Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121517\
Data File : BE094996.D
Acq On : 15 Dec 2017 11:44
Operator : SJ/JU
Sample : PB104984BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB104984BS

Quant Time: Dec 15 16:31:25 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	6984	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	14668	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	7351	0.40	ng		0.00
19) Phenanthrene-d10	17.77	188	16629	0.40	ng		0.00
27) Chrysene-d12	21.87	240	19170	0.40	ng		0.00
34) Perylene-d12	24.55	264	15240	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	2763	0.25	ng		0.00
5) Phenol-d6	7.59	99	3785	0.23	ng		0.00
8) Nitrobenzene-d5	9.65	82	3459	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.86	152	5837	0.24	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	464	0.27	ng		0.00
15) 2-Fluorobiphenyl	13.71	172	8924	0.27	ng		0.01
25) Fluoranthene-d10	19.75	212	52510	0.24	ng		0.00
29) Terphenyl-d14	20.31	244	10561	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	1638	0.238	ng	#	31
3) n-Nitrosodimethylamine	4.02	42	2052	0.252	ng	#	91
6) bis(2-Chloroethyl)ether	7.87	93	3893	0.248	ng		94
9) Naphthalene	11.38	128	43346	0.252	ng		99
10) Hexachlorobutadiene	11.64	225	1932	0.247	ng		98
12) 2-Methylnaphthalene	12.94	142	10549	0.245	ng		97
16) Acenaphthylene	14.79	152	9252	0.235	ng		100
17) Acenaphthene	15.12	154	6039	0.232	ng		94
18) Fluorene	16.10	166	7603	0.235	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	2426	0.249	ng	#	81
21) Hexachlorobenzene	17.09	284	2470	0.248	ng	#	82
22) Pentachlorophenol	17.41	266	1101	0.526	ng	#	80
23) Phenanthrene	17.82	178	12850	0.248	ng		97
24) Anthracene	17.91	178	13396	0.252	ng	#	89
26) Fluoranthene	19.78	202	15649	0.245	ng		98
28) Pyrene	20.13	202	17010	0.262	ng		97
30) Benzo(a)anthracene	21.86	228	15553	0.278	ng	#	62
31) Chrysene	21.92	228	17154	0.272	ng	#	64
32) Bis(2-ethylhexyl)phthalate	21.73	149	17768	0.249	ng		100
33) Indeno(1,2,3-cd)pyrene	27.41	276	15065	0.293	ng		99
35) Benzo(b)fluoranthene	23.72	252	14793	0.264	ng	#	92
36) Benzo(k)fluoranthene	23.77	252	14555	0.257	ng	#	92
37) Benzo(a)pyrene	24.43	252	13546	0.273	ng	#	94
38) Dibenzo(a,h)anthracene	27.43	278	12349	0.268	ng		97
39) Benzo(g,h,i)perylene	28.29	276	13063	0.285	ng		95

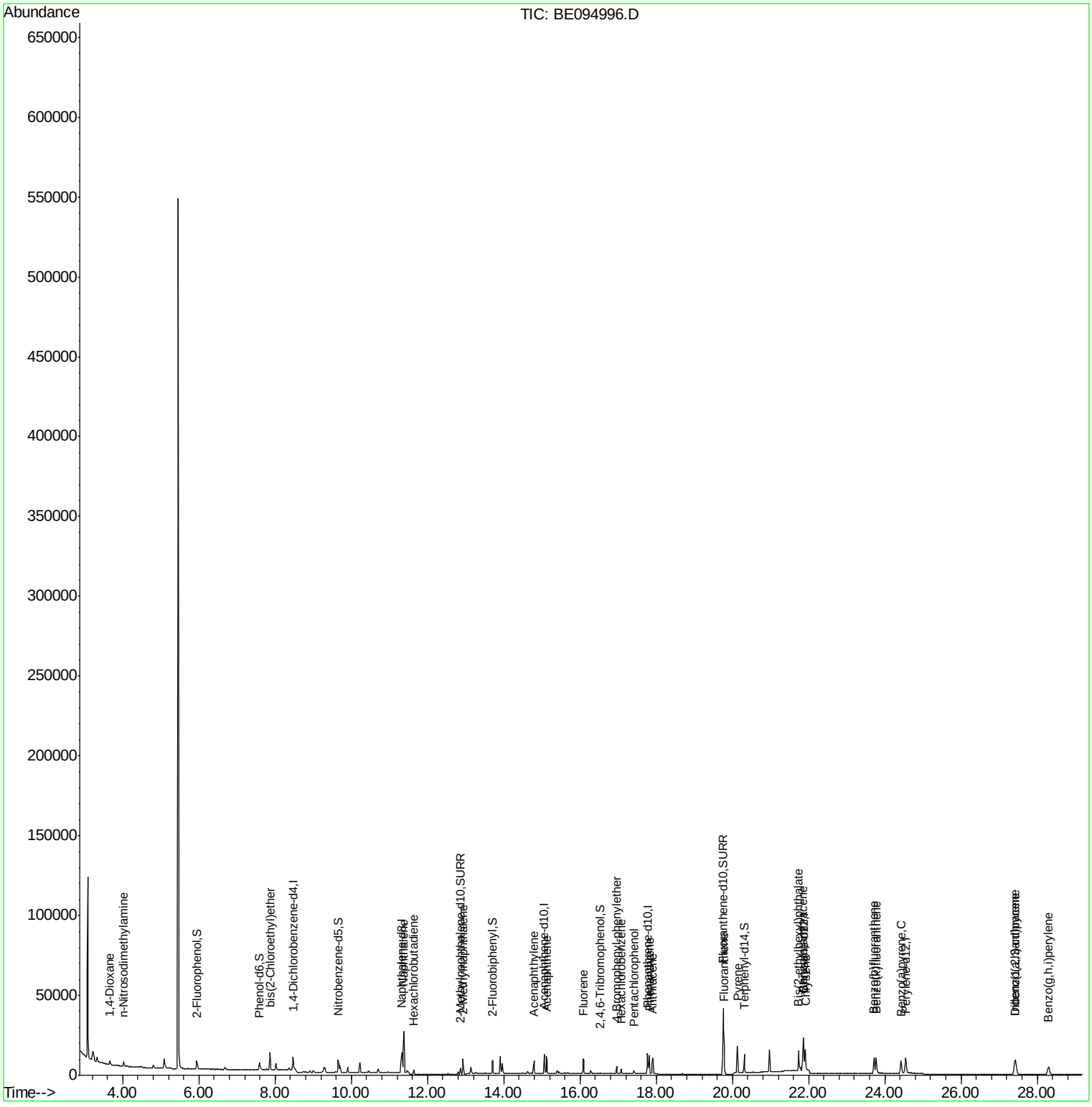
(#) = qualifier out of range (m) = manual integration (+) = signals summed

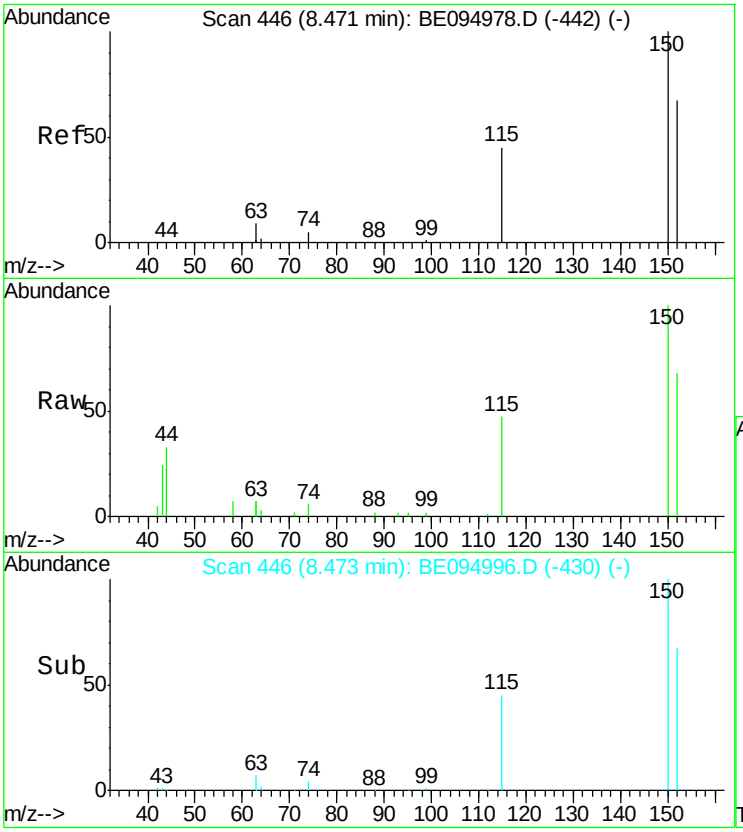
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121517\
Data File : BE094996.D
Acq On : 15 Dec 2017 11:44
Operator : SJ/JU
Sample : PB104984BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Quant Time: Dec 15 16:31:25 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



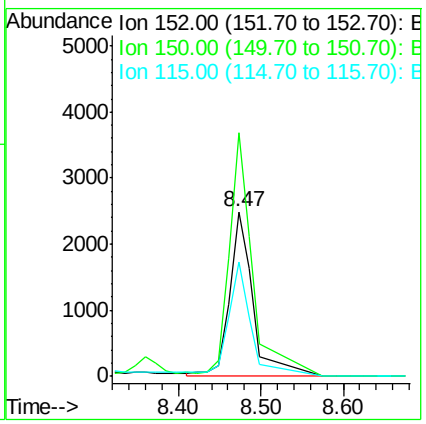


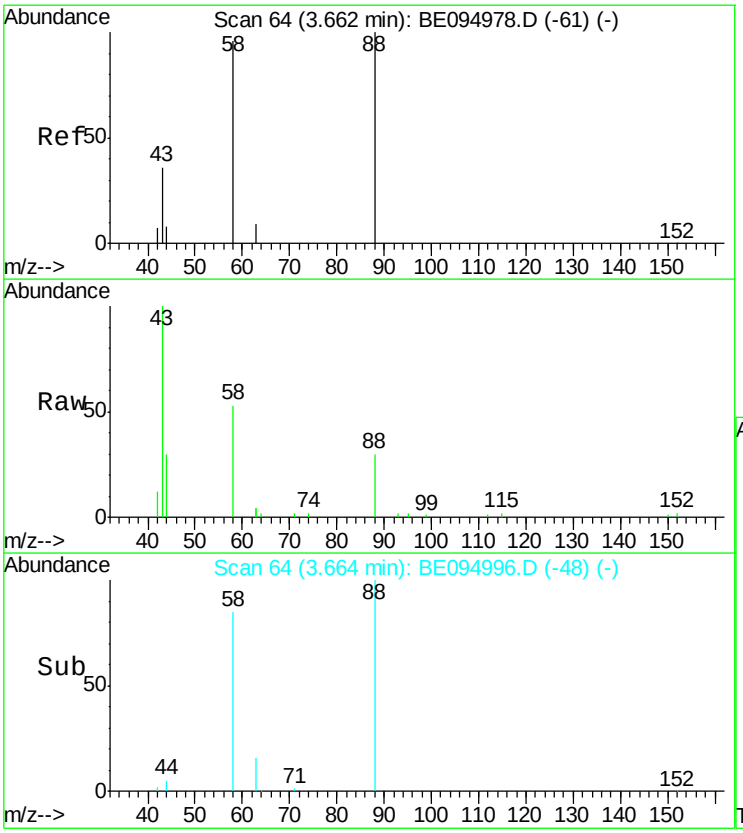
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:152 Resp: 6984

Ion	Ratio	Lower	Upper
152	100		
150	148.1	117.2	175.8
115	69.1	57.0	85.6

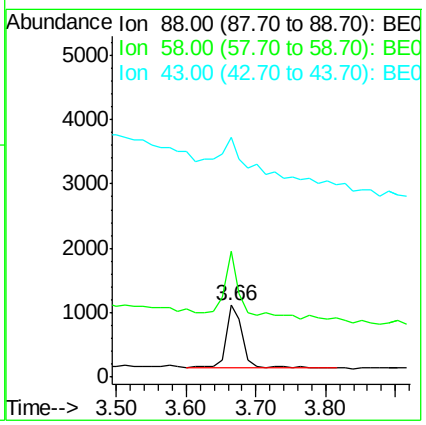


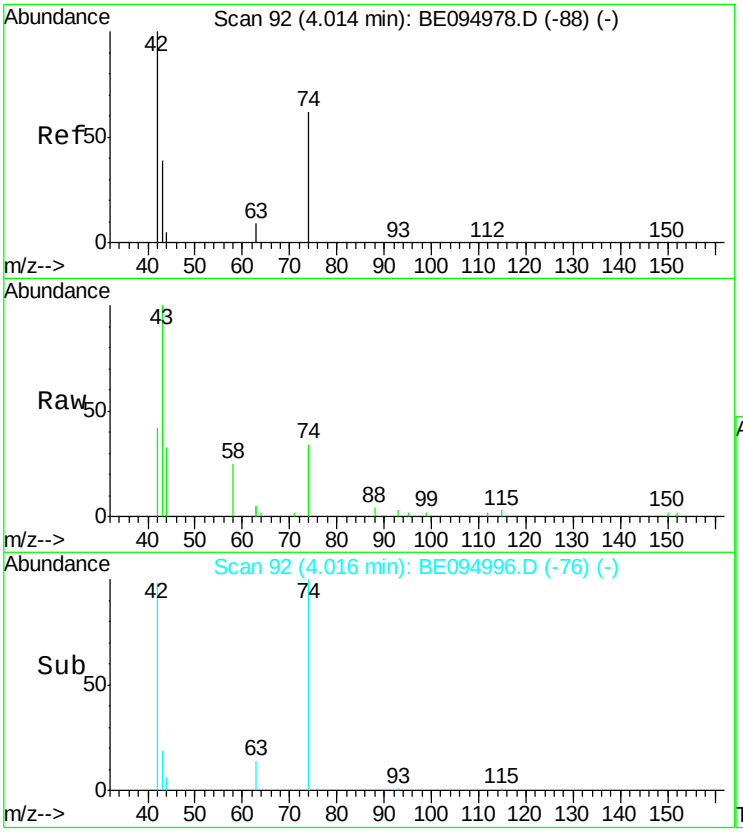


#2
1,4-Dioxane
Concen: 0.238 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion: 88 Resp: 1638

Ion	Ratio	Lower	Upper
88	100		
58	107.0	63.2	94.8#
43	139.6	41.2	61.8#



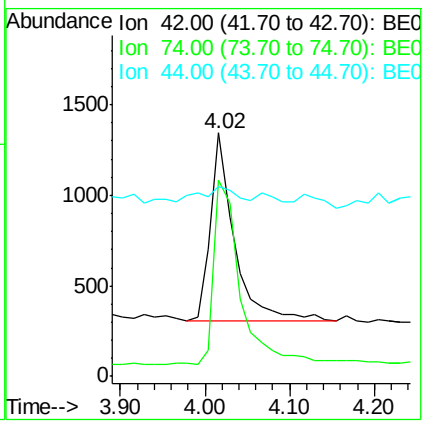


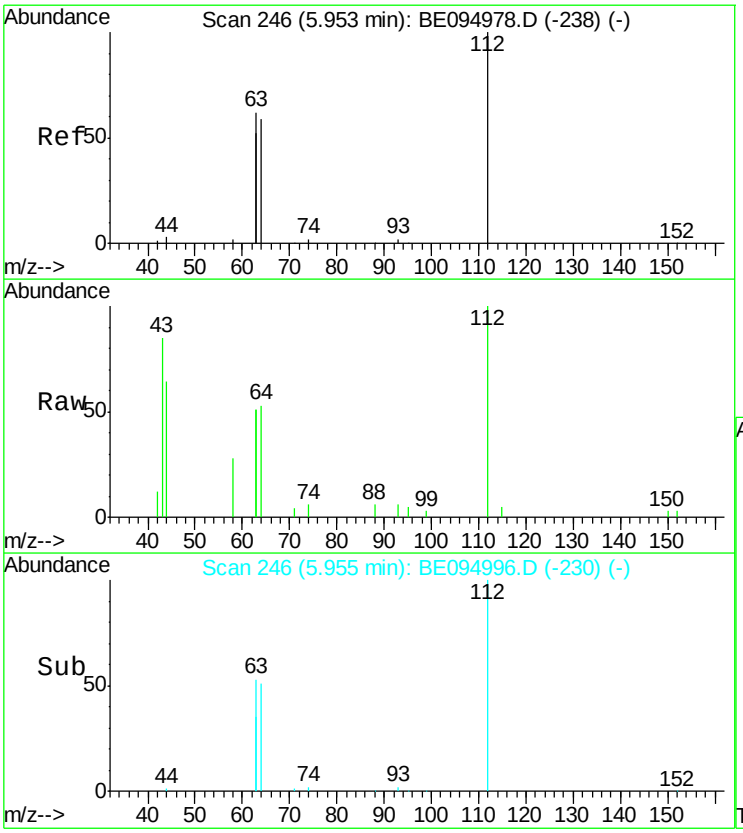
#3
n-Nitrosodimethylamine
Concen: 0.252 ng
RT: 4.02 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion: 42 Resp: 2052

Ion	Ratio	Lower	Upper
42	100		
74	110.1	96.0	144.0
44	11.2	12.0	18.0#

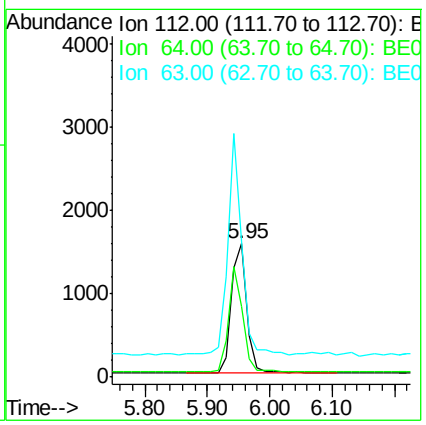


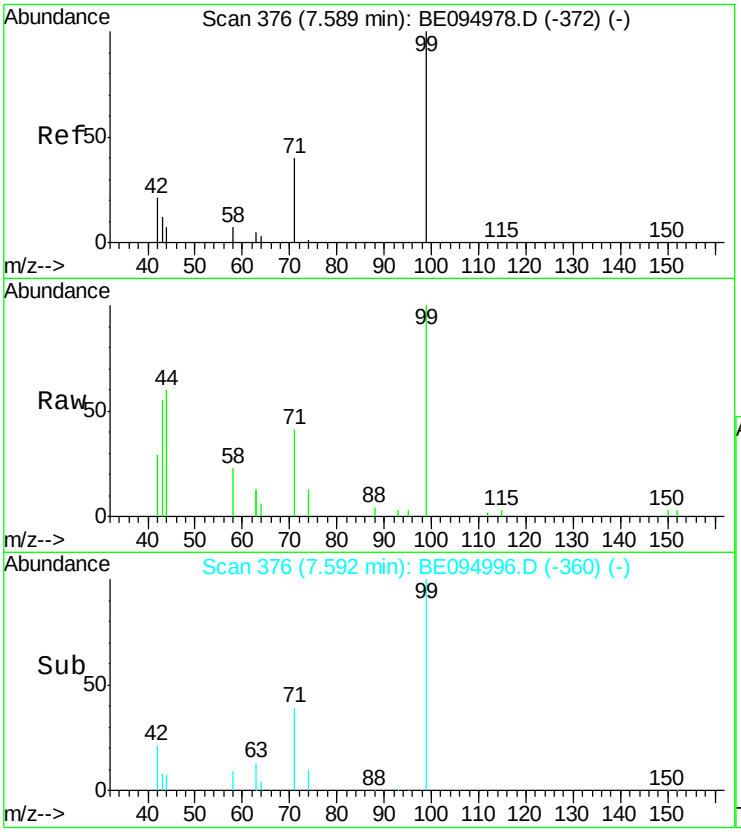


#4
2-Fluorophenol
Concen: 0.255 ng
RT: 5.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:112 Resp: 2763

Ion	Ratio	Lower	Upper
112	100		
64	74.7	60.1	90.1
63	154.5	116.8	175.2



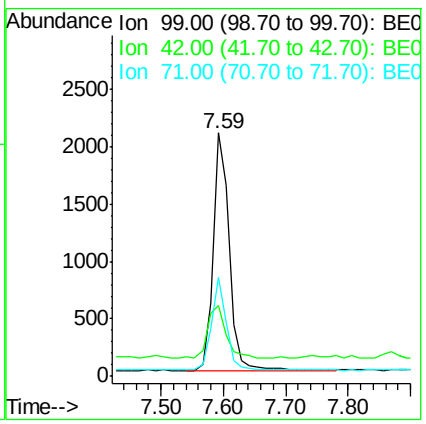


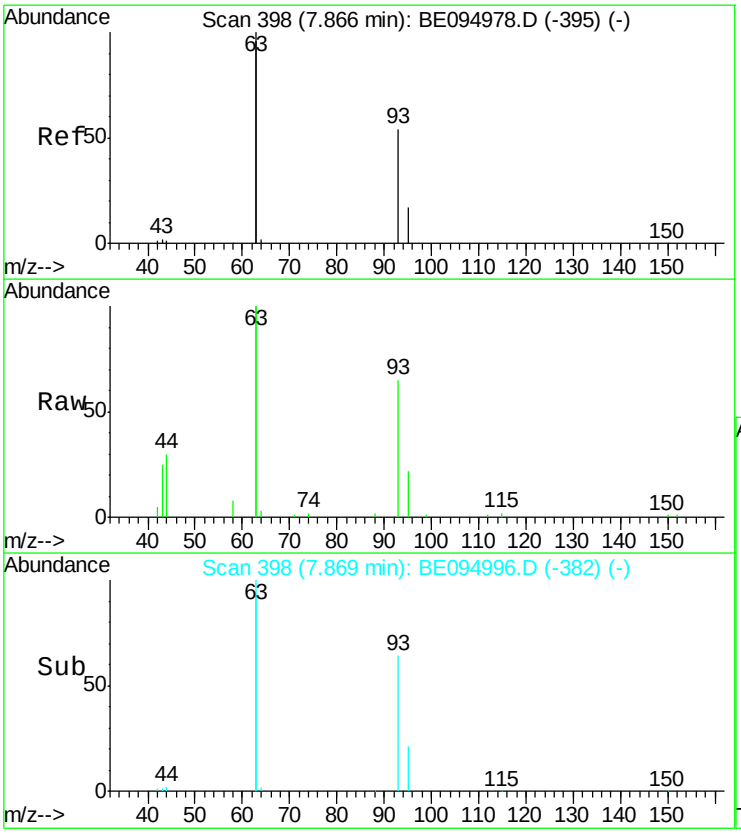
#5
Phenol-d6
Concen: 0.235 ng
RT: 7.59 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion: 99 Resp: 3785

Ion	Ratio	Lower	Upper
99	100		
42	24.8	20.2	30.2
71	36.1	28.4	42.6

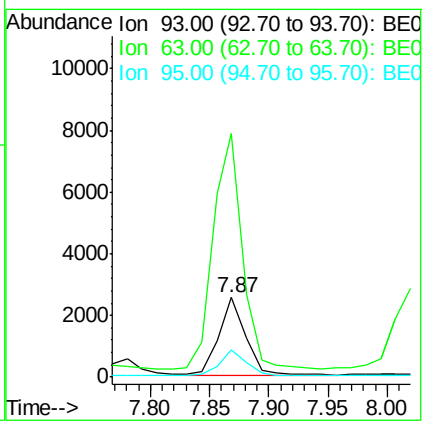


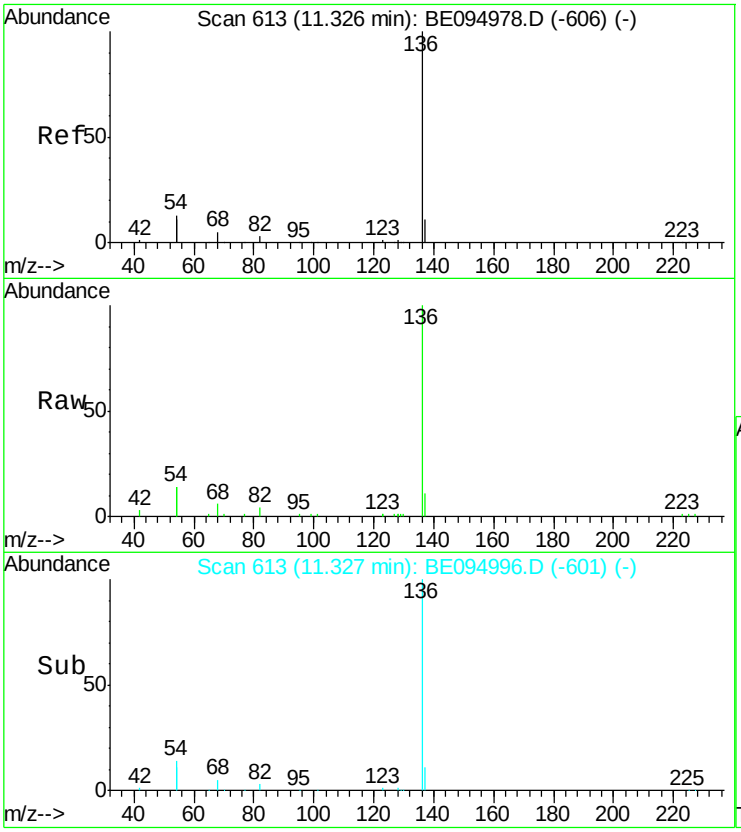


#6
bis(2-Chloroethyl)ether
Concen: 0.248 ng
RT: 7.87 min Scan# 398
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion: 93 Resp: 3893

Ion	Ratio	Lower	Upper
93	100		
63	330.9	275.3	412.9
95	31.4	25.2	37.8



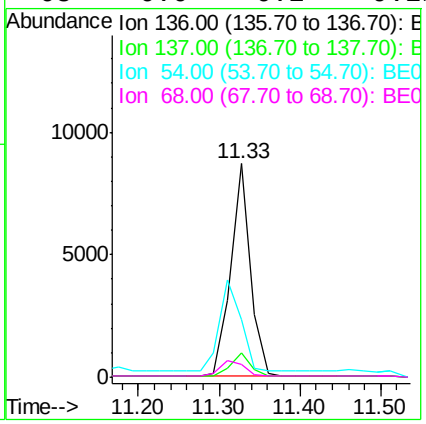


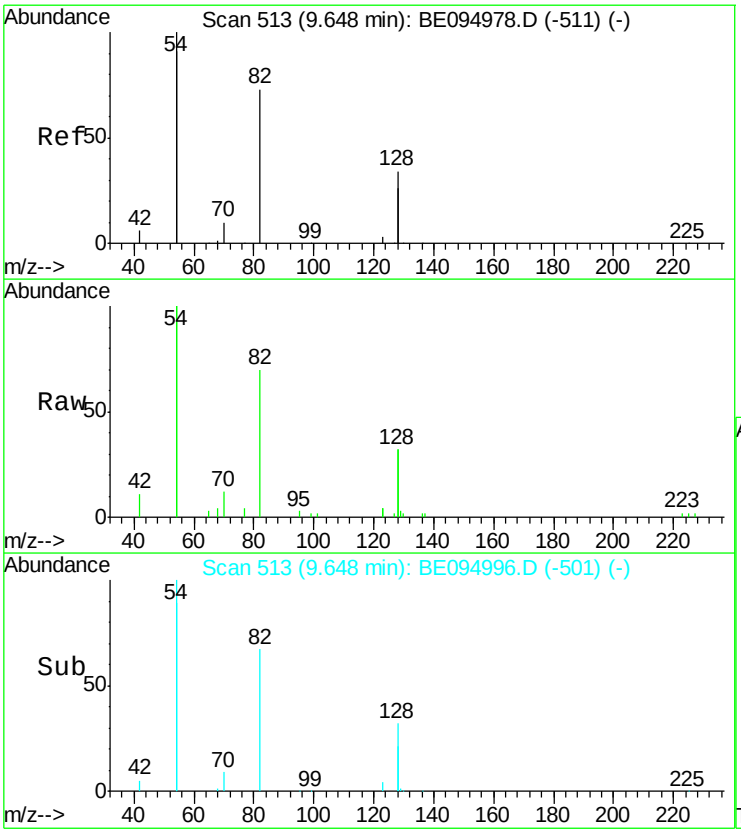
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:136 Resp: 14668

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	27.1	29.1	43.7#
68	6.0	6.2	9.2#

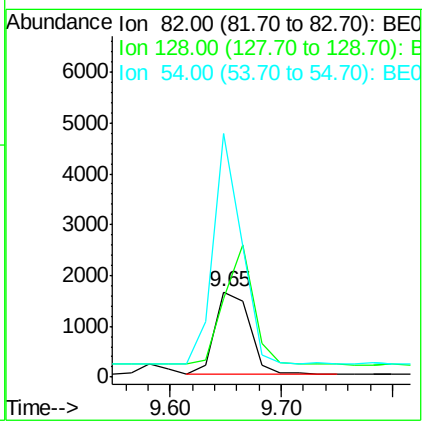


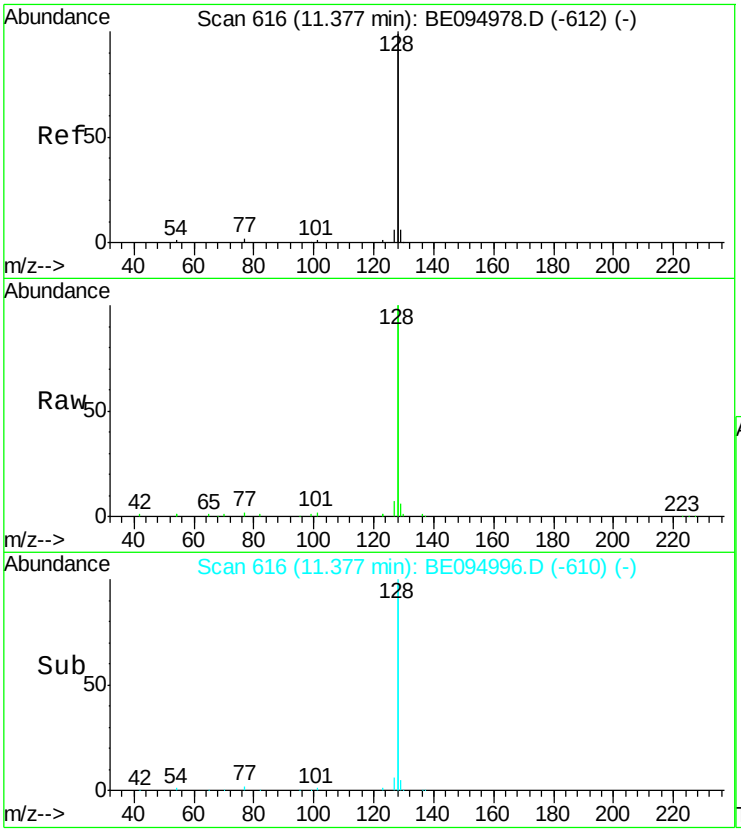


#8
Nitrobenzene-d5
Concen: 0.287 ng
RT: 9.65 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion: 82 Resp: 3459

Ion	Ratio	Lower	Upper
82	100		
128	92.7	150.0	225.0#
54	286.3	154.2	231.4#



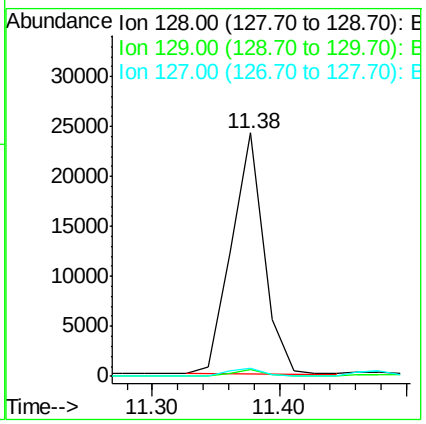


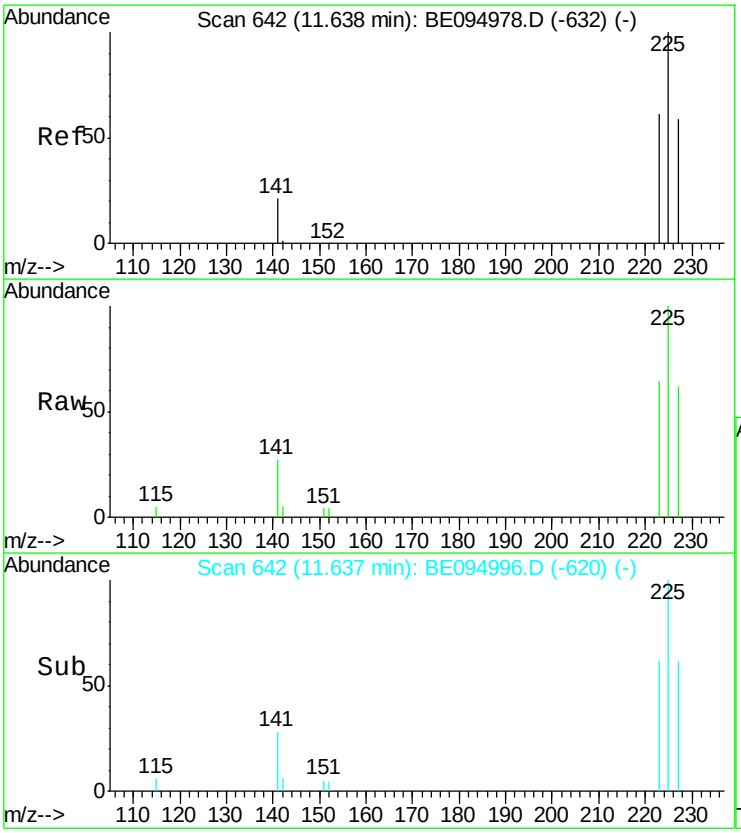
#9
Naphthalene
Concen: 0.252 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:128 Resp: 43346

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.4	2.8	4.2

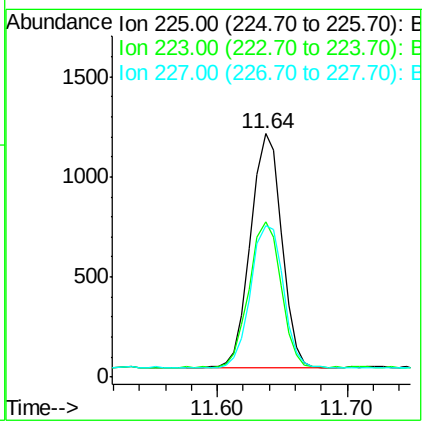


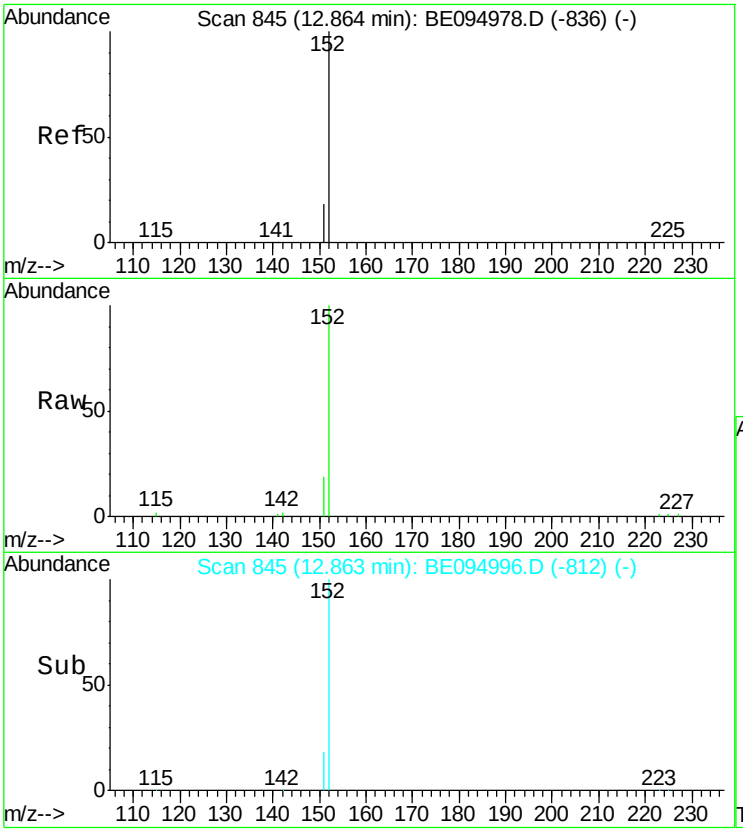


#10
Hexachlorobutadiene
Concen: 0.247 ng
RT: 11.64 min Scan# 642
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:225 Resp: 1932

Ion	Ratio	Lower	Upper
225	100		
223	63.0	53.0	79.6
227	63.9	51.4	77.2



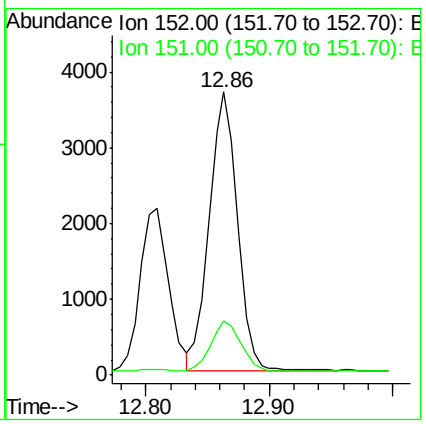


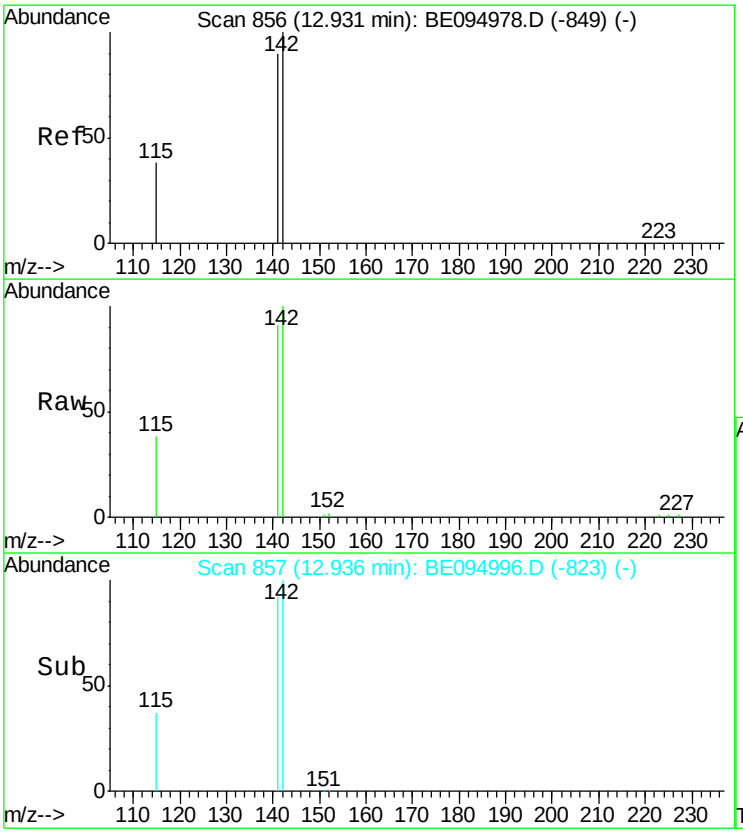
#11
2-Methylnaphthalene-d10
Concen: 0.243 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:152 Resp: 5837

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

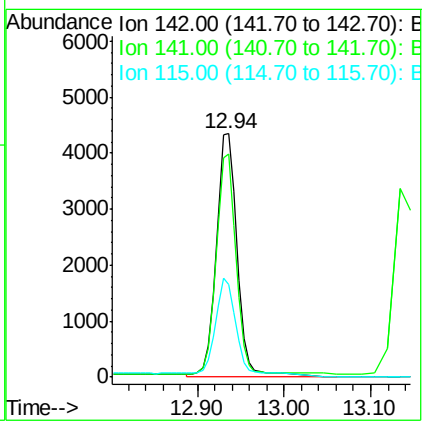


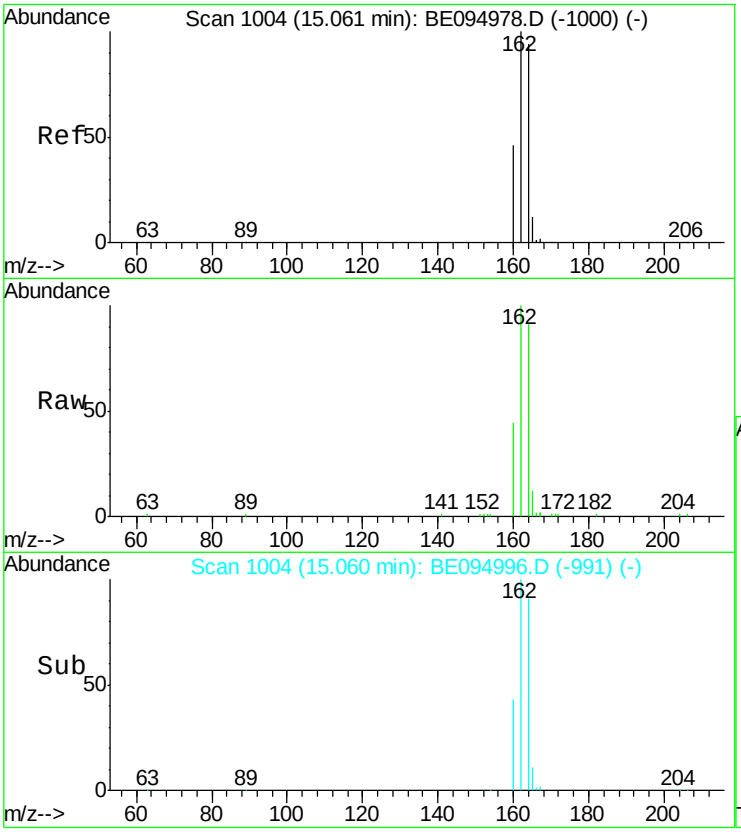


#12
2-Methylnaphthalene
Concen: 0.245 ng
RT: 12.94 min Scan# 857
Delta R.T. 0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:142 Resp: 10549

Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.4	105.6
115	38.0	31.7	47.5



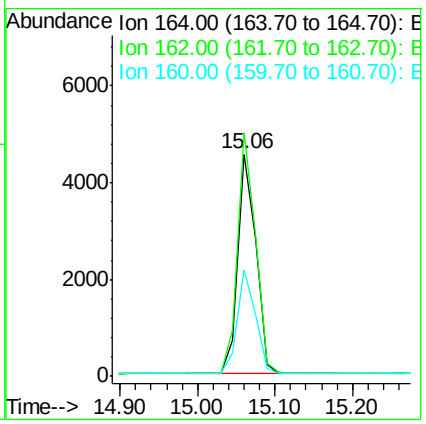


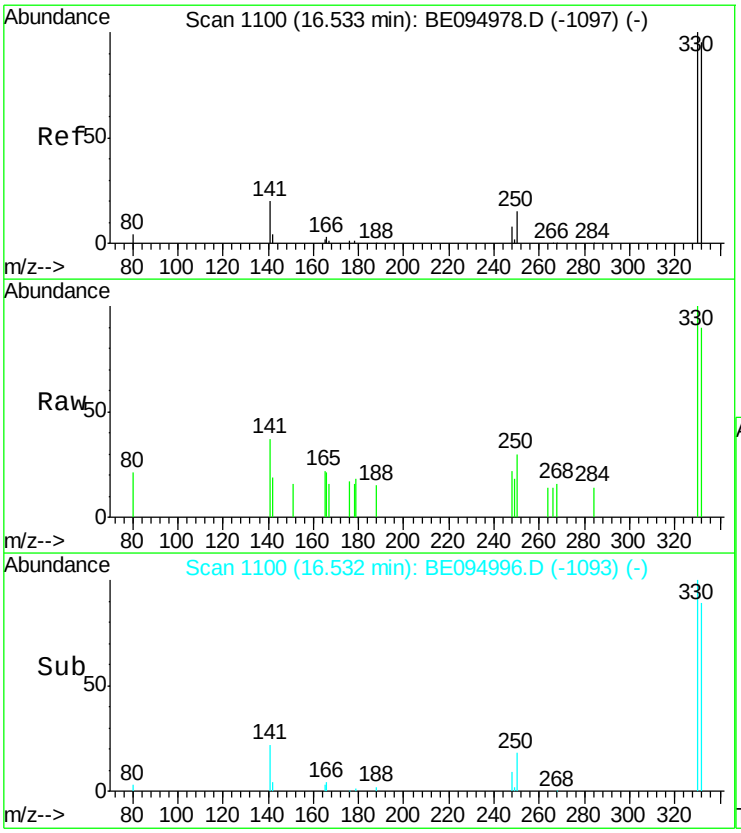
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:164 Resp: 7351

Ion	Ratio	Lower	Upper
164	100		
162	109.7	83.1	124.7
160	47.8	37.1	55.7

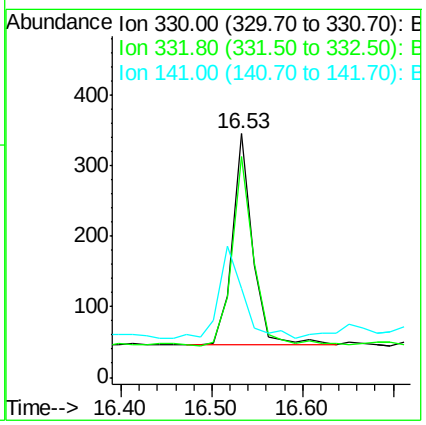


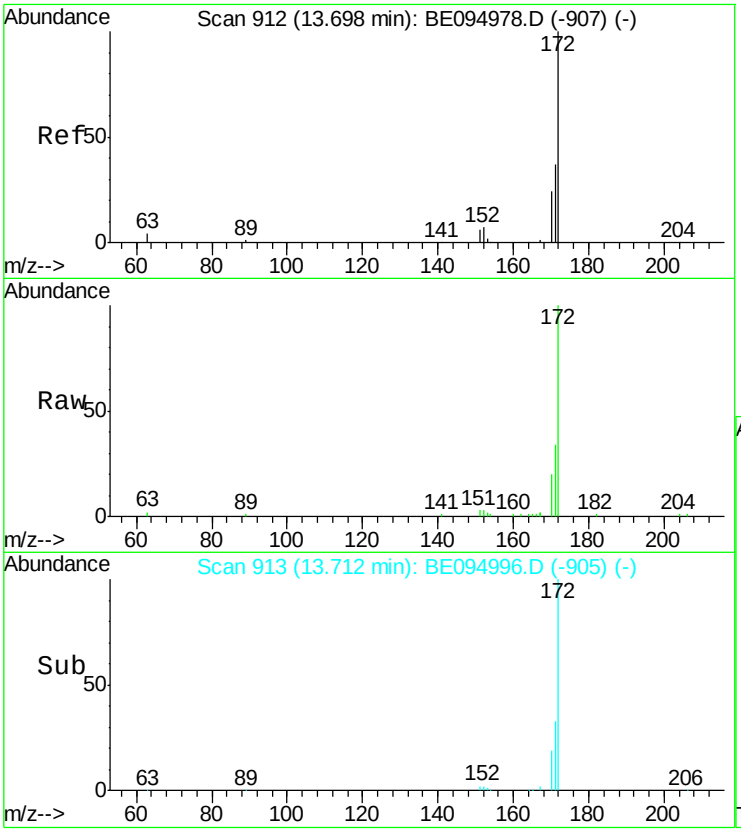


#14
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:330 Resp: 464

Ion	Ratio	Lower	Upper
330	100		
332	96.3	152.7	229.1#
141	50.4	33.7	50.5



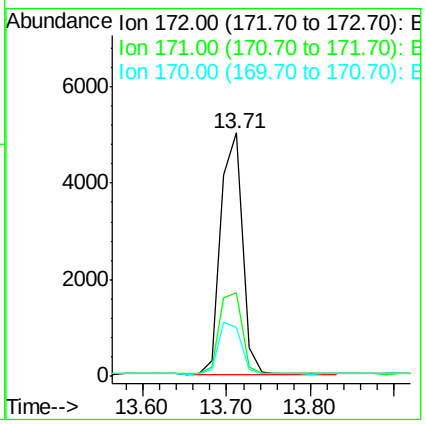


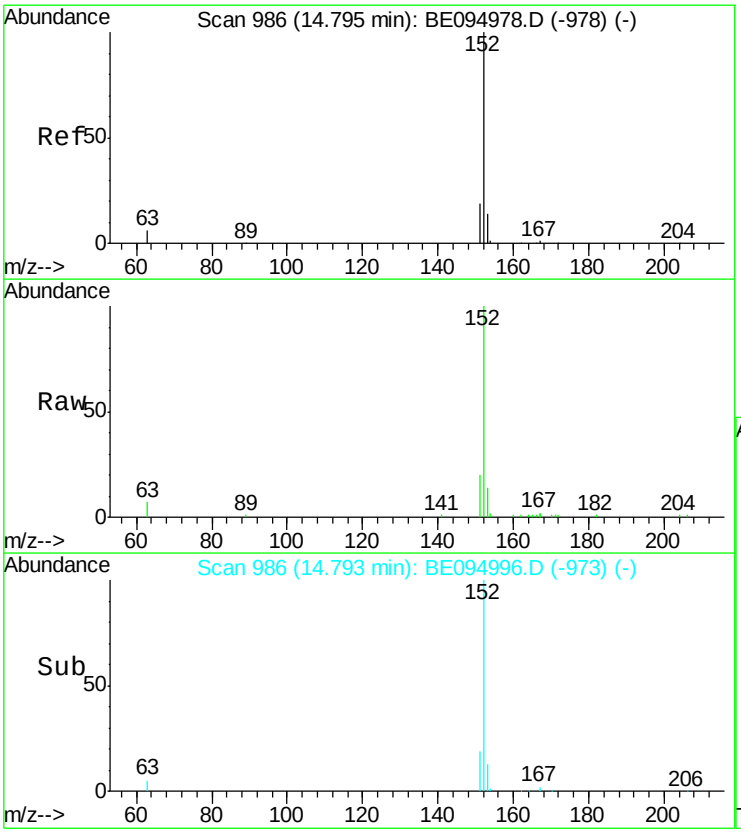
#15
2-Fluorobiphenyl
Concen: 0.274 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:172 Resp: 8924

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.9	44.9
170	20.1	21.8	32.8#

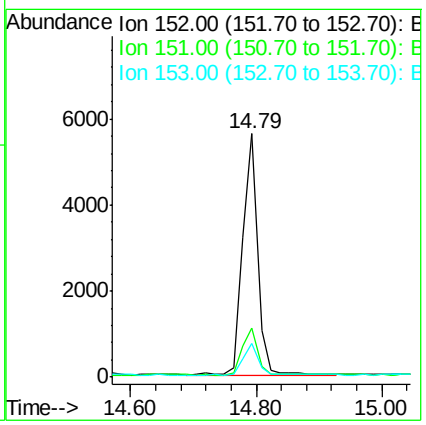


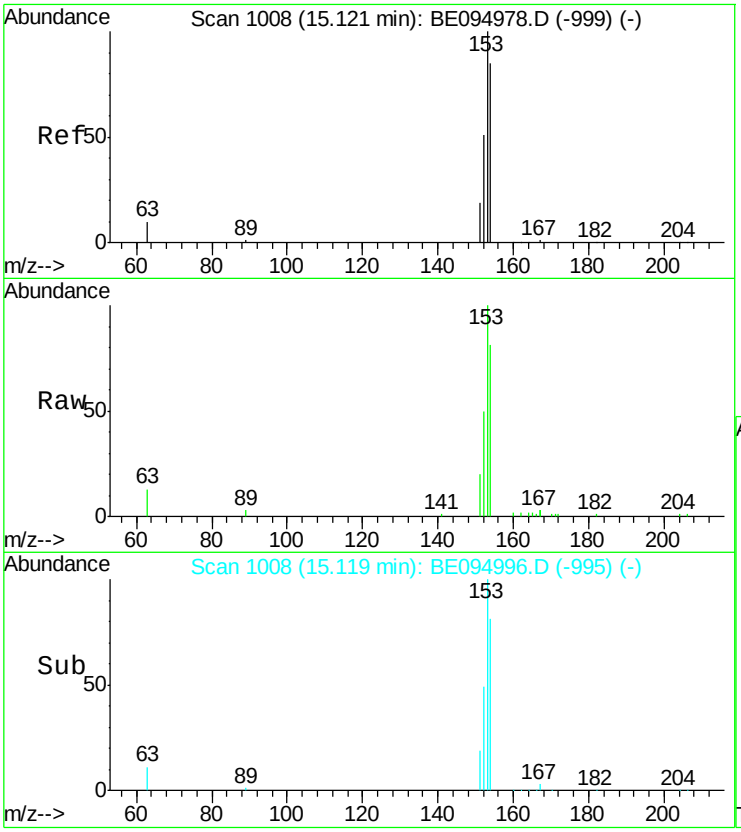


#16
Acenaphthylene
Concen: 0.235 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:152 Resp: 9252

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.5	15.7



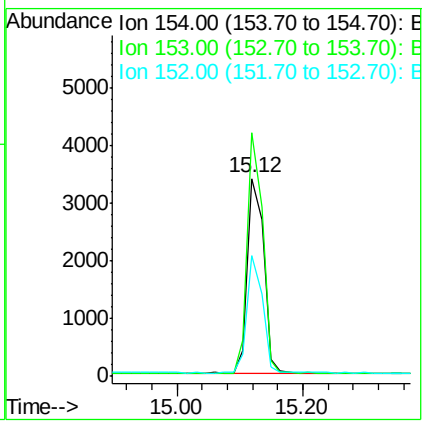


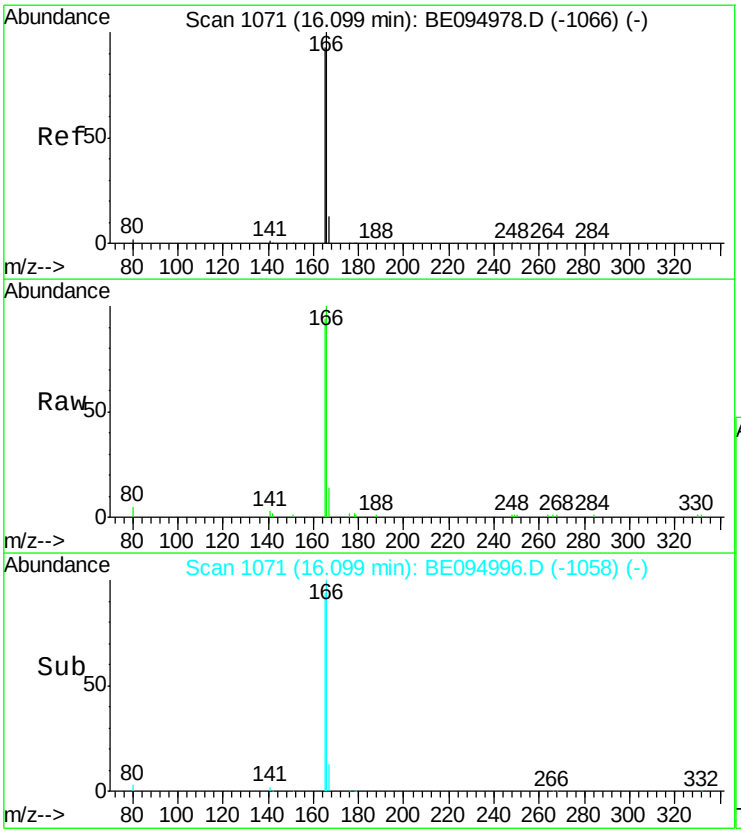
#17
Acenaphthene
Concen: 0.232 ng
RT: 15.12 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:154 Resp: 6039

Ion	Ratio	Lower	Upper
154	100		
153	116.1	89.2	133.8
152	58.3	42.0	63.0

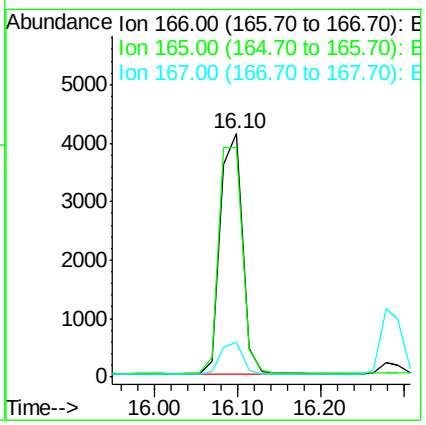


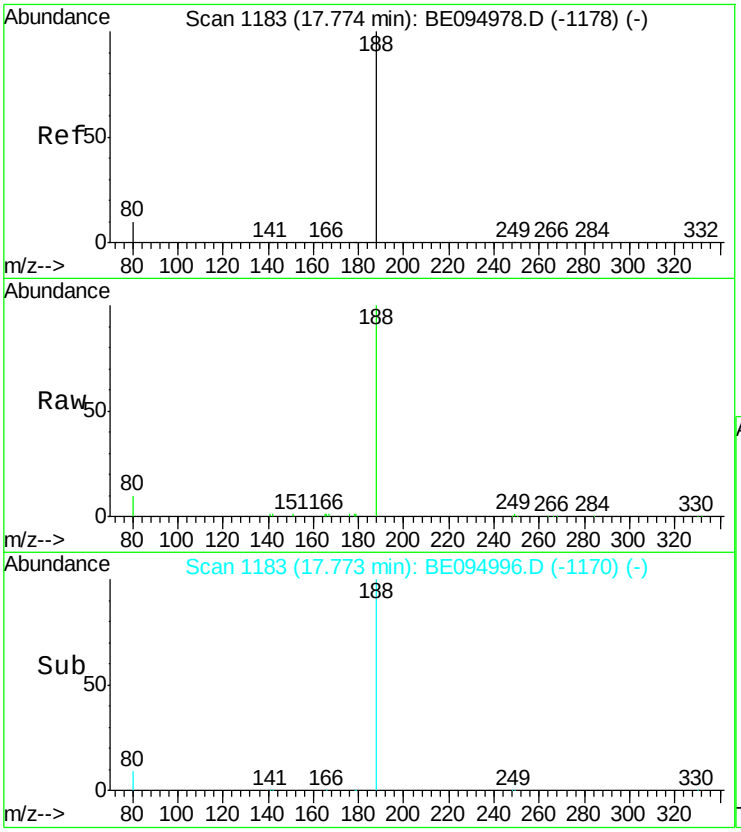


#18
Fluorene
Concen: 0.235 ng
RT: 16.10 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:166 Resp: 7603

Ion	Ratio	Lower	Upper
166	100		
165	101.2	77.8	116.6
167	13.3	42.4	63.6#



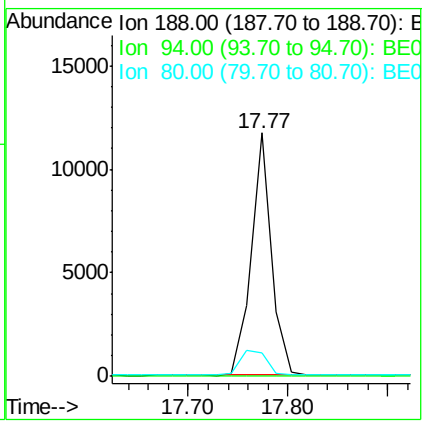


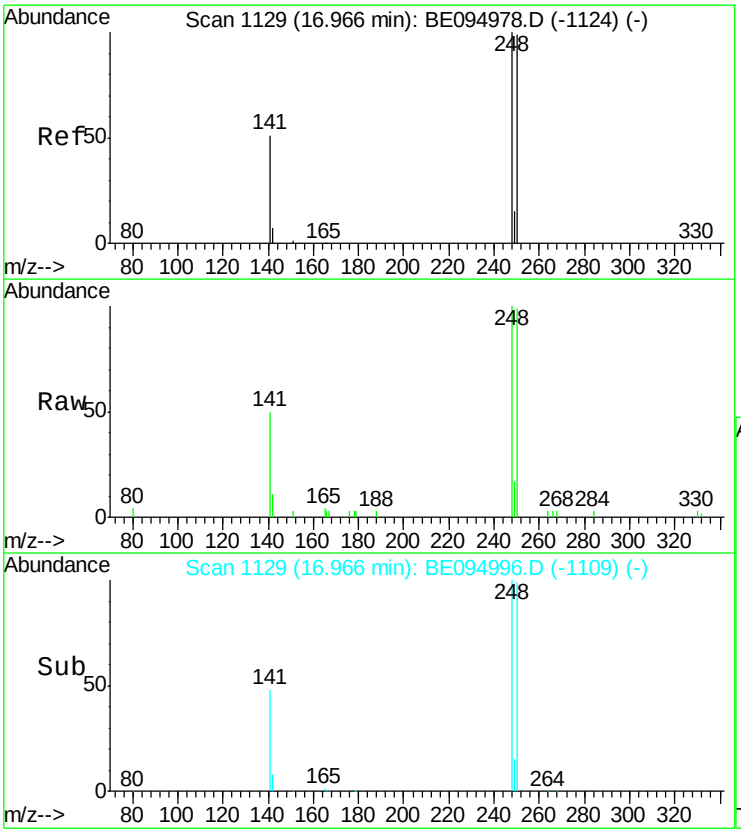
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:188 Resp: 16629

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

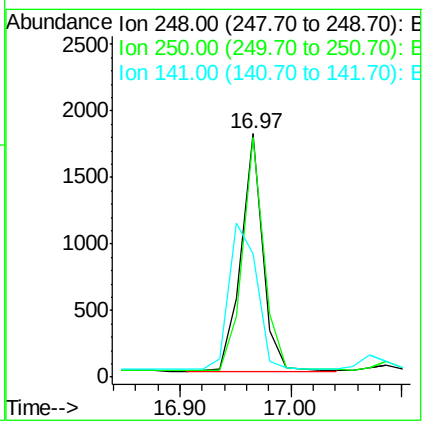


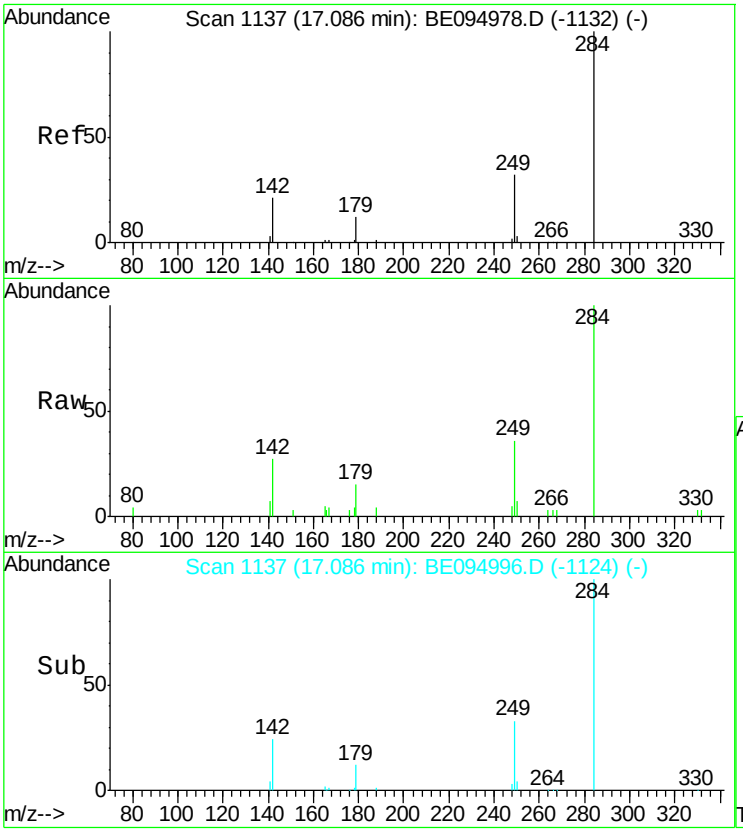


#20
4-Bromophenyl-phenylether
Concen: 0.249 ng
RT: 16.97 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:248 Resp: 2426

Ion	Ratio	Lower	Upper
248	100		
250	98.7	62.7	94.1#
141	50.5	48.2	72.2



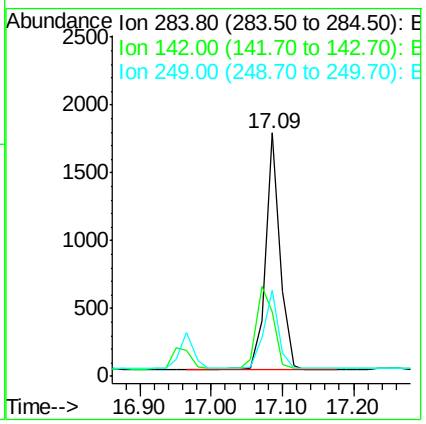


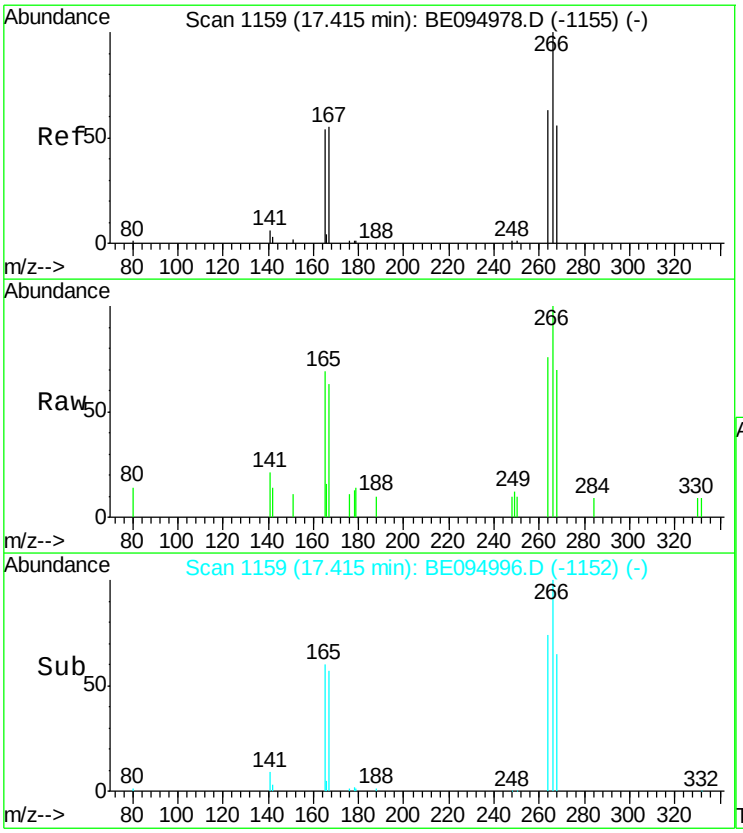
#21
Hexachlorobenzene
Concen: 0.248 ng
RT: 17.09 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:284 Resp: 2470

Ion	Ratio	Lower	Upper
284	100		
142	41.3	22.1	33.1#
249	34.8	34.8	52.2

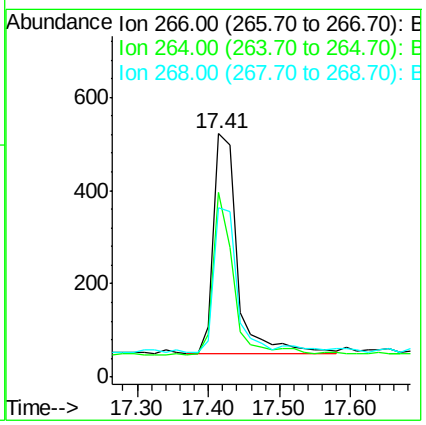


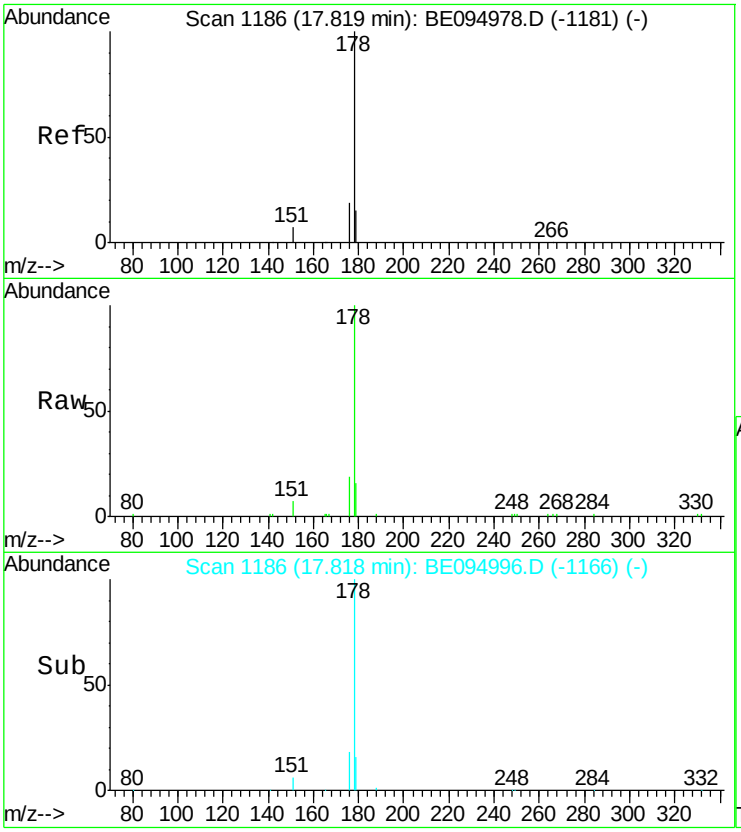


#22
Pentachlorophenol
Concen: 0.526 ng
RT: 17.41 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:266 Resp: 1101

Ion	Ratio	Lower	Upper
266	100		
264	75.9	72.5	108.7
268	69.5	73.8	110.6#



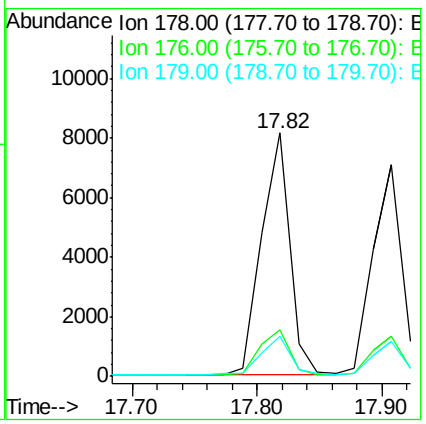


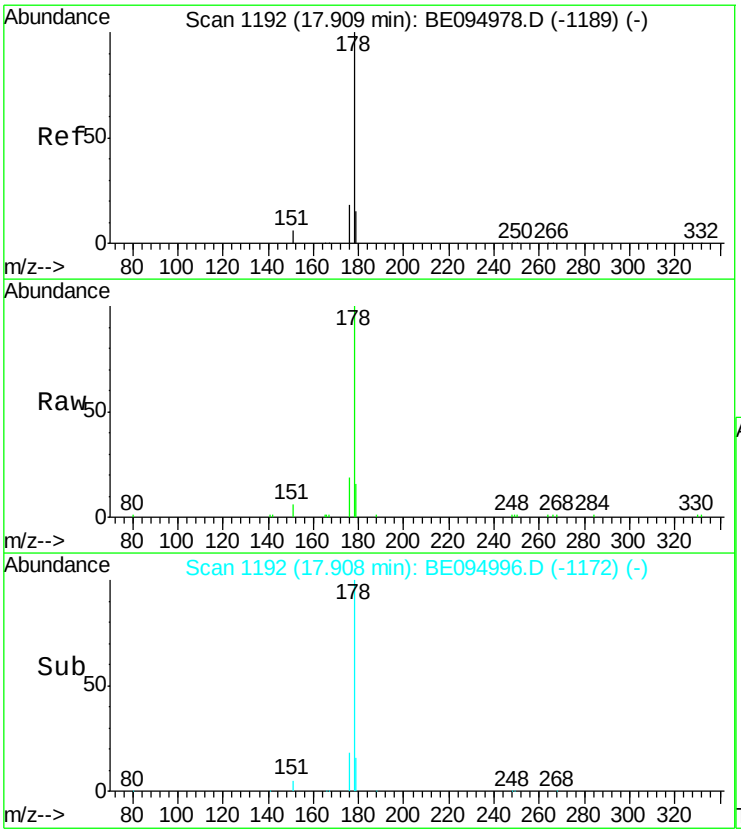
#23
Phenanthrene
Concen: 0.248 ng
RT: 17.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:178 Resp: 12850

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	15.8	11.8	17.6

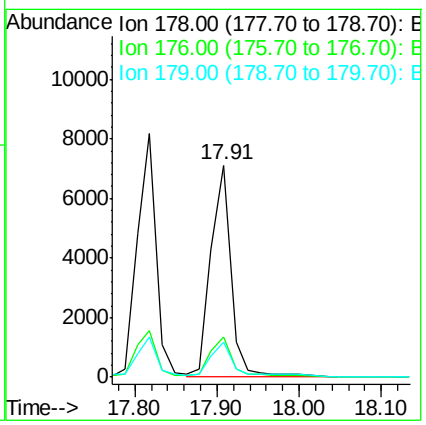


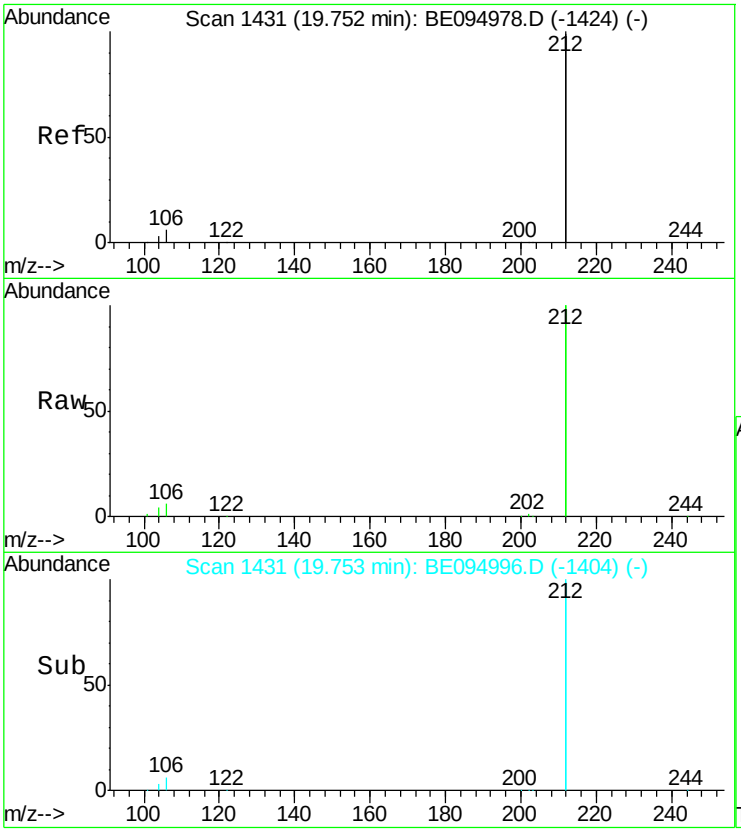


#24
Anthracene
Concen: 0.252 ng
RT: 17.91 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:178 Resp: 13396

Ion	Ratio	Lower	Upper
178	100		
176	22.1	12.8	19.2#
179	19.7	13.0	19.6#



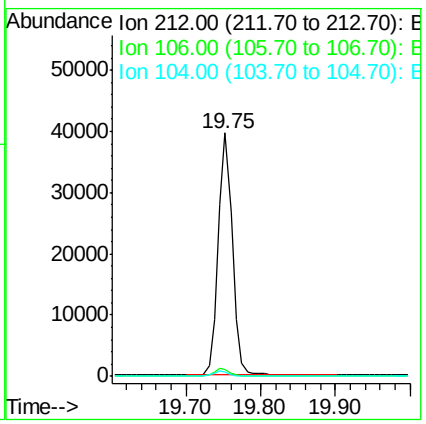


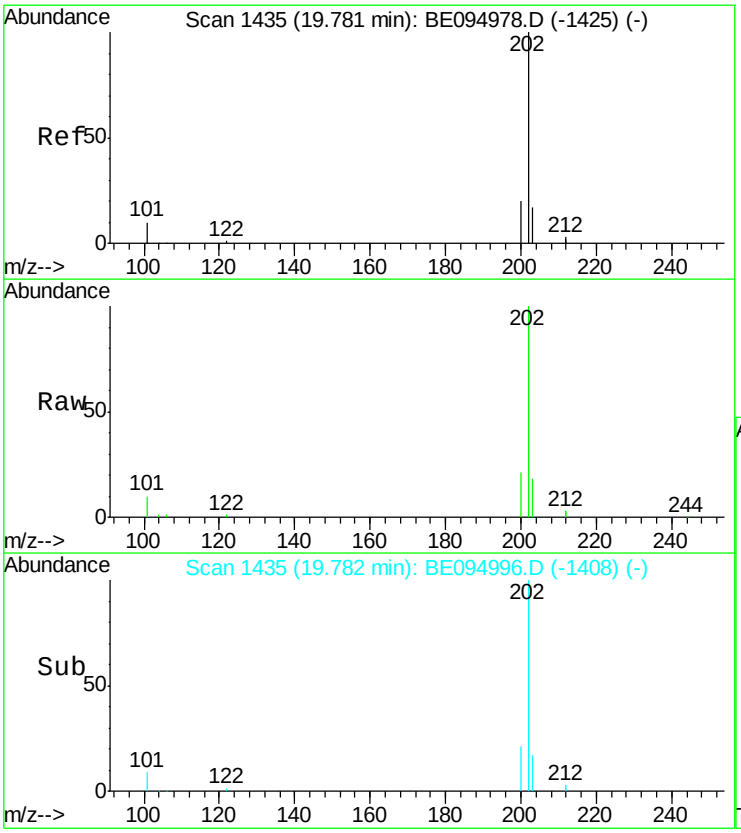
#25
Fluoranthene-d10
Concen: 0.243 ng
RT: 19.75 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:212 Resp: 52510

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	2.0	1.6	2.4

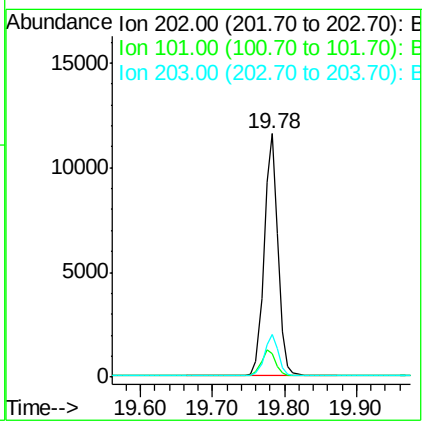


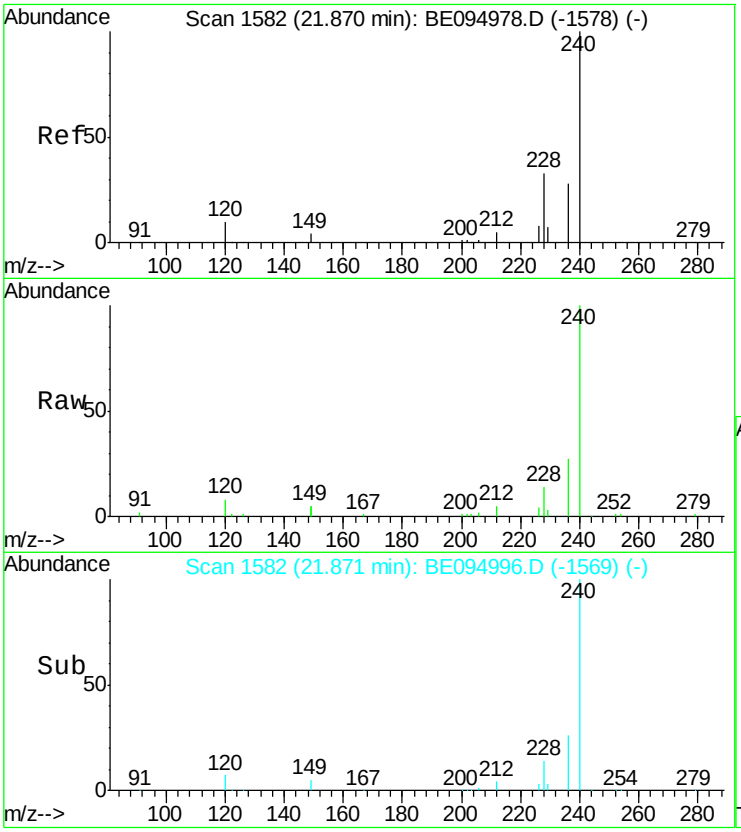


#26
Fluoranthene
Concen: 0.245 ng
RT: 19.78 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:202 Resp: 15649

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
203	17.8	13.7	20.5



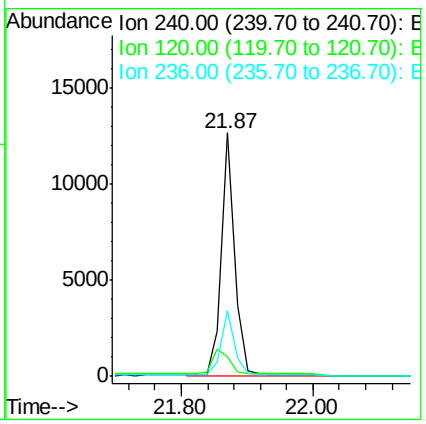


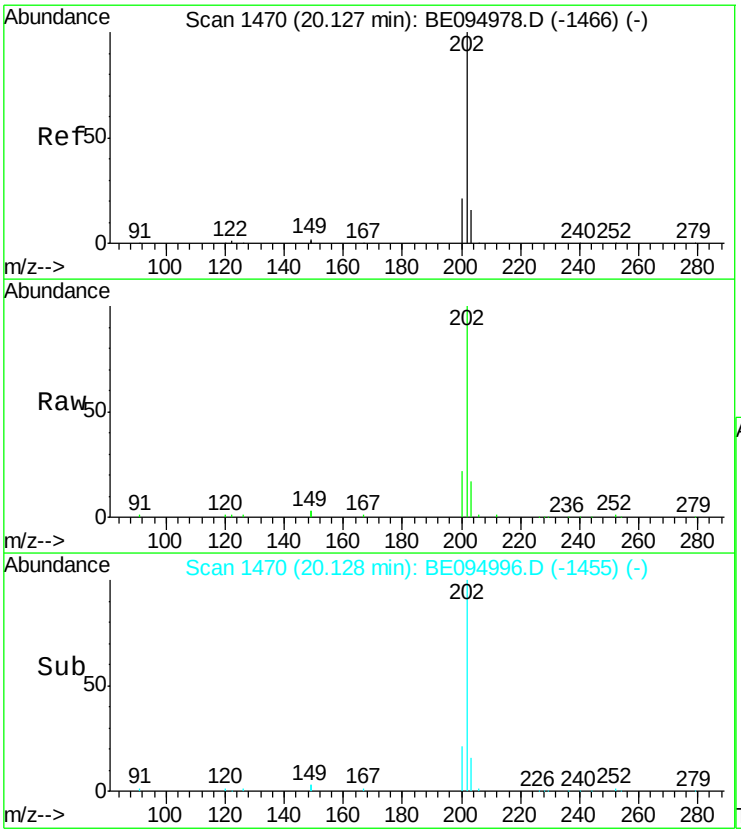
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:240 Resp: 19170

Ion	Ratio	Lower	Upper
240	100		
120	8.2	5.5	8.3
236	26.8	20.7	31.1

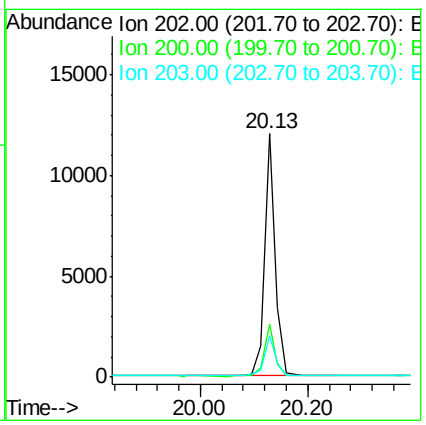


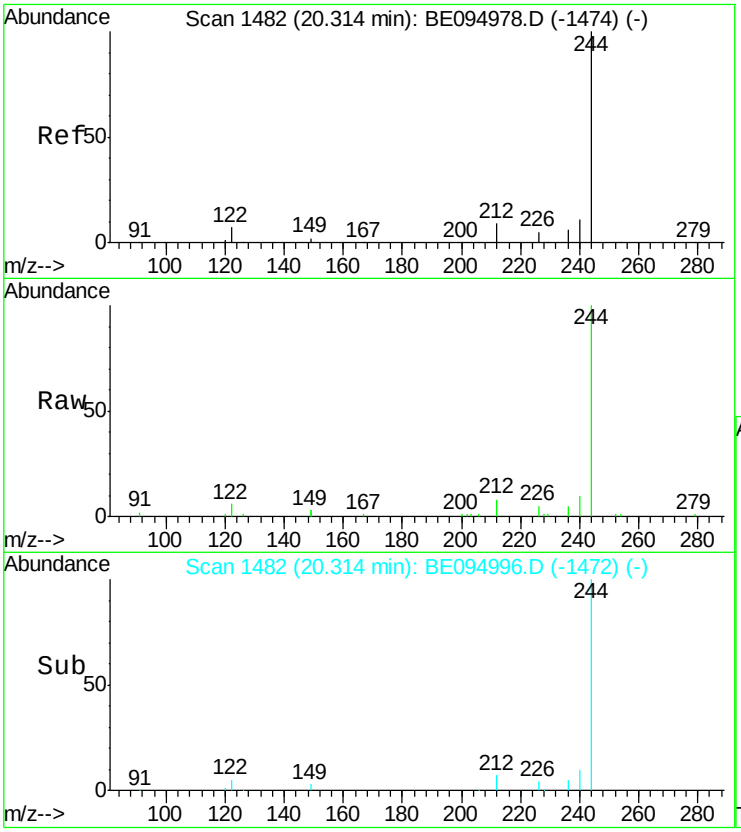


#28
Pyrene
Concen: 0.262 ng
RT: 20.13 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:202 Resp: 17010

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	19.6	13.8	20.8



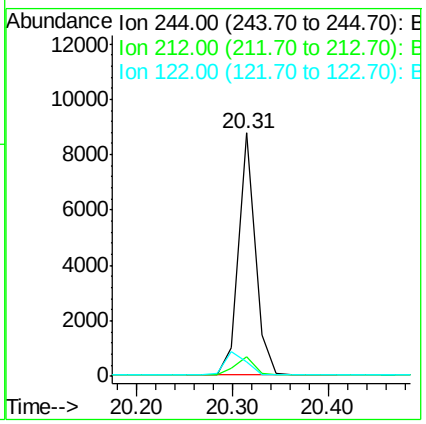


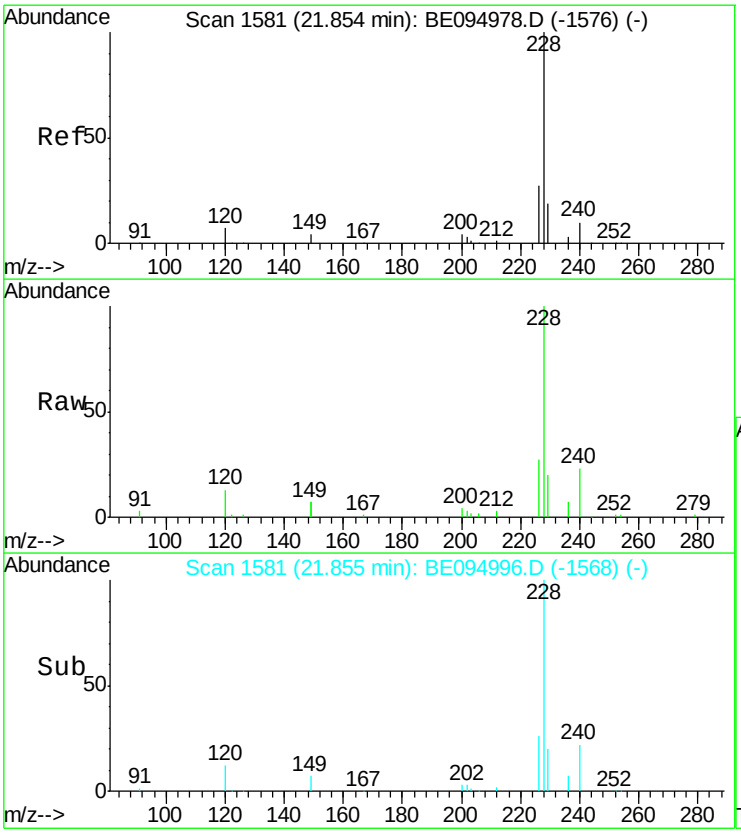
#29
Terphenyl-d14
Concen: 0.293 ng
RT: 20.31 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:244 Resp: 10561

Ion	Ratio	Lower	Upper
244	100		
212	7.9	25.4	38.0#
122	5.9	8.1	12.1#

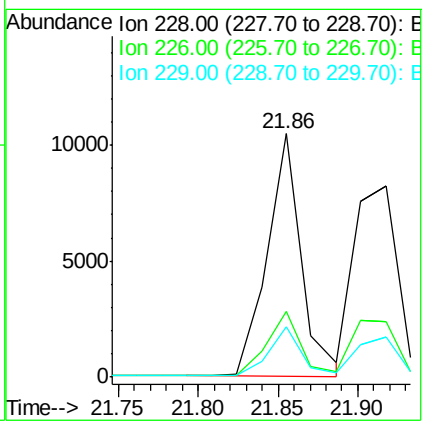


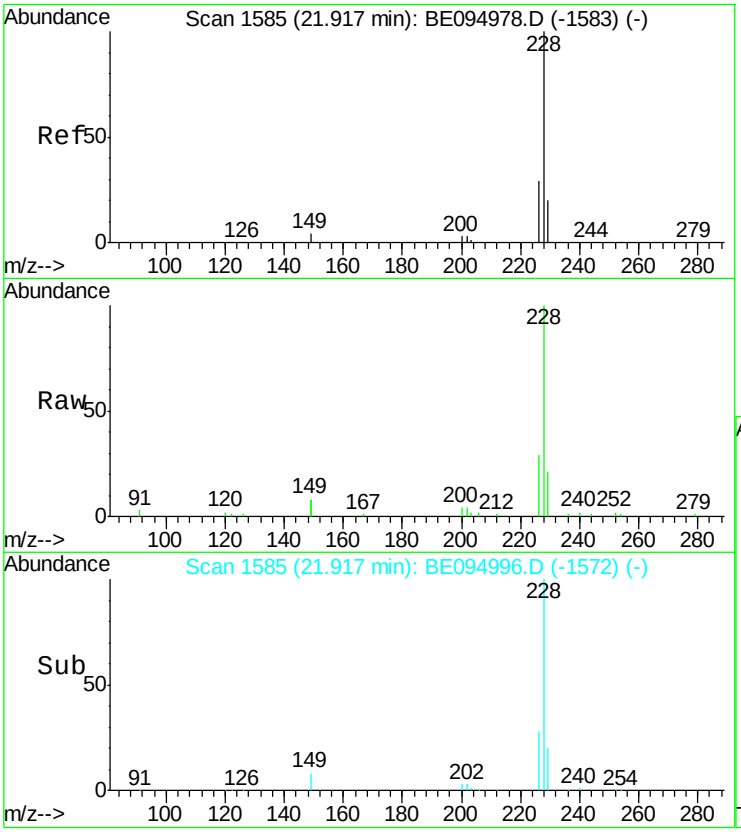


#30
Benzo(a)anthracene
Concen: 0.278 ng
RT: 21.86 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:228 Resp: 15553

Ion	Ratio	Lower	Upper
228	100		
226	26.8	40.0	60.0#
229	20.4	40.0	60.0#



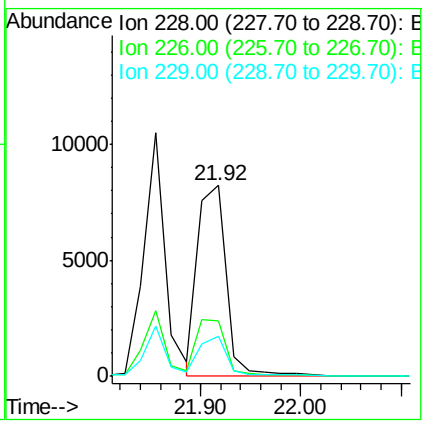


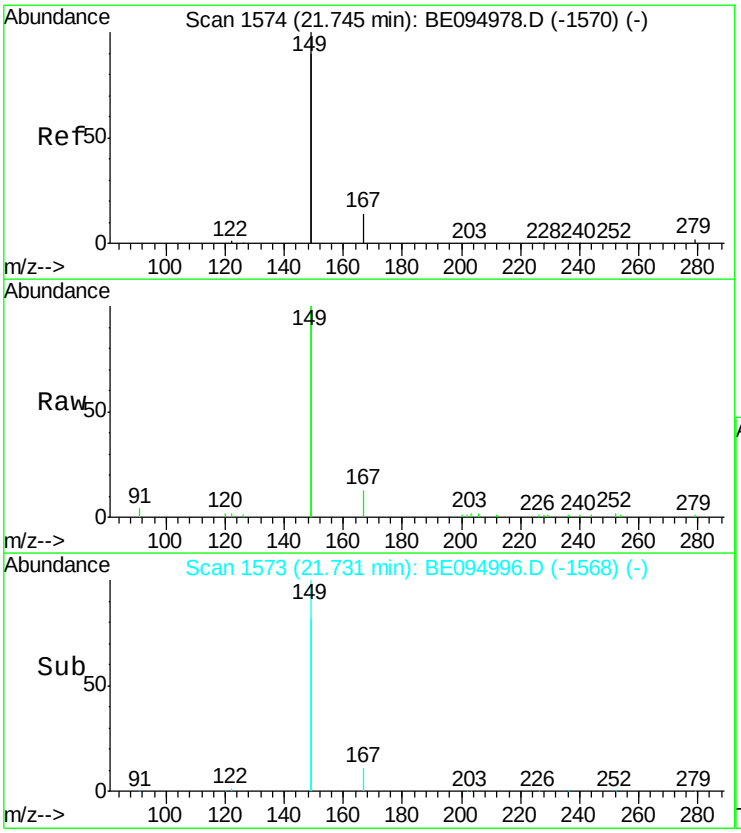
#31
Chrysene
Concen: 0.272 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:228 Resp: 17154

Ion	Ratio	Lower	Upper
228	100		
226	28.8	40.0	60.0#
229	21.0	40.0	60.0#

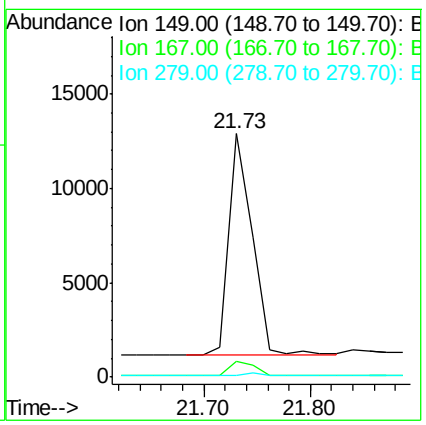


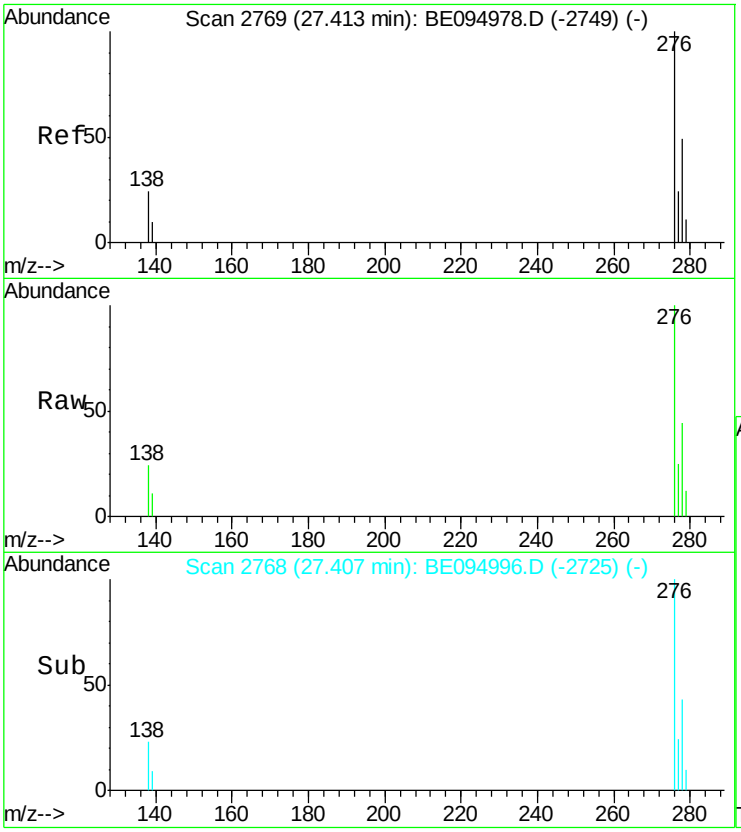


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.249 ng
RT: 21.73 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:149 Resp: 17768

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.0	0.7	1.1



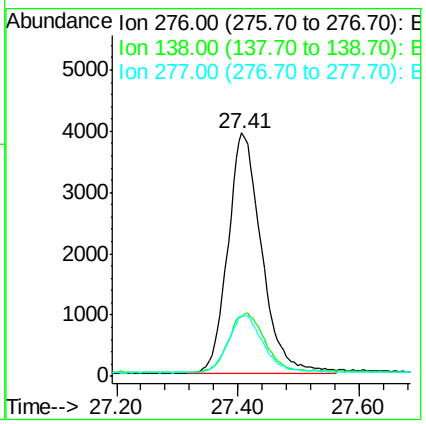


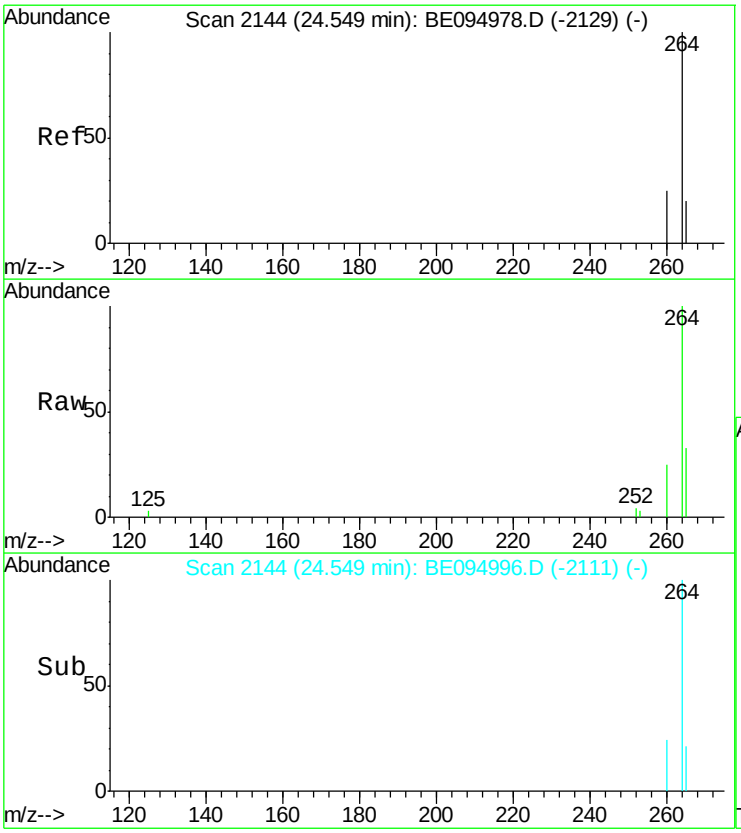
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.293 ng
RT: 27.41 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:276 Resp: 15065

Ion	Ratio	Lower	Upper
276	100		
138	26.9	22.5	33.7
277	24.7	19.9	29.9

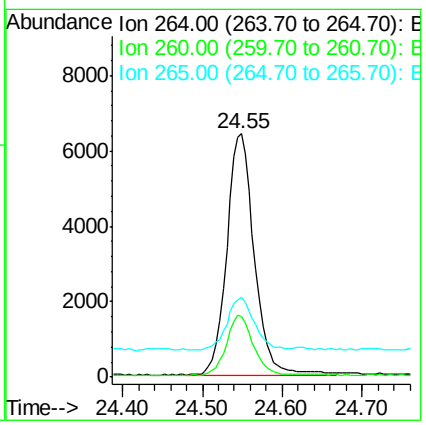


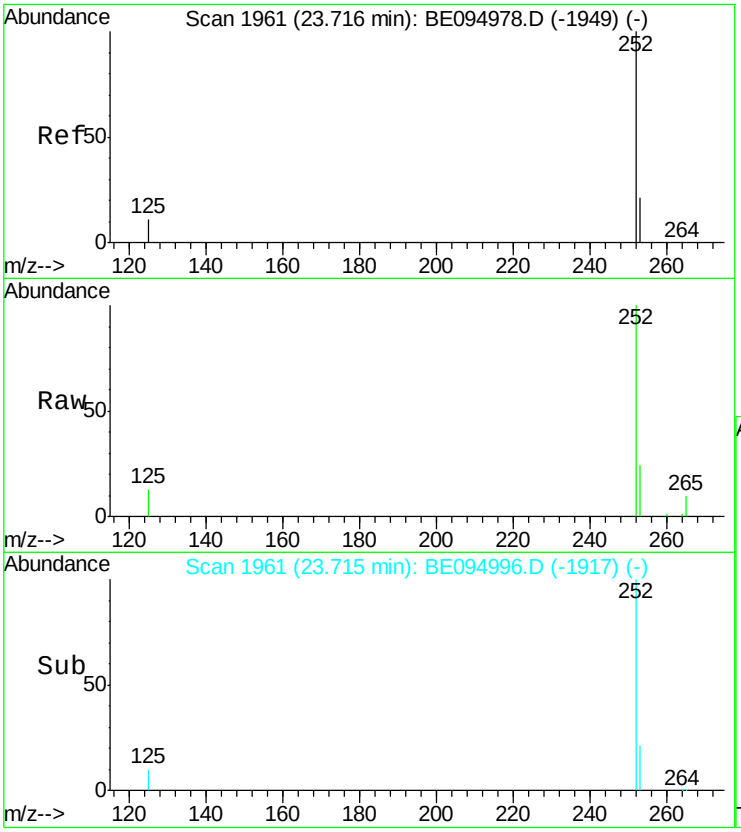


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2144
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:264 Resp: 15240

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	32.7	22.8	34.2



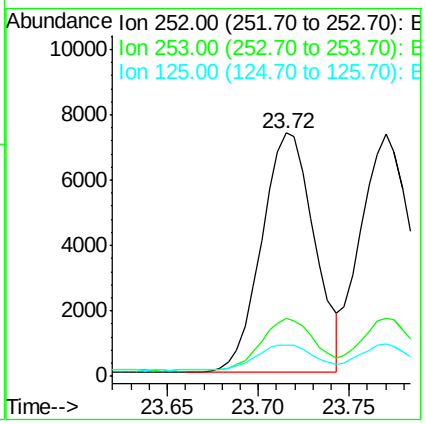


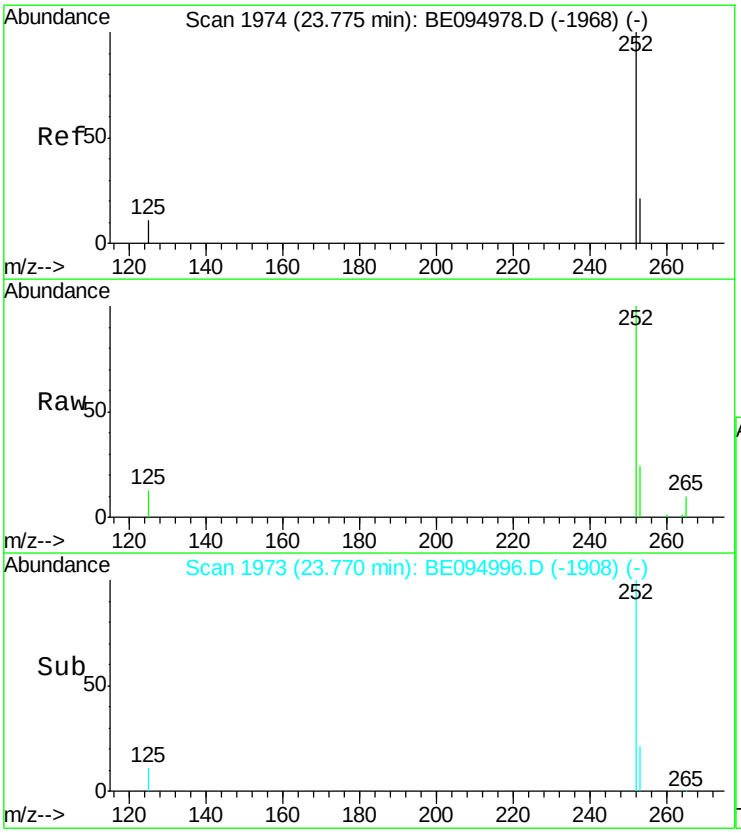
#35
Benzo(b)fluoranthene
Concen: 0.264 ng
RT: 23.72 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:252 Resp: 14793

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	12.9	16.0	24.0#

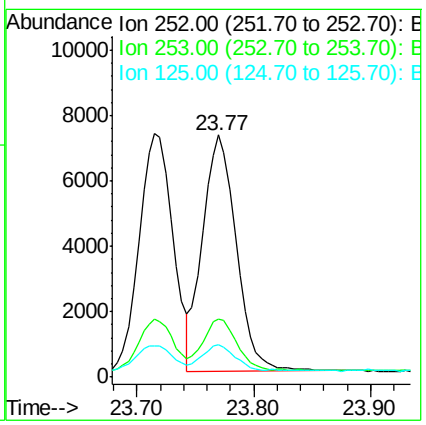


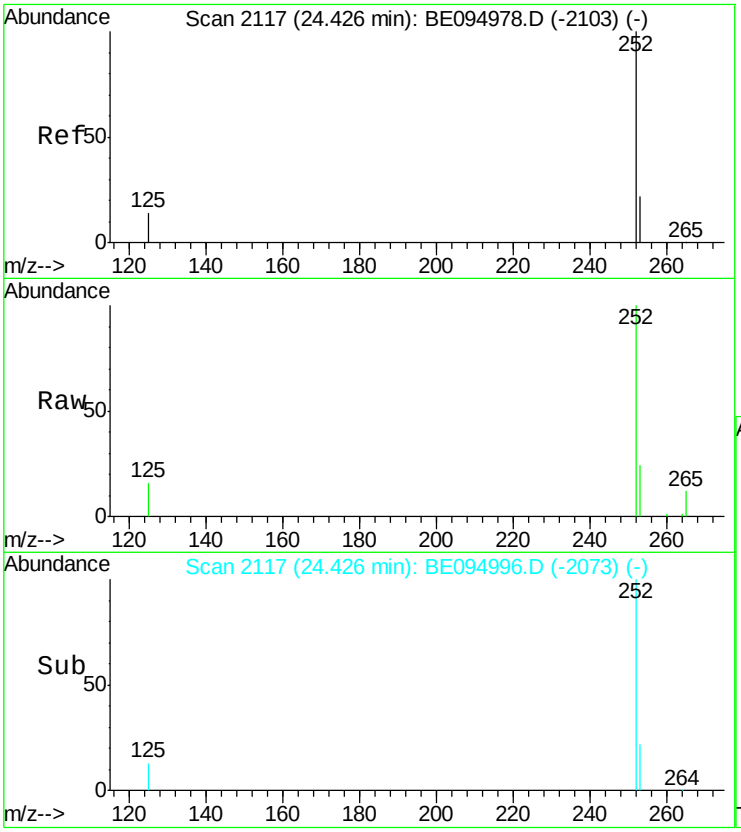


#36
Benzo(k)fluoranthene
Concen: 0.257 ng
RT: 23.77 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:252 Resp: 14555

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	13.2	8.0	12.0#



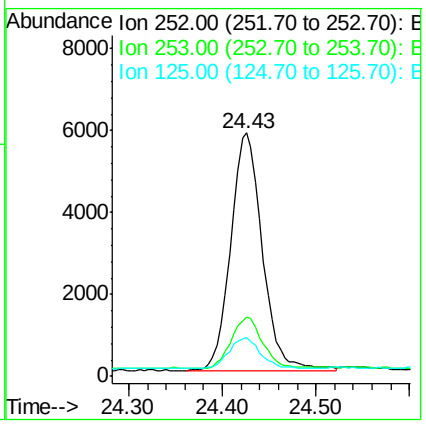


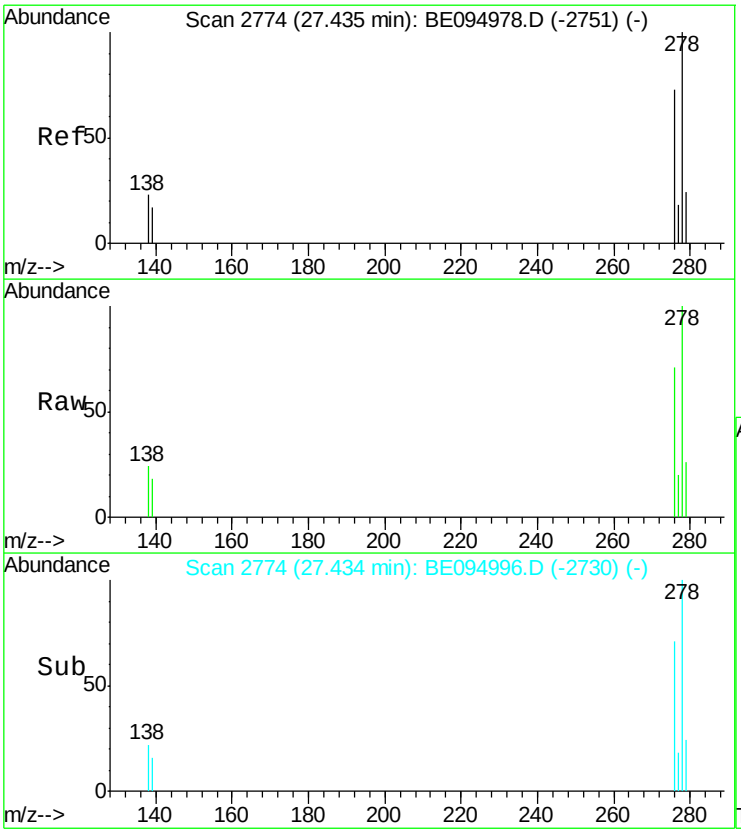
#37
Benzo(a)pyrene
Concen: 0.273 ng
RT: 24.43 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:252 Resp: 13546

Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.0	24.0#
125	15.7	12.0	18.0

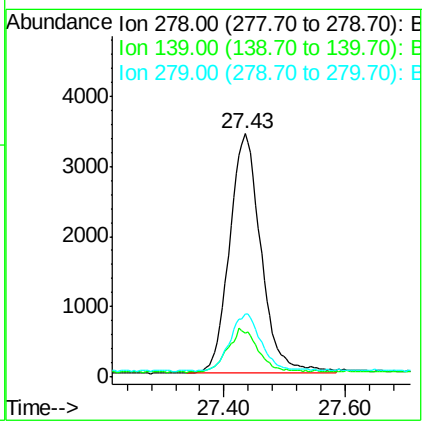


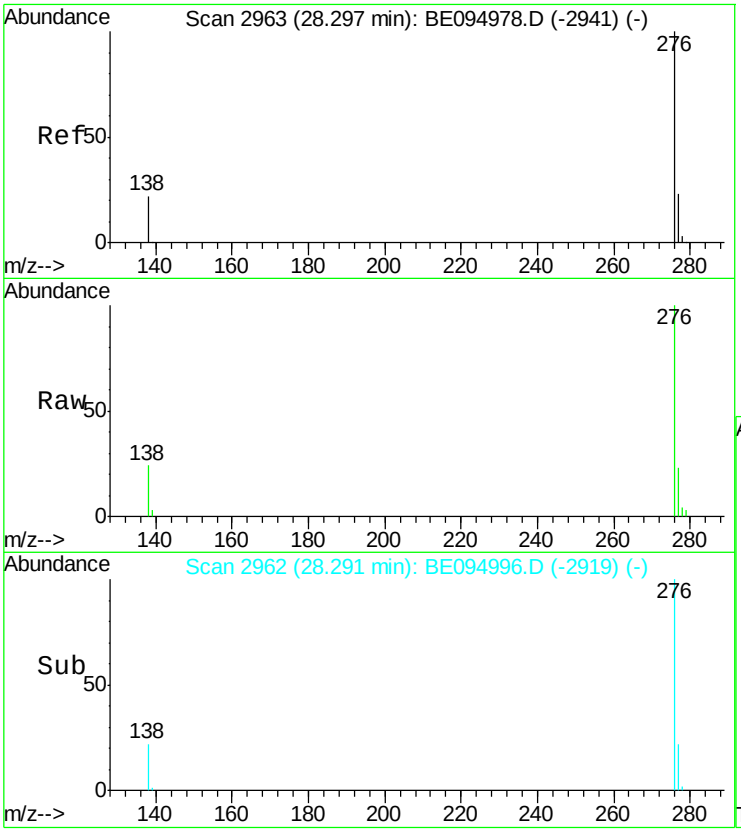


#38
Dibenzo(a,h)anthracene
Concen: 0.268 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Tgt Ion:278 Resp: 12349

Ion	Ratio	Lower	Upper
278	100		
139	18.2	16.0	24.0
279	25.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.285 ng
RT: 28.29 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BE094996.D
Acq: 15 Dec 2017 11:44

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tgt Ion:276 Resp: 13063

Ion	Ratio	Lower	Upper
276	100		
277	23.2	16.0	24.0
138	23.8	20.0	30.0