Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE120517\
Data File : BE094947.D
Acq On : 6 Dec 2017 12:07
Operator : SJ/JU
Sample : PB104743BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB104743BS

Quant Time: Dec 06 13:59:43 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	8285	0.40	ng		-0.01
7) Naphthalene-d8	11.33	136	17698	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	8698	0.40	ng		-0.02
19) Phenanthrene-d10	17.77	188	19967	0.40	ng		0.00
27) Chrysene-d12	21.87	240	22753	0.40	ng		-0.01
34) Perylene-d12	24.55	264	18809	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.96	112	4957	0.38	ng		0.00
5) Phenol-d6	7.59	99	7049	0.36	ng		0.00
8) Nitrobenzene-d5	9.65	82	5342	0.51	ng		-0.02
11) 2-Methylnaphthalene-d10	12.86	152	9616	0.34	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	809	0.45	ng		0.00
15) 2-Fluorobiphenyl	13.71	172	14491	0.39	ng		0.00
25) Fluoranthene-d10	19.75	212	90596	0.33	ng		0.00
29) Terphenyl-d14	20.31	244	17105	0.41	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.68	88	2580	0.298	ng	#	22
3) n-Nitrosodimethylamine	4.02	42	4644	0.420	ng	#	76
6) bis(2-Chloroethyl)ether	7.87	93	7158	0.372	ng		100
9) Naphthalene	11.38	128	79935	0.385	ng		99
10) Hexachlorobutadiene	11.64	225	3458	0.395	ng		97
12) 2-Methylnaphthalene	12.93	142	19486	0.378	ng		99
16) Acenaphthylene	14.79	152	17856	0.363	ng		100
17) Acenaphthene	15.12	154	11776	0.371	ng		96
18) Fluorene	16.10	166	14798	0.366	ng	#	80
20) 4-Bromophenyl-phenylether	16.97	248	4462	0.401	ng	#	88
21) Hexachlorobenzene	17.09	284	4348	0.400	ng	#	79
22) Pentachlorophenol	17.41	266	2358	0.789	ng	#	70
23) Phenanthrene	17.82	178	24563	0.386	ng		98
24) Anthracene	17.91	178	26056	0.386	ng	#	92
26) Fluoranthene	19.78	202	29723	0.363	ng		100
28) Pyrene	20.13	202	33888	0.431	ng		98
30) Benzo(a)anthracene	21.86	228	28923	0.415	ng	#	61
31) Chrysene	21.92	228	30064	0.390	ng	#	63
32) Bis(2-ethylhexyl)phthalate	21.75	149	44805	0.388	ng		100
33) Indeno(1,2,3-cd)pyrene	27.42	276	28997	0.460	ng		100
35) Benzo(b)fluoranthene	23.72	252	27531	0.401	ng	#	40
36) Benzo(k)fluoranthene	23.77	252	27528	0.393	ng	#	40
37) Benzo(a)pyrene	24.43	252	25514	0.424	ng	#	34
38) Dibenzo(a,h)anthracene	27.44	278	24277	0.437	ng	#	43
39) Benzo(g,h,i)perylene	28.30	276	24831	0.447	ng	#	52

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

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE120517\
Data File : BE094947.D
Acq On : 6 Dec 2017 12:07
Operator : SJ/JU
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Misc :
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Instrument :
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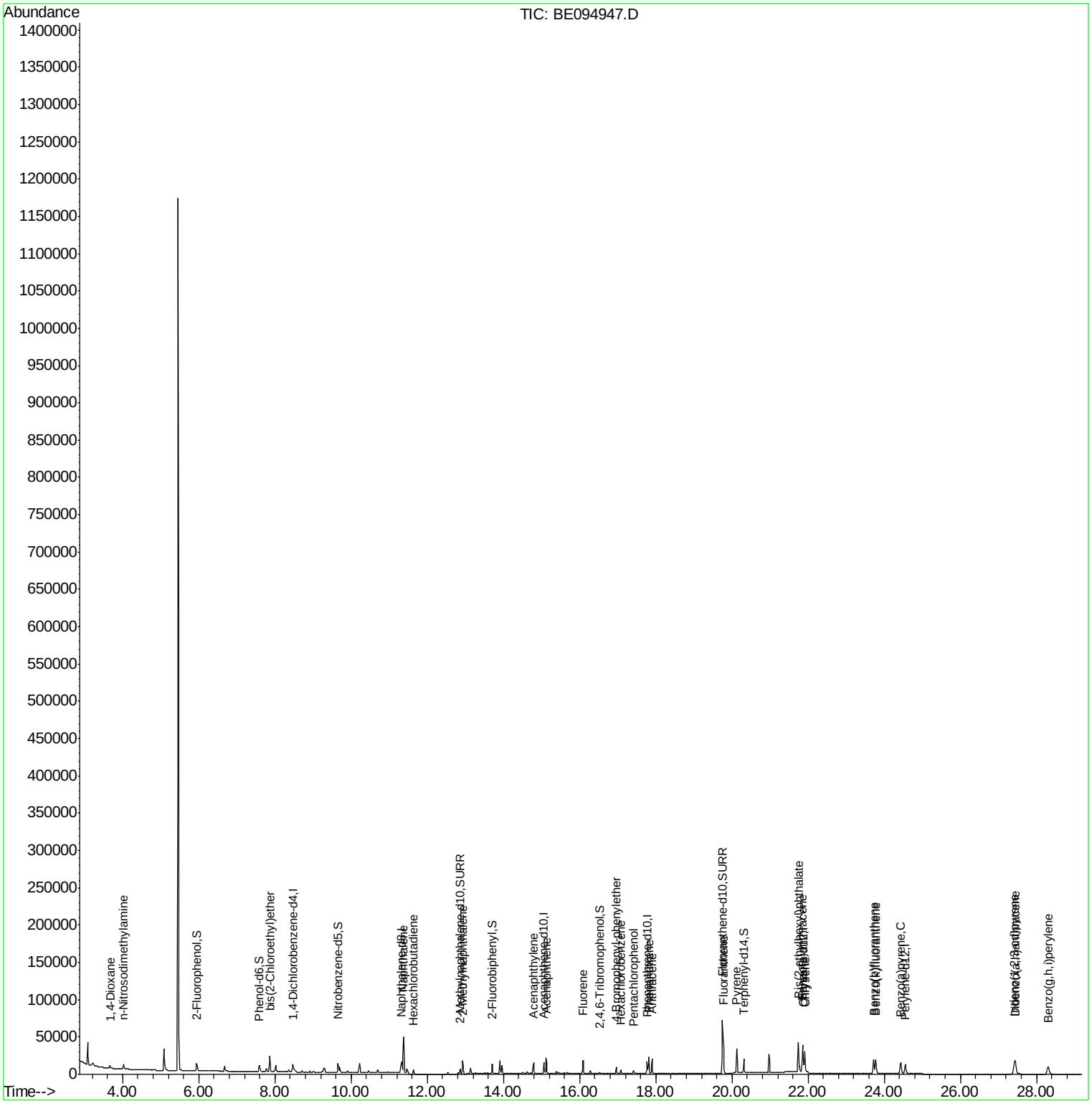
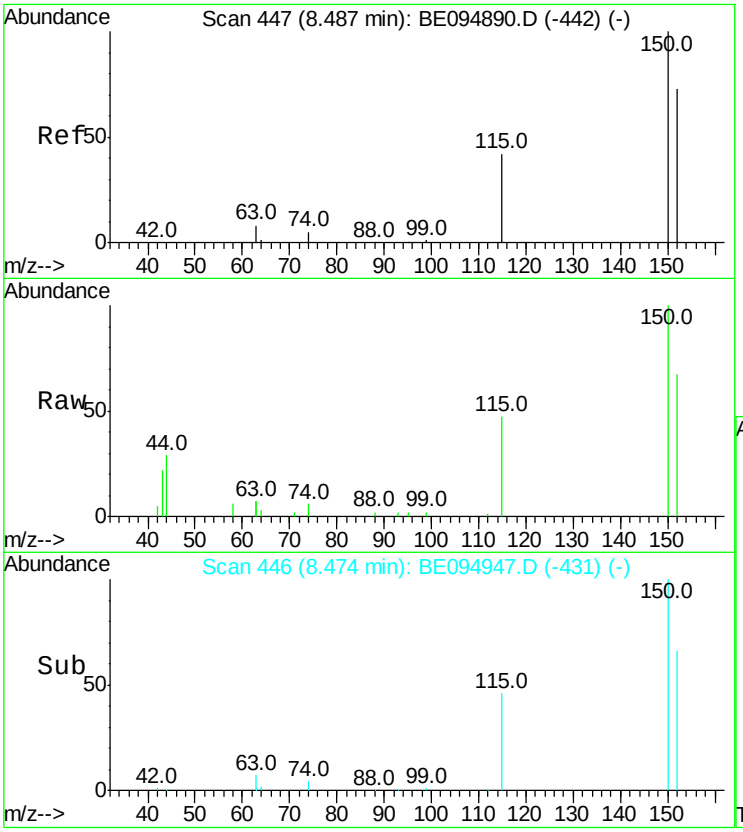
ClientSampleId :
PB104743BS

Quant Time: Dec 06 13:59:43 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration



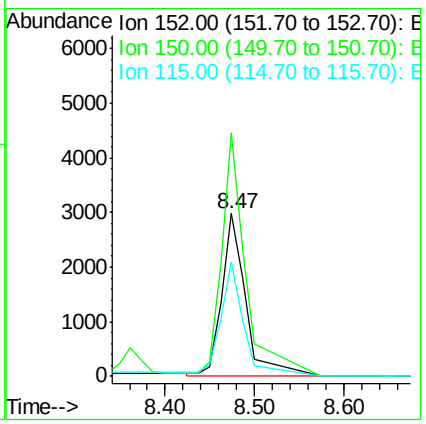


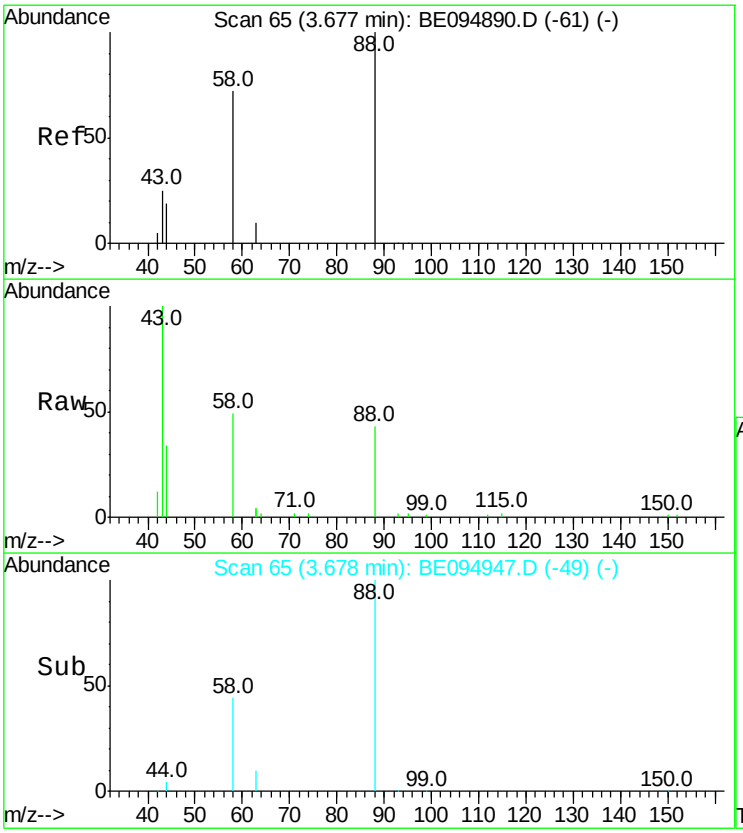
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:152 Resp: 8285

Ion	Ratio	Lower	Upper
152	100		
150	149.9	117.2	175.8
115	70.5	57.0	85.6

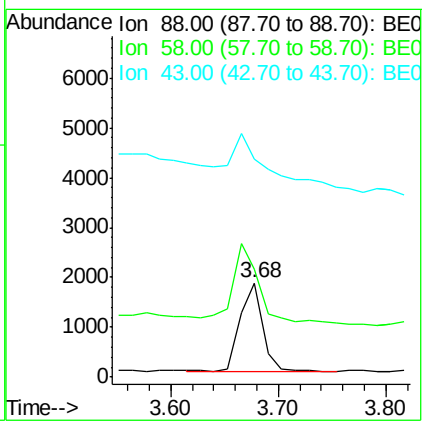


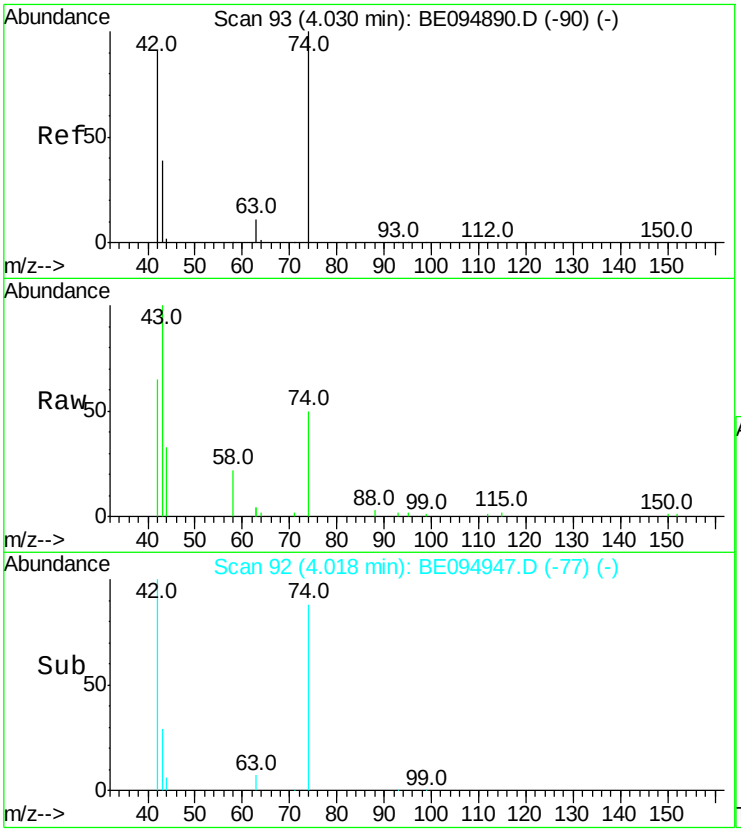


#2
1,4-Dioxane
Concen: 0.298 ng
RT: 3.68 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion: 88 Resp: 2580

Ion	Ratio	Lower	Upper
88	100		
58	116.6	63.2	94.8#
43	143.3	41.2	61.8#



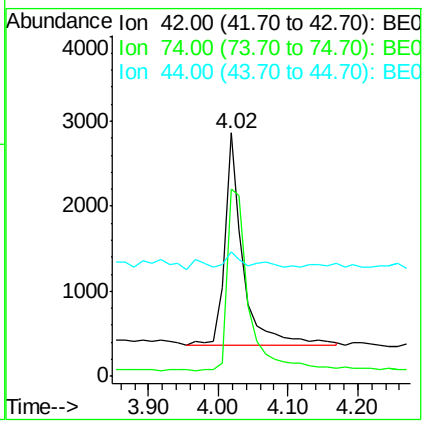


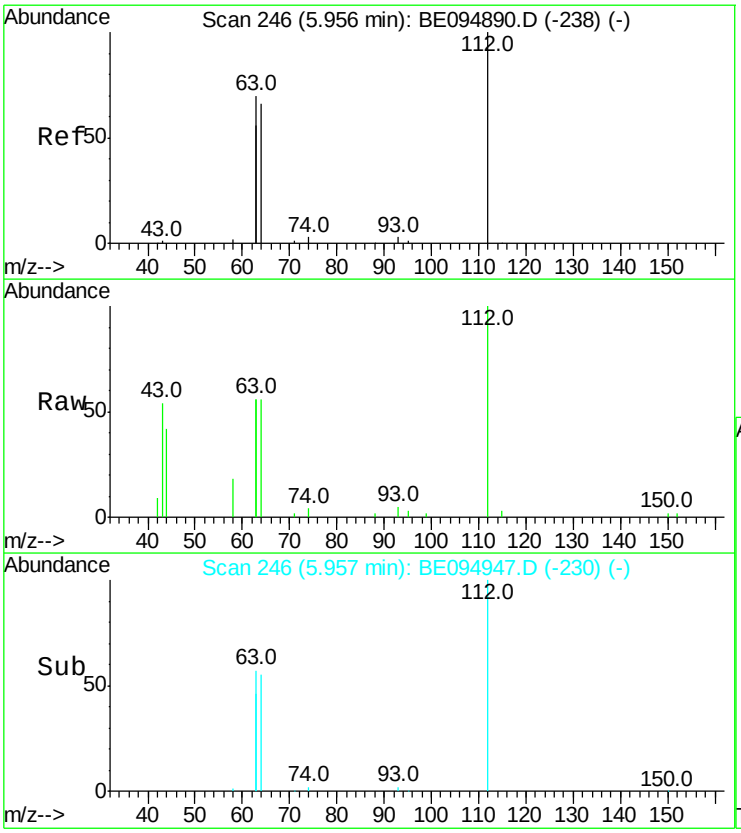
#3
n-Nitrosodimethylamine
Concen: 0.420 ng
RT: 4.02 min Scan# 92
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion: 42 Resp: 4644

Ion	Ratio	Lower	Upper
42	100		
74	100.2	100.3	150.5#
44	5.5	17.0	25.4#

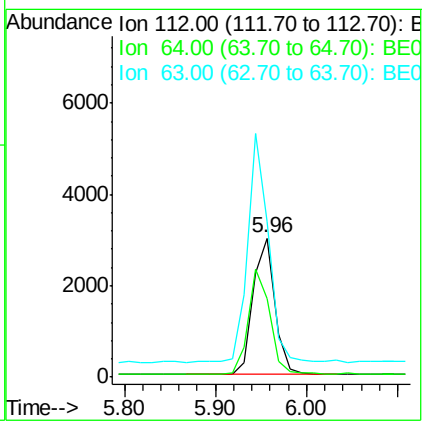


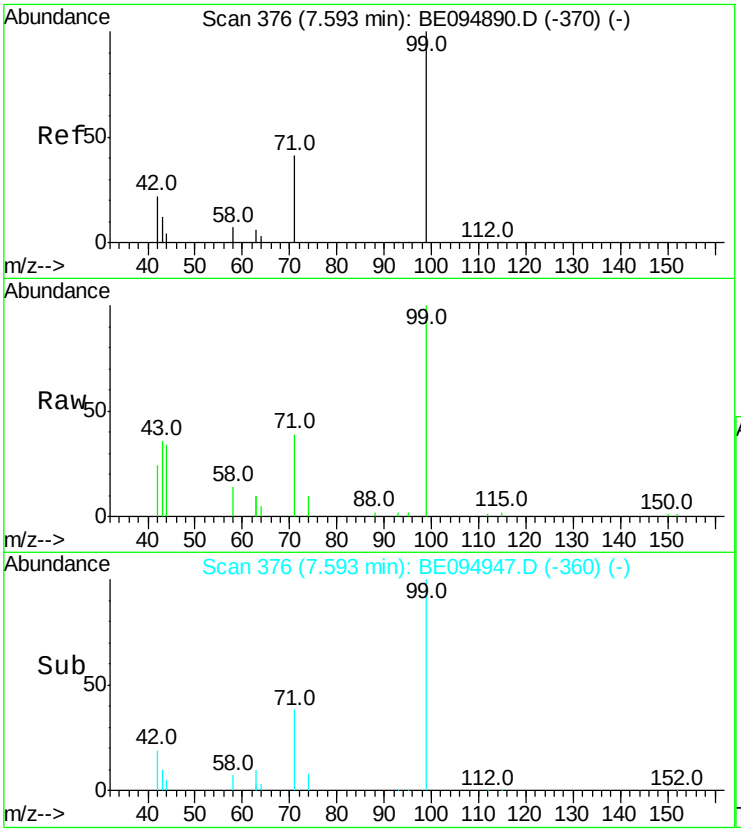


#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.96 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:112 Resp: 4957

Ion	Ratio	Lower	Upper
112	100		
64	75.6	60.1	90.1
63	159.7	116.8	175.2



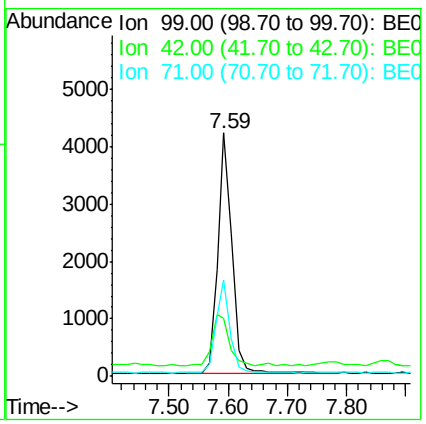


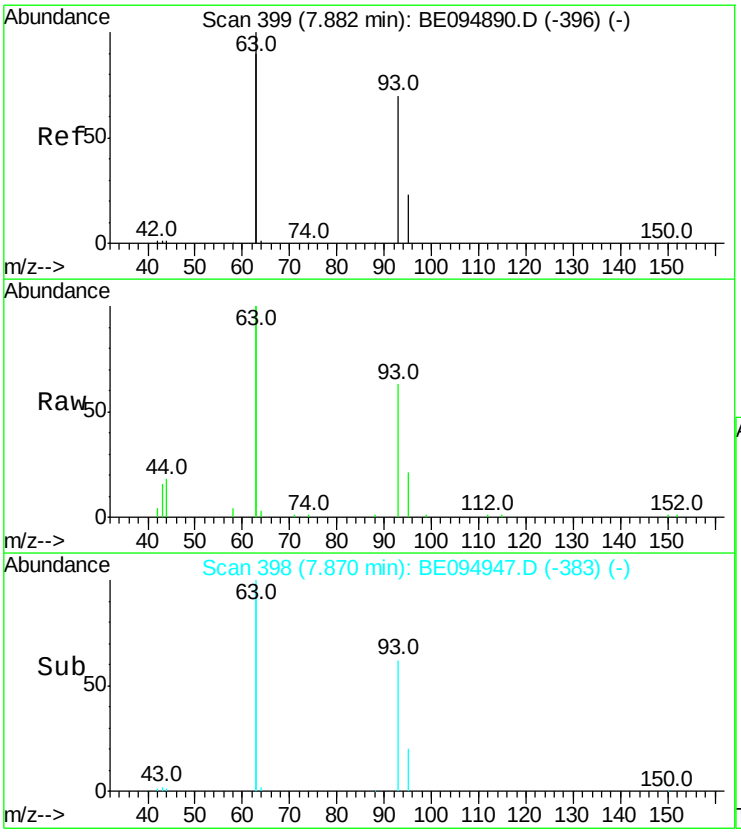
#5
Phenol-d6
Concen: 0.363 ng
RT: 7.59 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion: 99 Resp: 7049

Ion	Ratio	Lower	Upper
99	100		
42	25.9	20.2	30.2
71	38.5	28.4	42.6

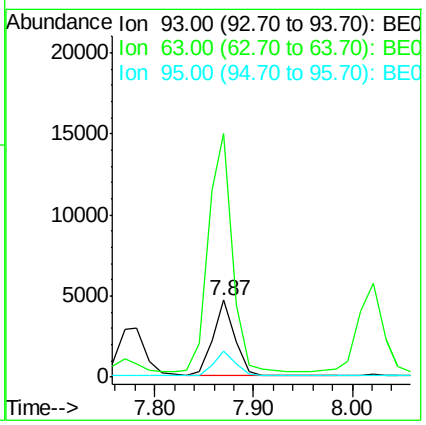


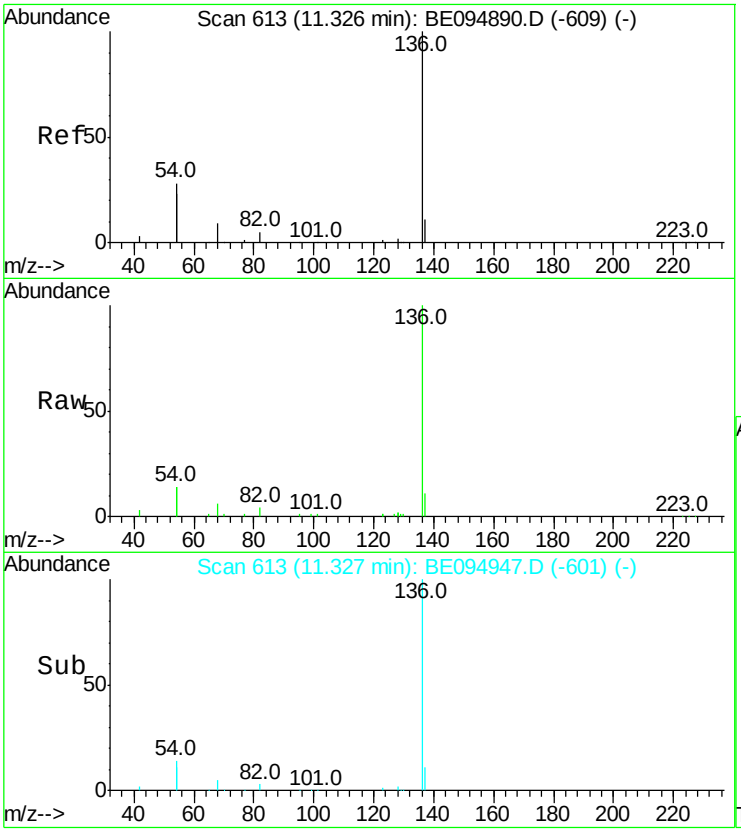


#6
bis(2-Chloroethyl)ether
Concen: 0.372 ng
RT: 7.87 min Scan# 398
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion: 93 Resp: 7158

Ion	Ratio	Lower	Upper
93	100		
63	344.1	275.3	412.9
95	32.6	25.2	37.8



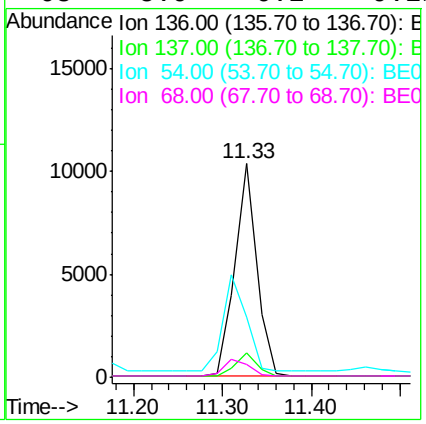


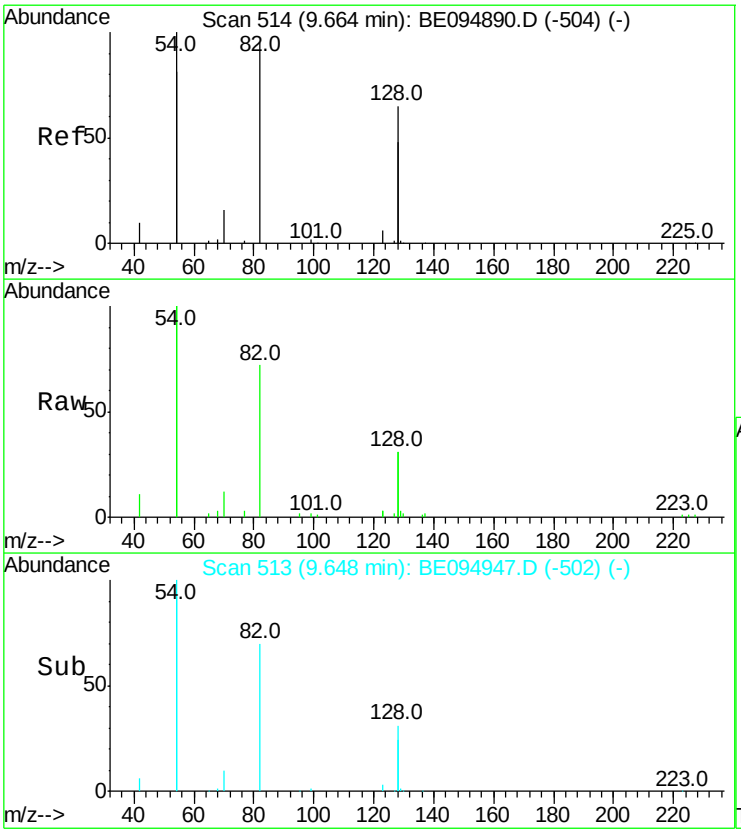
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:136 Resp: 17698

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	28.2	29.1	43.7#
68	5.9	6.2	9.2#

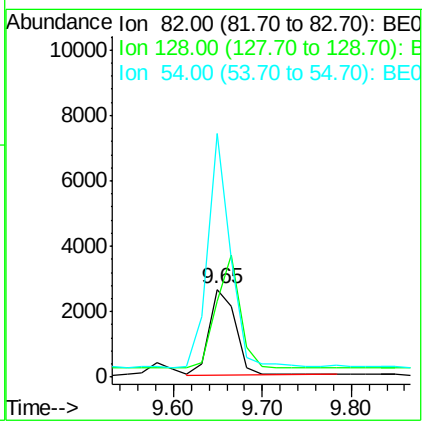


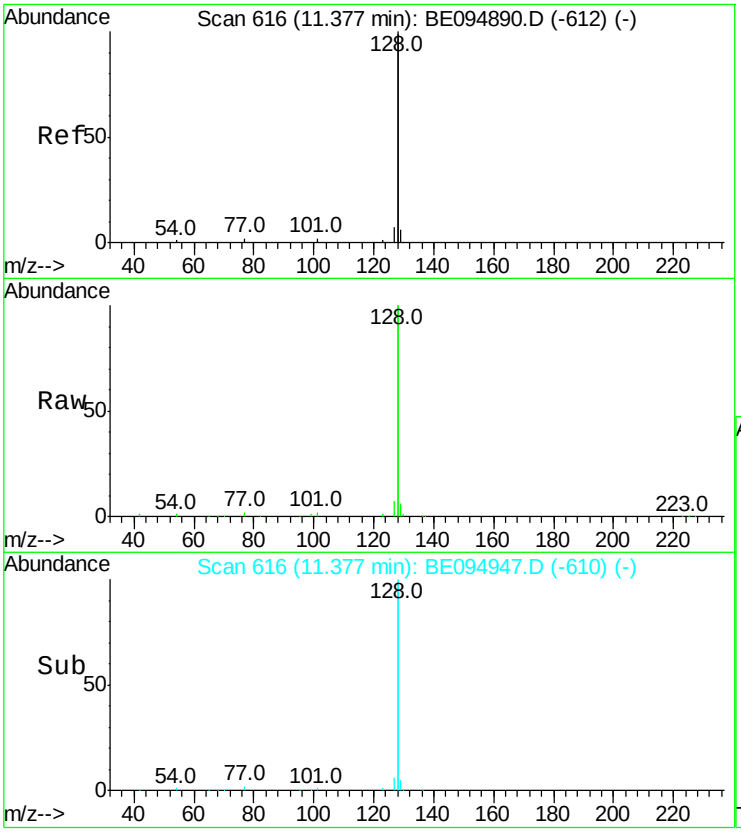


#8
Nitrobenzene-d5
Concen: 0.510 ng
RT: 9.65 min Scan# 513
Delta R.T. -0.02 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion: 82 Resp: 5342

Ion	Ratio	Lower	Upper
82	100		
128	86.6	150.0	225.0#
54	277.2	154.2	231.4#



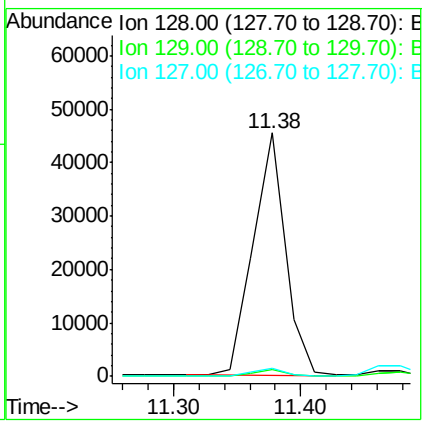


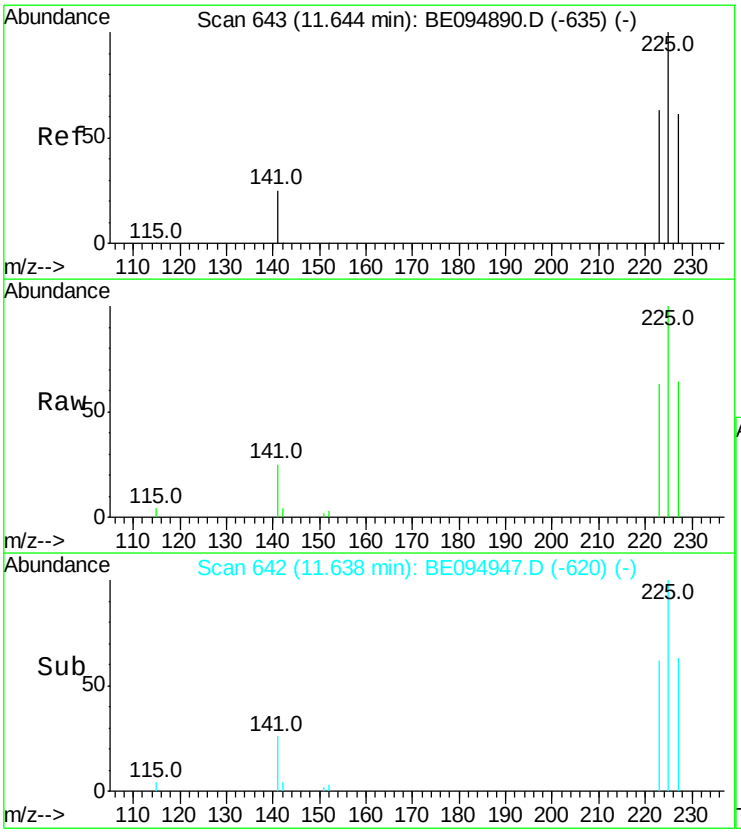
#9
Naphthalene
Concen: 0.385 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:128 Resp: 79935

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

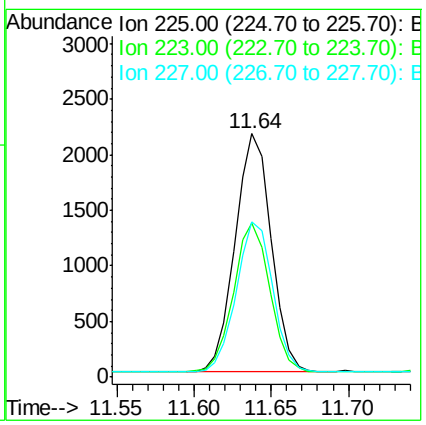


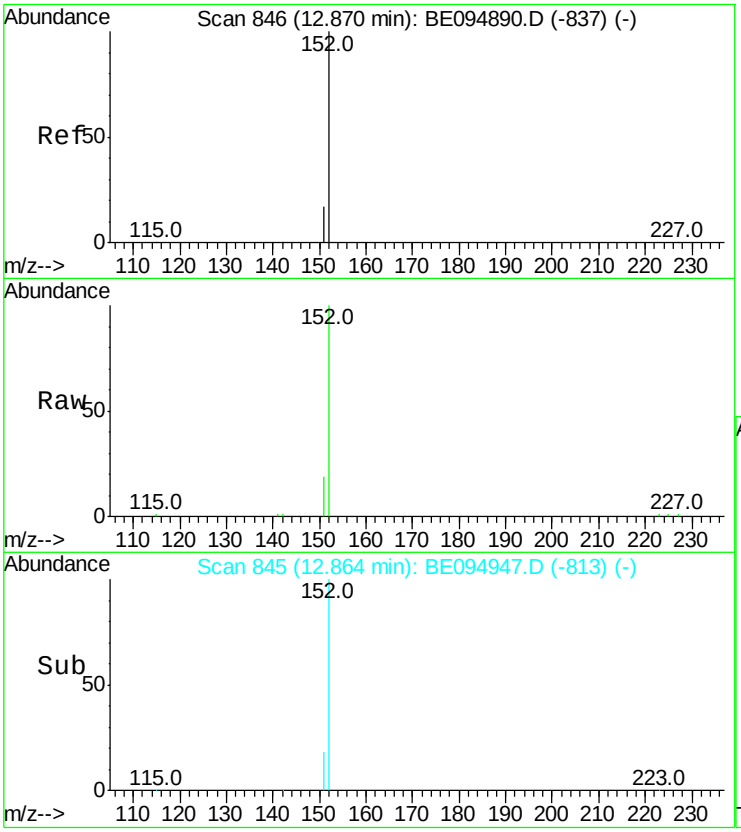


#10
Hexachlorobutadiene
Concen: 0.395 ng
RT: 11.64 min Scan# 642
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:225 Resp: 3458

Ion	Ratio	Lower	Upper
225	100		
223	62.6	53.0	79.6
227	64.1	51.4	77.2



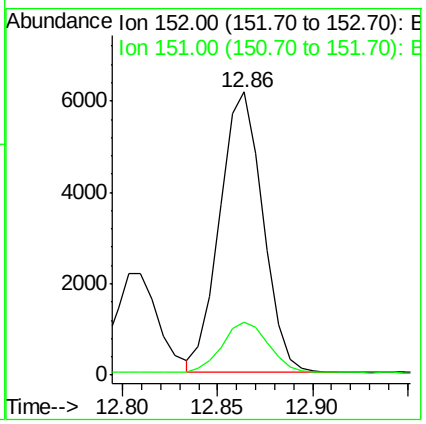


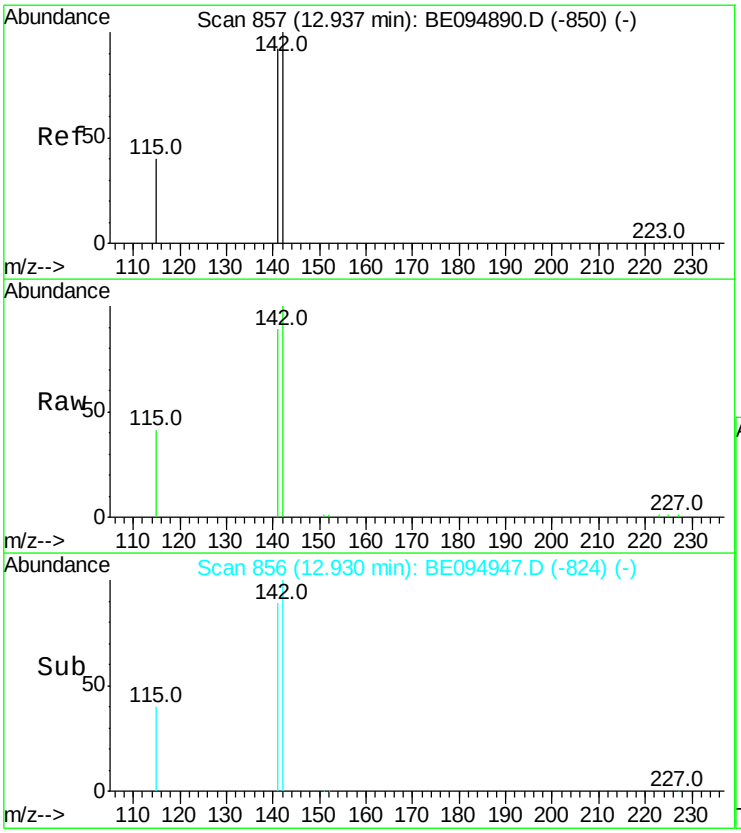
#11
2-Methylnaphthalene-d10
Concen: 0.340 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:152 Resp: 9616

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.0

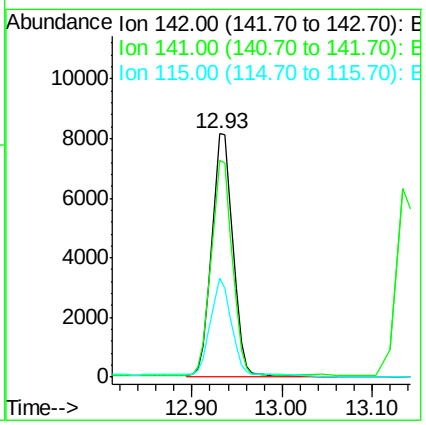


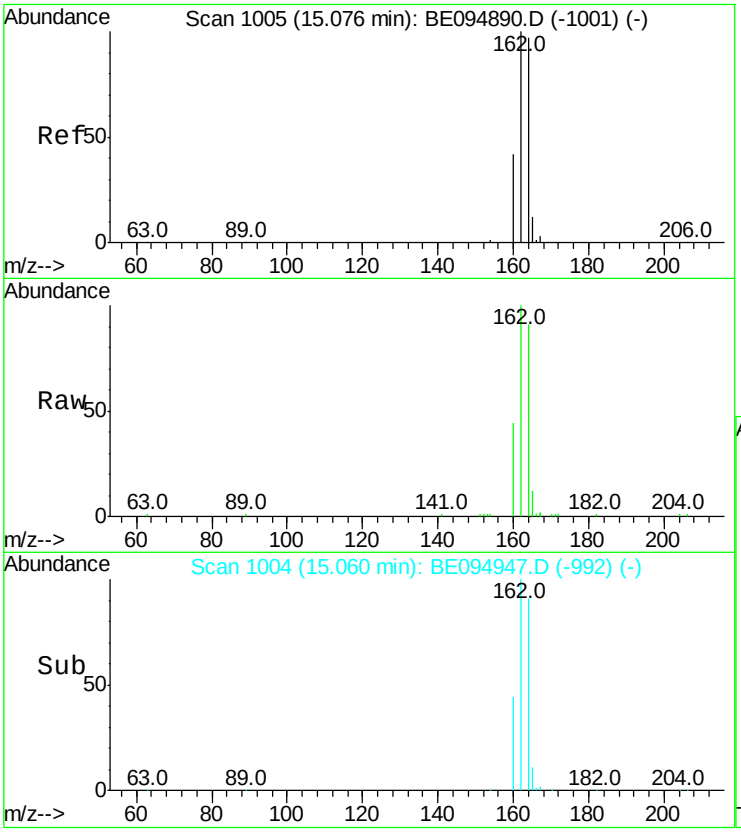


#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 12.93 min Scan# 856
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:142 Resp: 19486

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	40.8	31.7	47.5



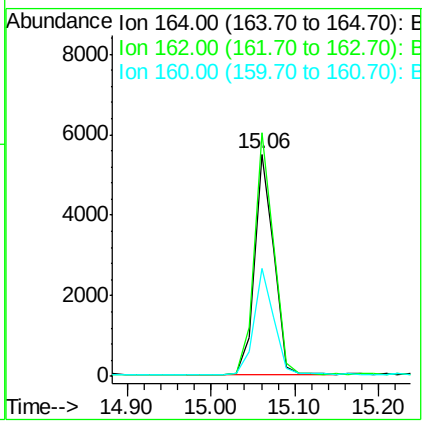


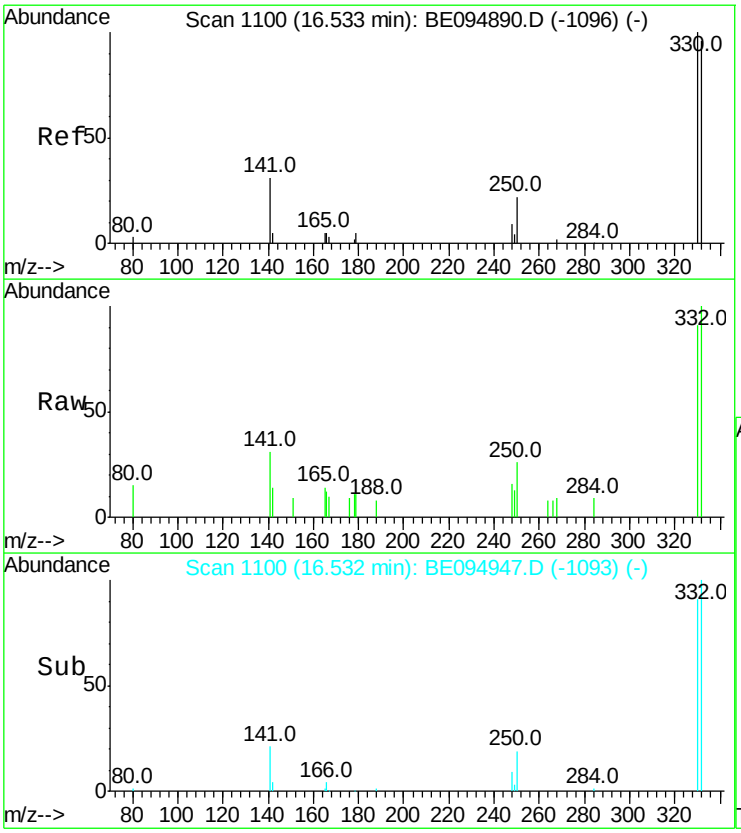
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:164 Resp: 8698

Ion	Ratio	Lower	Upper
164	100		
162	109.5	83.1	124.7
160	48.7	37.1	55.7

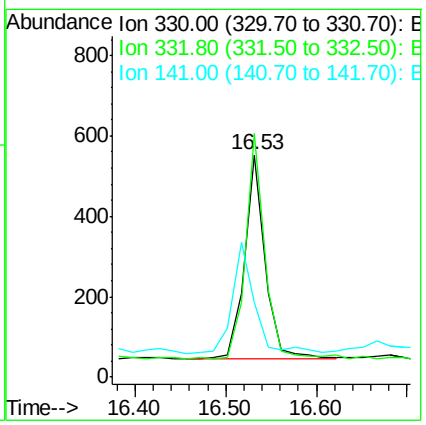


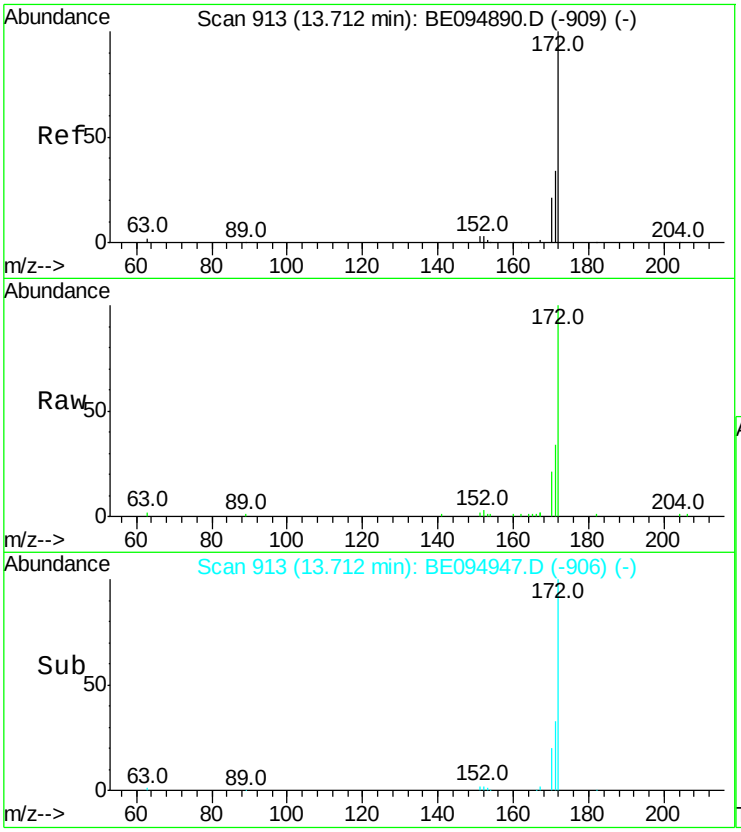


#14
2,4,6-Tribromophenol
Concen: 0.448 ng
RT: 16.53 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:330 Resp: 809

Ion	Ratio	Lower	Upper
330	100		
332	101.1	152.7	229.1#
141	59.5	33.7	50.5#



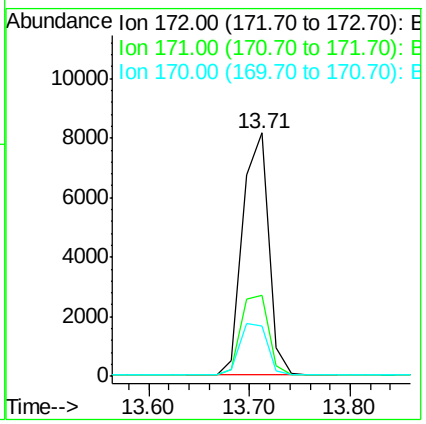


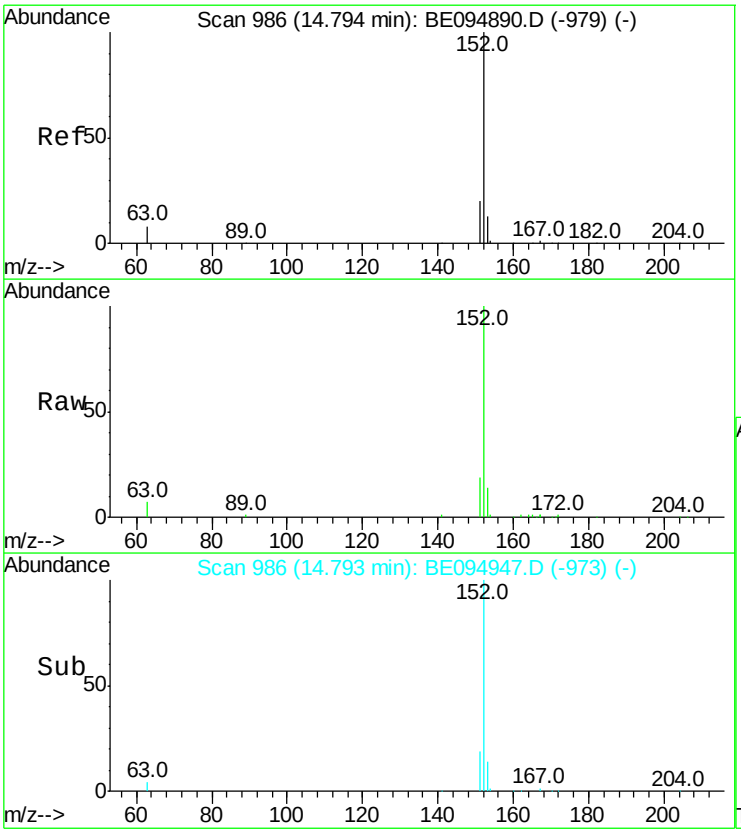
#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:172 Resp: 14491

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.9	44.9
170	20.5	21.8	32.8#

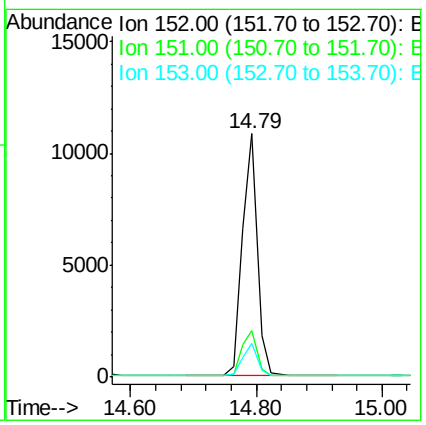


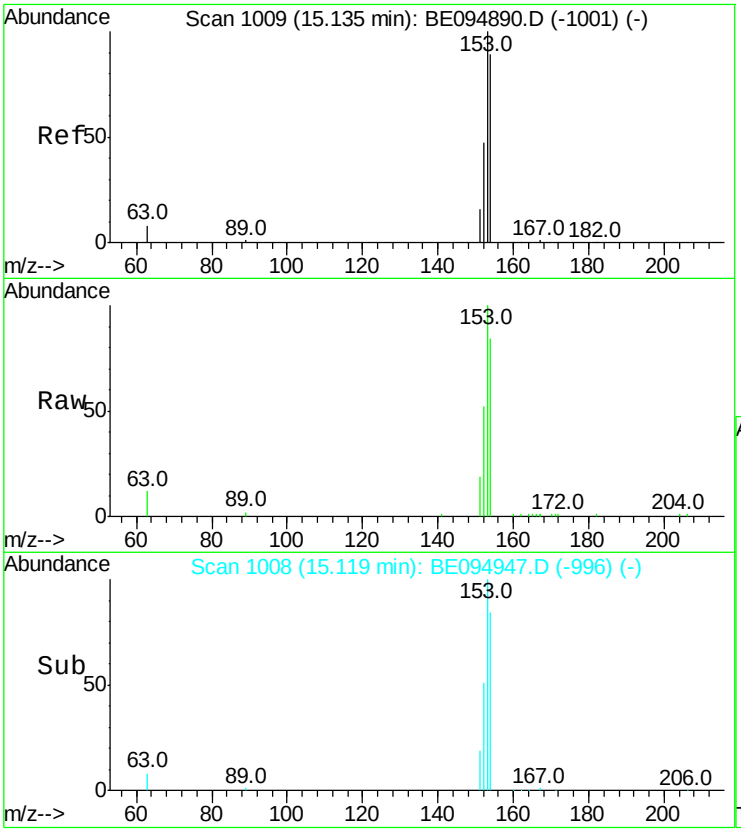


#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:152 Resp: 17856

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



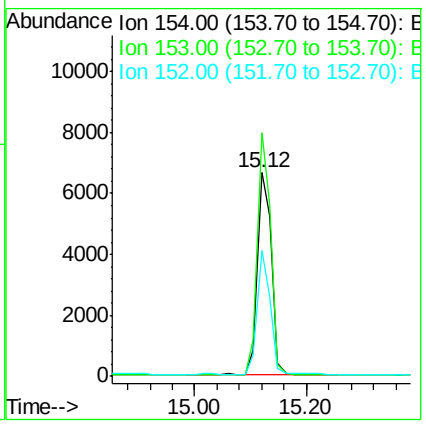


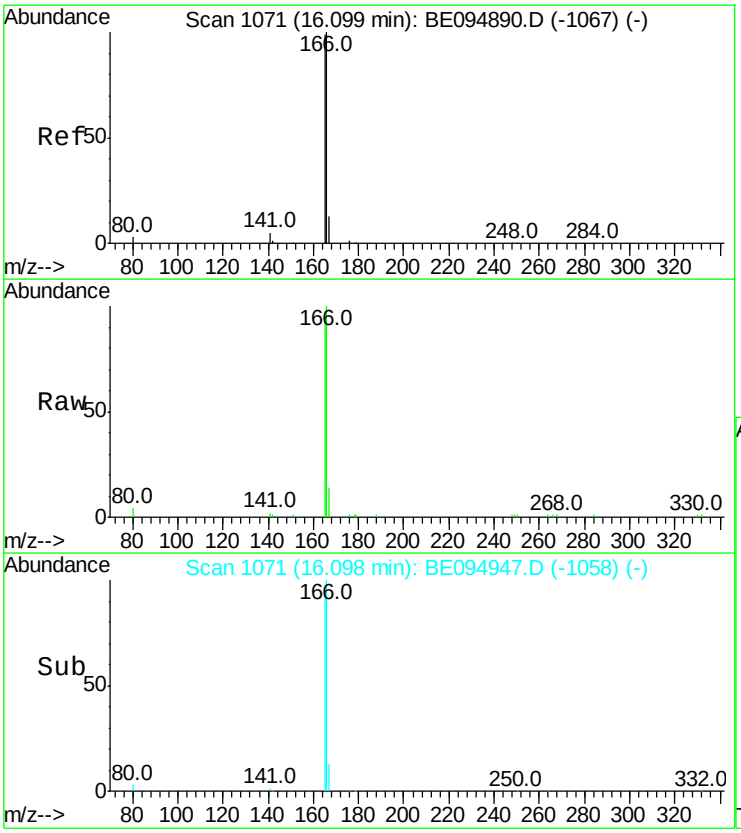
#17
Acenaphthene
Concen: 0.371 ng
RT: 15.12 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:154 Resp: 11776

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.2	133.8
152	57.0	42.0	63.0

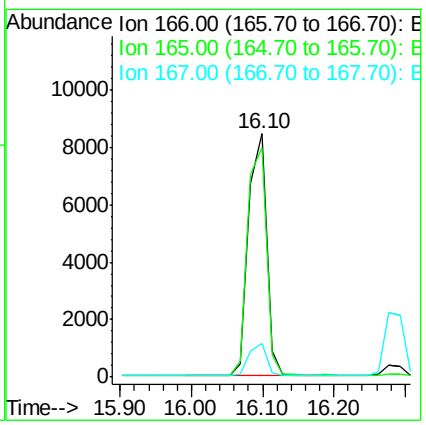


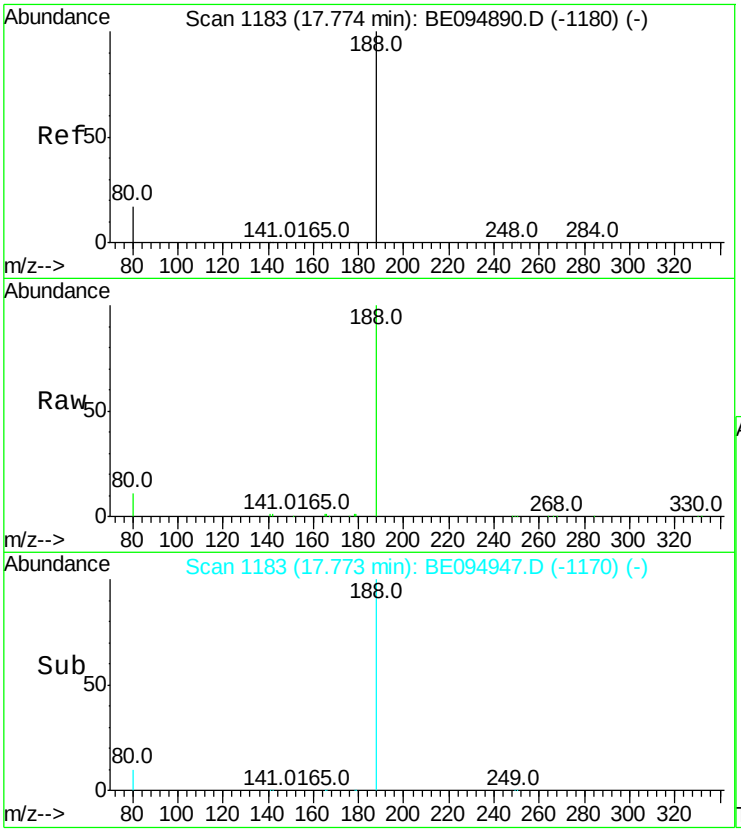


#18
Fluorene
Concen: 0.366 ng
RT: 16.10 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:166 Resp: 14798

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.6
167	13.4	42.4	63.6#



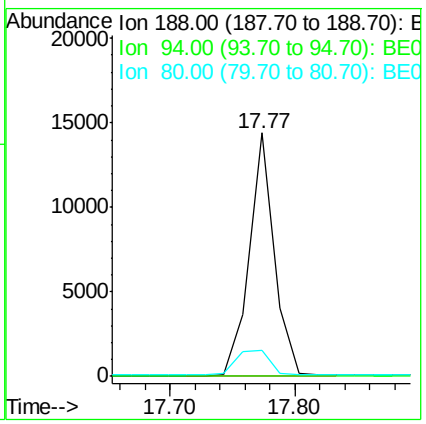


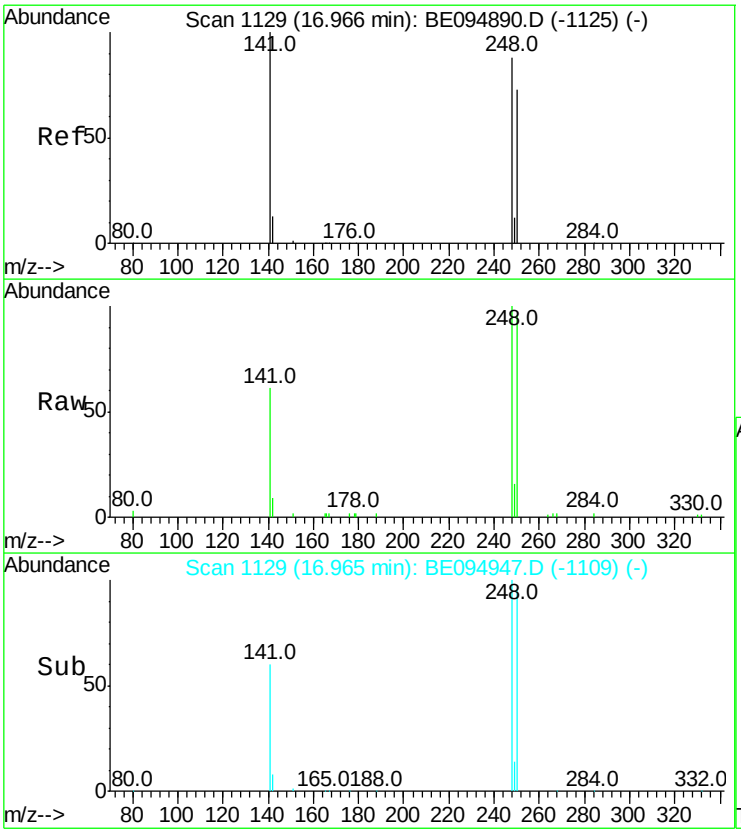
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:188 Resp: 19967

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.8	3.6	5.4#

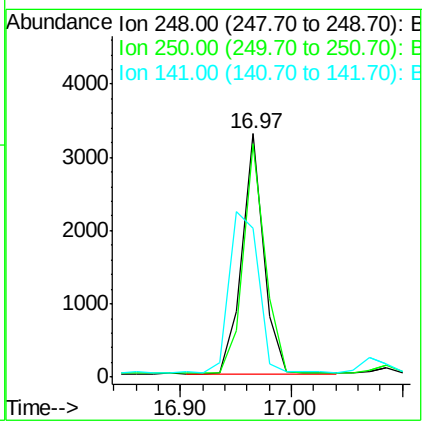


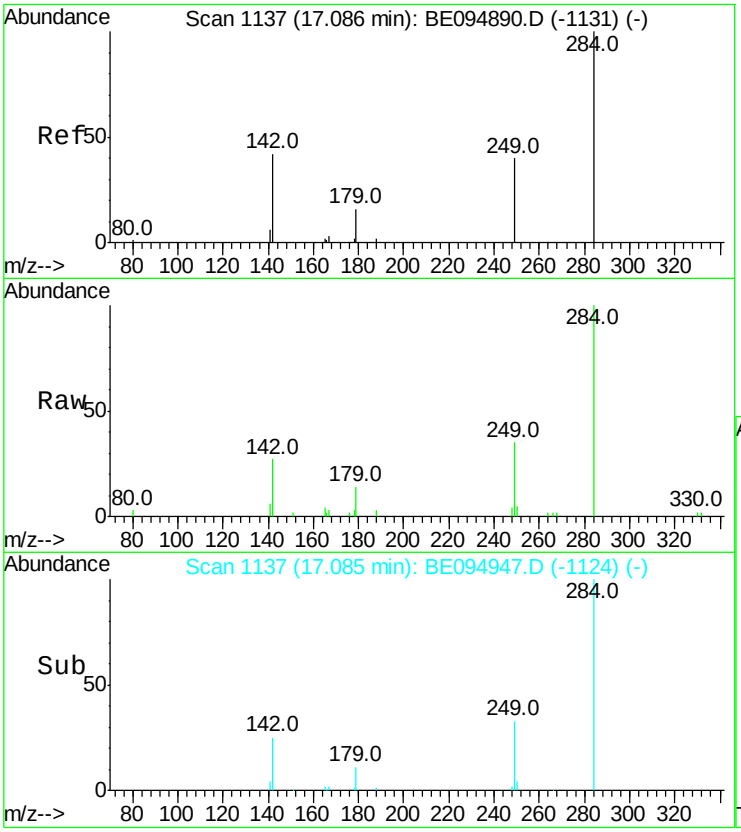


#20
4-Bromophenyl-phenylether
Concen: 0.401 ng
RT: 16.97 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:248 Resp: 4462

Ion	Ratio	Lower	Upper
248	100		
250	96.1	62.7	94.1#
141	61.4	48.2	72.2



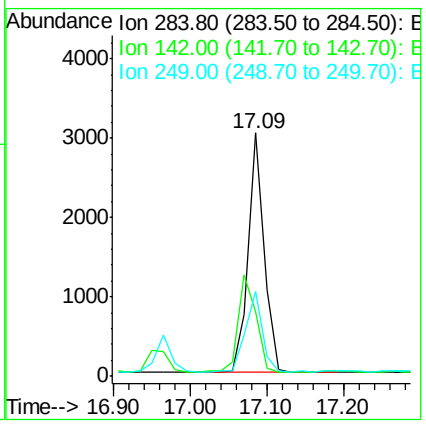


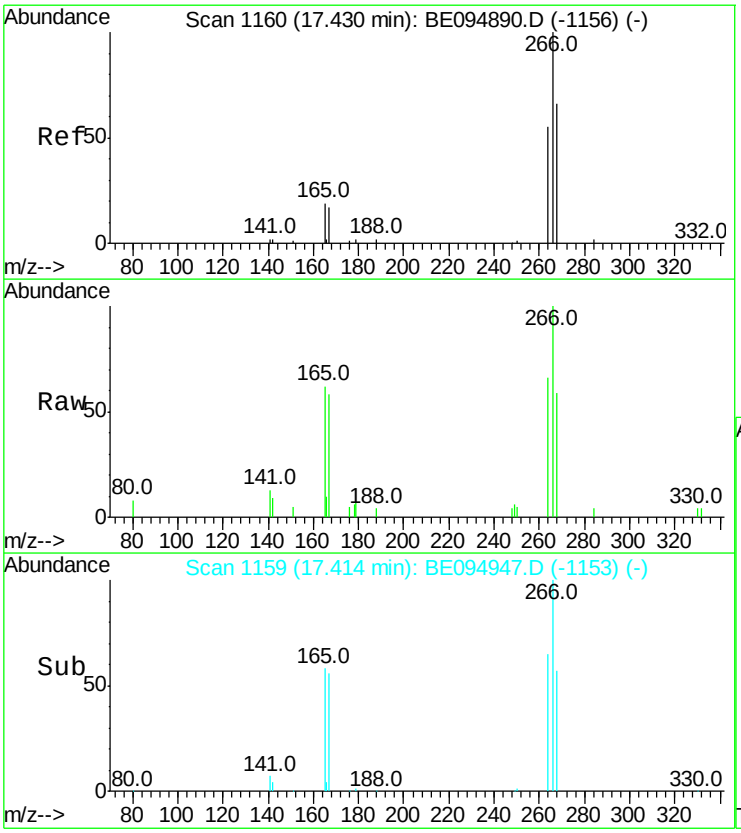
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 17.09 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:284 Resp: 4348

Ion	Ratio	Lower	Upper
284	100		
142	44.8	22.1	33.1#
249	35.1	34.8	52.2

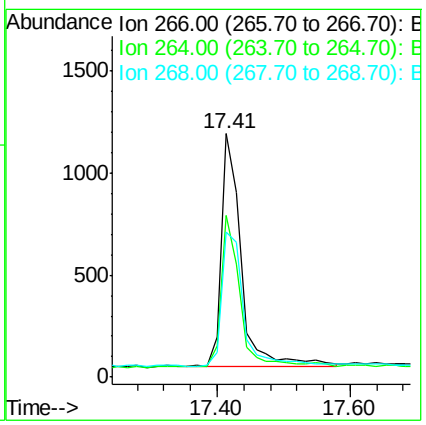


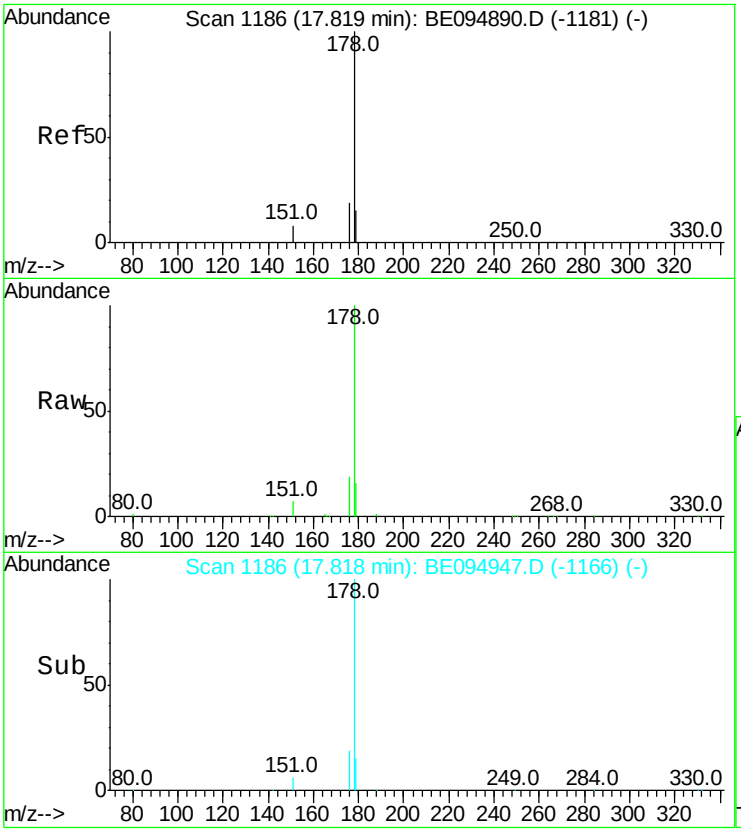


#22
Pentachlorophenol
Concen: 0.789 ng
RT: 17.41 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:266 Resp: 2358

Ion	Ratio	Lower	Upper
266	100		
264	66.2	72.5	108.7#
268	59.4	73.8	110.6#



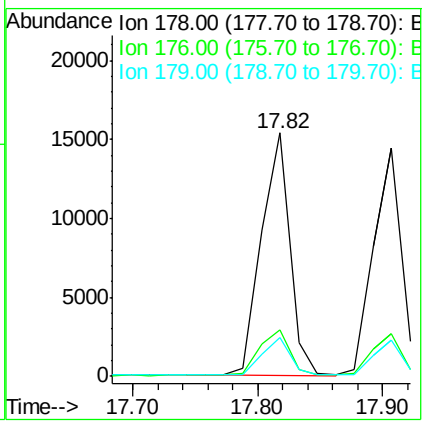


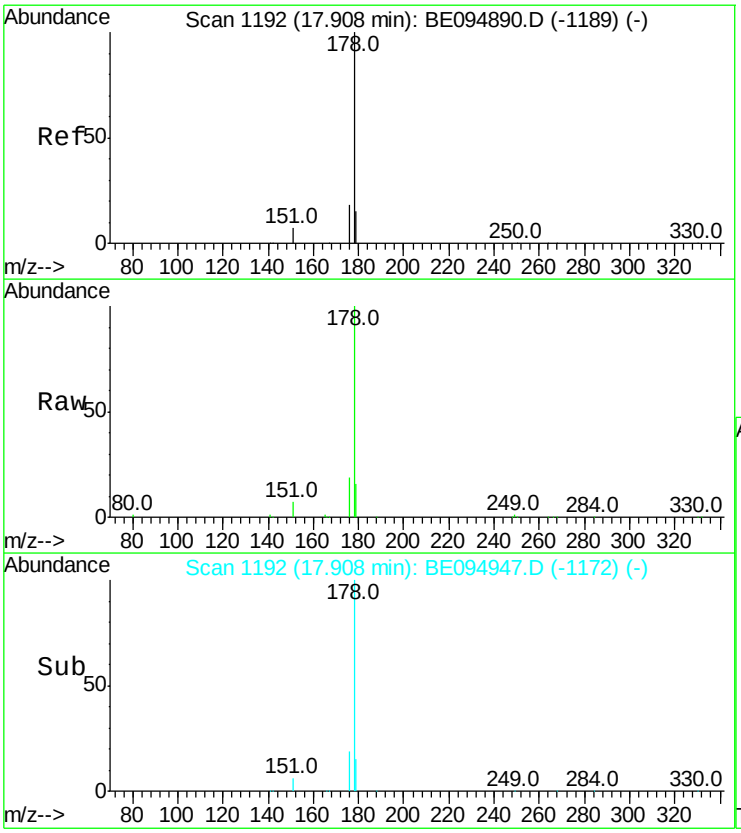
#23
Phenanthrene
Concen: 0.386 ng
RT: 17.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:178 Resp: 24563

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	15.6	11.8	17.6

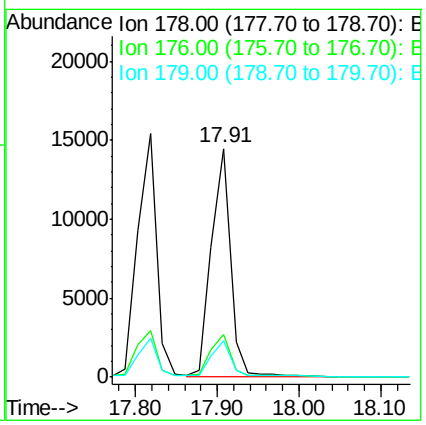


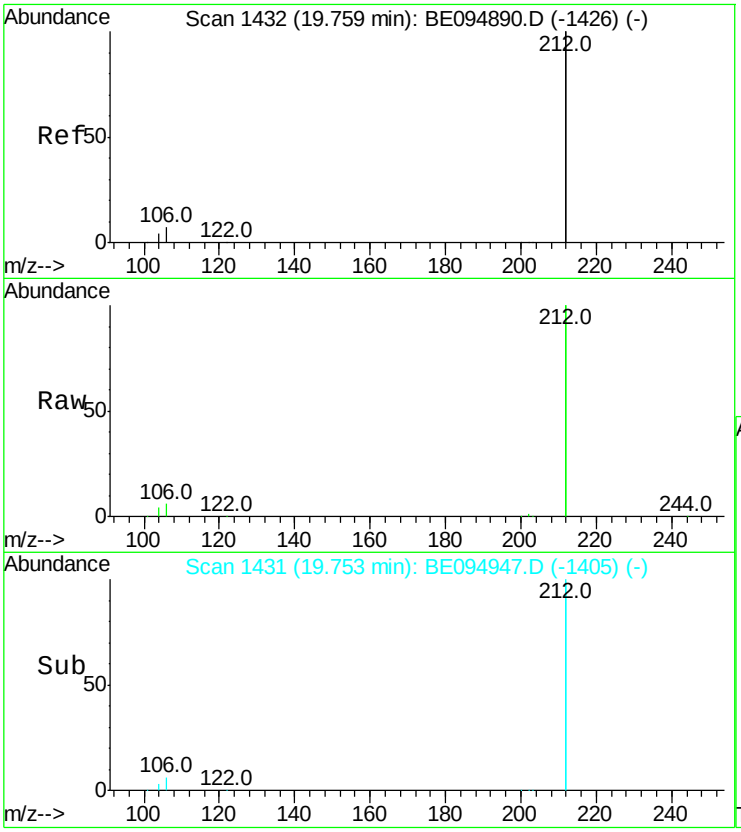


#24
Anthracene
Concen: 0.386 ng
RT: 17.91 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:178 Resp: 26056

Ion	Ratio	Lower	Upper
178	100		
176	21.0	12.8	19.2#
179	18.0	13.0	19.6



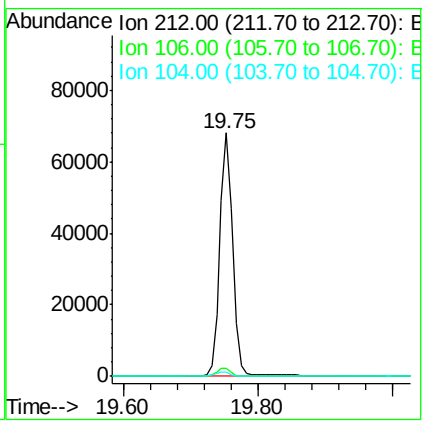


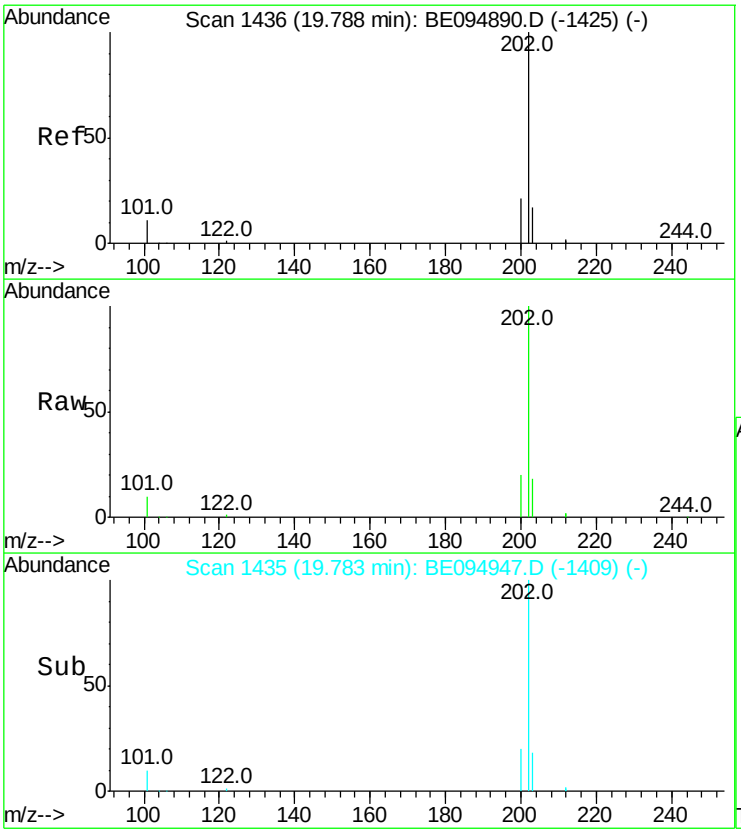
#25
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.75 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:212 Resp: 90596

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

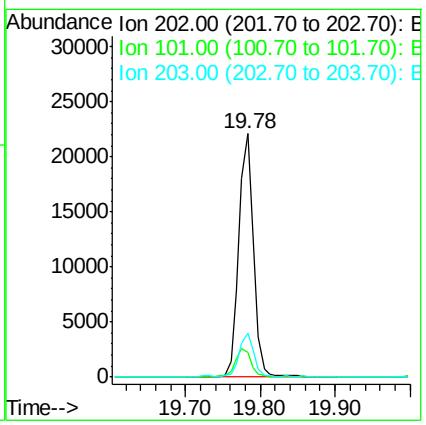


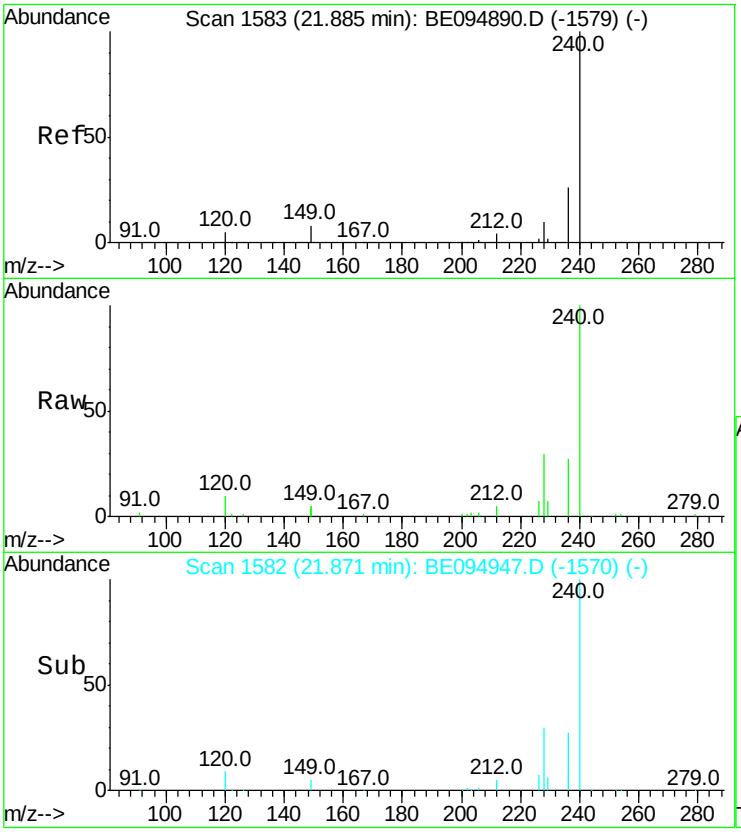


#26
Fluoranthene
Concen: 0.363 ng
RT: 19.78 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:202 Resp: 29723

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.8
203	17.1	13.7	20.5



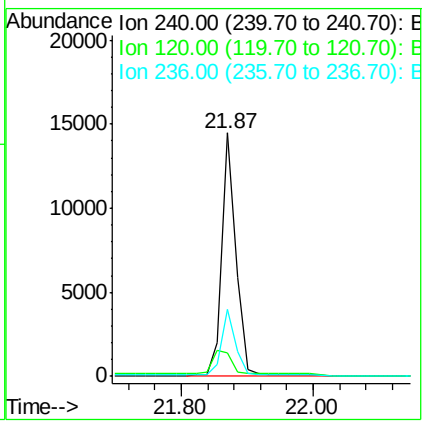


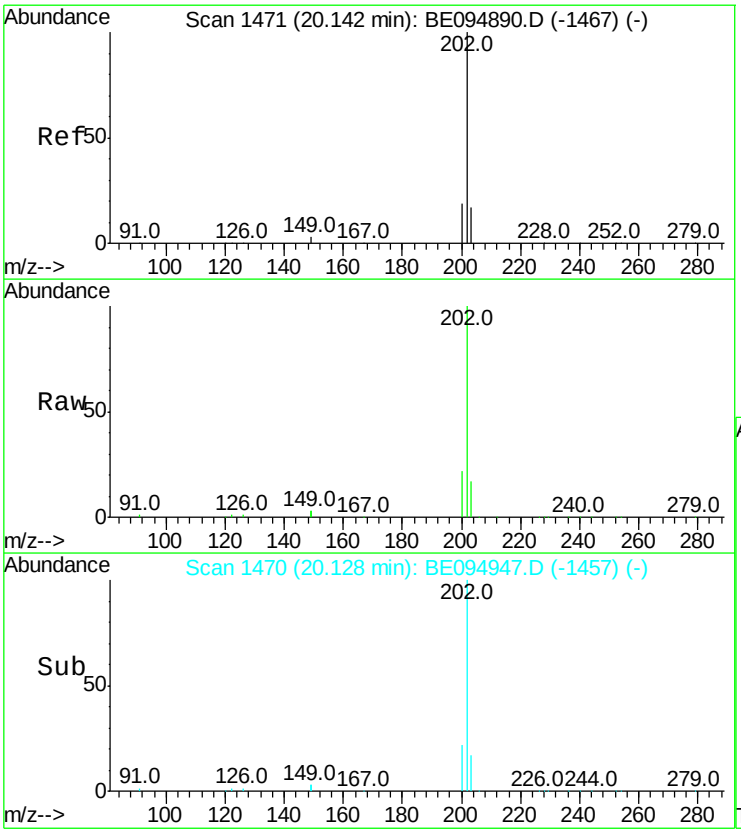
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:240 Resp: 22753

Ion	Ratio	Lower	Upper
240	100		
120	9.8	5.5	8.3#
236	27.3	20.7	31.1

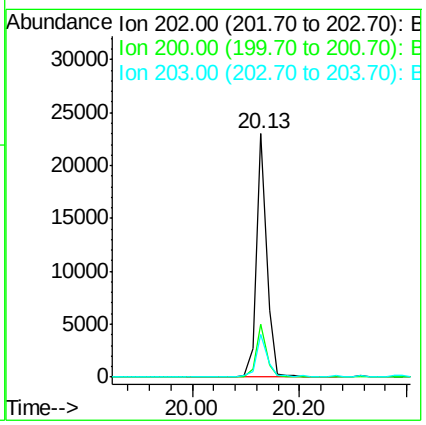


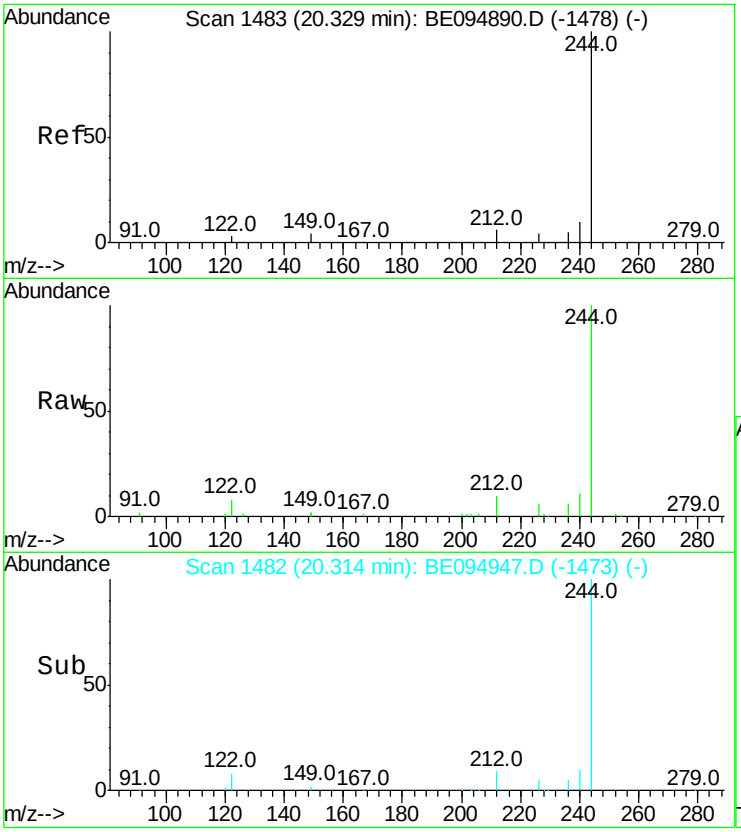


#28
Pyrene
Concen: 0.431 ng
RT: 20.13 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:202 Resp: 33888

Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.6	25.0
203	17.0	13.8	20.8



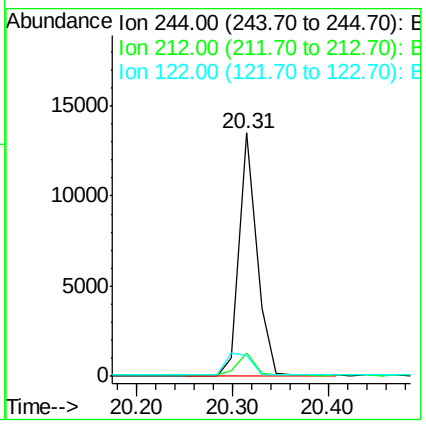


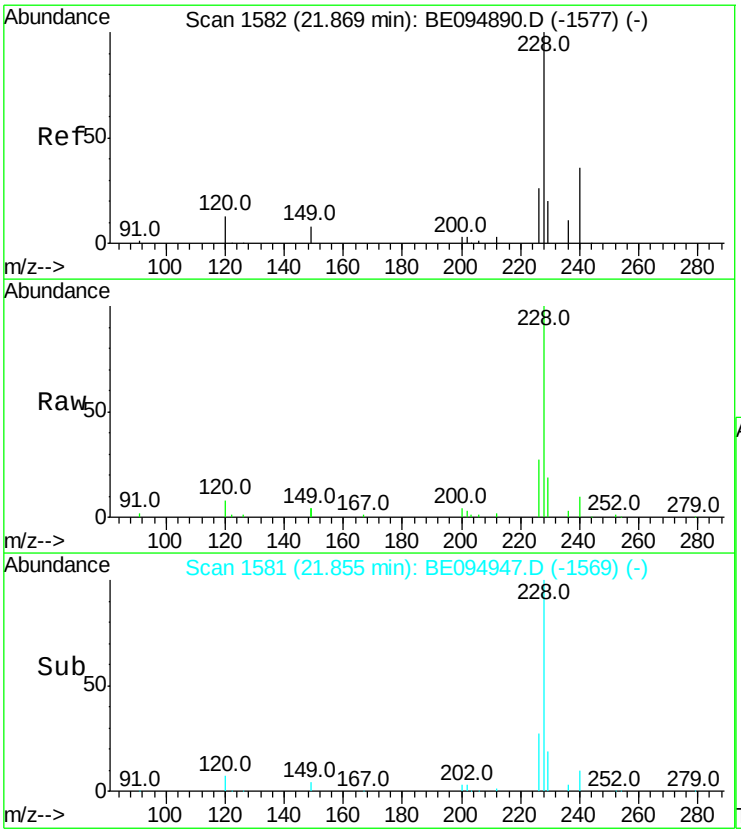
#29
Terphenyl-d14
Concen: 0.407 ng
RT: 20.31 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:244 Resp: 17105

Ion	Ratio	Lower	Upper
244	100		
212	9.6	25.4	38.0#
122	8.4	8.1	12.1

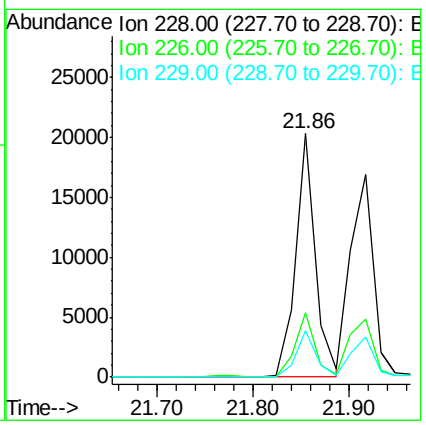


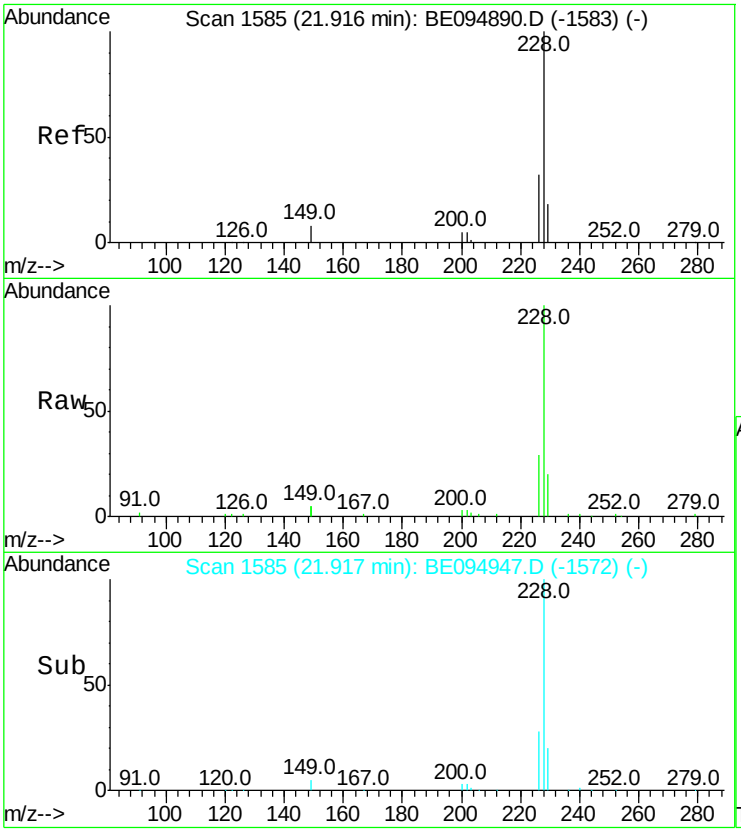


#30
Benzo(a)anthracene
Concen: 0.415 ng
RT: 21.86 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:228 Resp: 28923

Ion	Ratio	Lower	Upper
228	100		
226	26.7	40.0	60.0#
229	19.1	40.0	60.0#



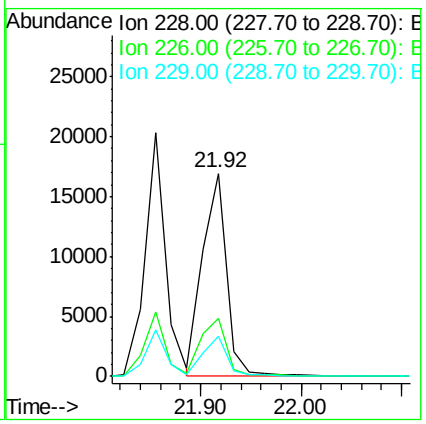


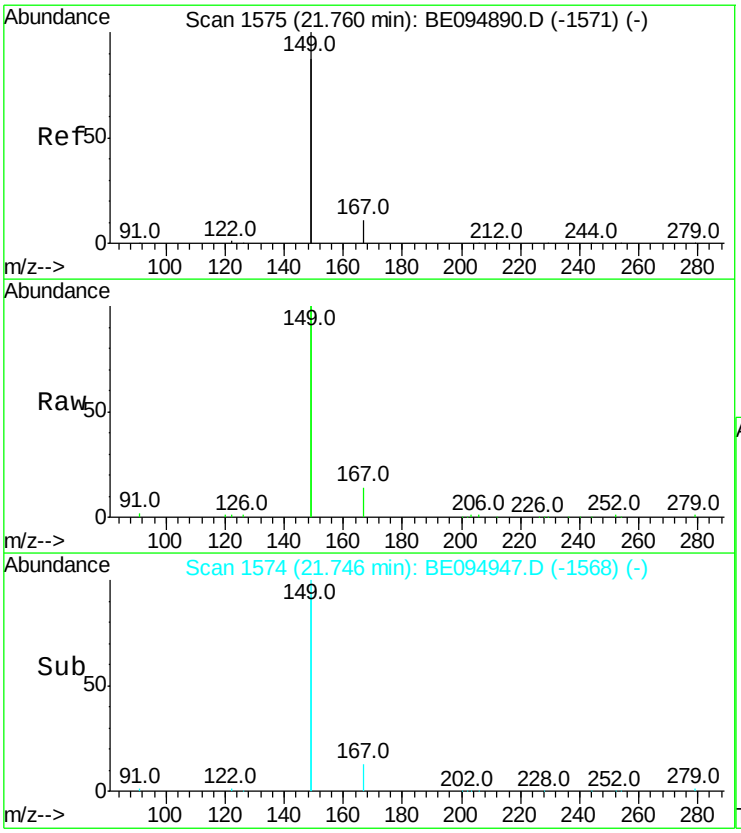
#31
Chrysene
Concen: 0.390 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:228 Resp: 30064

Ion	Ratio	Lower	Upper
228	100		
226	28.8	40.0	60.0#
229	20.1	40.0	60.0#

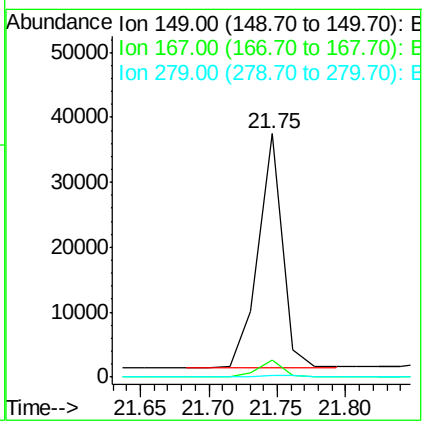


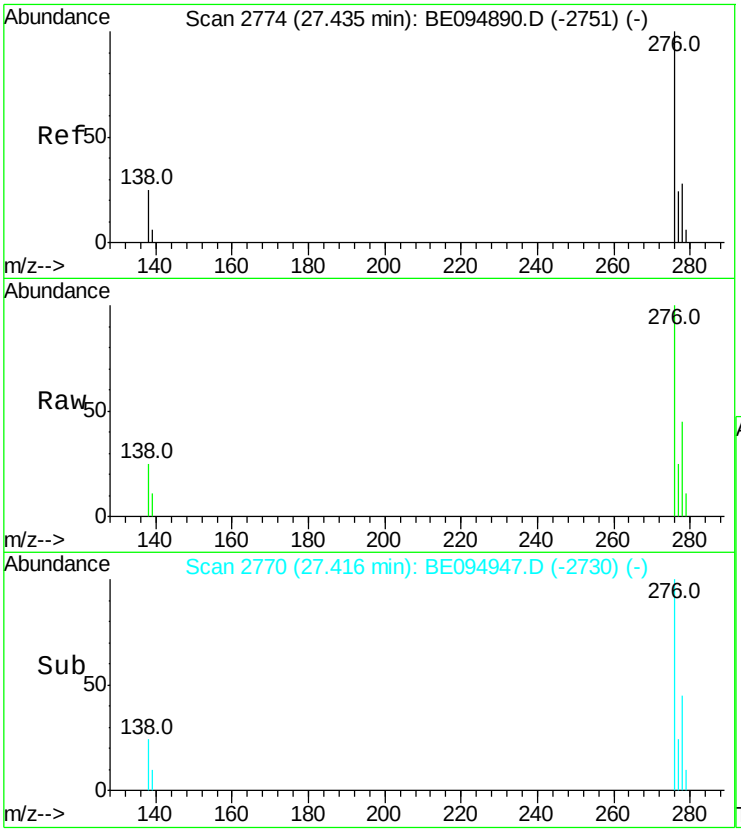


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.388 ng
RT: 21.75 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:149 Resp: 44805

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.8	0.7	1.1



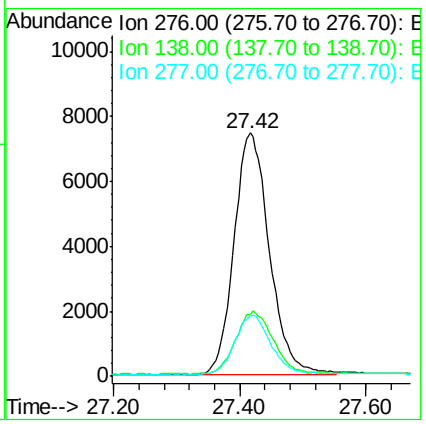


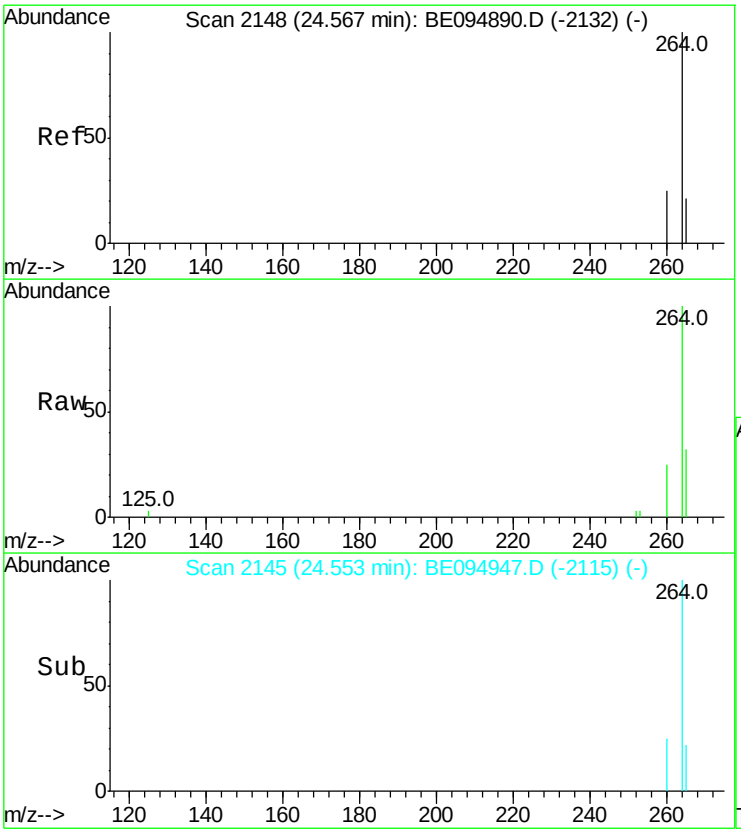
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.460 ng
RT: 27.42 min Scan# 2770
Delta R.T. -0.02 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:276 Resp: 28997

Ion	Ratio	Lower	Upper
276	100		
138	27.9	22.5	33.7
277	24.9	19.9	29.9

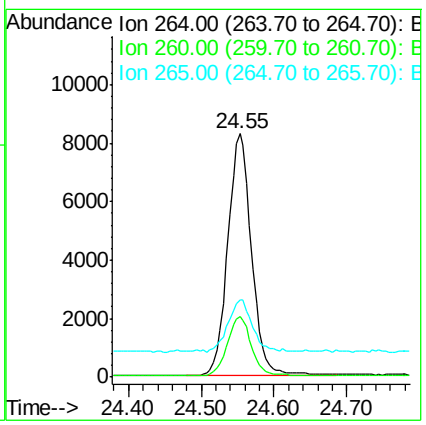


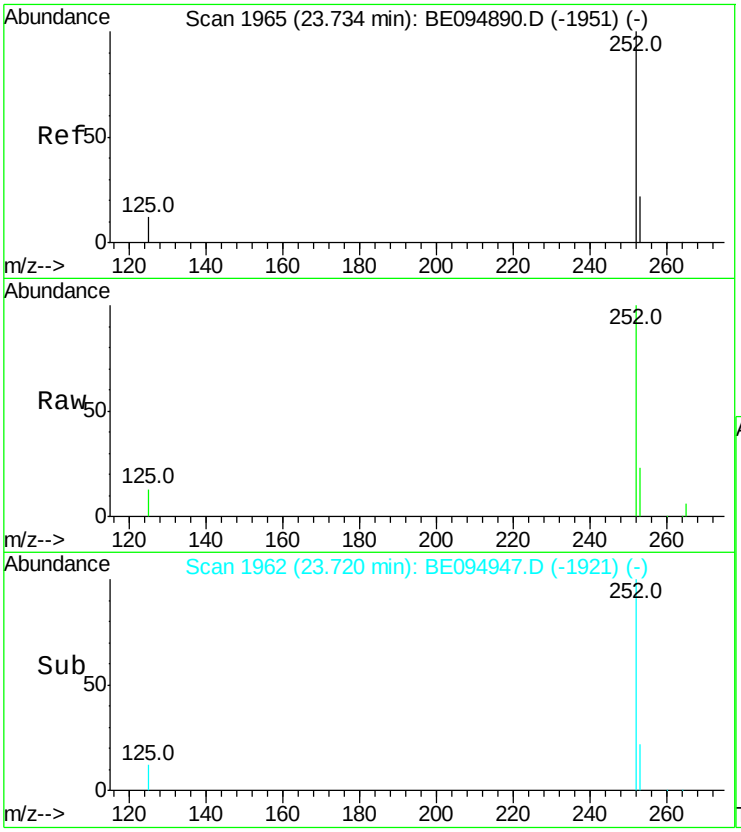


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:264 Resp: 18809

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.5	30.7
265	31.8	22.8	34.2



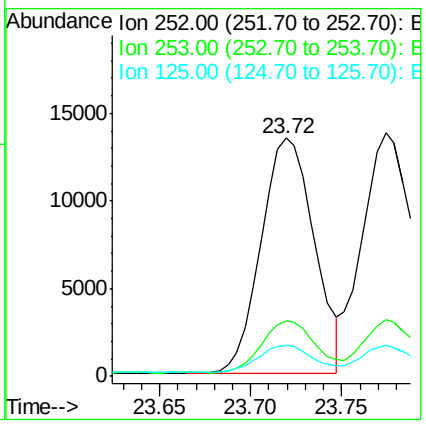


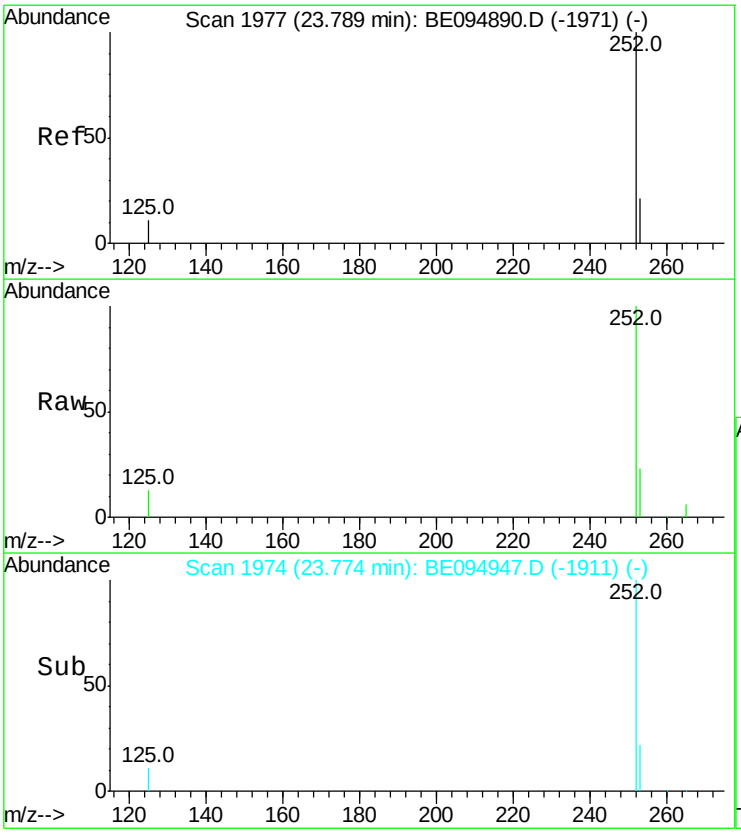
#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.72 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:252 Resp: 27531

Ion	Ratio	Lower	Upper
252	100		
253	23.3	48.0	72.0#
125	13.1	56.0	84.0#

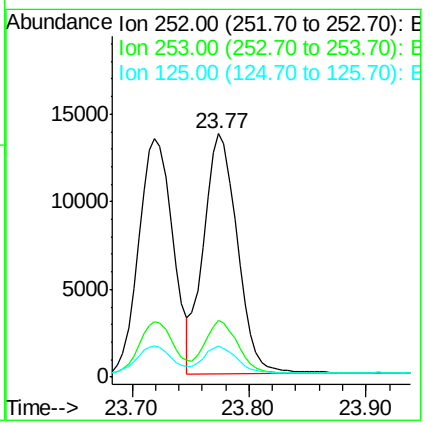


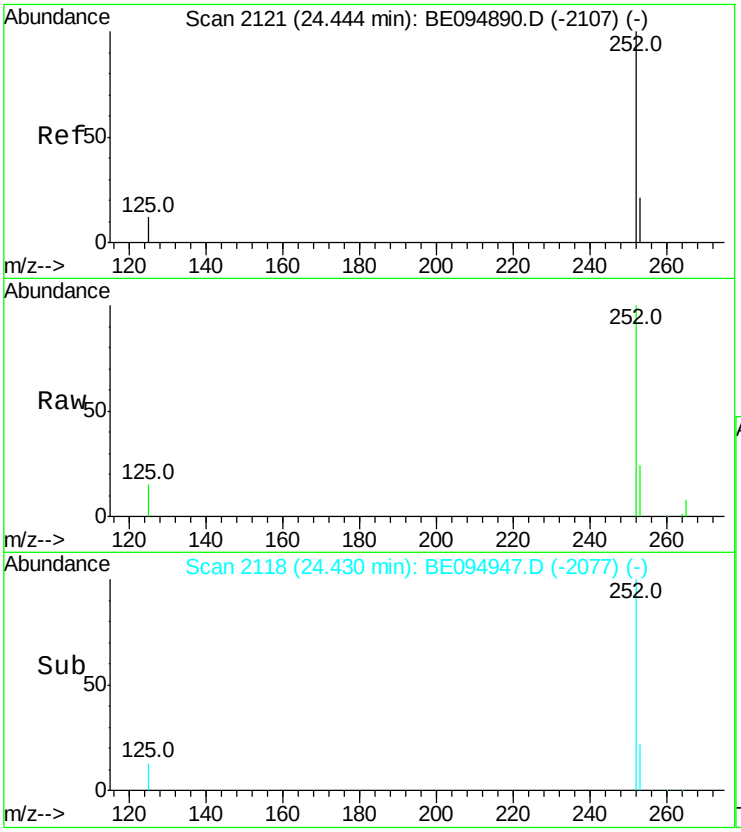


#36
Benzo(k)fluoranthene
Concen: 0.393 ng
RT: 23.77 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:252 Resp: 27528

Ion	Ratio	Lower	Upper
252	100		
253	23.1	48.0	72.0#
125	12.7	56.0	84.0#



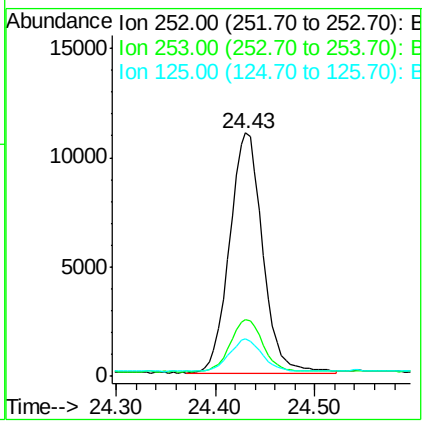


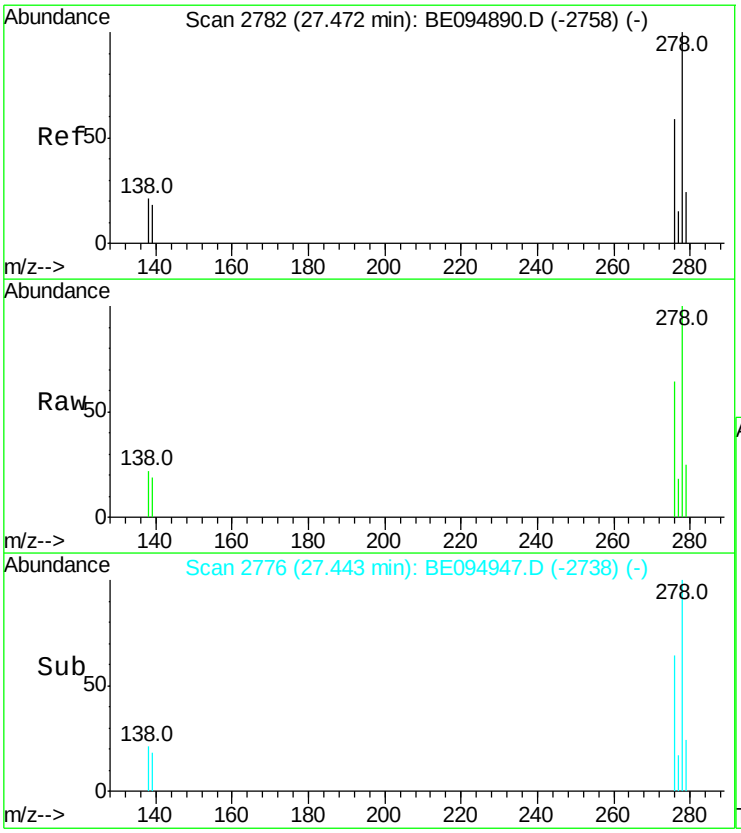
#37
Benzo(a)pyrene
Concen: 0.424 ng
RT: 24.43 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:252 Resp: 25514

Ion	Ratio	Lower	Upper
252	100		
253	23.5	52.0	78.0#
125	15.4	68.0	102.0#

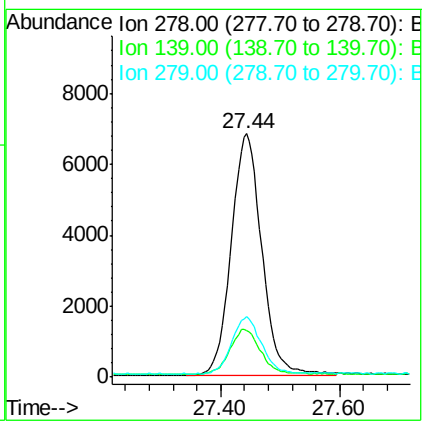


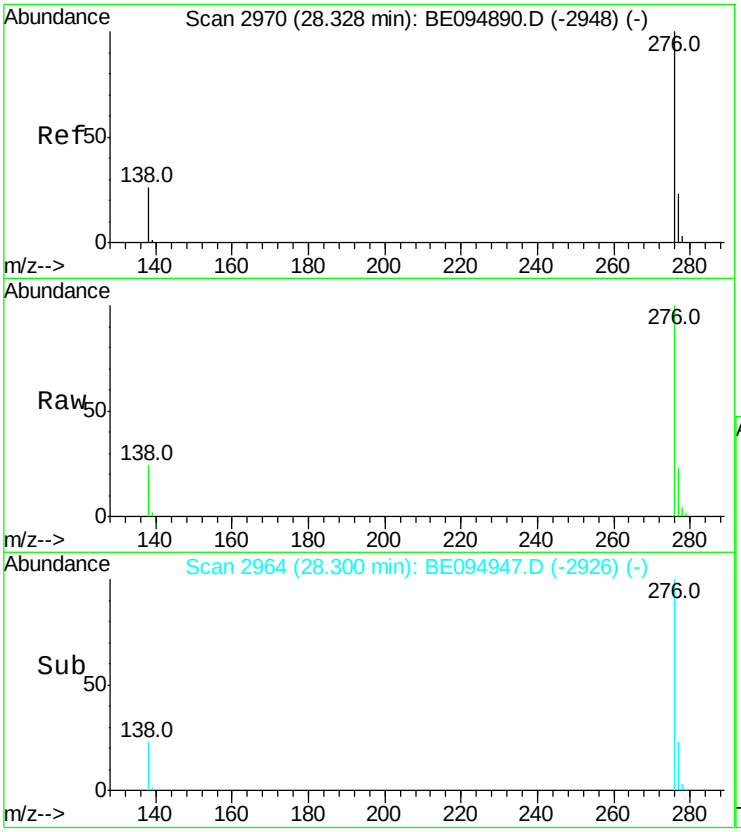


#38
Dibenzo(a,h)anthracene
Concen: 0.437 ng
RT: 27.44 min Scan# 2776
Delta R.T. -0.03 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Tgt Ion:278 Resp: 24277

Ion	Ratio	Lower	Upper
278	100		
139	19.2	56.0	84.0#
279	24.7	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.447 ng
RT: 28.30 min Scan# 2964
Delta R.T. -0.03 min
Lab File: BE094947.D
Acq: 6 Dec 2017 12:07

Instrument :
BNA_E
ClientSampleId :
PB104743BS

Tgt Ion:276 Resp: 24831

Ion	Ratio	Lower	Upper
276	100		
277	23.3	52.0	78.0#
138	24.1	44.0	66.0#