Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094983.D
Acq On : 14 Dec 2017 19:01
Operator : SJ/JU
Sample : PB104984BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB104984BS

Quant Time: Dec 15 08:11:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7168	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	14644	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	7221	0.40	ng		0.00
19) Phenanthrene-d10	17.77	188	16189	0.40	ng		0.00
27) Chrysene-d12	21.87	240	18152	0.40	ng		0.00
34) Perylene-d12	24.55	264	13837	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	2379	0.21	ng		0.00
5) Phenol-d6	7.59	99	3290	0.20	ng		0.00
8) Nitrobenzene-d5	9.65	82	3214	0.27	ng		0.00
11) 2-Methylnaphthalene-d10	12.86	152	5757	0.24	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	310	0.18	ng		0.00
15) 2-Fluorobiphenyl	13.70	172	8854	0.28	ng		0.00
25) Fluoranthene-d10	19.75	212	50030	0.24	ng		0.00
29) Terphenyl-d14	20.31	244	10076	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	1474	0.209	ng	#	56
3) n-Nitrosodimethylamine	4.01	42	2046	0.245	ng		88
6) bis(2-Chloroethyl)ether	7.87	93	3772	0.234	ng		94
9) Naphthalene	11.38	128	43103	0.251	ng		99
10) Hexachlorobutadiene	11.64	225	1934	0.247	ng		97
12) 2-Methylnaphthalene	12.93	142	10338	0.241	ng		96
16) Acenaphthylene	14.79	152	8798	0.228	ng		99
17) Acenaphthene	15.12	154	5839	0.228	ng		93
18) Fluorene	16.08	166	7319	0.230	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	2385	0.252	ng	#	73
21) Hexachlorobenzene	17.09	284	2446	0.252	ng	#	80
22) Pentachlorophenol	17.42	266	678	0.362	ng	#	71
23) Phenanthrene	17.82	178	12576	0.249	ng		97
24) Anthracene	17.91	178	13090	0.253	ng	#	90
26) Fluoranthene	19.78	202	15051	0.242	ng		98
28) Pyrene	20.13	202	15230	0.248	ng		99
30) Benzo(a)anthracene	21.85	228	14041	0.265	ng	#	62
31) Chrysene	21.92	228	16803	0.281	ng	#	62
32) Bis(2-ethylhexyl)phthalate	21.73	149	13560	0.201	ng		98
33) Indeno(1,2,3-cd)pyrene	27.41	276	13518	0.278	ng		99
35) Benzo(b)fluoranthene	23.72	252	13897	0.273	ng	#	90
36) Benzo(k)fluoranthene	23.77	252	13287	0.258	ng	#	92
37) Benzo(a)pyrene	24.43	252	12268	0.272	ng		95
38) Dibenzo(a,h)anthracene	27.43	278	11158	0.267	ng		98
39) Benzo(g,h,i)perylene	28.29	276	12048	0.289	ng	#	93

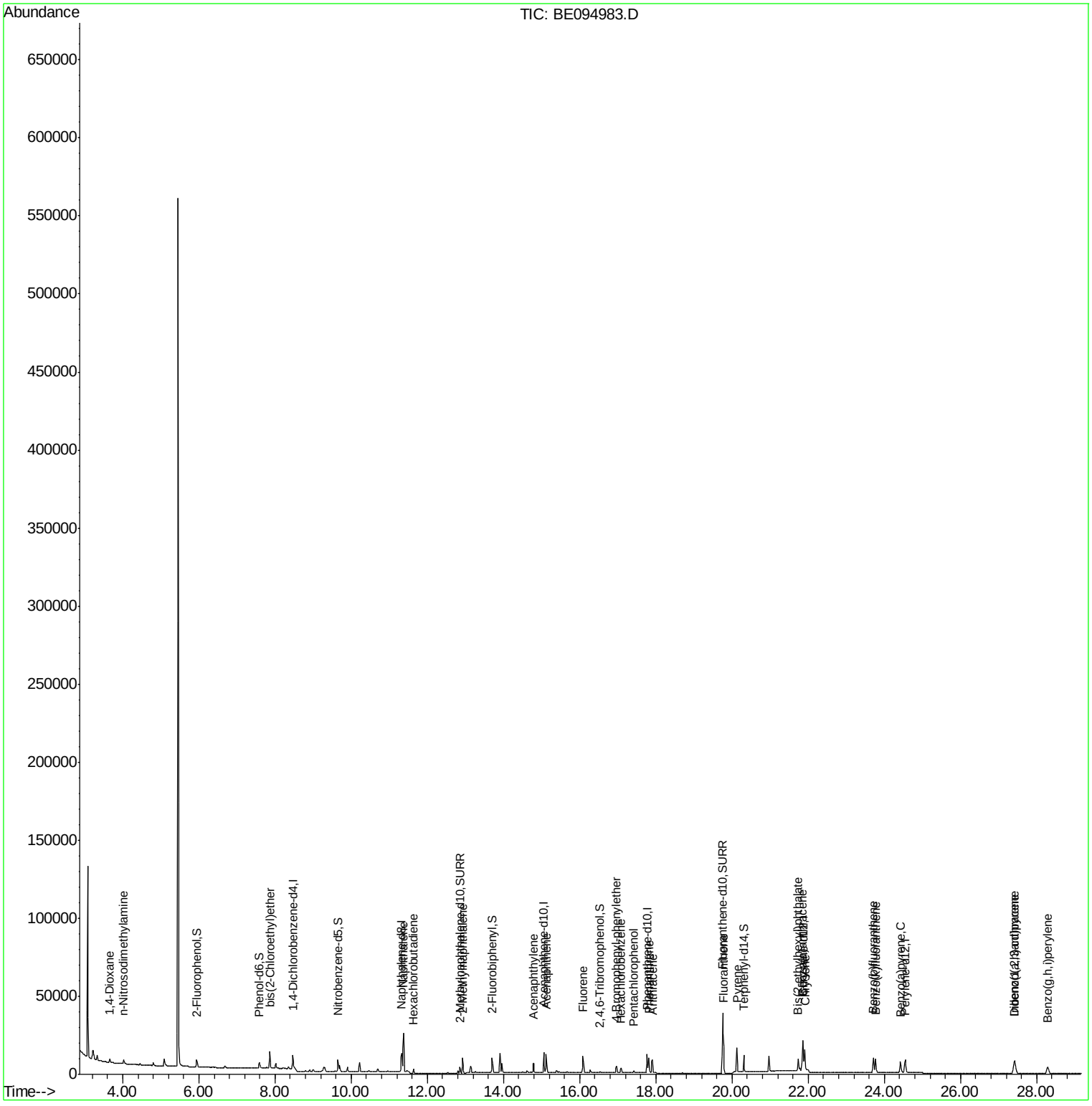
(#) = qualifier out of range (m) = manual integration (+) = signals summed

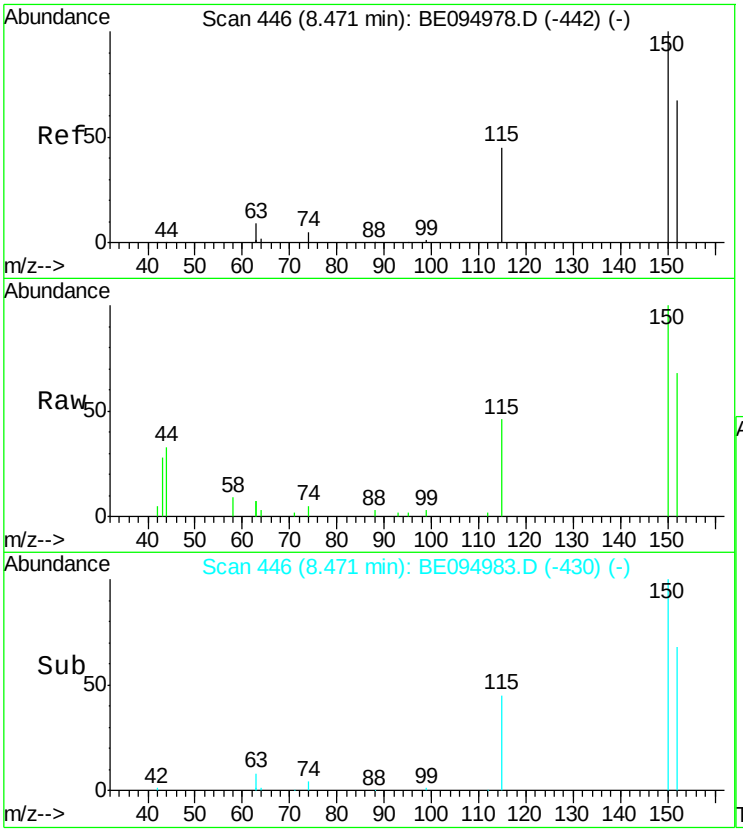
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094983.D
Acq On : 14 Dec 2017 19:01
Operator : SJ/JU
Sample : PB104984BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Quant Time: Dec 15 08:11:02 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration



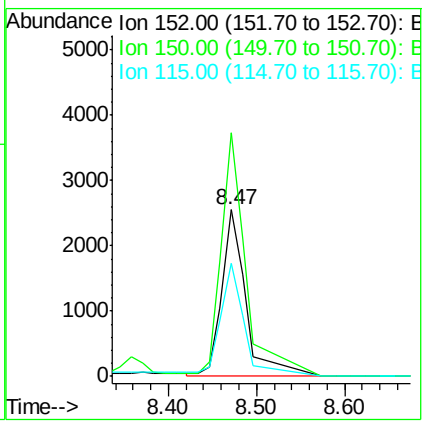


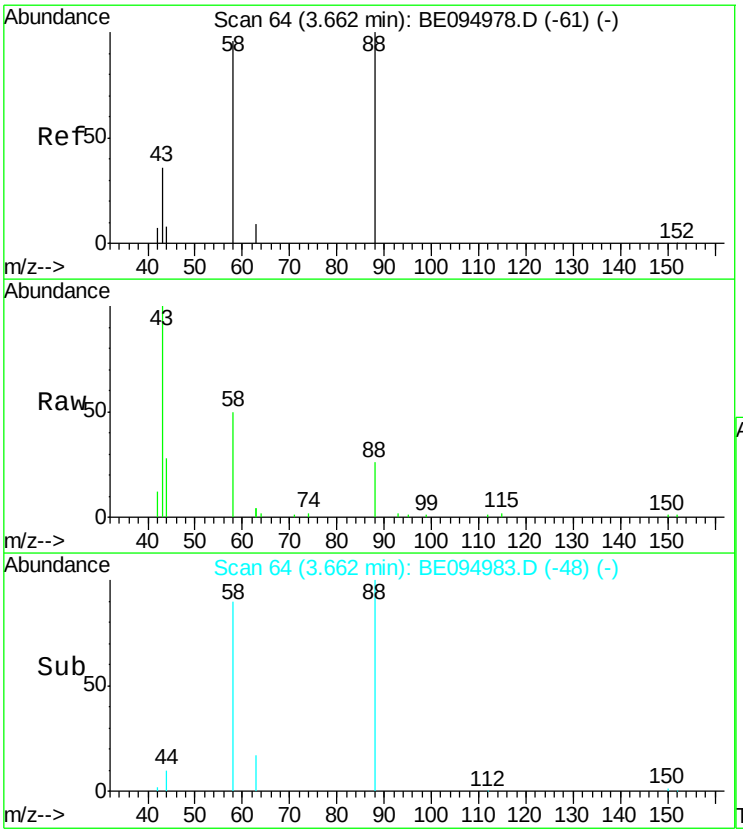
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:152 Resp: 7168

Ion	Ratio	Lower	Upper
152	100		
150	146.2	117.2	175.8
115	67.6	57.0	85.6

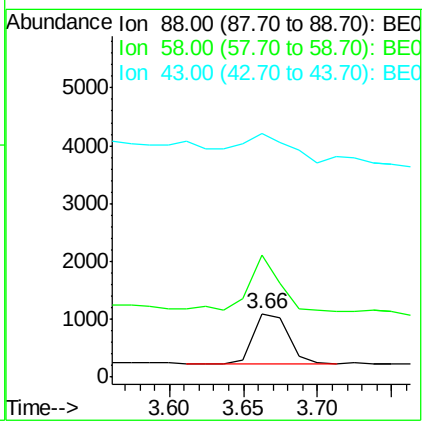


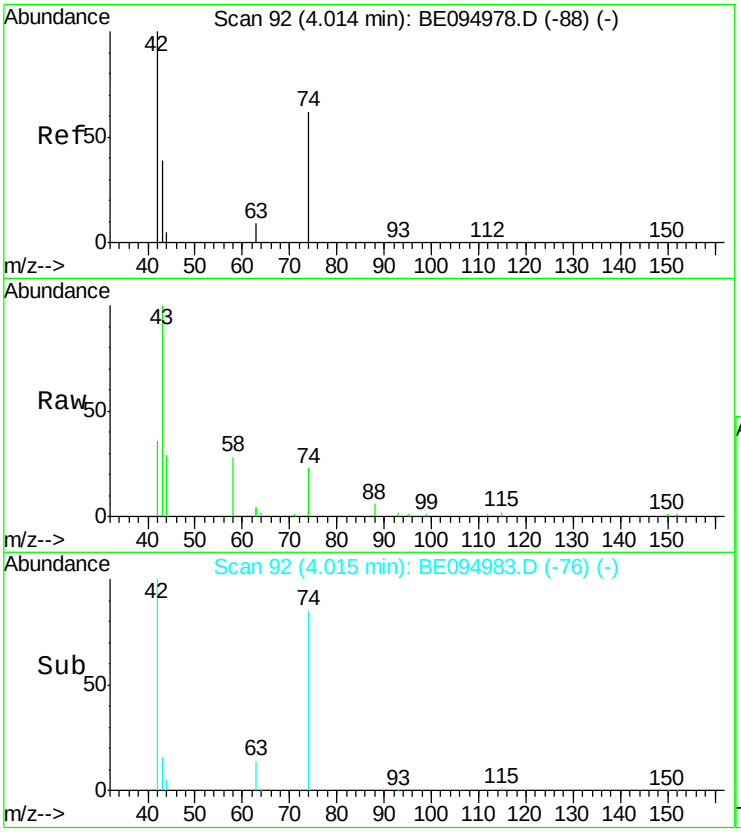


#2
1,4-Dioxane
Concen: 0.209 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion: 88 Resp: 1474

Ion	Ratio	Lower	Upper
88	100		
58	93.8	63.2	94.8
43	110.9	41.2	61.8#



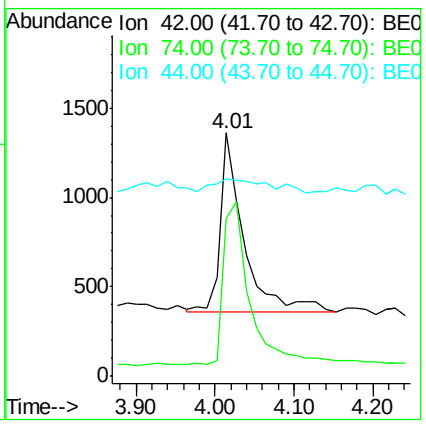


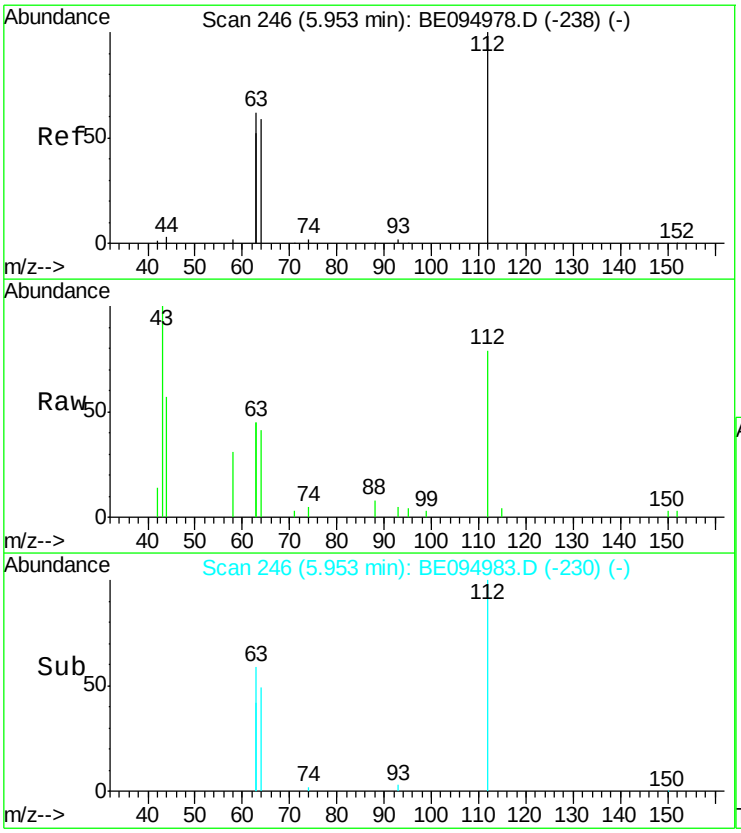
#3
n-Nitrosodimethylamine
Concen: 0.245 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion: 42 Resp: 2046

Ion	Ratio	Lower	Upper
42	100		
74	105.3	96.0	144.0
44	17.3	12.0	18.0

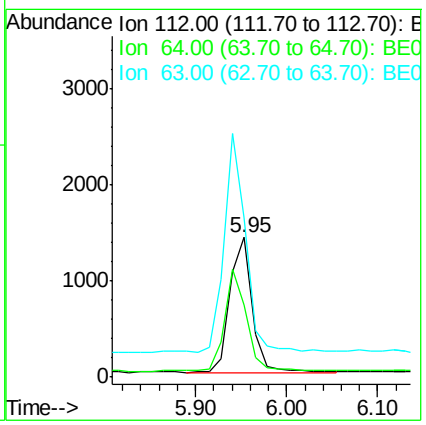


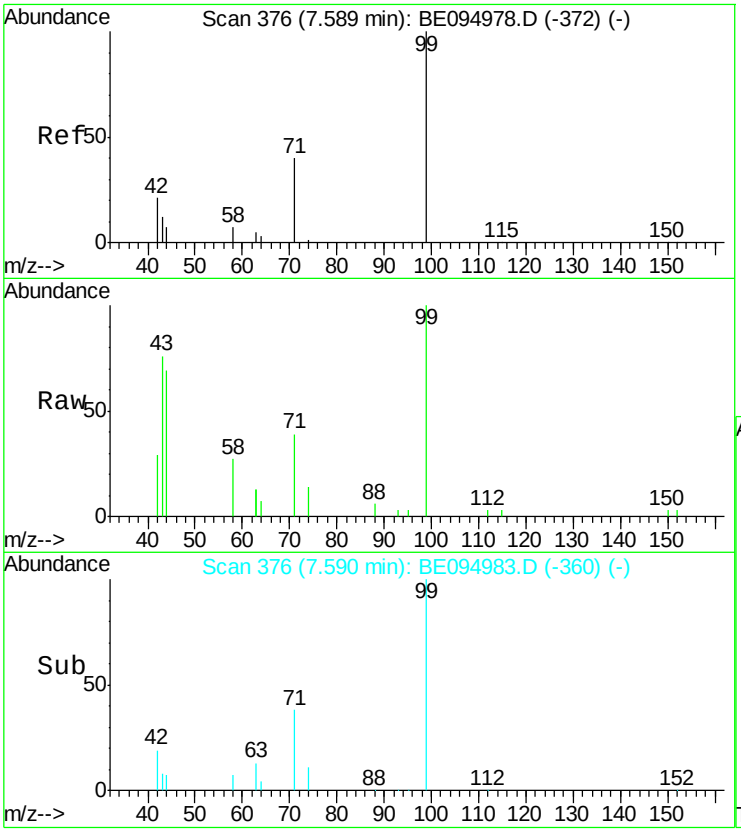


#4
2-Fluorophenol
Concen: 0.214 ng
RT: 5.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:112 Resp: 2379

Ion	Ratio	Lower	Upper
112	100		
64	75.7	60.1	90.1
63	157.1	116.8	175.2



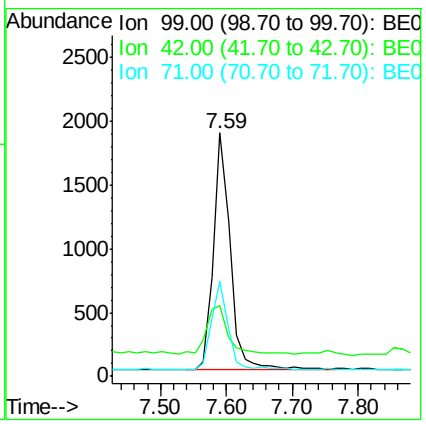


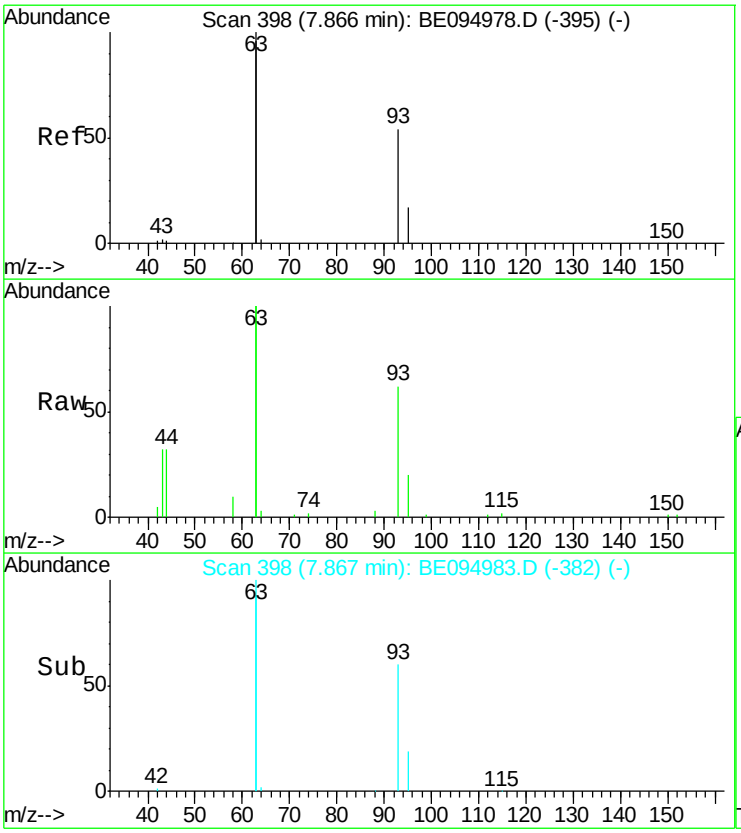
#5
Phenol-d6
Concen: 0.199 ng
RT: 7.59 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion: 99 Resp: 3290

Ion	Ratio	Lower	Upper
99	100		
42	27.6	20.2	30.2
71	37.4	28.4	42.6

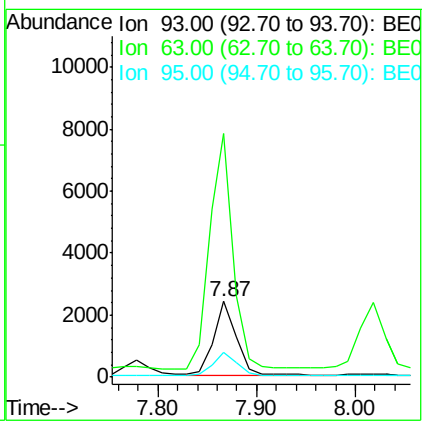


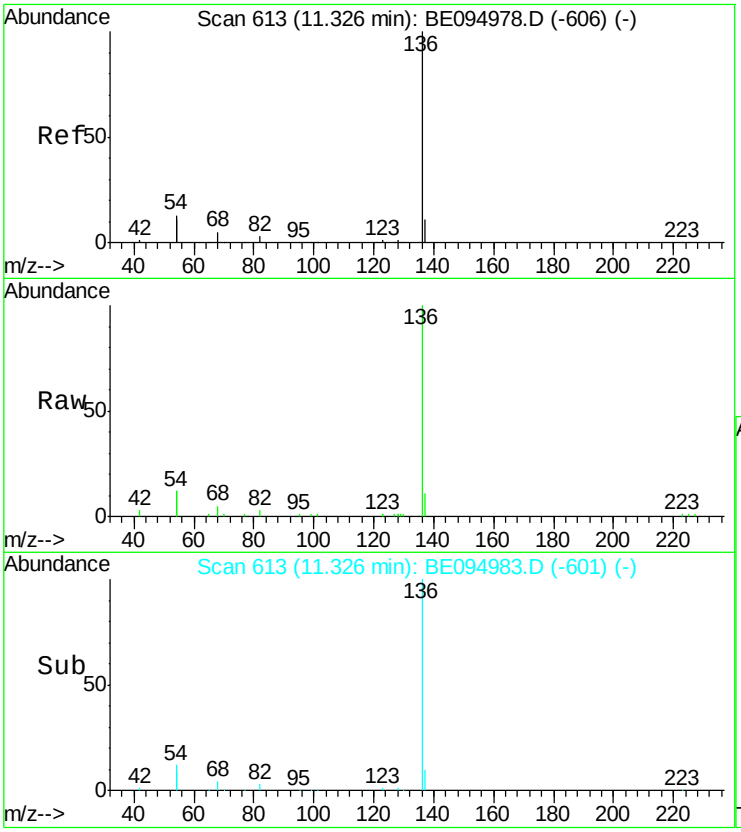


#6
bis(2-Chloroethyl)ether
Concen: 0.234 ng
RT: 7.87 min Scan# 398
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion: 93 Resp: 3772

Ion	Ratio	Lower	Upper
93	100		
63	331.6	275.3	412.9
95	33.1	25.2	37.8



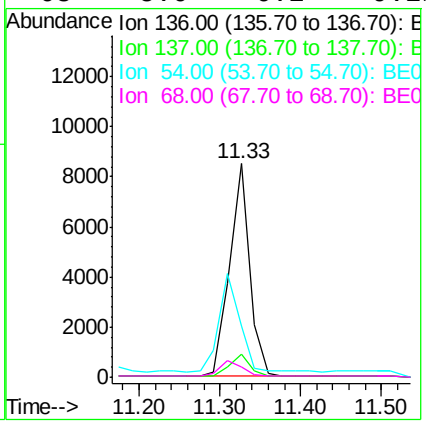


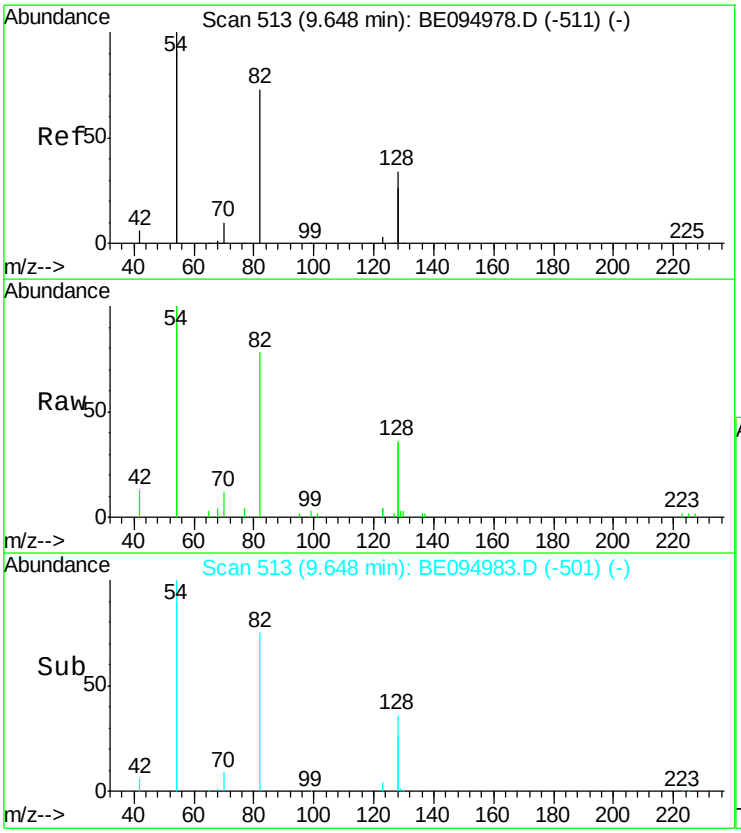
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:136 Resp: 14644

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.5	14.3
54	23.9	29.1	43.7#
68	5.0	6.2	9.2#

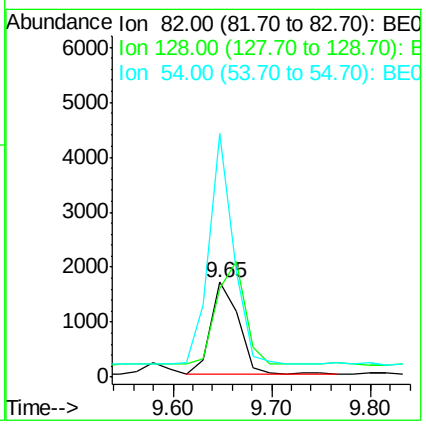


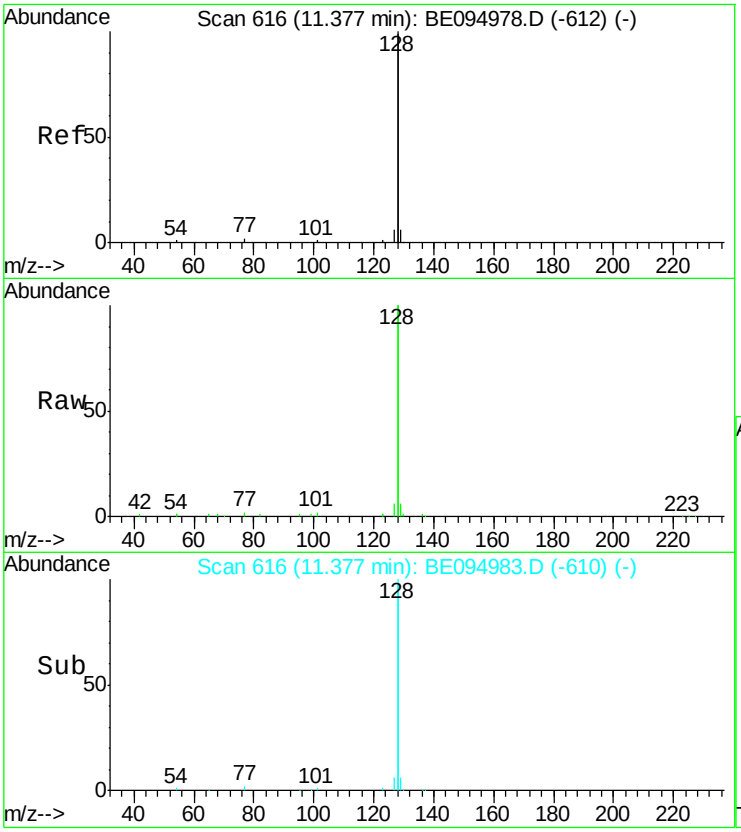


#8
Nitrobenzene-d5
Concen: 0.267 ng
RT: 9.65 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion: 82 Resp: 3214

Ion	Ratio	Lower	Upper
82	100		
128	93.2	150.0	225.0#
54	256.1	154.2	231.4#



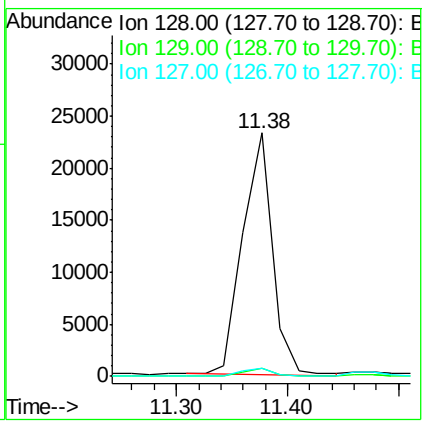


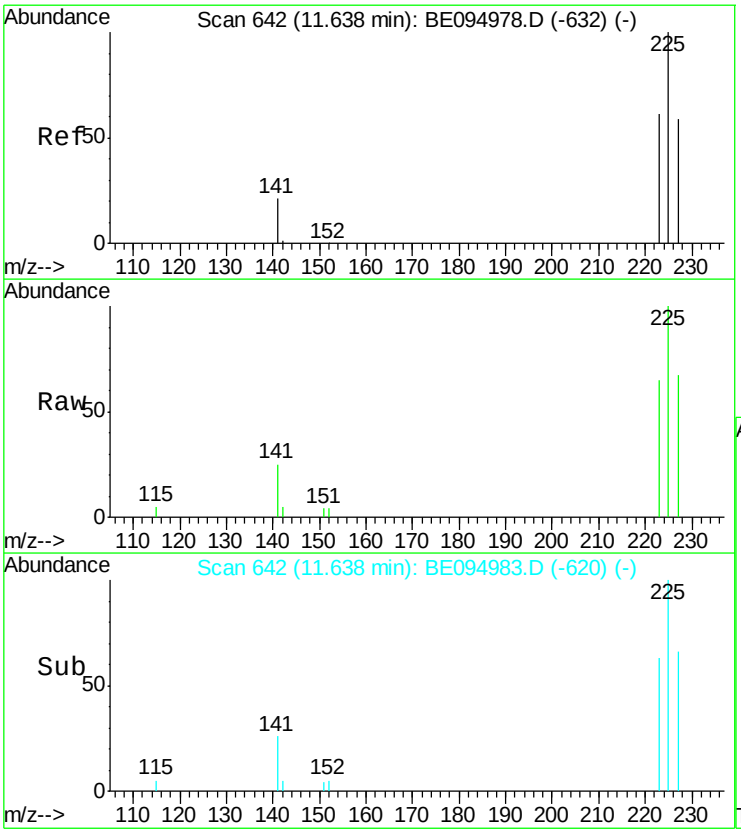
#9
Naphthalene
Concen: 0.251 ng
RT: 11.38 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:128 Resp: 43103

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.2	2.8	4.2

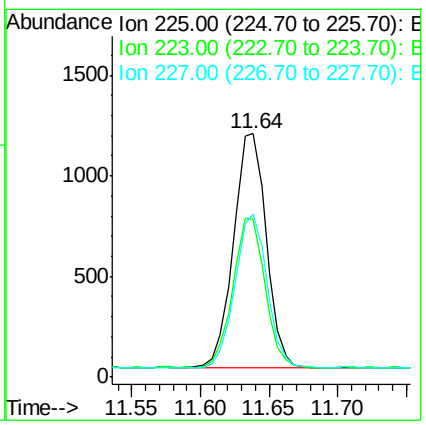


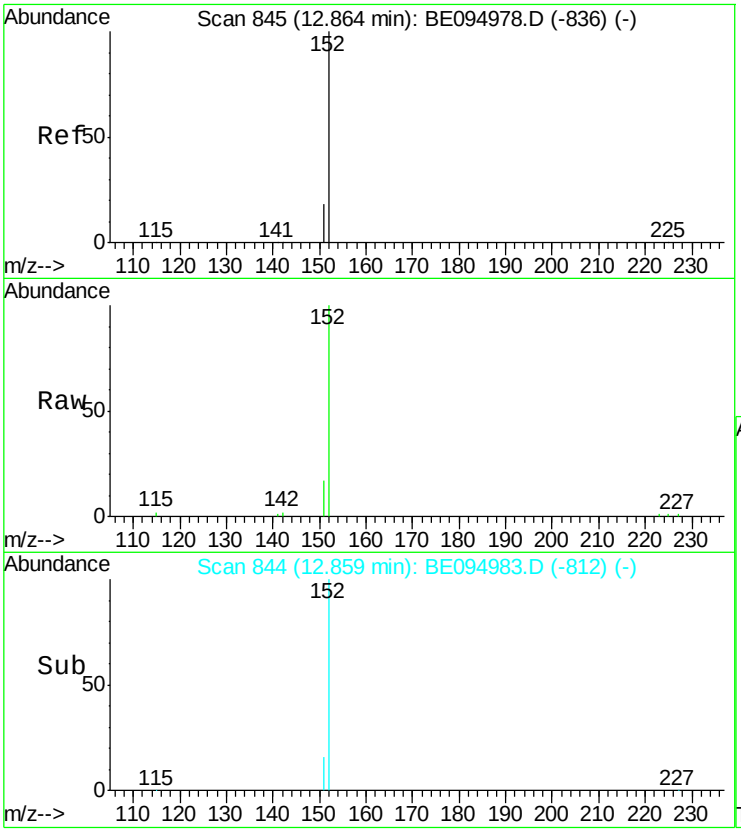


#10
Hexachlorobutadiene
Concen: 0.247 ng
RT: 11.64 min Scan# 642
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:225 Resp: 1934

Ion	Ratio	Lower	Upper
225	100		
223	62.3	53.0	79.6
227	64.2	51.4	77.2



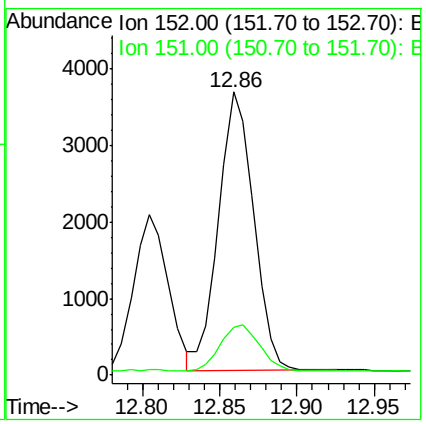


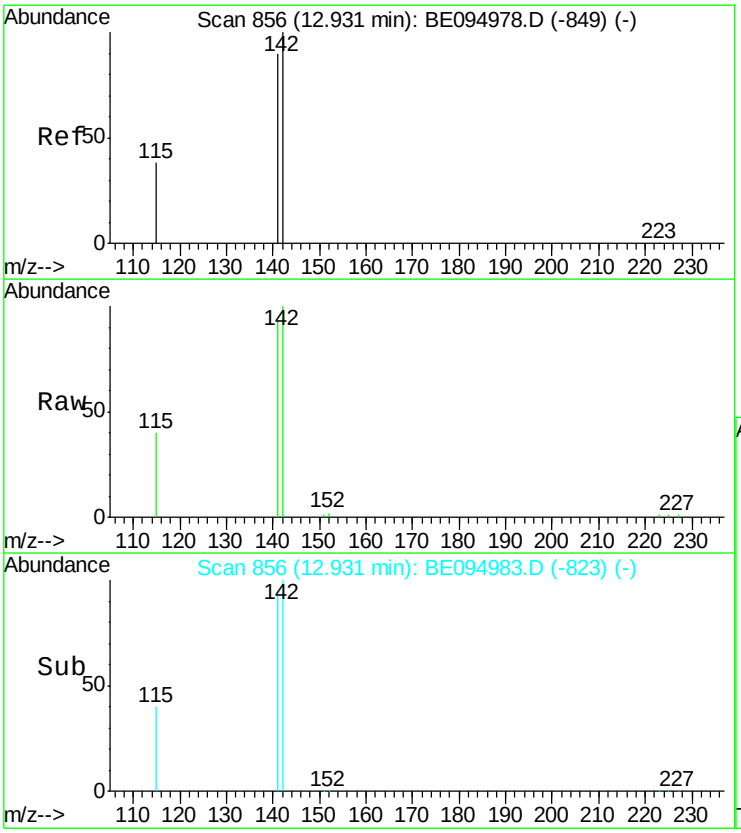
#11
2-Methylnaphthalene-d10
Concen: 0.240 ng
RT: 12.86 min Scan# 844
Delta R.T. -0.01 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:152 Resp: 5757

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

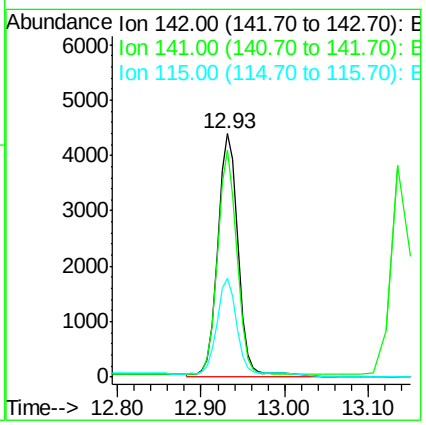


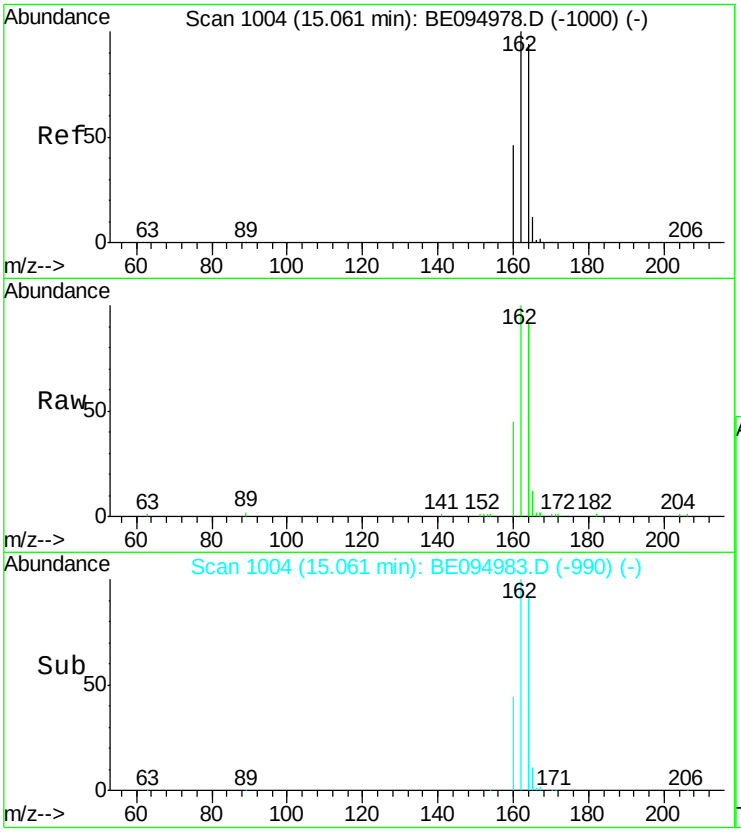


#12
2-Methylnaphthalene
Concen: 0.241 ng
RT: 12.93 min Scan# 856
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:142 Resp: 10338

Ion	Ratio	Lower	Upper
142	100		
141	93.0	70.4	105.6
115	40.5	31.7	47.5



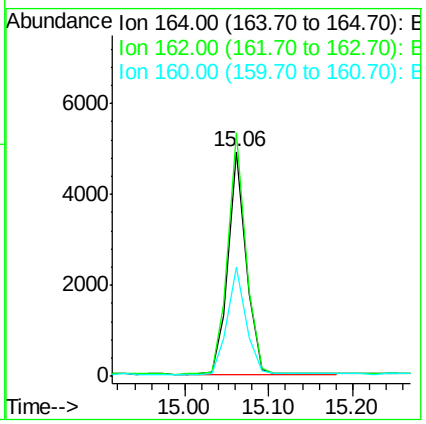


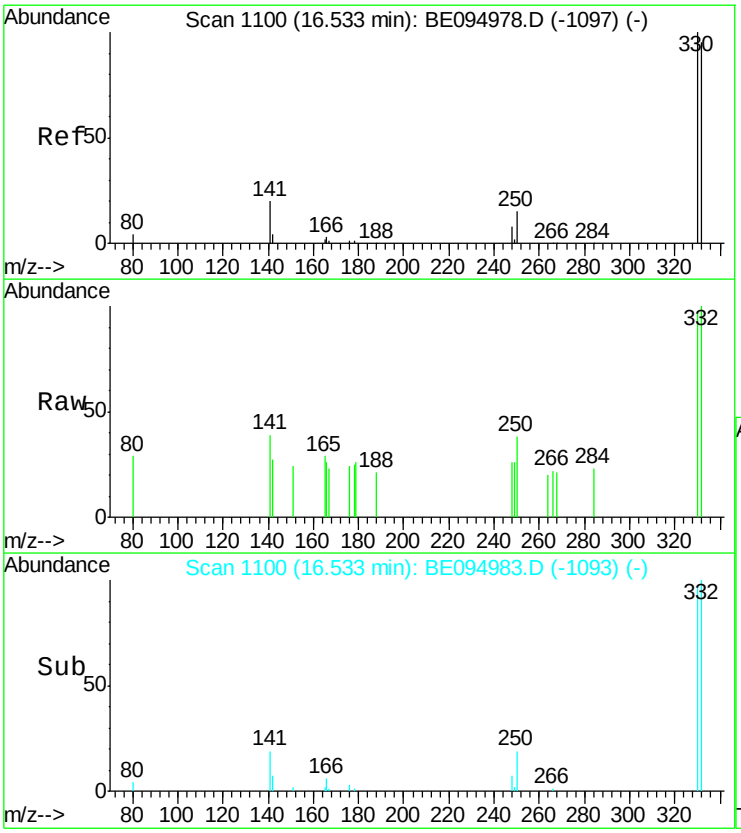
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:164 Resp: 7221

Ion	Ratio	Lower	Upper
164	100		
162	108.2	83.1	124.7
160	48.3	37.1	55.7

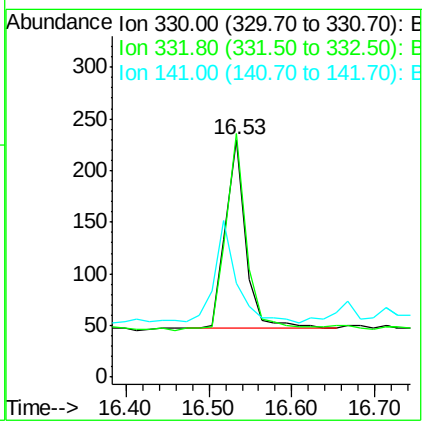


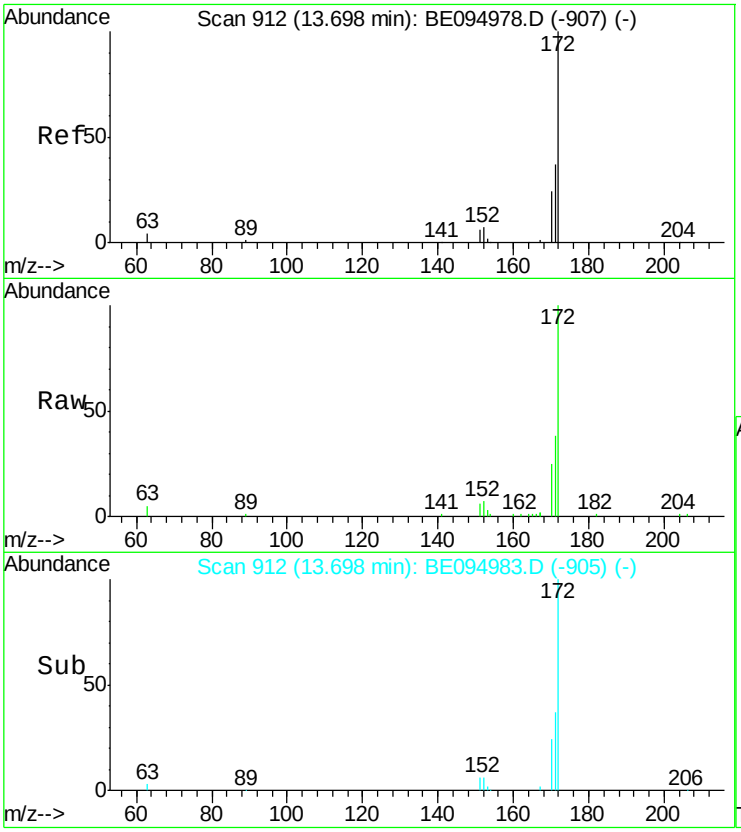


#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:330 Resp: 310

Ion	Ratio	Lower	Upper
330	100		
332	108.7	152.7	229.1#
141	58.1	33.7	50.5#



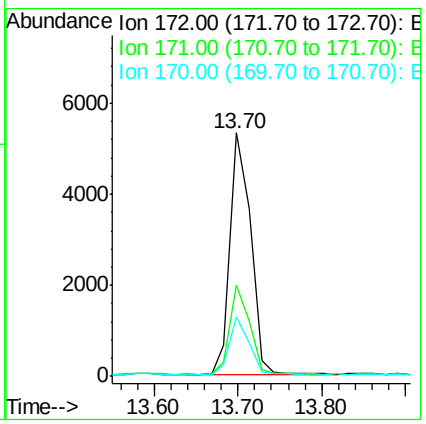


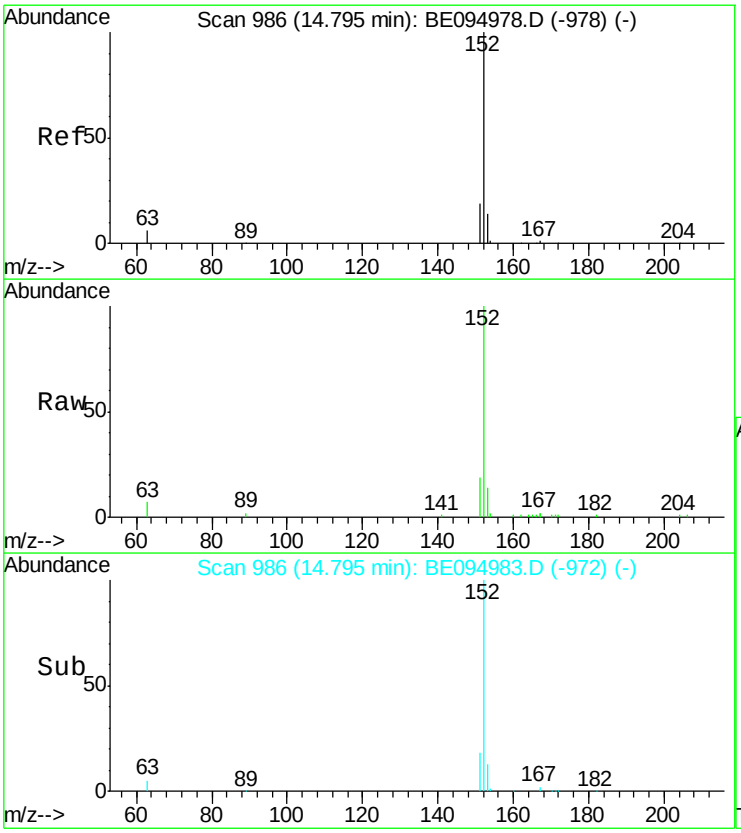
#15
2-Fluorobiphenyl
Concen: 0.277 ng
RT: 13.70 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:172 Resp: 8854

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.9	44.9
170	24.6	21.8	32.8

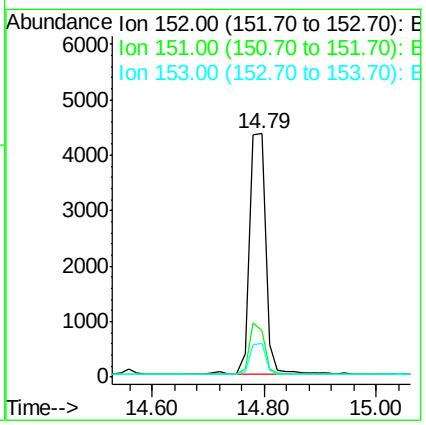


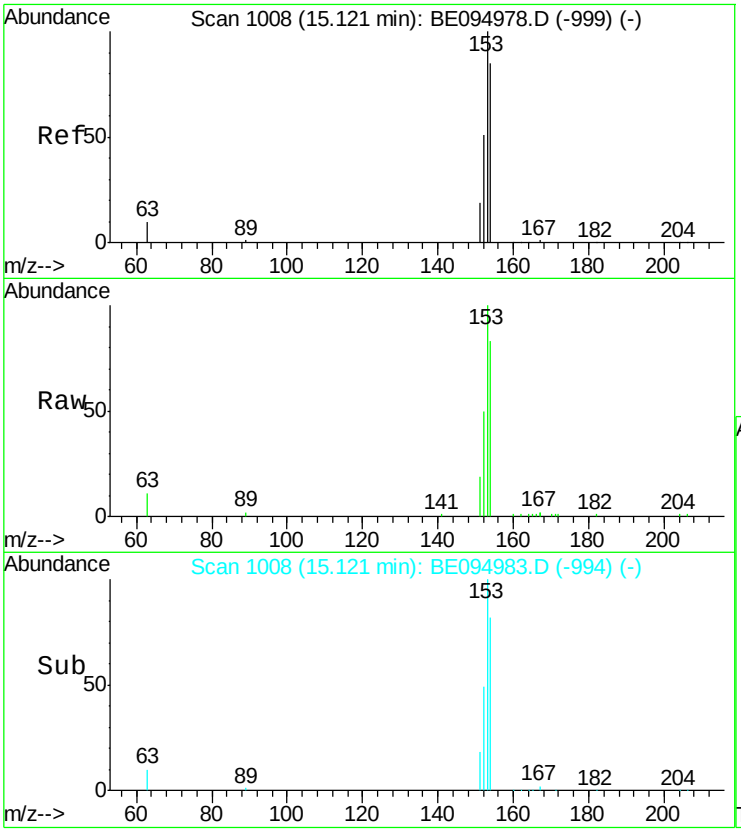


#16
Acenaphthylene
Concen: 0.228 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:152 Resp: 8798

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	12.8	10.5	15.7



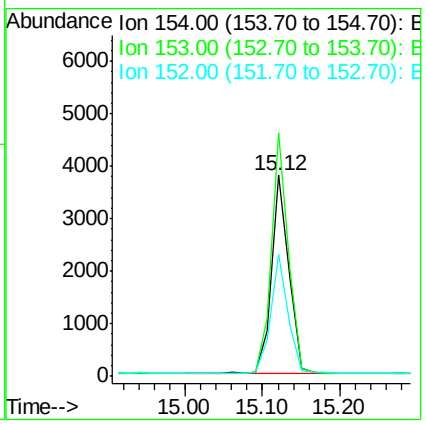


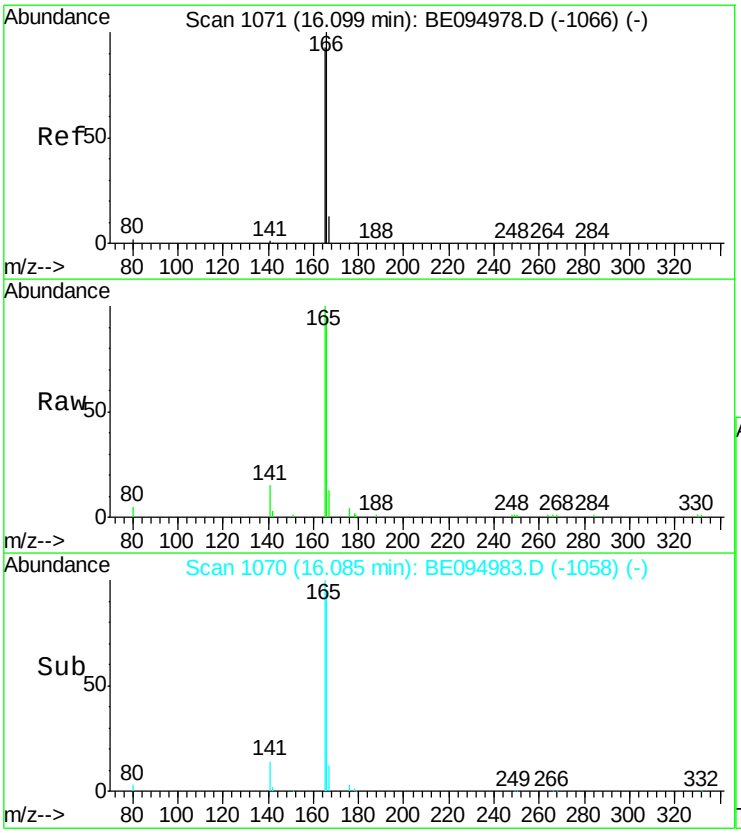
#17
Acenaphthene
Concen: 0.228 ng
RT: 15.12 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:154 Resp: 5839

Ion	Ratio	Lower	Upper
154	100		
153	117.6	89.2	133.8
152	60.2	42.0	63.0

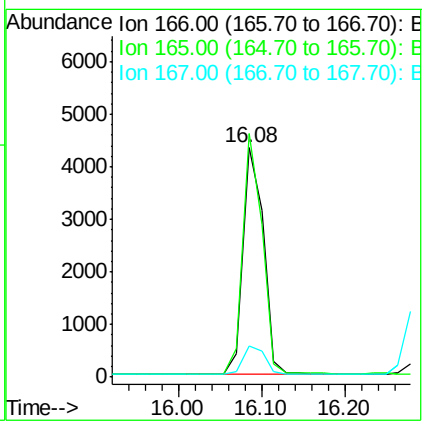


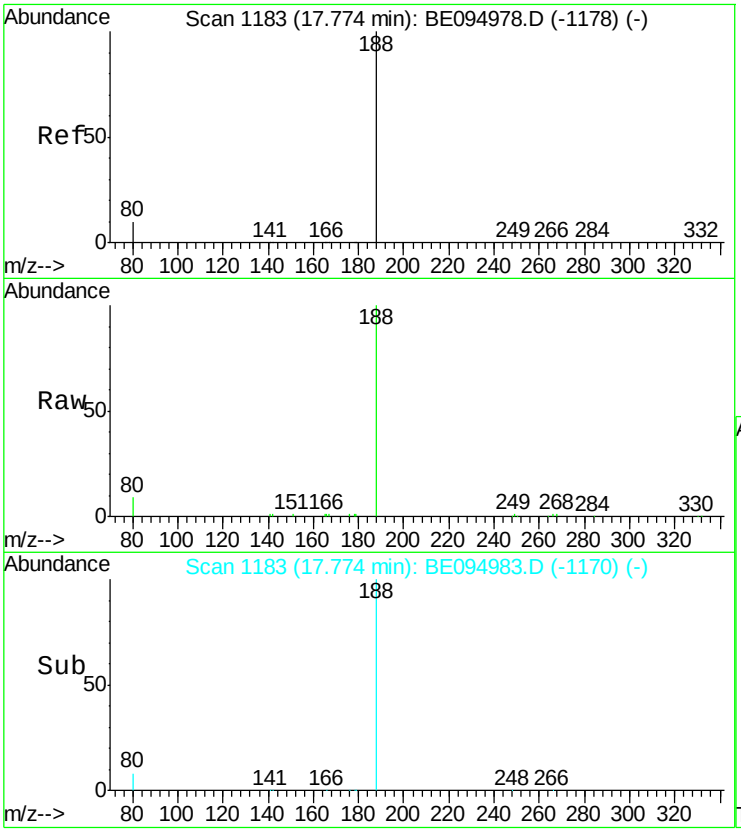


#18
Fluorene
Concen: 0.230 ng
RT: 16.08 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:166 Resp: 7319

Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.8	116.6
167	13.9	42.4	63.6#



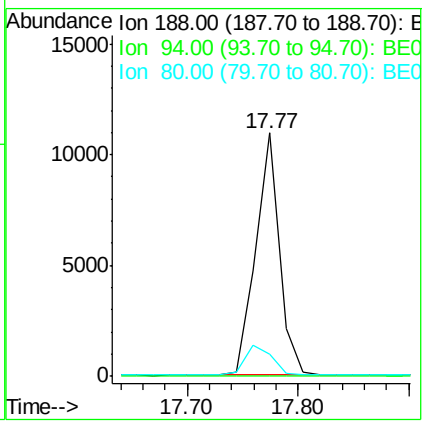


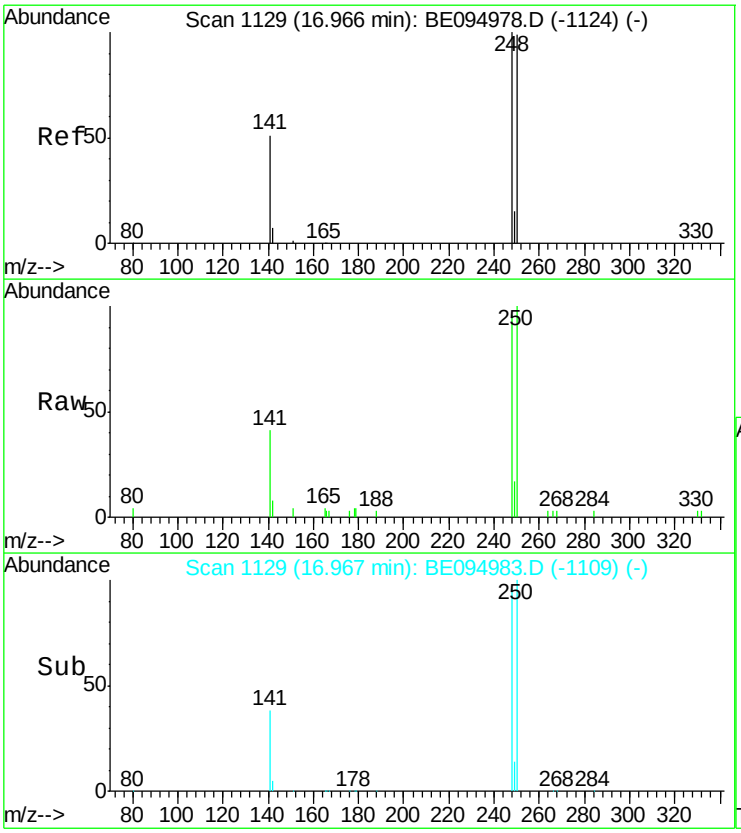
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:188 Resp: 16189

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.9	3.6	5.4#

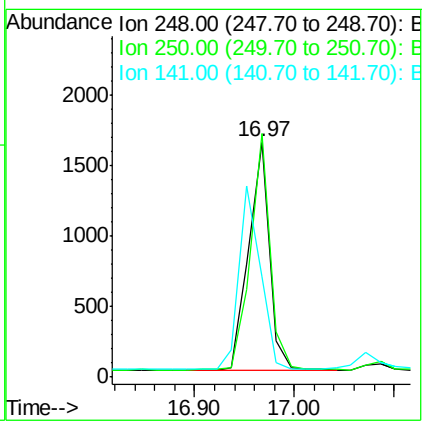


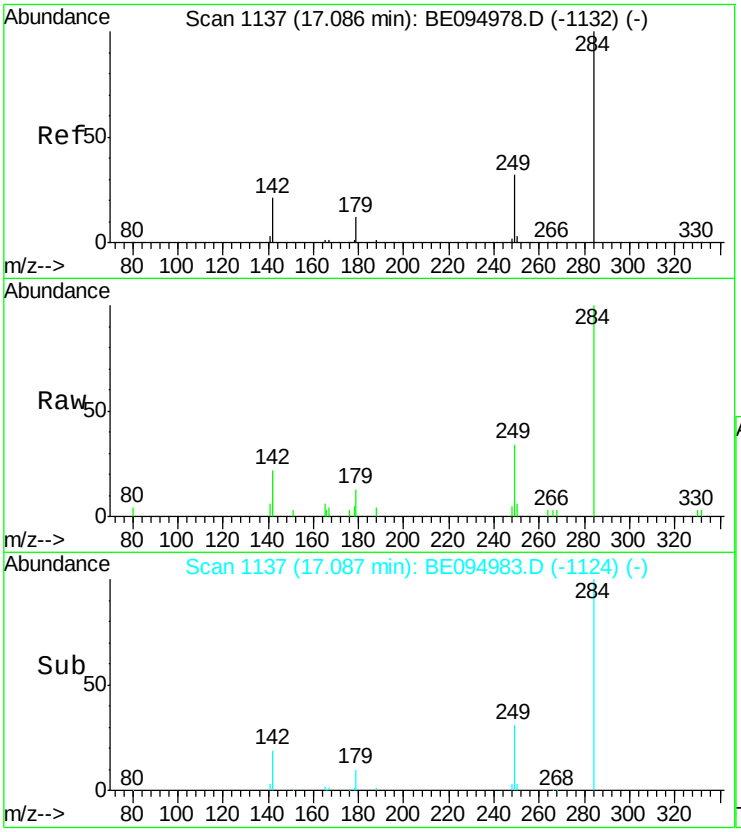


#20
4-Bromophenyl-phenylether
Concen: 0.252 ng
RT: 16.97 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:248 Resp: 2385

Ion	Ratio	Lower	Upper
248	100		
250	103.7	62.7	94.1#
141	42.5	48.2	72.2#



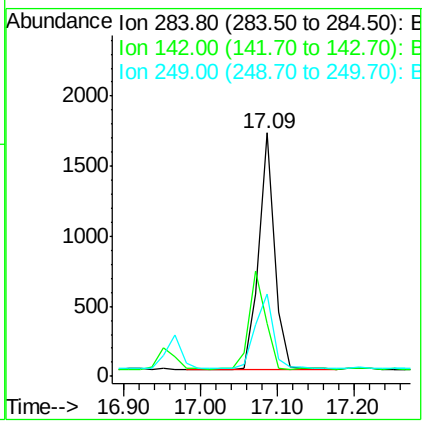


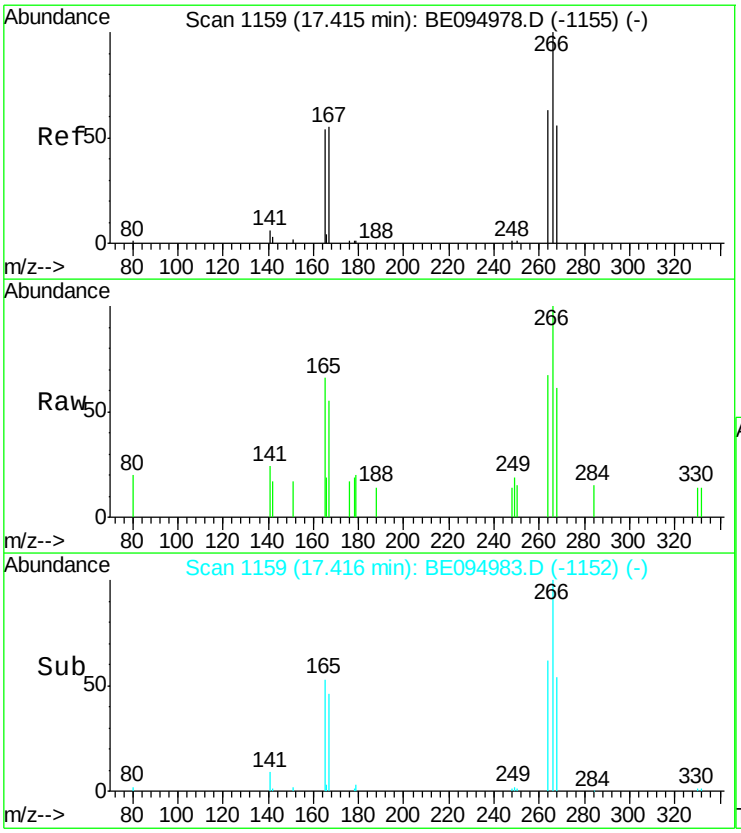
#21
Hexachlorobenzene
Concen: 0.252 ng
RT: 17.09 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:284 Resp: 2446

Ion	Ratio	Lower	Upper
284	100		
142	42.6	22.1	33.1#
249	34.7	34.8	52.2#

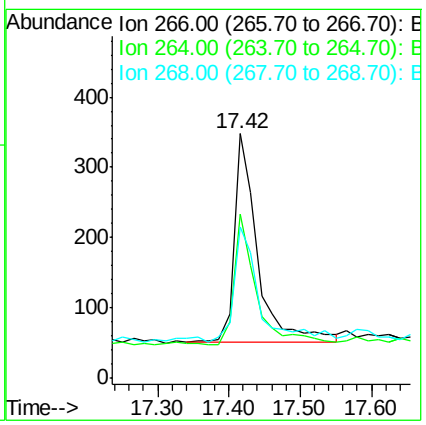


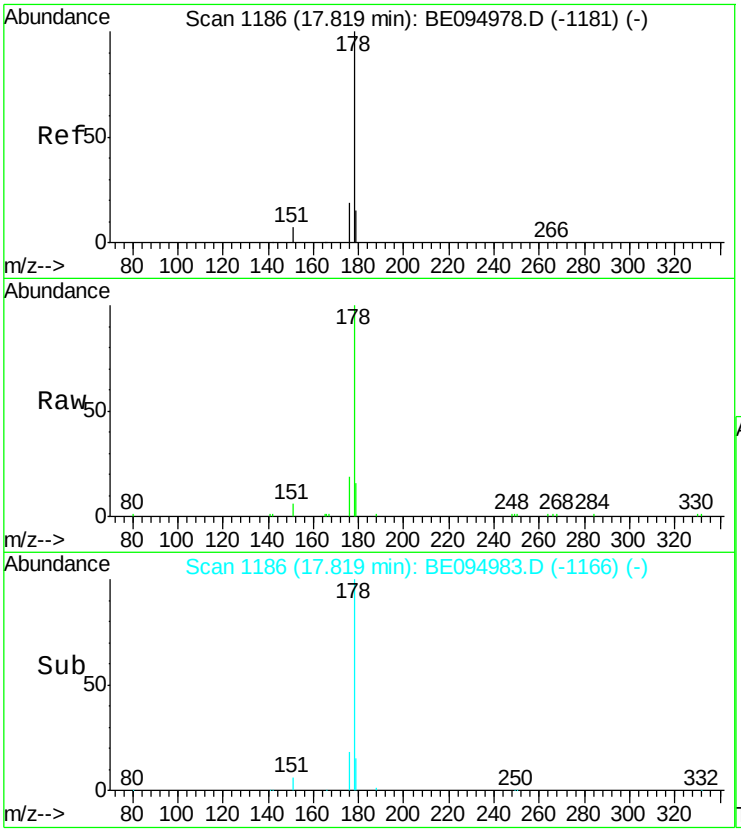


#22
Pentachlorophenol
Concen: 0.362 ng
RT: 17.42 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:266 Resp: 678

Ion	Ratio	Lower	Upper
266	100		
264	67.0	72.5	108.7#
268	61.5	73.8	110.6#



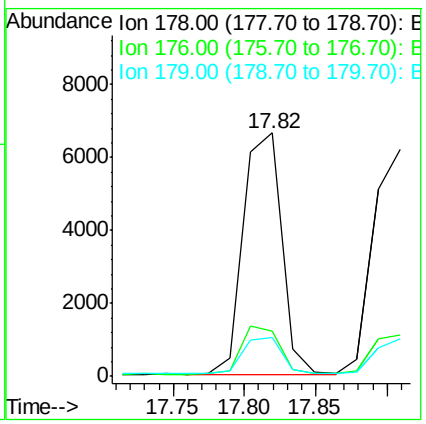


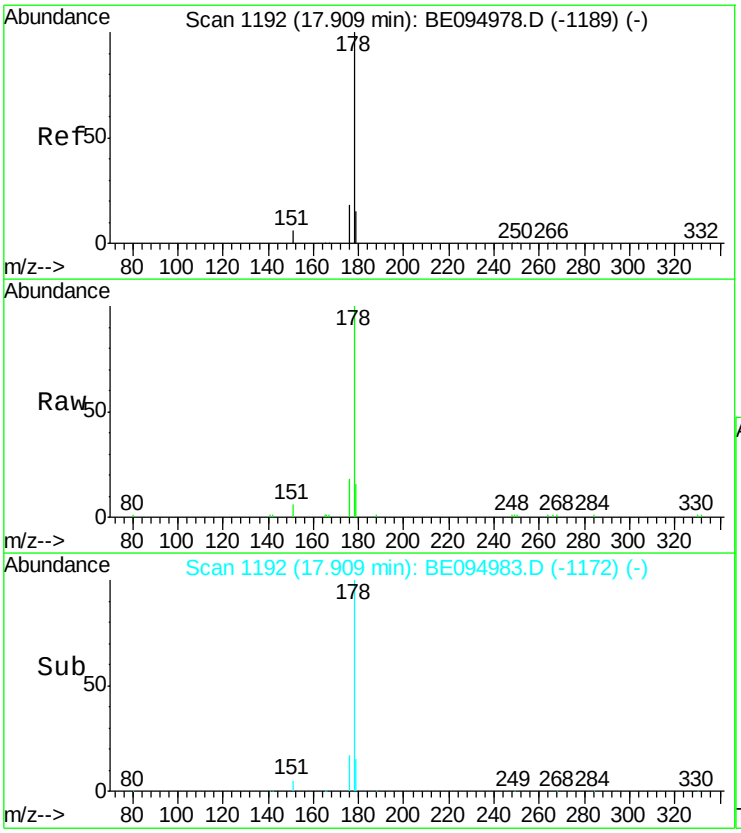
#23
Phenanthrene
Concen: 0.249 ng
RT: 17.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:178 Resp: 12576

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.1	22.7
179	16.1	11.8	17.6

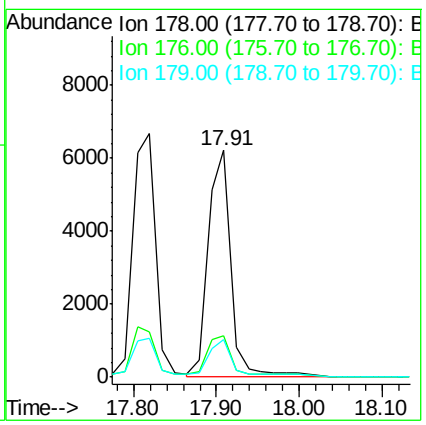


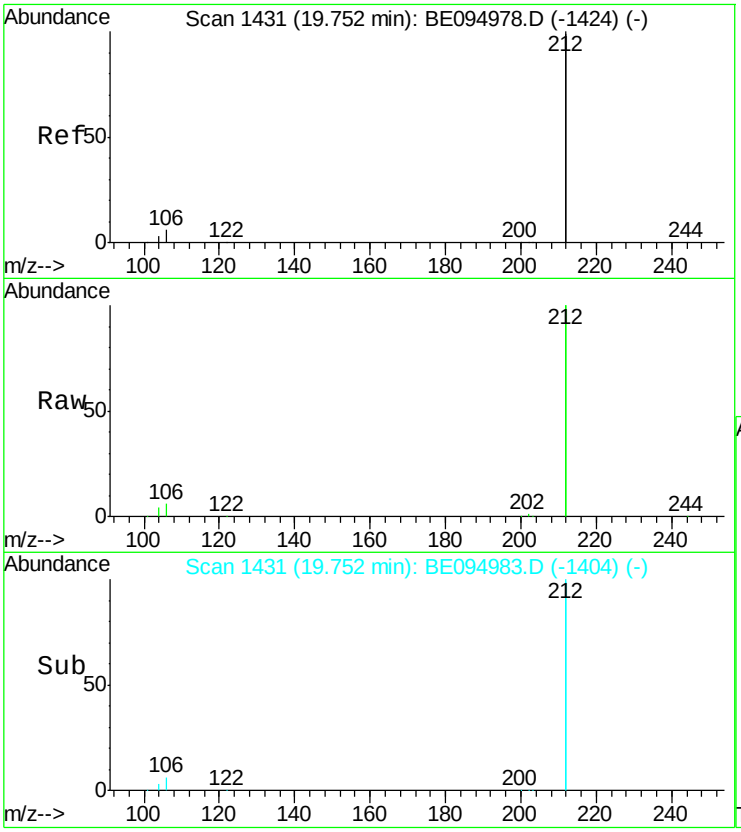


#24
Anthracene
Concen: 0.253 ng
RT: 17.91 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:178 Resp: 13090

Ion	Ratio	Lower	Upper
178	100		
176	21.6	12.8	19.2#
179	19.1	13.0	19.6



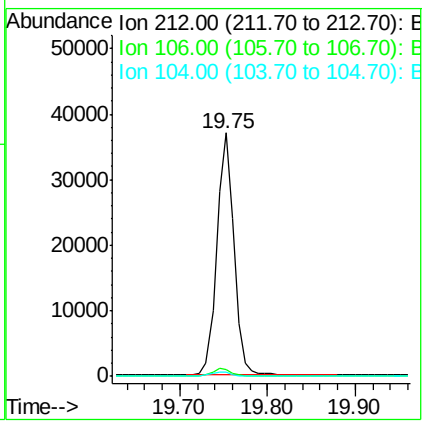


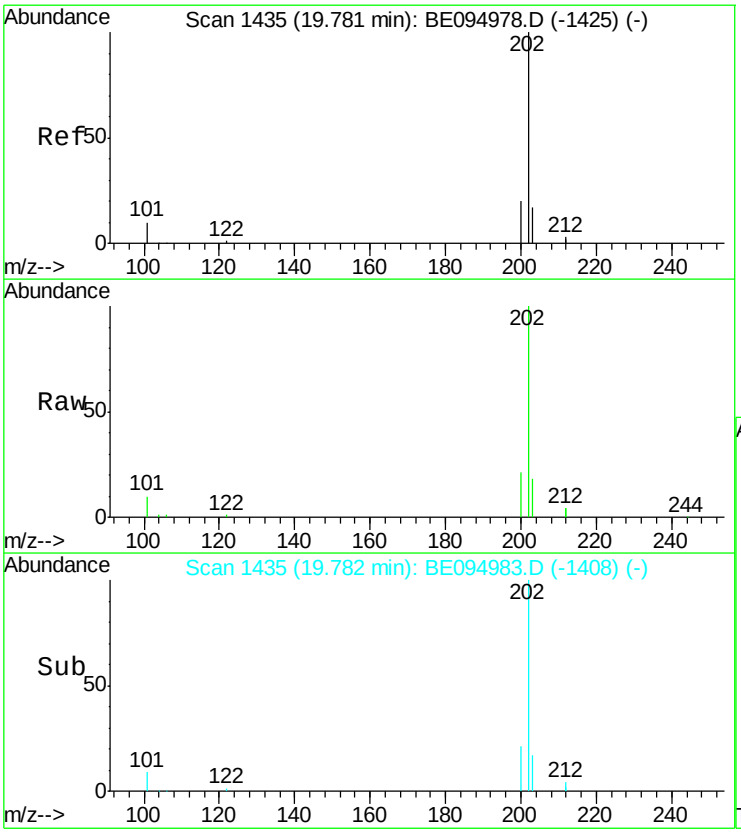
#25
Fluoranthene-d10
Concen: 0.238 ng
RT: 19.75 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:212 Resp: 50030

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.8	4.2
104	1.8	1.6	2.4

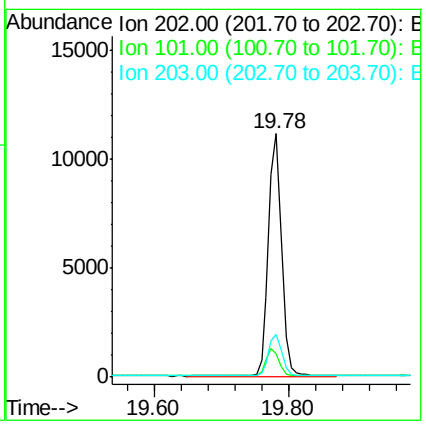


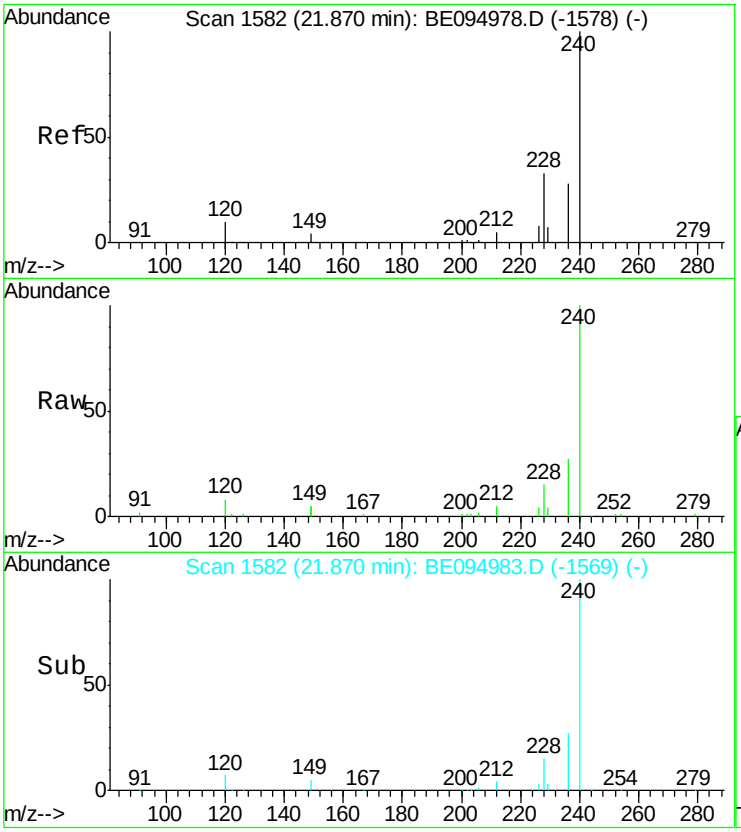


#26
Fluoranthene
Concen: 0.242 ng
RT: 19.78 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:202 Resp: 15051

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.8	13.7	20.5



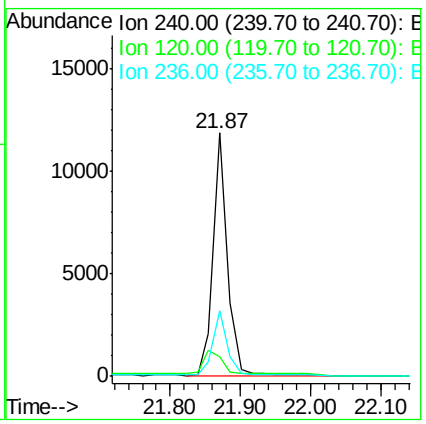


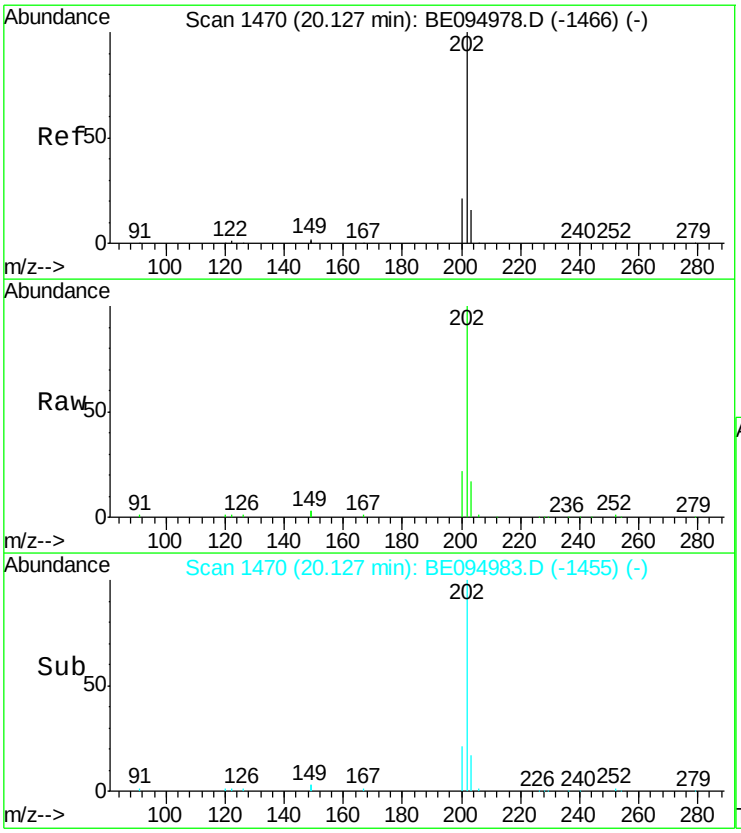
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:240 Resp: 18152

Ion	Ratio	Lower	Upper
240	100		
120	8.1	5.5	8.3
236	27.2	20.7	31.1

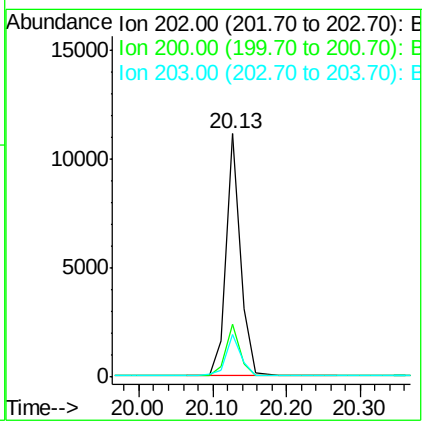


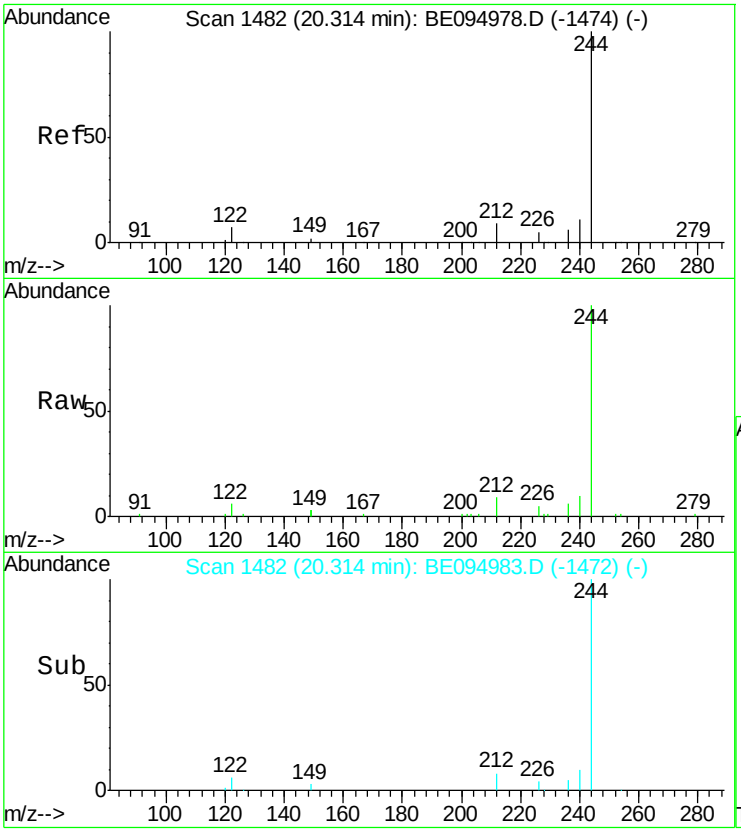


#28
Pyrene
Concen: 0.248 ng
RT: 20.13 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:202 Resp: 15230

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	17.7	13.8	20.8



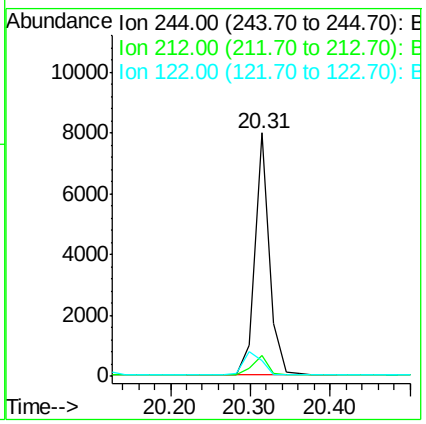


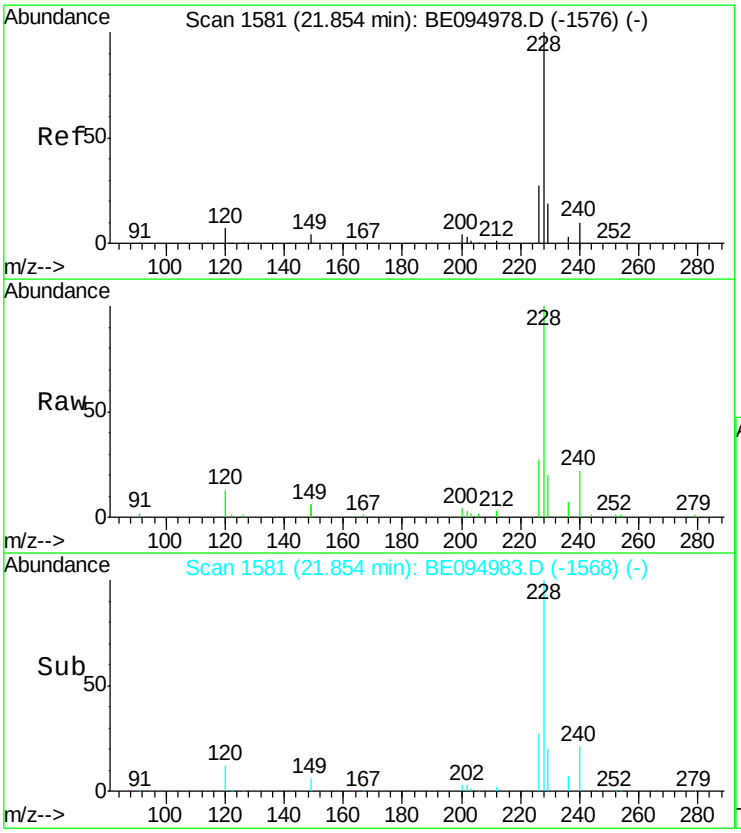
#29
Terphenyl-d14
Concen: 0.295 ng
RT: 20.31 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:244 Resp: 10076

Ion	Ratio	Lower	Upper
244	100		
212	8.6	25.4	38.0#
122	6.3	8.1	12.1#

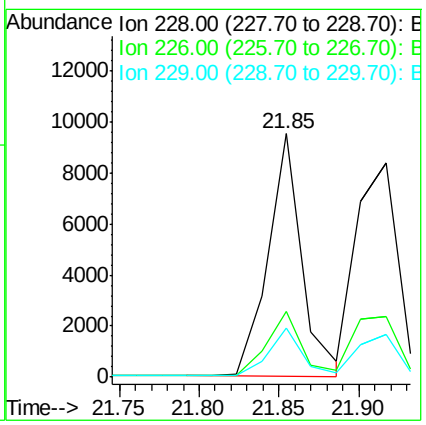


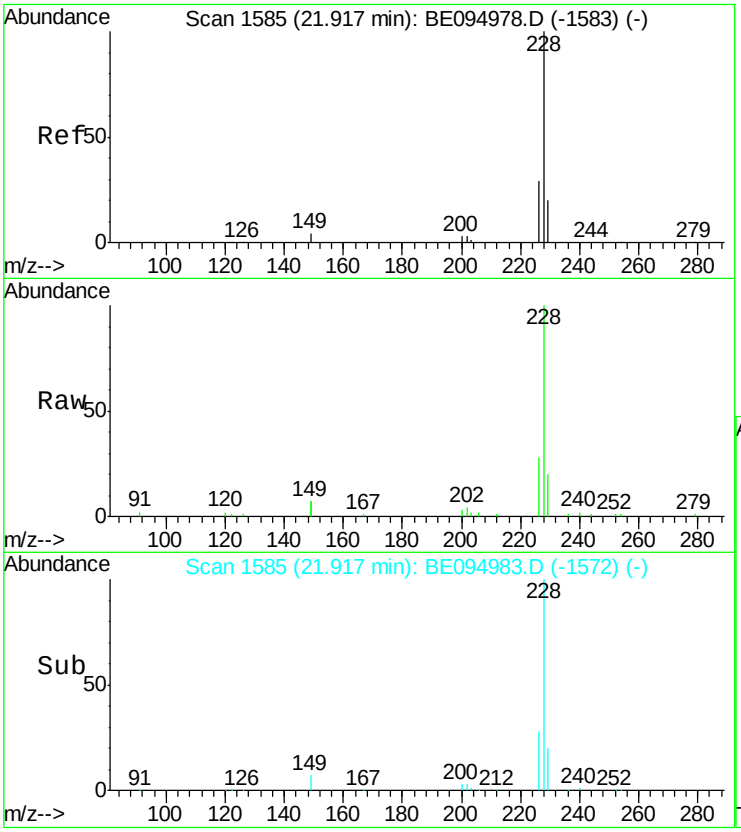


#30
Benzo(a)anthracene
Concen: 0.265 ng
RT: 21.85 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:228 Resp: 14041

Ion	Ratio	Lower	Upper
228	100		
226	27.1	40.0	60.0#
229	20.3	40.0	60.0#



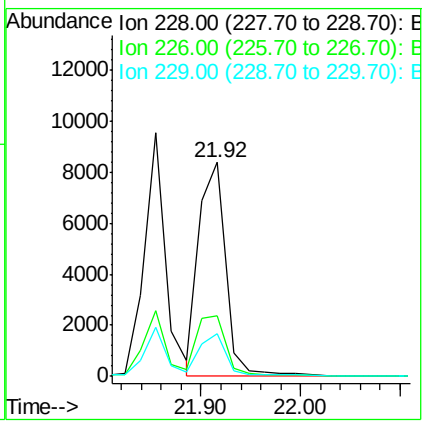


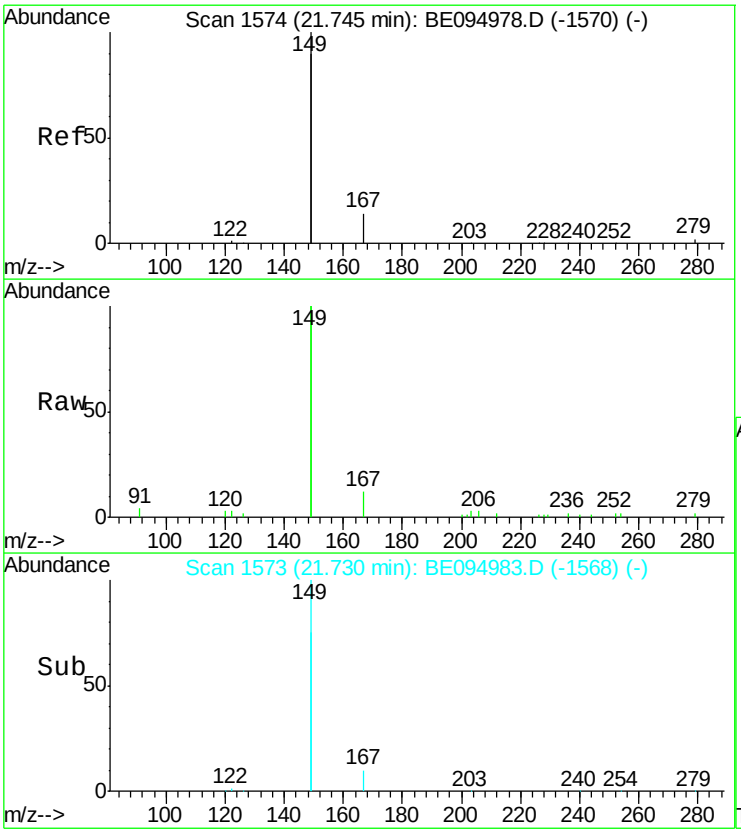
#31
Chrysene
Concen: 0.281 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:228 Resp: 16803

Ion	Ratio	Lower	Upper
228	100		
226	28.1	40.0	60.0#
229	20.2	40.0	60.0#

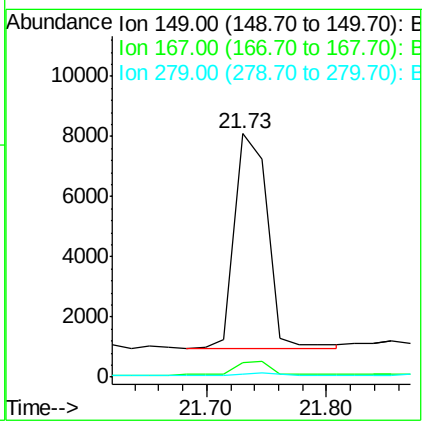


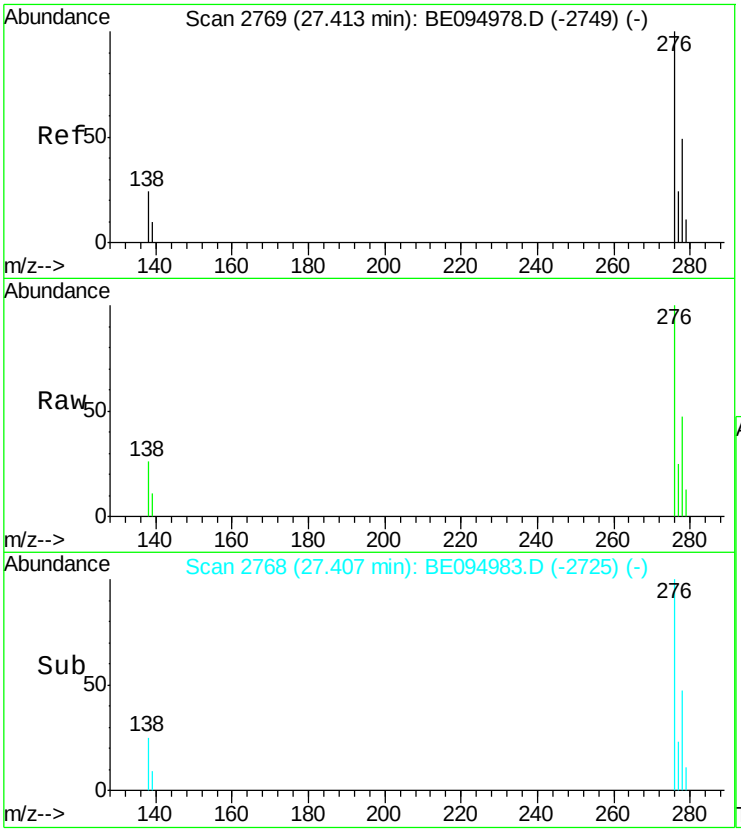


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.201 ng
RT: 21.73 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:149 Resp: 13560

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	0.8	0.7	1.1



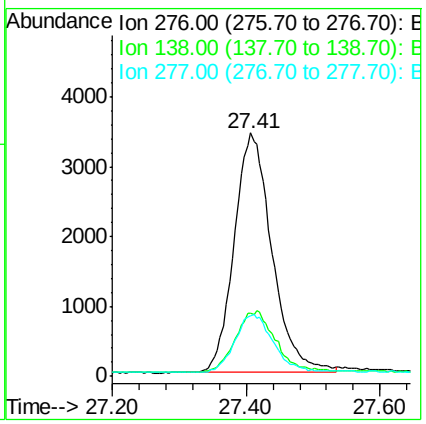


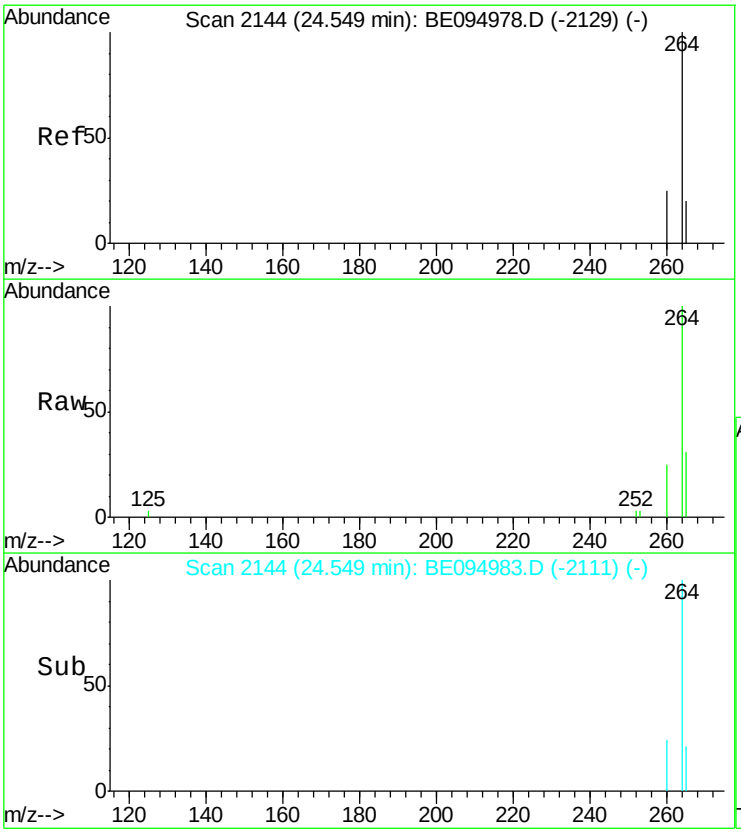
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.278 ng
RT: 27.41 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:276 Resp: 13518

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.5	33.7
277	24.6	19.9	29.9

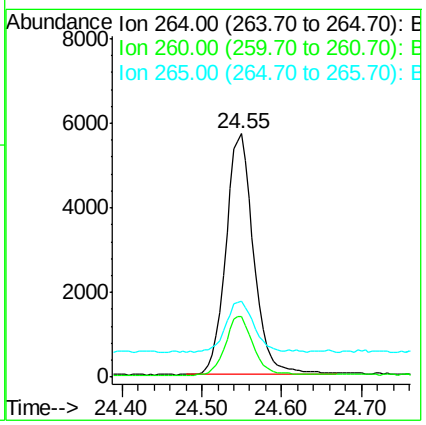


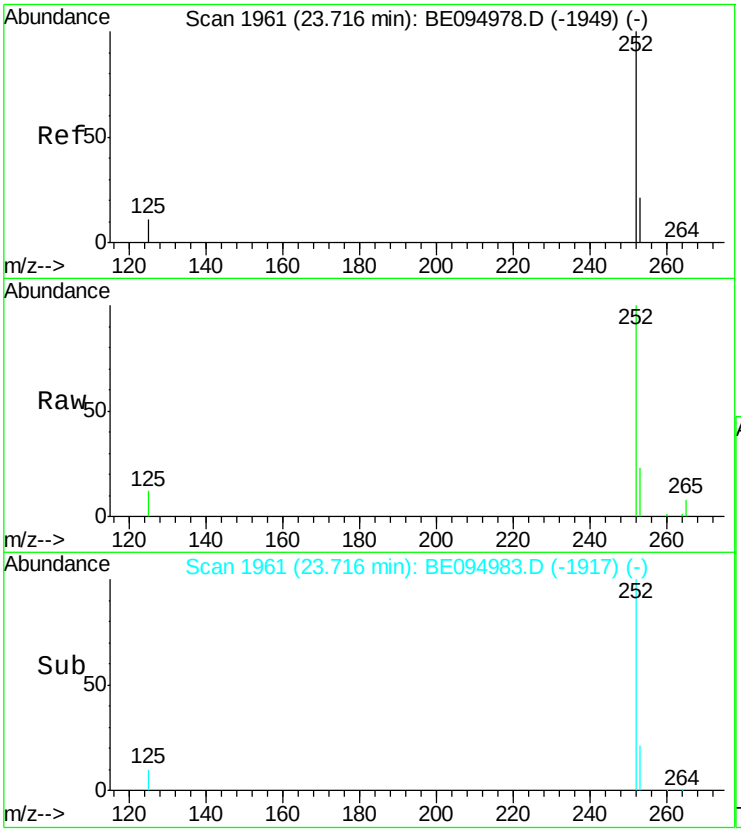


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:264 Resp: 13837

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.5	30.7
265	31.3	22.8	34.2



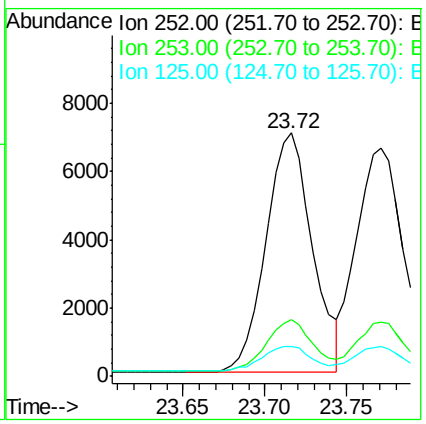


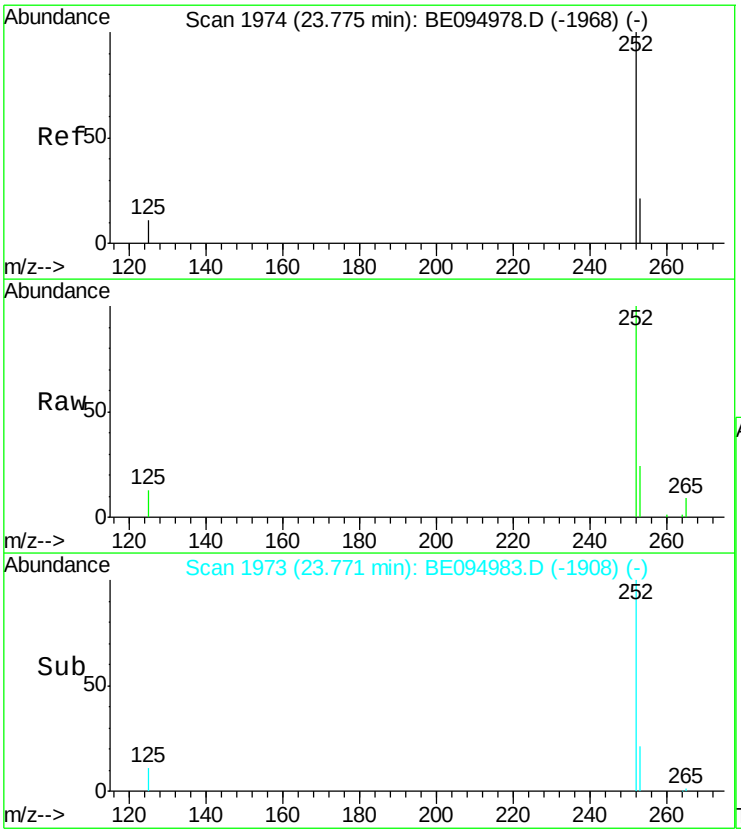
#35
Benzo(b)fluoranthene
Concen: 0.273 ng
RT: 23.72 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:252 Resp: 13897

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	12.3	16.0	24.0#

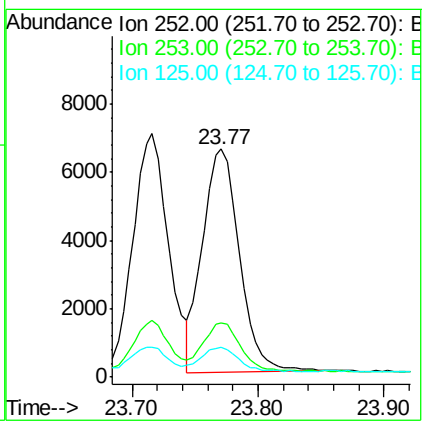


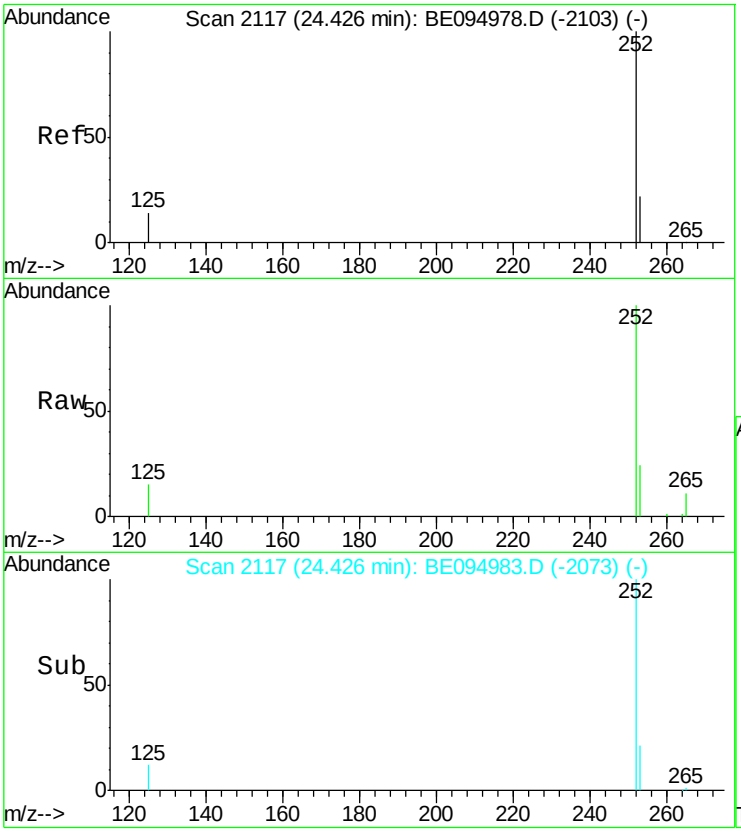


#36
Benzo(k)fluoranthene
Concen: 0.258 ng
RT: 23.77 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:252 Resp: 13287

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	13.3	8.0	12.0#



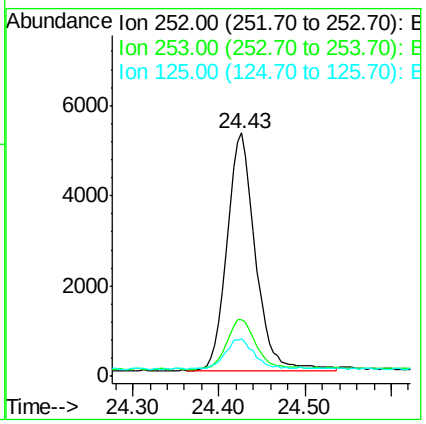


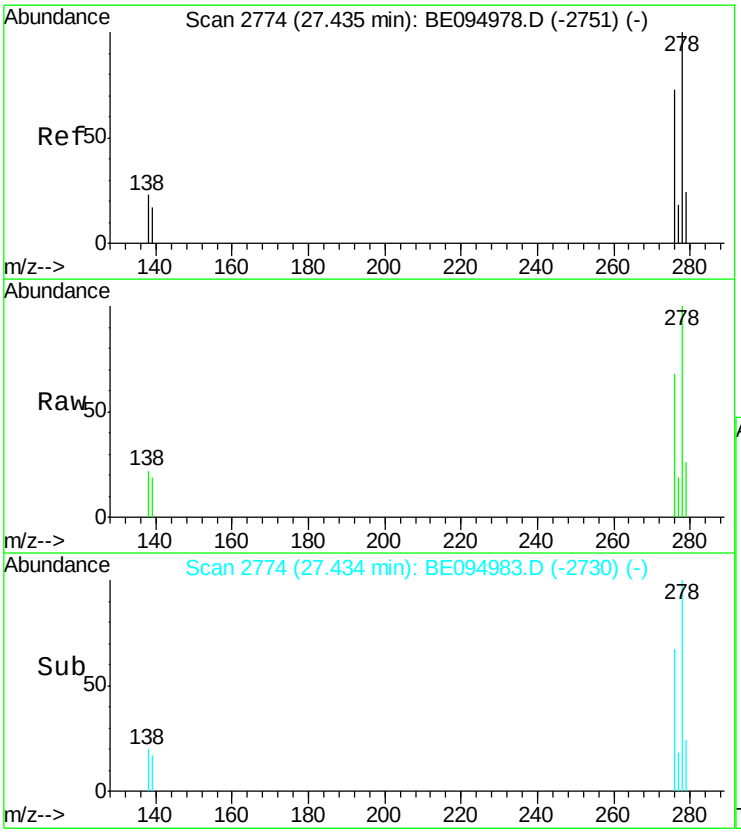
#37
Benzo(a)pyrene
Concen: 0.272 ng
RT: 24.43 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:252 Resp: 12268

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	15.4	12.0	18.0

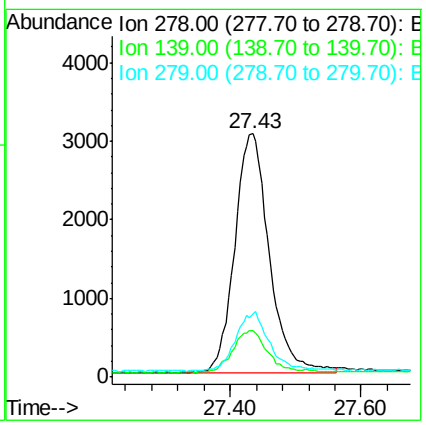


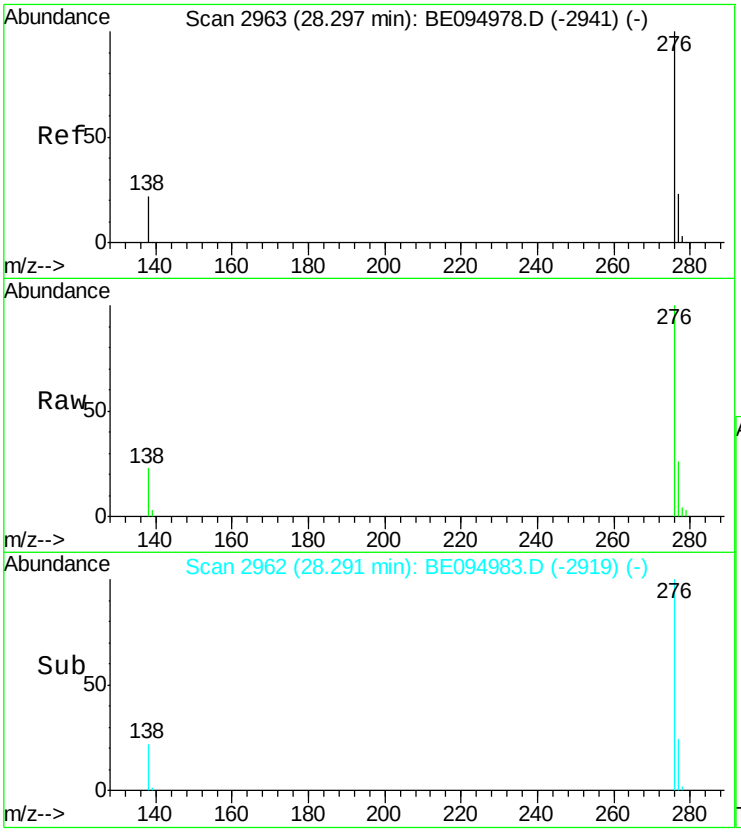


#38
Dibenzo(a,h)anthracene
Concen: 0.267 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:278 Resp: 11158

Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.0	24.0
279	26.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.289 ng
RT: 28.29 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:276 Resp: 12048

Ion	Ratio	Lower	Upper
276	100		
277	25.6	16.0	24.0#
138	23.2	20.0	30.0