Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE113017\
Data File : BE094894.D
Acq On : 30 Nov 2017 16:12
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE113017

Quant Time: Nov 30 16:46:45 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 30 16:29:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	8214	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	17261	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	9405	0.40	ng		-0.01
19) Phenanthrene-d10	17.77	188	23659	0.40	ng		0.00
27) Chrysene-d12	21.88	240	29153	0.40	ng		0.00
34) Perylene-d12	24.57	264	22568	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	4874	0.37	ng		0.00
5) Phenol-d6	7.59	99	7273	0.38	ng		0.00
8) Nitrobenzene-d5	9.67	82	3909	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.87	152	10905	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	765	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.71	172	16724	0.42	ng		0.00
25) Fluoranthene-d10	19.76	212	129537	0.40	ng		0.00
29) Terphenyl-d14	20.33	244	21678	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.68	88	3208	0.373	ng	#	88
3) n-Nitrosodimethylamine	4.03	42	4073	0.372	ng		81
6) bis(2-Chloroethyl)ether	7.88	93	7465	0.391	ng		96
9) Naphthalene	11.38	128	80733	0.399	ng		99
10) Hexachlorobutadiene	11.64	225	3455	0.405	ng		98
12) 2-Methylnaphthalene	12.94	142	19710	0.392	ng		95
16) Acenaphthylene	14.79	152	20723	0.390	ng		99
17) Acenaphthene	15.13	154	13644	0.397	ng		95
18) Fluorene	16.10	166	17474	0.400	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	5376	0.407	ng	#	71
21) Hexachlorobenzene	17.09	284	5321	0.413	ng	#	79
22) Pentachlorophenol	17.43	266	1207	0.416	ng	#	71
23) Phenanthrene	17.82	178	29902	0.397	ng		98
24) Anthracene	17.91	178	31407	0.393	ng	#	92
26) Fluoranthene	19.79	202	38734	0.400	ng		100
28) Pyrene	20.14	202	39222	0.390	ng		100
30) Benzo(a)anthracene	21.87	228	34459	0.385	ng	#	61
31) Chrysene	21.92	228	39597	0.401	ng	#	64
32) Bis(2-ethylhexyl)phthalate	21.76	149	48319	0.326	ng		99
33) Indeno(1,2,3-cd)pyrene	27.43	276	31193	0.386	ng		98
35) Benzo(b)fluoranthene	23.73	252	33029	0.401	ng	#	40
36) Benzo(k)fluoranthene	23.79	252	33325	0.397	ng	#	41
37) Benzo(a)pyrene	24.44	252	28229	0.391	ng	#	33
38) Dibenzo(a,h)anthracene	27.47	278	26480	0.397	ng	#	43
39) Benzo(g,h,i)perylene	28.33	276	26699	0.401	ng	#	52

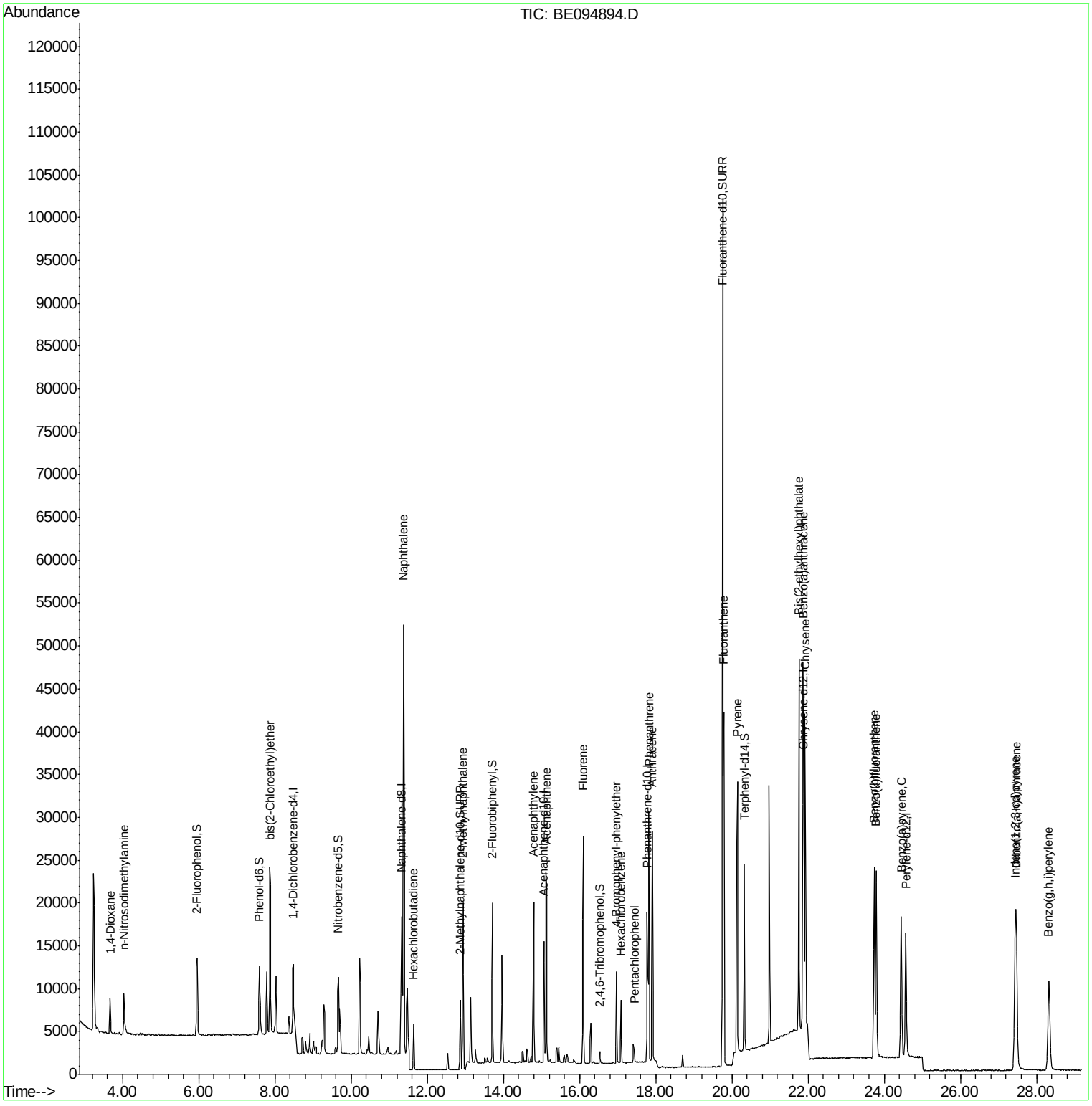
(#) = qualifier out of range (m) = manual integration (+) = signals summed

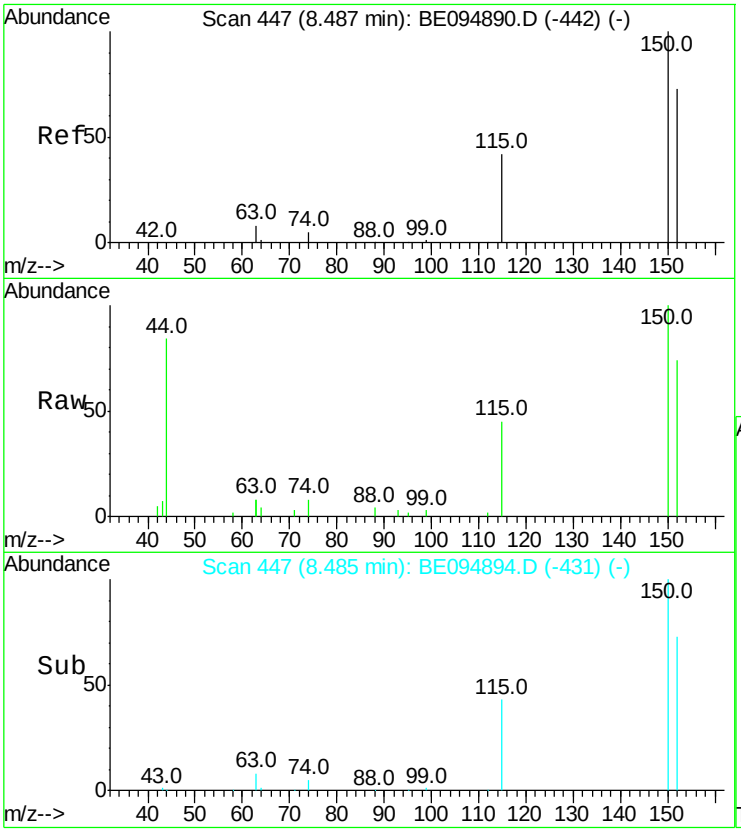
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE113017\
Data File : BE094894.D
Acq On : 30 Nov 2017 16:12
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Quant Time: Nov 30 16:46:45 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 30 16:29:49 2017
Response via : Initial Calibration



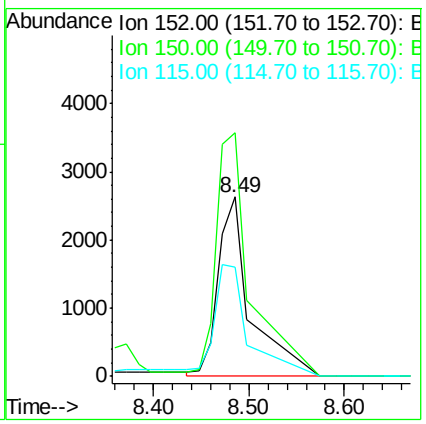


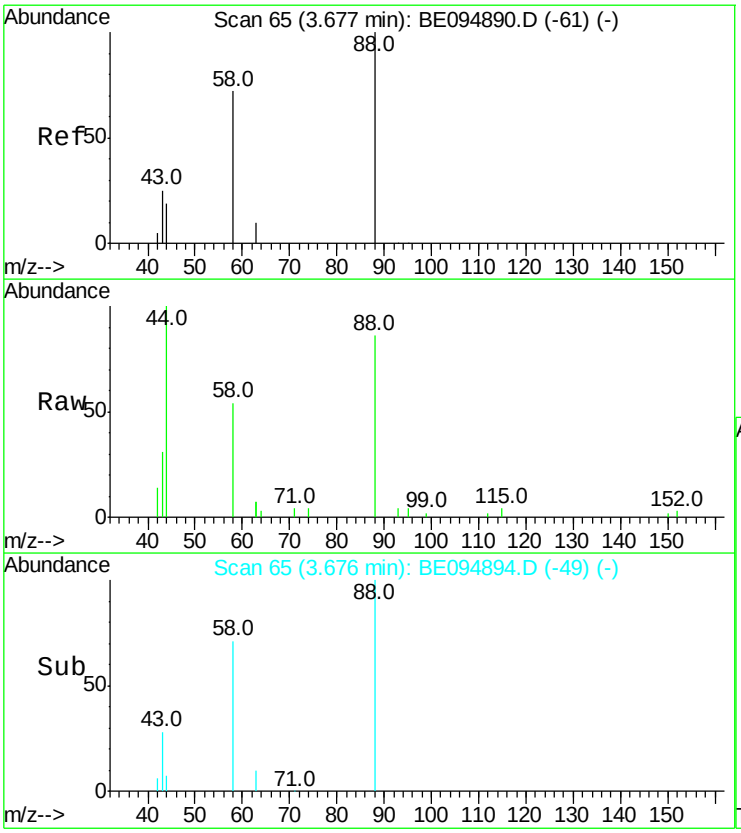
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.49 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:152 Resp: 8214

Ion	Ratio	Lower	Upper
152	100		
150	135.9	117.2	175.8
115	60.9	57.0	85.6

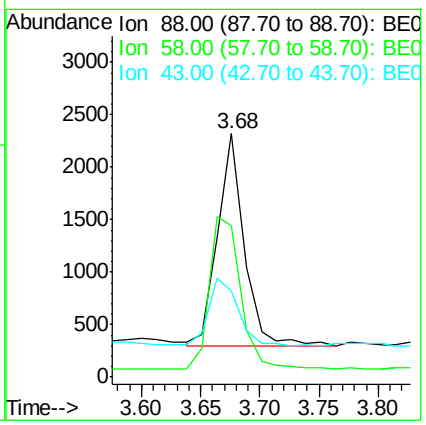


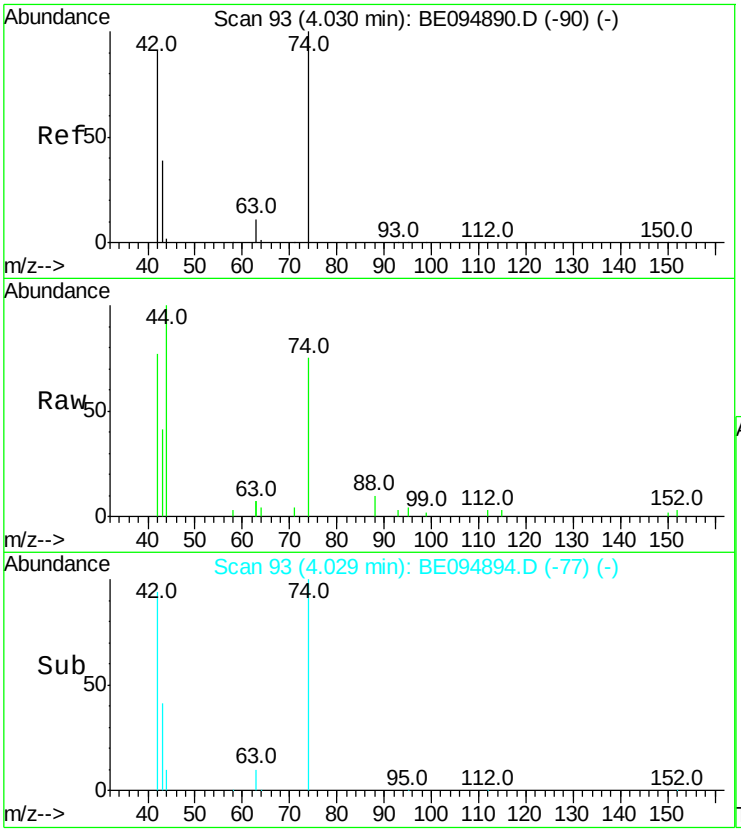


#2
1,4-Dioxane
Concen: 0.373 ng
RT: 3.68 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion: 88 Resp: 3208

Ion	Ratio	Lower	Upper
88	100		
58	84.5	63.2	94.8
43	36.6	41.2	61.8#



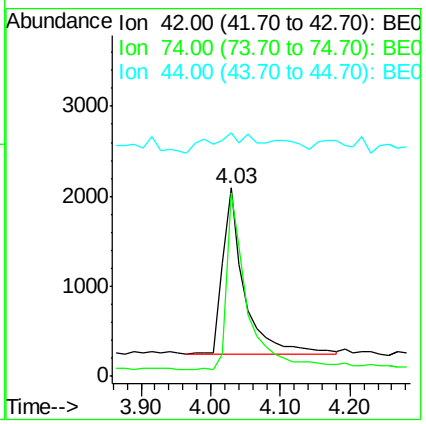


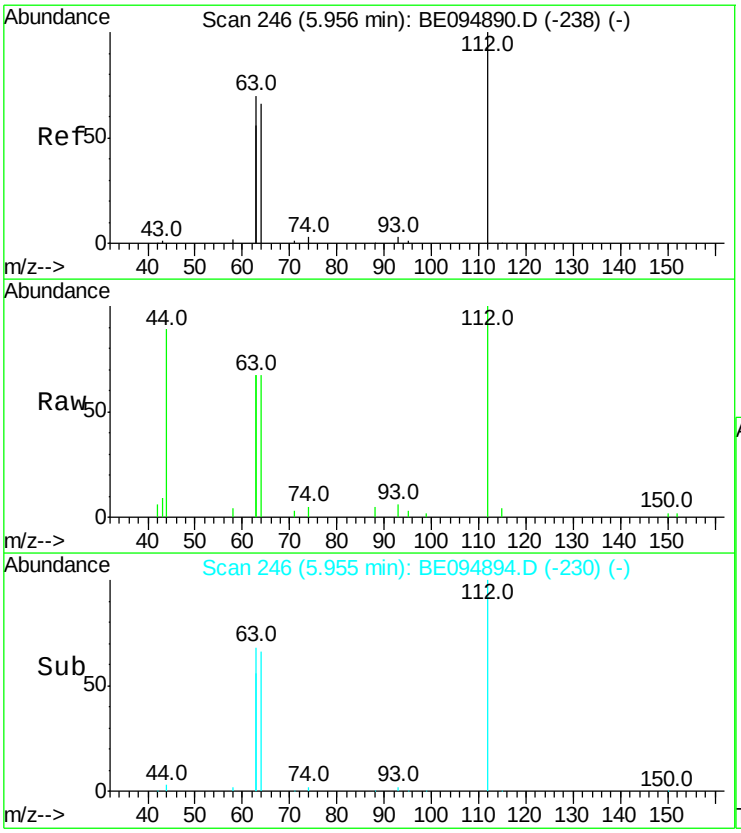
#3
n-Nitrosodimethylamine
Concen: 0.372 ng
RT: 4.03 min Scan# 93
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion: 42 Resp: 4073

Ion	Ratio	Lower	Upper
42	100		
74	101.7	100.3	150.5
44	17.9	17.0	25.4

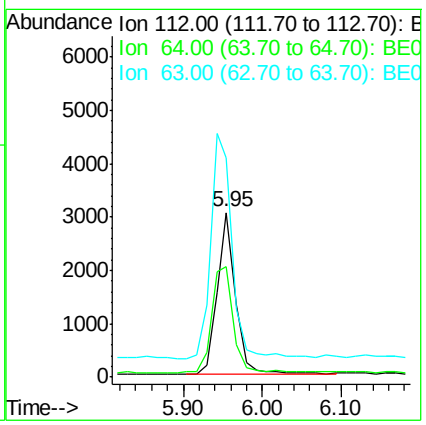


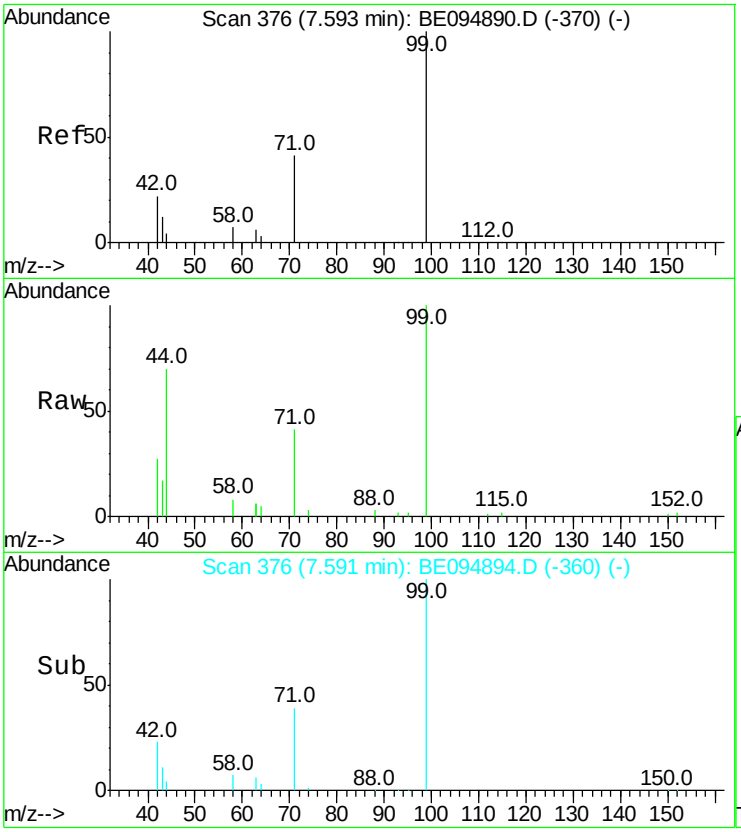


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:112 Resp: 4874

Ion	Ratio	Lower	Upper
112	100		
64	81.6	60.1	90.1
63	164.4	116.8	175.2



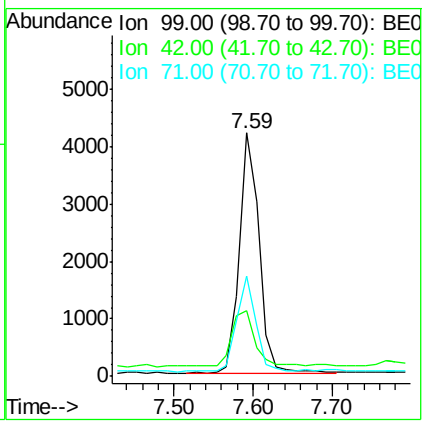


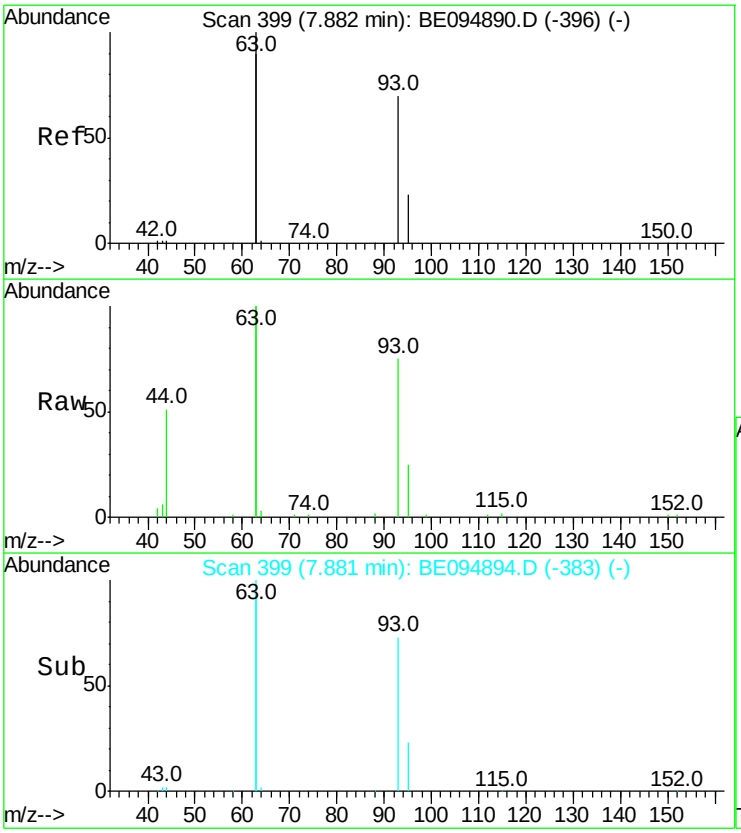
#5
Phenol-d6
Concen: 0.378 ng
RT: 7.59 min Scan# 376
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion: 99 Resp: 7273

Ion	Ratio	Lower	Upper
99	100		
42	27.4	20.2	30.2
71	38.6	28.4	42.6

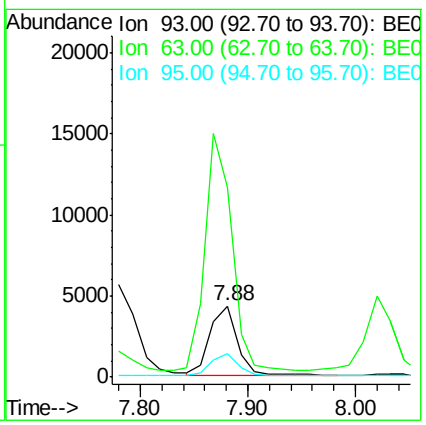


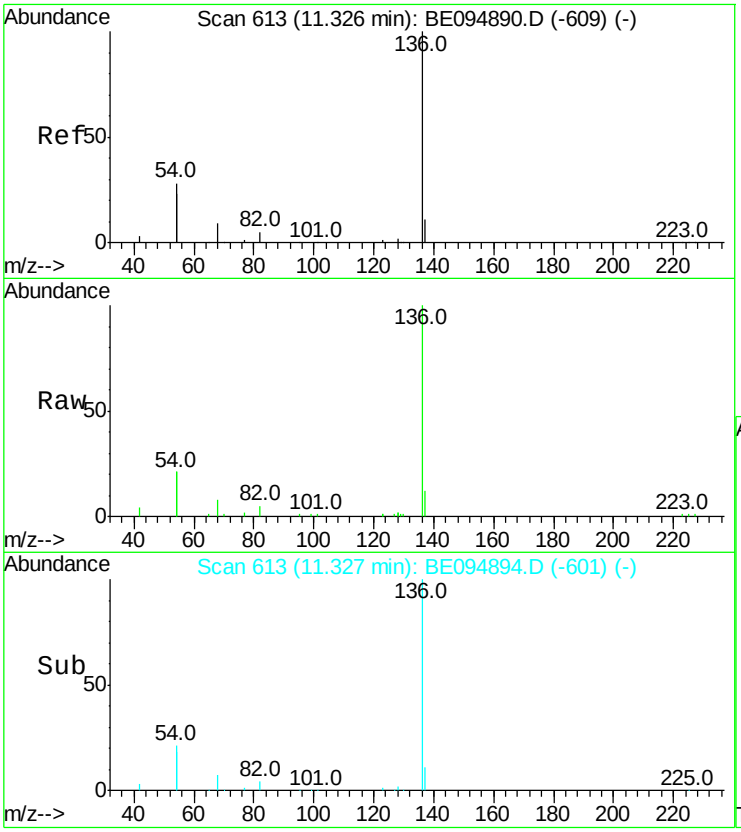


#6
bis(2-Chloroethyl)ether
Concen: 0.391 ng
RT: 7.88 min Scan# 399
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion: 93 Resp: 7465

Ion	Ratio	Lower	Upper
93	100		
63	335.7	275.3	412.9
95	31.7	25.2	37.8



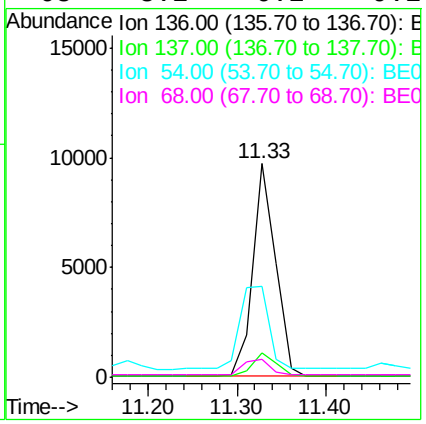


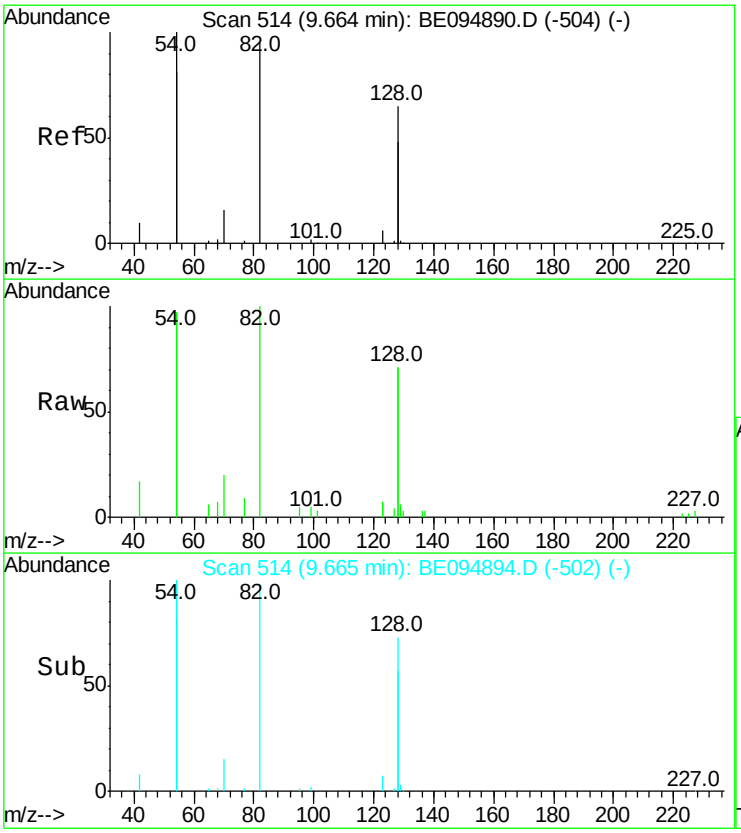
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:136 Resp: 17261

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	42.7	29.1	43.7
68	8.2	6.2	9.2

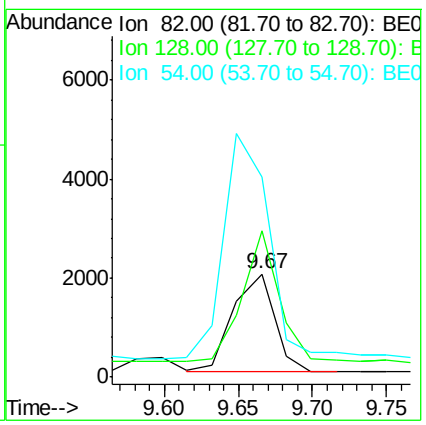


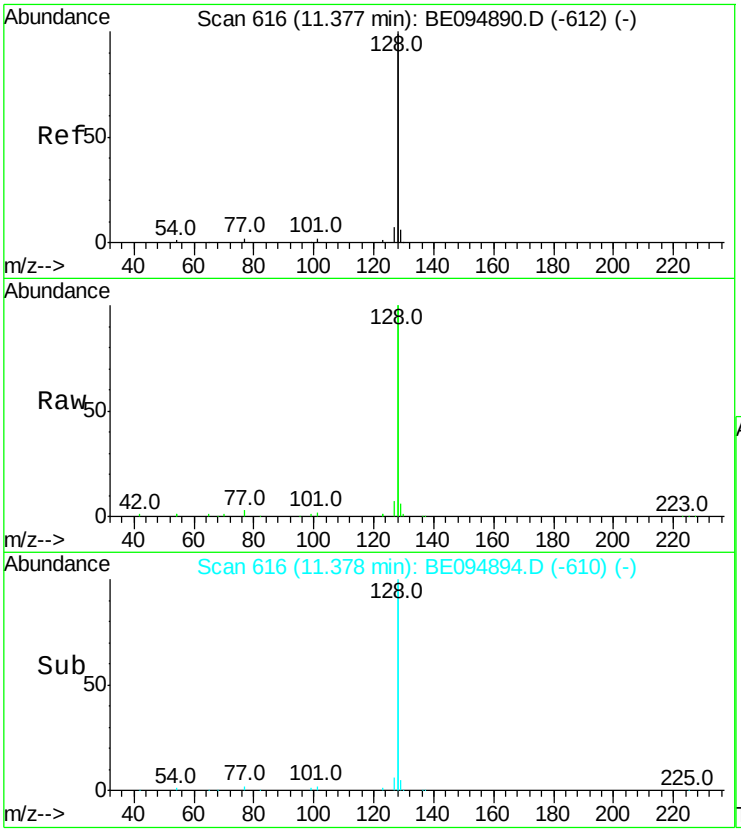


#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 9.67 min Scan# 514
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion: 82 Resp: 3909

Ion	Ratio	Lower	Upper
82	100		
128	142.3	150.0	225.0#
54	194.8	154.2	231.4



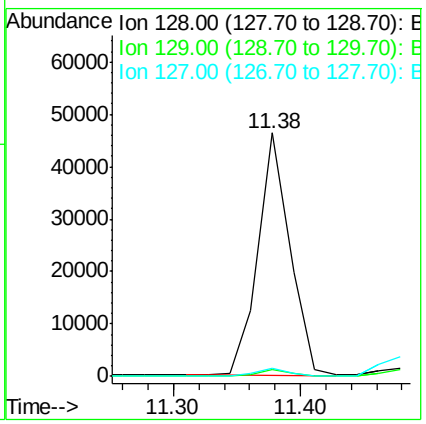


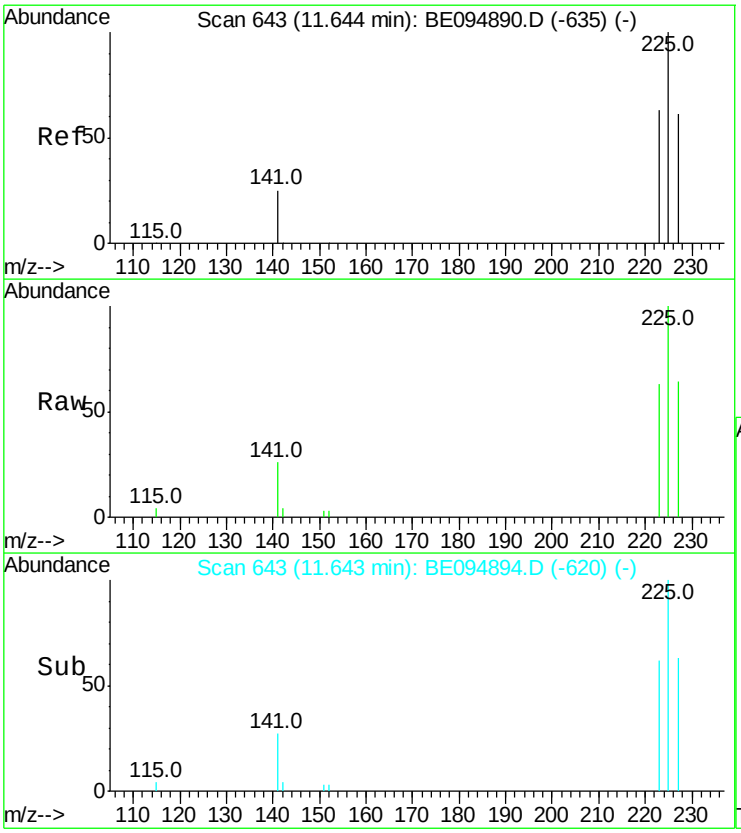
#9
Naphthalene
Concen: 0.399 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:128 Resp: 80733

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

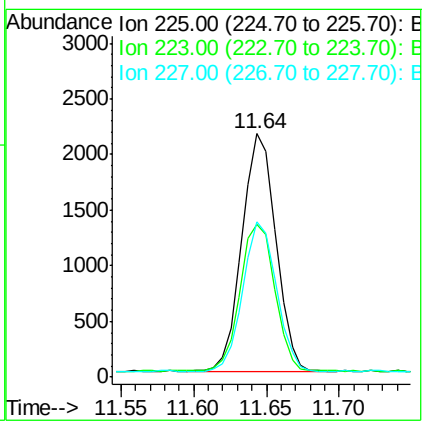


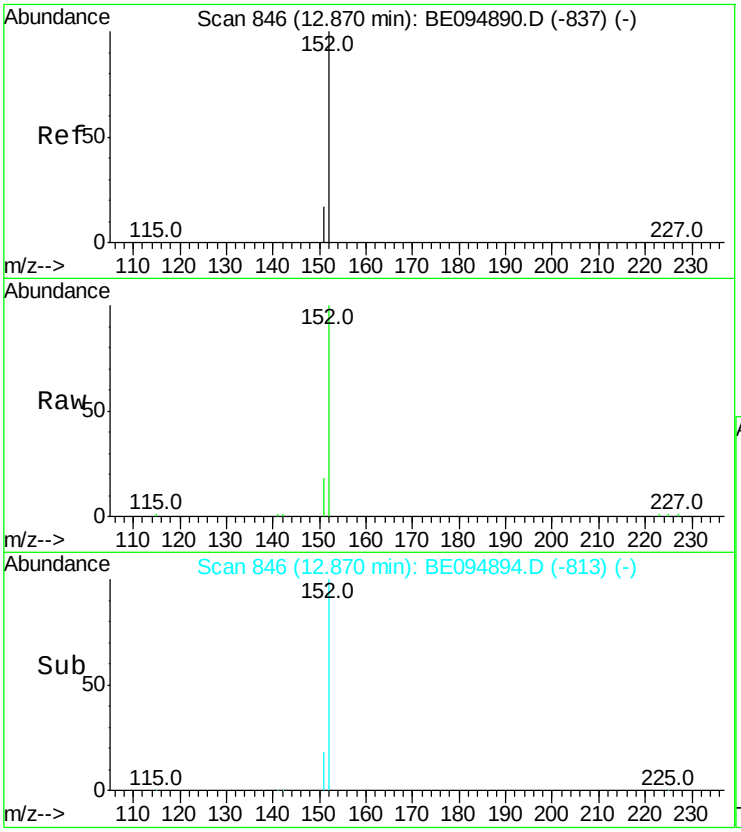


#10
Hexachlorobutadiene
Concen: 0.405 ng
RT: 11.64 min Scan# 643
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:225 Resp: 3455

Ion	Ratio	Lower	Upper
225	100		
223	64.8	53.0	79.6
227	62.5	51.4	77.2



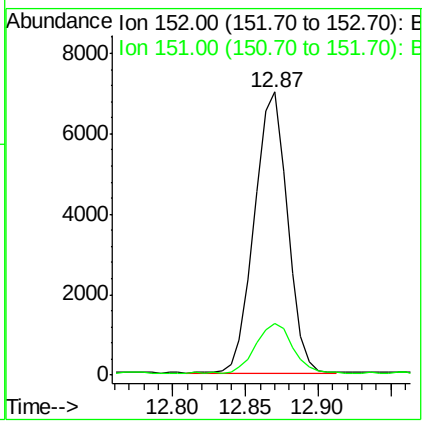


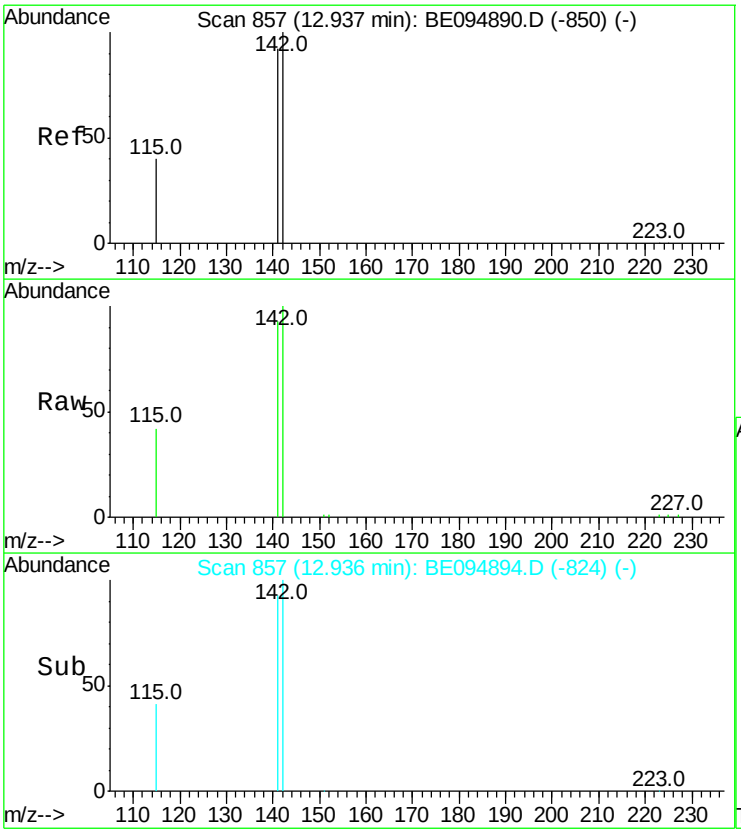
#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:152 Resp: 10905

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

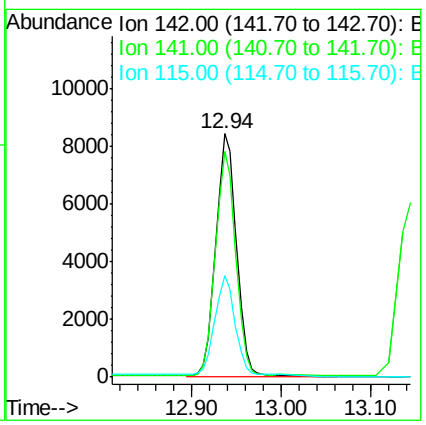


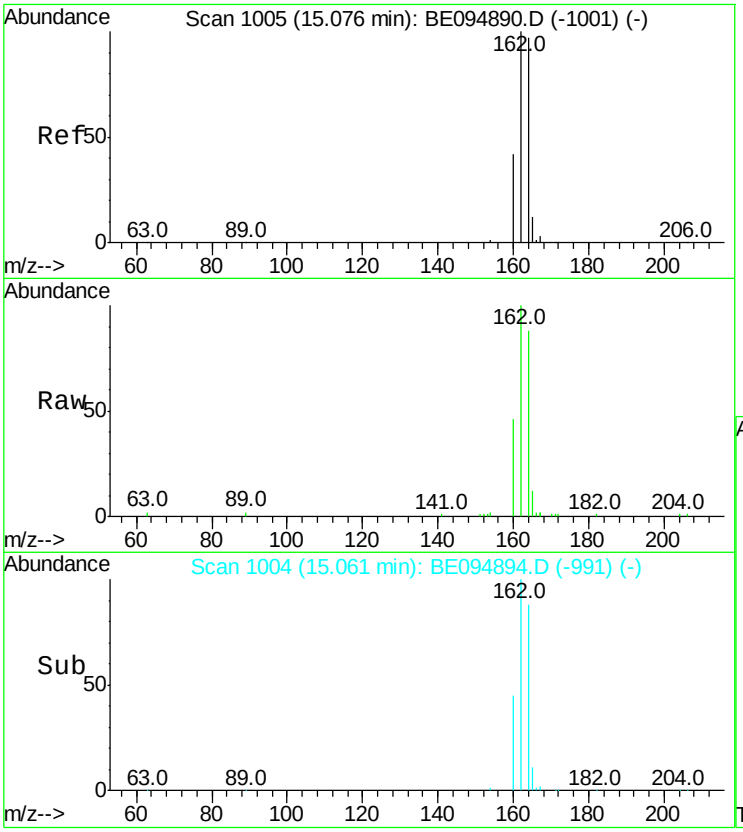


#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 12.94 min Scan# 857
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:142 Resp: 19710

Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.4	105.6
115	41.6	31.7	47.5



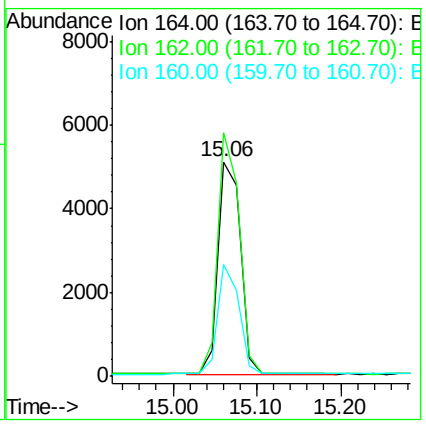


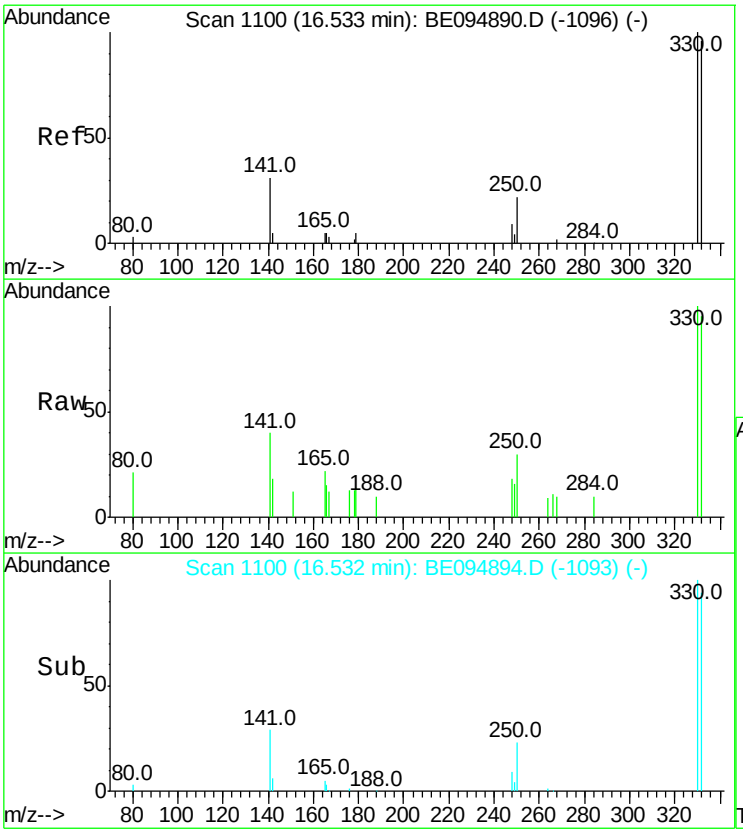
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:164 Resp: 9405

Ion	Ratio	Lower	Upper
164	100		
162	113.6	83.1	124.7
160	51.9	37.1	55.7

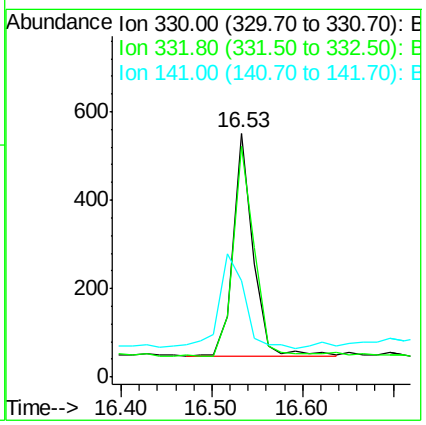


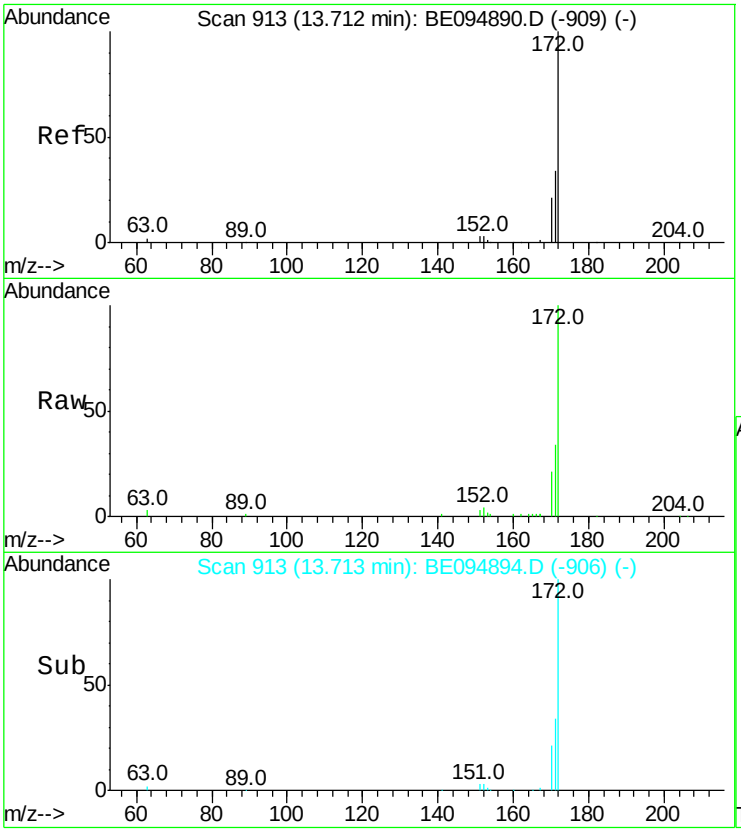


#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:330 Resp: 765

Ion	Ratio	Lower	Upper
330	100		
332	104.4	152.7	229.1#
141	56.7	33.7	50.5#



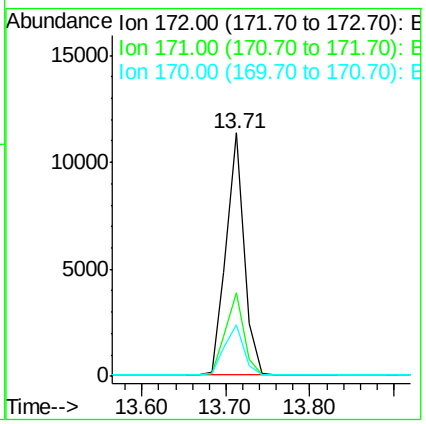


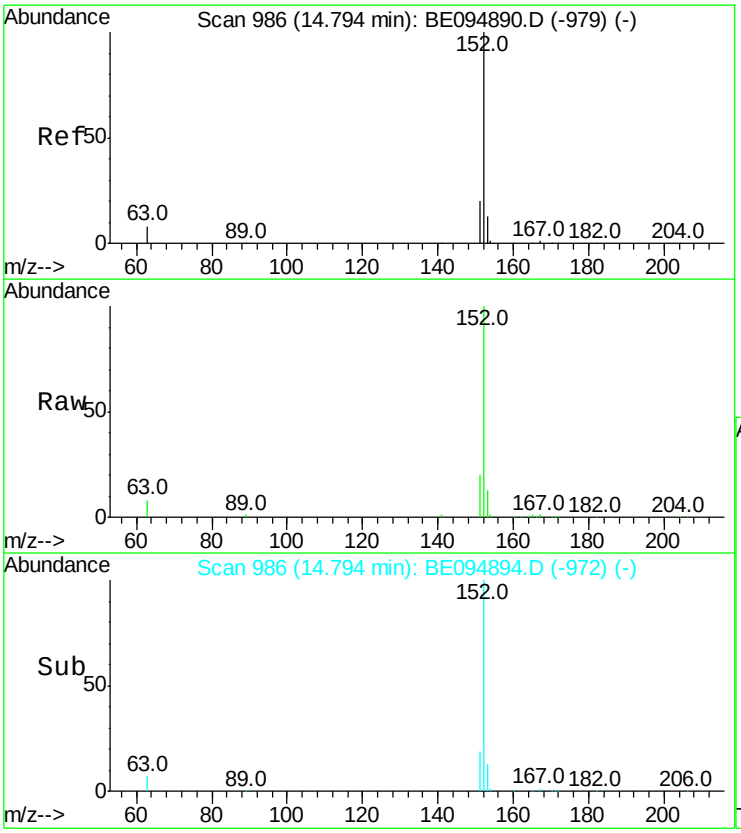
#15
2-Fluorobiphenyl
Concen: 0.415 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:172 Resp: 16724

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.9	44.9
170	21.2	21.8	32.8#

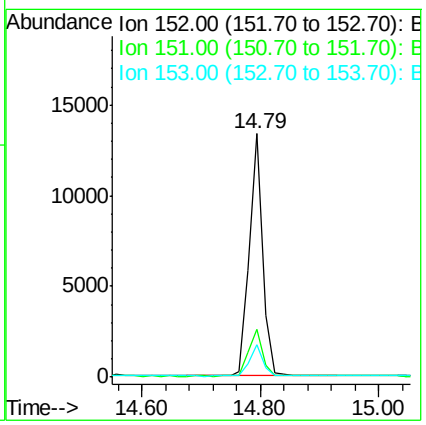


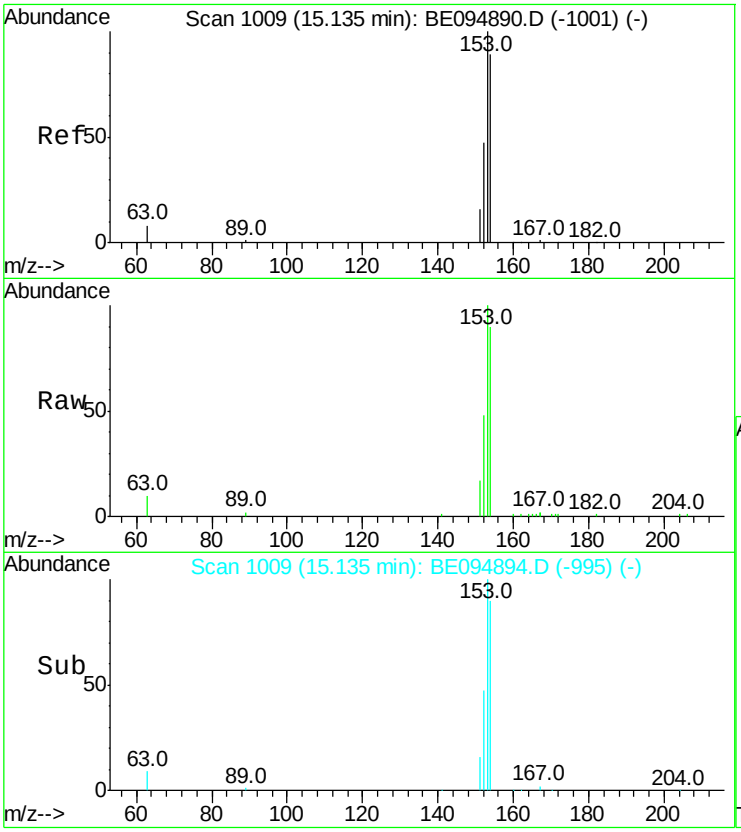


#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:152 Resp: 20723

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.7	10.5	15.7



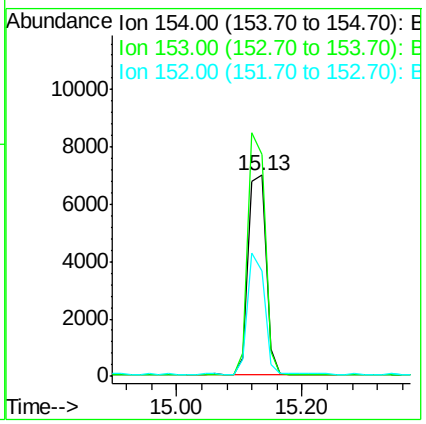


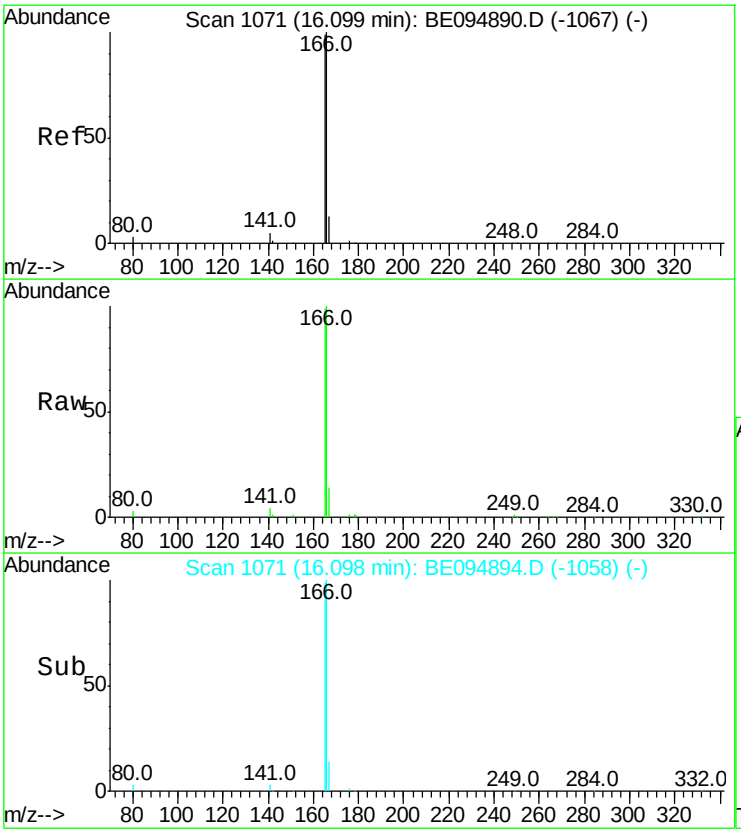
#17
Acenaphthene
Concen: 0.397 ng
RT: 15.13 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:154 Resp: 13644

Ion	Ratio	Lower	Upper
154	100		
153	116.0	89.2	133.8
152	57.4	42.0	63.0

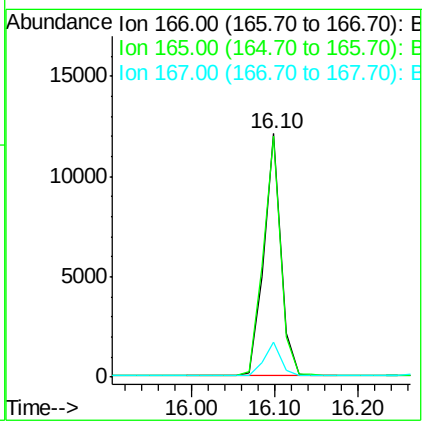


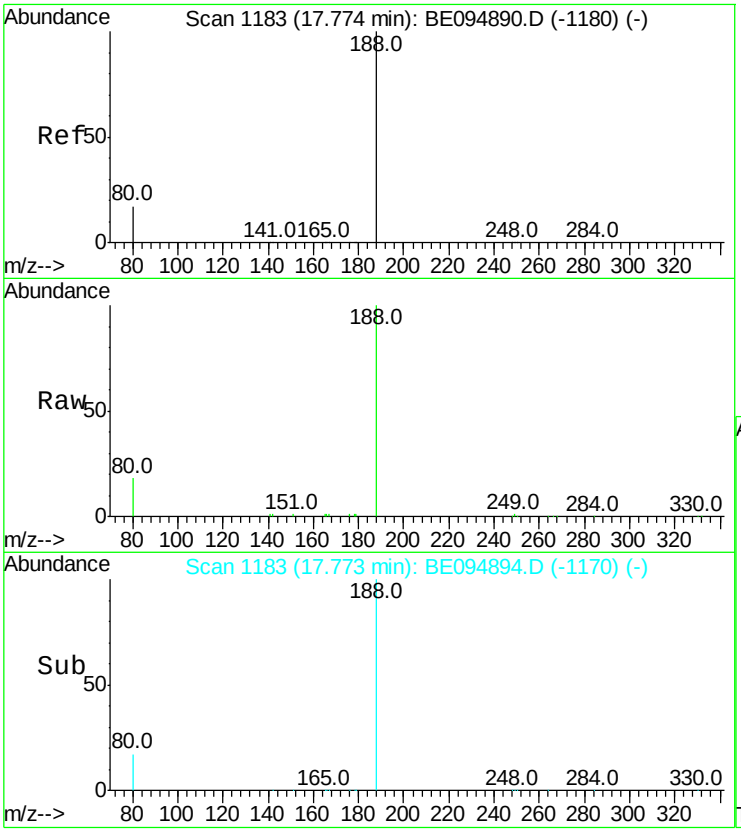


#18
Fluorene
Concen: 0.400 ng
RT: 16.10 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:166 Resp: 17474

Ion	Ratio	Lower	Upper
166	100		
165	101.1	77.8	116.6
167	14.0	42.4	63.6#



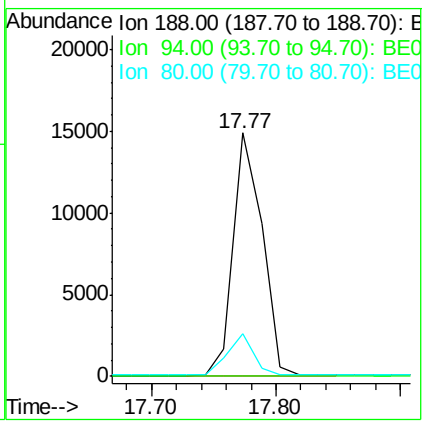


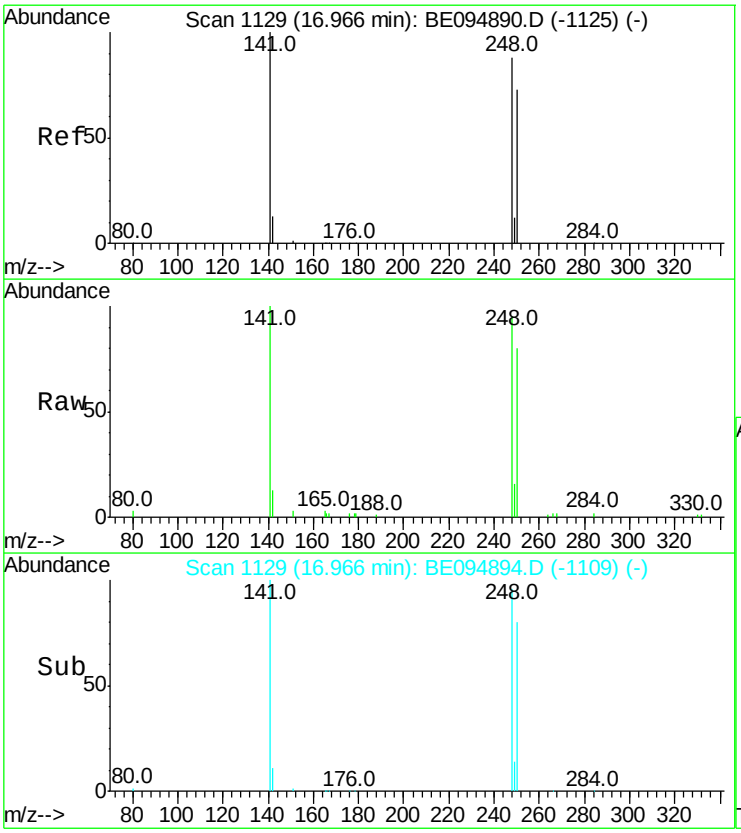
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:188 Resp: 23659

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	17.5	3.6	5.4#

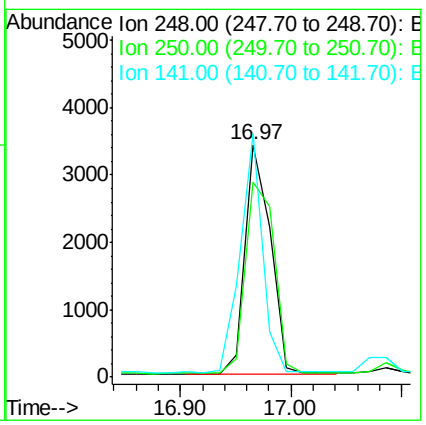


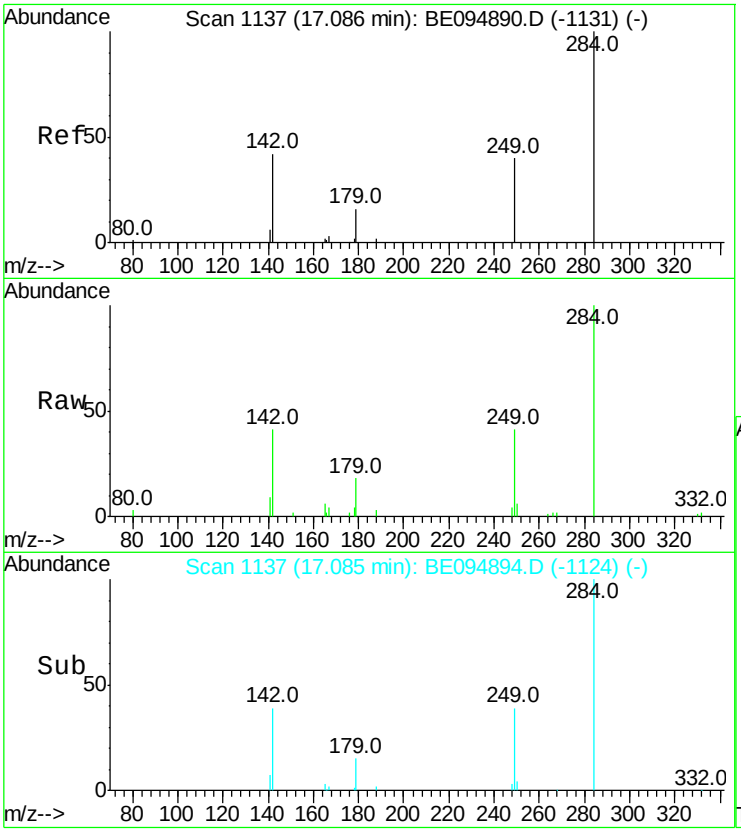


#20
4-Bromophenyl-phenylether
Concen: 0.407 ng
RT: 16.97 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:248 Resp: 5376

Ion	Ratio	Lower	Upper
248	100		
250	84.0	62.7	94.1
141	104.7	48.2	72.2#



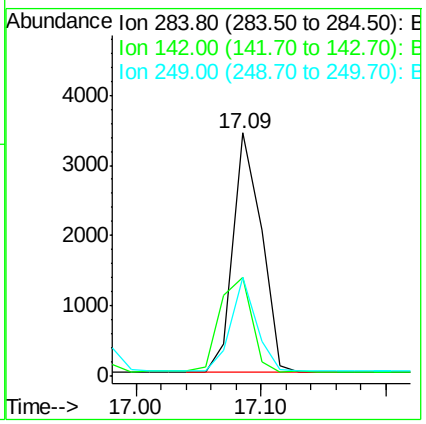


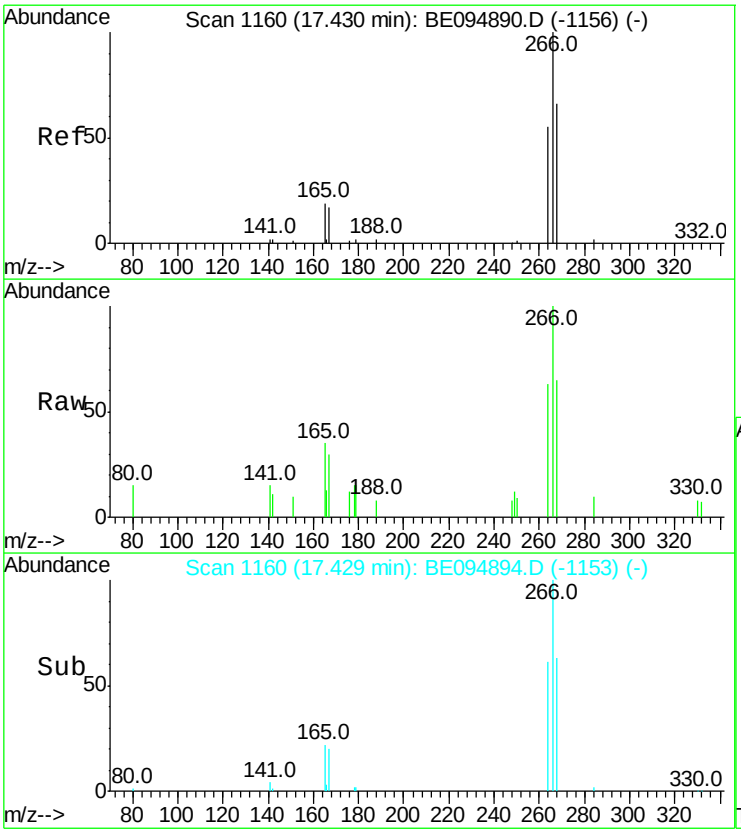
#21
Hexachlorobenzene
Concen: 0.413 ng
RT: 17.09 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:284 Resp: 5321

Ion	Ratio	Lower	Upper
284	100		
142	45.4	22.1	33.1#
249	35.3	34.8	52.2

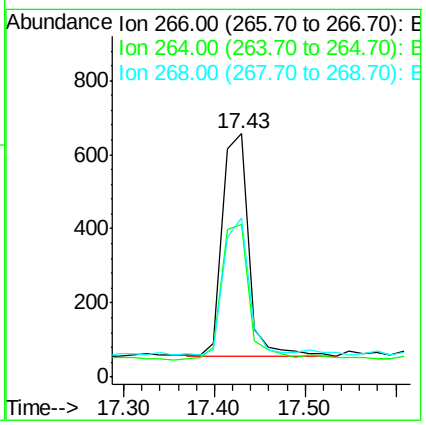


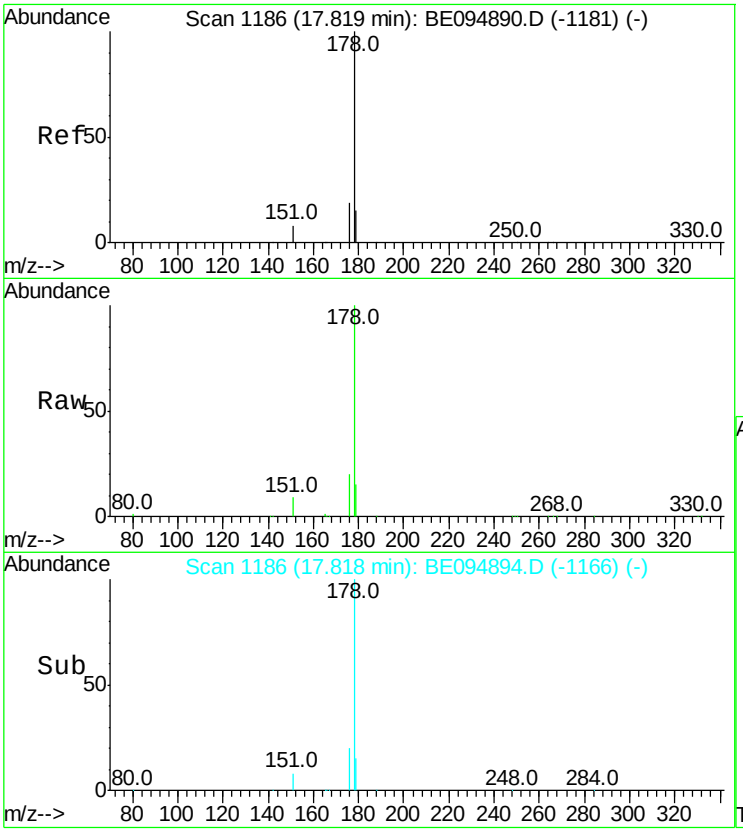


#22
Pentachlorophenol
Concen: 0.416 ng
RT: 17.43 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:266 Resp: 1207

Ion	Ratio	Lower	Upper
266	100		
264	62.7	72.5	108.7#
268	65.4	73.8	110.6#



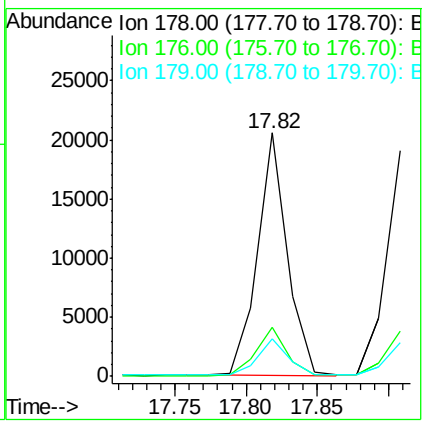


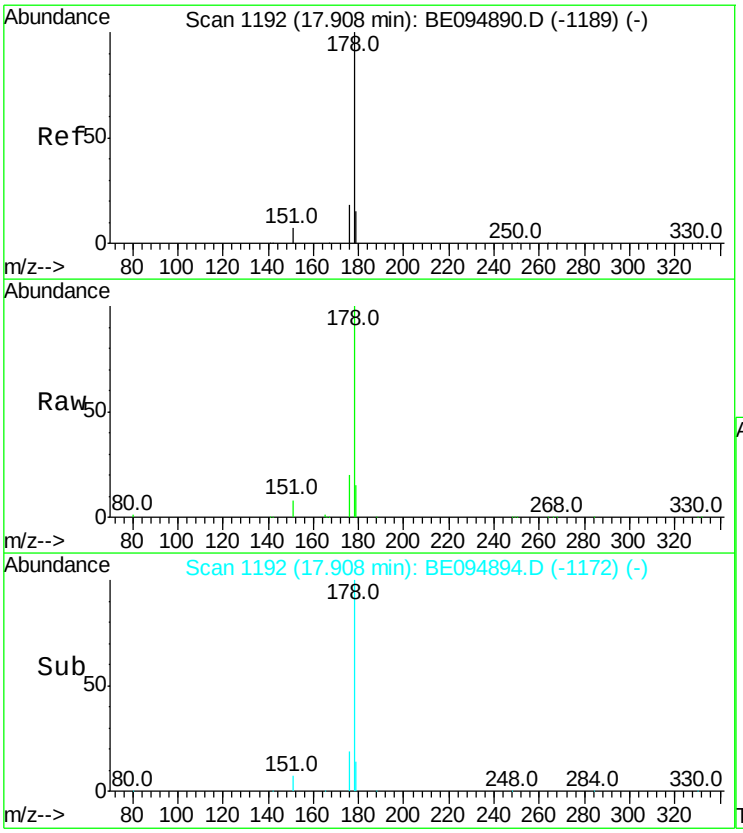
#23
Phenanthrene
Concen: 0.397 ng
RT: 17.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:178 Resp: 29902

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.1	22.7
179	15.3	11.8	17.6

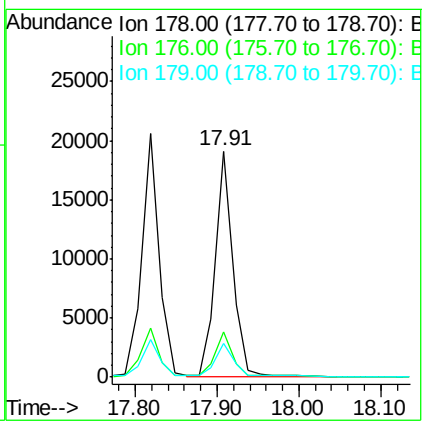


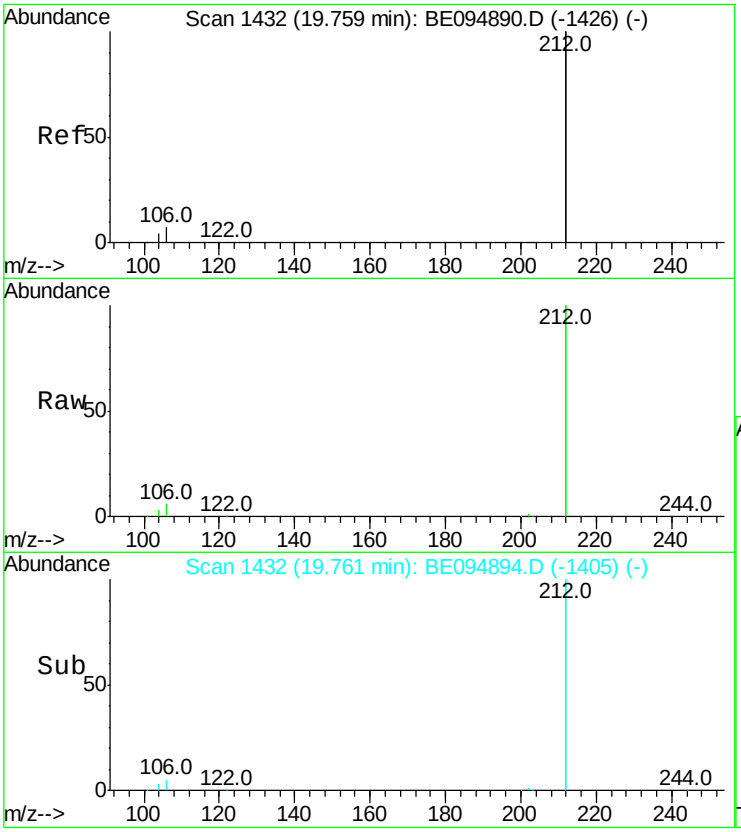


#24
Anthracene
Concen: 0.393 ng
RT: 17.91 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:178 Resp: 31407

Ion	Ratio	Lower	Upper
178	100		
176	21.2	12.8	19.2#
179	17.7	13.0	19.6



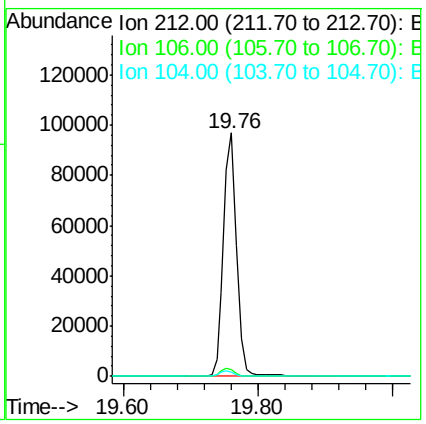


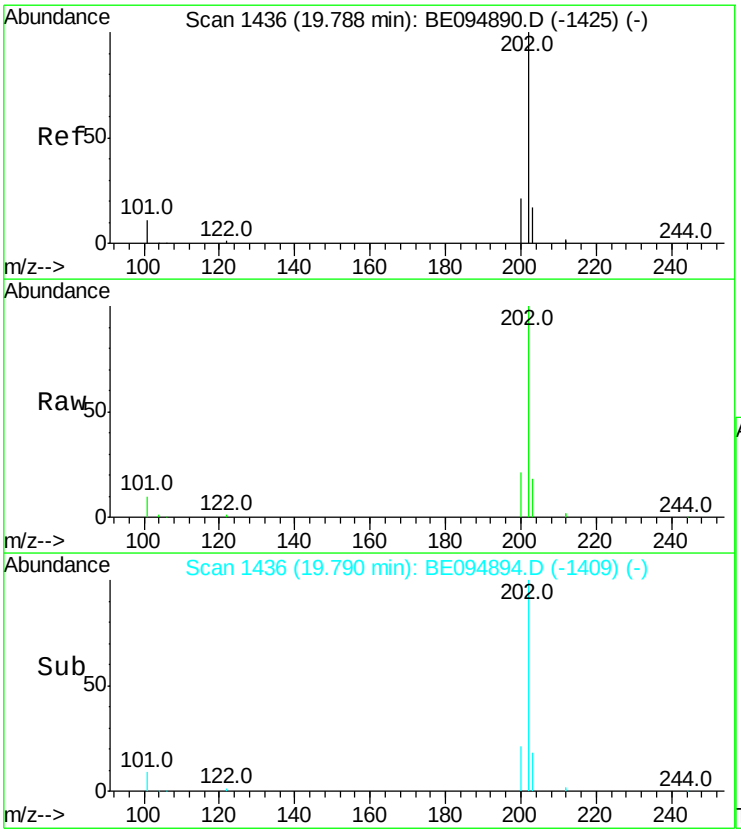
#25
Fluoranthene-d10
Concen: 0.401 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:212 Resp: 129537

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

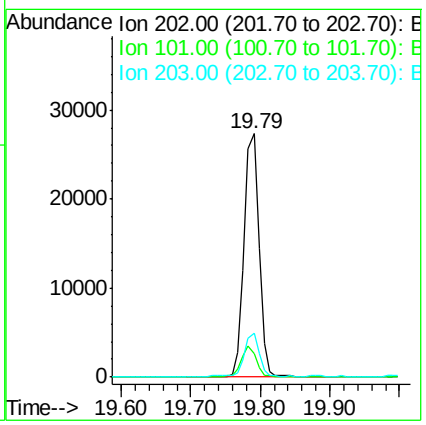


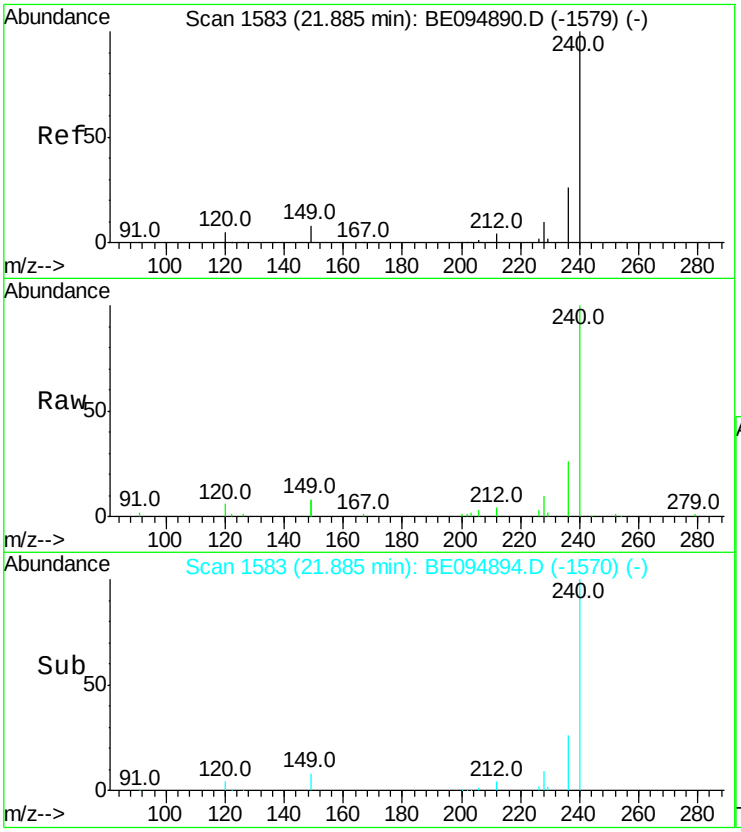


#26
Fluoranthene
Concen: 0.400 ng
RT: 19.79 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:202 Resp: 38734

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.1	13.7	20.5



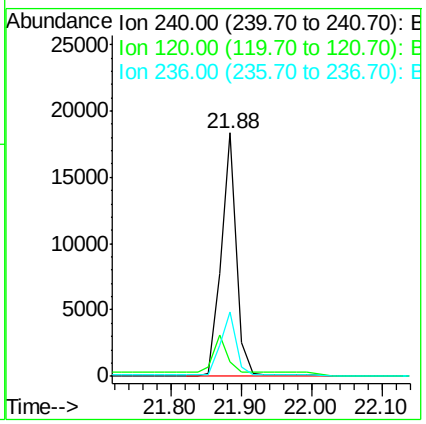


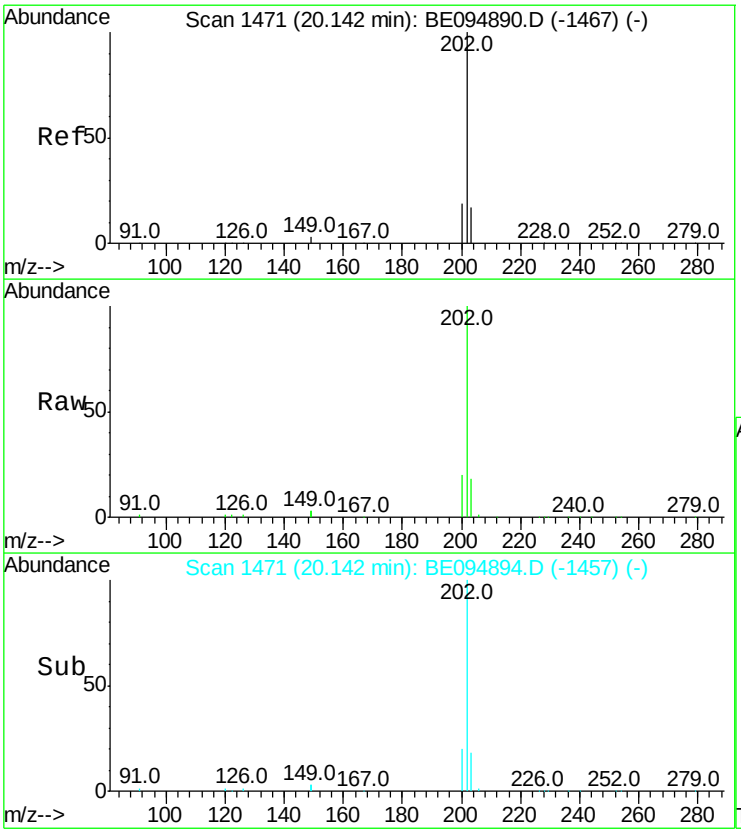
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:240 Resp: 29153

Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.5	8.3
236	26.2	20.7	31.1

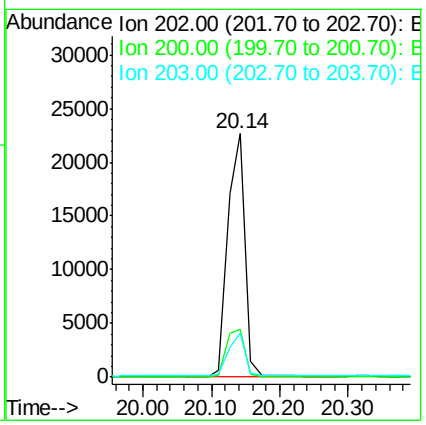


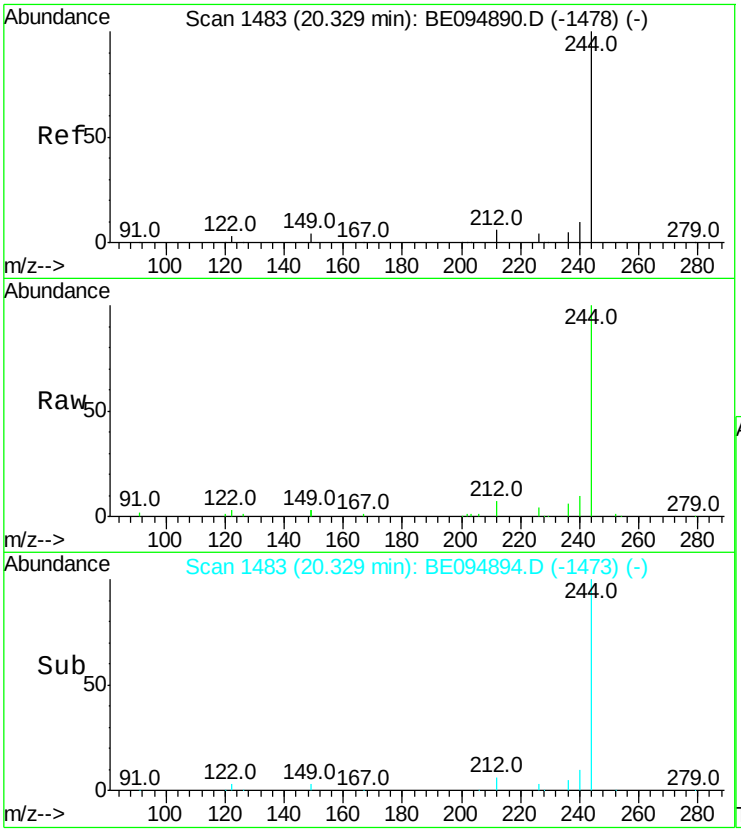


#28
Pyrene
Concen: 0.390 ng
RT: 20.14 min Scan# 1471
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:202 Resp: 39222

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.3	13.8	20.8



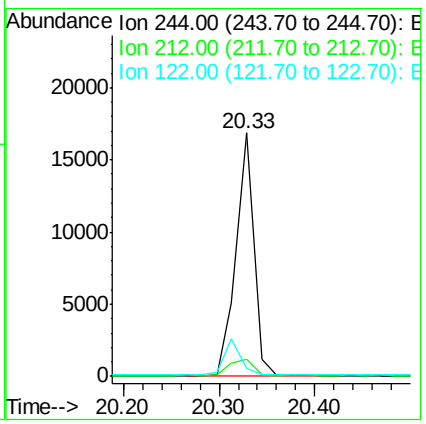


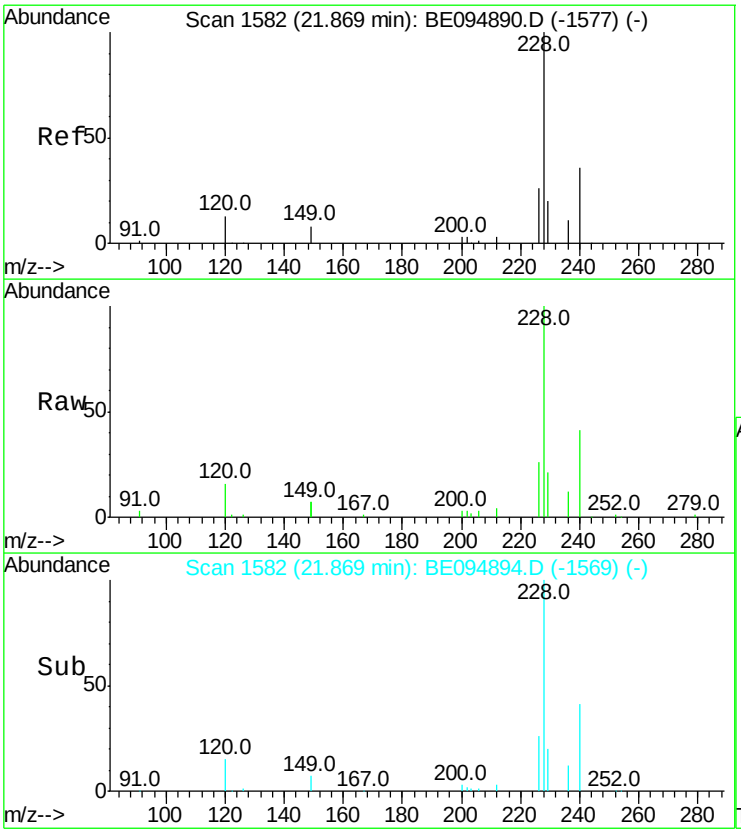
#29
Terphenyl-d14
Concen: 0.403 ng
RT: 20.33 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:244 Resp: 21678

Ion	Ratio	Lower	Upper
244	100		
212	6.9	25.4	38.0#
122	3.4	8.1	12.1#

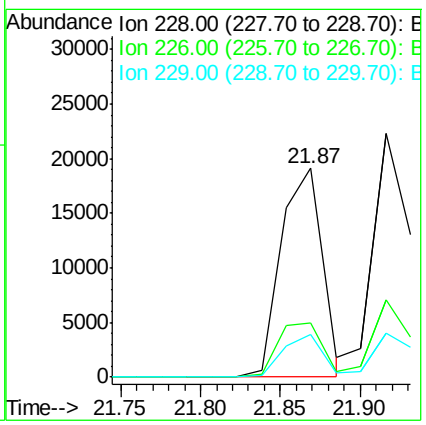


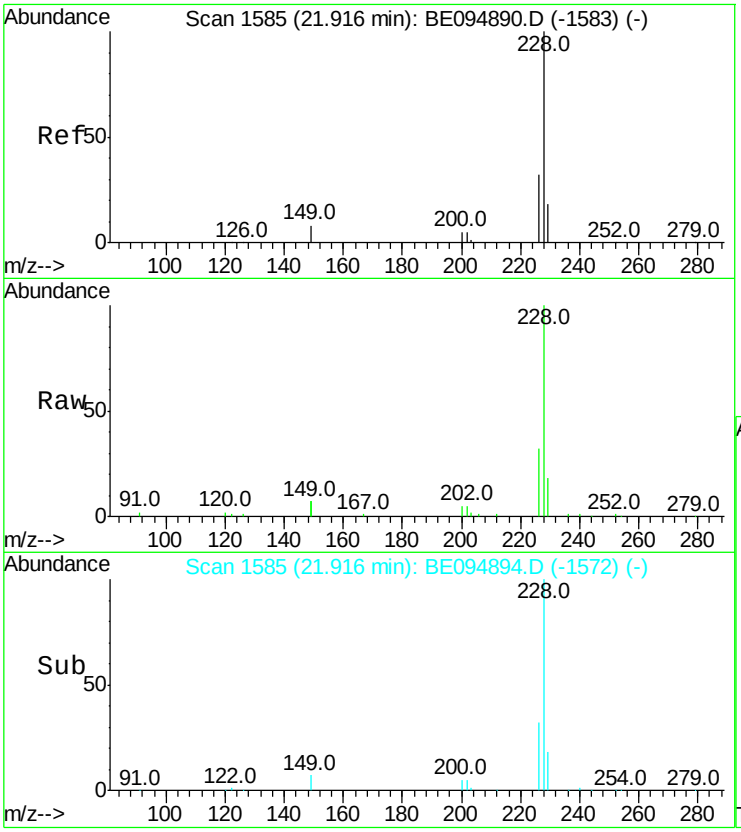


#30
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:228 Resp: 34459

Ion	Ratio	Lower	Upper
228	100		
226	25.9	40.0	60.0#
229	20.6	40.0	60.0#



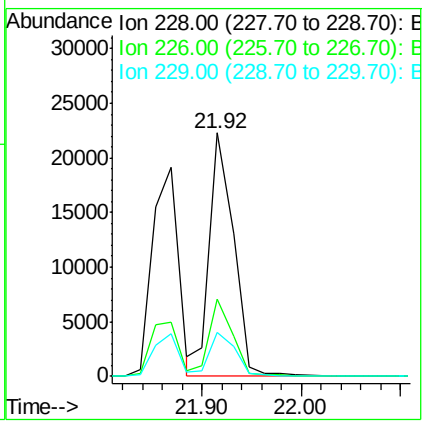


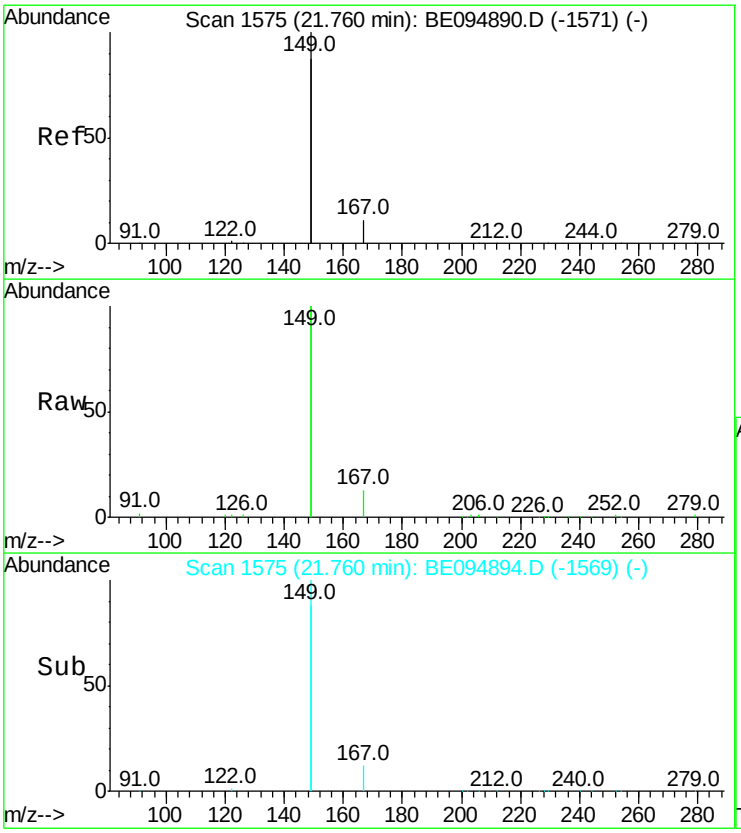
#31
Chrysene
Concen: 0.401 ng
RT: 21.92 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:228 Resp: 39597

Ion	Ratio	Lower	Upper
228	100		
226	31.8	40.0	60.0#
229	18.0	40.0	60.0#

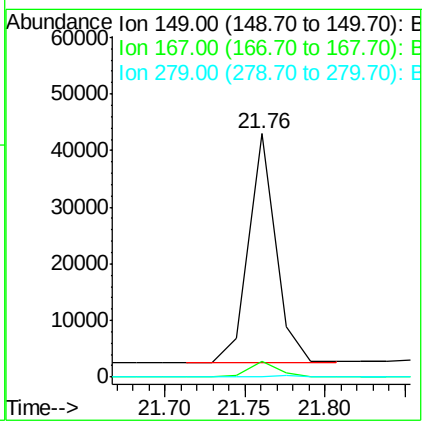


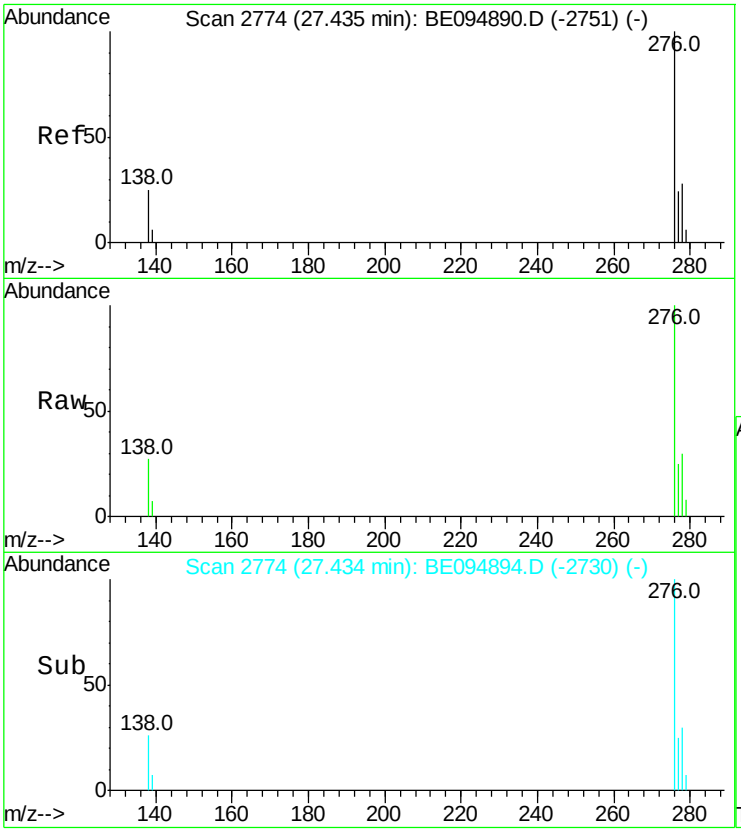


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.326 ng
RT: 21.76 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:149 Resp: 48319

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.8	0.7	1.1



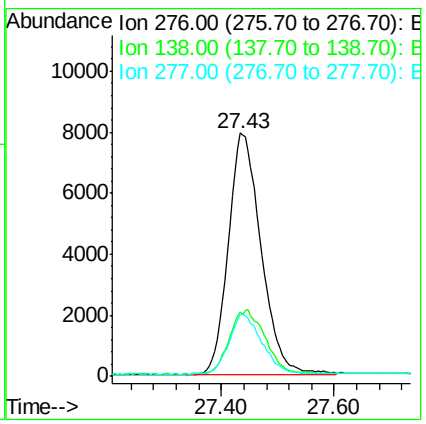


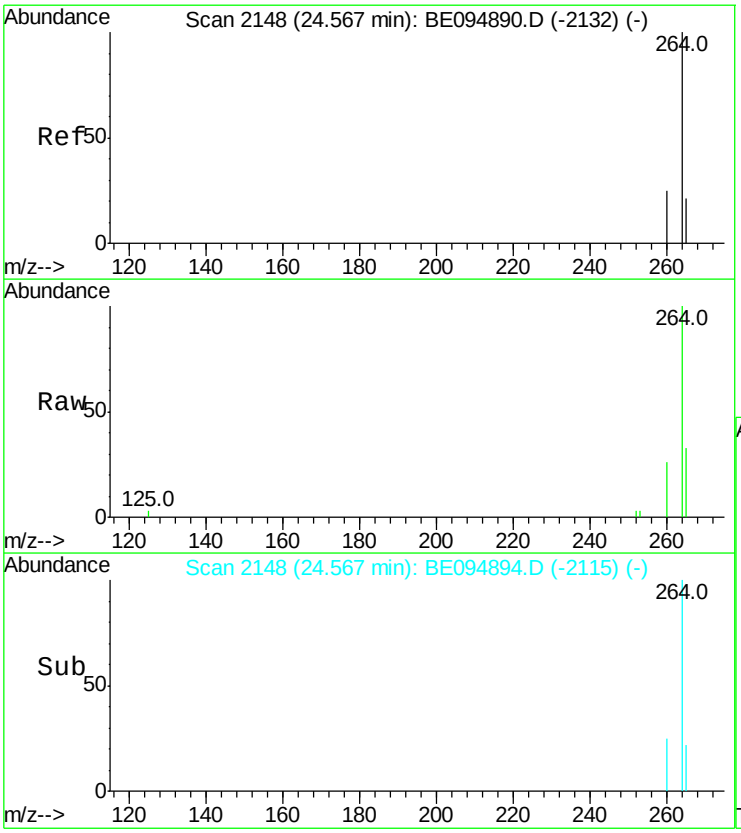
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:276 Resp: 31193

Ion	Ratio	Lower	Upper
276	100		
138	29.4	22.5	33.7
277	24.7	19.9	29.9

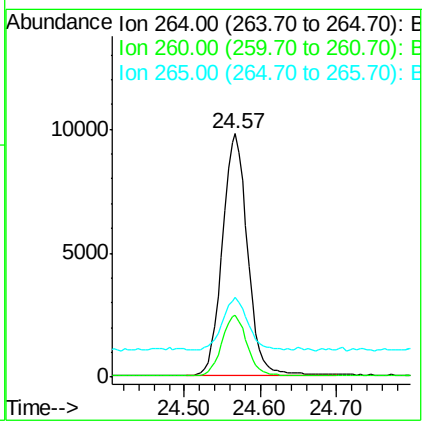


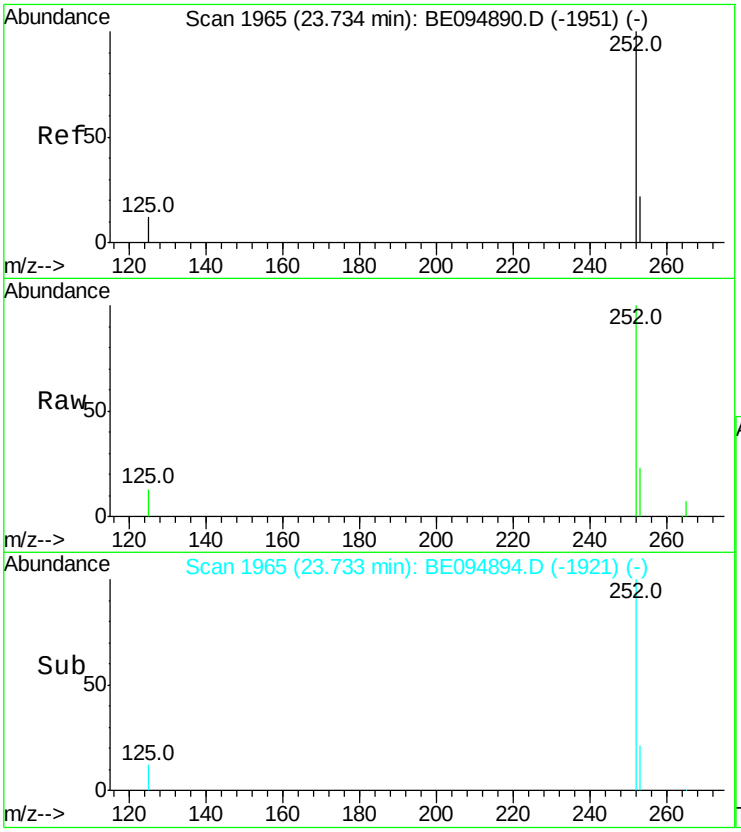


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.57 min Scan# 2148
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:264 Resp: 22568

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	32.9	22.8	34.2



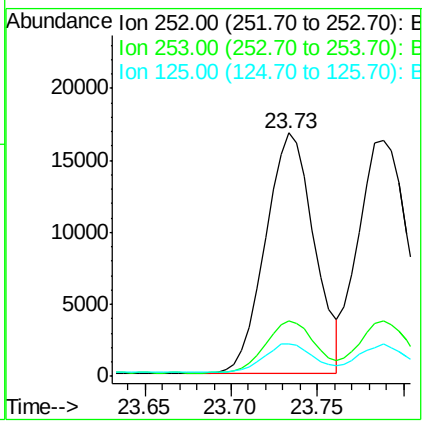


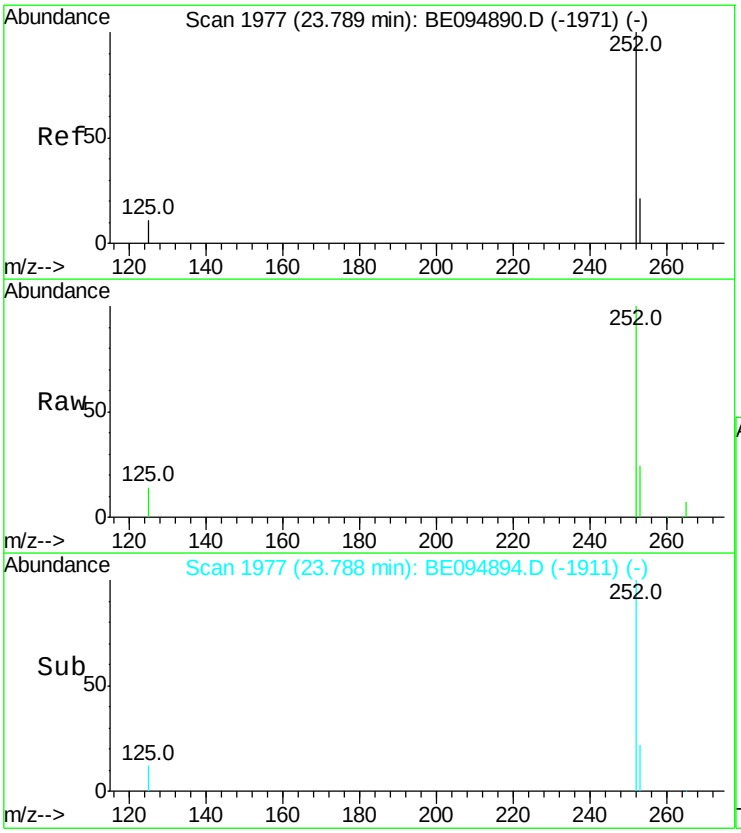
#35
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 23.73 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:252 Resp: 33029

Ion	Ratio	Lower	Upper
252	100		
253	22.7	48.0	72.0#
125	13.1	56.0	84.0#

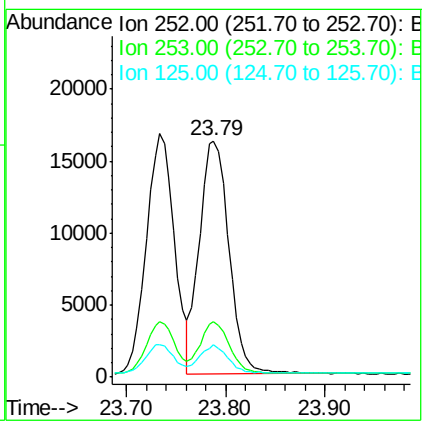


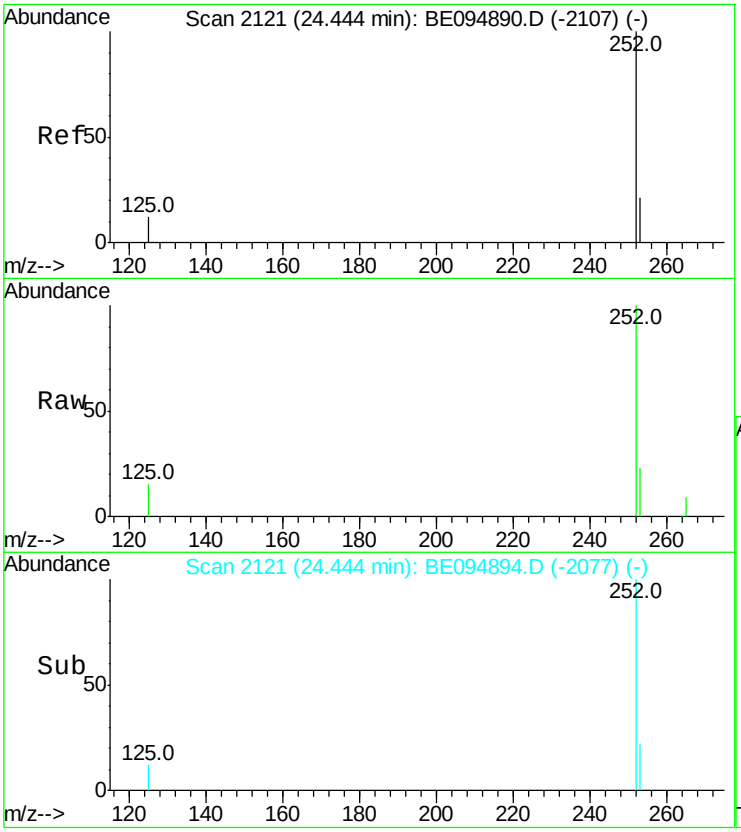


#36
Benzo(k)fluoranthene
Concen: 0.397 ng
RT: 23.79 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:252 Resp: 33325

Ion	Ratio	Lower	Upper
252	100		
253	23.7	48.0	72.0#
125	13.8	56.0	84.0#



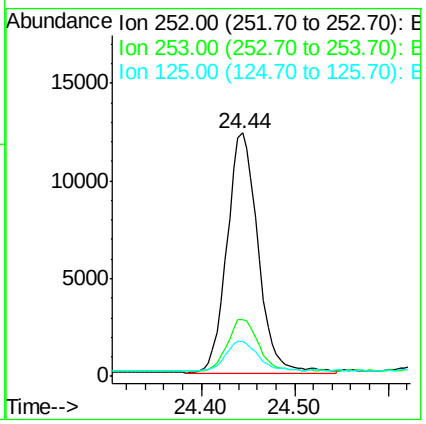


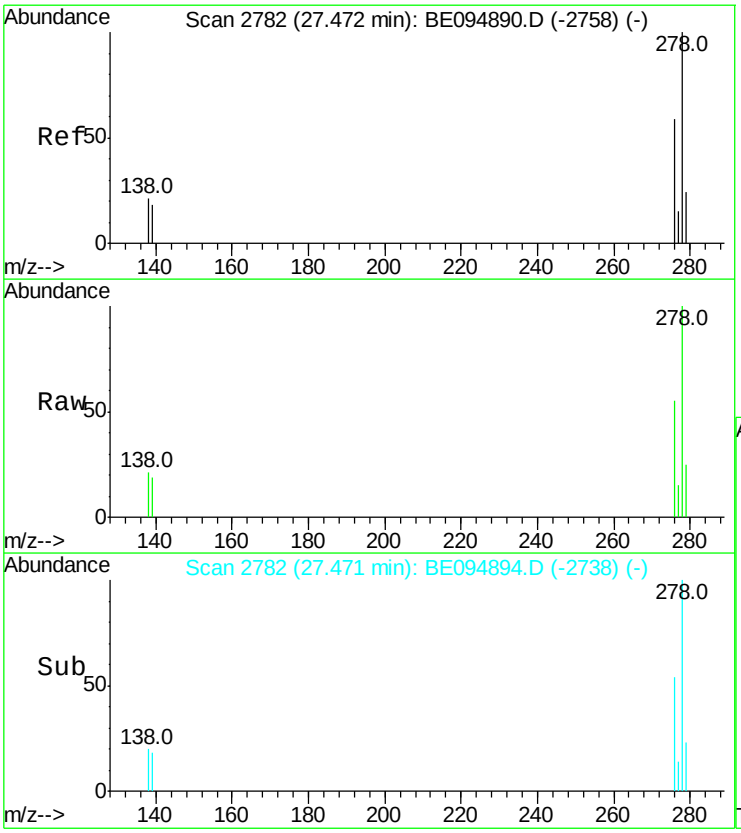
#37
Benzo(a)pyrene
Concen: 0.391 ng
RT: 24.44 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:252 Resp: 28229

Ion	Ratio	Lower	Upper
252	100		
253	23.4	52.0	78.0#
125	14.5	68.0	102.0#

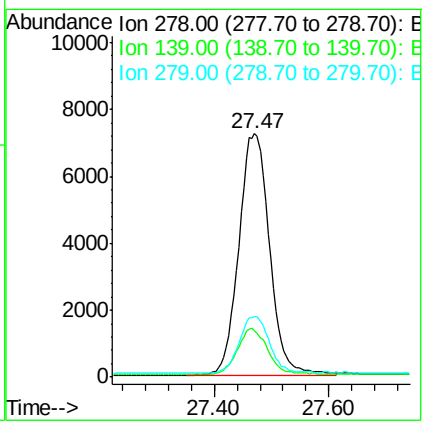


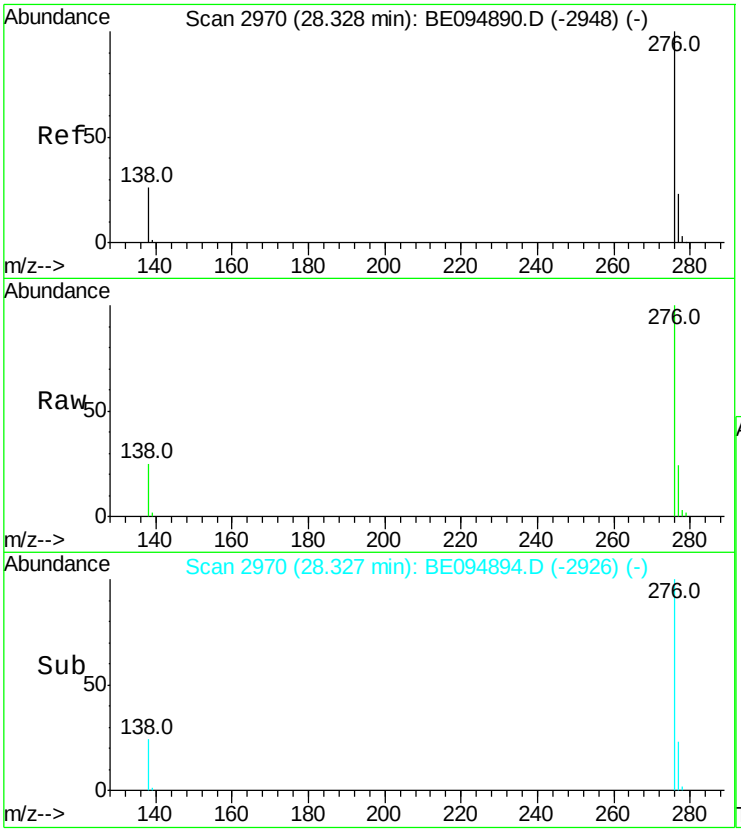


#38
Dibenzo(a,h)anthracene
Concen: 0.397 ng
RT: 27.47 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Tgt Ion:278 Resp: 26480

Ion	Ratio	Lower	Upper
278	100		
139	19.1	56.0	84.0#
279	25.0	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.401 ng
RT: 28.33 min Scan# 2970
Delta R.T. -0.00 min
Lab File: BE094894.D
Acq: 30 Nov 2017 16:12

Instrument :
BNA_E
ClientSampleId :
ICVBE113017

Tgt Ion:276 Resp: 26699

Ion	Ratio	Lower	Upper
276	100		
277	23.7	52.0	78.0#
138	24.6	44.0	66.0#