Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094978.D
Acq On : 14 Dec 2017 16:05
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Dec 14 17:26:27 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 17:23:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	6897	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	15162	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	8710	0.40	ng		0.00
19) Phenanthrene-d10	17.77	188	20597	0.40	ng		0.00
27) Chrysene-d12	21.87	240	22789	0.40	ng		0.00
34) Perylene-d12	24.55	264	17799	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	4112	0.38	ng		0.00
5) Phenol-d6	7.59	99	6172	0.38	ng		0.00
8) Nitrobenzene-d5	9.65	82	4757	0.53	ng		0.00
11) 2-Methylnaphthalene-d10	12.86	152	9822	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	757	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.70	172	15683	0.42	ng		0.00
25) Fluoranthene-d10	19.75	212	101882	0.36	ng		0.00
29) Terphenyl-d14	20.31	244	17256	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	2881	0.399	ng	#	85
3) n-Nitrosodimethylamine	4.01	42	3228	0.351	ng	#	1
6) bis(2-Chloroethyl)ether	7.87	93	6140	0.383	ng		95
9) Naphthalene	11.38	128	70903	0.399	ng		99
10) Hexachlorobutadiene	11.64	225	3251	0.433	ng		98
12) 2-Methylnaphthalene	12.93	142	17546	0.397	ng		98
16) Acenaphthylene	14.79	152	17815	0.362	ng		100
17) Acenaphthene	15.12	154	12258	0.385	ng		95
18) Fluorene	16.10	166	15010	0.371	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	4659	0.405	ng	#	82
21) Hexachlorobenzene	17.09	284	4849	0.433	ng	#	82
22) Pentachlorophenol	17.42	266	907	0.328	ng	#	71
23) Phenanthrene	17.82	178	24877	0.379	ng		98
24) Anthracene	17.91	178	24817	0.357	ng	#	94
26) Fluoranthene	19.78	202	30580	0.362	ng		99
28) Pyrene	20.13	202	31859	0.405	ng		98
30) Benzo(a)anthracene	21.85	228	26205	0.375	ng	#	61
31) Chrysene	21.92	228	29952	0.388	ng	#	64
32) Bis(2-ethylhexyl)phthalate	21.75	149	30279	0.261	ng		99
33) Indeno(1,2,3-cd)pyrene	27.41	276	24795	0.392	ng		99
35) Benzo(b)fluoranthene	23.72	252	26228	0.404	ng	#	89
36) Benzo(k)fluoranthene	23.78	252	25171	0.380	ng	#	95
37) Benzo(a)pyrene	24.43	252	23051	0.405	ng		94
38) Dibenzo(a,h)anthracene	27.44	278	21237	0.404	ng		98
39) Benzo(g,h,i)perylene	28.30	276	20960	0.399	ng		94

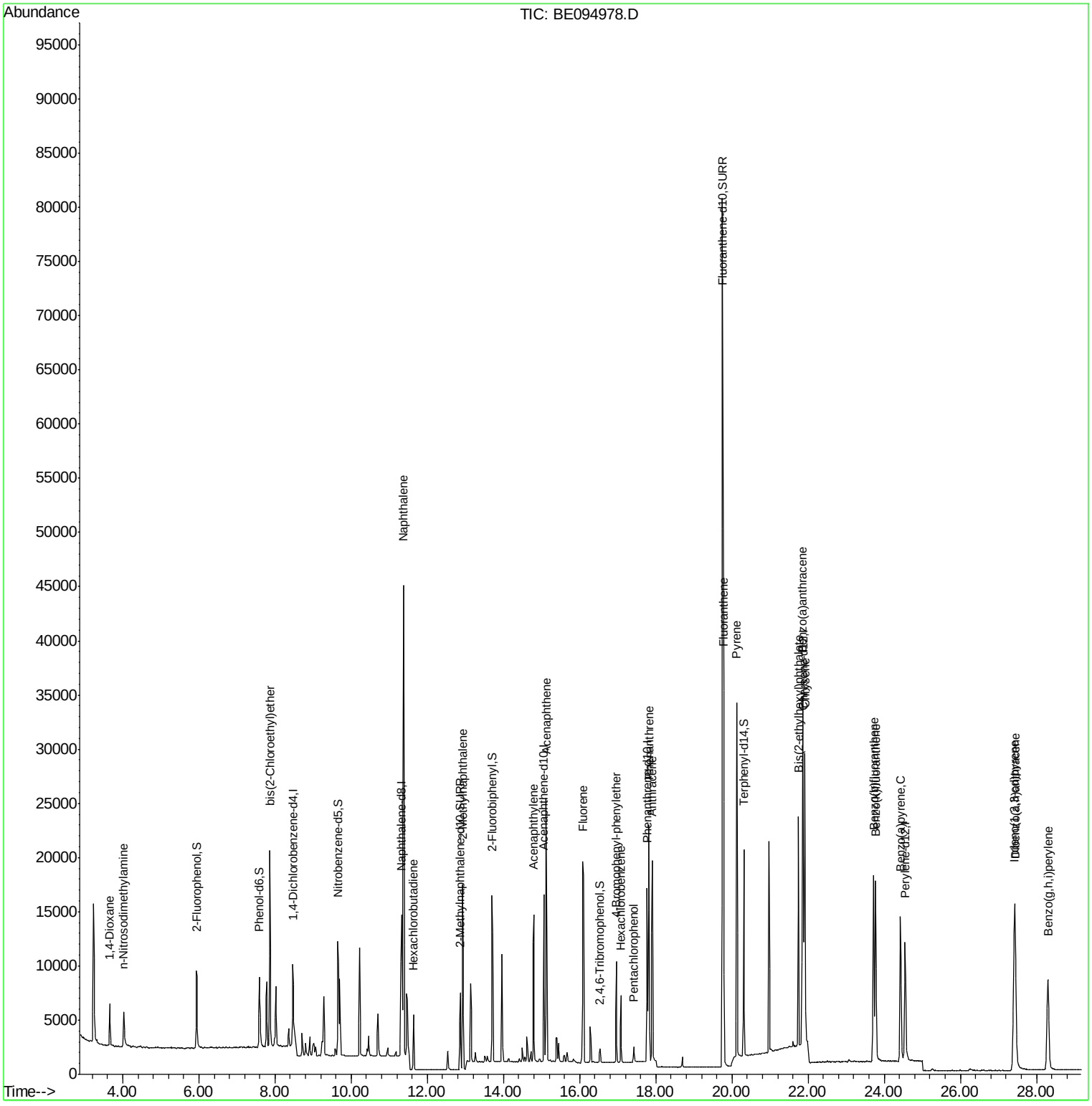
(#) = qualifier out of range (m) = manual integration (+) = signals summed

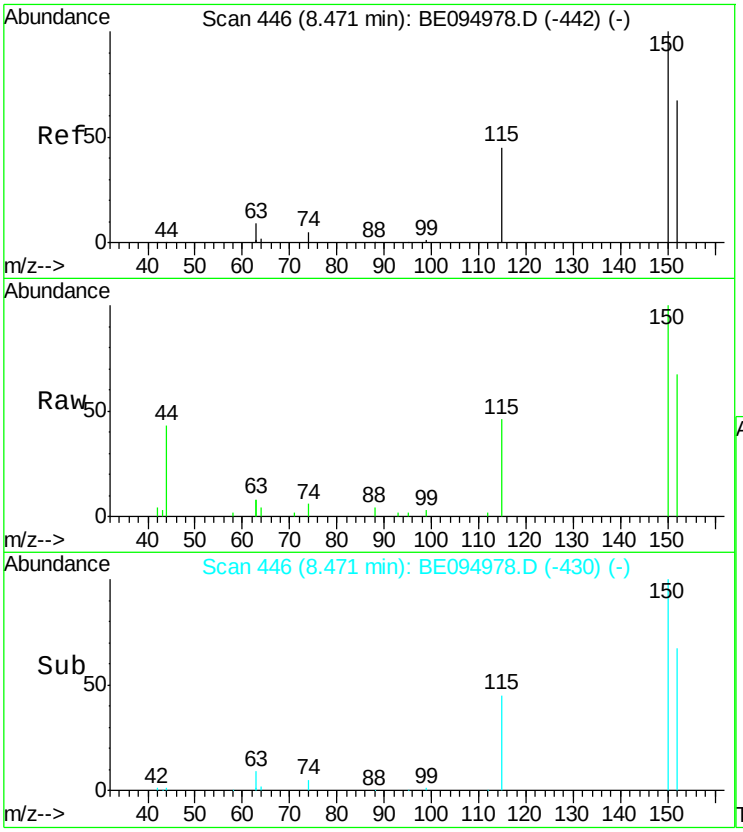
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094978.D
Acq On : 14 Dec 2017 16:05
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Dec 14 17:26:27 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 17:23:49 2017
Response via : Initial Calibration



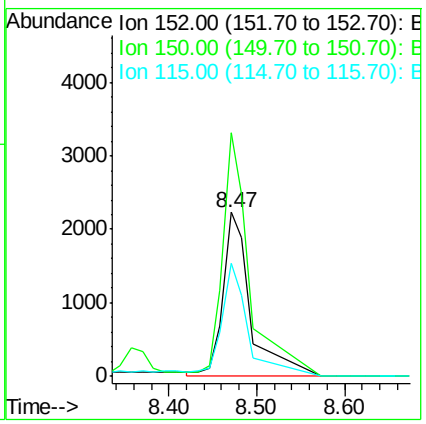


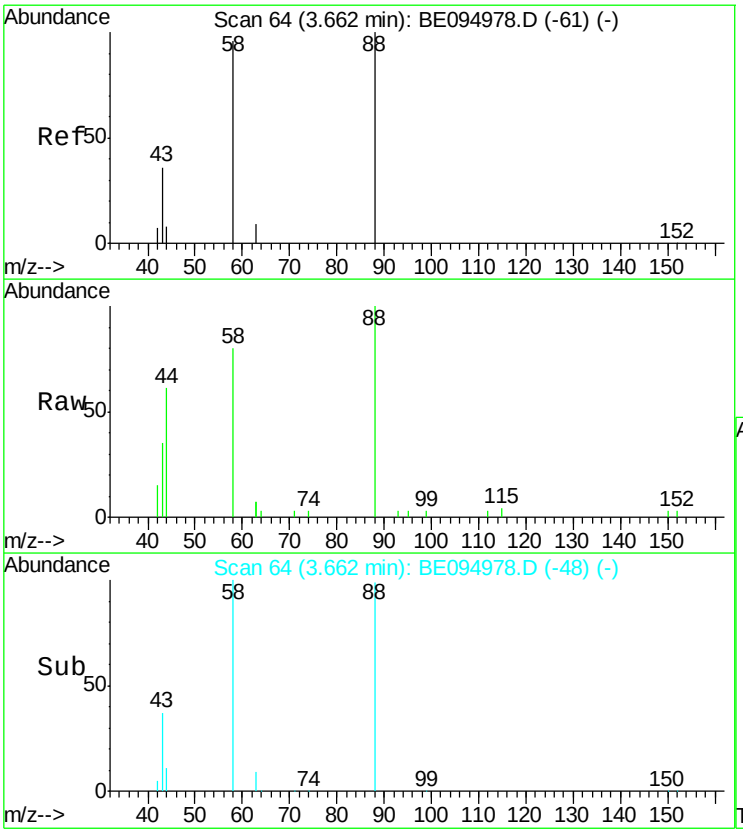
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6897

Ion	Ratio	Lower	Upper
152	100		
150	148.6	117.2	175.8
115	69.1	57.0	85.6

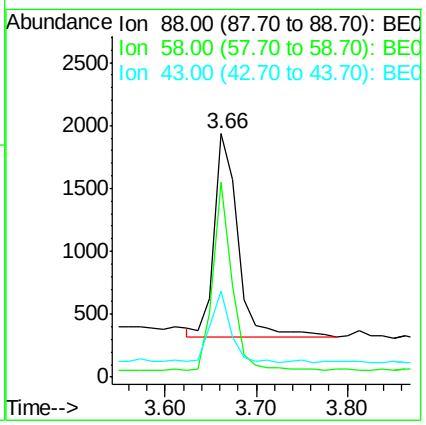


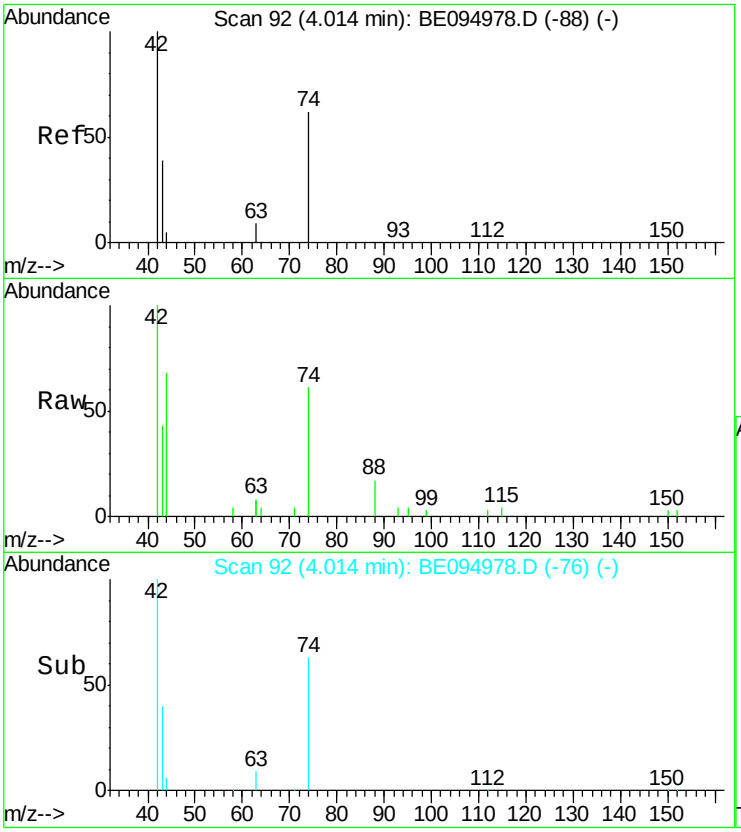


#2
1,4-Dioxane
Concen: 0.399 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion: 88 Resp: 2881

Ion	Ratio	Lower	Upper
88	100		
58	74.7	63.2	94.8
43	29.4	41.2	61.8#



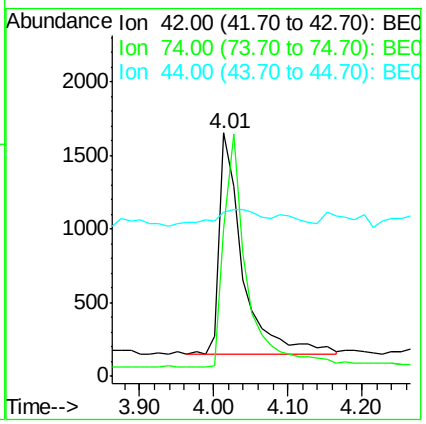


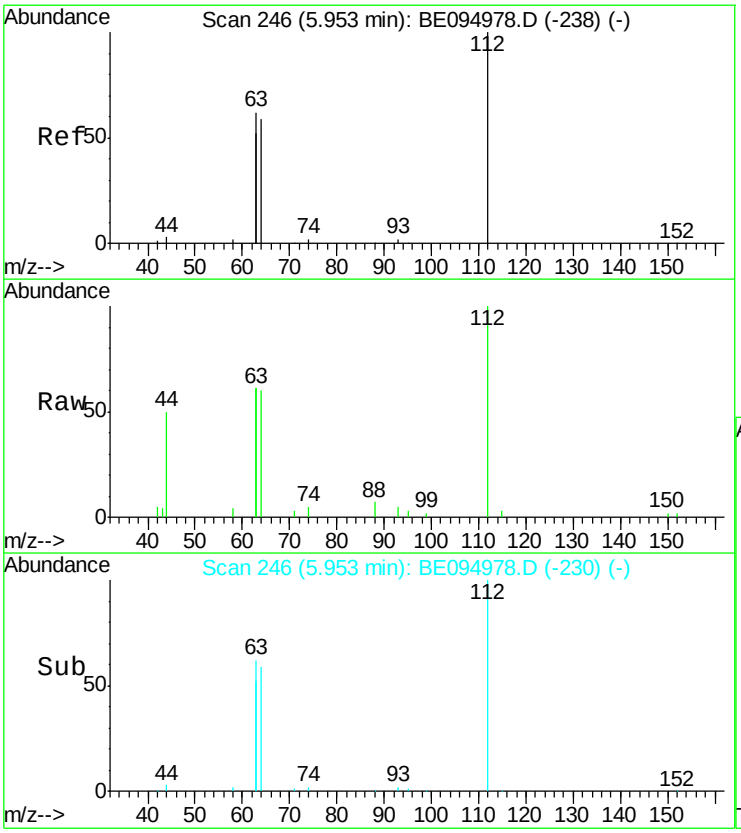
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 3228

Ion	Ratio	Lower	Upper
42	100		
74	0.0	96.0	144.0#
44	0.0	12.0	18.0#

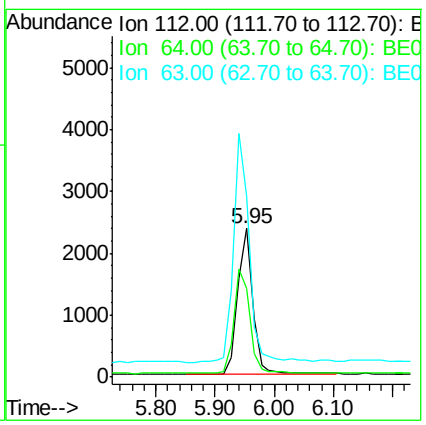


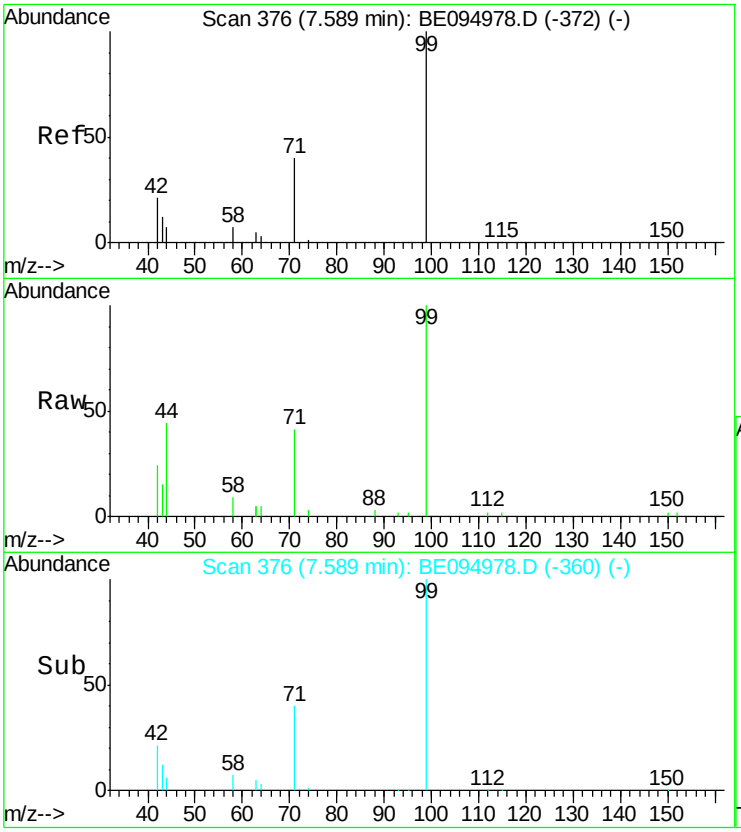


#4
2-Fluorophenol
Concen: 0.377 ng
RT: 5.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:112 Resp: 4112

Ion	Ratio	Lower	Upper
112	100		
64	74.7	60.1	90.1
63	165.0	116.8	175.2



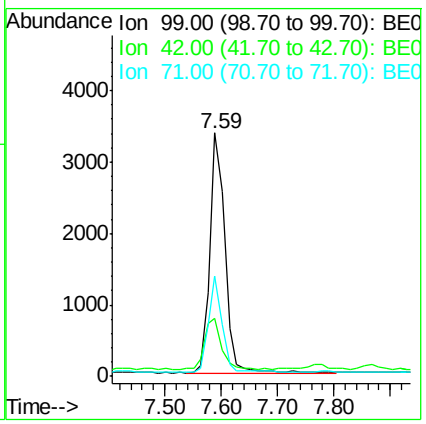


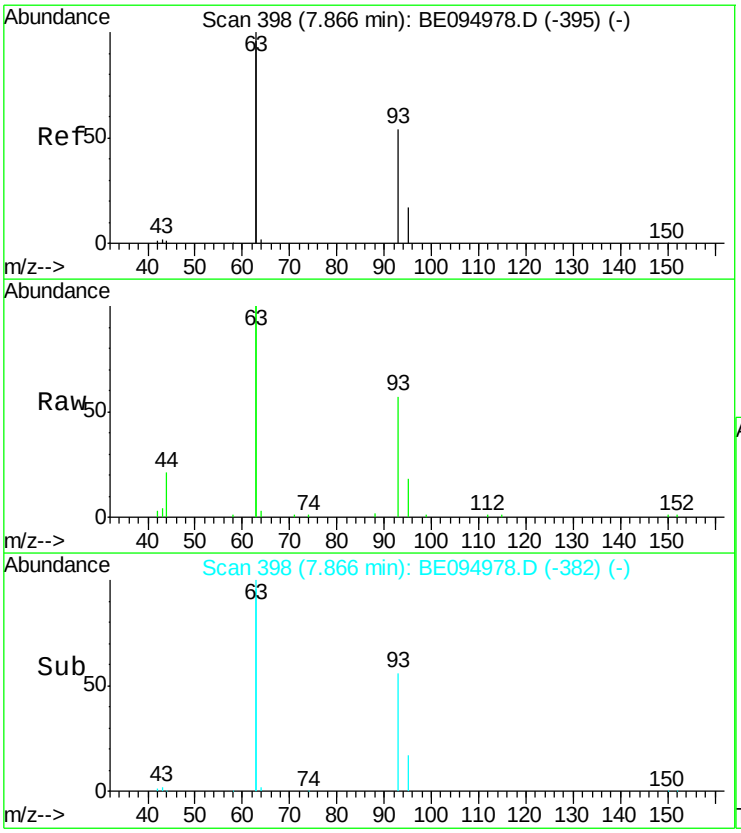
#5
Phenol-d6
Concen: 0.382 ng
RT: 7.59 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6172

Ion	Ratio	Lower	Upper
99	100		
42	23.4	20.2	30.2
71	36.9	28.4	42.6

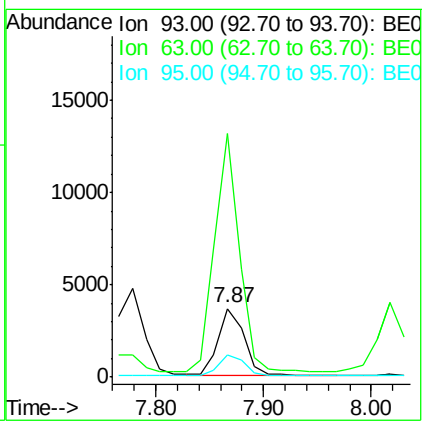


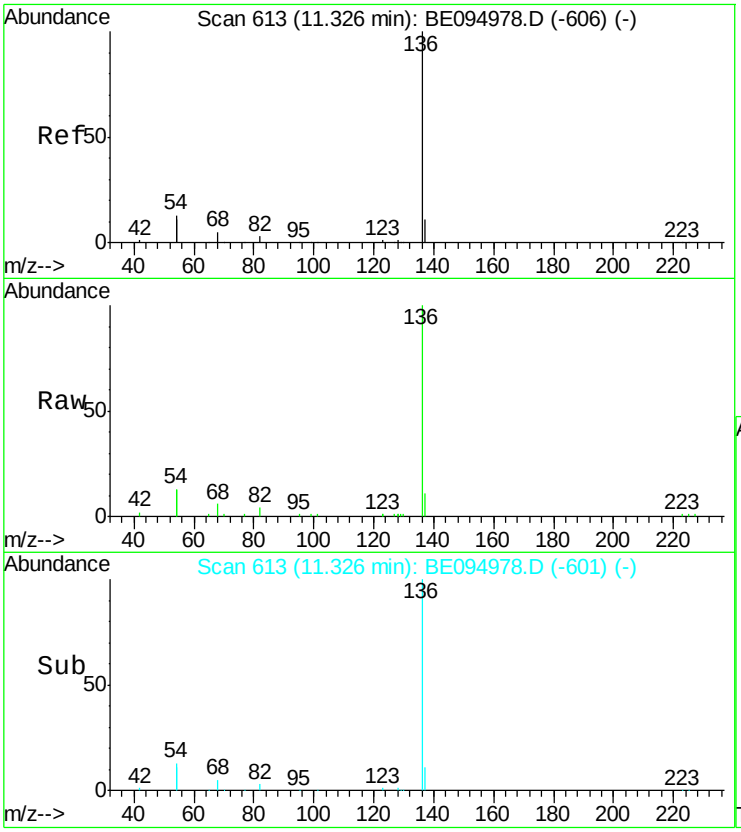


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 7.87 min Scan# 398
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion: 93 Resp: 6140

Ion	Ratio	Lower	Upper
93	100		
63	332.6	275.3	412.9
95	31.6	25.2	37.8



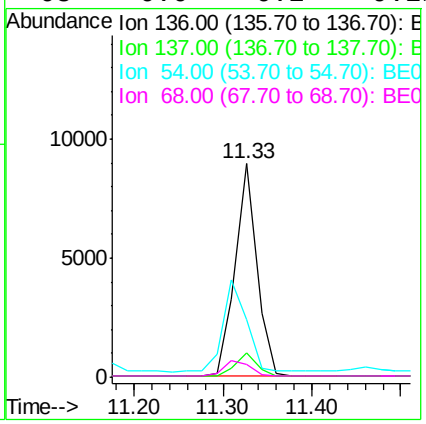


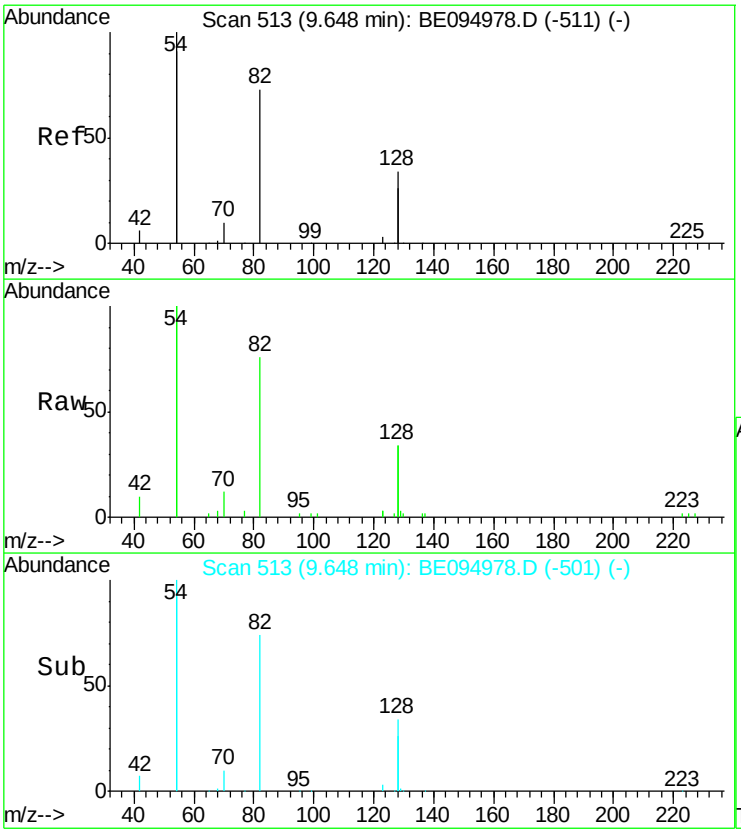
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 15162

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.5	14.3
54	26.8	29.1	43.7#
68	6.0	6.2	9.2#

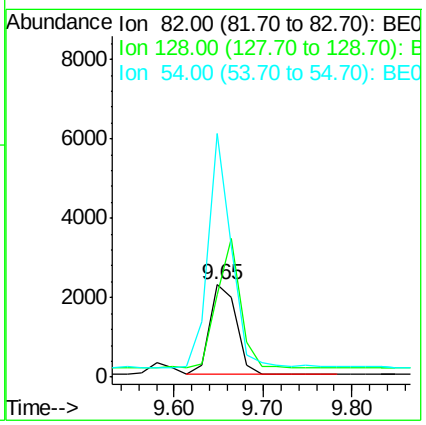


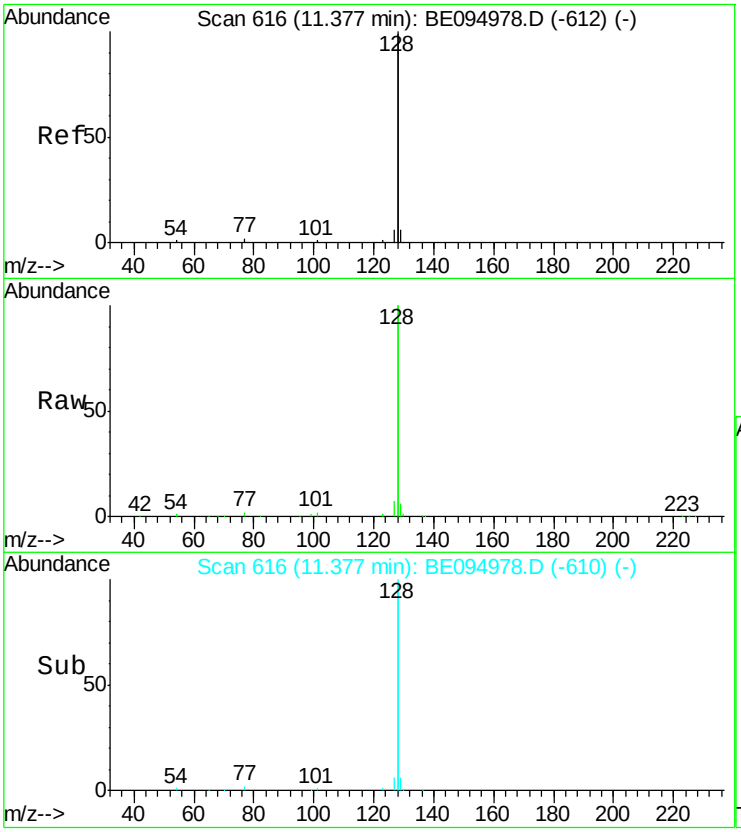


#8
Nitrobenzene-d5
Concen: 0.530 ng
RT: 9.65 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion: 82 Resp: 4757

Ion	Ratio	Lower	Upper
82	100		
128	89.0	150.0	225.0#
54	264.1	154.2	231.4#



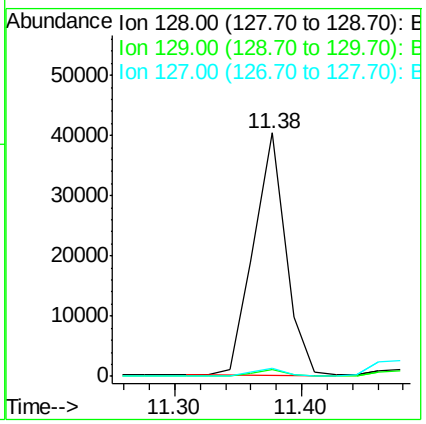


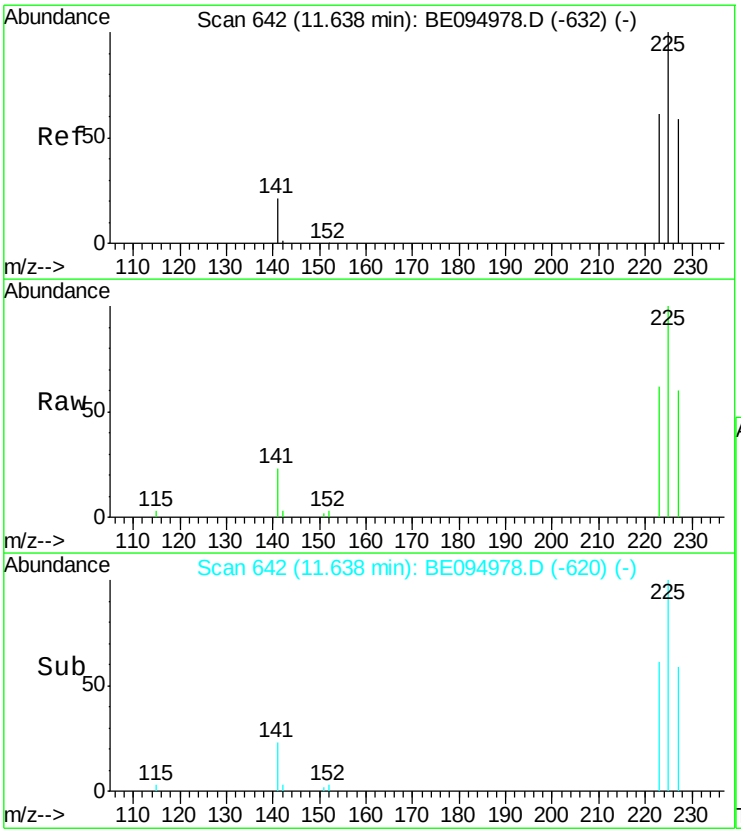
#9
Naphthalene
Concen: 0.399 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 70903

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.4	2.8	4.2

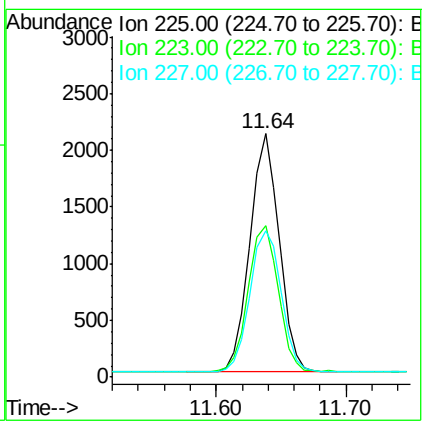


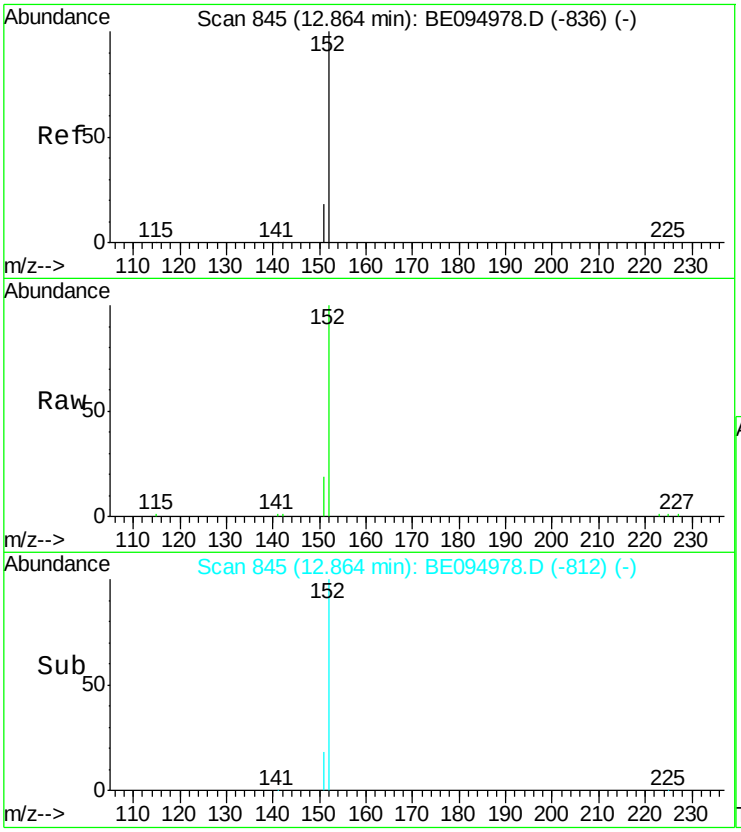


#10
Hexachlorobutadiene
Concen: 0.433 ng
RT: 11.64 min Scan# 642
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:225 Resp: 3251

Ion	Ratio	Lower	Upper
225	100		
223	63.1	53.0	79.6
227	63.8	51.4	77.2



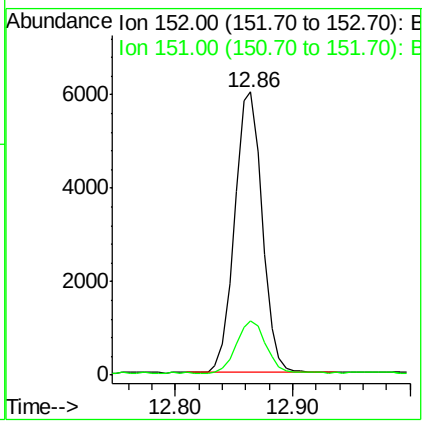


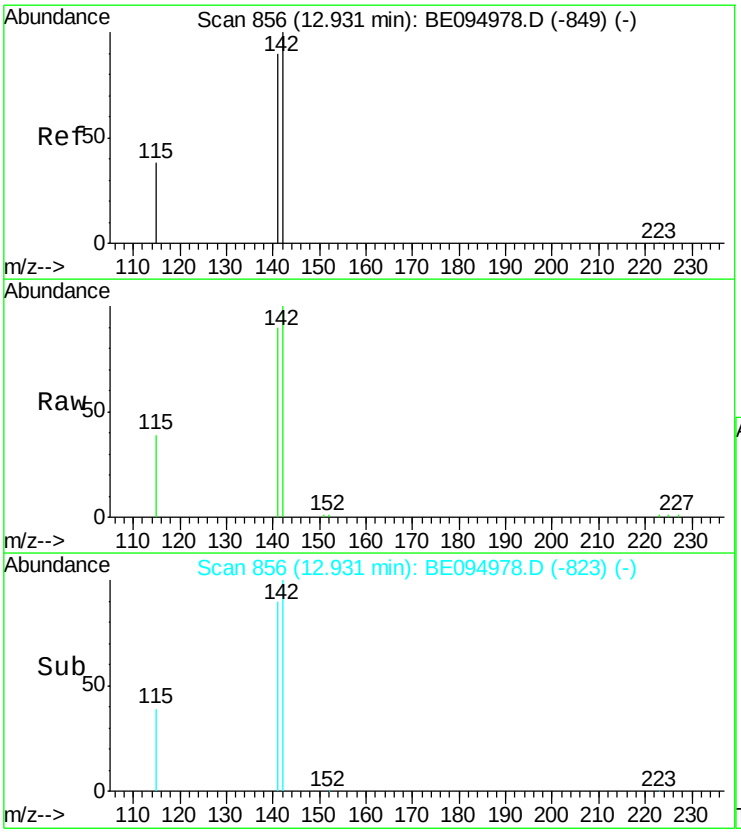
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 9822

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0

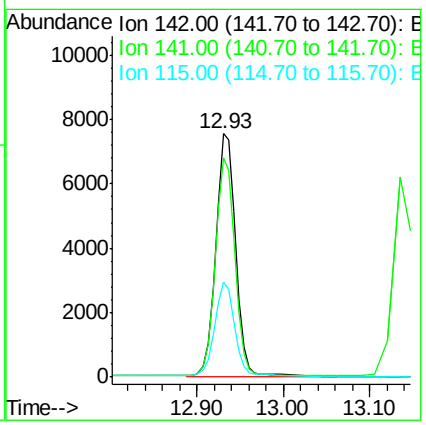


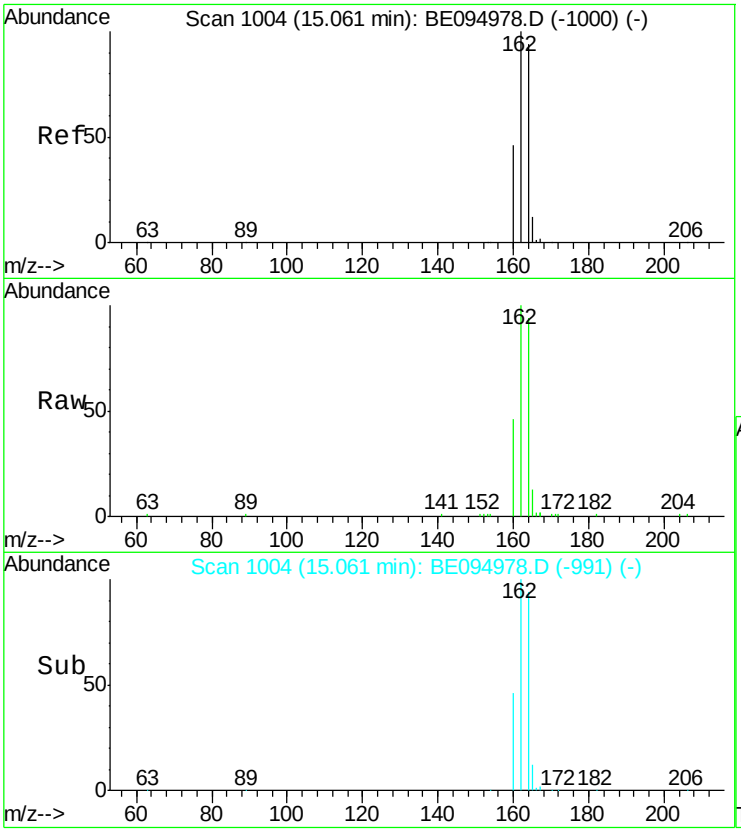


#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 12.93 min Scan# 856
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:142 Resp: 17546

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.4	105.6
115	39.2	31.7	47.5



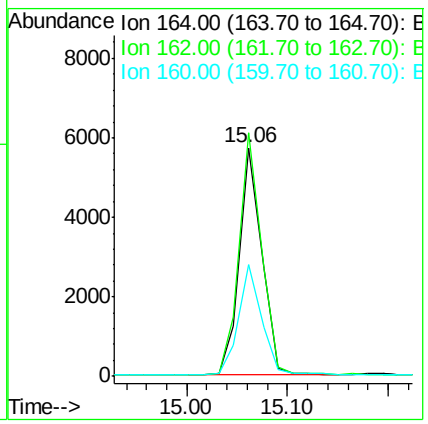


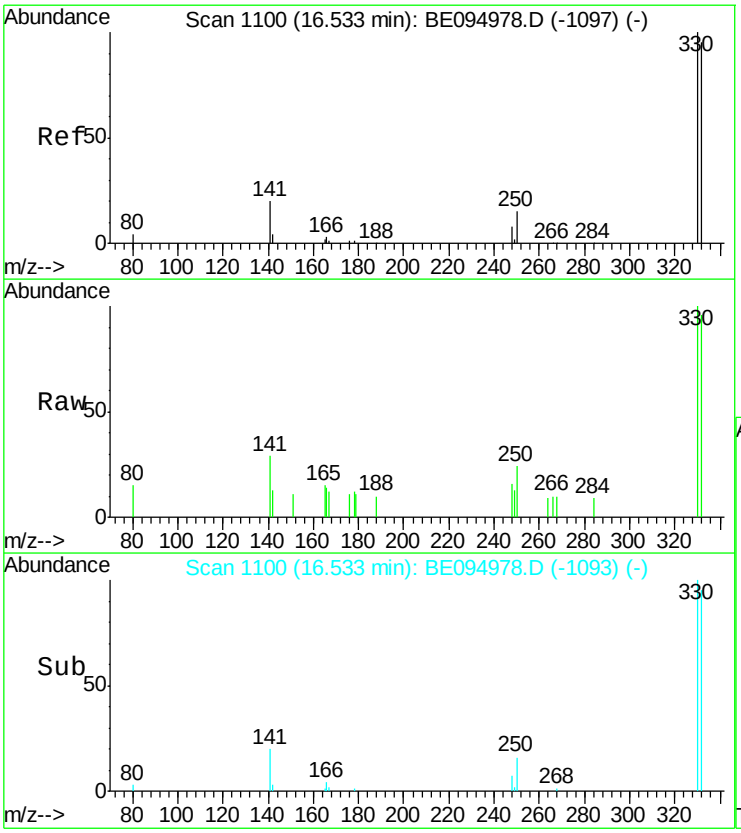
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 8710

Ion	Ratio	Lower	Upper
164	100		
162	106.7	83.1	124.7
160	49.2	37.1	55.7

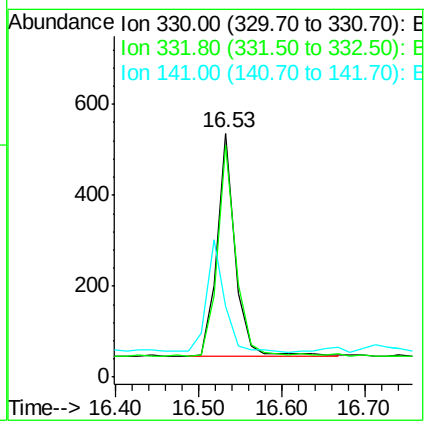


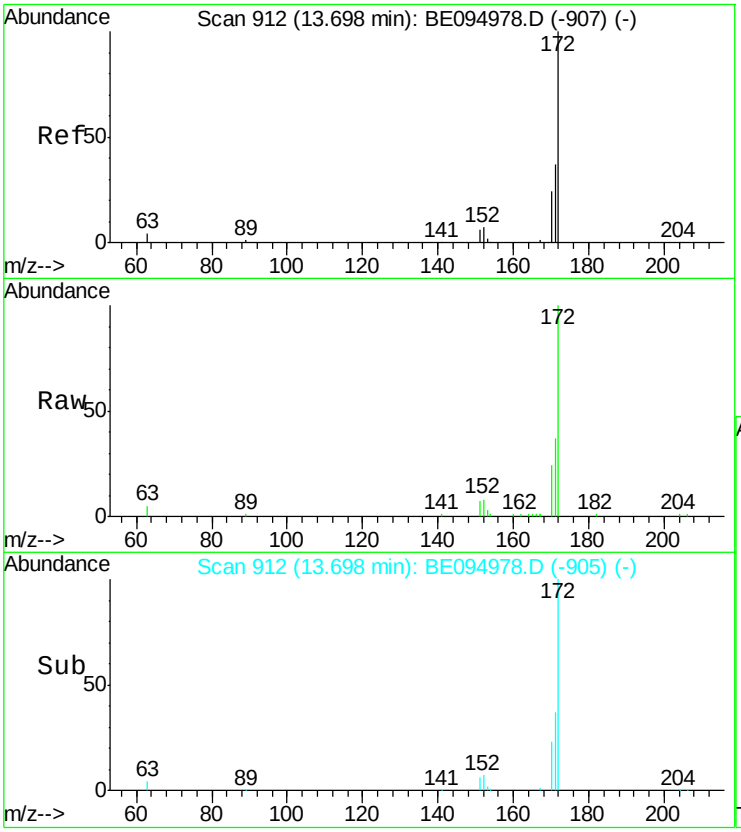


#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:330 Resp: 757

Ion	Ratio	Lower	Upper
330	100		
332	97.5	152.7	229.1#
141	49.4	33.7	50.5



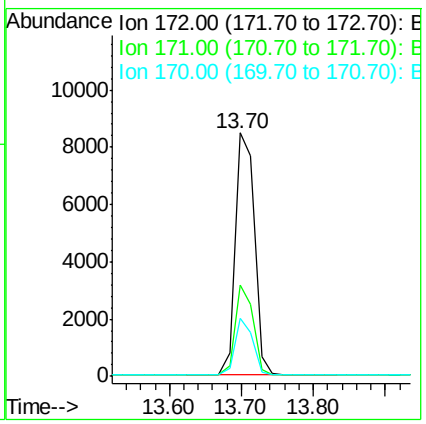


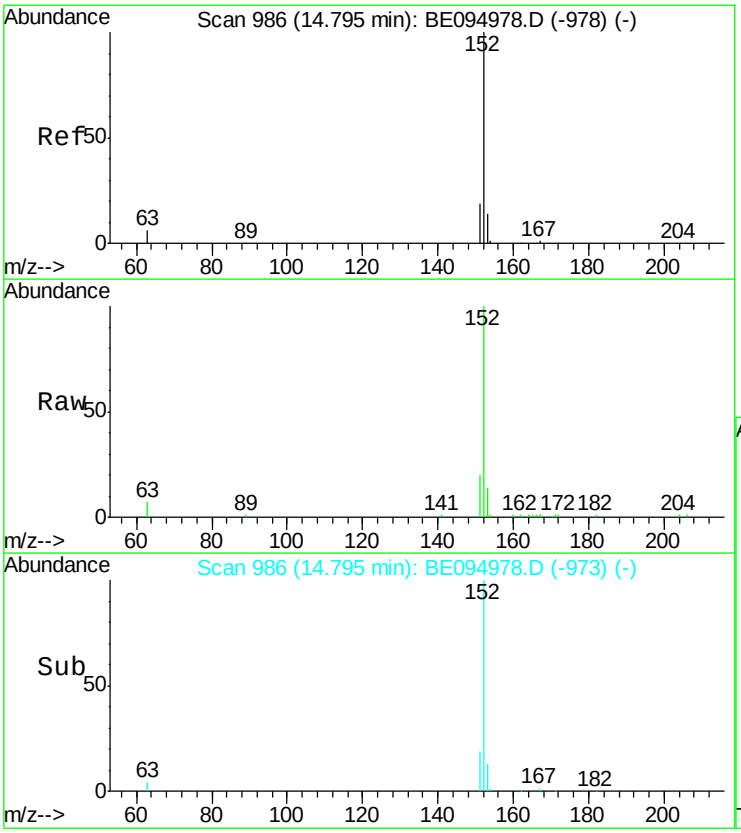
#15
2-Fluorobiphenyl
Concen: 0.420 ng
RT: 13.70 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 15683

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.9	44.9
170	24.0	21.8	32.8

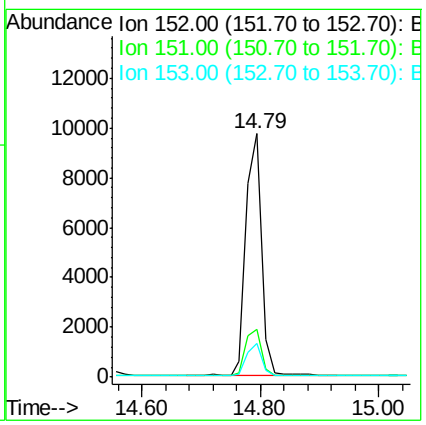


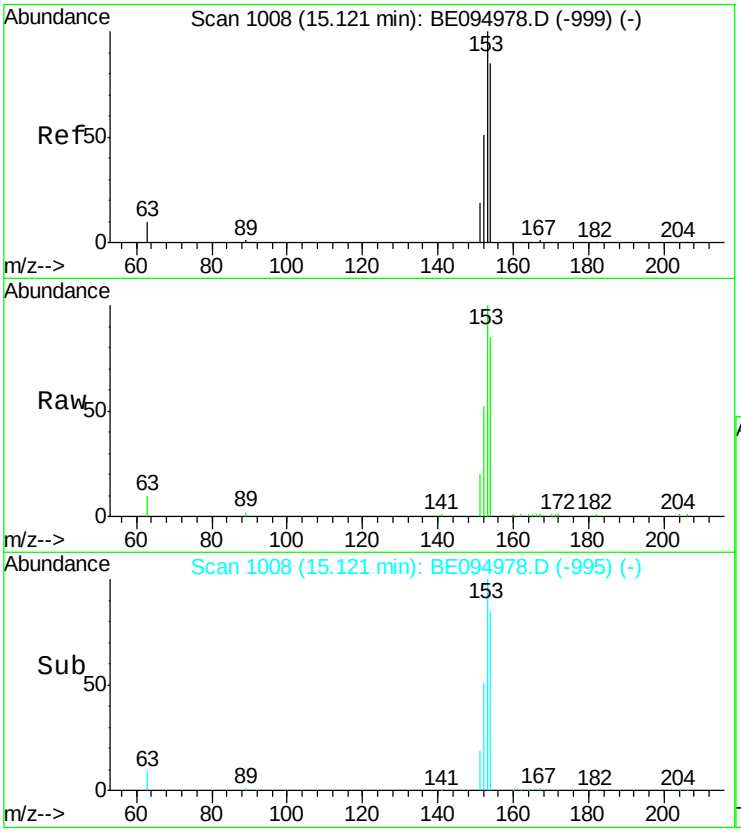


#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:152 Resp: 17815

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.5	15.7



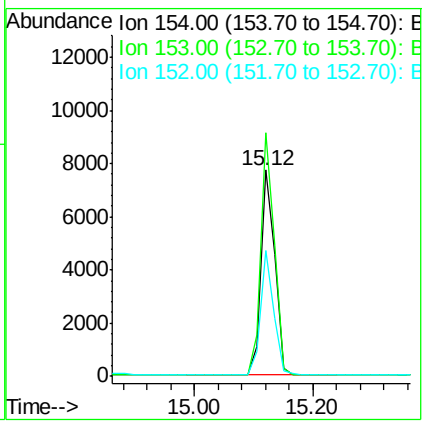


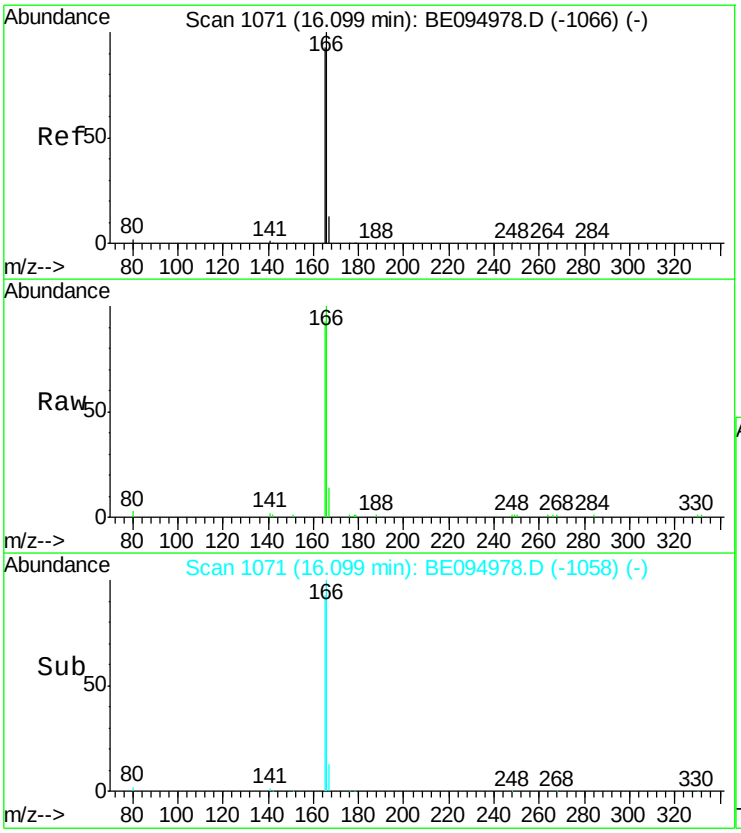
#17
Acenaphthene
Concen: 0.385 ng
RT: 15.12 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 12258

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.2	133.8
152	57.9	42.0	63.0

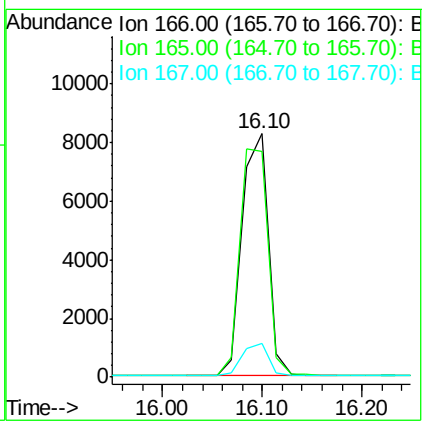


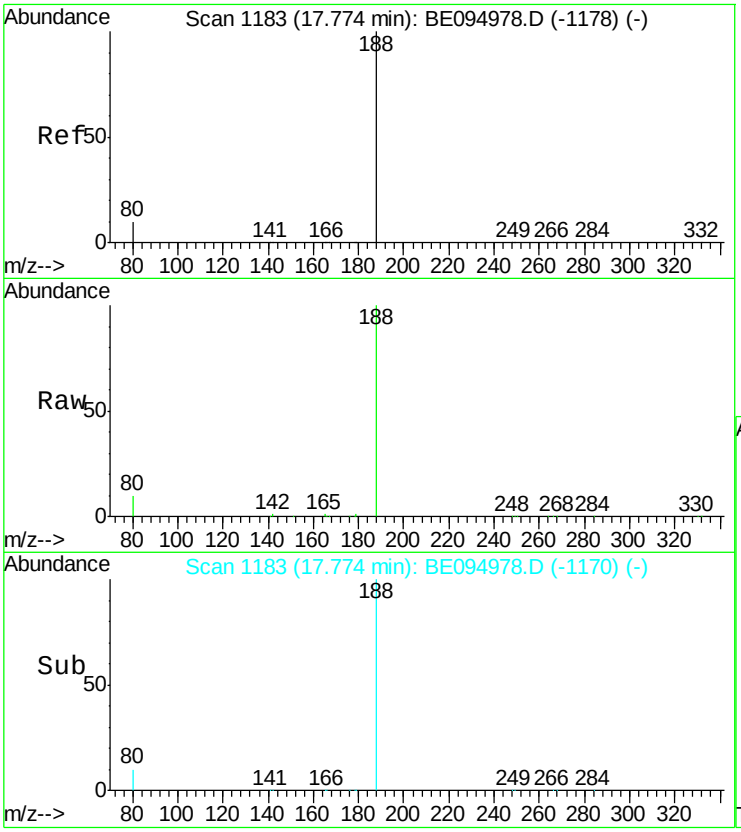


#18
Fluorene
Concen: 0.371 ng
RT: 16.10 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:166 Resp: 15010

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.8	116.6
167	13.6	42.4	63.6#



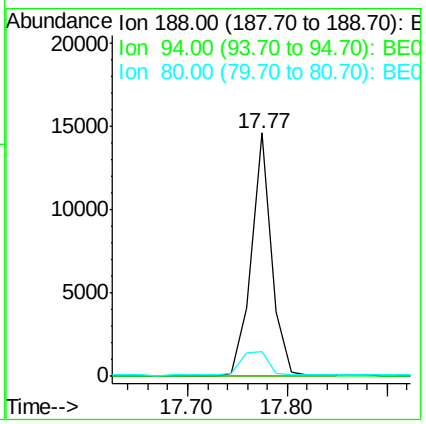


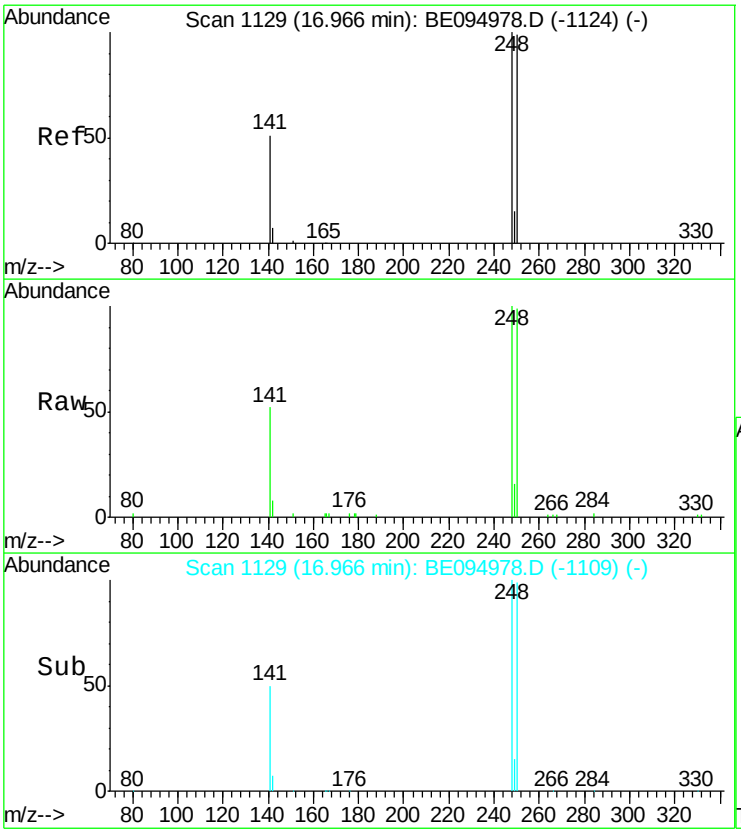
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 20597

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.1	3.6	5.4#

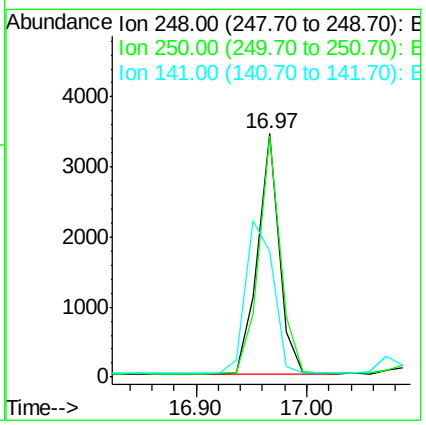


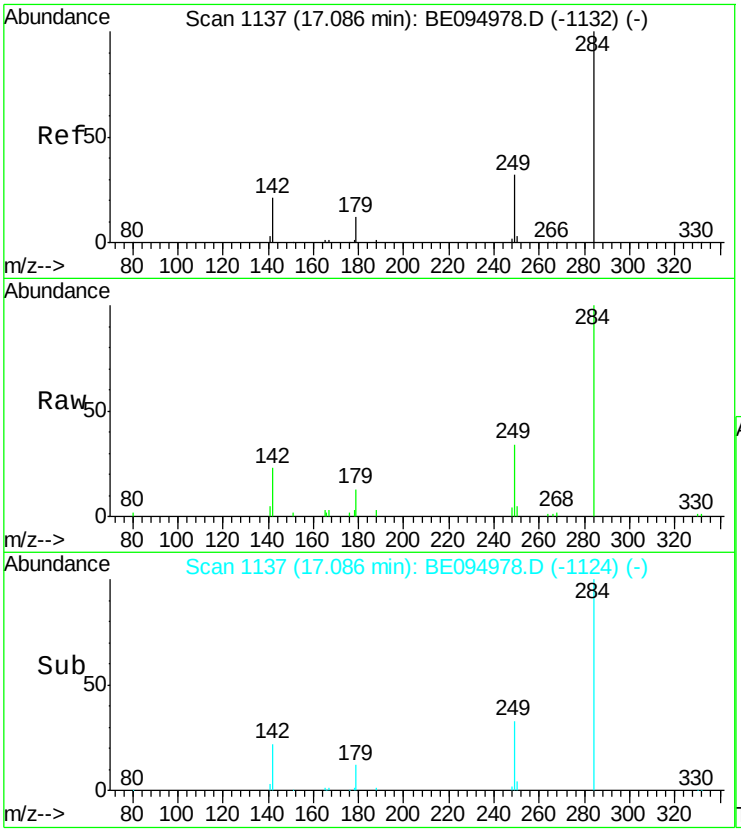


#20
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 16.97 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:248 Resp: 4659

Ion	Ratio	Lower	Upper
248	100		
250	98.8	62.7	94.1#
141	51.5	48.2	72.2



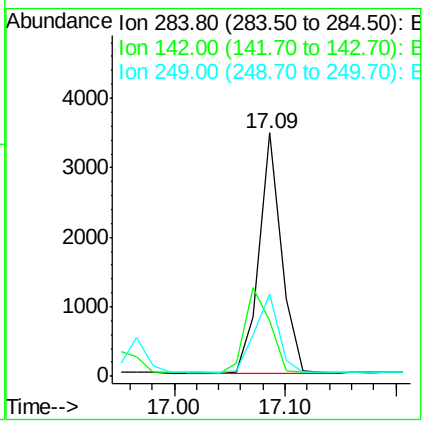


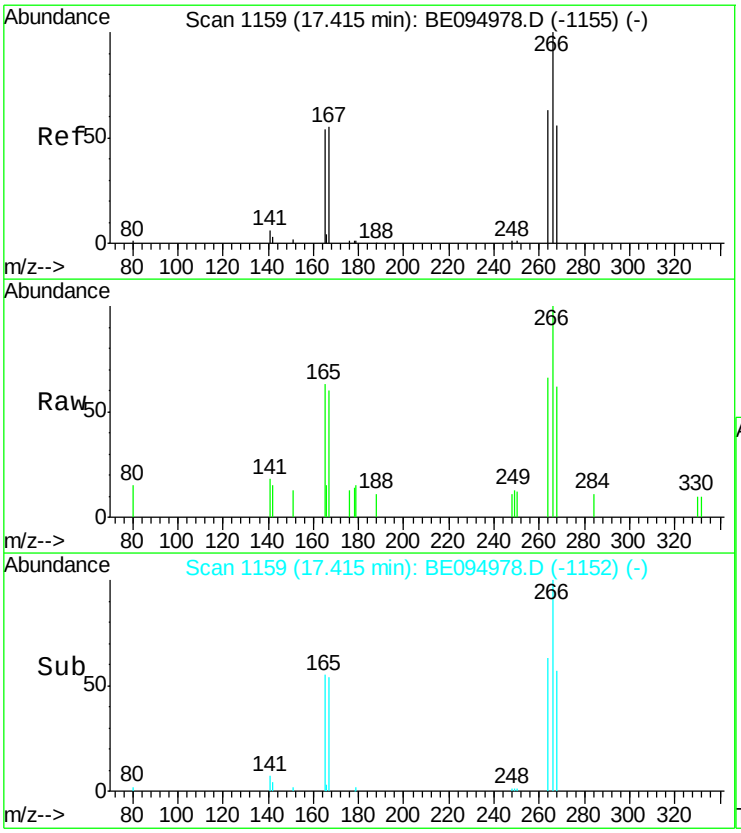
#21
Hexachlorobenzene
Concen: 0.433 ng
RT: 17.09 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 4849

Ion	Ratio	Lower	Upper
284	100		
142	40.0	22.1	33.1#
249	34.4	34.8	52.2#

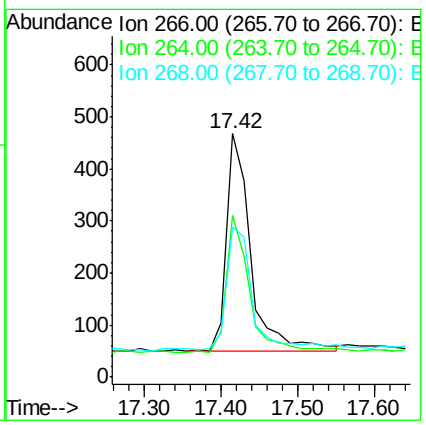


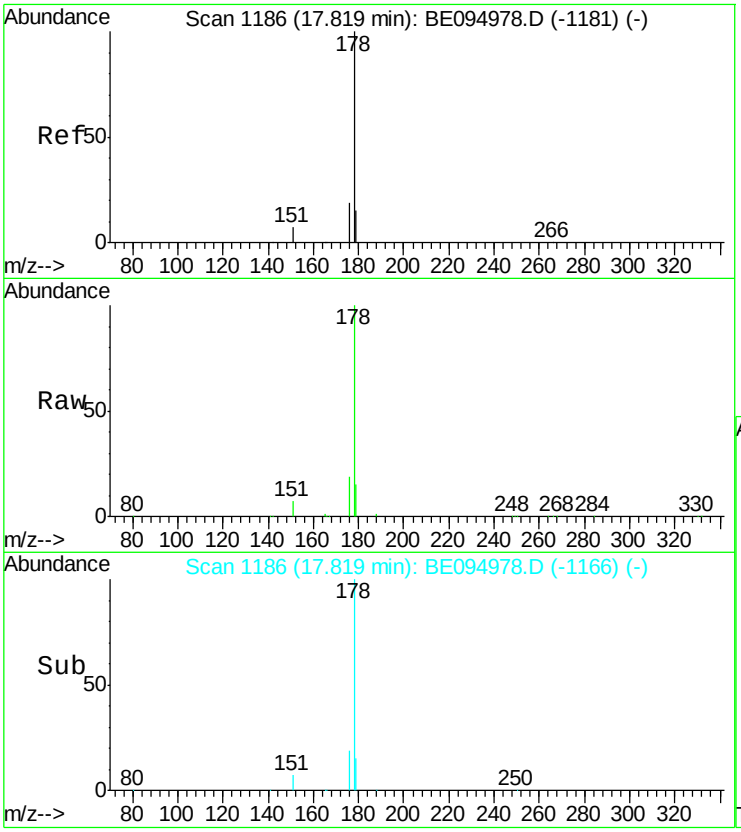


#22
Pentachlorophenol
Concen: 0.328 ng
RT: 17.42 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:266 Resp: 907

Ion	Ratio	Lower	Upper
266	100		
264	66.5	72.5	108.7#
268	61.8	73.8	110.6#



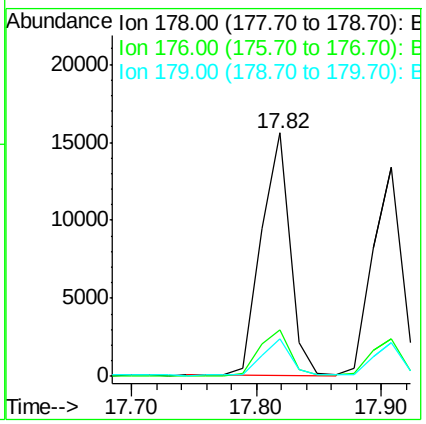


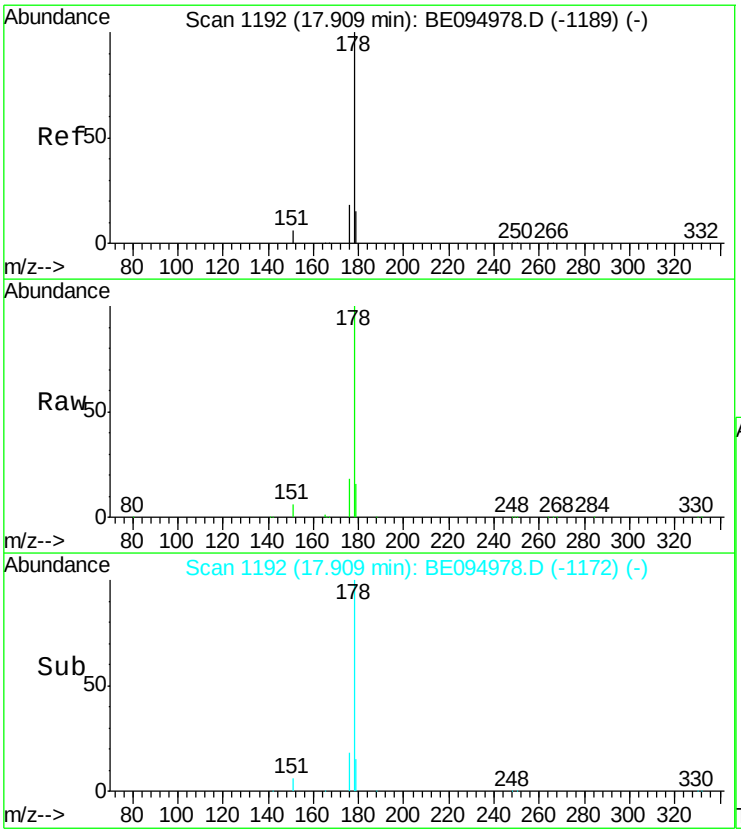
#23
Phenanthrene
Concen: 0.379 ng
RT: 17.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 24877

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.1	22.7
179	15.4	11.8	17.6

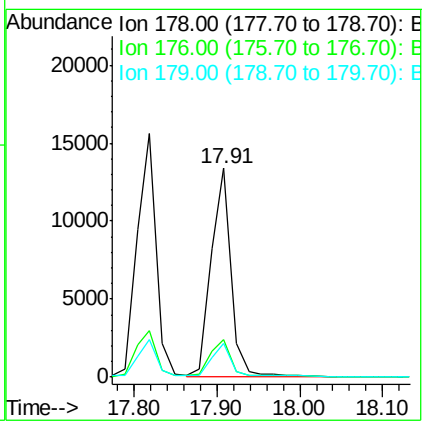


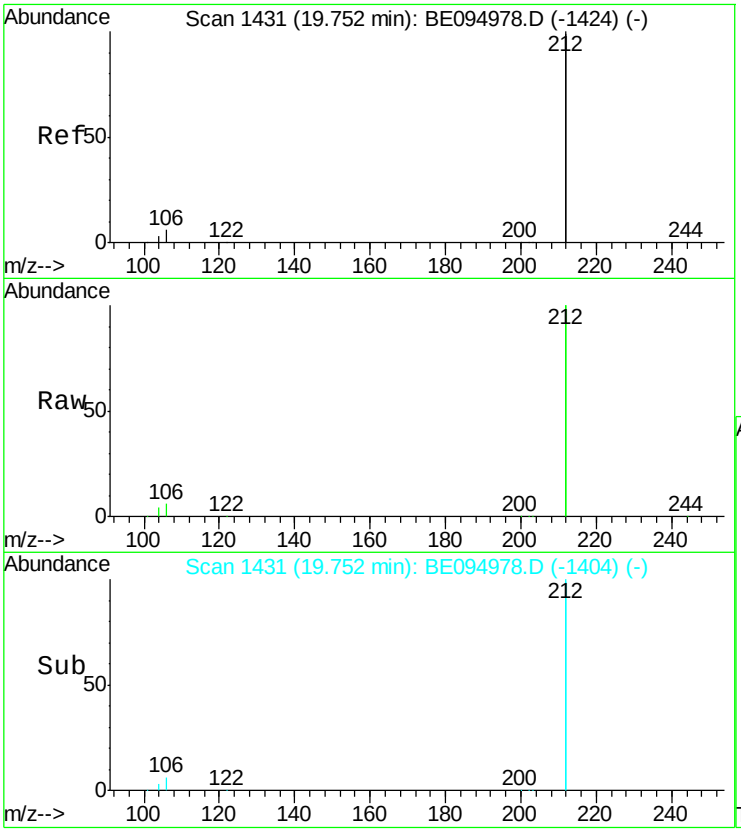


#24
Anthracene
Concen: 0.357 ng
RT: 17.91 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:178 Resp: 24817

Ion	Ratio	Lower	Upper
178	100		
176	20.2	12.8	19.2#
179	17.4	13.0	19.6



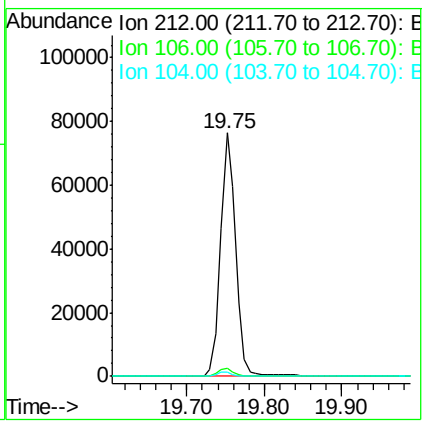


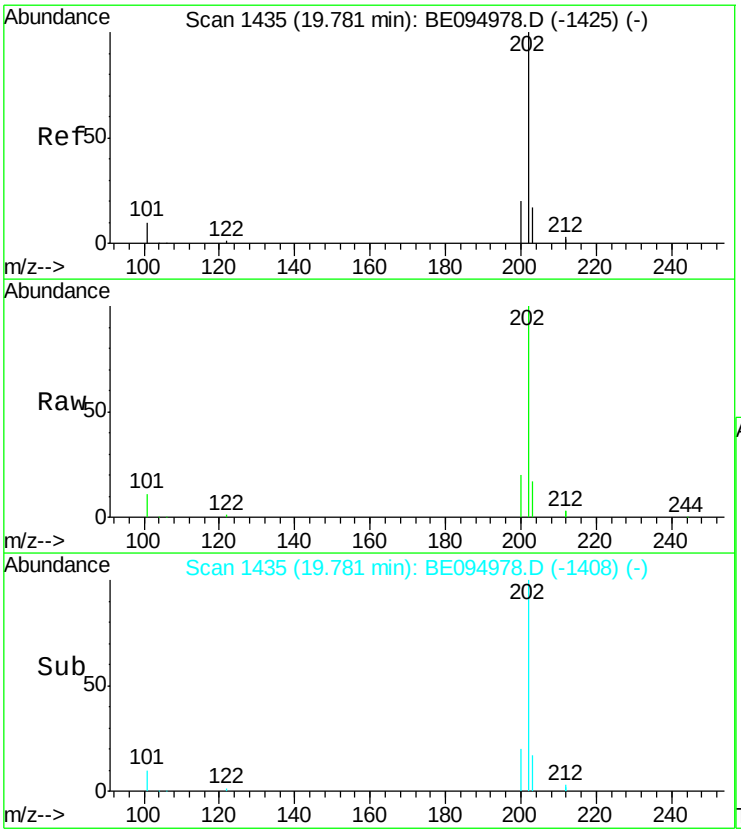
#25
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.75 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 101882

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.8	4.2
104	1.9	1.6	2.4

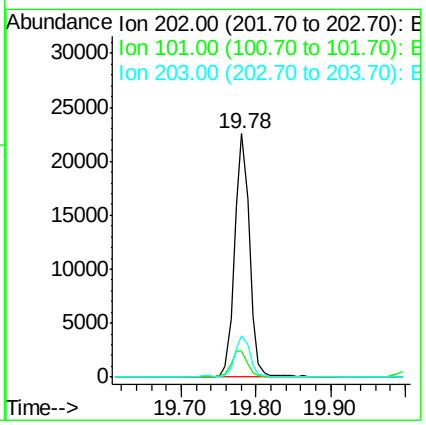


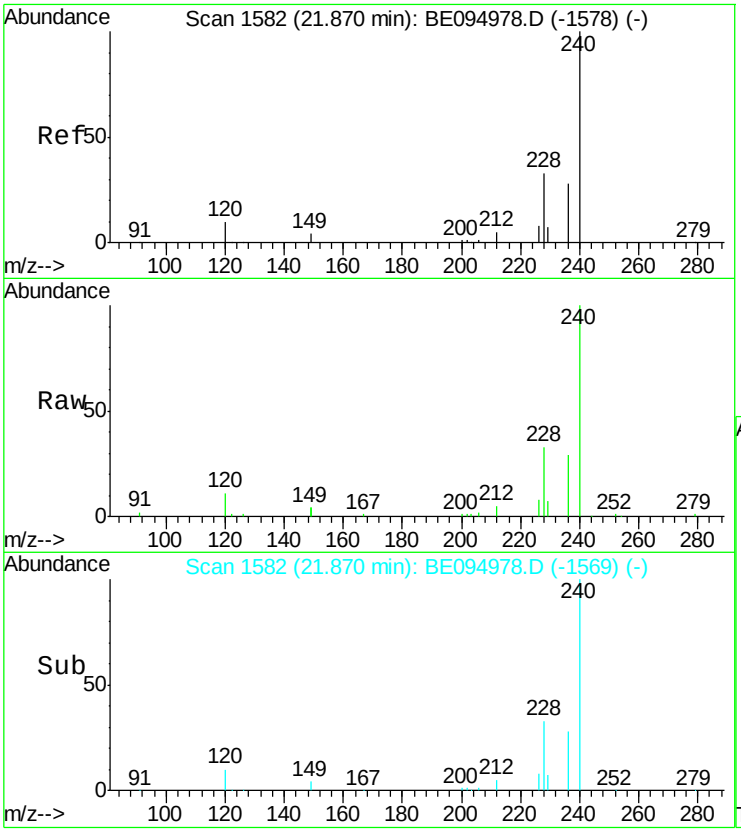


#26
Fluoranthene
Concen: 0.362 ng
RT: 19.78 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:202 Resp: 30580

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	16.8	13.7	20.5



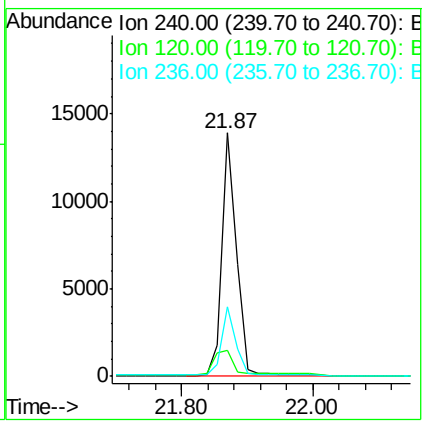


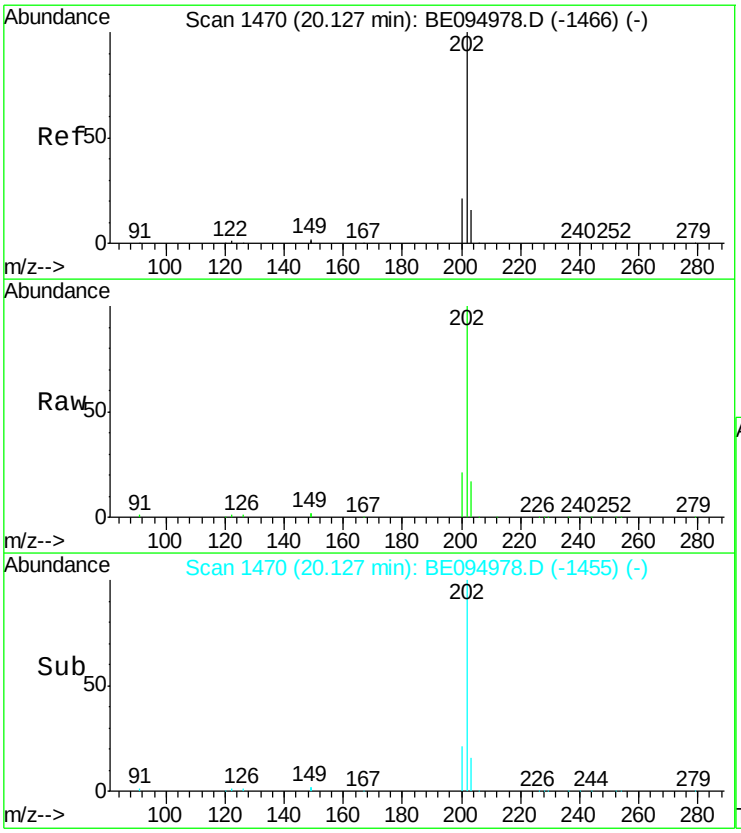
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 22789

Ion	Ratio	Lower	Upper
240	100		
120	10.6	5.5	8.3#
236	28.6	20.7	31.1

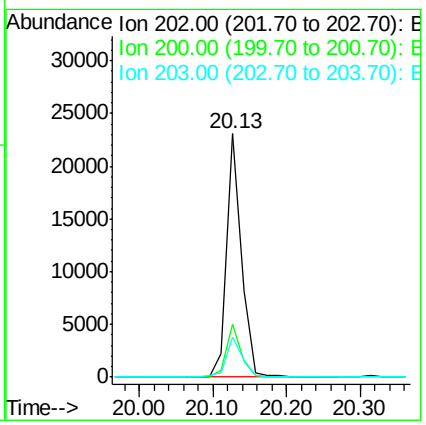


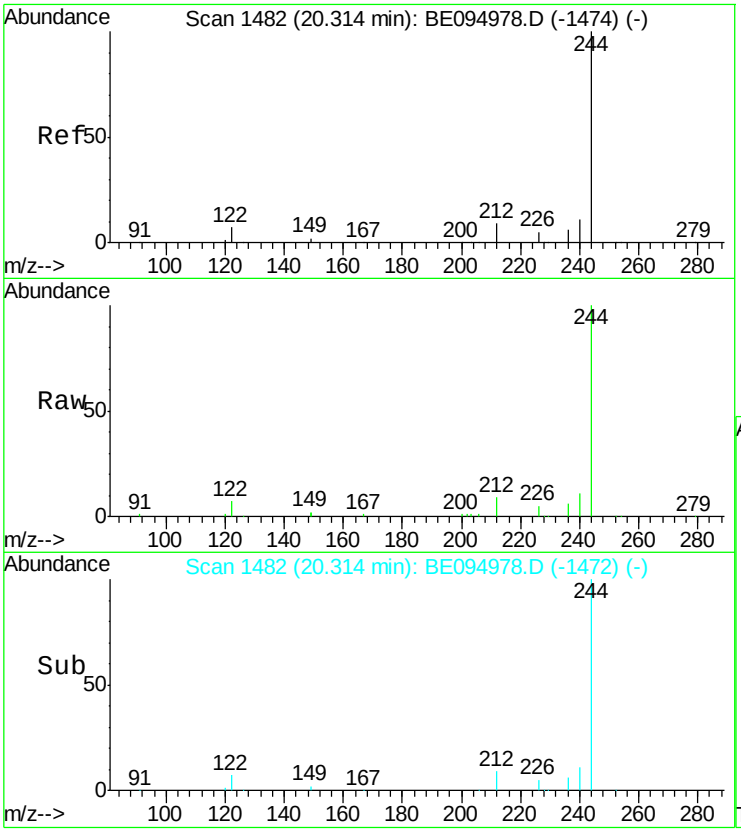


#28
Pyrene
Concen: 0.405 ng
RT: 20.13 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:202 Resp: 31859

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.8	13.8	20.8



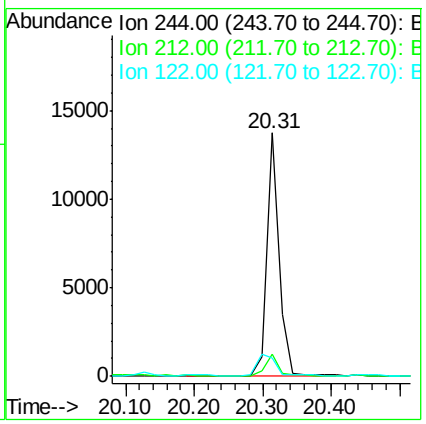


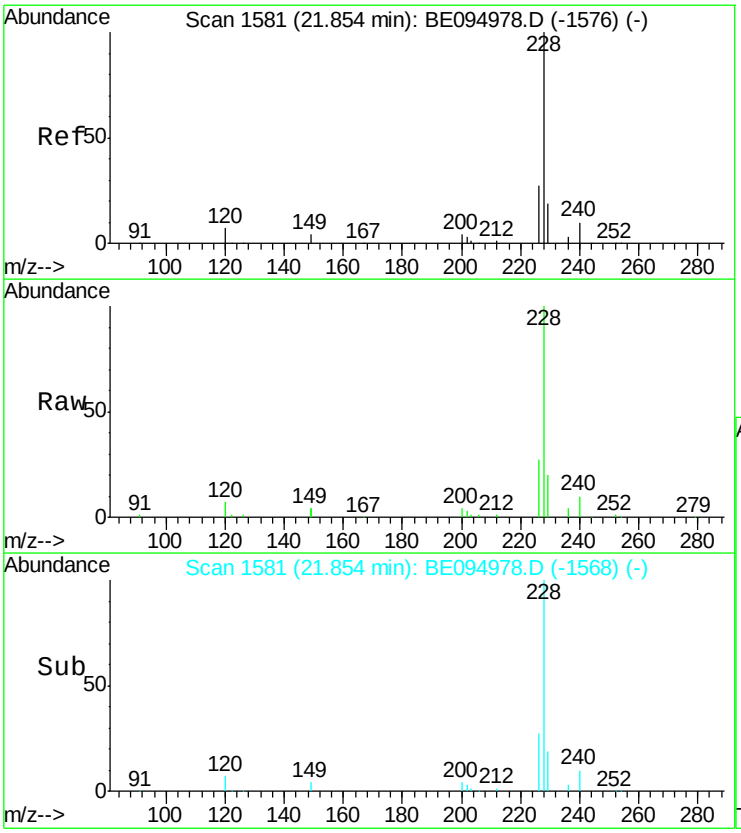
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 20.31 min Scan# 1482
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 17256

Ion	Ratio	Lower	Upper
244	100		
212	9.3	25.4	38.0#
122	7.4	8.1	12.1#

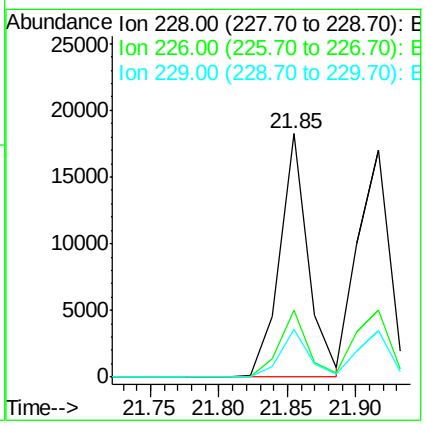


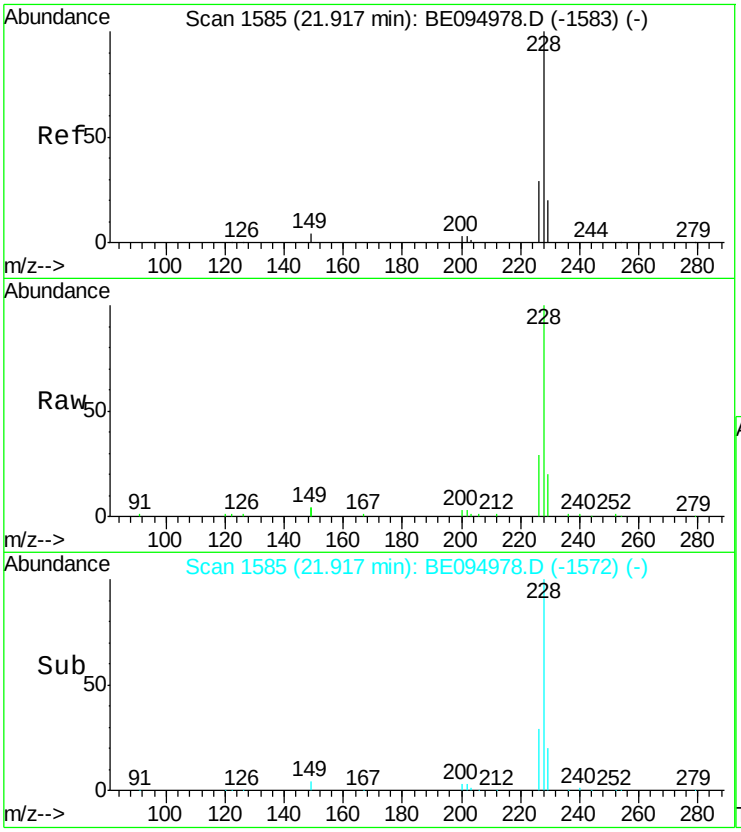


#30
Benzo(a)anthracene
Concen: 0.375 ng
RT: 21.85 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:228 Resp: 26205

Ion	Ratio	Lower	Upper
228	100		
226	27.3	40.0	60.0#
229	19.5	40.0	60.0#



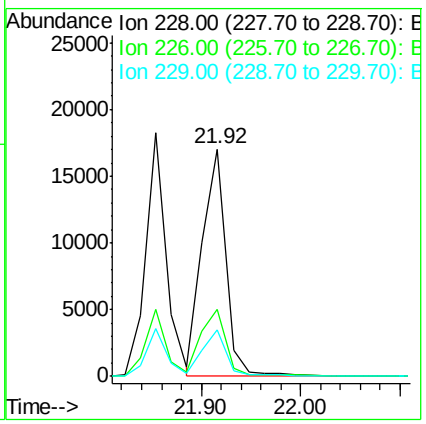


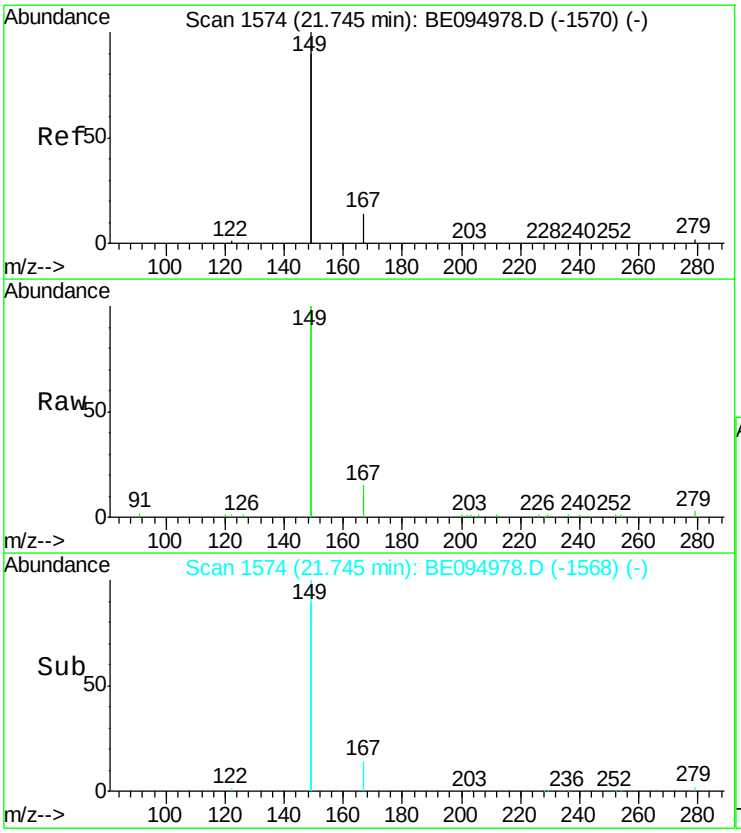
#31
Chrysene
Concen: 0.388 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 29952

Ion	Ratio	Lower	Upper
228	100		
226	29.3	40.0	60.0#
229	20.5	40.0	60.0#

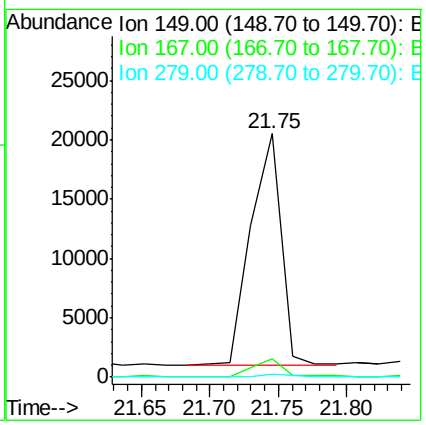


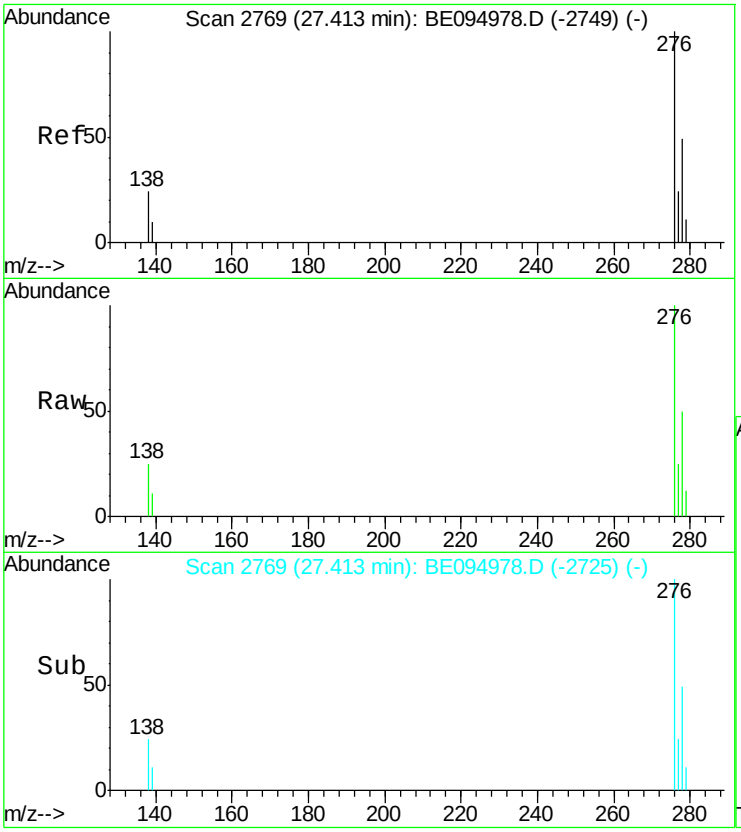


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.261 ng
RT: 21.75 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:149 Resp: 30279

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1



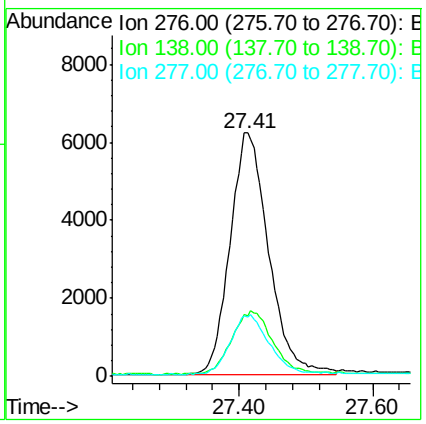


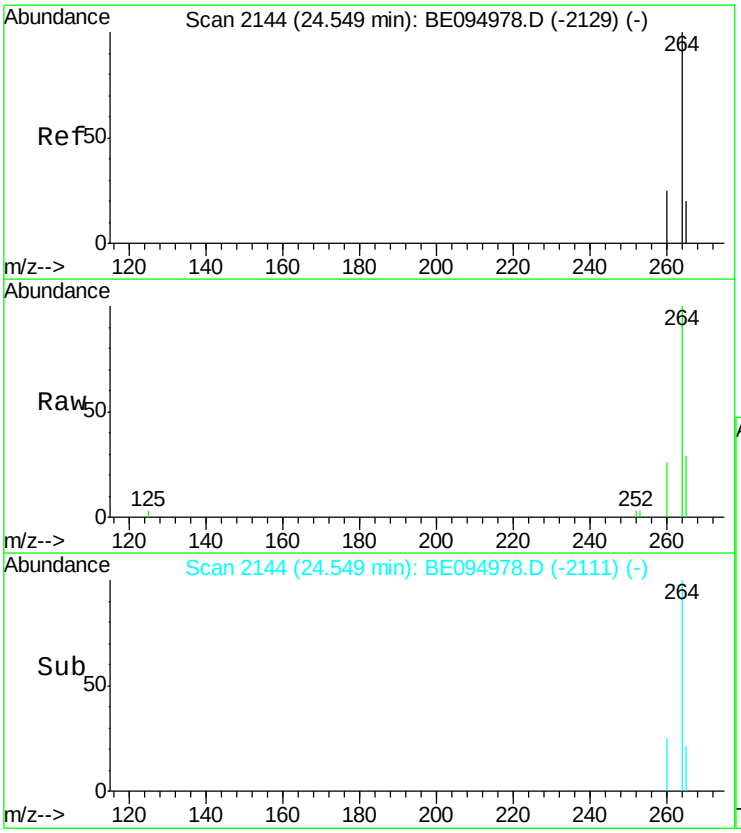
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 27.41 min Scan# 2769
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 24795

Ion	Ratio	Lower	Upper
276	100		
138	27.4	22.5	33.7
277	24.7	19.9	29.9

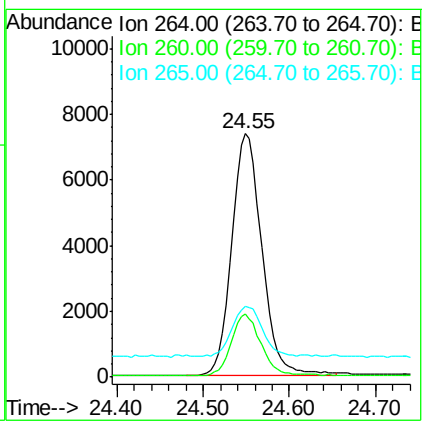


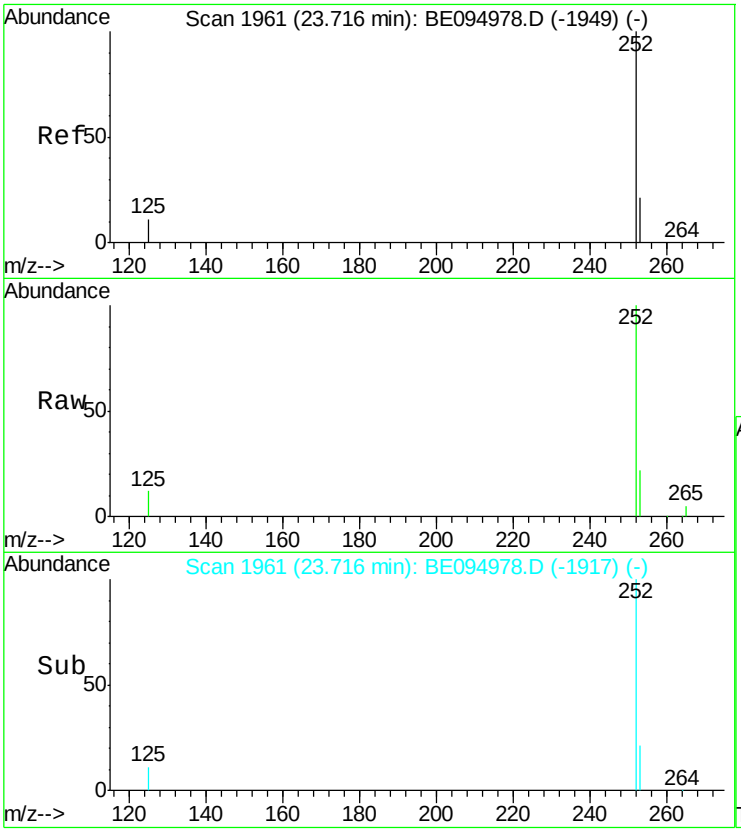


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:264 Resp: 17799

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	29.1	22.8	34.2



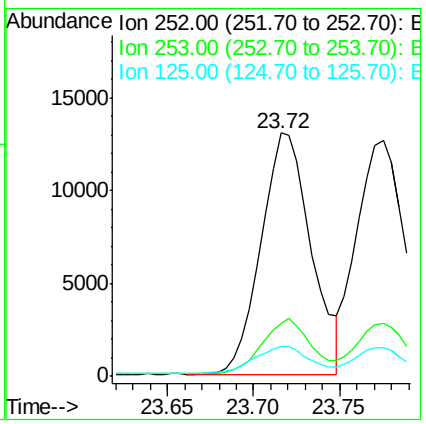


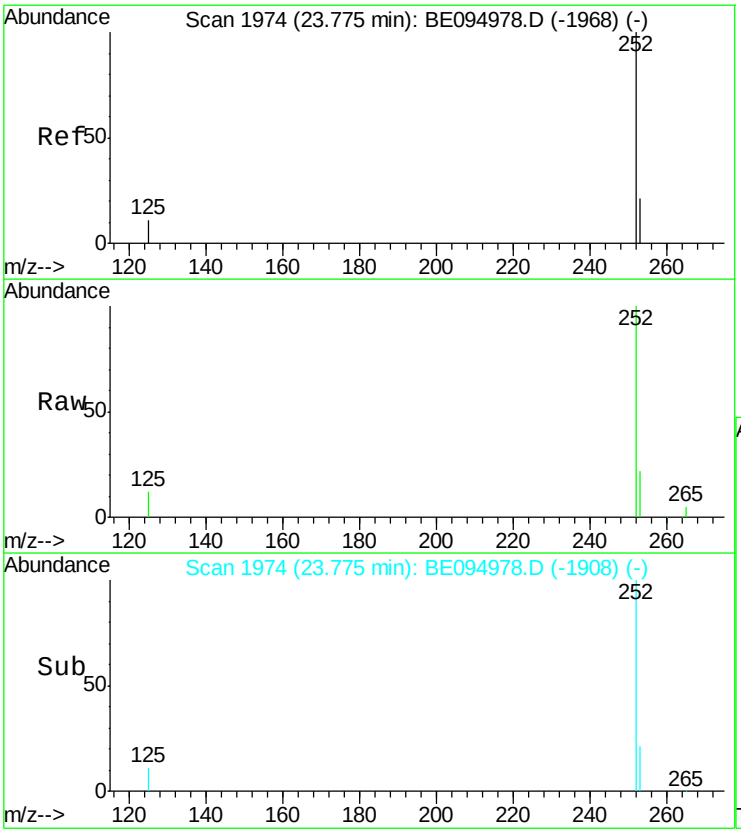
#35
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 23.72 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 26228

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.0	30.0
125	12.3	16.0	24.0#

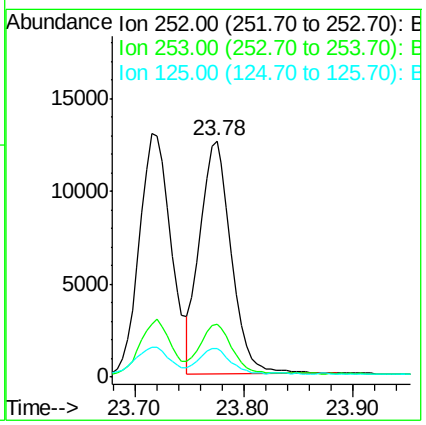


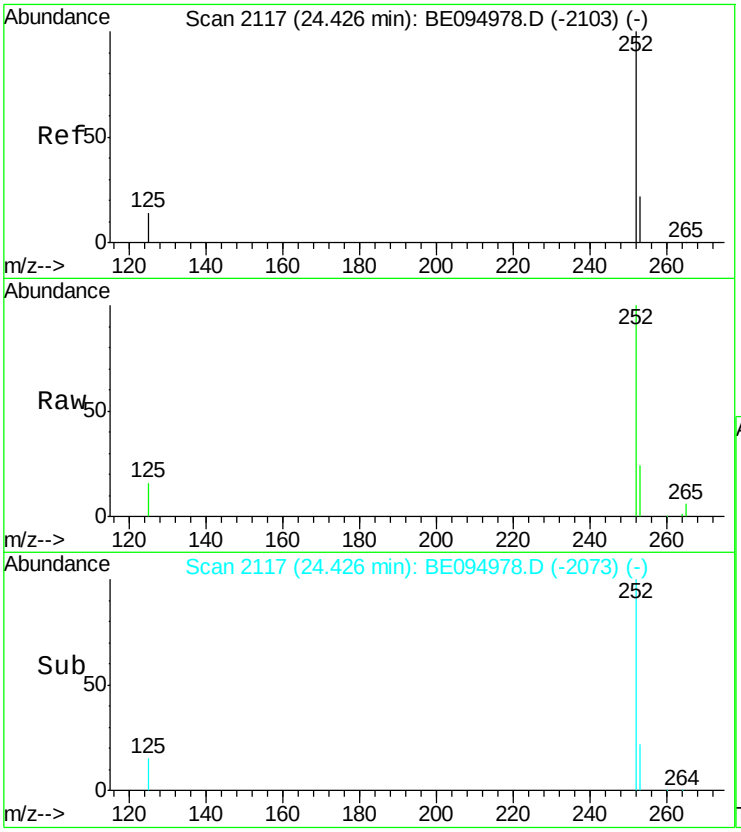


#36
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 23.78 min Scan# 1974
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:252 Resp: 25171

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.0	24.0
125	12.3	8.0	12.0#



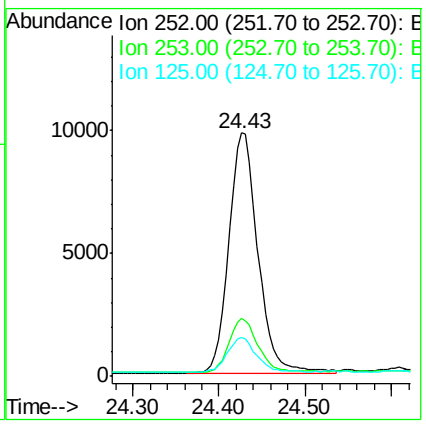


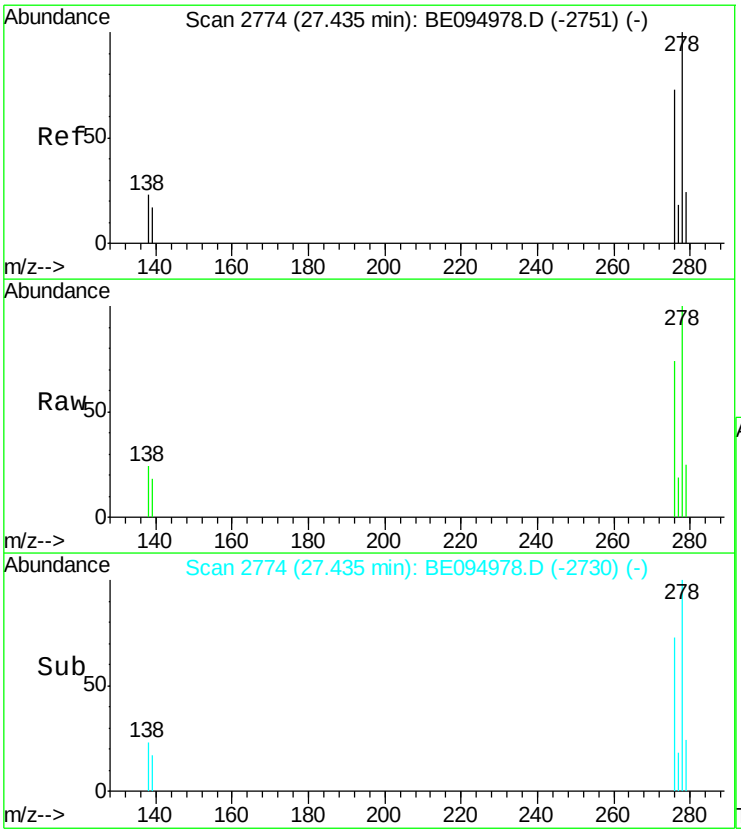
#37
Benzo(a)pyrene
Concen: 0.405 ng
RT: 24.43 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 23051

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	16.0	12.0	18.0

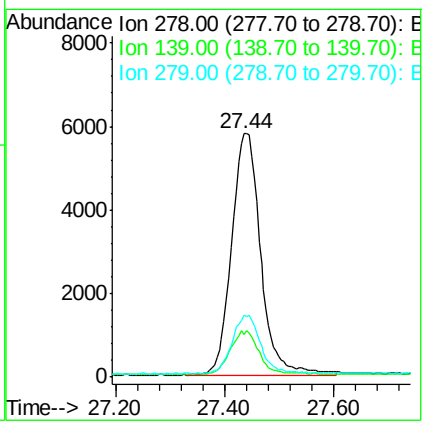


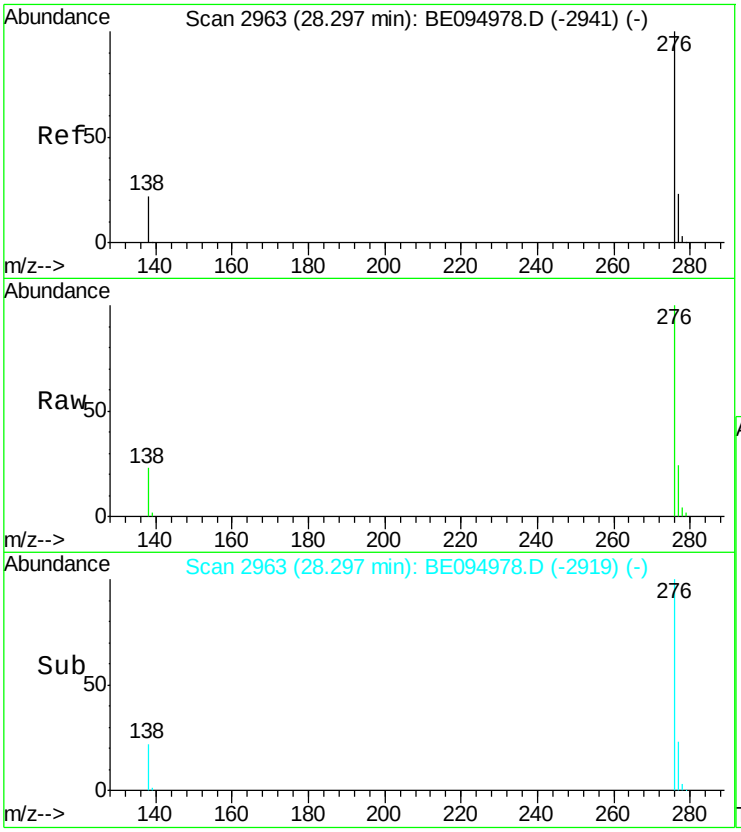


#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 27.44 min Scan# 2774
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Tgt Ion:278 Resp: 21237

Ion	Ratio	Lower	Upper
278	100		
139	17.7	16.0	24.0
279	25.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.399 ng
RT: 28.30 min Scan# 2963
Delta R.T. 0.00 min
Lab File: BE094978.D
Acq: 14 Dec 2017 16:05

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 20960

Ion	Ratio	Lower	Upper
276	100		
277	23.9	16.0	24.0
138	23.1	20.0	30.0