Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
Data File : BE094184.D
Acq On : 6 Oct 2017 18:12
Operator : SJ/JU
Sample : PB102941BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB102941BS

Quant Time: Oct 07 01:12:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 15:16:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1441	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	6398	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	3555	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	11077	0.40	ng		0.00
27) Chrysene-d12	21.40	240	10294	0.40	ng		0.00
34) Perylene-d12	23.91	264	9301	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1304	0.27	ng		0.00
5) Phenol-d6	7.09	99	1706	0.25	ng		0.00
8) Nitrobenzene-d5	9.06	82	1561	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	2894	0.29	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	327	0.21	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	3691	0.30	ng		0.00
25) Fluoranthene-d10	19.27	212	33661	0.30	ng		0.00
29) Terphenyl-d14	19.85	244	5662	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	685	0.262	ng	#	40
3) n-Nitrosodimethylamine	3.74	42	824	0.294	ng	#	91
6) bis(2-Chloroethyl)ether	7.33	93	1372	0.243	ng		84
9) Naphthalene	10.74	128	19024	0.264	ng		100
10) Hexachlorobutadiene	11.01	225	723	0.264	ng		98
12) 2-Methylnaphthalene	12.35	142	3102	0.262	ng		98
16) Acenaphthylene	14.23	152	4782	0.266	ng		99
17) Acenaphthene	14.57	154	3233	0.272	ng		99
18) Fluorene	15.55	166	4233	0.272	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	1623	0.254	ng		92
21) Hexachlorobenzene	16.55	284	1414	0.247	ng		88
22) Pentachlorophenol	16.91	266	718	0.462	ng	#	74
23) Phenanthrene	17.27	178	10088	0.263	ng		99
24) Anthracene	17.37	178	8134	0.278	ng		99
26) Fluoranthene	19.30	202	8988	0.267	ng		99
28) Pyrene	19.65	202	9296	0.263	ng		99
30) Benzo(a)anthracene	21.38	228	8886	0.263	ng		99
31) Chrysene	21.44	228	8894	0.267	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	17869	0.229	ng		100
33) Indeno(1,2,3-cd)pyrene	26.55	276	9102	0.275	ng		99
35) Benzo(b)fluoranthene	23.13	252	8604	0.275	ng		97
36) Benzo(k)fluoranthene	23.18	252	8816	0.277	ng		99
37) Benzo(a)pyrene	23.79	252	8274	0.280	ng		99
38) Dibenzo(a,h)anthracene	26.56	278	7478	0.273	ng		99
39) Benzo(g,h,i)perylene	27.37	276	7672	0.274	ng		98

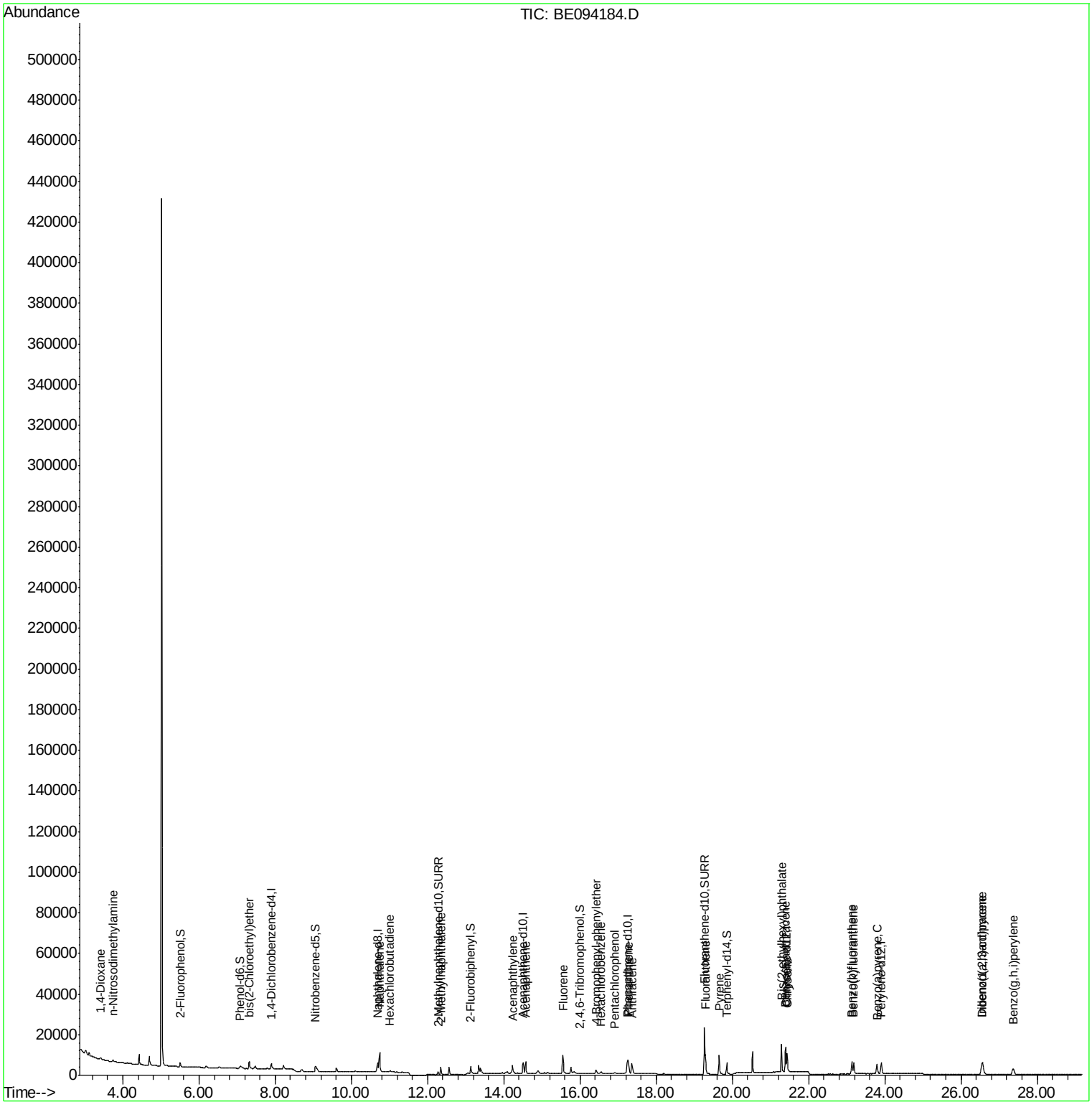
(#) = qualifier out of range (m) = manual integration (+) = signals summed

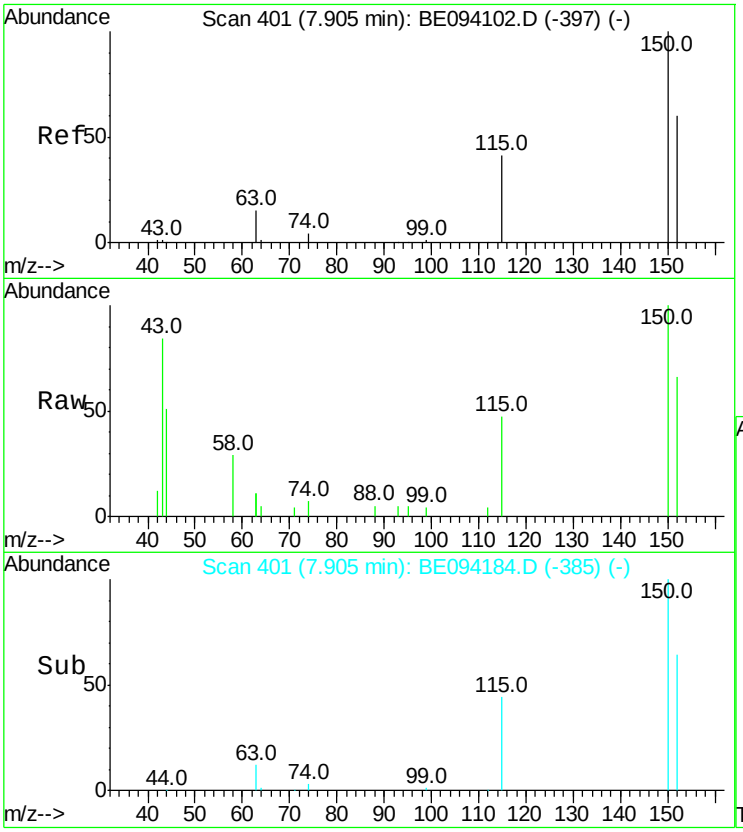
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
Data File : BE094184.D
Acq On : 6 Oct 2017 18:12
Operator : SJ/JU
Sample : PB102941BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Quant Time: Oct 07 01:12:37 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 15:16:13 2017
Response via : Initial Calibration



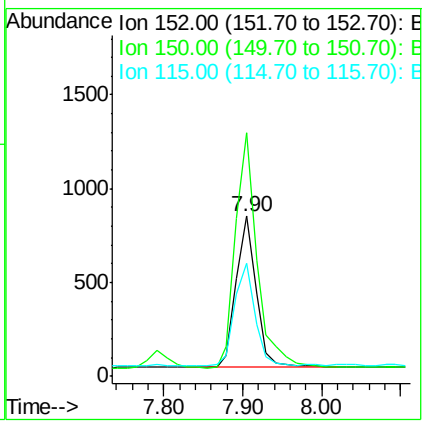


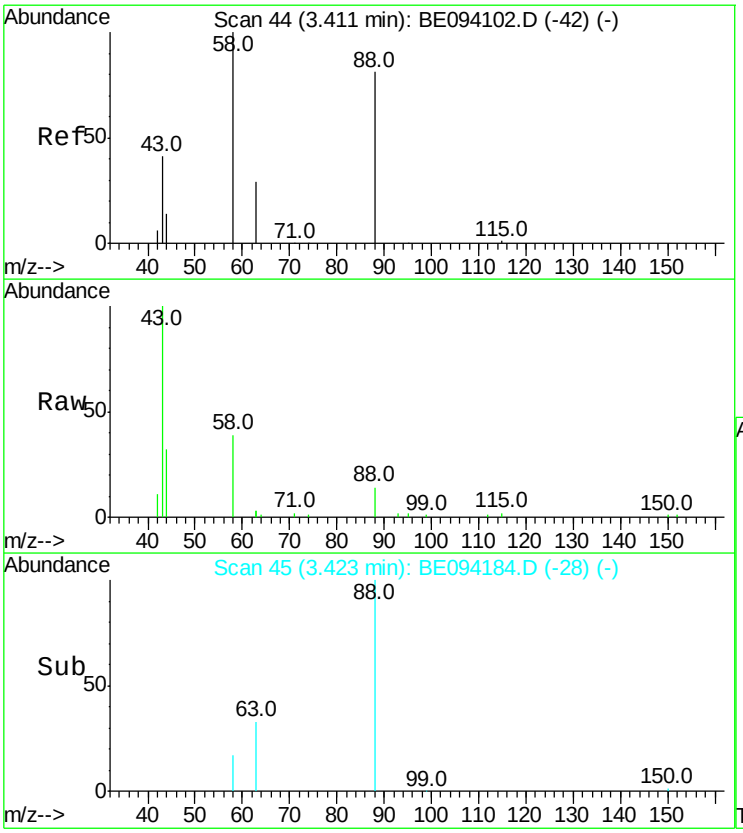
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:152 Resp: 1441

Ion	Ratio	Lower	Upper
152	100		
150	152.2	117.2	175.8
115	70.9	57.0	85.6

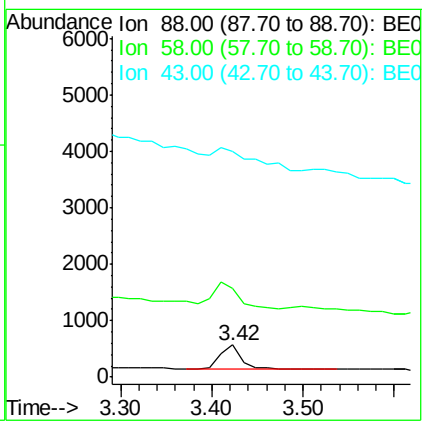


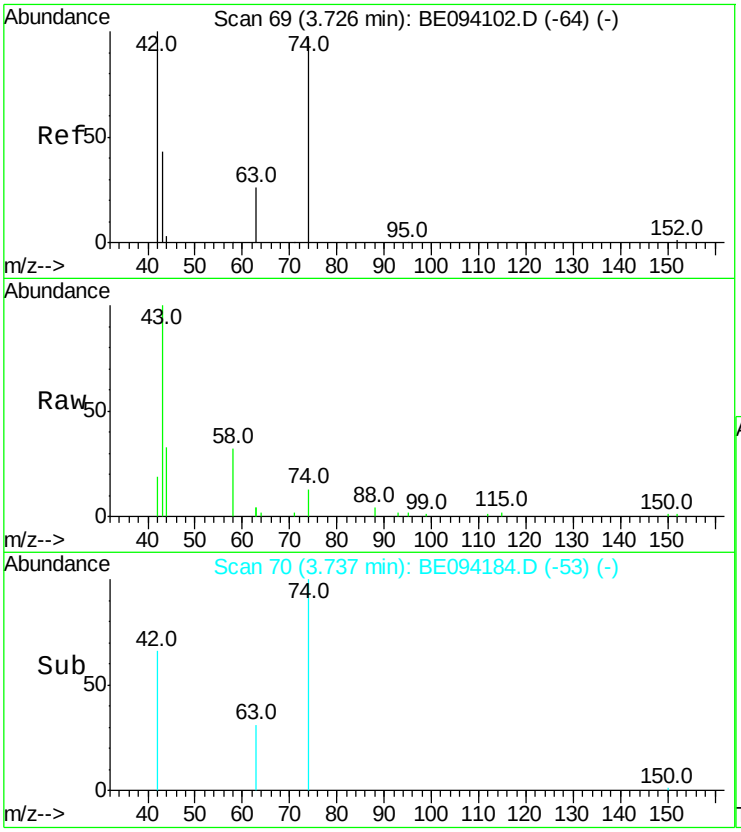


#2
1,4-Dioxane
Concen: 0.262 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion: 88 Resp: 685

Ion	Ratio	Lower	Upper
88	100		
58	124.2	63.2	94.8#
43	0.0	41.2	61.8#



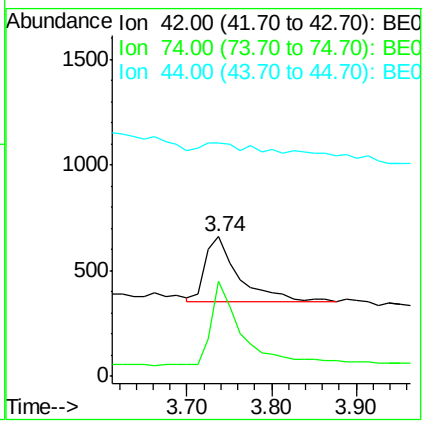


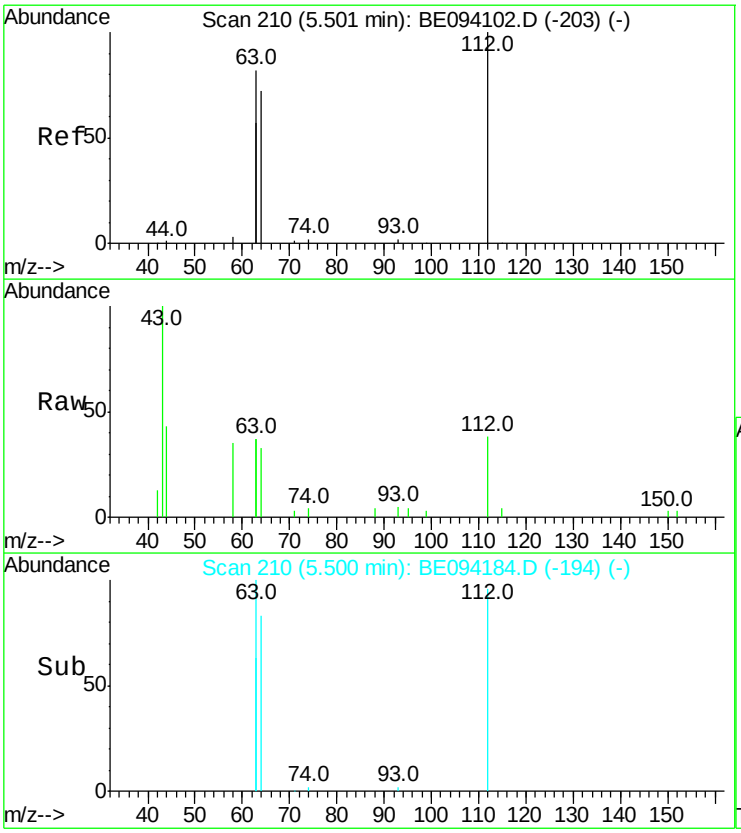
#3
n-Nitrosodimethylamine
Concen: 0.294 ng
RT: 3.74 min Scan# 70
Delta R.T. 0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion: 42 Resp: 824

Ion	Ratio	Lower	Upper
42	100		
74	119.3	100.3	150.5
44	34.3	17.0	25.4#

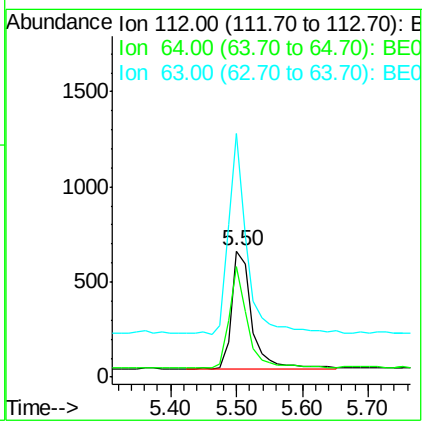


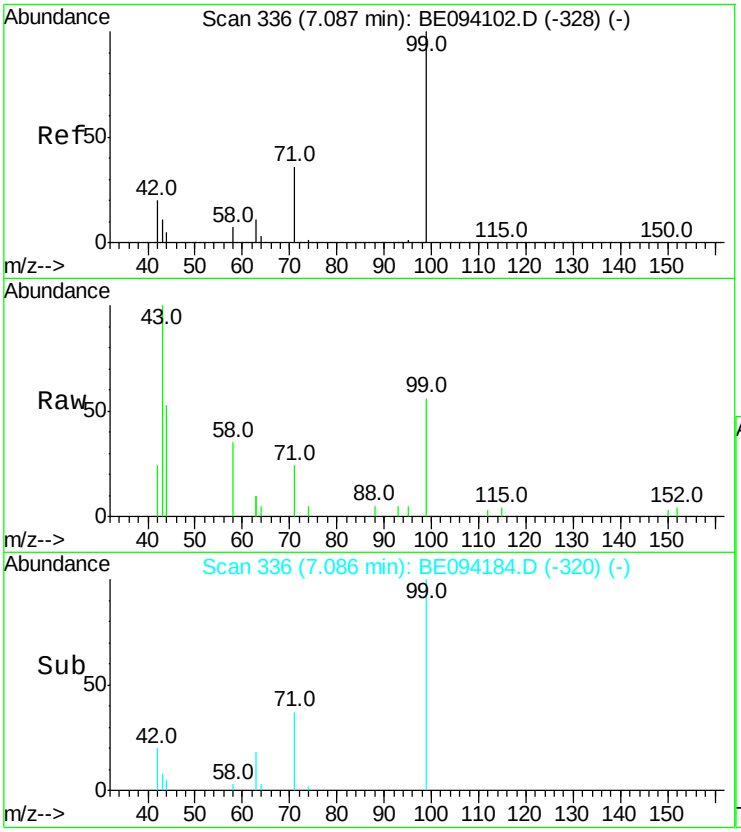


#4
2-Fluorophenol
Concen: 0.272 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:112 Resp: 1304

Ion	Ratio	Lower	Upper
112	100		
64	76.6	60.1	90.1
63	150.2	116.8	175.2



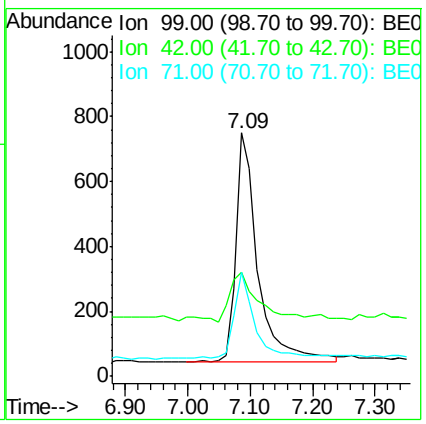


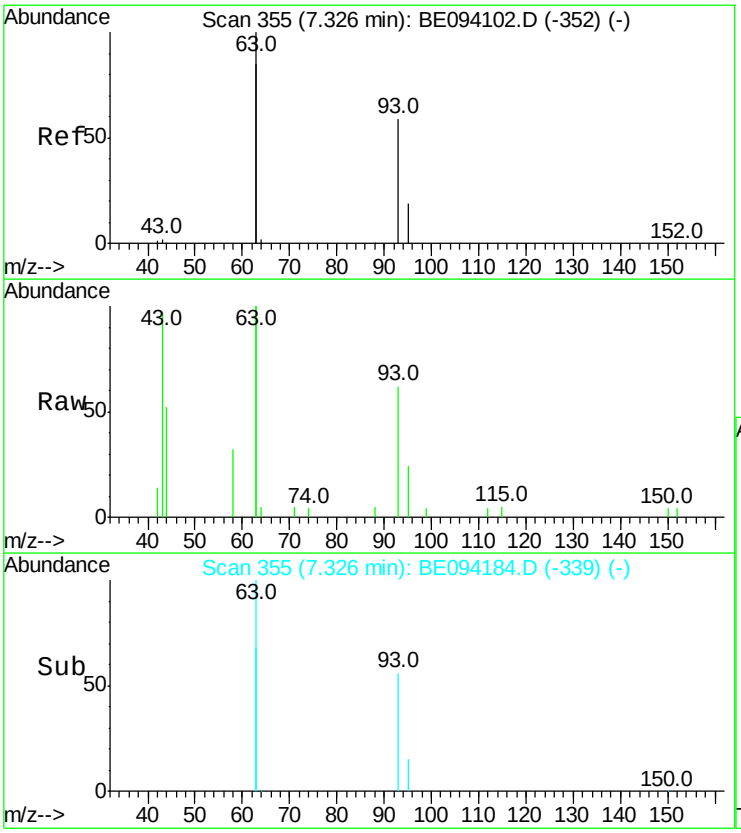
#5
Phenol-d6
Concen: 0.245 ng
RT: 7.09 min Scan# 336
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion: 99 Resp: 1706

Ion	Ratio	Lower	Upper
99	100		
42	26.5	20.2	30.2
71	37.7	28.4	42.6

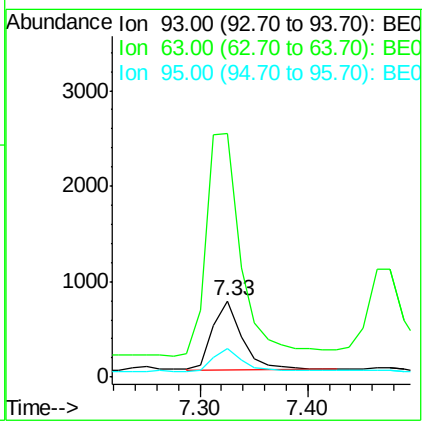


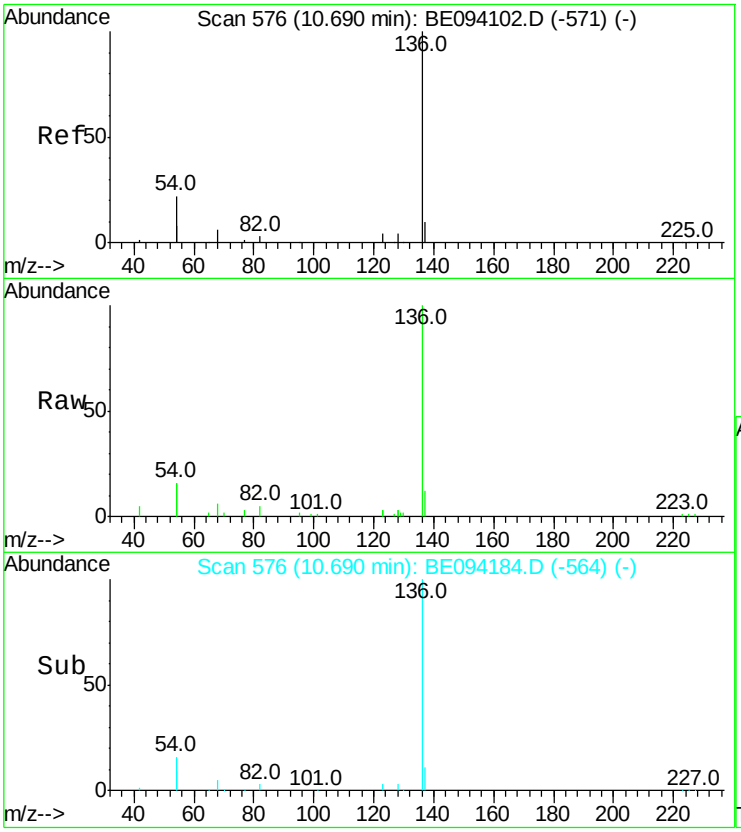


#6
bis(2-Chloroethyl)ether
Concen: 0.243 ng
RT: 7.33 min Scan# 355
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion: 93 Resp: 1372

Ion	Ratio	Lower	Upper
93	100		
63	378.9	275.3	412.9
95	37.2	25.2	37.8



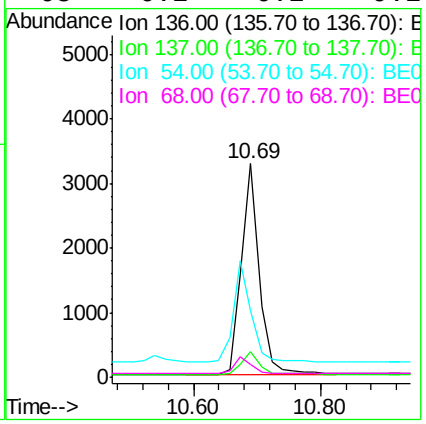


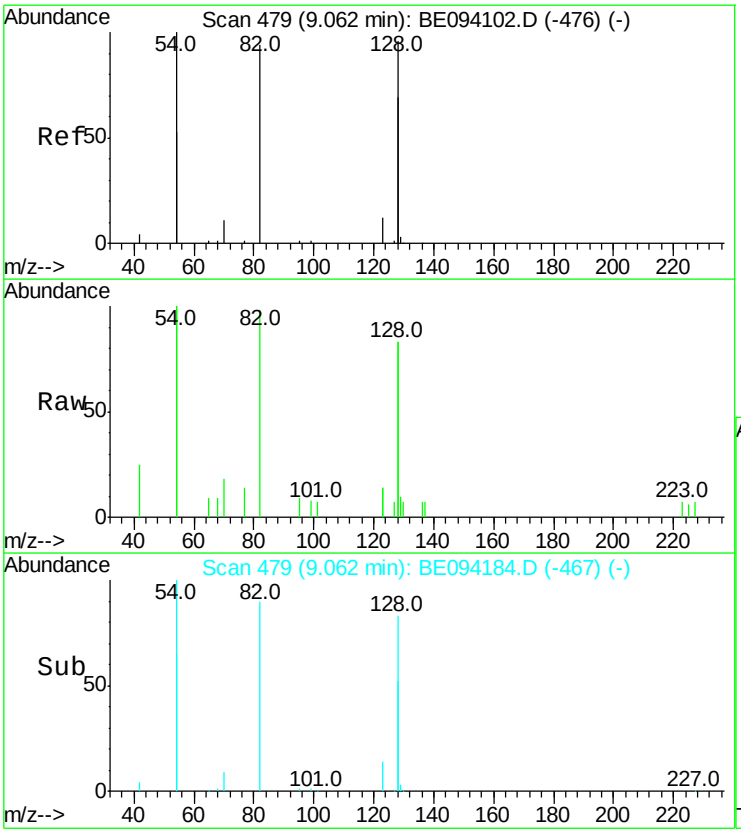
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:136 Resp: 6398

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	31.2	29.1	43.7
68	6.2	6.2	9.2

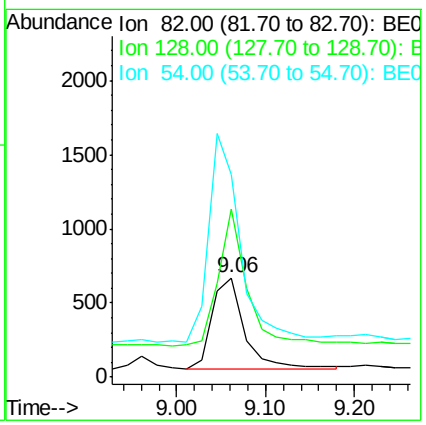


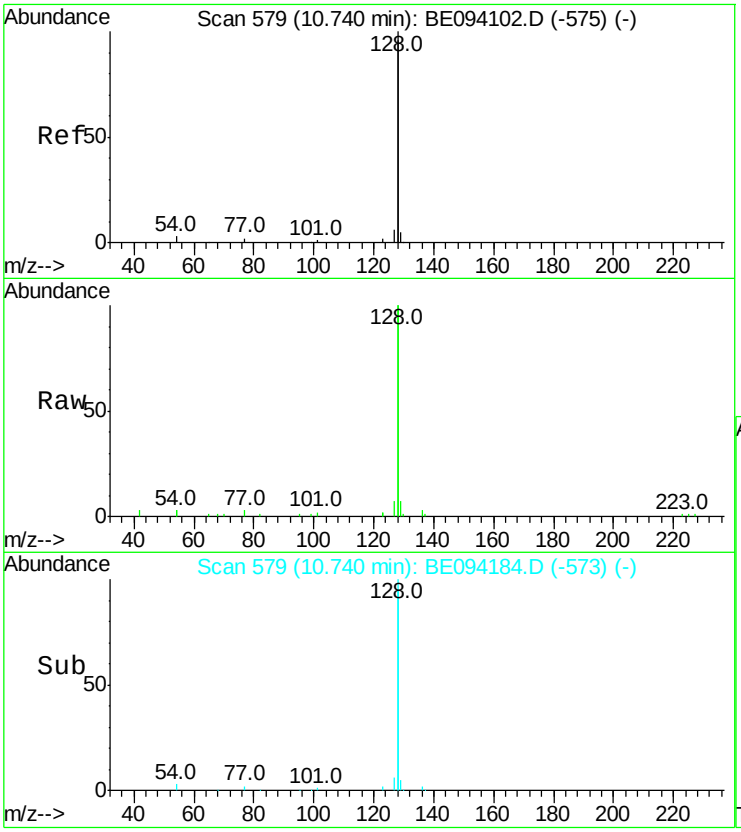


#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion: 82 Resp: 1561

Ion	Ratio	Lower	Upper
82	100		
128	168.8	150.0	225.0
54	203.3	154.2	231.4



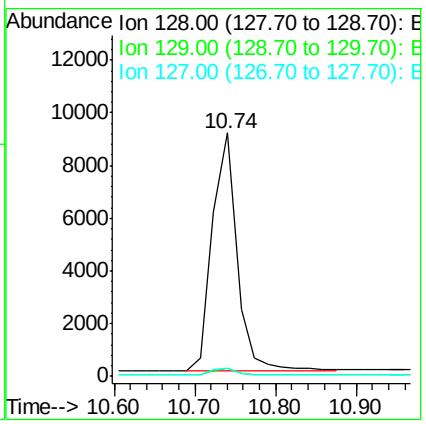


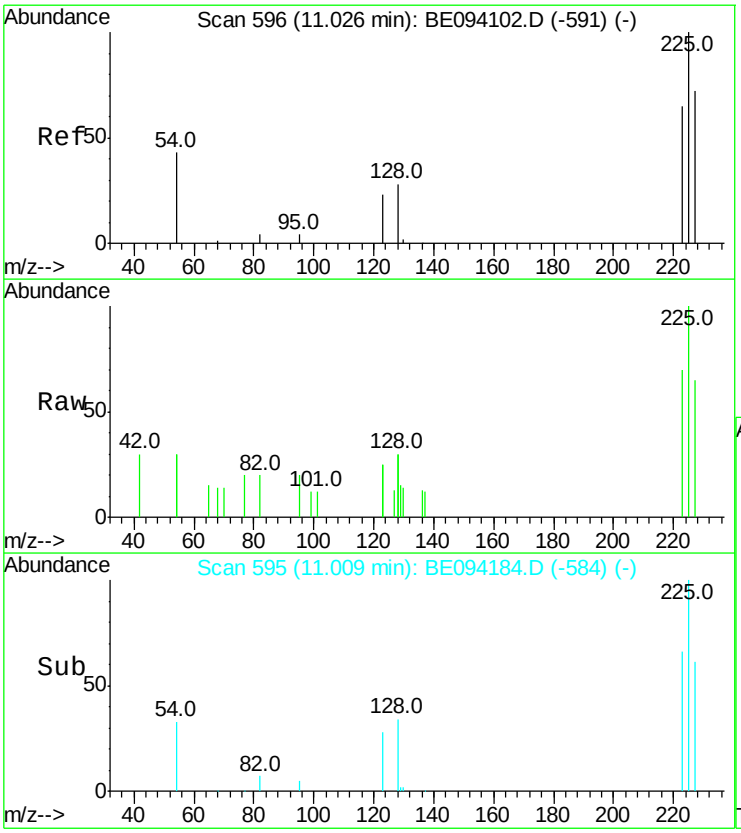
#9
Naphthalene
Concen: 0.264 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:128 Resp: 19024

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.5	2.8	4.2

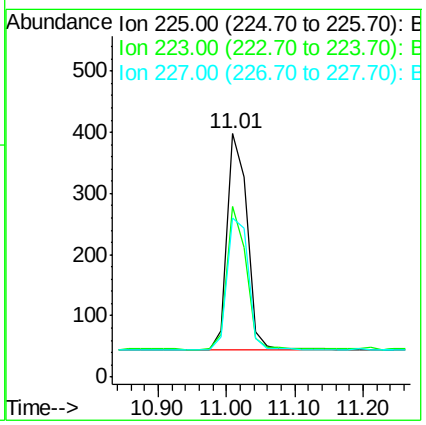


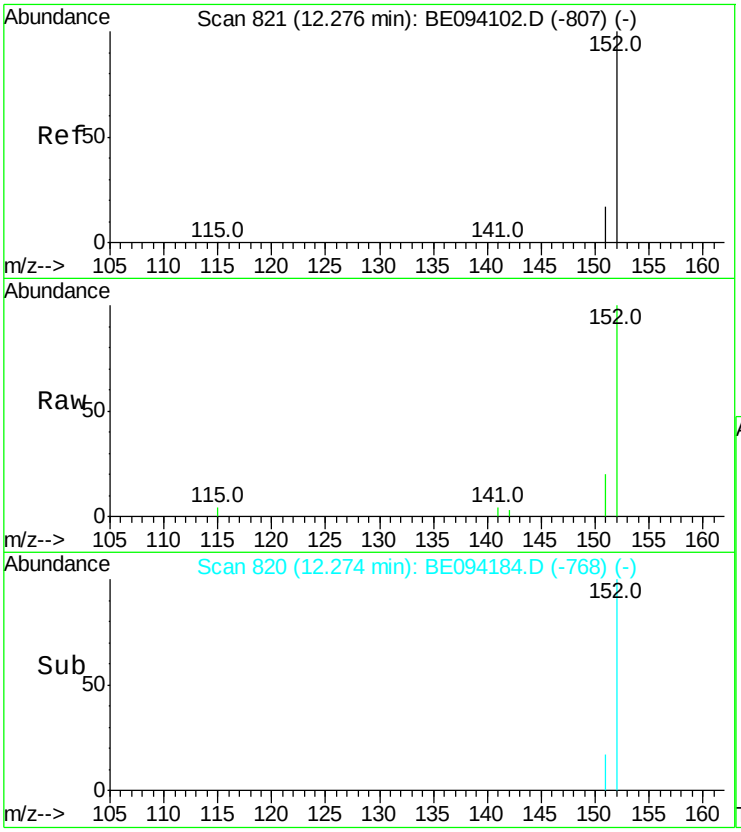


#10
Hexachlorobutadiene
Concen: 0.264 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:225 Resp: 723

Ion	Ratio	Lower	Upper
225	100		
223	63.6	53.0	79.6
227	64.7	51.4	77.2



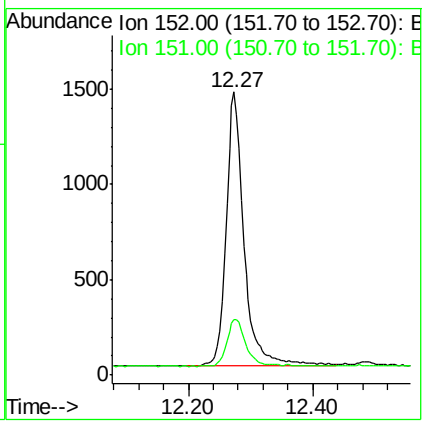


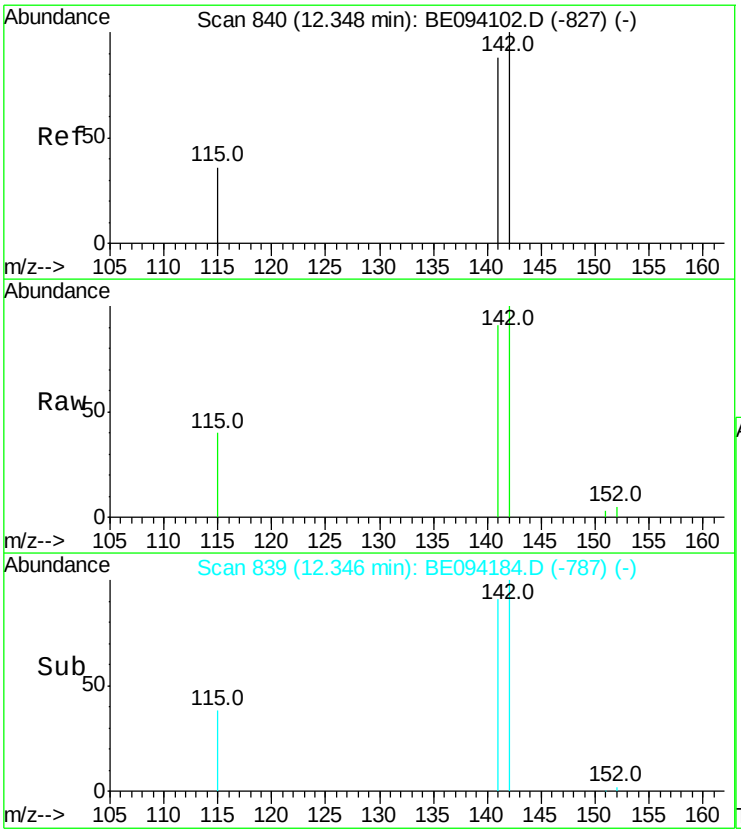
#11
2-Methylnaphthalene-d10
Concen: 0.294 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:152 Resp: 2894

Ion	Ratio	Lower	Upper
152	100		
151	17.6	15.4	23.0

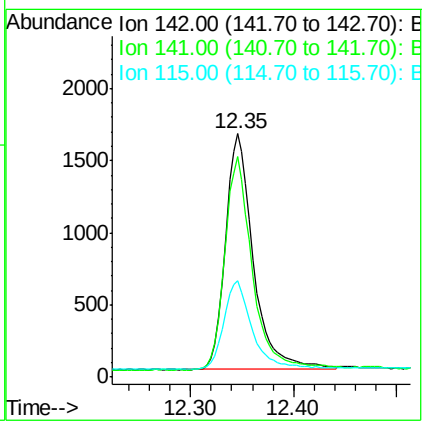


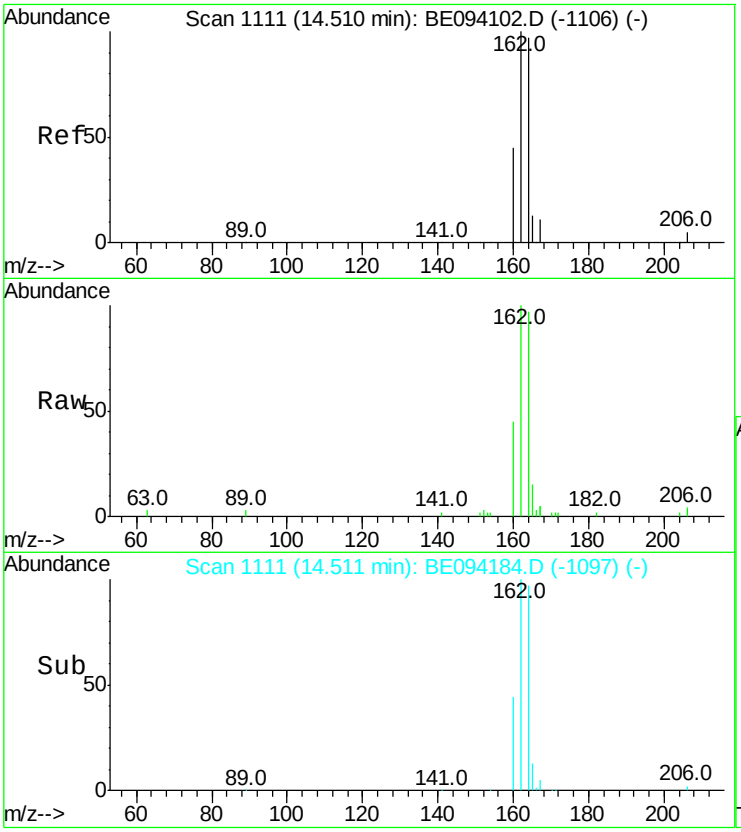


#12
2-Methylnaphthalene
Concen: 0.262 ng
RT: 12.35 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:142 Resp: 3102

Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.4	105.6
115	39.6	31.7	47.5



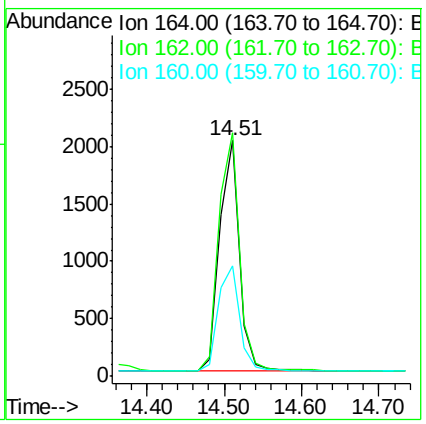


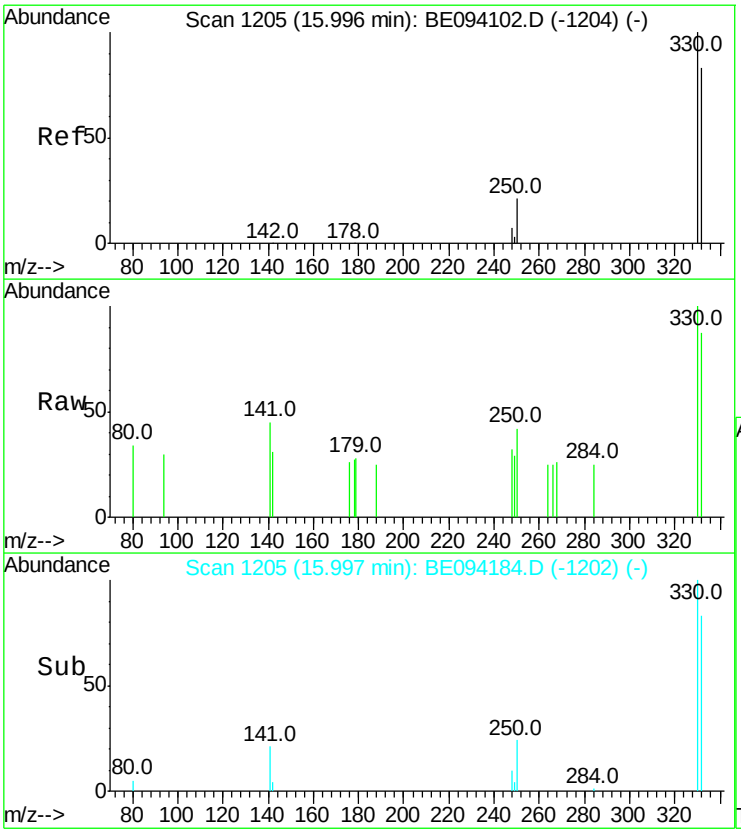
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:164 Resp: 3555

Ion	Ratio	Lower	Upper
164	100		
162	103.3	83.1	124.7
160	47.0	37.1	55.7

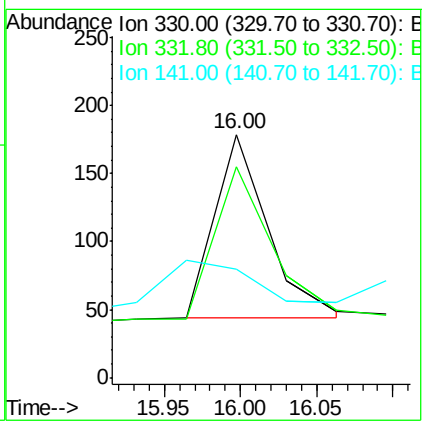


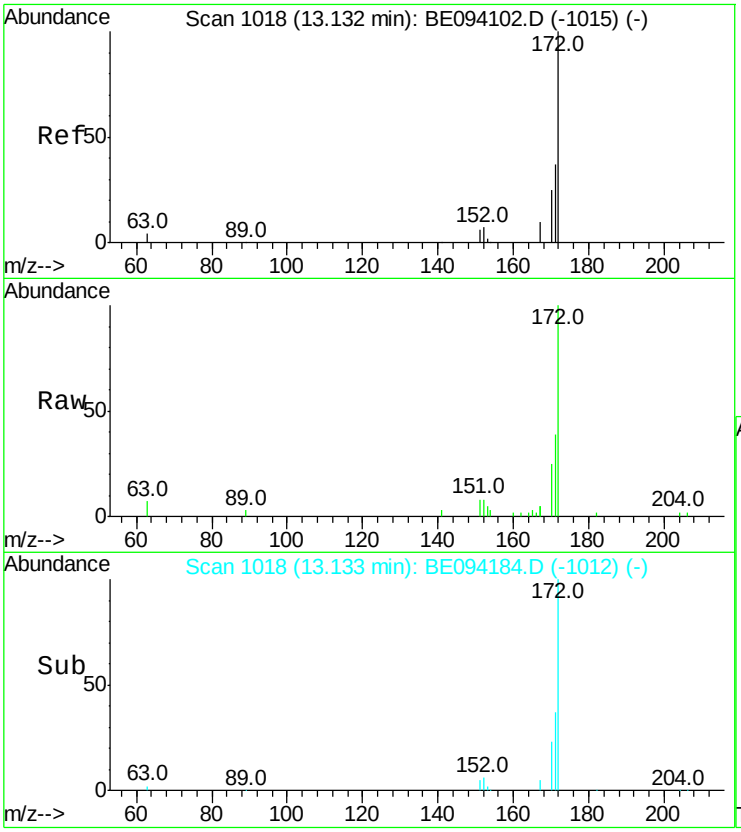


#14
2,4,6-Tribromophenol
Concen: 0.212 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:330 Resp: 327

Ion	Ratio	Lower	Upper
330	100		
332	90.2	152.7	229.1#
141	0.0	33.7	50.5#



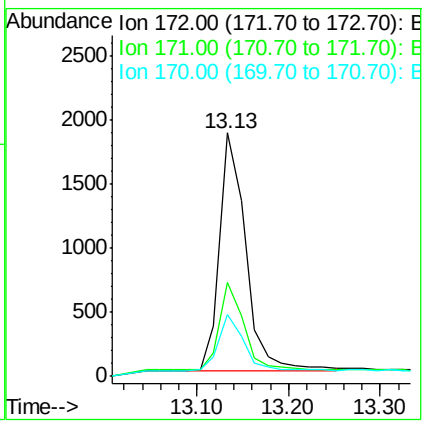


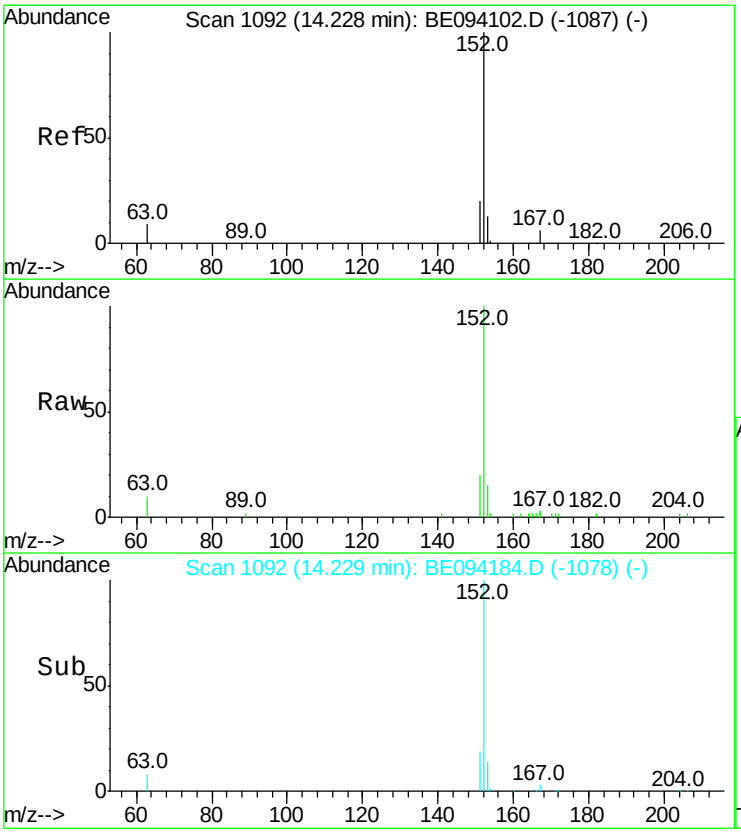
#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:172 Resp: 3691

Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.9	44.9
170	25.2	21.8	32.8

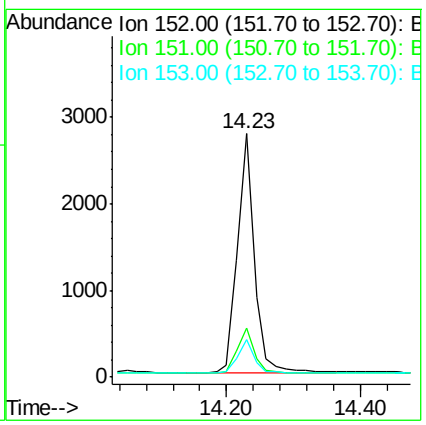


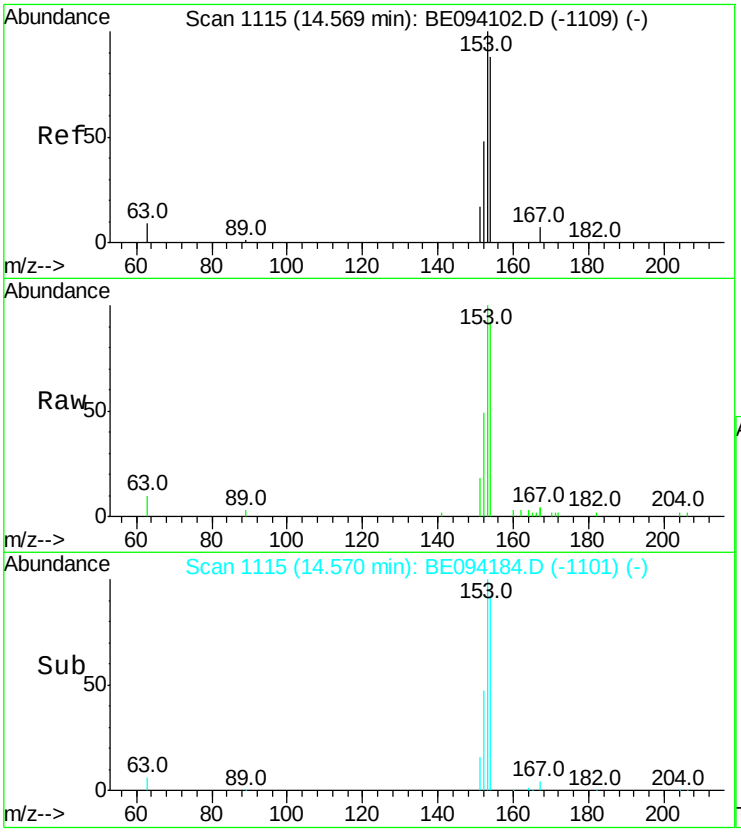


#16
Acenaphthylene
Concen: 0.266 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:152 Resp: 4782

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	14.0	10.5	15.7



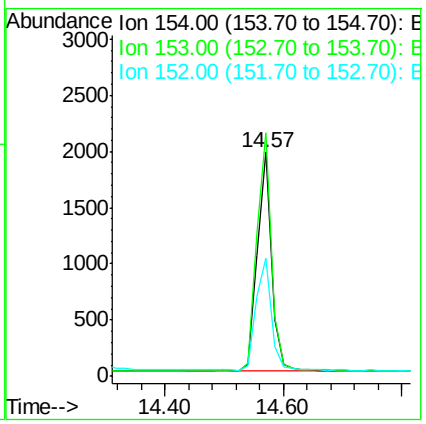


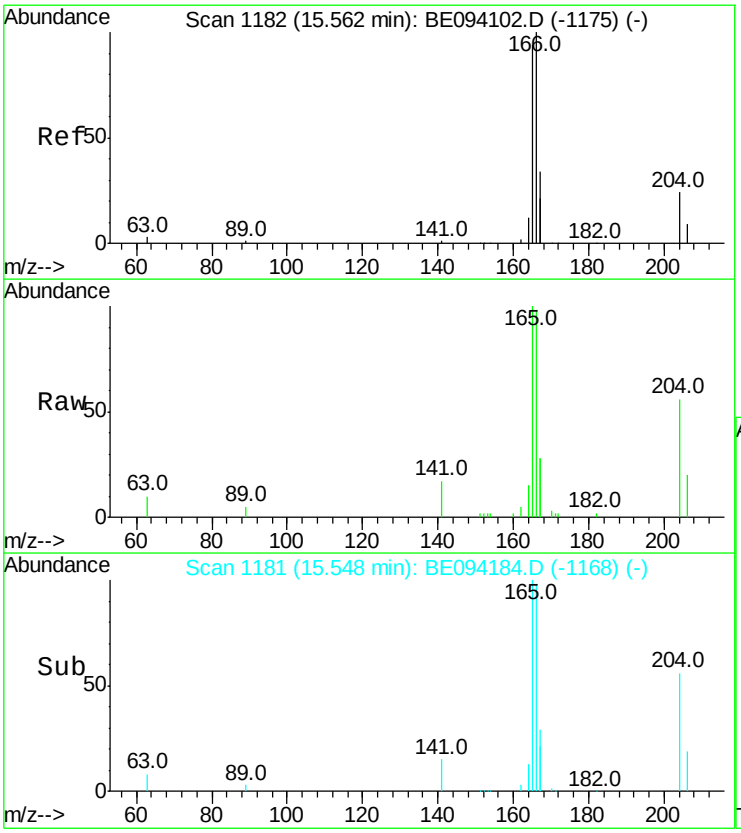
#17
Acenaphthene
Concen: 0.272 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:154 Resp: 3233

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.2	133.8
152	53.9	42.0	63.0

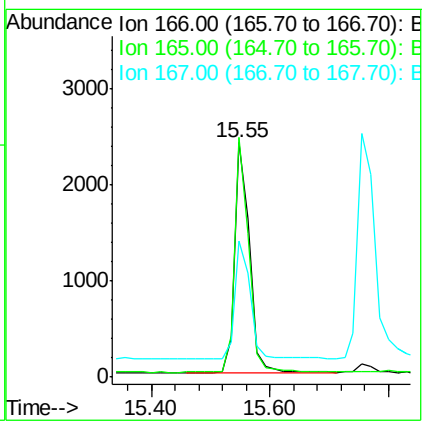


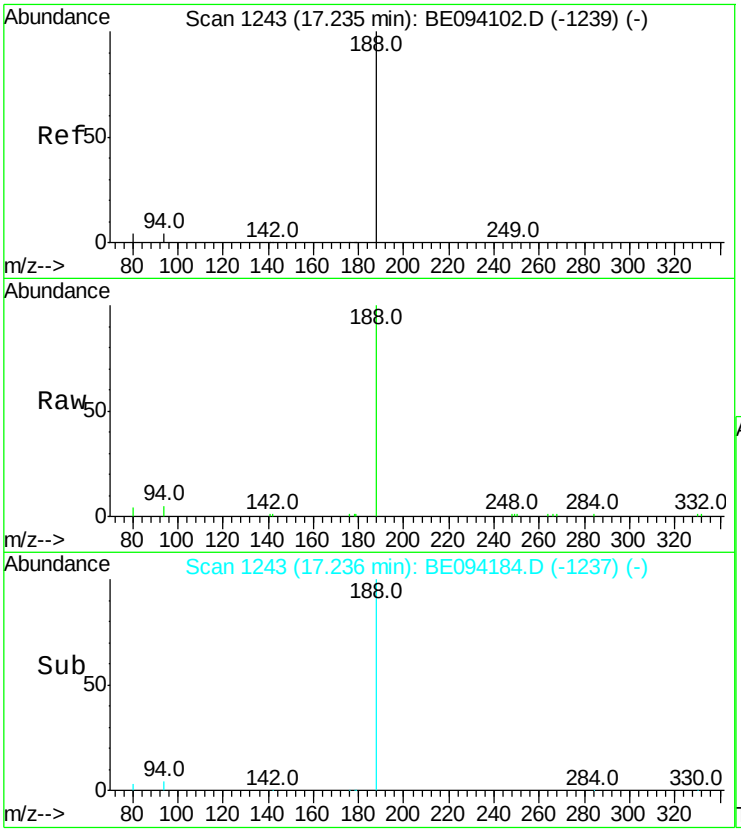


#18
Fluorene
Concen: 0.272 ng
RT: 15.55 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:166 Resp: 4233

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	54.7	42.4	63.6



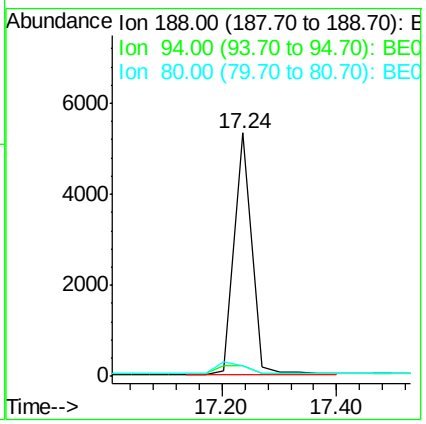


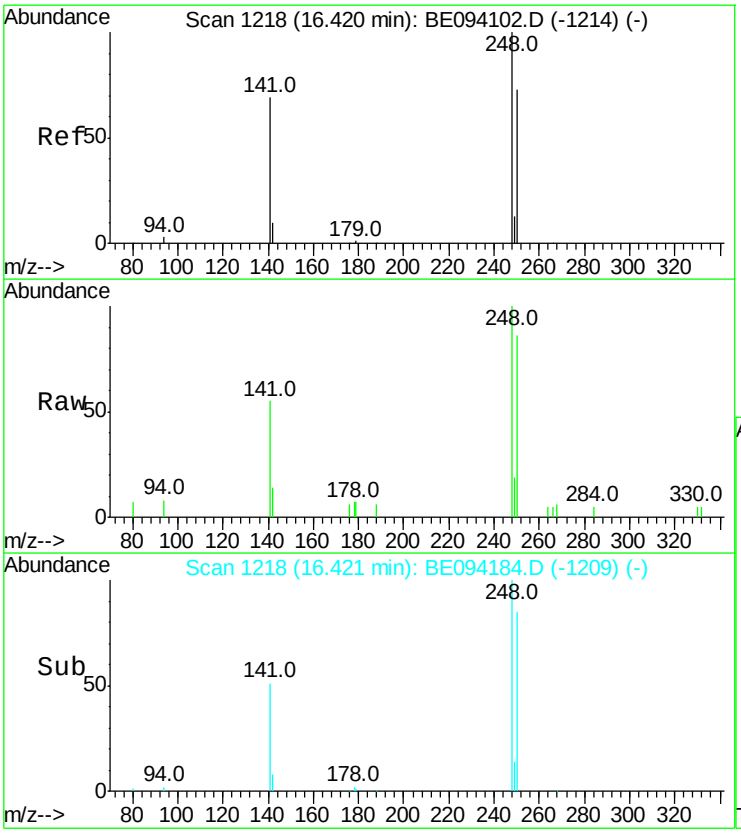
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:188 Resp: 11077

Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.9	5.9
80	4.2	3.6	5.4

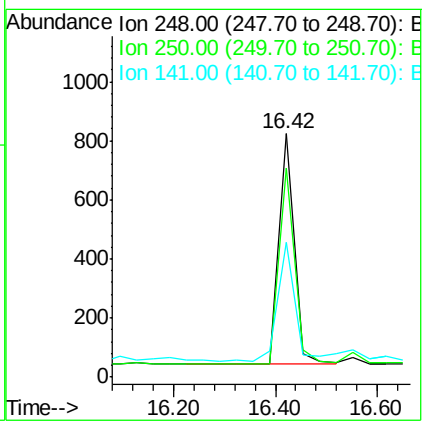


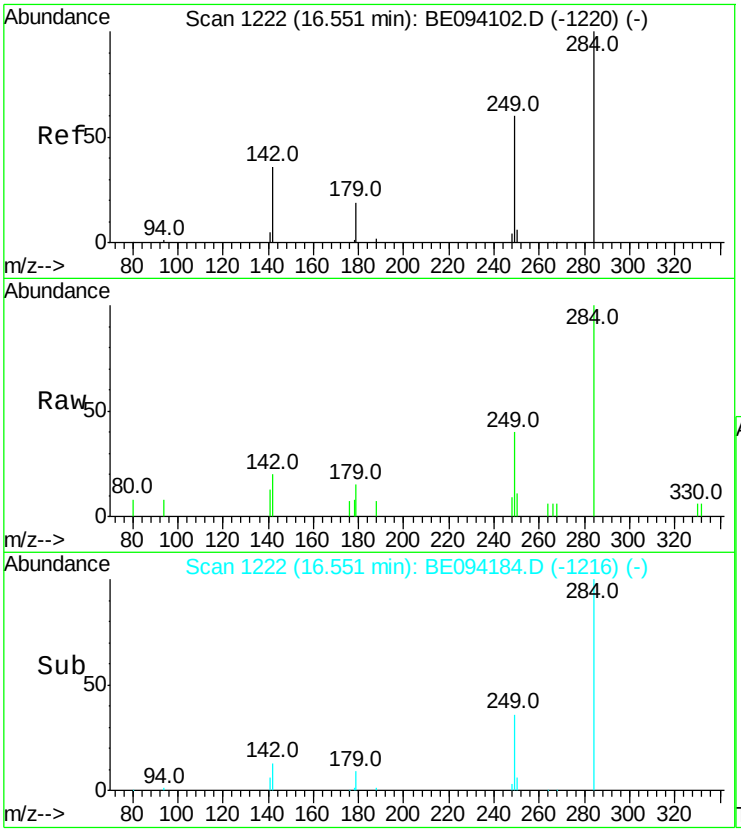


#20
4-Bromophenyl-phenylether
Concen: 0.254 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:248 Resp: 1623

Ion	Ratio	Lower	Upper
248	100		
250	85.9	62.7	94.1
141	55.5	48.2	72.2



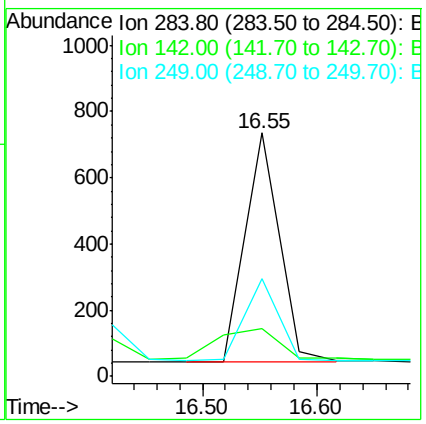


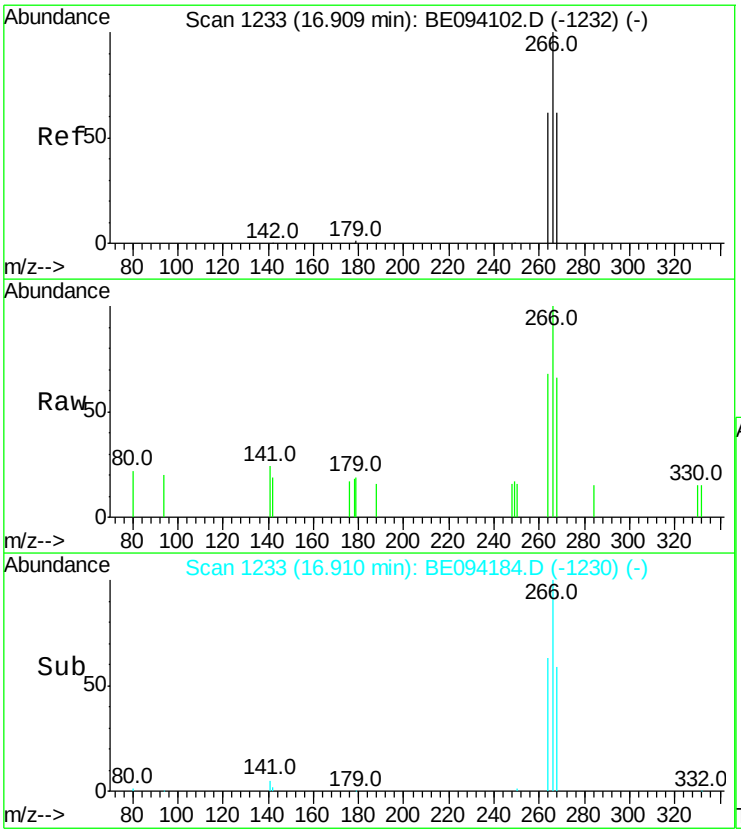
#21
Hexachlorobenzene
Concen: 0.247 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:284 Resp: 1414

Ion	Ratio	Lower	Upper
284	100		
142	23.0	22.1	33.1
249	35.0	34.8	52.2

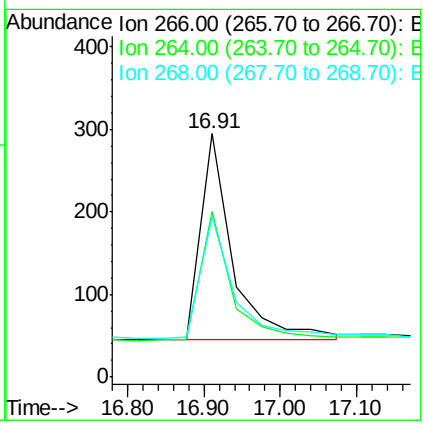


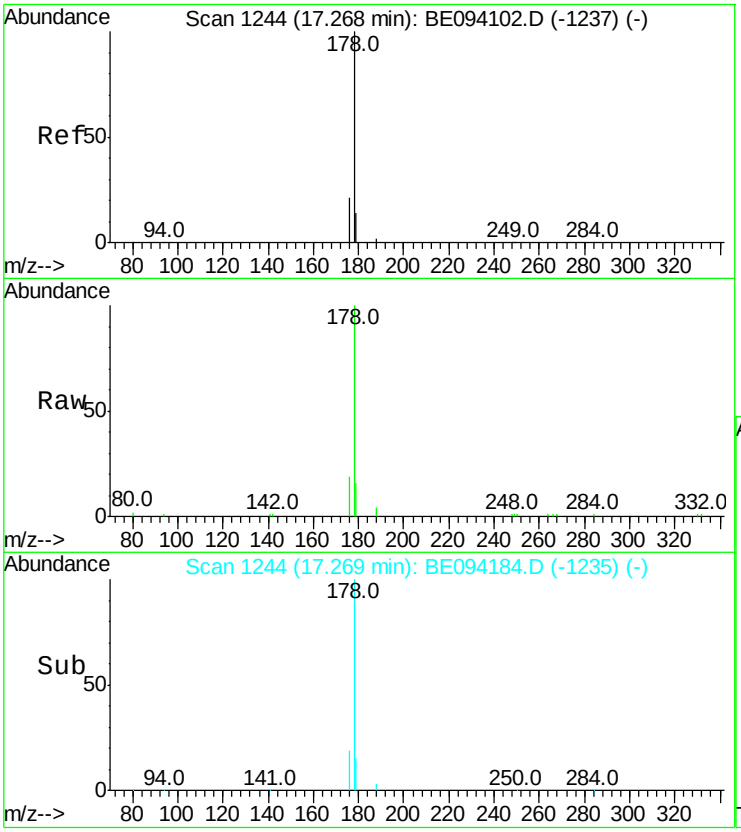


#22
Pentachlorophenol
Concen: 0.462 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:266 Resp: 718

Ion	Ratio	Lower	Upper
266	100		
264	68.1	72.5	108.7#
268	66.1	73.8	110.6#



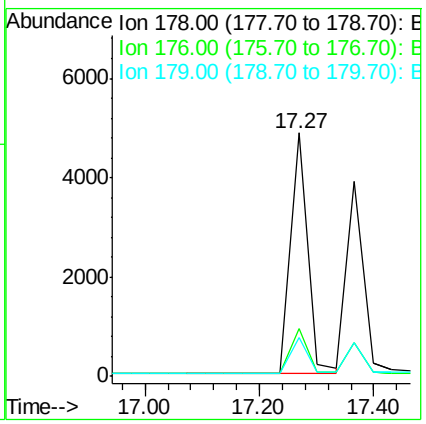


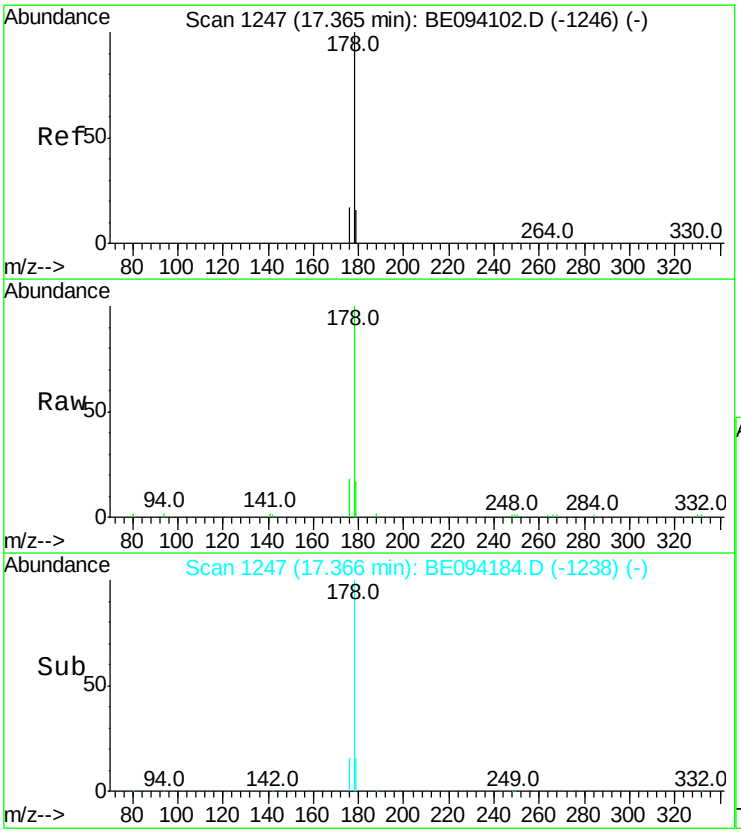
#23
Phenanthrene
Concen: 0.263 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:178 Resp: 10088

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.2	11.8	17.6

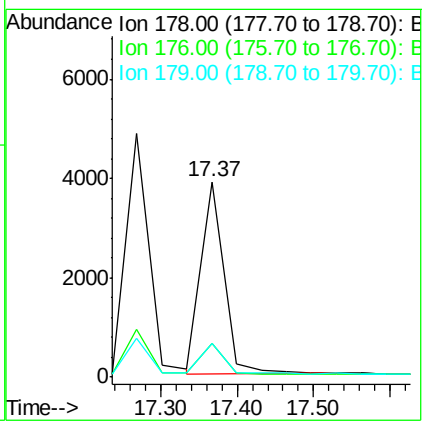


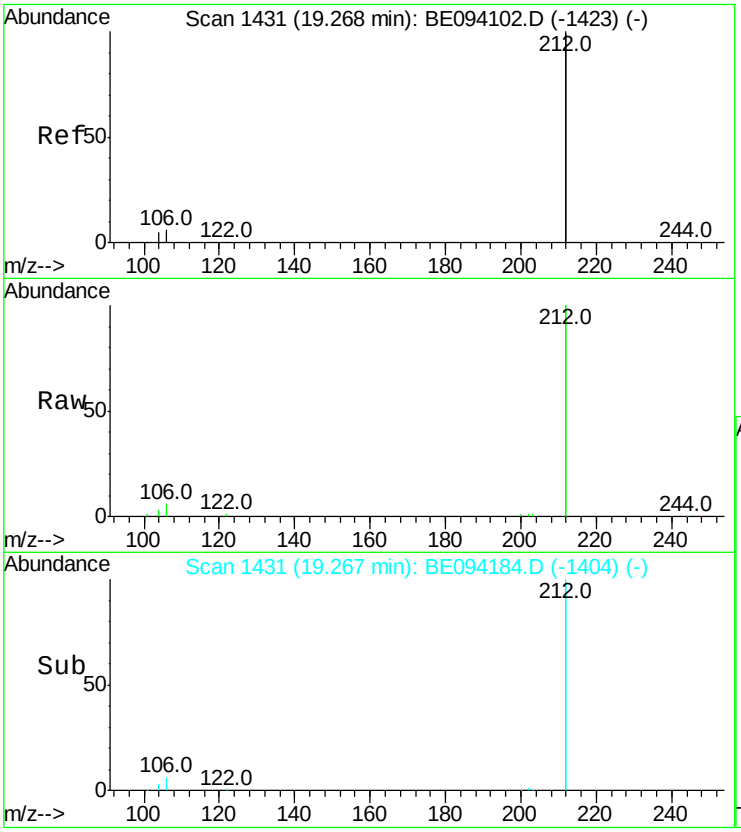


#24
Anthracene
Concen: 0.278 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:178 Resp: 8134

Ion	Ratio	Lower	Upper
178	100		
176	16.4	12.8	19.2
179	16.0	13.0	19.6



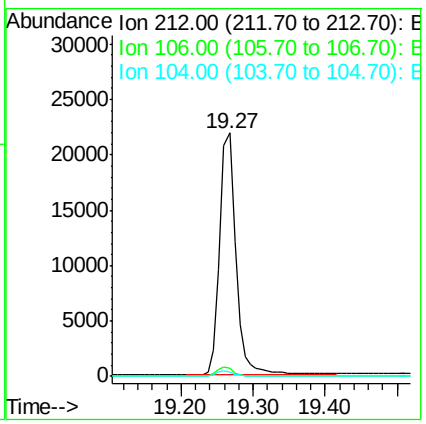


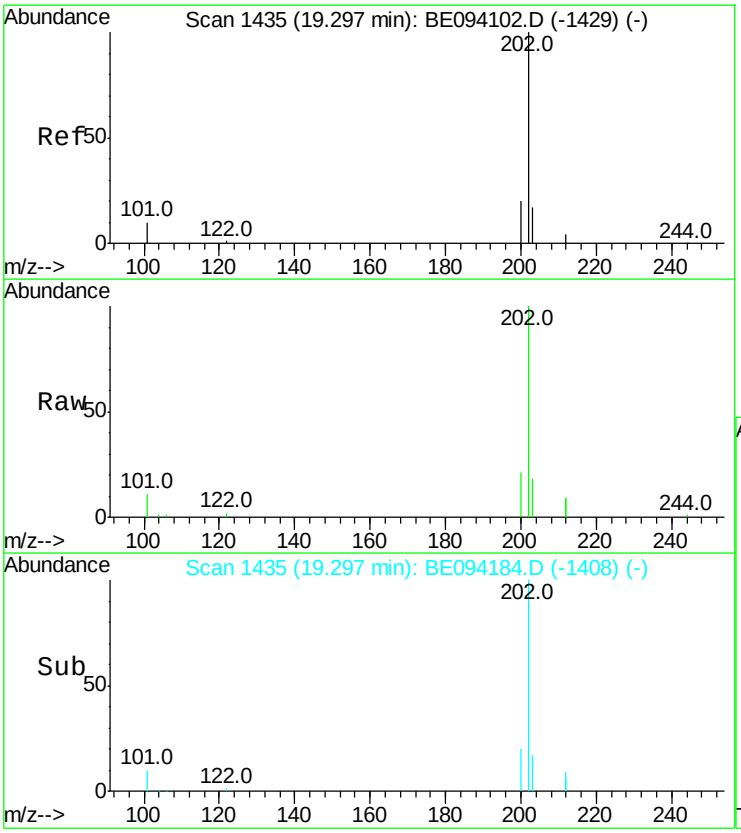
#25
Fluoranthene-d10
Concen: 0.304 ng
RT: 19.27 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:212 Resp: 33661

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

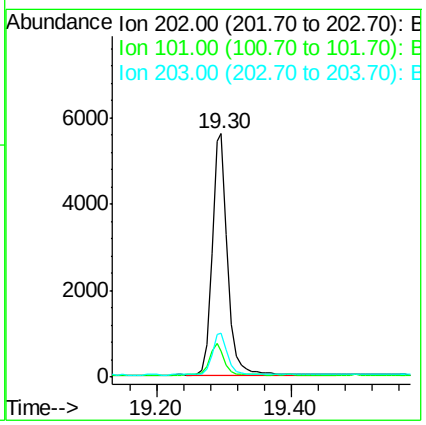


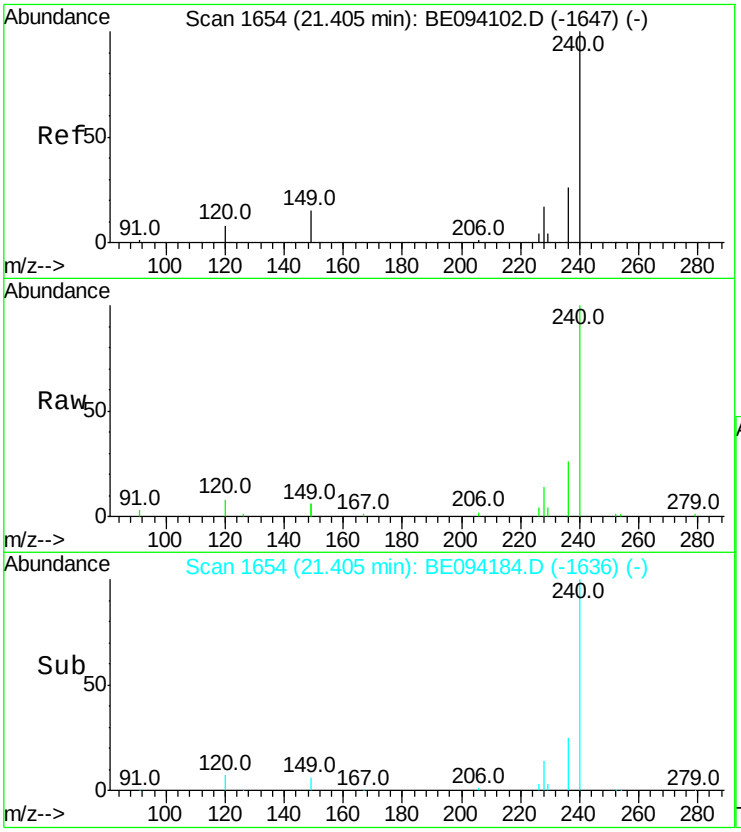


#26
Fluoranthene
Concen: 0.267 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:202 Resp: 8988

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
203	17.4	13.7	20.5



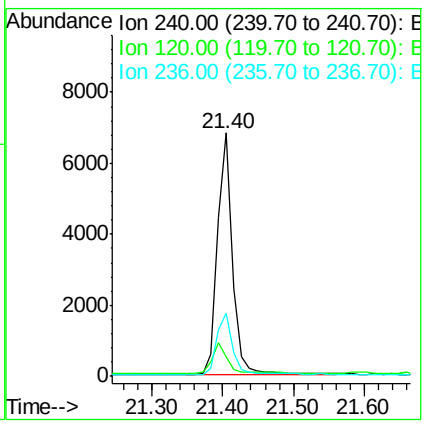


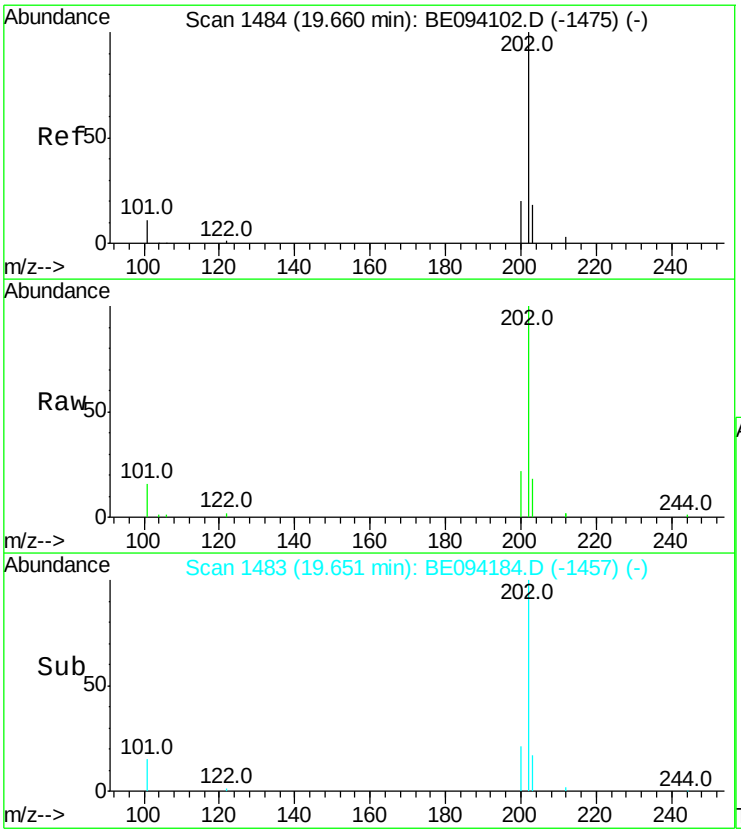
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:240 Resp: 10294

Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.5	8.3
236	26.1	20.7	31.1

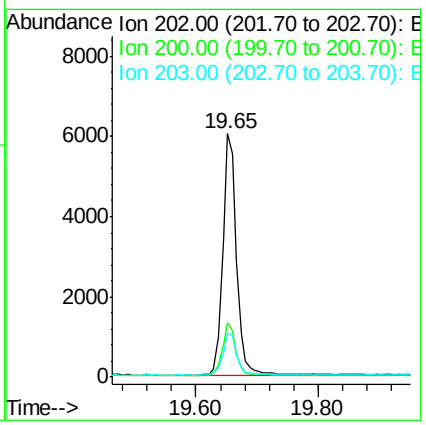


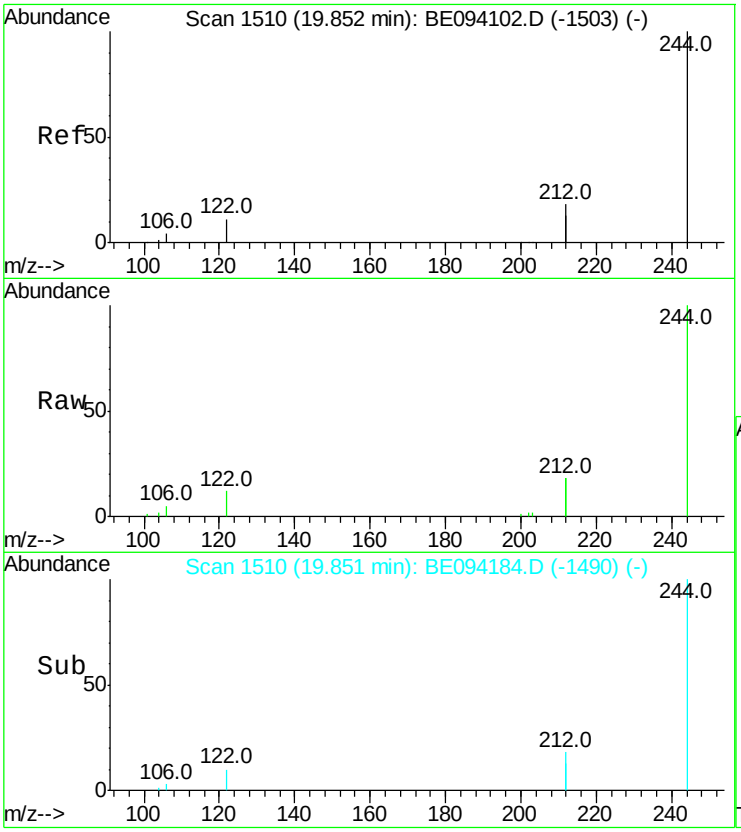


#28
Pyrene
Concen: 0.263 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:202 Resp: 9296

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.6	13.8	20.8



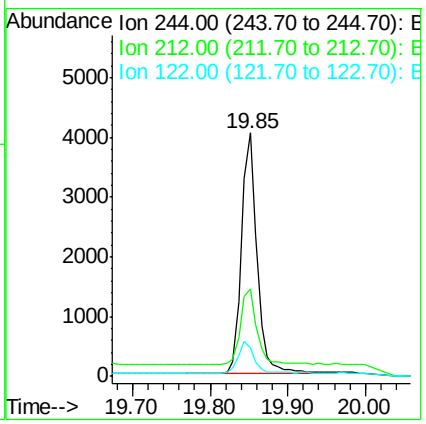


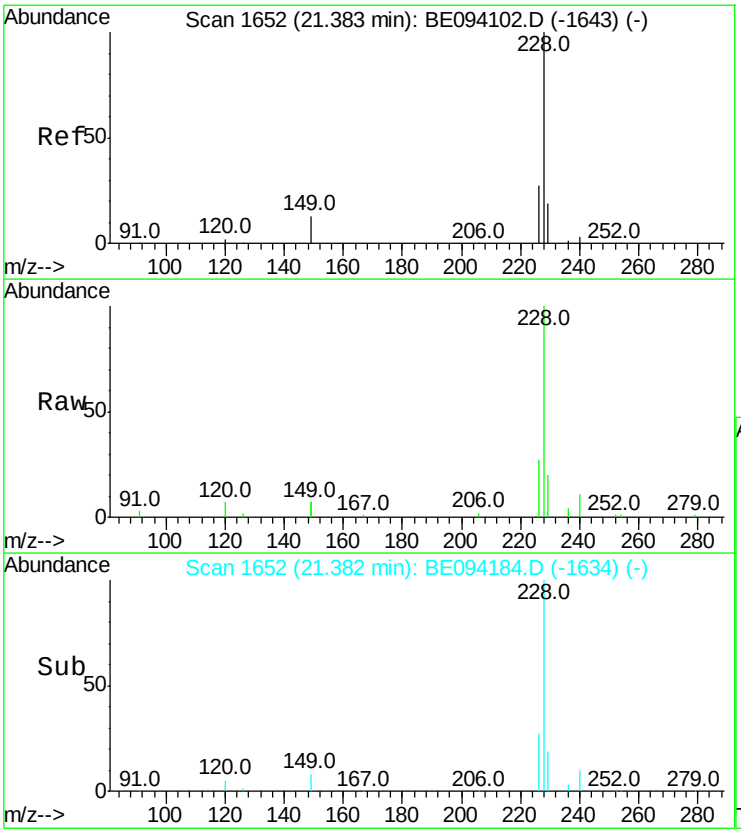
#29
Terphenyl-d14
Concen: 0.291 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:244 Resp: 5662

Ion	Ratio	Lower	Upper
244	100		
212	35.9	25.4	38.0
122	11.5	8.1	12.1

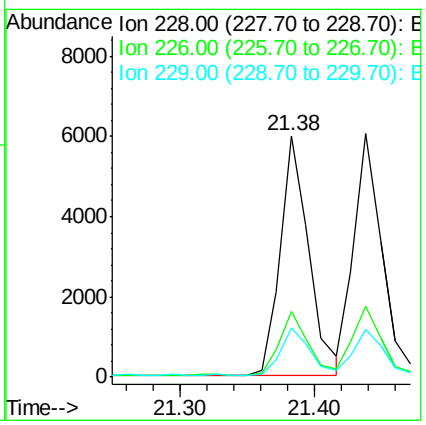


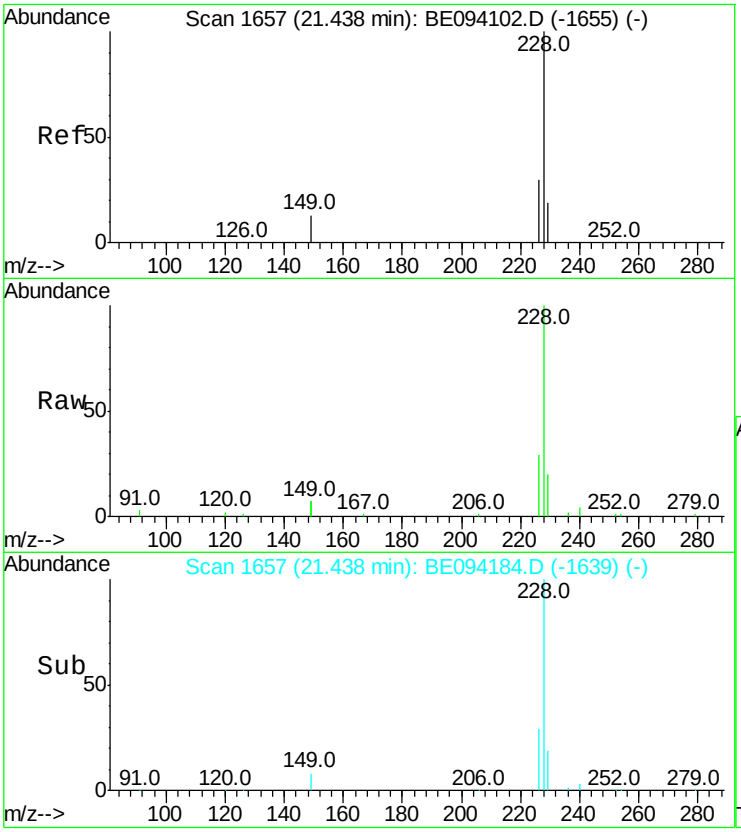


#30
Benzo(a)anthracene
Concen: 0.263 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:228 Resp: 8886

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.0
229	20.2	16.4	24.6



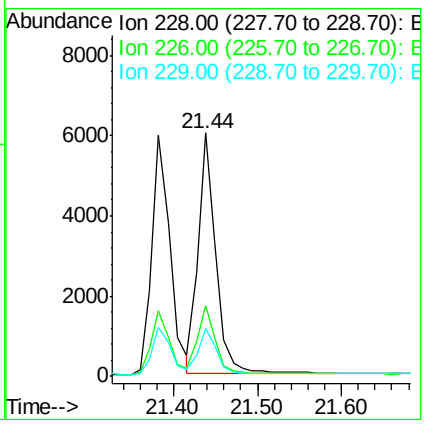


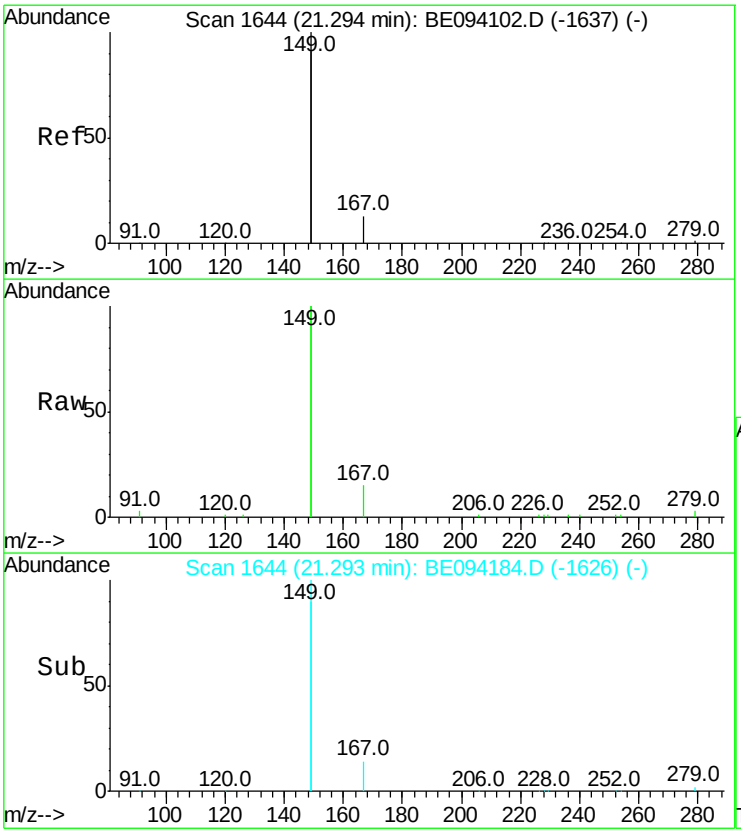
#31
Chrysene
Concen: 0.267 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:228 Resp: 8894

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	19.8	16.4	24.6

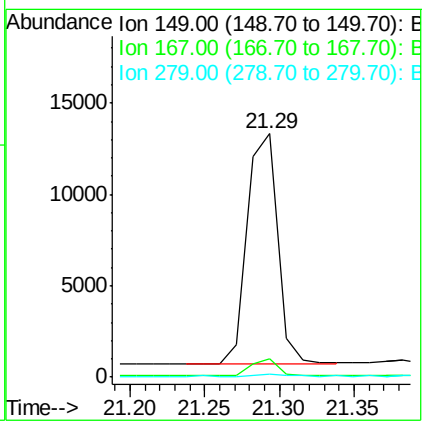


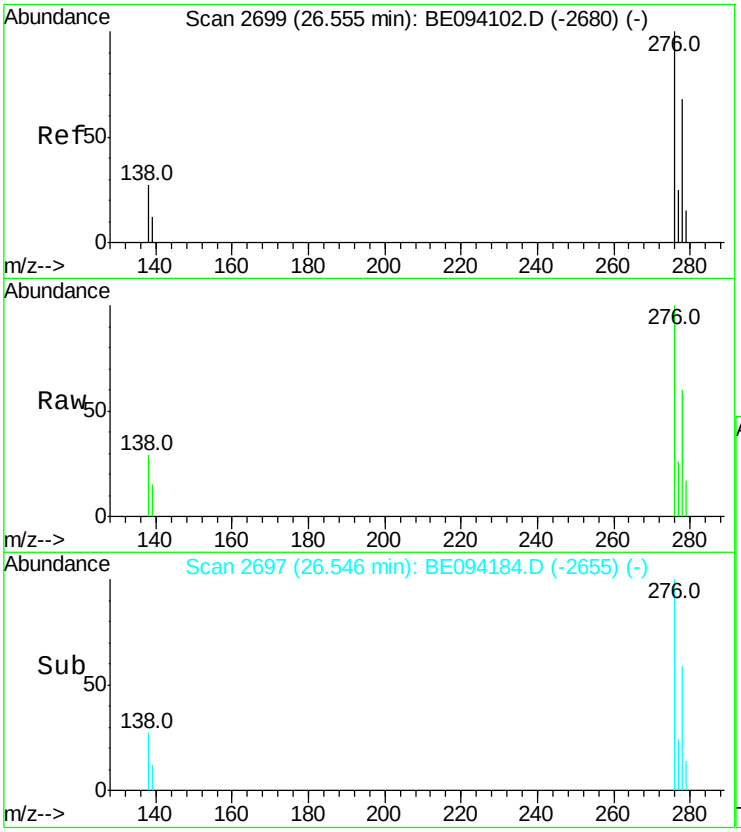


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.229 ng
RT: 21.29 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:149 Resp: 17869

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1



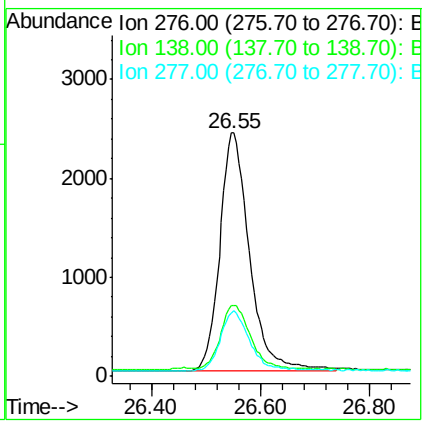


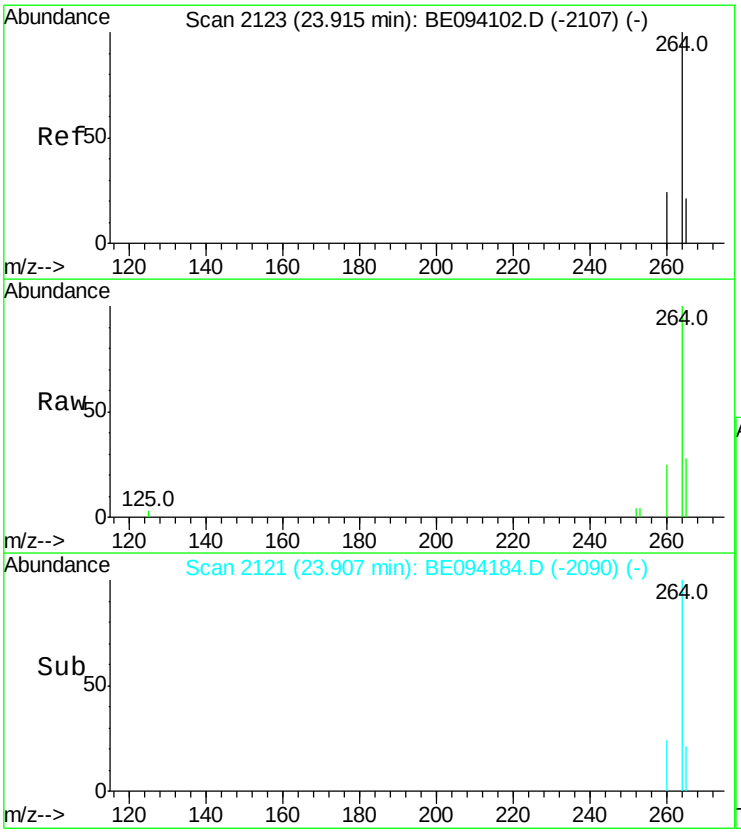
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.275 ng
RT: 26.55 min Scan# 2697
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:276 Resp: 9102

Ion	Ratio	Lower	Upper
276	100		
138	27.2	22.5	33.7
277	25.0	19.9	29.9

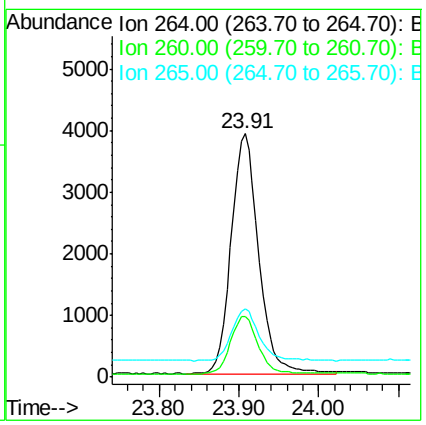


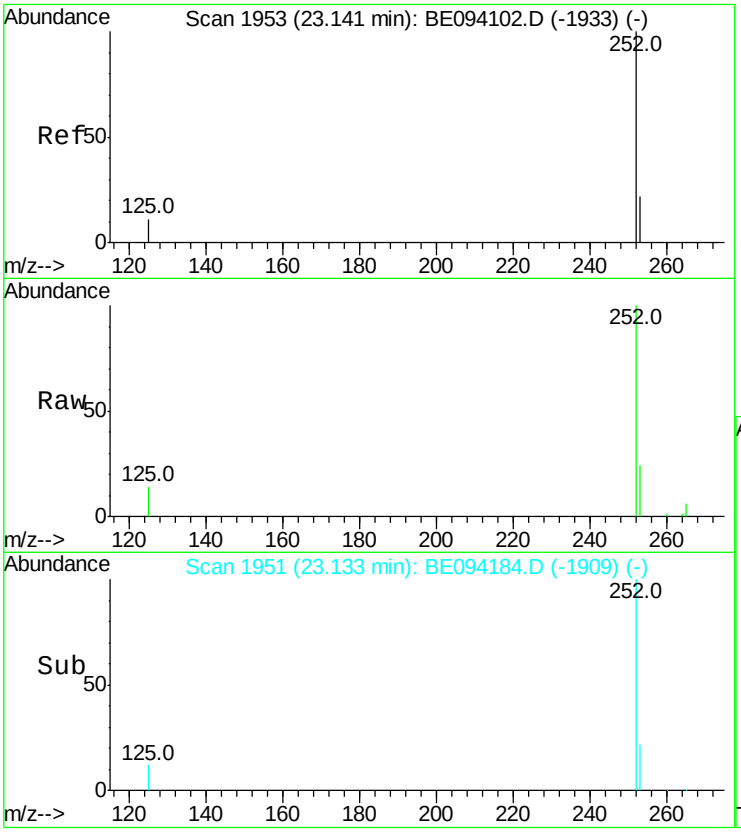


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:264 Resp: 9301

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.5	30.7
265	27.9	22.8	34.2



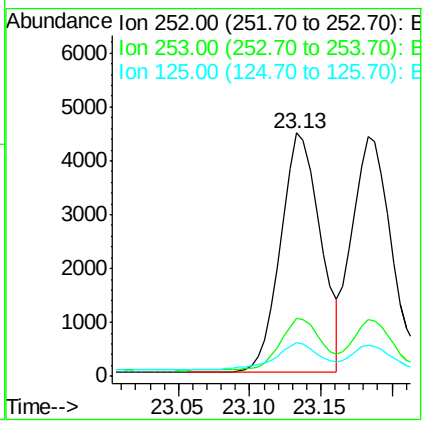


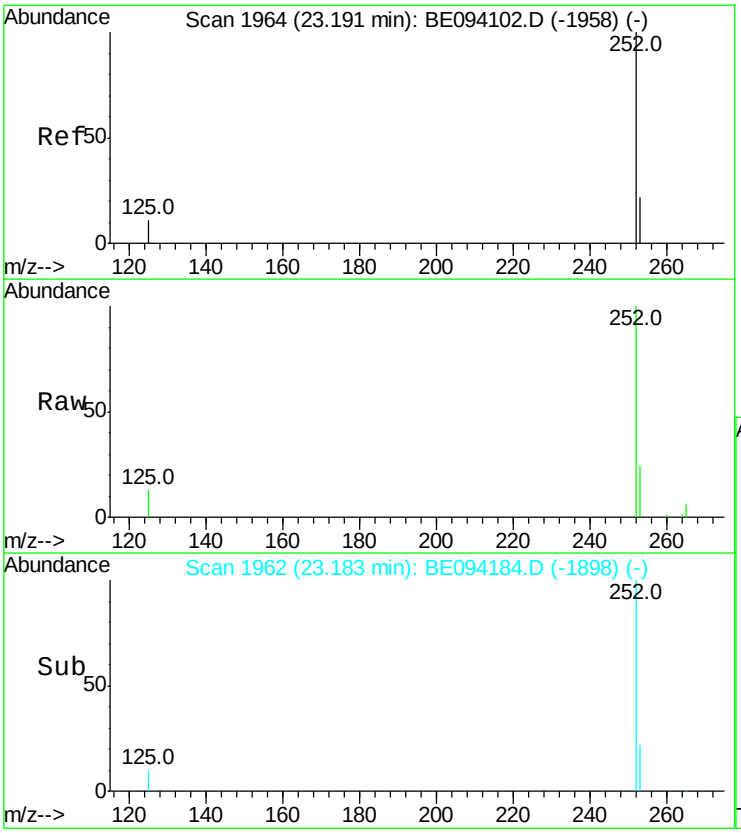
#35
Benzo(b)fluoranthene
Concen: 0.275 ng
RT: 23.13 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:252 Resp: 8604

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	14.1	10.1	15.1

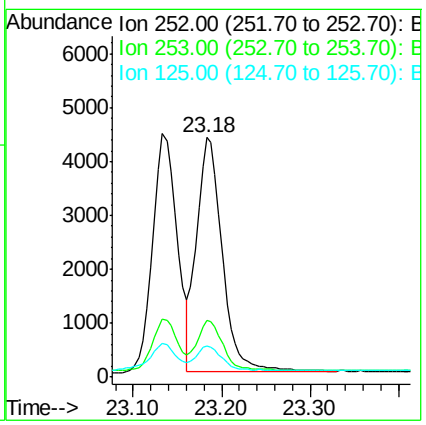


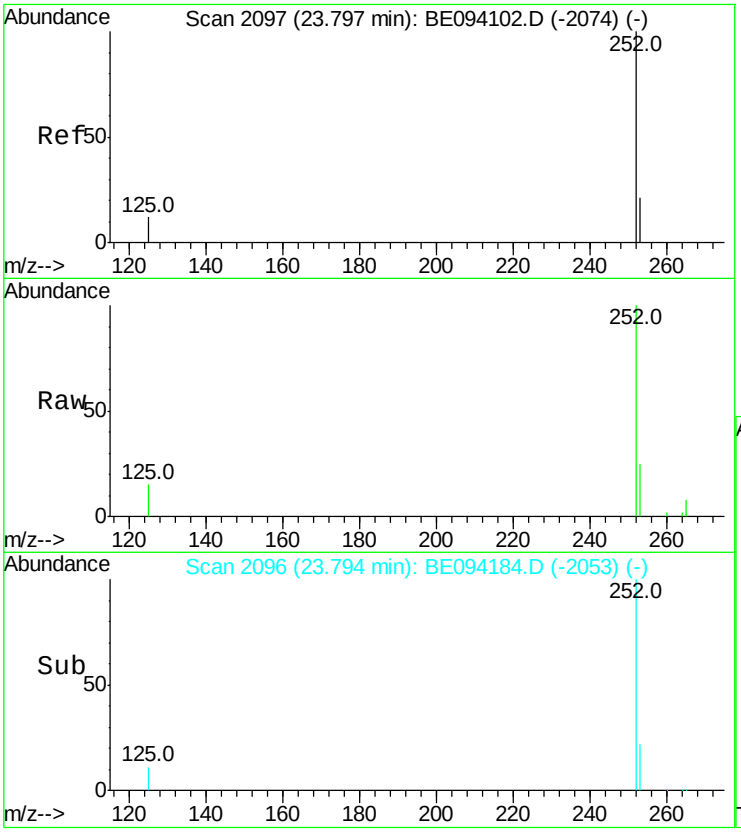


#36
Benzo(k)fluoranthene
Concen: 0.277 ng
RT: 23.18 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:252 Resp: 8816

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	13.0	10.7	16.1



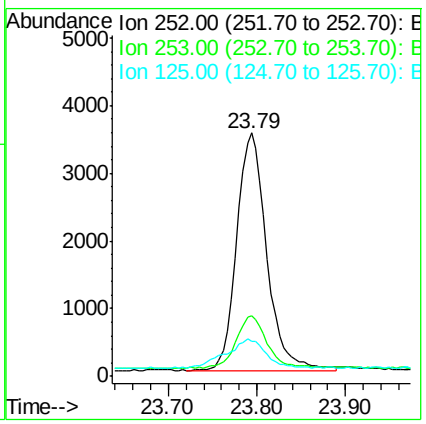


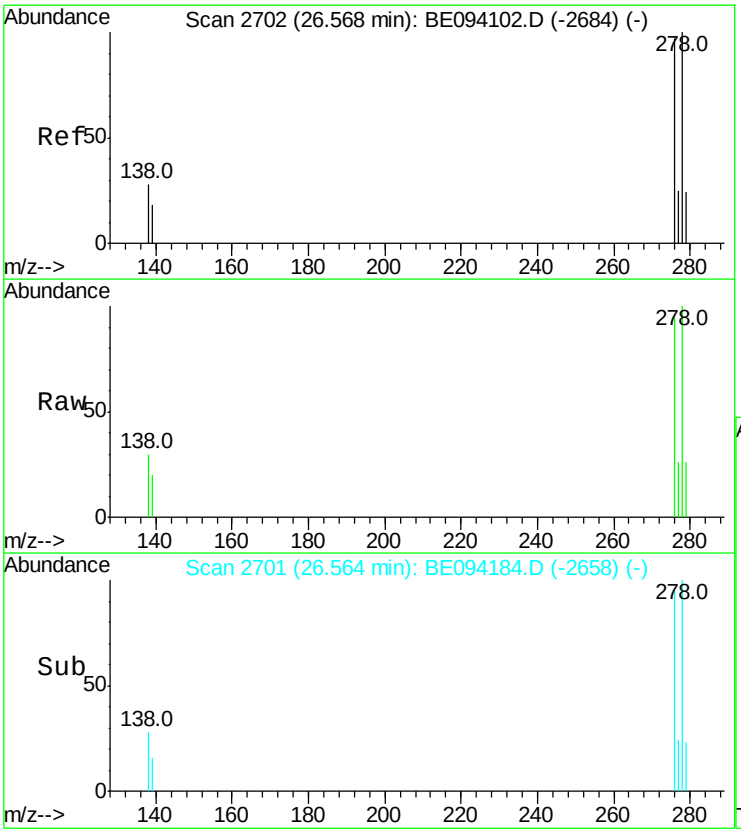
#37
Benzo(a)pyrene
Concen: 0.280 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:252 Resp: 8274

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.6
125	14.6	11.8	17.8

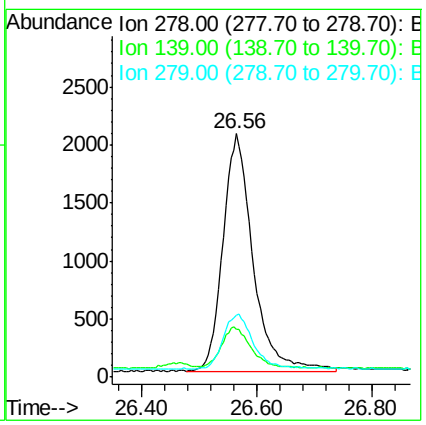


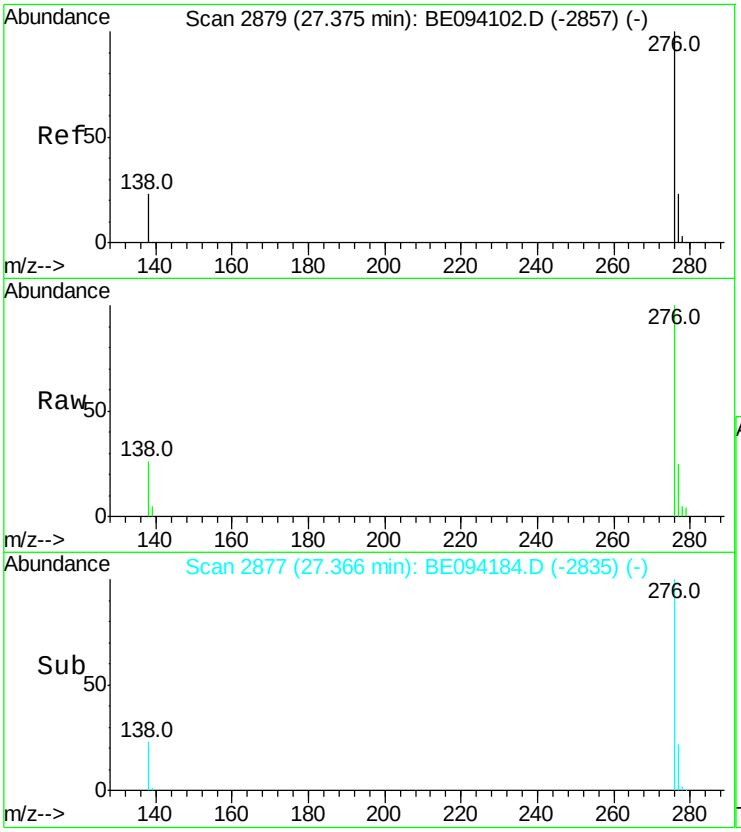


#38
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 26.56 min Scan# 2701
Delta R.T. -0.00 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Tgt Ion:278 Resp: 7478

Ion	Ratio	Lower	Upper
278	100		
139	19.7	16.3	24.5
279	25.5	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.274 ng
RT: 27.37 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE094184.D
Acq: 6 Oct 2017 18:12

Instrument :
BNA_E
ClientSampleId :
PB102941BS

Tgt Ion:276 Resp: 7672

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.8	31.2
138	25.9	21.5	32.3