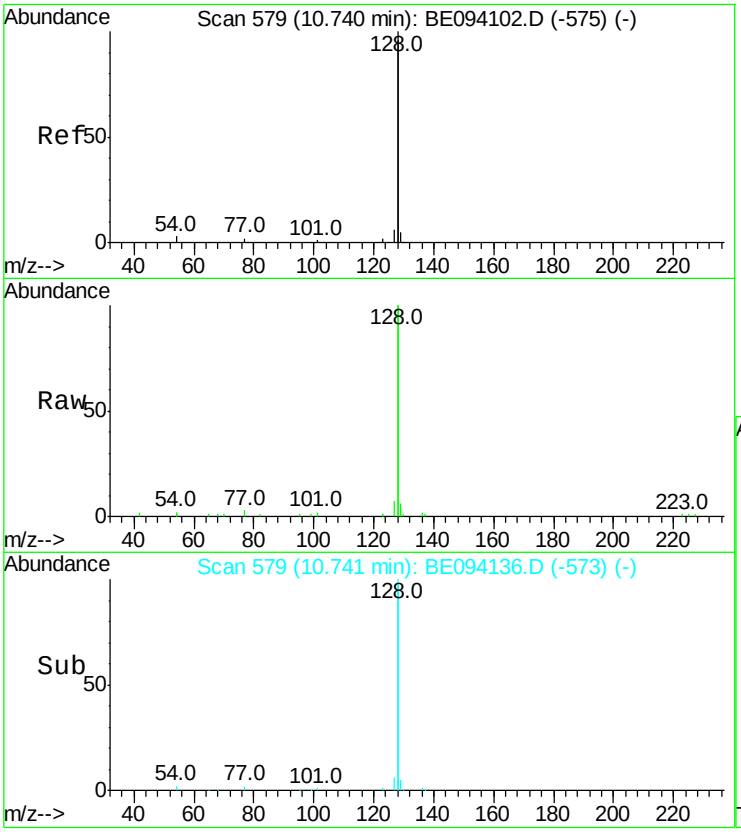


#8
Nitrobenzene-d5
Concen: 0.288 ng
RT: 9.06 min Scan# 479
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion: 82 Resp: 2406

Ion	Ratio	Lower	Upper
82	100		
128	182.3	150.0	225.0
54	195.3	154.2	231.4



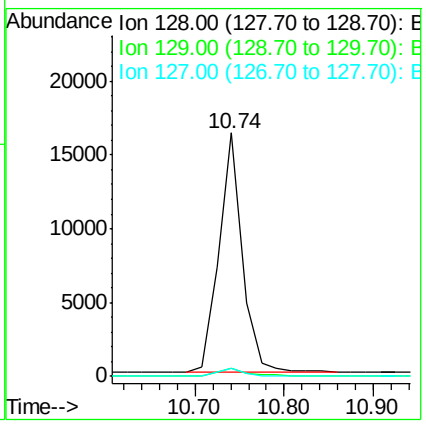


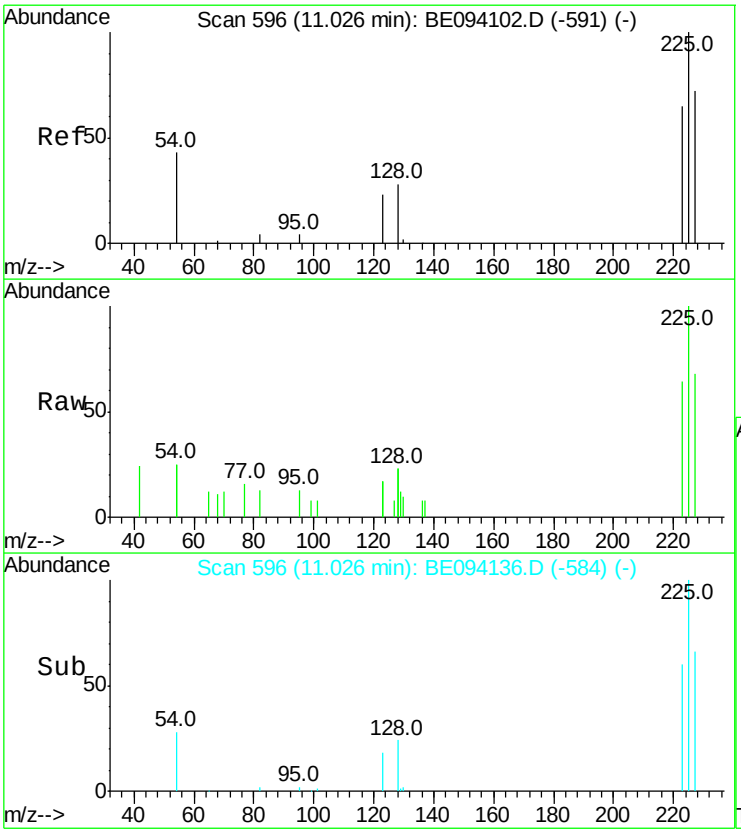
#9
Naphthalene
Concen: 0.307 ng
RT: 10.74 min Scan# 579
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 29932

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.4	2.8	4.2

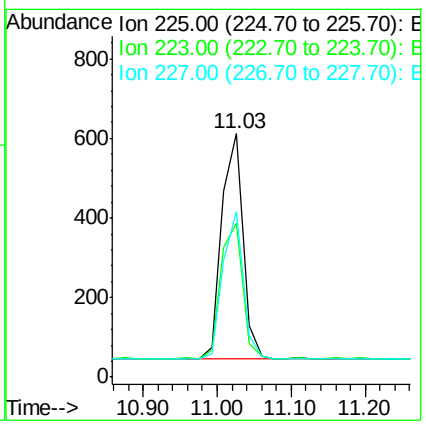


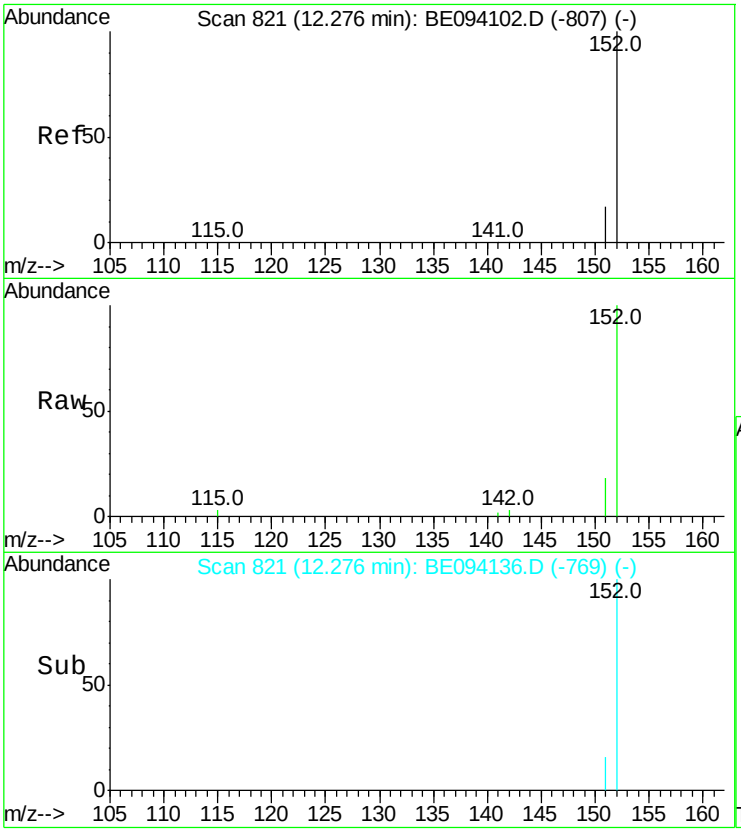


#10
Hexachlorobutadiene
Concen: 0.310 ng
RT: 11.03 min Scan# 596
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:225 Resp: 1132

Ion	Ratio	Lower	Upper
225	100		
223	62.2	53.0	79.6
227	63.8	51.4	77.2



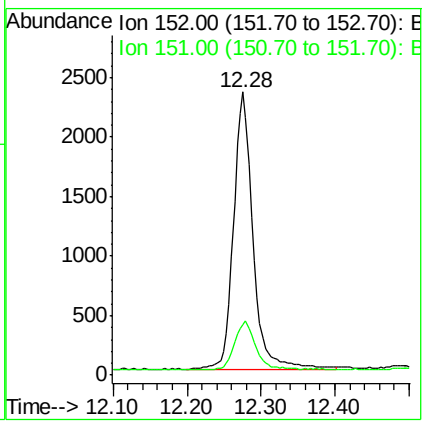


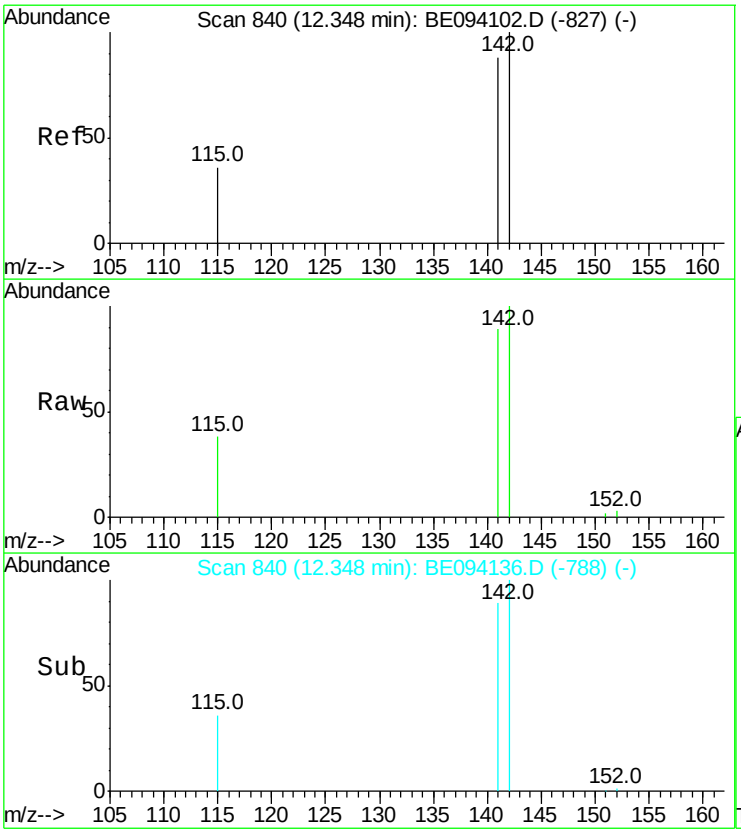
#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.28 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 4218

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.0

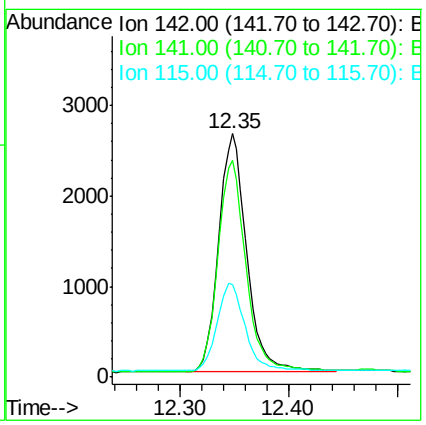


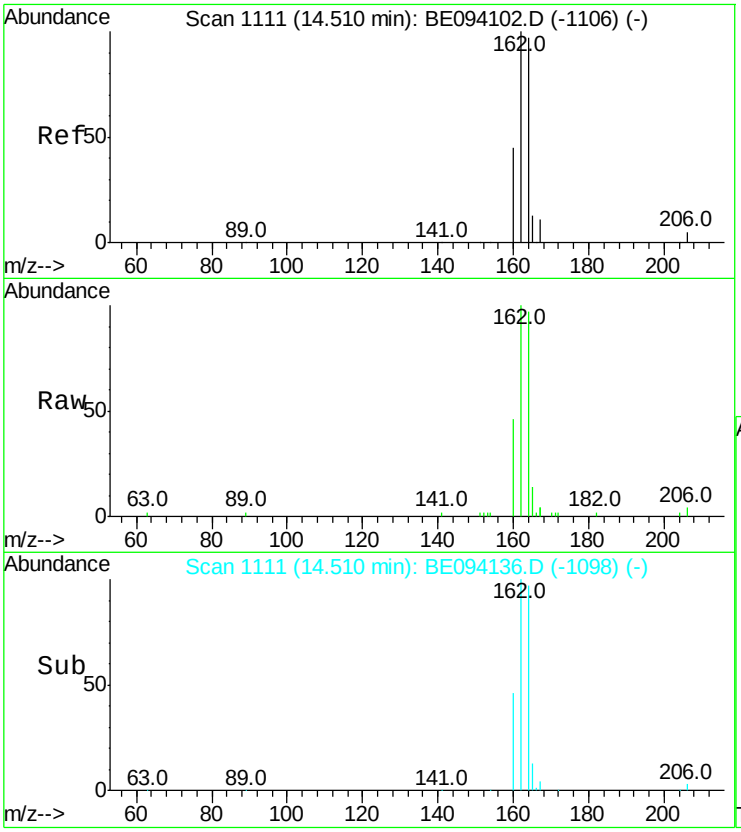


#12
2-Methylnaphthalene
Concen: 0.299 ng
RT: 12.35 min Scan# 840
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:142 Resp: 4724

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.4	105.6
115	37.8	31.7	47.5



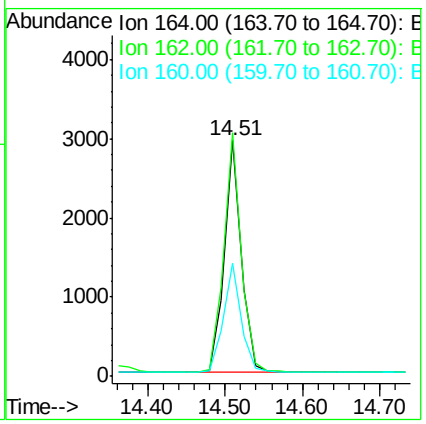


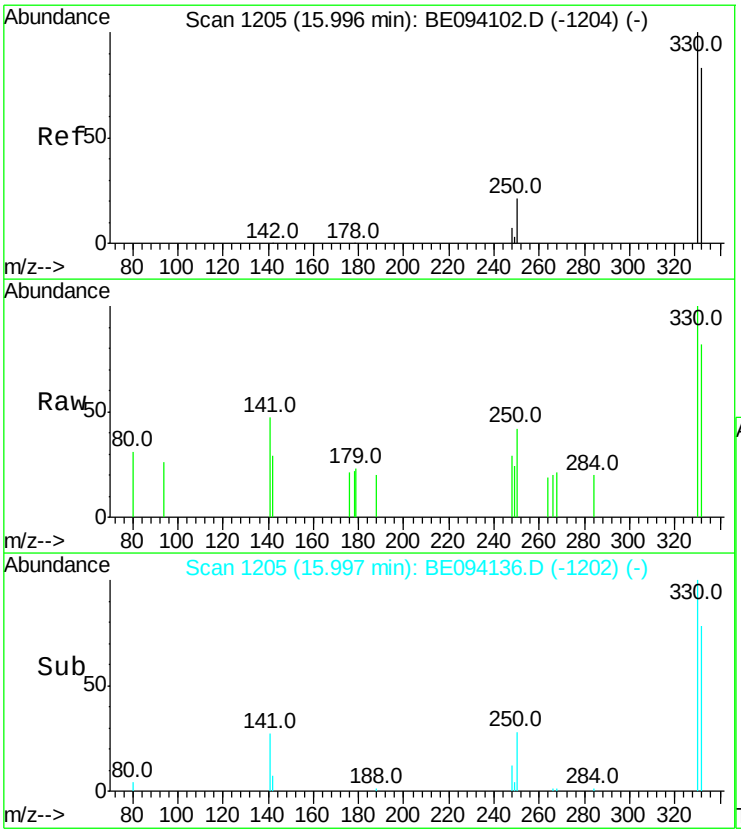
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 4501

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.1	124.7
160	47.9	37.1	55.7

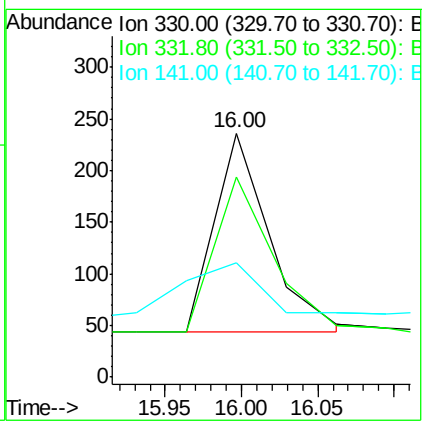


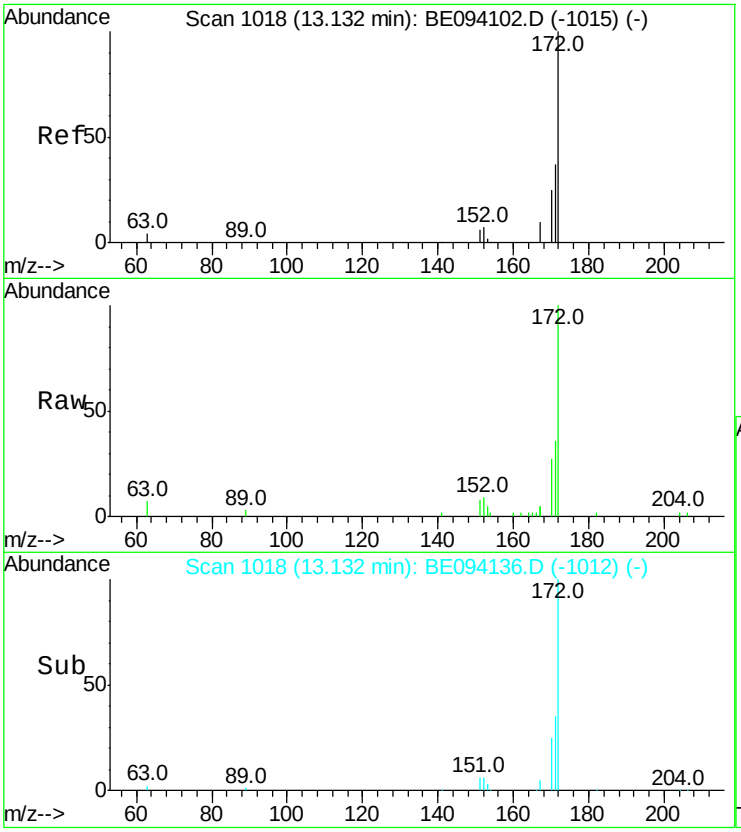


#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:330 Resp: 473

Ion	Ratio	Lower	Upper
330	100		
332	83.9	152.7	229.1#
141	0.0	33.7	50.5#



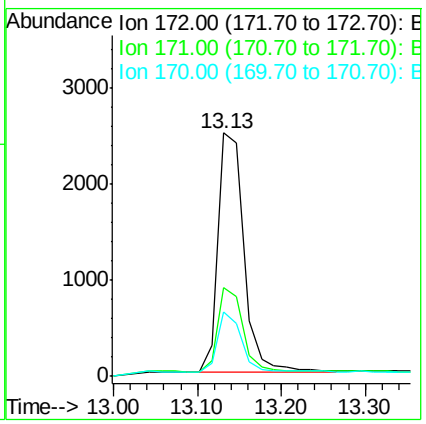


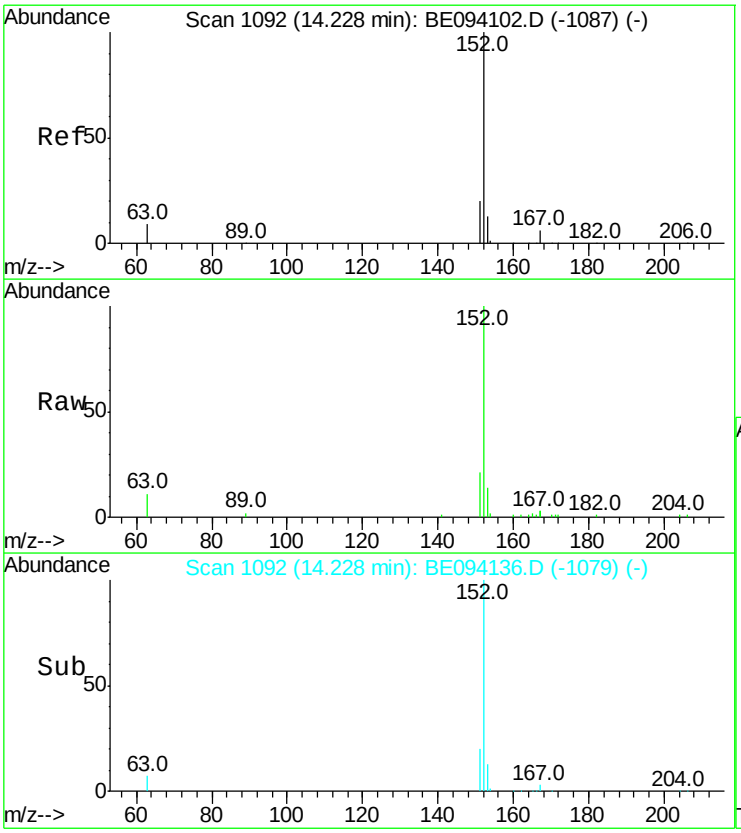
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 5332

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	26.6	21.8	32.8

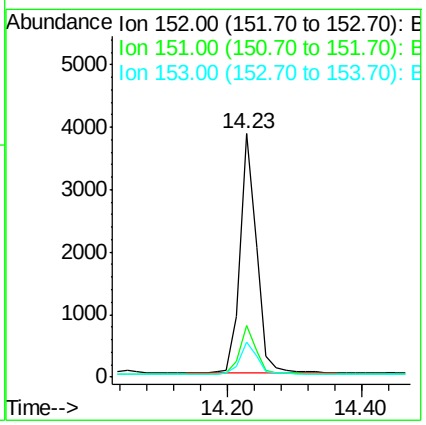


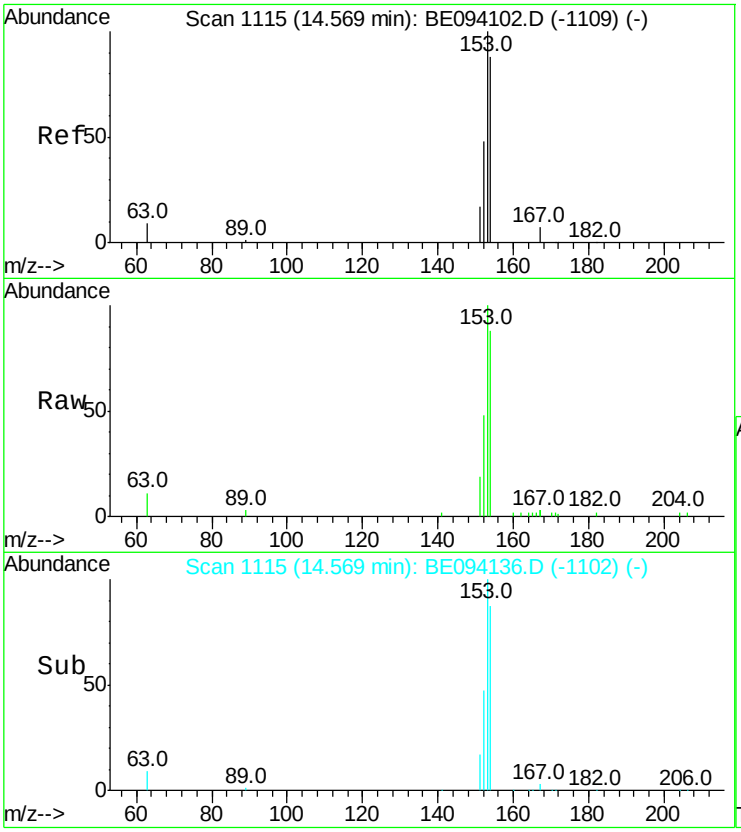


#16
Acenaphthylene
Concen: 0.291 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:152 Resp: 6564

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.6	10.5	15.7



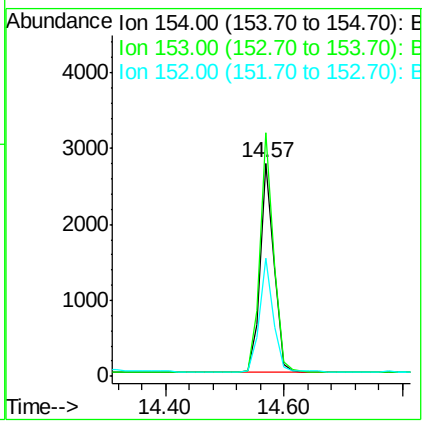


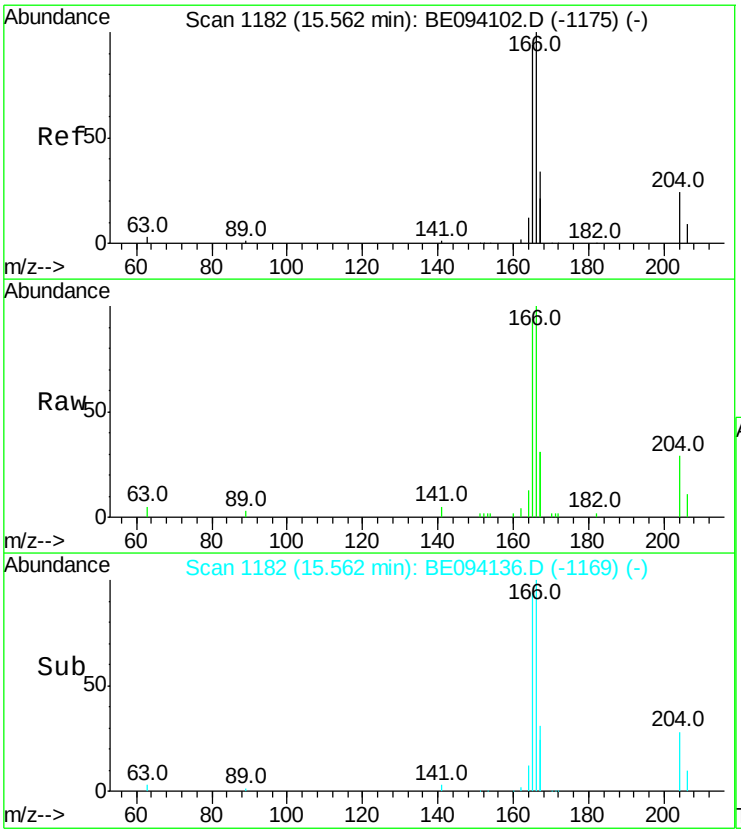
#17
Acenaphthene
Concen: 0.312 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 4398

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.2	133.8
152	54.0	42.0	63.0

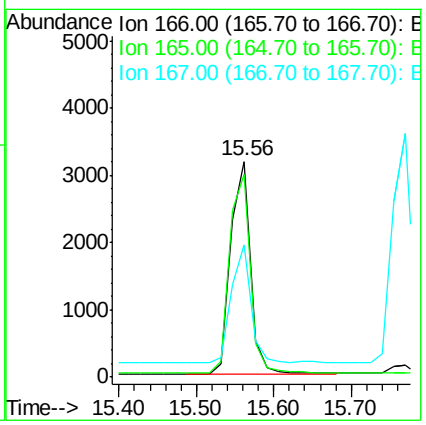


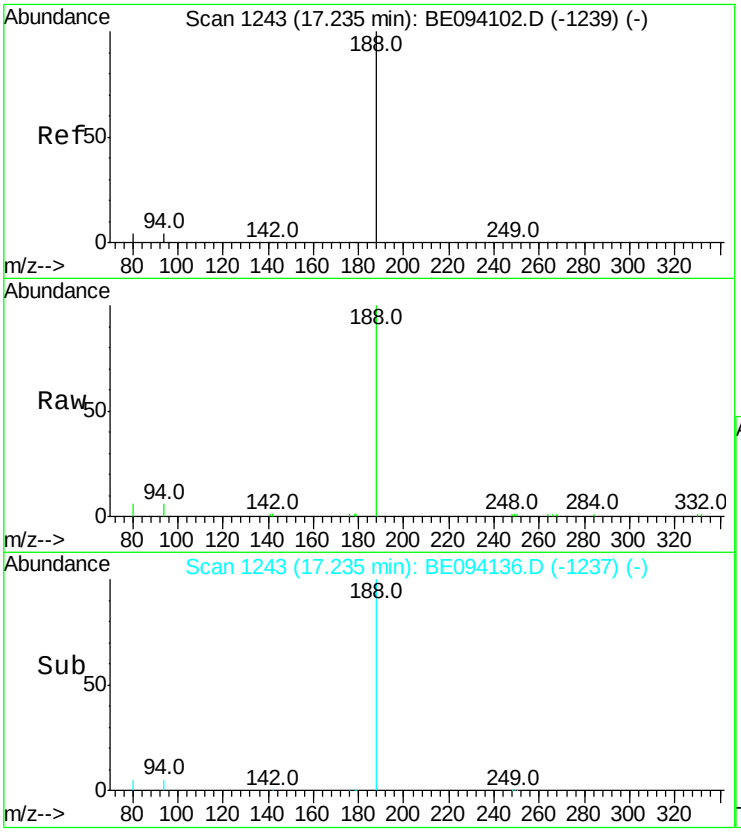


#18
Fluorene
Concen: 0.292 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:166 Resp: 5596

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	55.3	42.4	63.6



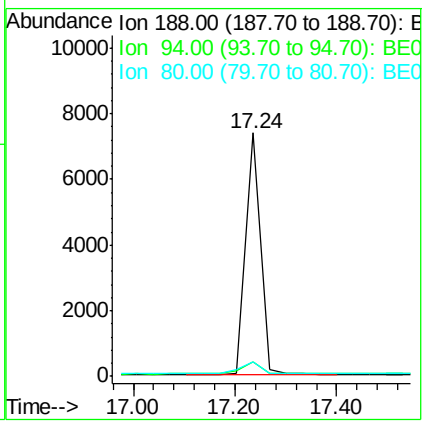


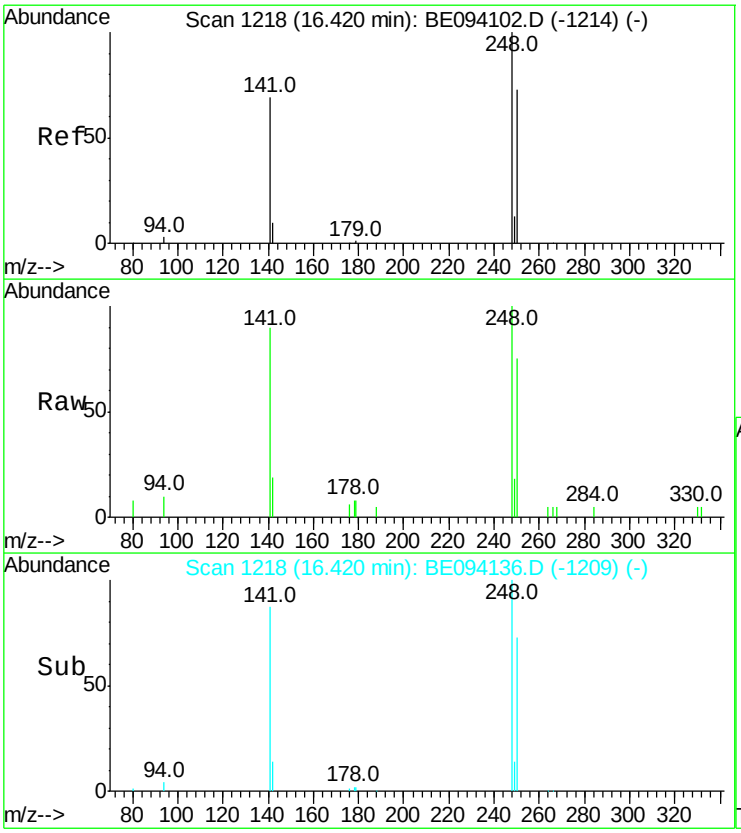
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 15070

Ion	Ratio	Lower	Upper
188	100		
94	6.2	3.9	5.9#
80	5.9	3.6	5.4#

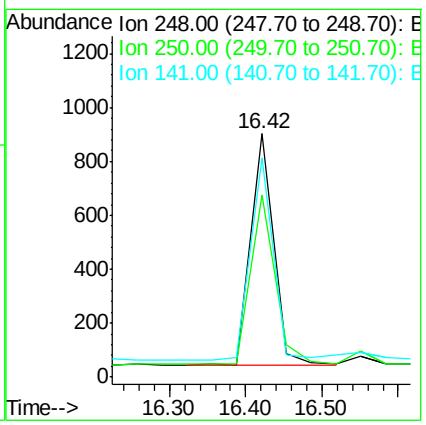


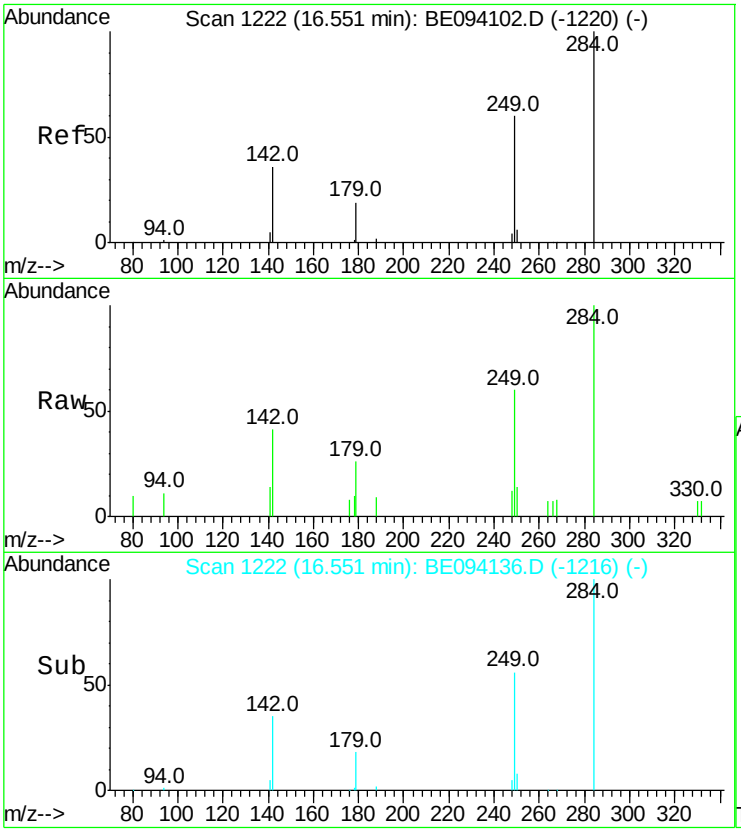


#20
4-Bromophenyl-phenylether
Concen: 0.289 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:248 Resp: 1786

Ion	Ratio	Lower	Upper
248	100		
250	74.6	62.7	94.1
141	89.8	48.2	72.2#



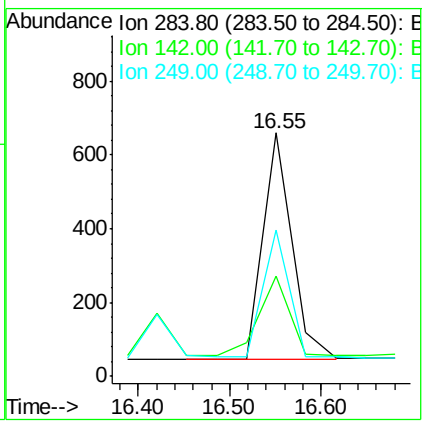


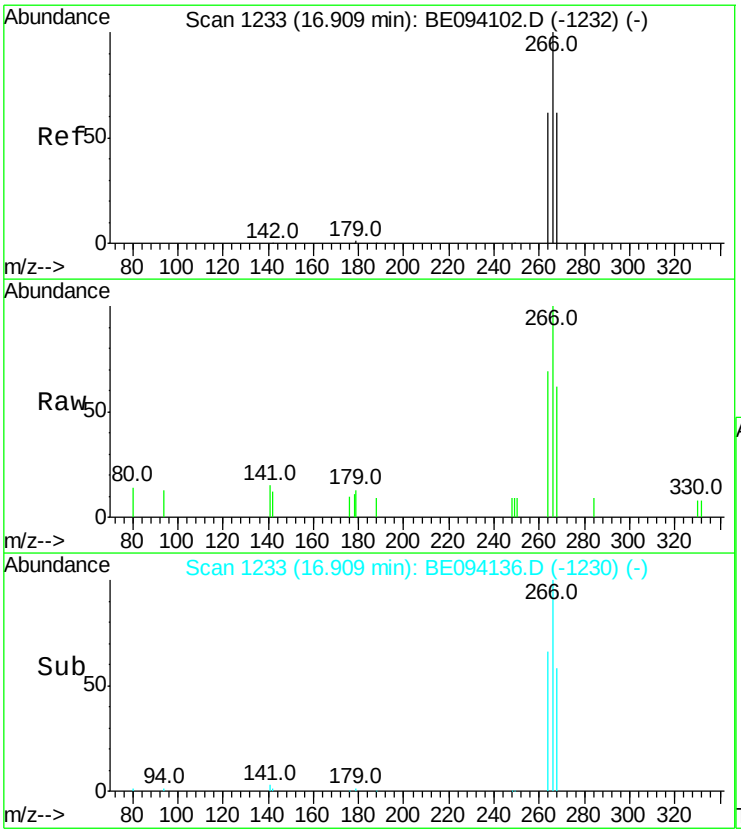
#21
Hexachlorobenzene
Concen: 0.345 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1347

Ion	Ratio	Lower	Upper
284	100		
142	36.2	22.1	33.1#
249	50.3	34.8	52.2

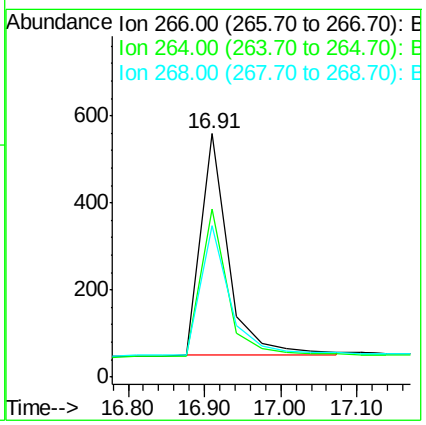


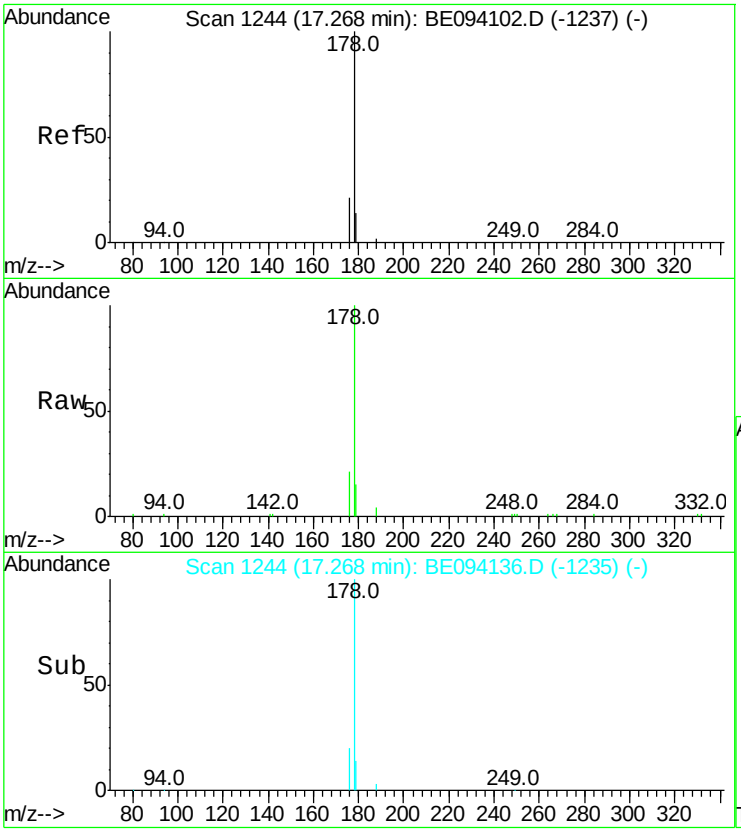


#22
Pentachlorophenol
Concen: 0.361 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:266 Resp: 1291

Ion	Ratio	Lower	Upper
266	100		
264	68.9	72.5	108.7#
268	62.3	73.8	110.6#



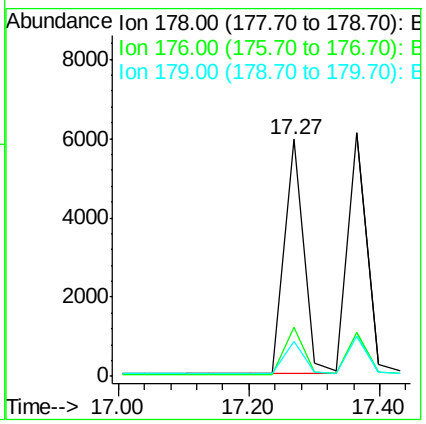


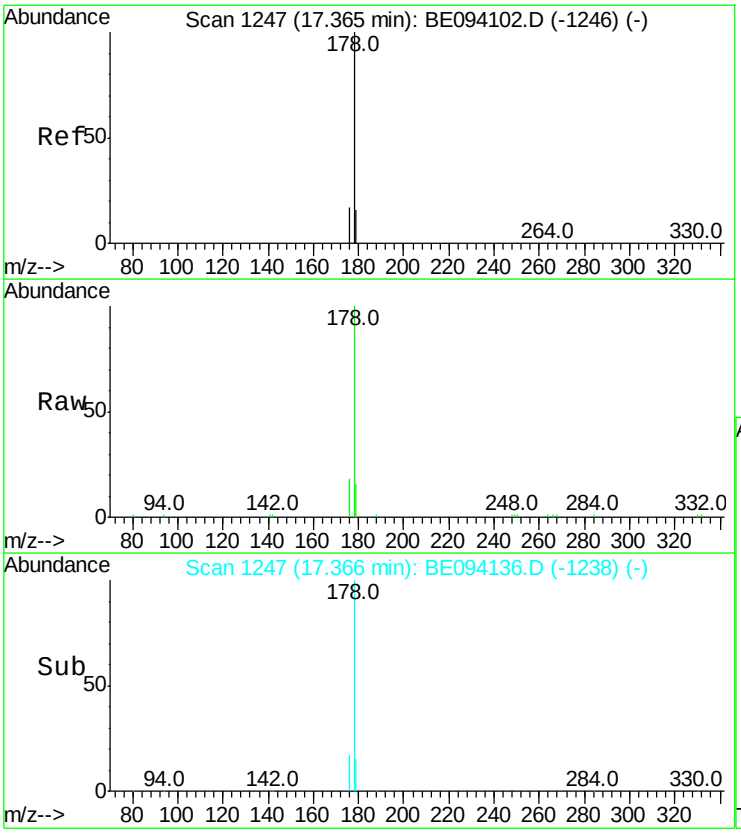
#23
Phenanthrene
Concen: 0.319 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 12288

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	14.2	11.8	17.6

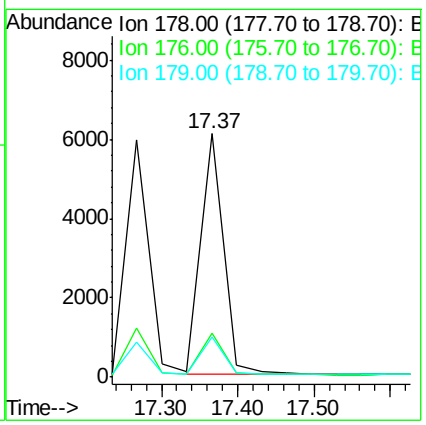


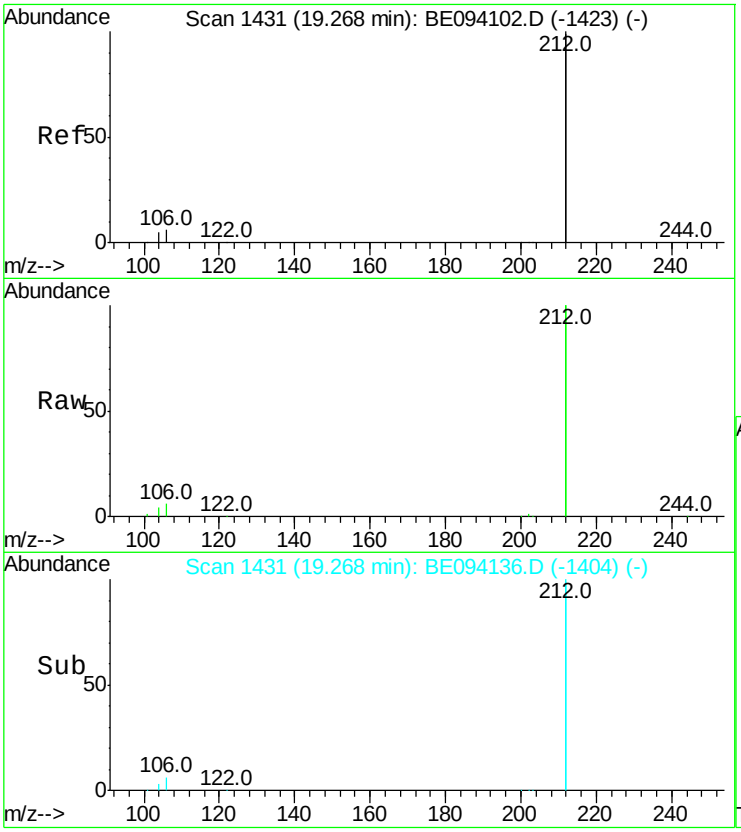


#24
Anthracene
Concen: 0.309 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:178 Resp: 12506

Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.8	19.2
179	15.6	13.0	19.6



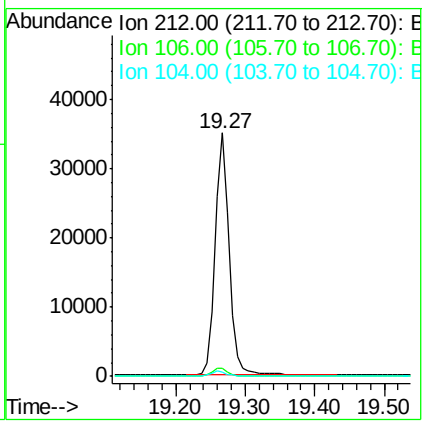


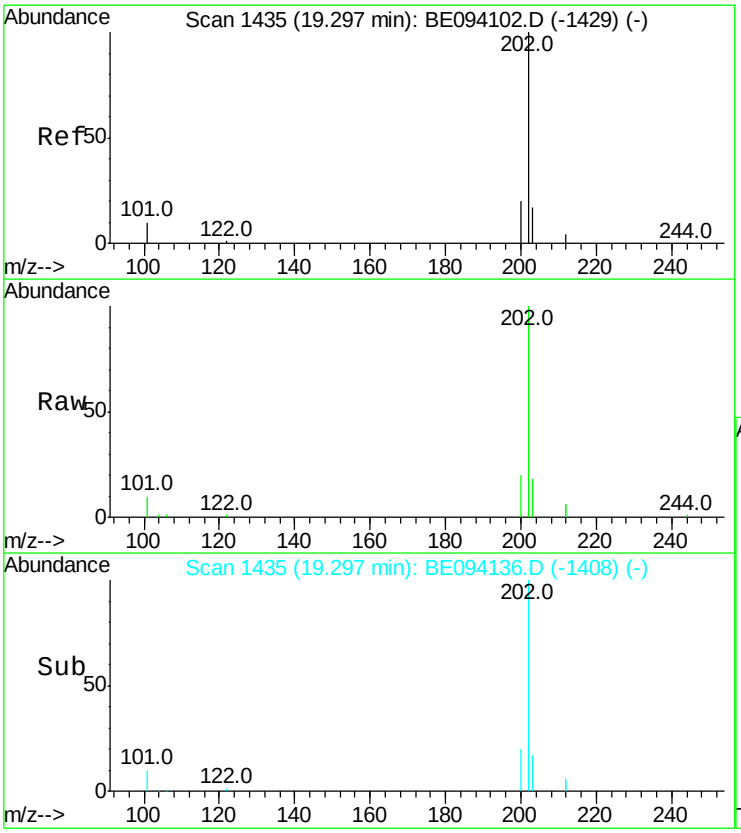
#25
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.27 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 48998

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	1.9	1.6	2.4

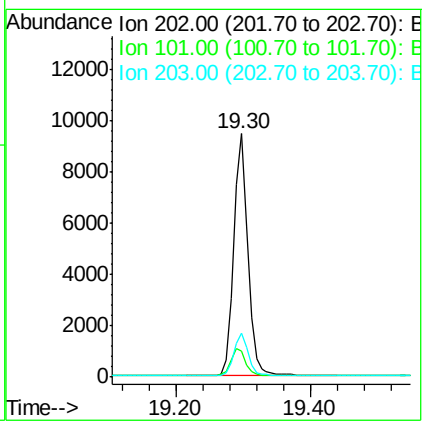


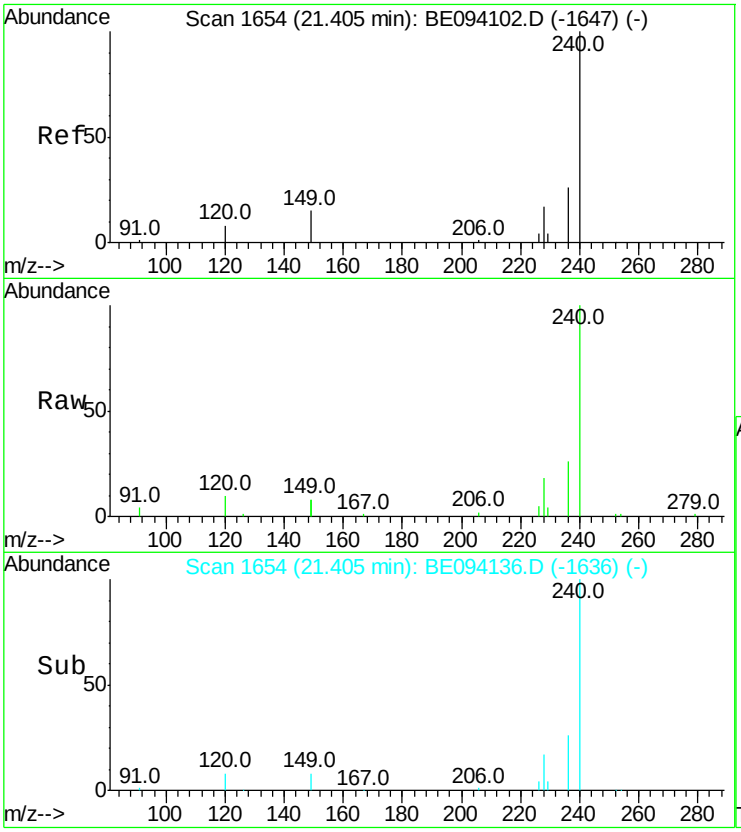


#26
Fluoranthene
Concen: 0.311 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:202 Resp: 13435

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.8	14.8
203	17.1	13.7	20.5



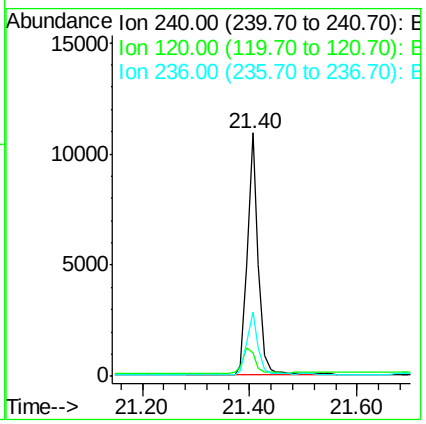


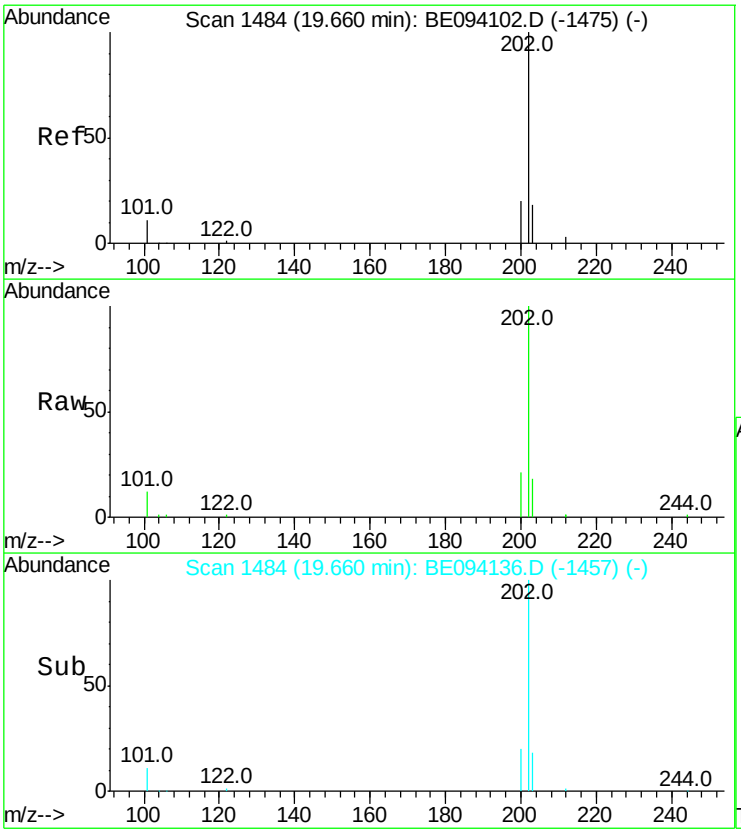
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 15182

Ion	Ratio	Lower	Upper
240	100		
120	9.7	5.5	8.3#
236	26.5	20.7	31.1

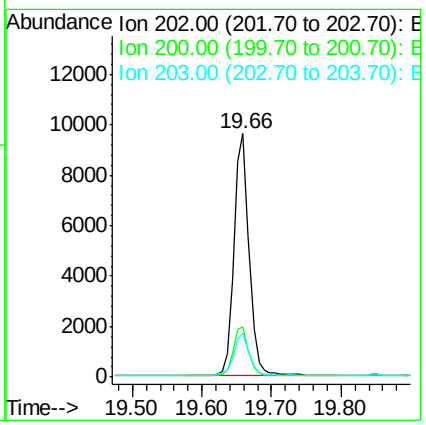


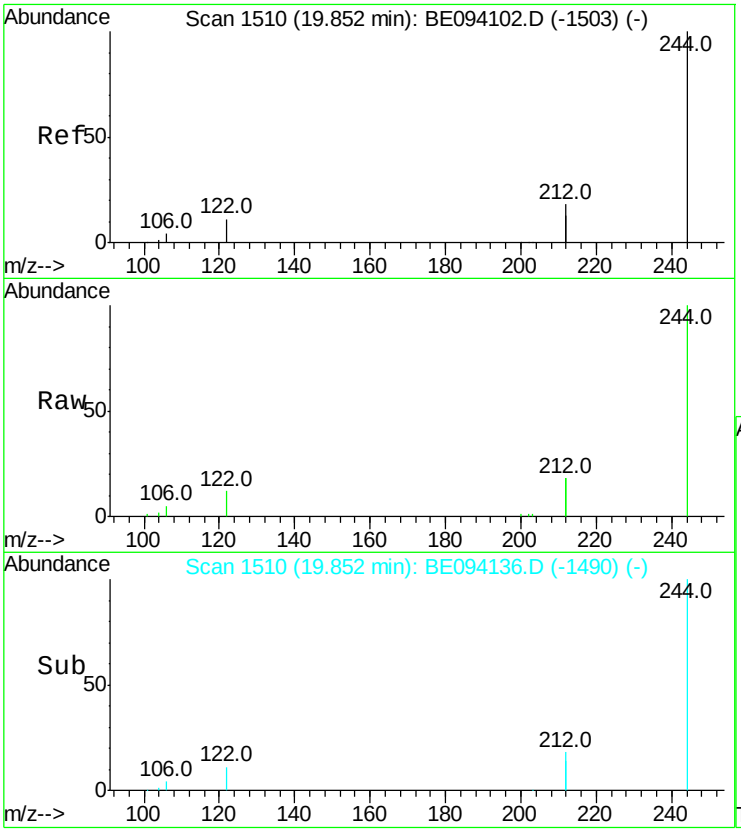


#28
Pyrene
Concen: 0.289 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:202 Resp: 13925

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.0	13.8	20.8



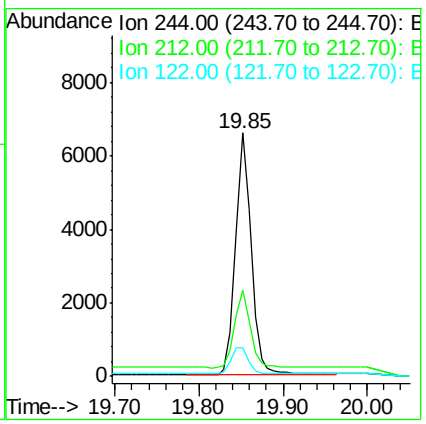


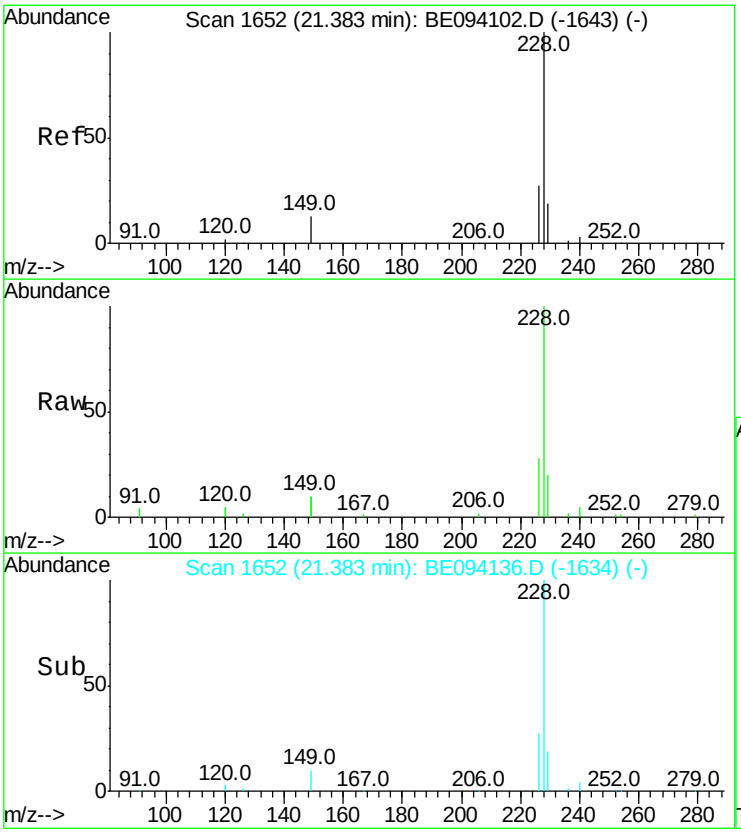
#29
Terphenyl-d14
Concen: 0.302 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 8365

Ion	Ratio	Lower	Upper
244	100		
212	35.5	25.4	38.0
122	11.8	8.1	12.1

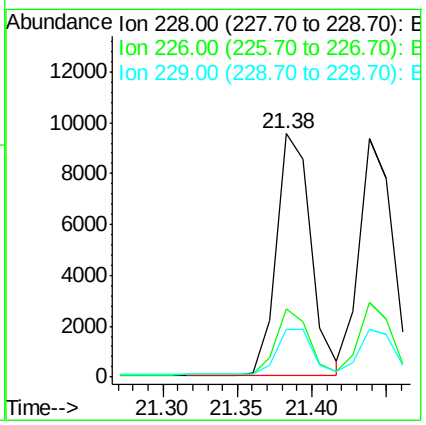


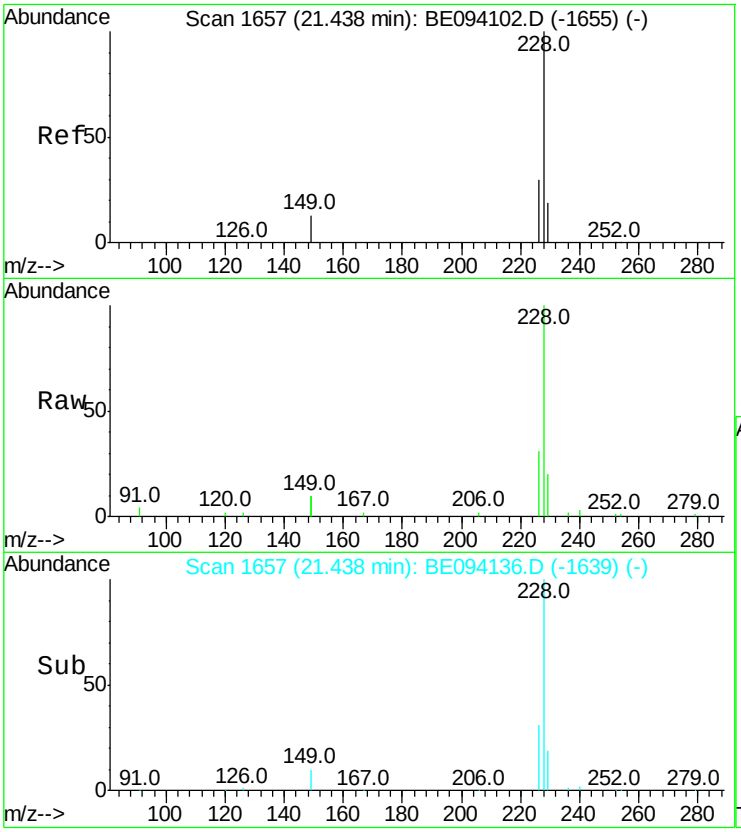


#30
Benzo(a)anthracene
Concen: 0.294 ng
RT: 21.38 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:228 Resp: 15049

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.0
229	19.7	16.4	24.6



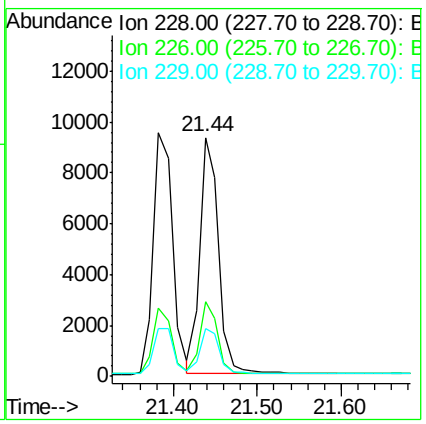


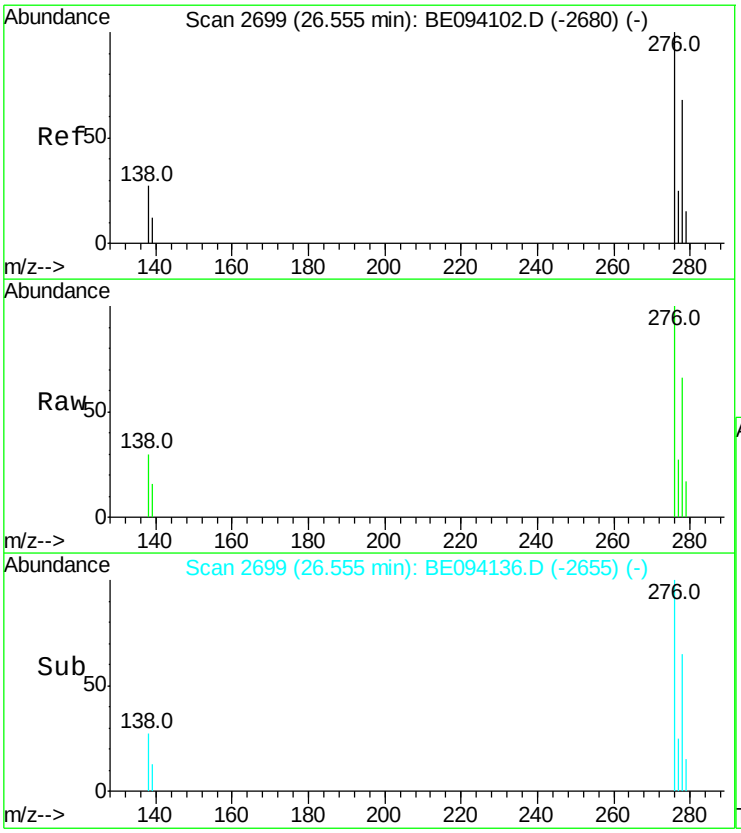
#31
Chrysene
Concen: 0.298 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 14684

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.6	35.4
229	20.1	16.4	24.6

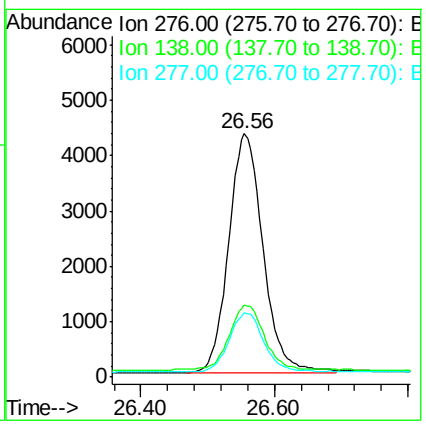


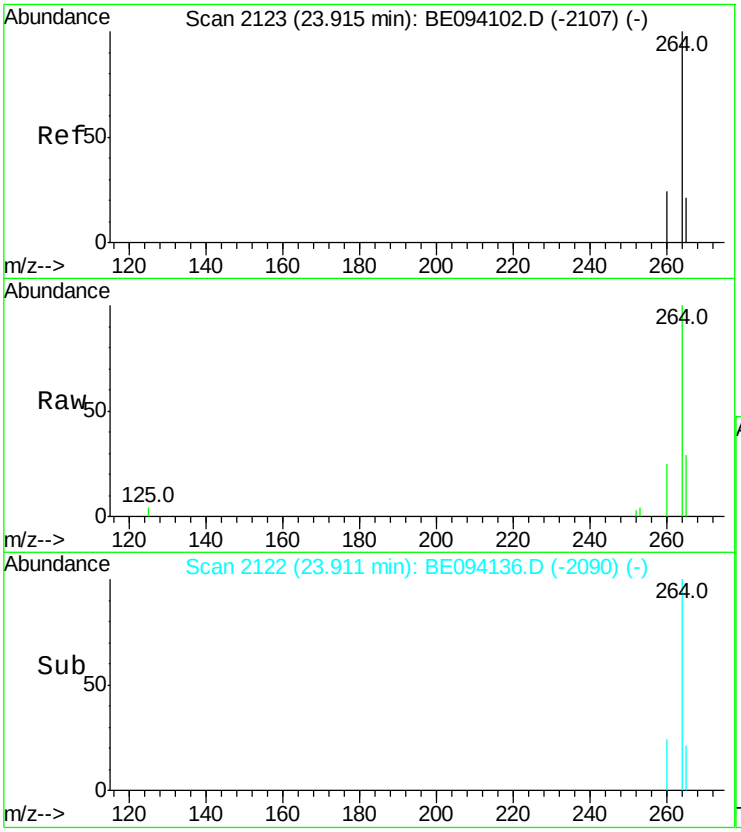


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.292 ng
RT: 26.56 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:276 Resp: 15442

Ion	Ratio	Lower	Upper
276	100		
138	27.5	22.5	33.7
277	24.8	19.9	29.9



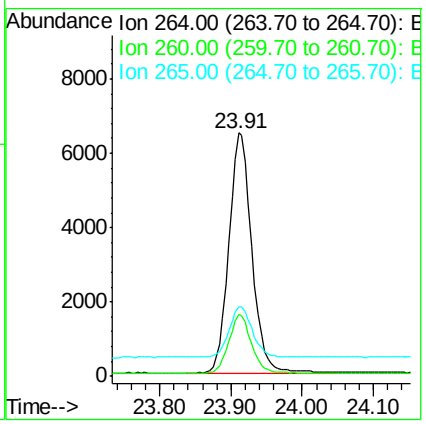


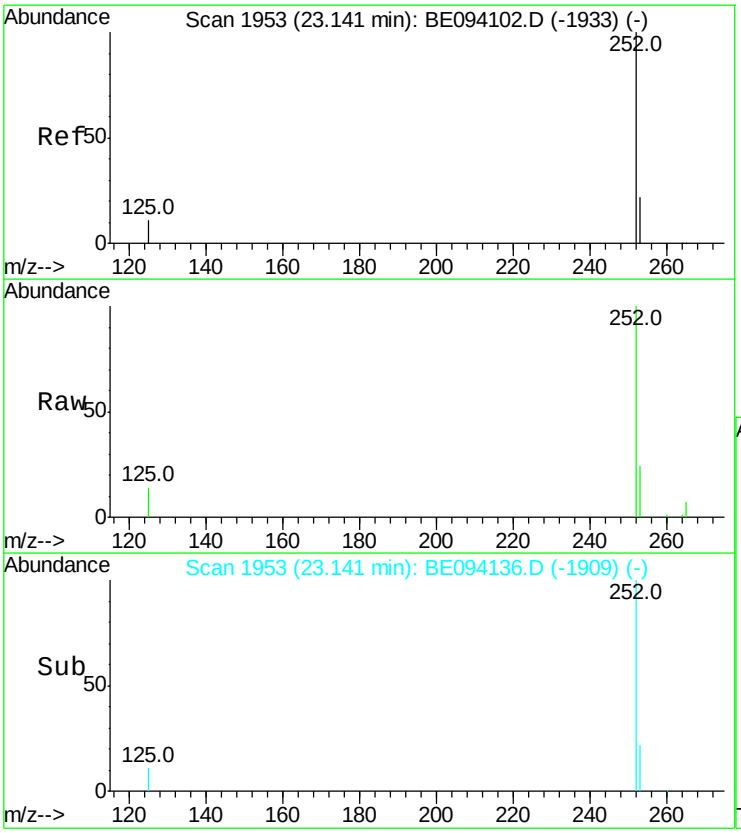
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 14526

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.5	30.7
265	28.5	22.8	34.2

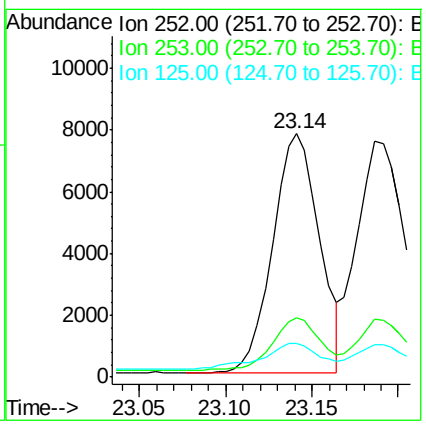


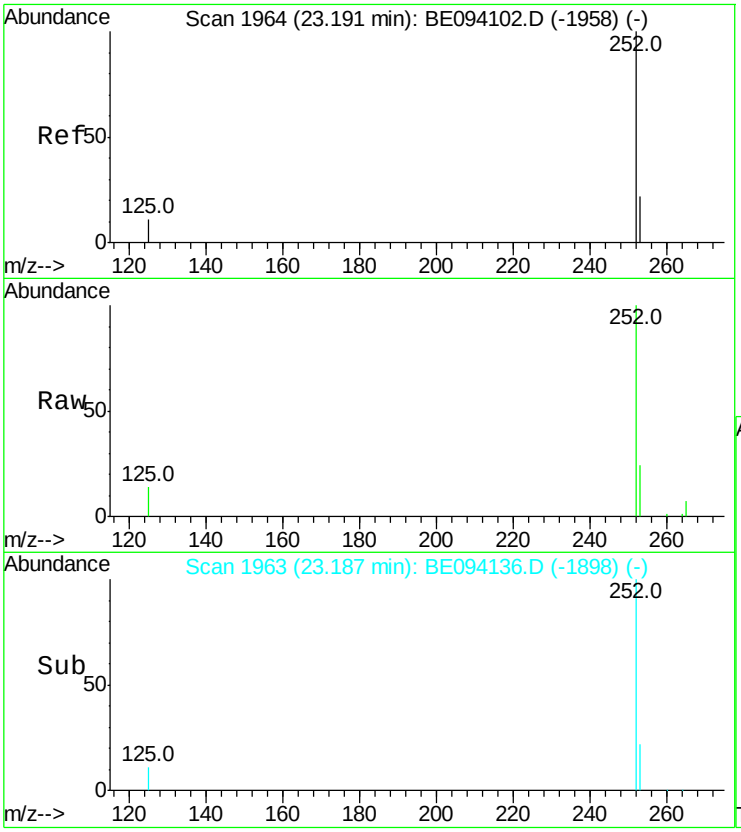


#35
Benzo(b)fluoranthene
Concen: 0.277 ng
RT: 23.14 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:252 Resp: 14503

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	13.9	10.1	15.1



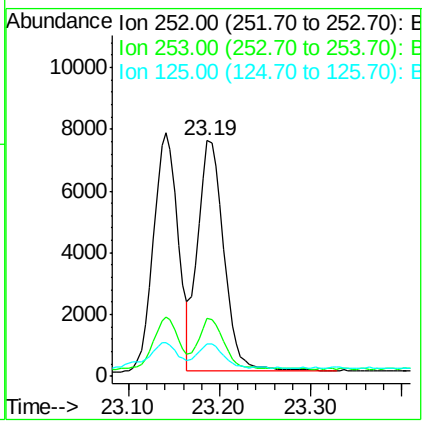


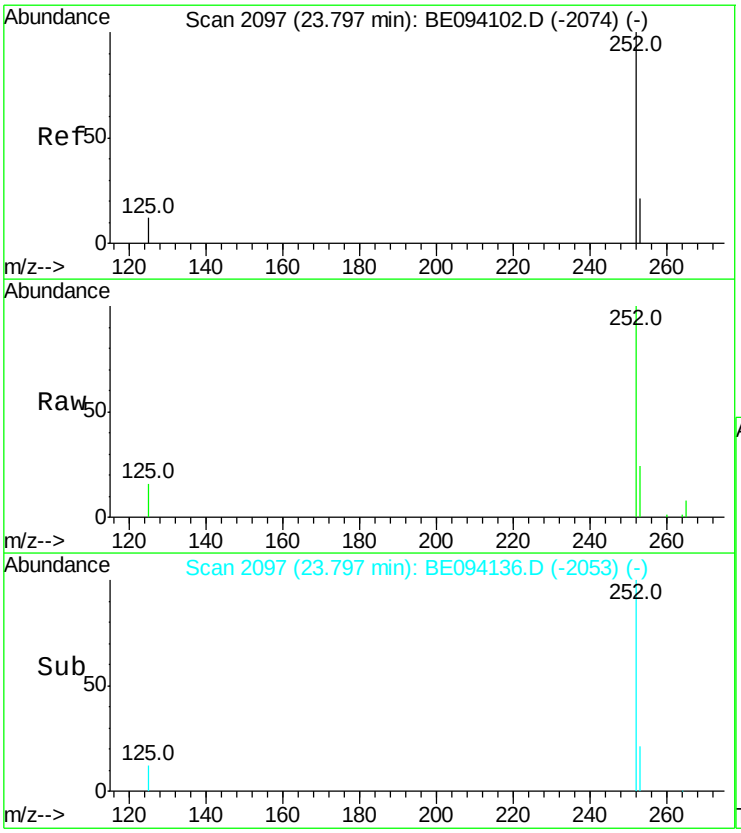
#36
Benzo(k)fluoranthene
Concen: 0.298 ng
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 14962

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	27.8
125	13.9	10.7	16.1

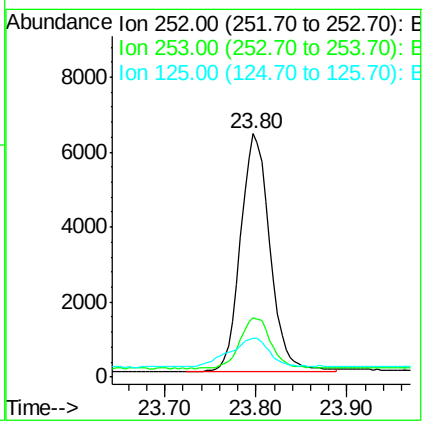


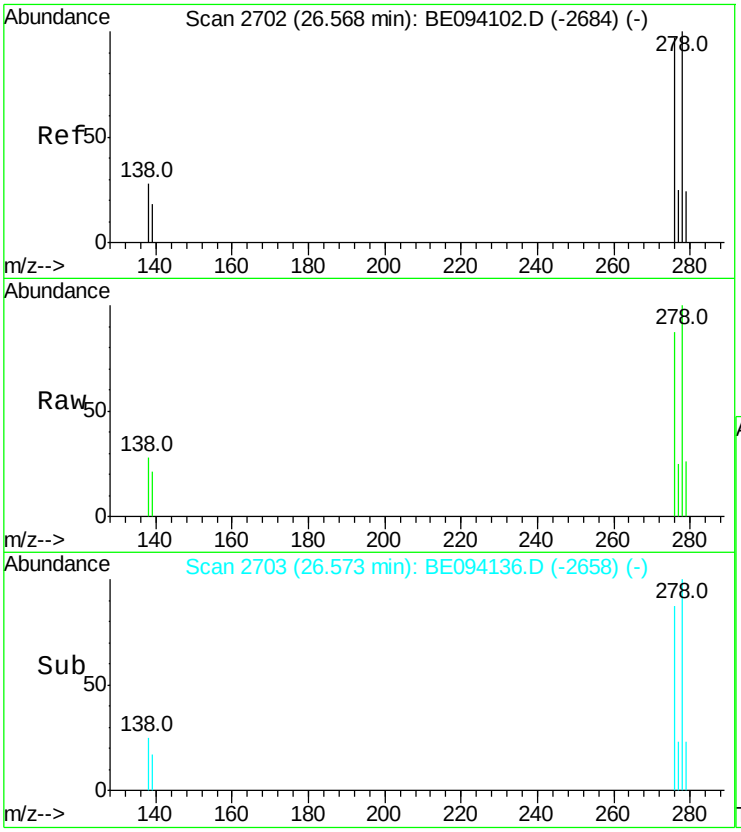


#37
Benzo(a)pyrene
Concen: 0.300 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:252 Resp: 14225

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	16.0	11.8	17.8



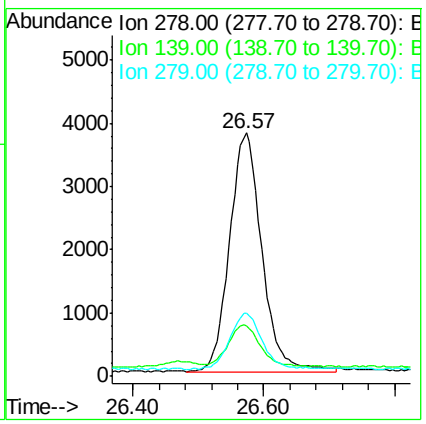


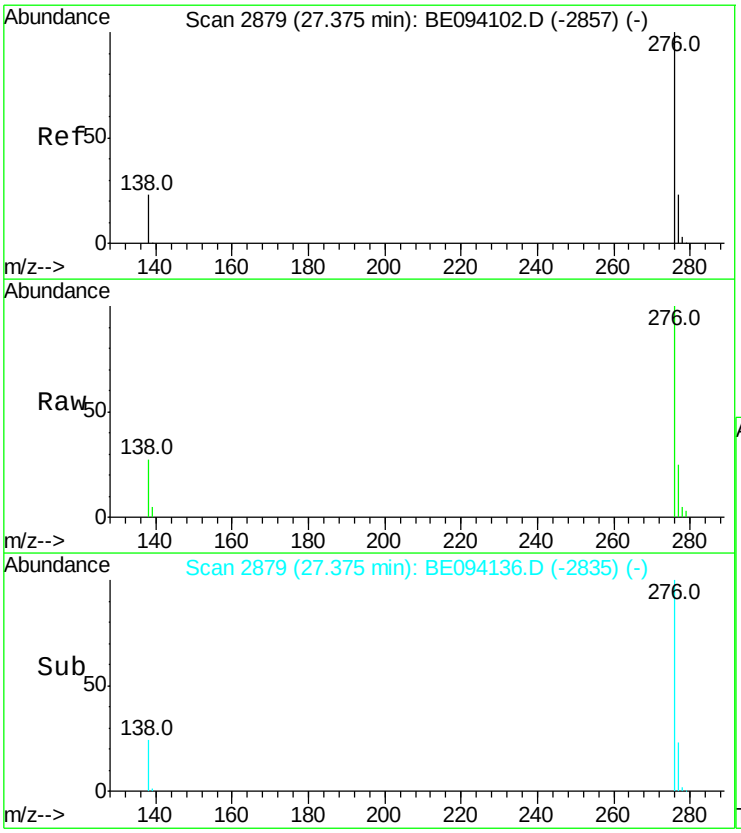
#38
Dibenzo(a,h)anthracene
Concen: 0.288 ng
RT: 26.57 min Scan# 2703
Delta R.T. 0.01 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 12914

Ion	Ratio	Lower	Upper
278	100		
139	20.8	16.3	24.5
279	25.9	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.293 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BE094136.D
Acq: 28 Sep 2017 18:51

Tgt Ion:276 Resp: 12995

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.8	31.2
138	26.6	21.5	32.3