Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094951.D
Acq On : 8 Dec 2017 16:36
Operator : SJ/JU
Sample : PB104842BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Dec 09 00:26:03 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	8837	0.40	ng		0.00
7) Naphthalene-d8	11.33	136	17399	0.40	ng		0.00
13) Acenaphthene-d10	15.08	164	8635	0.40	ng		0.00
19) Phenanthrene-d10	17.77	188	19640	0.40	ng		0.00
27) Chrysene-d12	21.89	240	21450	0.40	ng		0.00
34) Perylene-d12	24.56	264	17424	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	4450	0.32	ng		0.00
5) Phenol-d6	7.60	99	6325	0.31	ng		0.00
8) Nitrobenzene-d5	9.66	82	5042	0.49	ng		0.00
11) 2-Methylnaphthalene-d10	12.86	152	9755	0.35	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	616	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.71	172	14561	0.39	ng		0.00
25) Fluoranthene-d10	19.76	212	86520	0.32	ng		0.00
29) Terphenyl-d14	20.33	244	16507	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.67	88	3245	0.351	ng	#	56
3) n-Nitrosodimethylamine	4.01	42	4306	0.365	ng	#	81
6) bis(2-Chloroethyl)ether	7.87	93	7352	0.358	ng		99
9) Naphthalene	11.38	128	79374	0.389	ng		99
10) Hexachlorobutadiene	11.64	225	3504	0.407	ng		97
12) 2-Methylnaphthalene	12.94	142	19004	0.375	ng		98
16) Acenaphthylene	14.79	152	17120	0.351	ng		98
17) Acenaphthene	15.14	154	11487	0.364	ng		96
18) Fluorene	16.10	166	14235	0.355	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	4362	0.398	ng	#	68
21) Hexachlorobenzene	17.09	284	4271	0.400	ng	#	79
22) Pentachlorophenol	17.43	266	1740	0.625	ng	#	74
23) Phenanthrene	17.82	178	24011	0.384	ng		98
24) Anthracene	17.91	178	24309	0.366	ng	#	93
26) Fluoranthene	19.79	202	28879	0.359	ng		99
28) Pyrene	20.14	202	29229	0.395	ng		99
30) Benzo(a)anthracene	21.87	228	25969	0.395	ng	#	62
31) Chrysene	21.92	228	30502	0.420	ng	#	63
32) Bis(2-ethylhexyl)phthalate	21.75	149	31494	0.289	ng		99
33) Indeno(1,2,3-cd)pyrene	27.43	276	26167	0.440	ng		99
35) Benzo(b)fluoranthene	23.73	252	25725	0.404	ng	#	40
36) Benzo(k)fluoranthene	23.78	252	25594	0.395	ng	#	40
37) Benzo(a)pyrene	24.44	252	23691	0.425	ng	#	34
38) Dibenzo(a,h)anthracene	27.46	278	21910	0.425	ng	#	43
39) Benzo(g,h,i)perylene	28.32	276	22626	0.440	ng	#	53

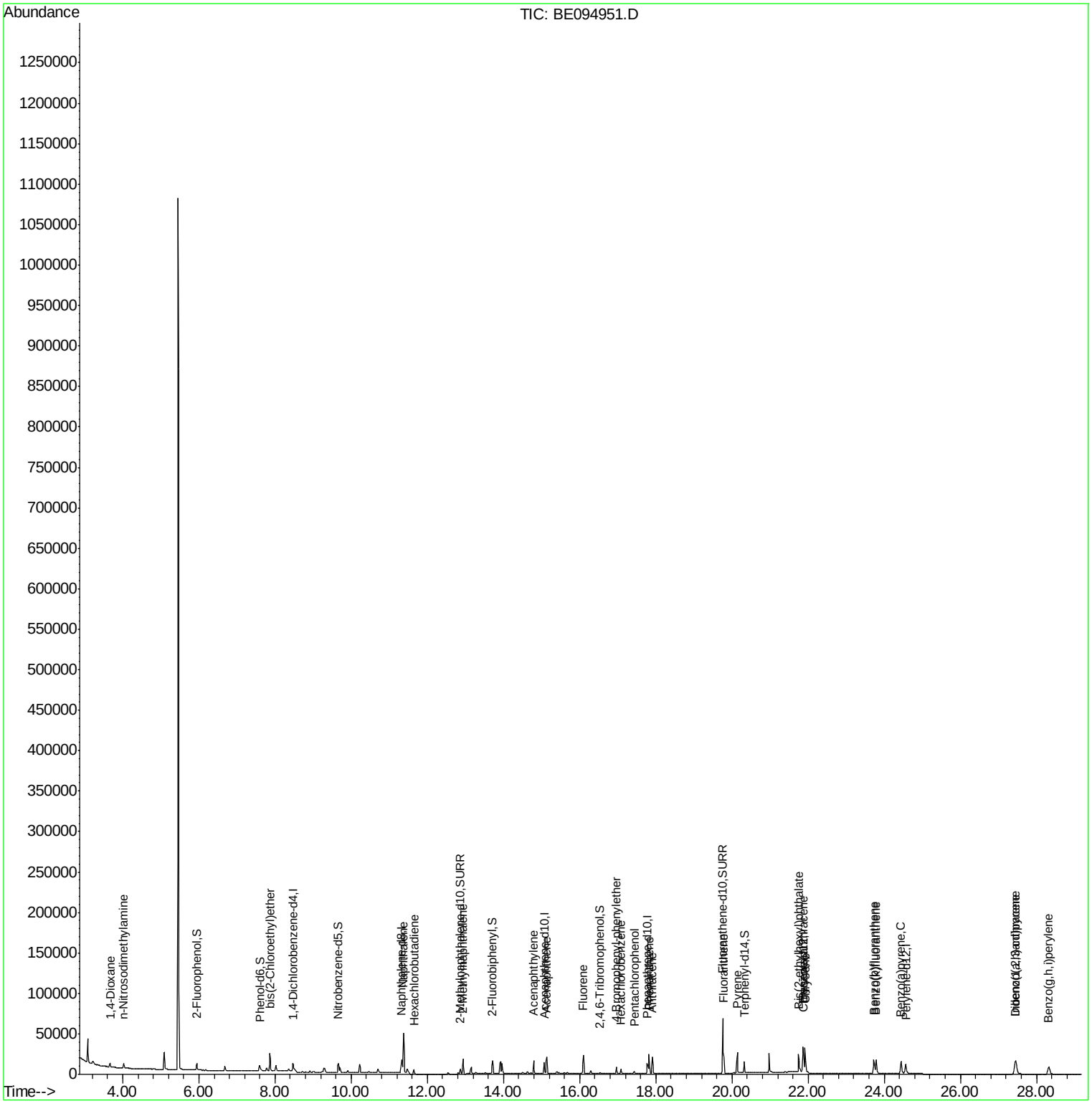
(#) = qualifier out of range (m) = manual integration (+) = signals summed

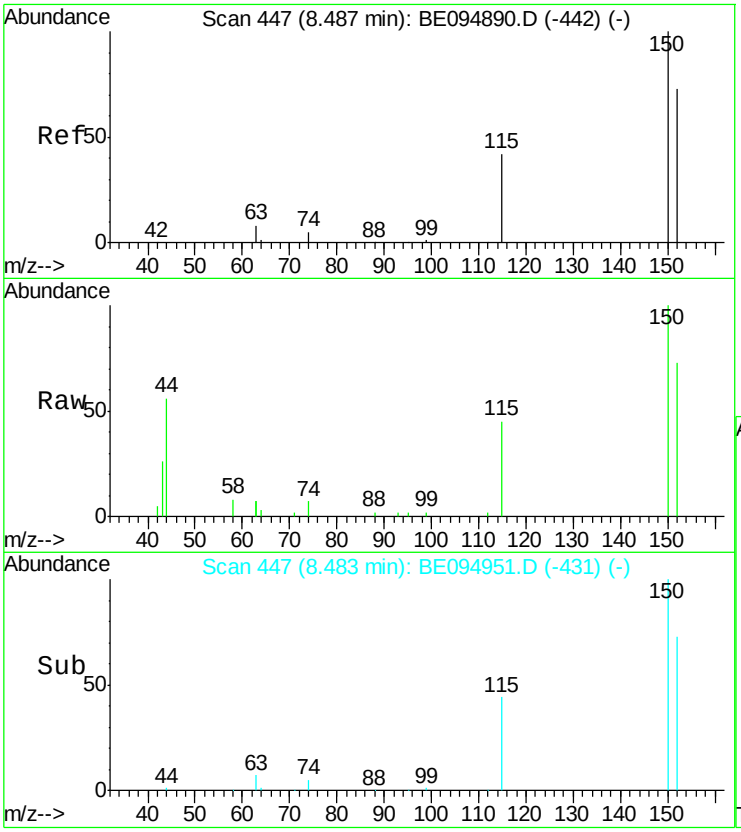
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094951.D
Acq On : 8 Dec 2017 16:36
Operator : SJ/JU
Sample : PB104842BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 09 00:26:03 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration



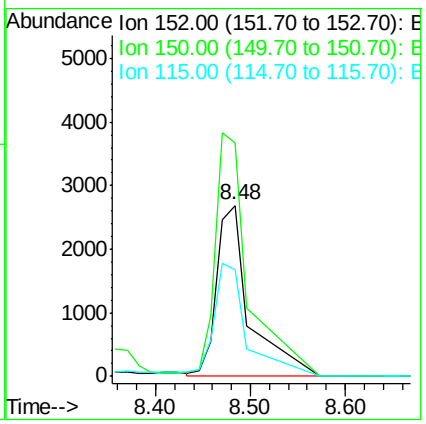


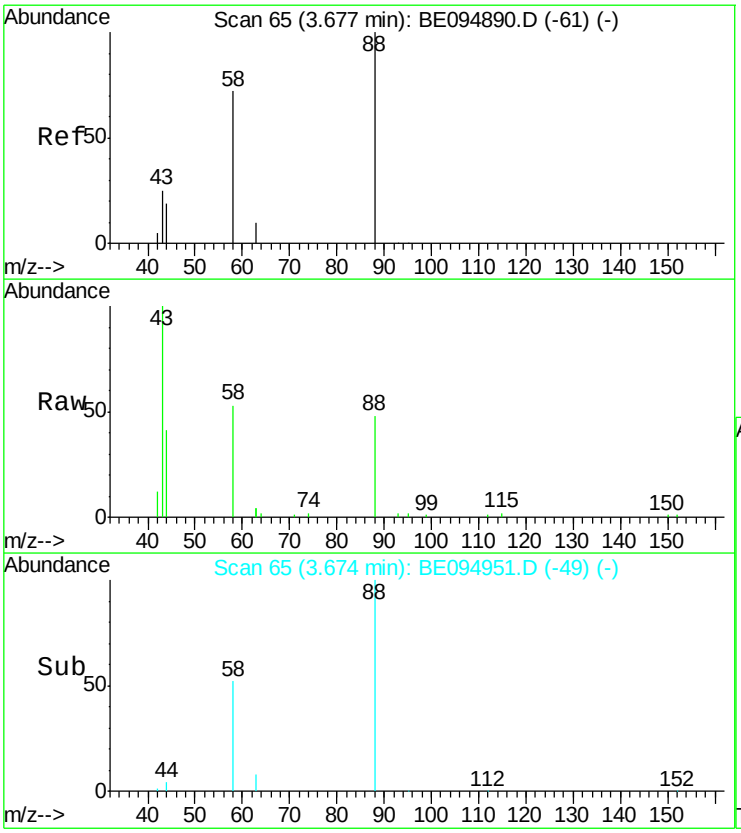
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 8837

Ion	Ratio	Lower	Upper
152	100		
150	136.9	117.2	175.8
115	62.1	57.0	85.6

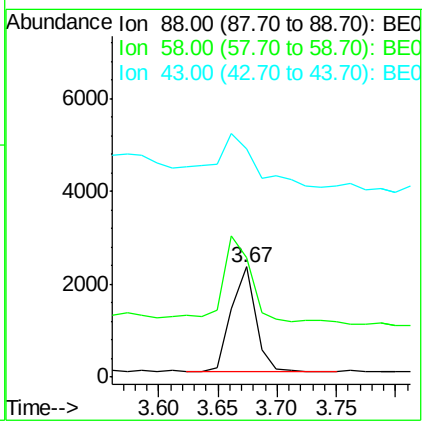


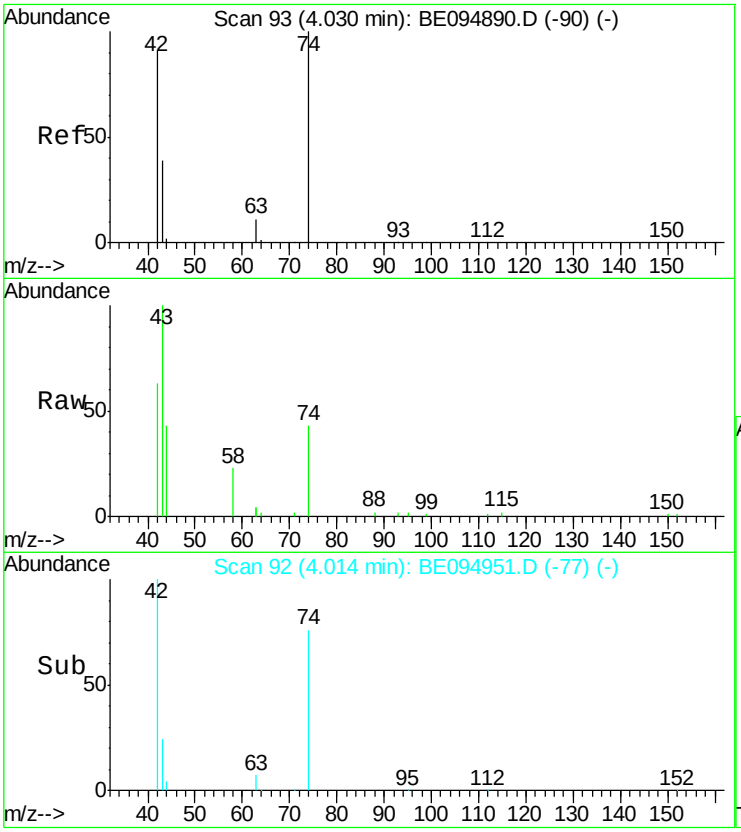


#2
1,4-Dioxane
Concen: 0.351 ng
RT: 3.67 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion: 88 Resp: 3245

Ion	Ratio	Lower	Upper
88	100		
58	118.0	63.2	94.8#
43	82.6	41.2	61.8#



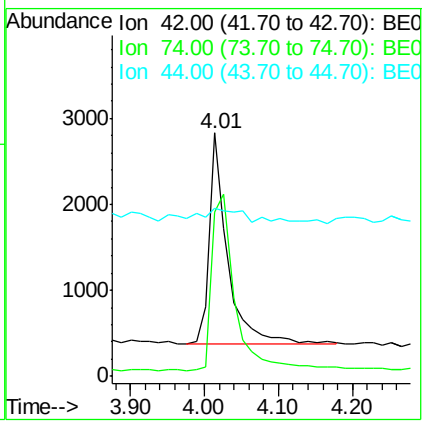


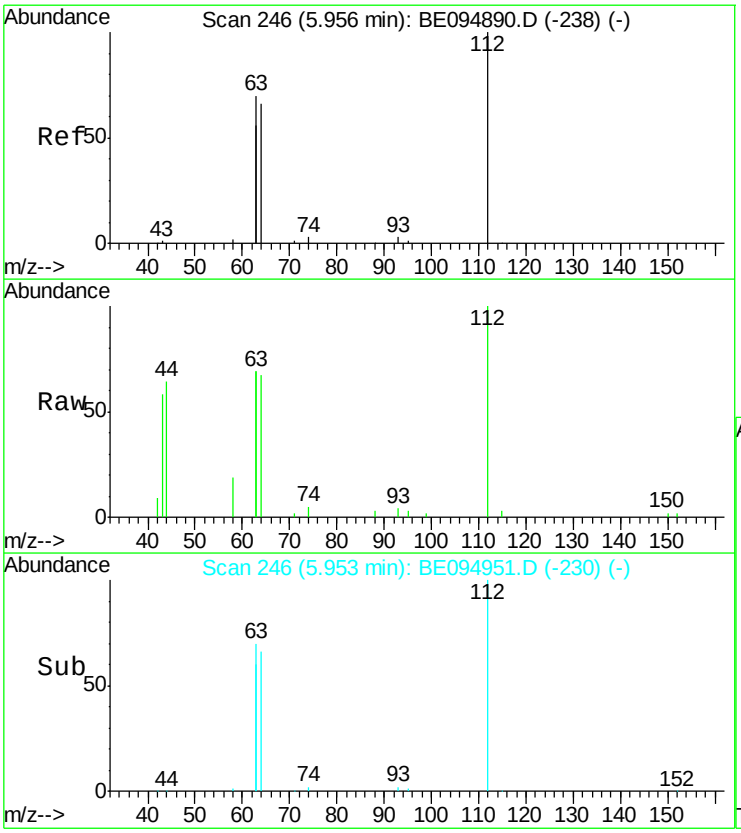
#3
n-Nitrosodimethylamine
Concen: 0.365 ng
RT: 4.01 min Scan# 92
Delta R.T. -0.02 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 4306

Ion	Ratio	Lower	Upper
42	100		
74	103.7	100.3	150.5
44	13.2	17.0	25.4#

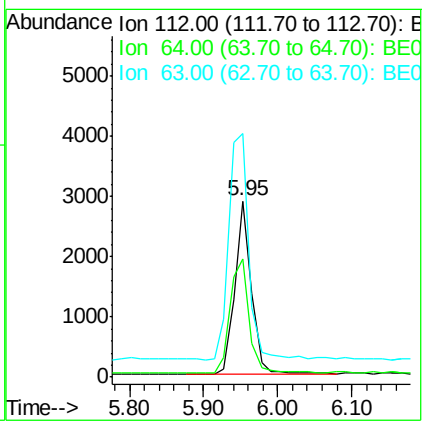


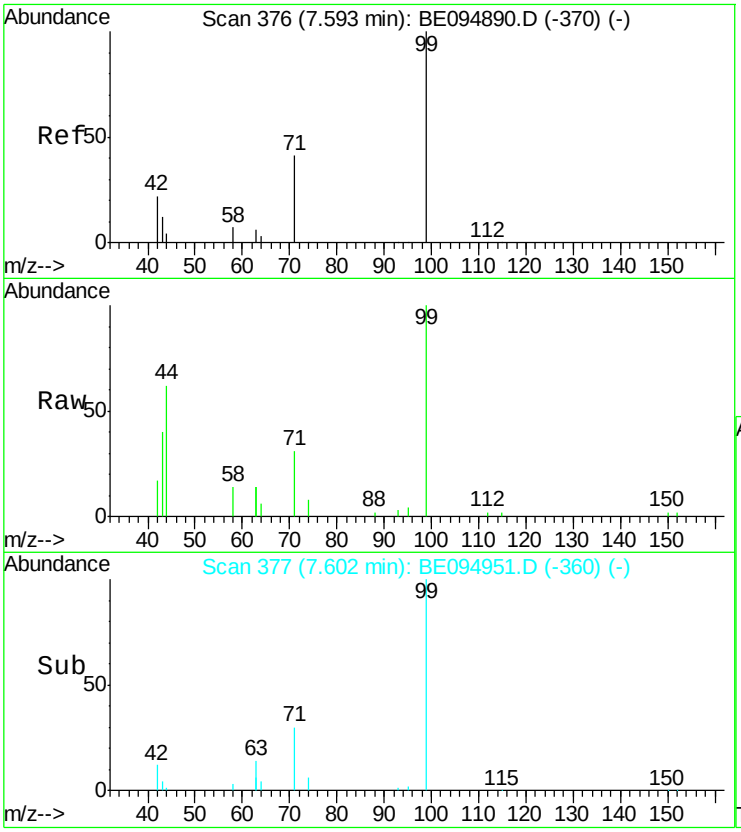


#4
2-Fluorophenol
Concen: 0.318 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:112 Resp: 4450

Ion	Ratio	Lower	Upper
112	100		
64	76.1	60.1	90.1
63	161.1	116.8	175.2



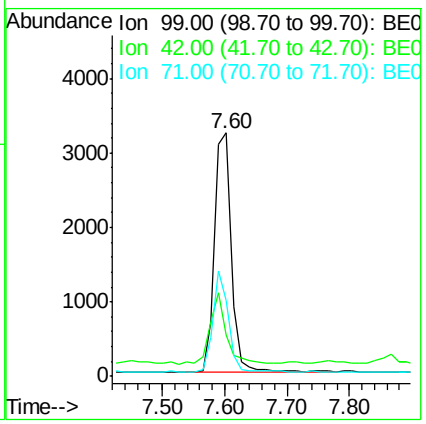


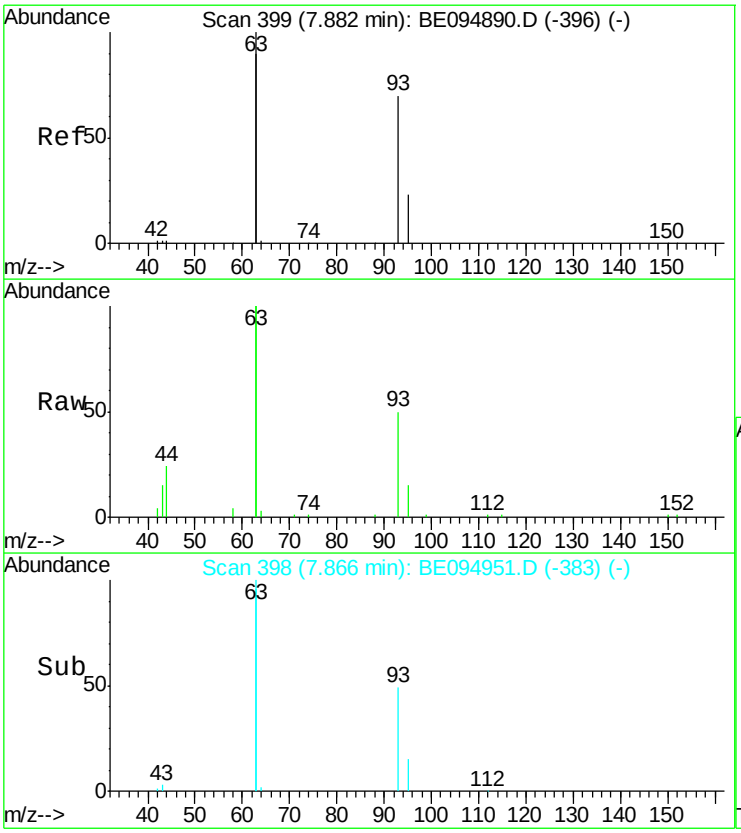
#5
Phenol-d6
Concen: 0.305 ng
RT: 7.60 min Scan# 377
Delta R.T. 0.01 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 6325

Ion	Ratio	Lower	Upper
99	100		
42	27.9	20.2	30.2
71	37.5	28.4	42.6

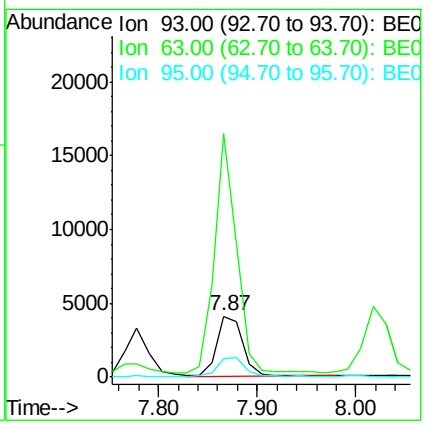


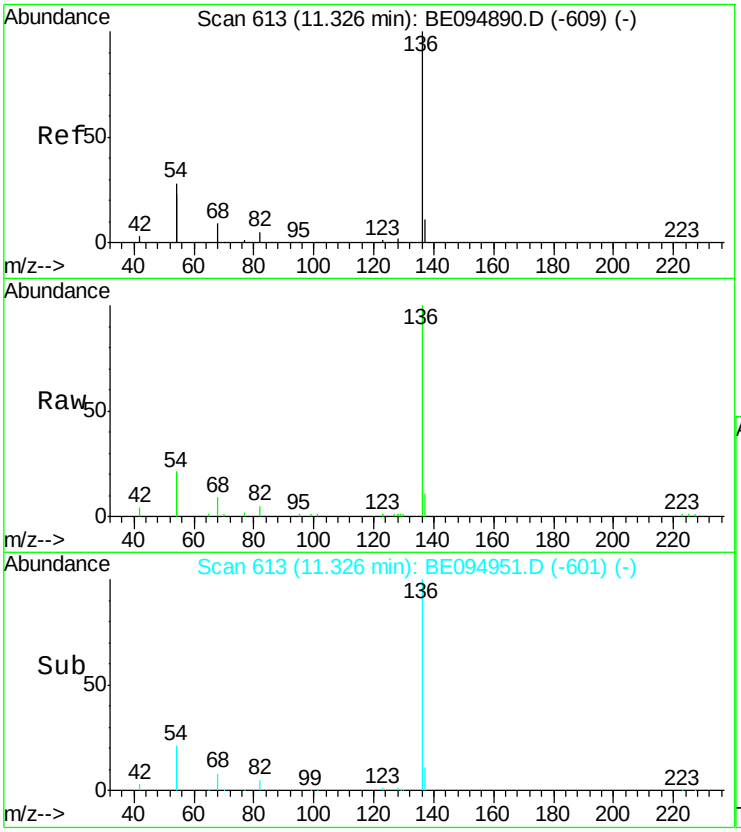


#6
bis(2-Chloroethyl)ether
Concen: 0.358 ng
RT: 7.87 min Scan# 398
Delta R.T. -0.02 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion: 93 Resp: 7352

Ion	Ratio	Lower	Upper
93	100		
63	341.5	275.3	412.9
95	31.9	25.2	37.8



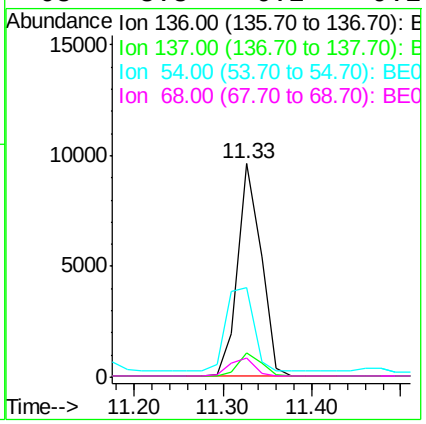


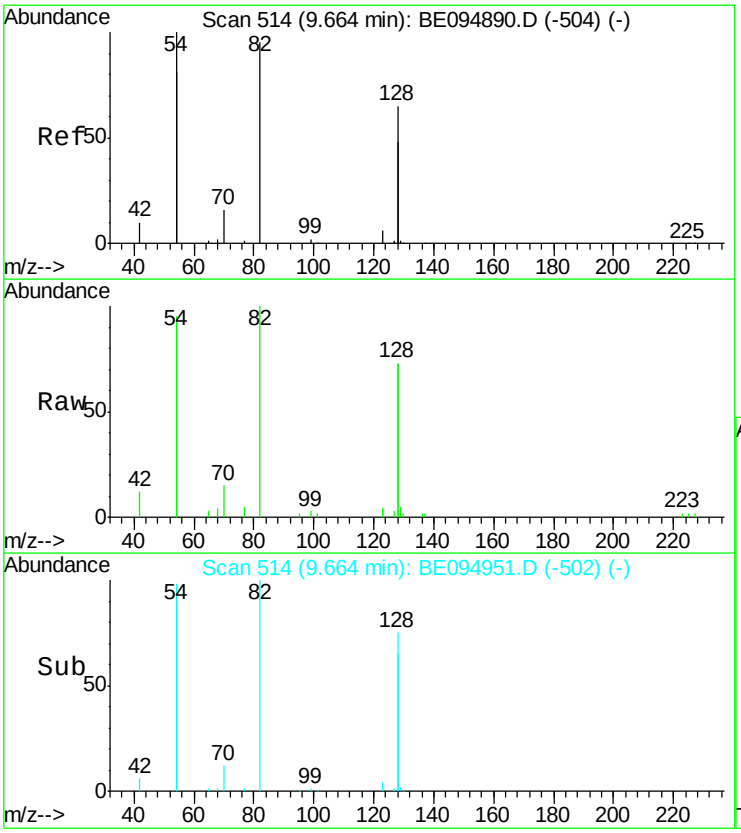
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 17399

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.5	14.3
54	41.9	29.1	43.7
68	8.8	6.2	9.2

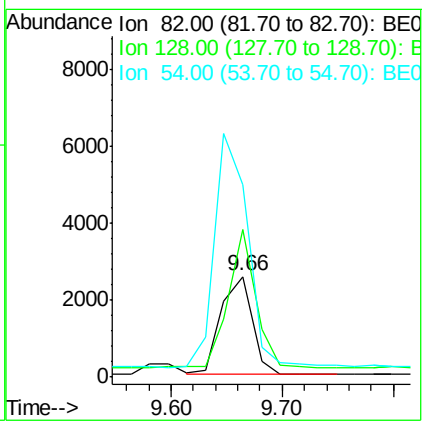


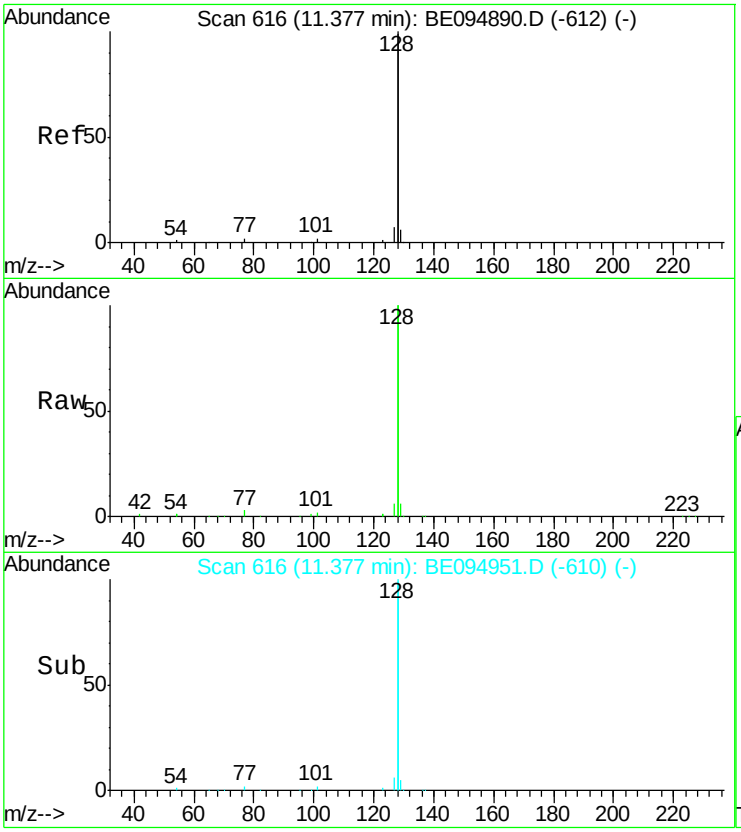


#8
Nitrobenzene-d5
Concen: 0.489 ng
RT: 9.66 min Scan# 514
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion: 82 Resp: 5042

Ion	Ratio	Lower	Upper
82	100		
128	146.1	150.0	225.0#
54	190.7	154.2	231.4



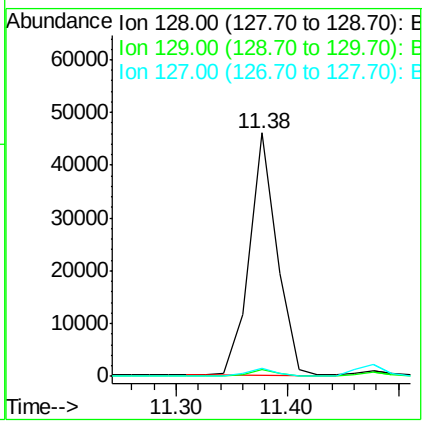


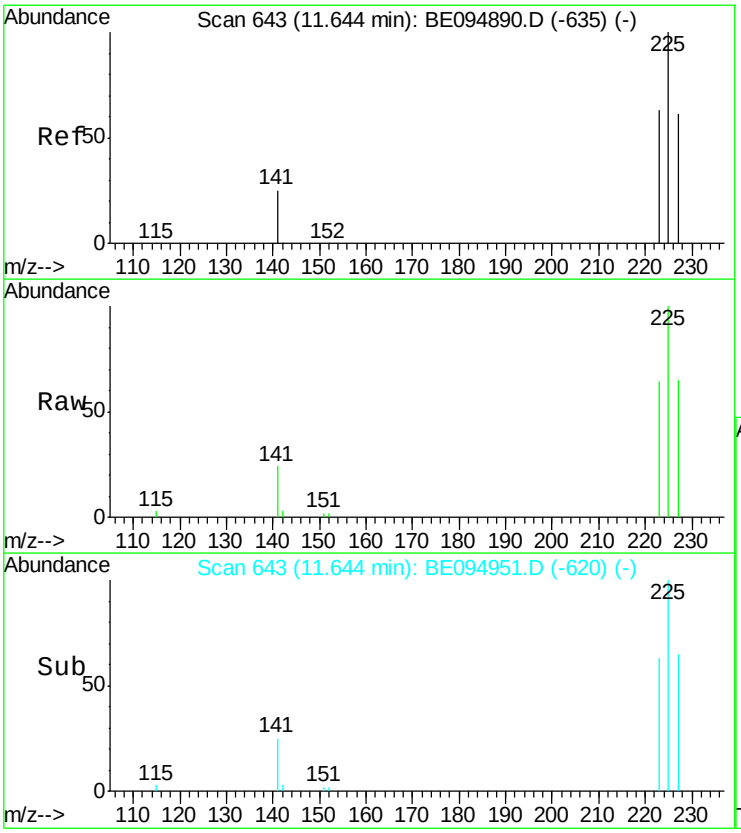
#9
Naphthalene
Concen: 0.389 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 79374

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

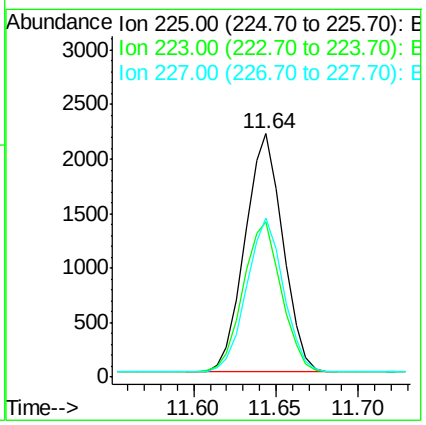


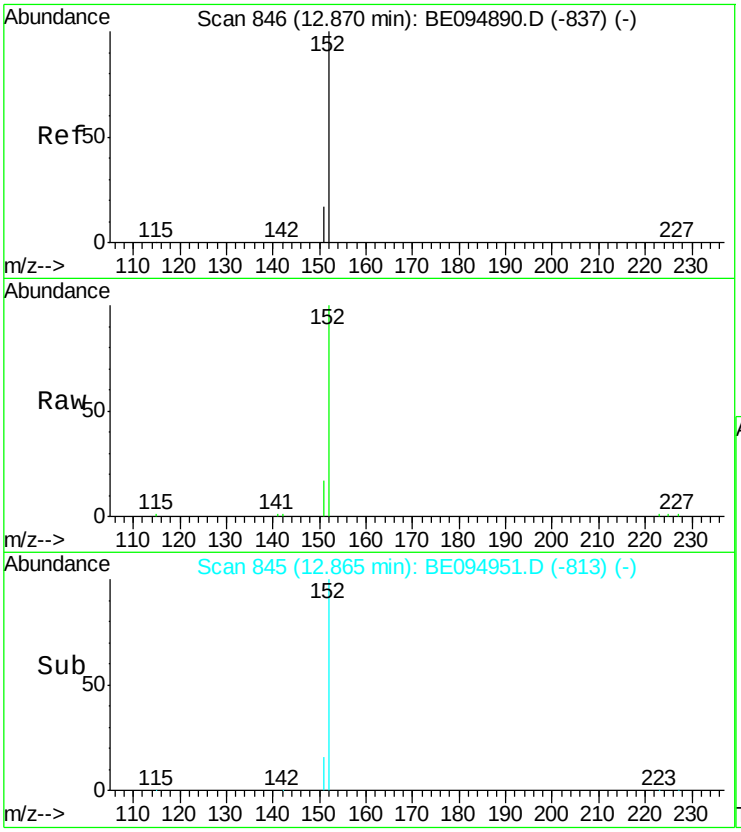


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 11.64 min Scan# 643
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:225 Resp: 3504

Ion	Ratio	Lower	Upper
225	100		
223	63.4	53.0	79.6
227	63.1	51.4	77.2



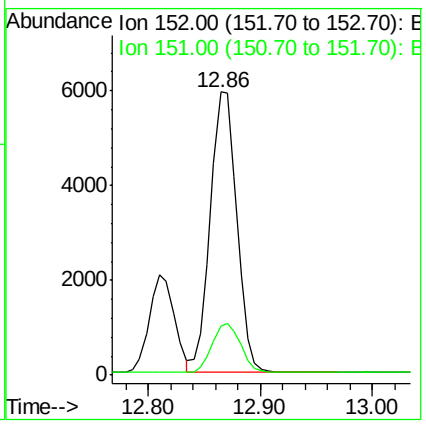


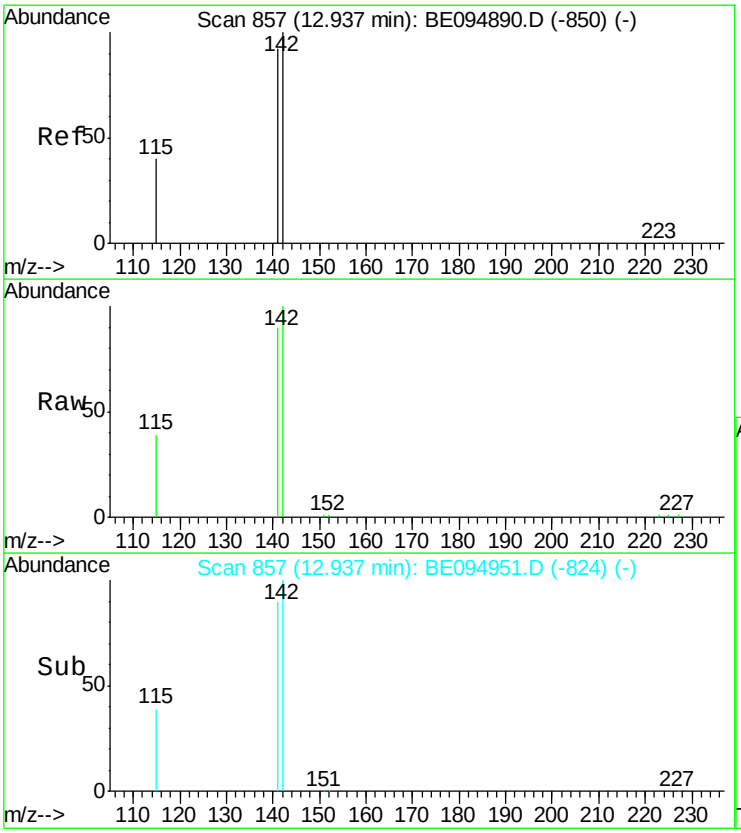
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 9755

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

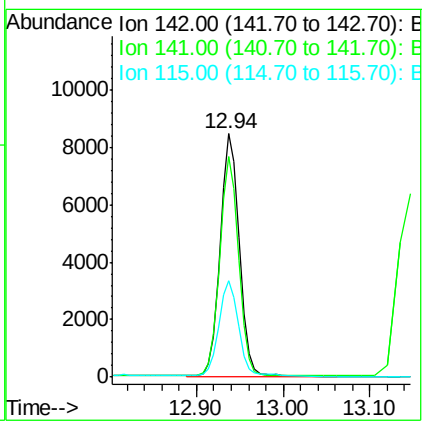


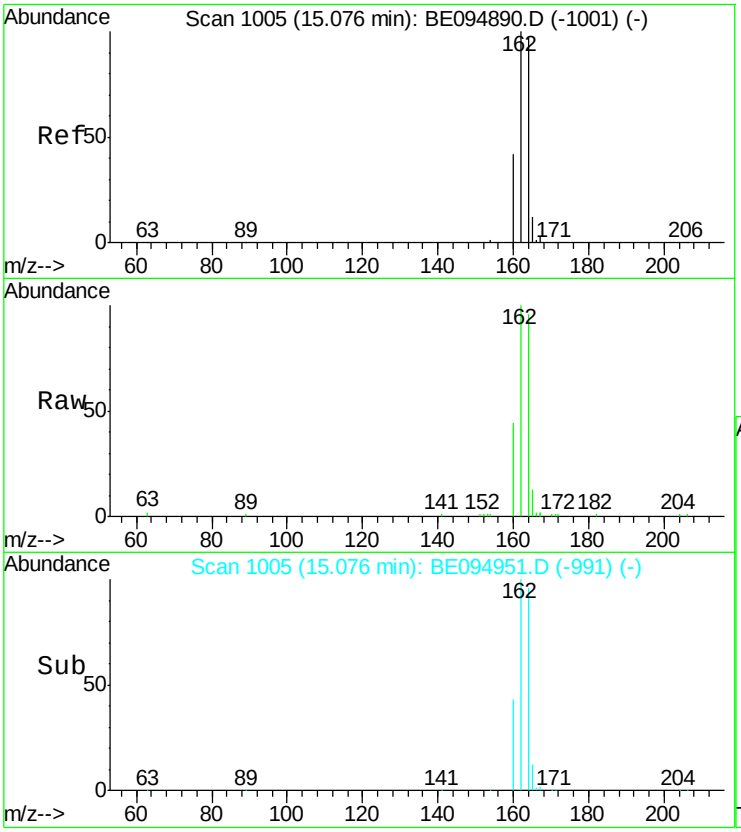


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.94 min Scan# 857
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:142 Resp: 19004

Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.4	105.6
115	39.4	31.7	47.5



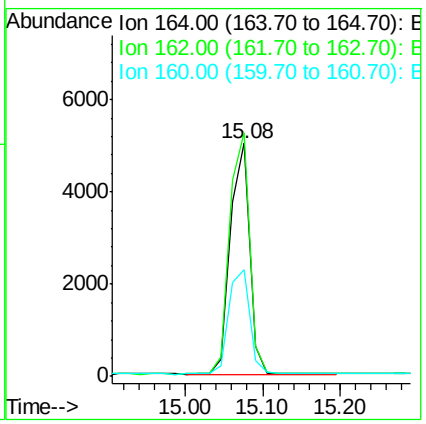


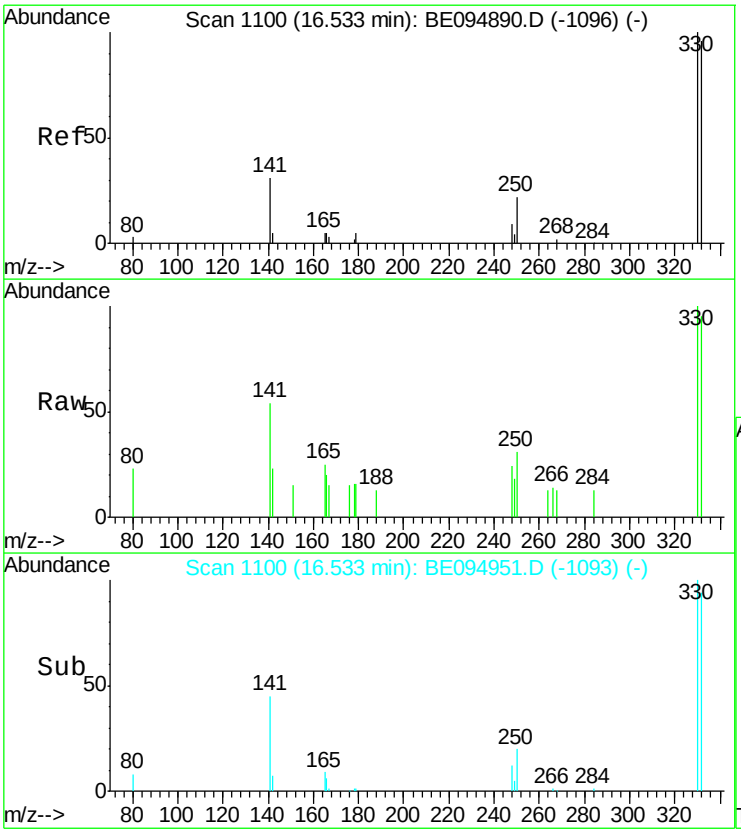
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.08 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 8635

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.1	124.7
160	45.8	37.1	55.7

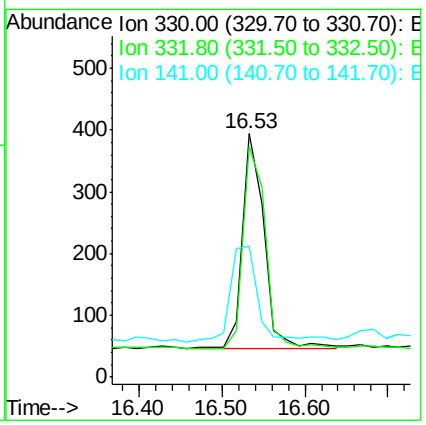


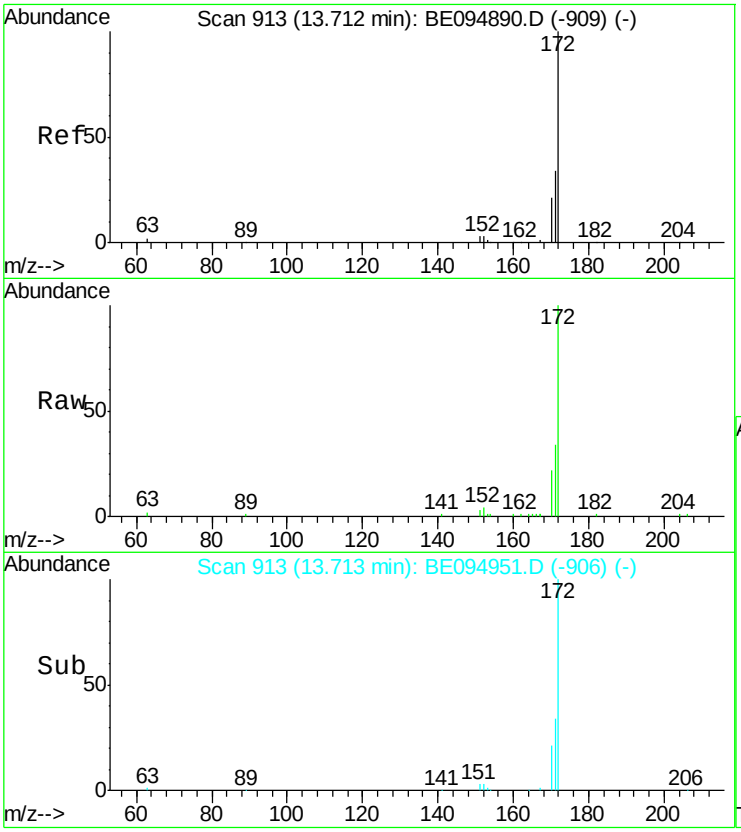


#14
2,4,6-Tribromophenol
Concen: 0.370 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:330 Resp: 616

Ion	Ratio	Lower	Upper
330	100		
332	98.5	152.7	229.1#
141	55.8	33.7	50.5#



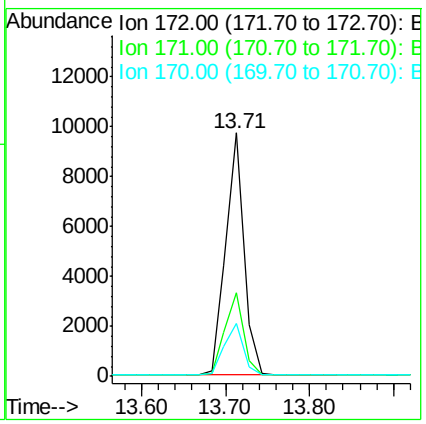


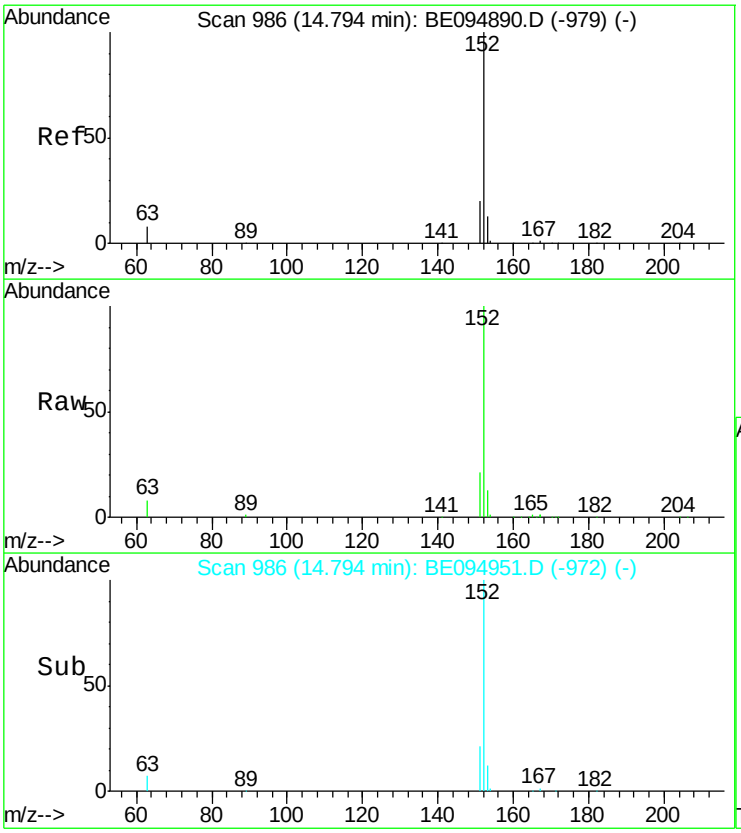
#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 14561

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.9	44.9
170	21.7	21.8	32.8#

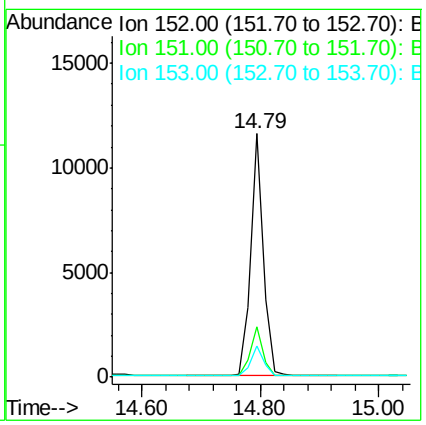


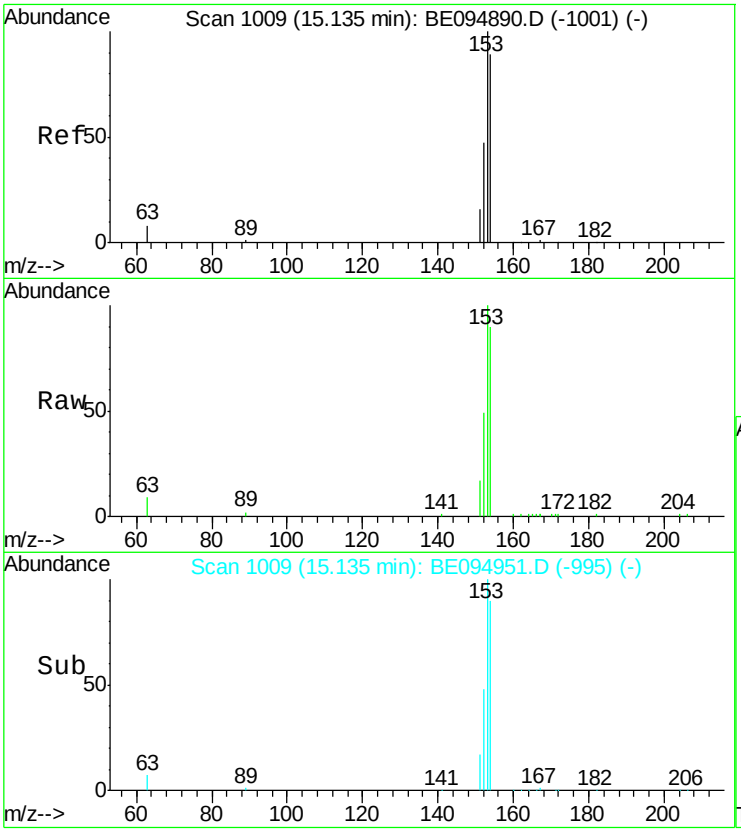


#16
Acenaphthylene
Concen: 0.351 ng
RT: 14.79 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:152 Resp: 17120

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.7	23.5
153	12.6	10.5	15.7



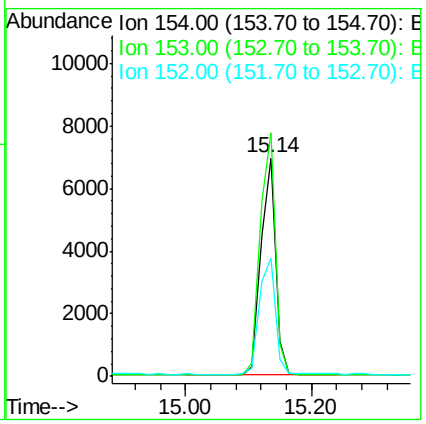


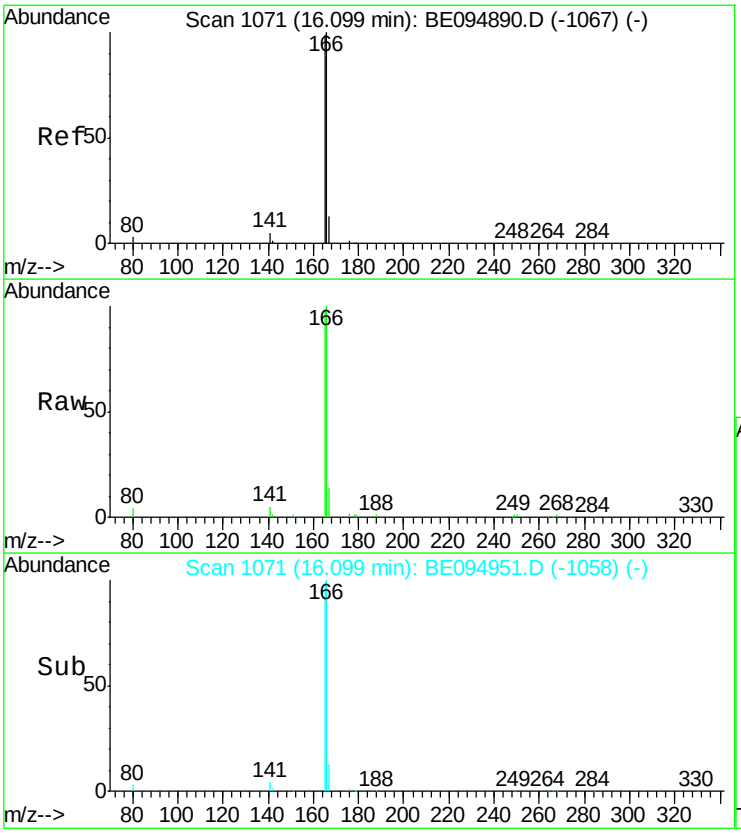
#17
Acenaphthene
Concen: 0.364 ng
RT: 15.14 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 11487

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	58.0	42.0	63.0

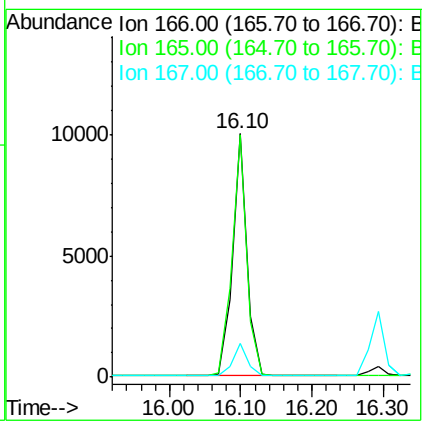


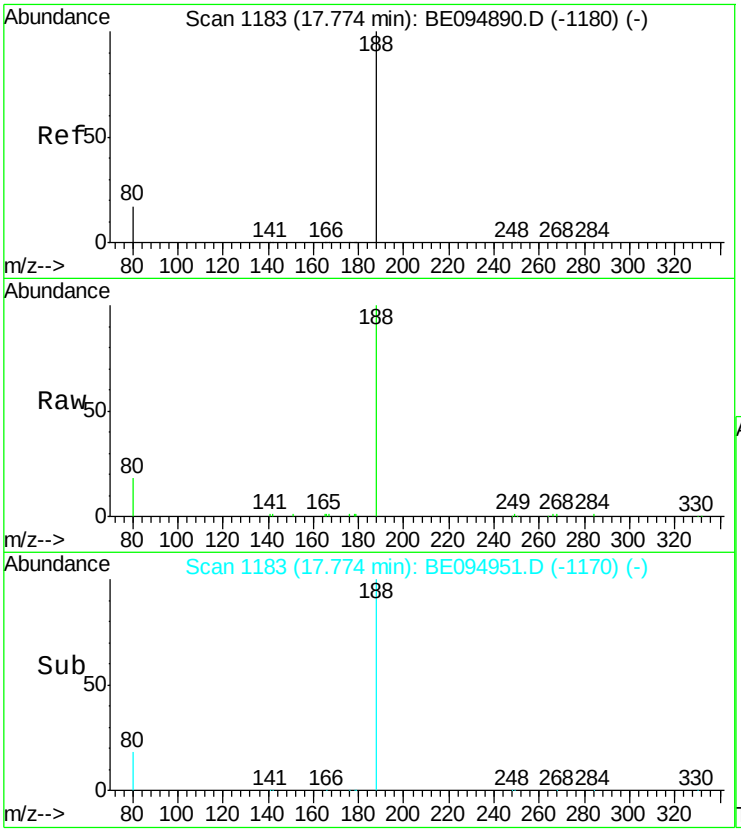


#18
Fluorene
Concen: 0.355 ng
RT: 16.10 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:166 Resp: 14235

Ion	Ratio	Lower	Upper
166	100		
165	101.1	77.8	116.6
167	13.6	42.4	63.6#



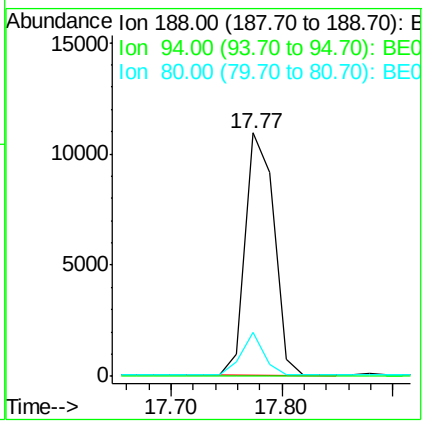


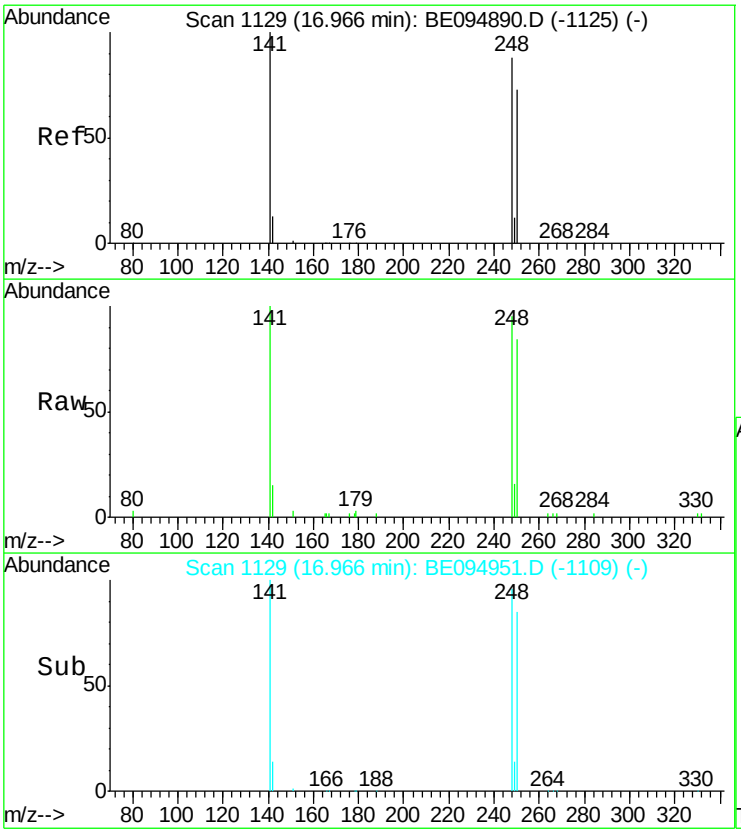
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 19640

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	18.1	3.6	5.4#

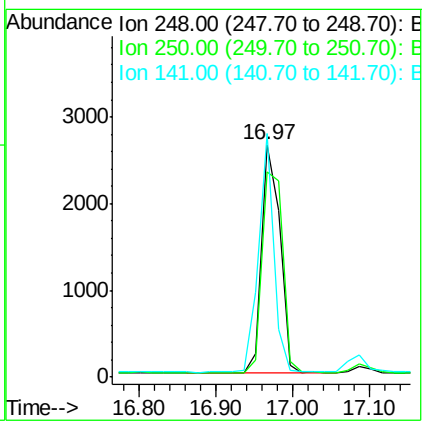


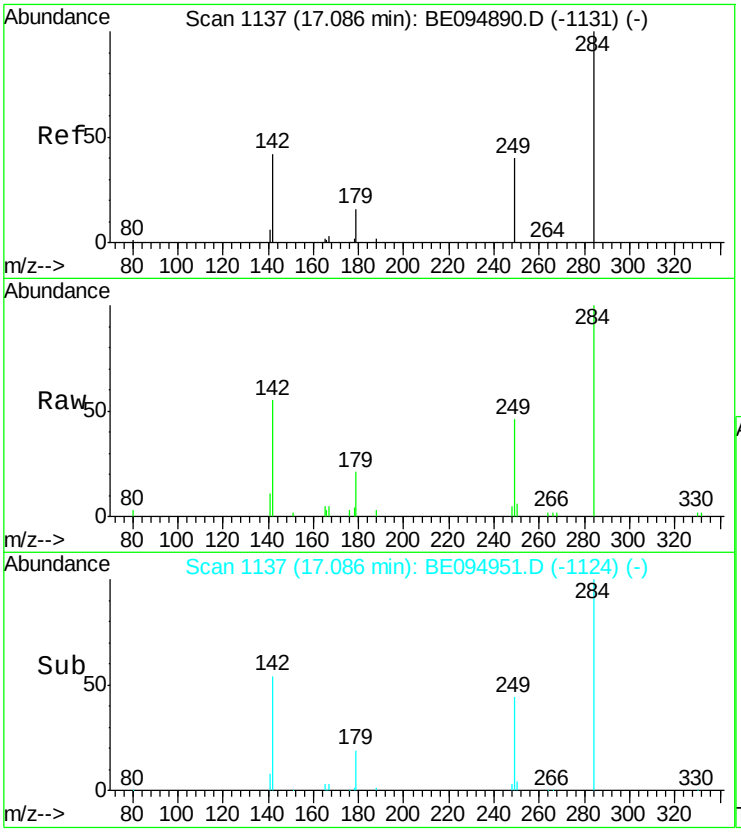


#20
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.97 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:248 Resp: 4362

Ion	Ratio	Lower	Upper
248	100		
250	88.5	62.7	94.1
141	104.7	48.2	72.2#



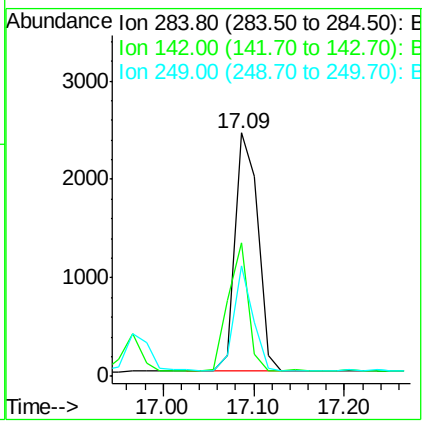


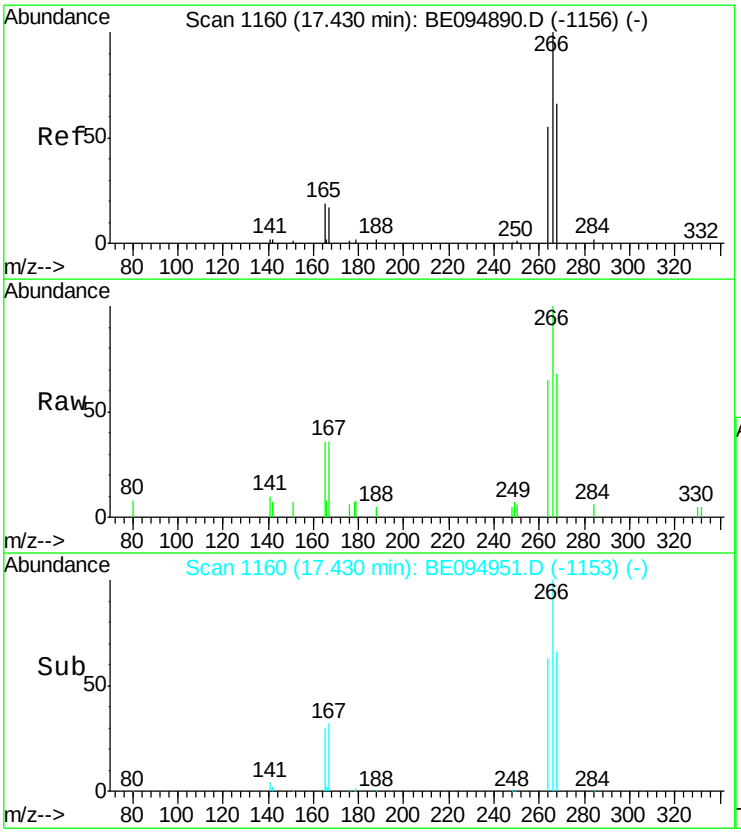
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 17.09 min Scan# 1137
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 4271

Ion	Ratio	Lower	Upper
284	100		
142	47.0	22.1	33.1#
249	36.7	34.8	52.2

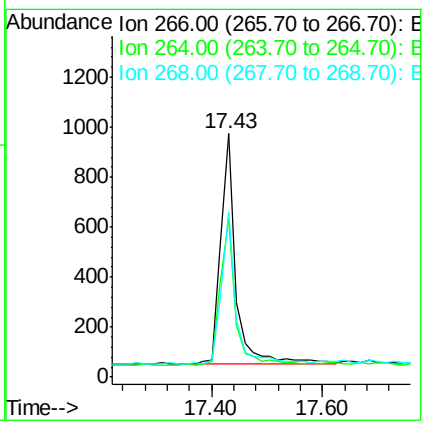


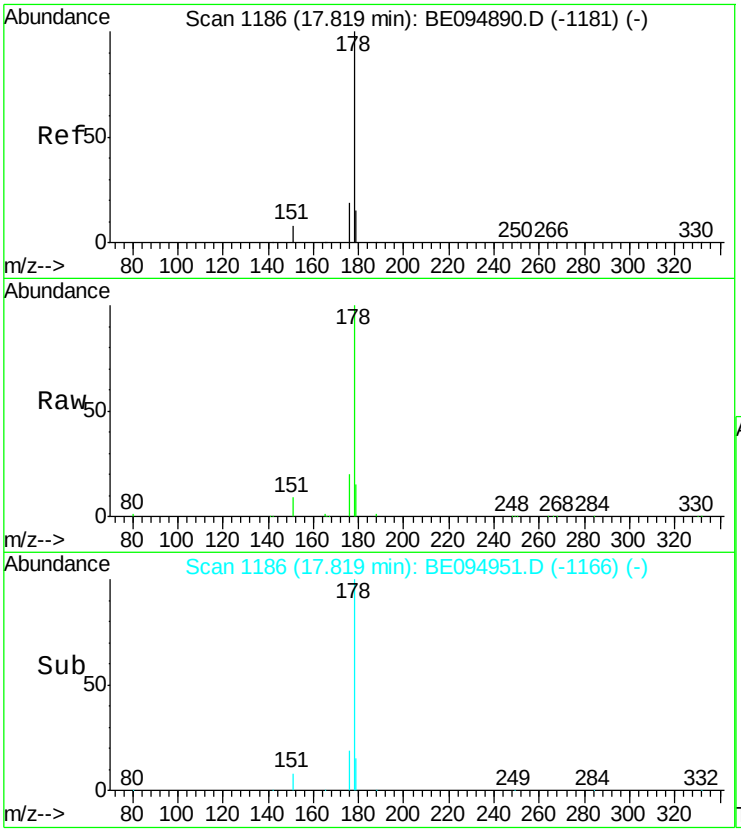


#22
Pentachlorophenol
Concen: 0.625 ng
RT: 17.43 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:266 Resp: 1740

Ion	Ratio	Lower	Upper
266	100		
264	64.7	72.5	108.7#
268	67.9	73.8	110.6#



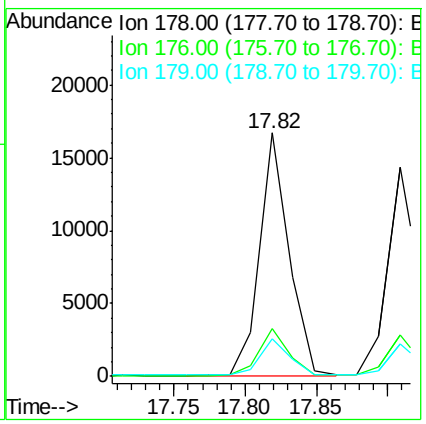


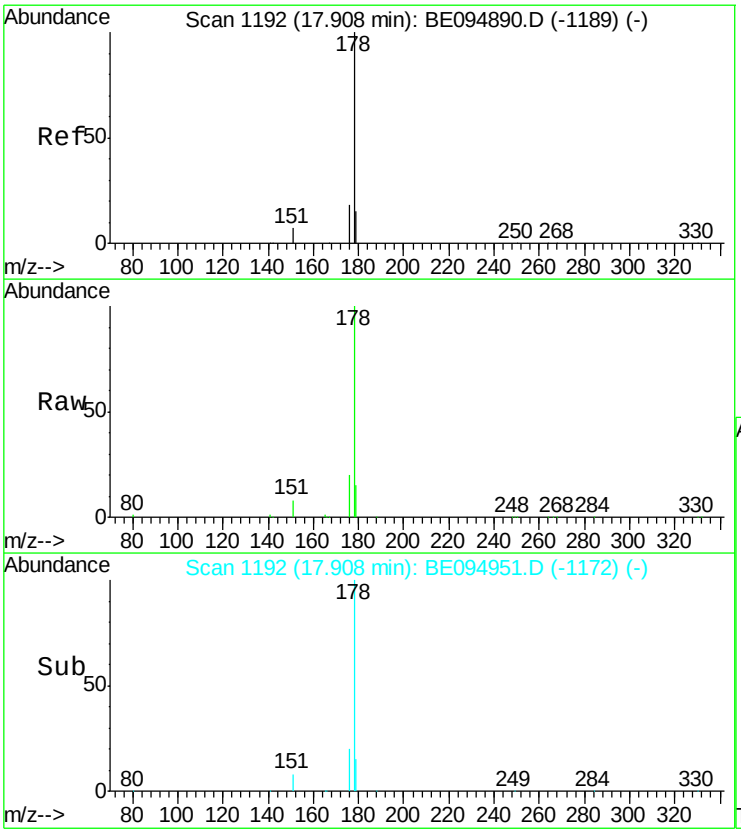
#23
Phenanthrene
Concen: 0.384 ng
RT: 17.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 24011

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.3	11.8	17.6

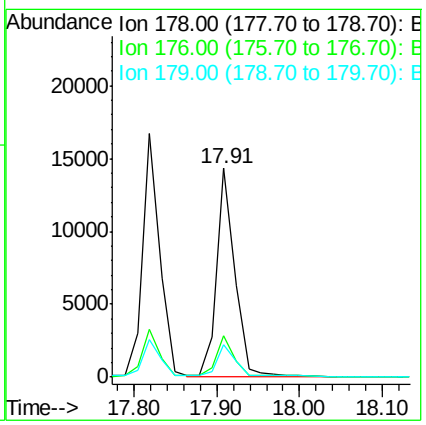


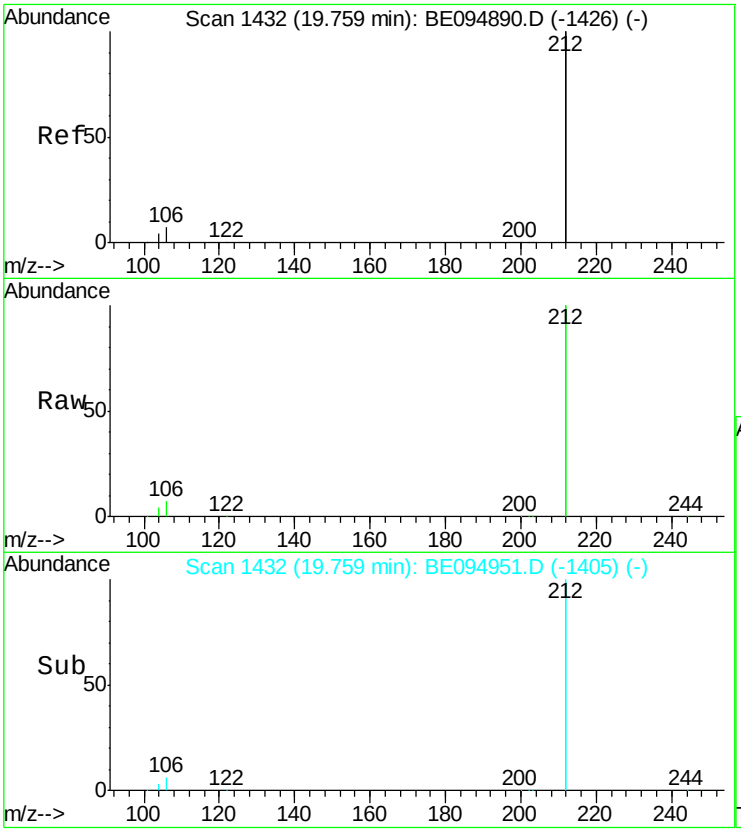


#24
Anthracene
Concen: 0.366 ng
RT: 17.91 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:178 Resp: 24309

Ion	Ratio	Lower	Upper
178	100		
176	21.0	12.8	19.2#
179	17.6	13.0	19.6



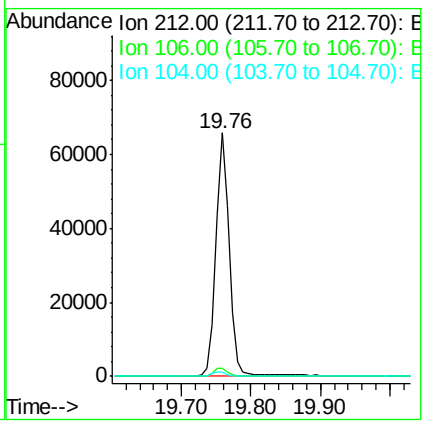


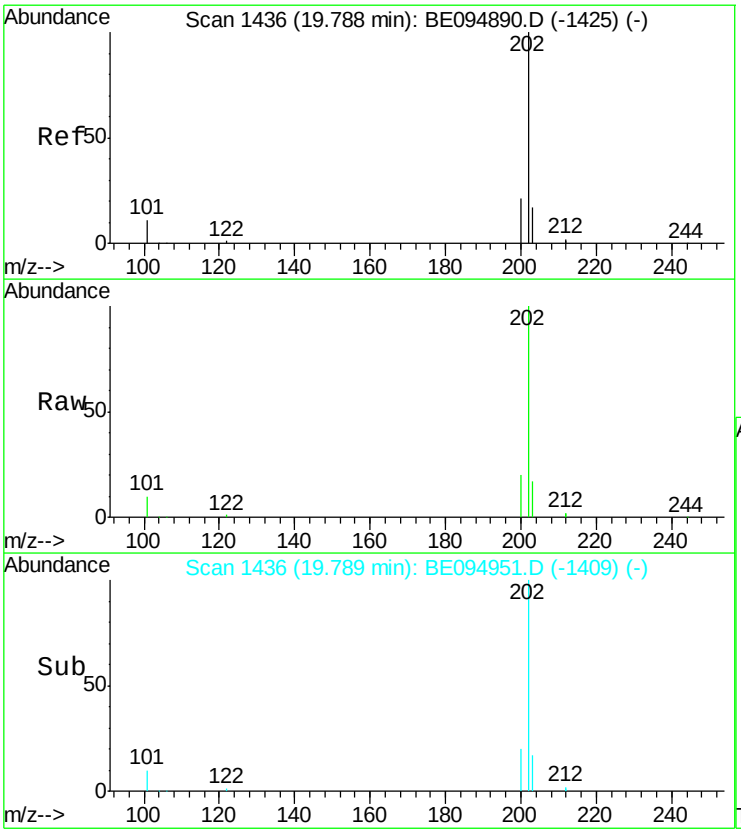
#25
Fluoranthene-d10
Concen: 0.322 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 86520

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.8	4.2
104	2.0	1.6	2.4

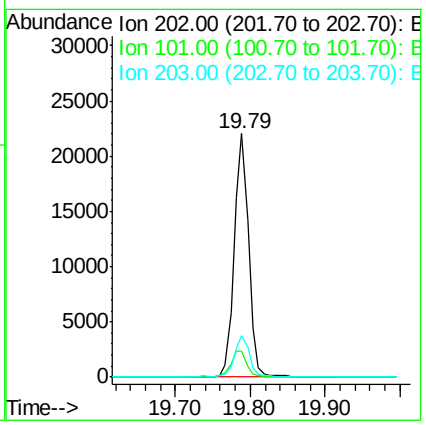


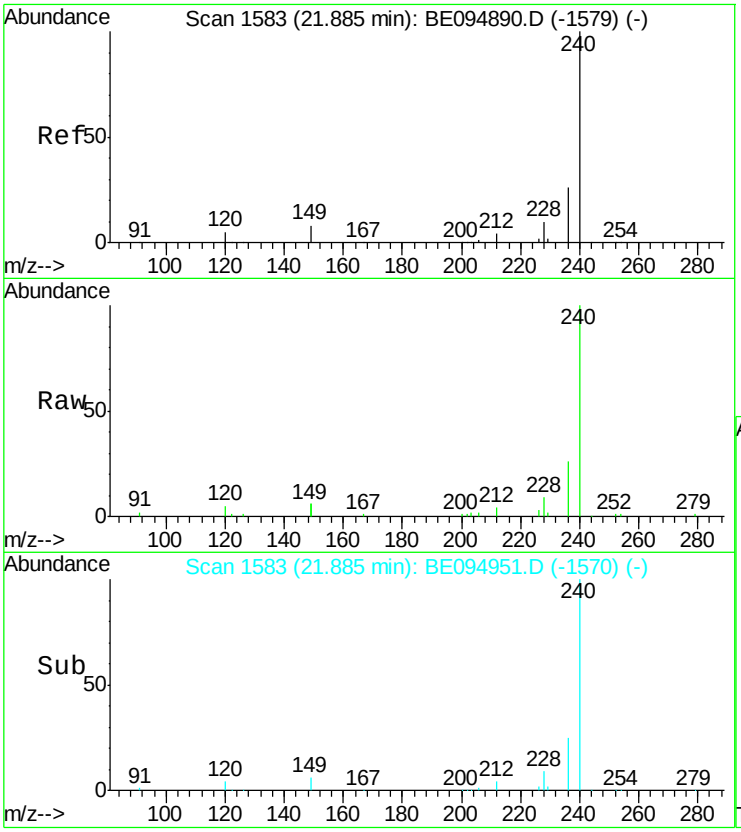


#26
Fluoranthene
Concen: 0.359 ng
RT: 19.79 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:202 Resp: 28879

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.8	14.8
203	16.7	13.7	20.5



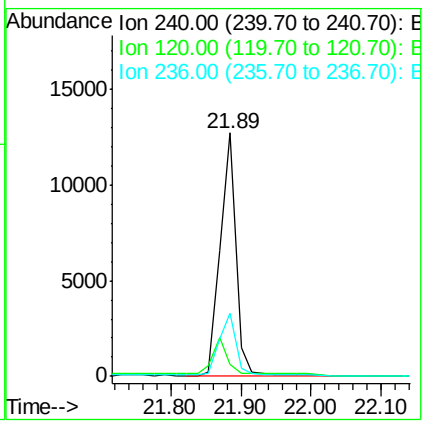


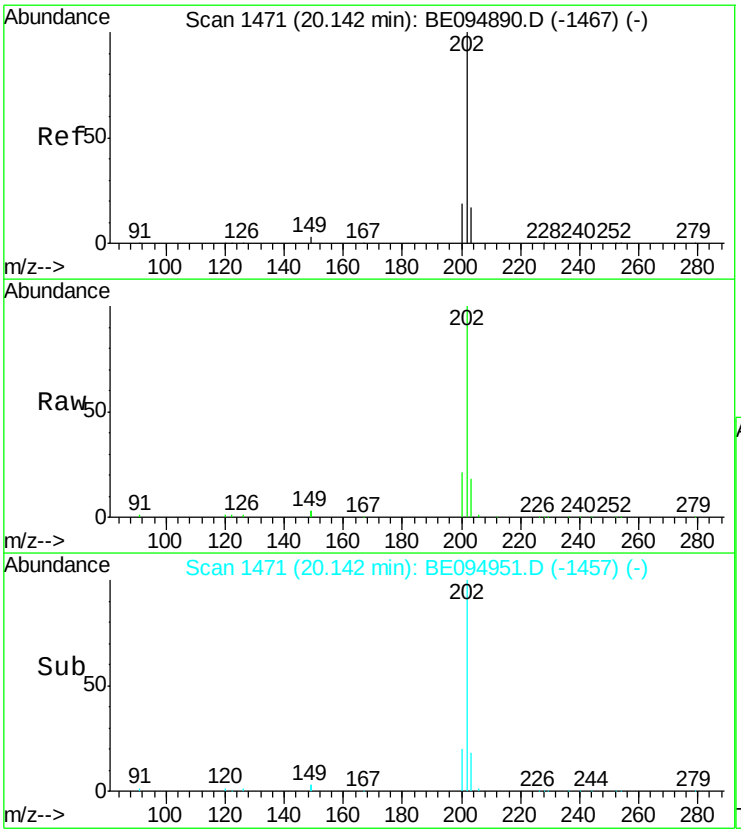
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 21450

Ion	Ratio	Lower	Upper
240	100		
120	4.8	5.5	8.3#
236	25.9	20.7	31.1

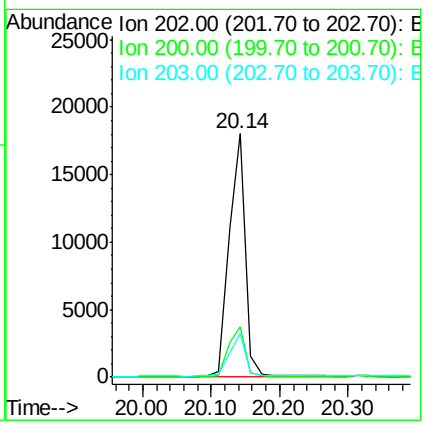


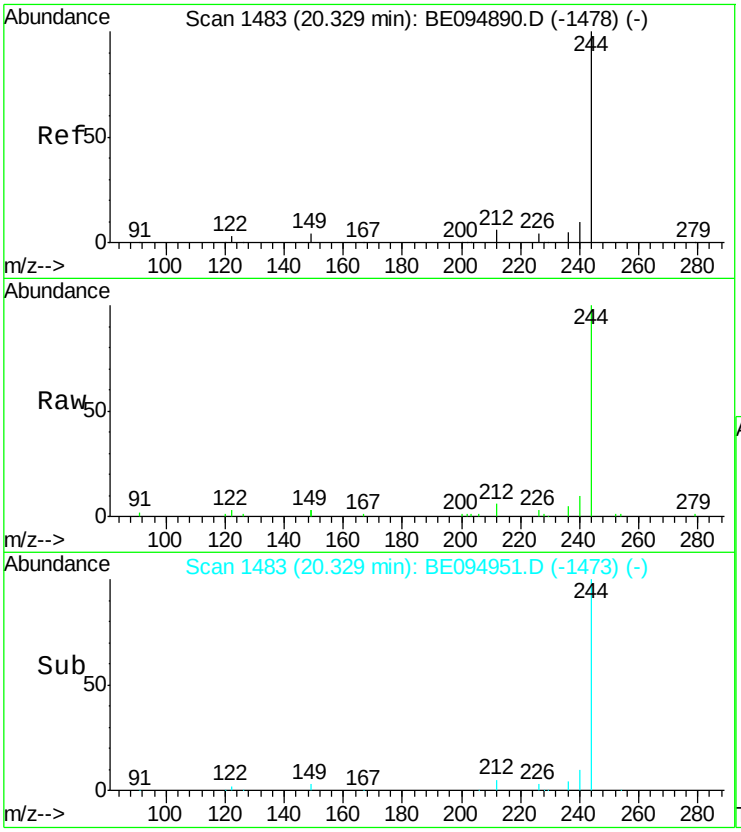


#28
Pyrene
Concen: 0.395 ng
RT: 20.14 min Scan# 1471
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:202 Resp: 29229

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.7	13.8	20.8



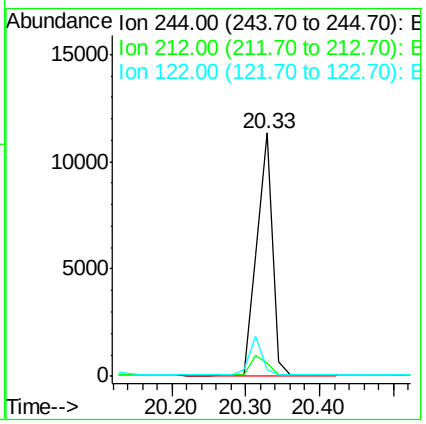


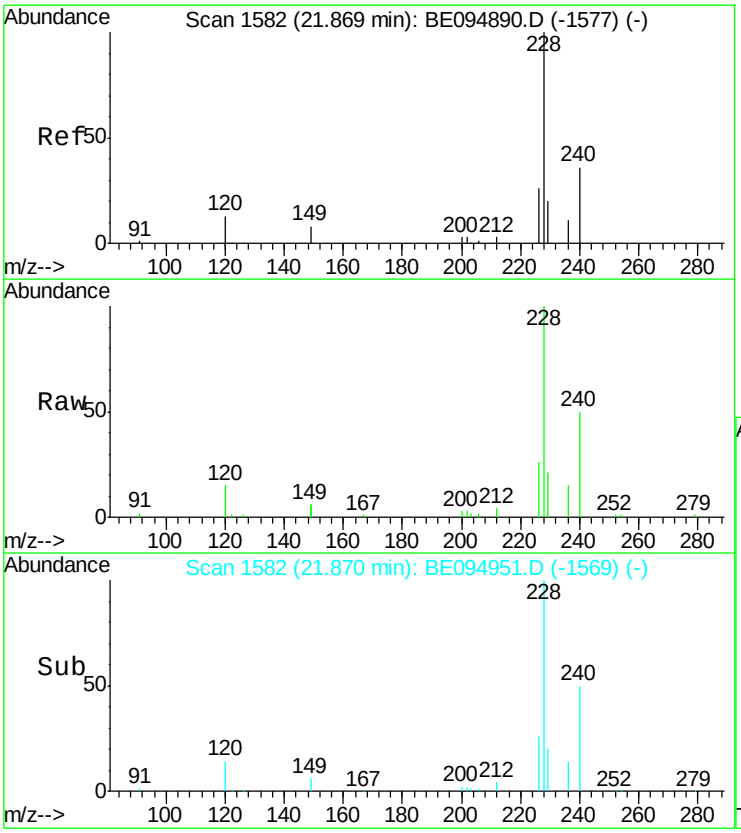
#29
Terphenyl-d14
Concen: 0.417 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 16507

Ion	Ratio	Lower	Upper
244	100		
212	5.5	25.4	38.0#
122	2.7	8.1	12.1#

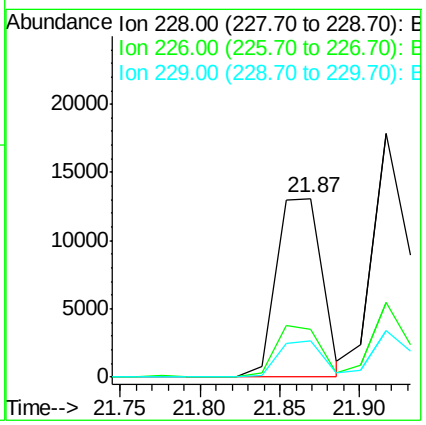


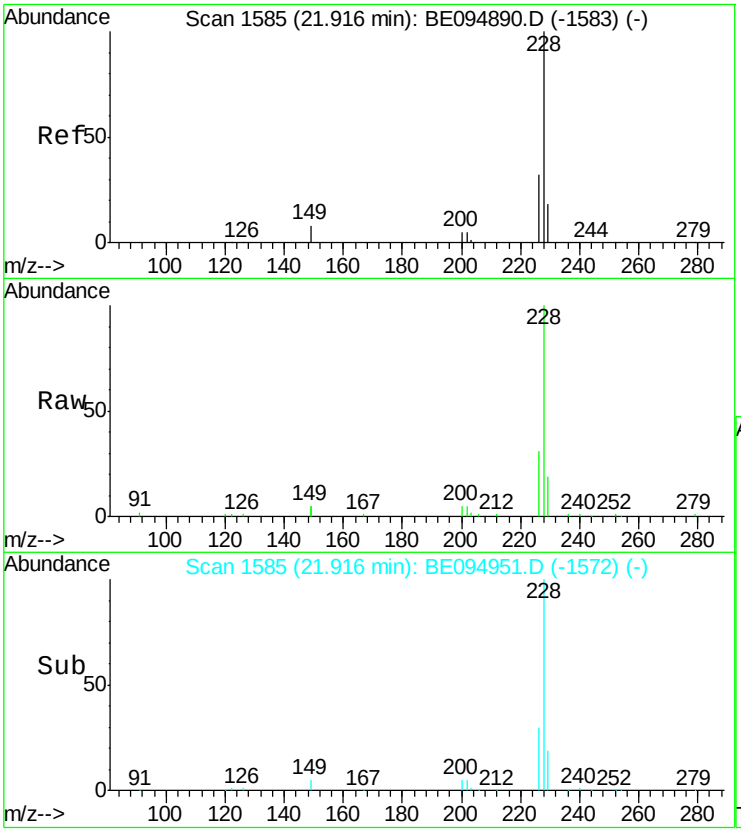


#30
Benzo(a)anthracene
Concen: 0.395 ng
RT: 21.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:228 Resp: 25969

Ion	Ratio	Lower	Upper
228	100		
226	26.5	40.0	60.0#
229	20.5	40.0	60.0#



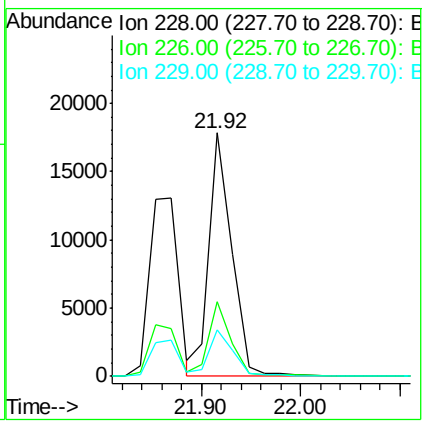


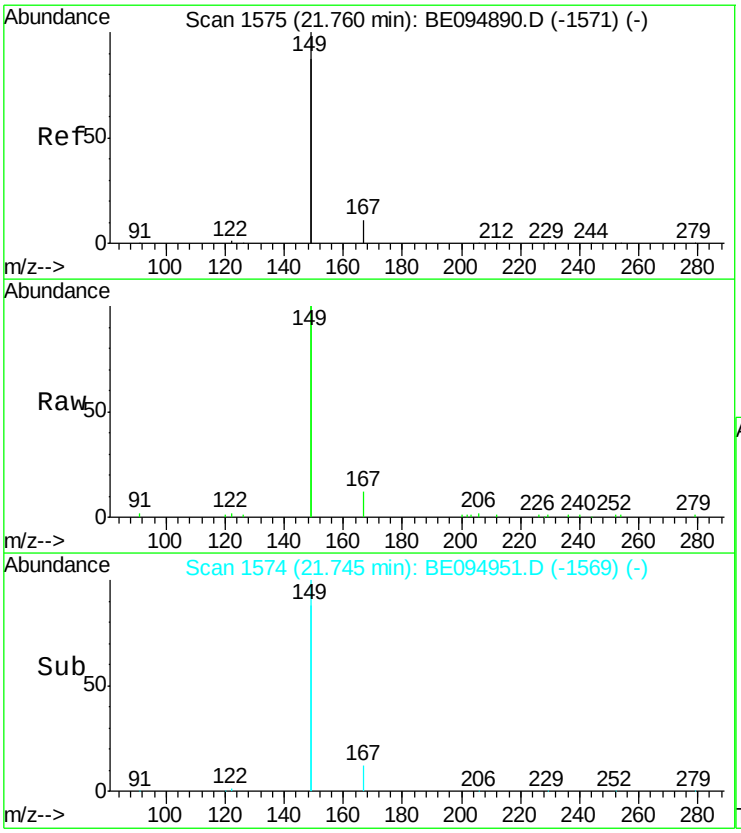
#31
Chrysene
Concen: 0.420 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 30502

Ion	Ratio	Lower	Upper
228	100		
226	30.6	40.0	60.0#
229	19.0	40.0	60.0#

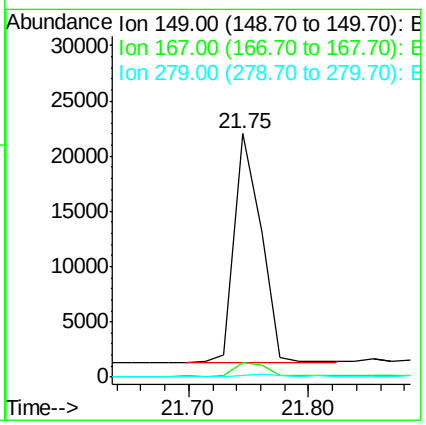


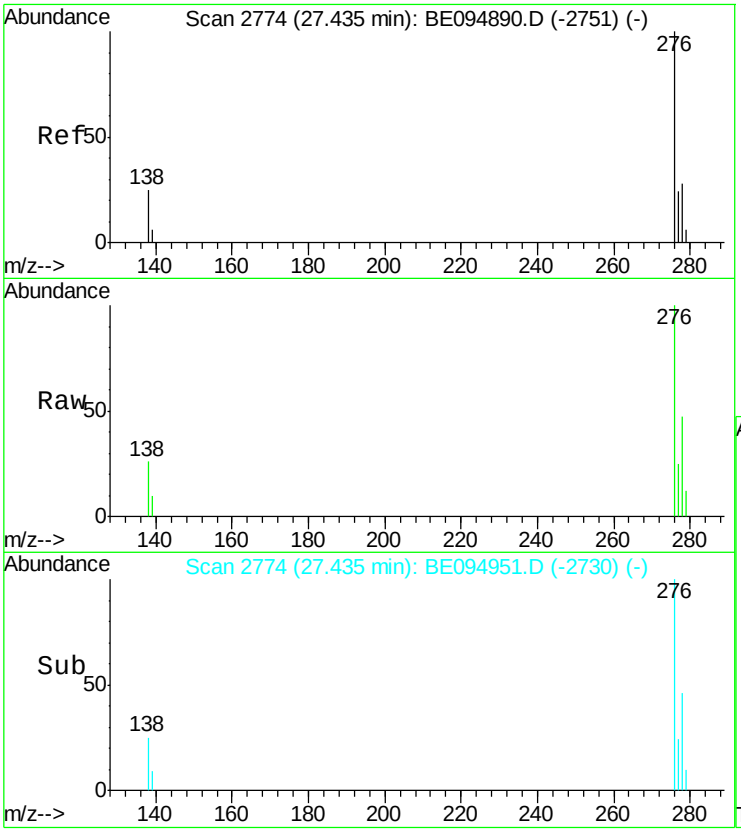


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.289 ng
RT: 21.75 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:149 Resp: 31494

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.4	8.0
279	0.9	0.7	1.1



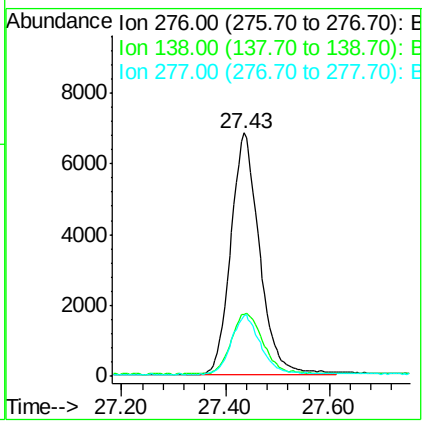


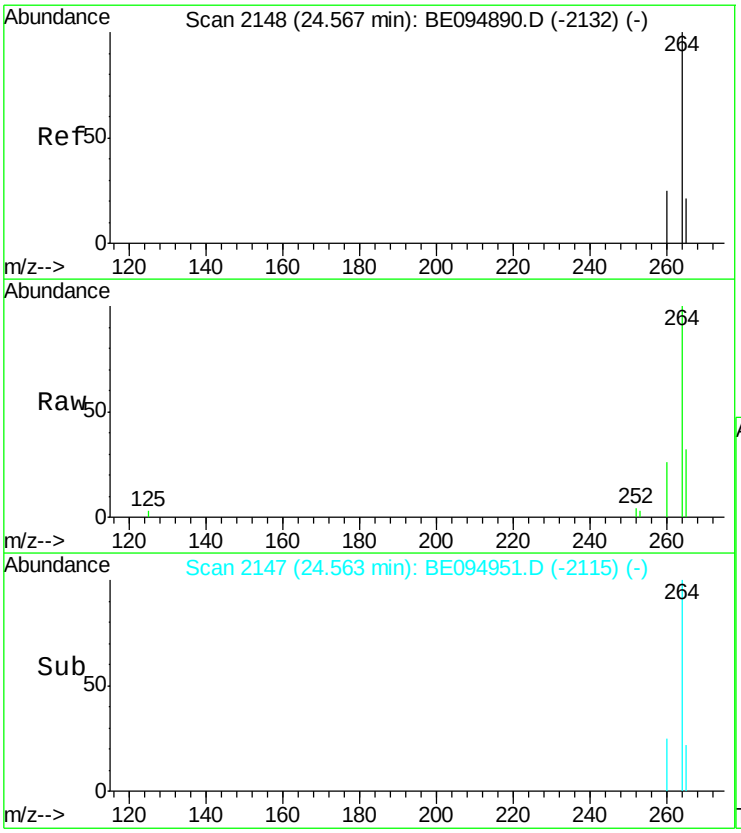
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.440 ng
RT: 27.43 min Scan# 2774
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 26167

Ion	Ratio	Lower	Upper
276	100		
138	27.5	22.5	33.7
277	24.6	19.9	29.9

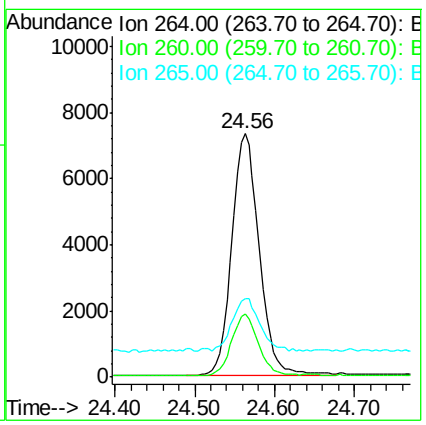


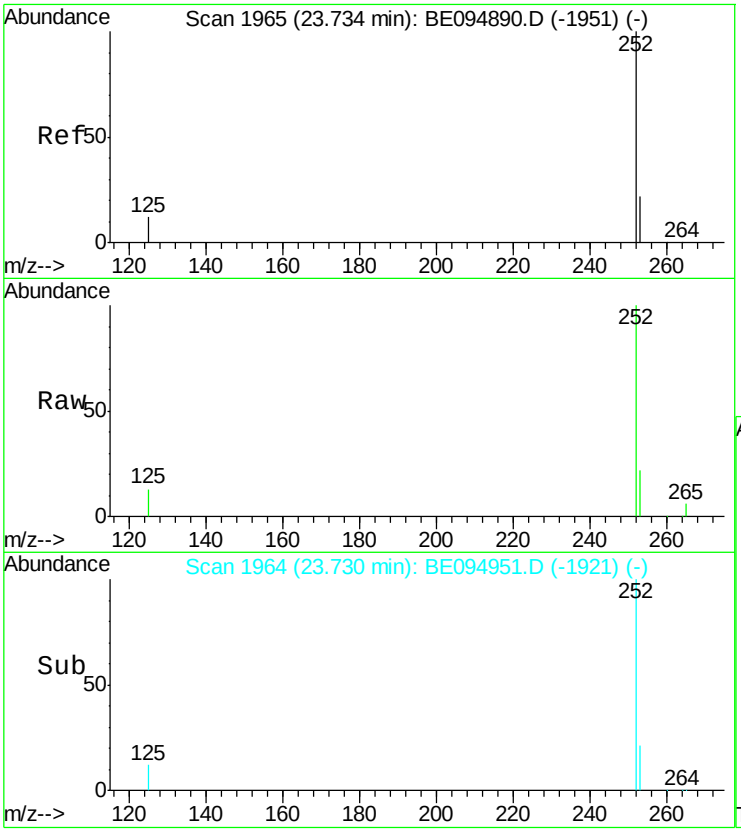


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.56 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:264 Resp: 17424

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	32.2	22.8	34.2



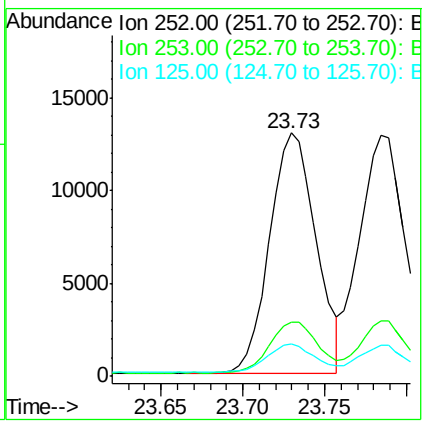


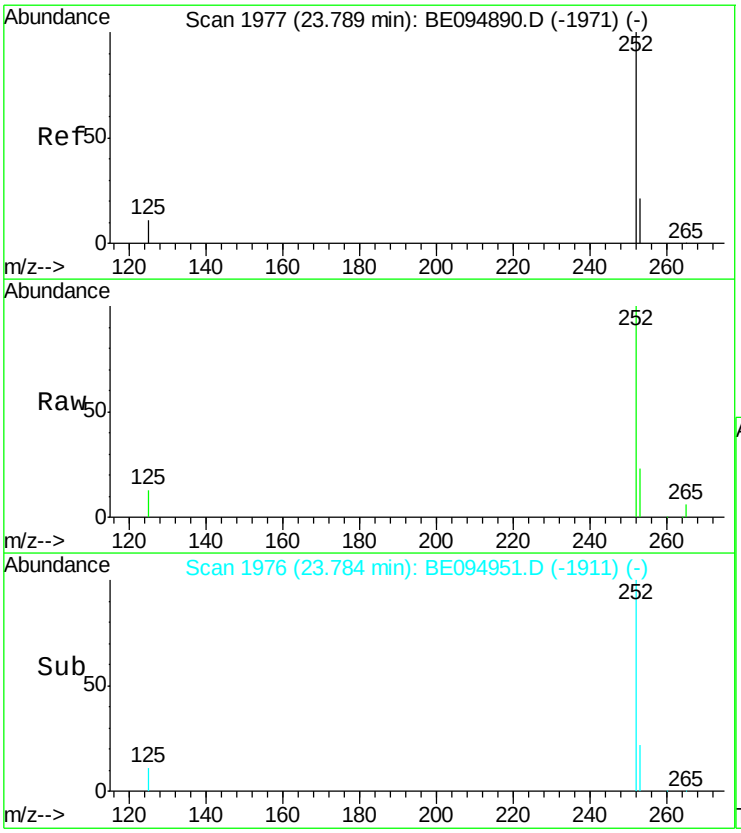
#35
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 25725

Ion	Ratio	Lower	Upper
252	100		
253	22.3	48.0	72.0#
125	13.3	56.0	84.0#

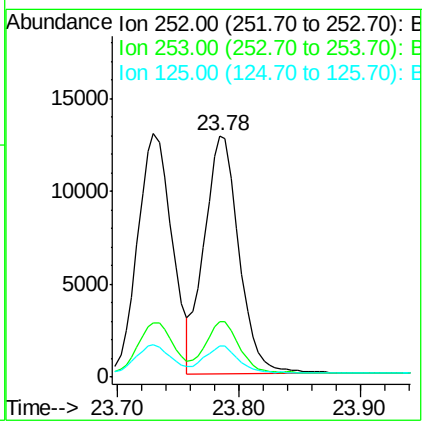


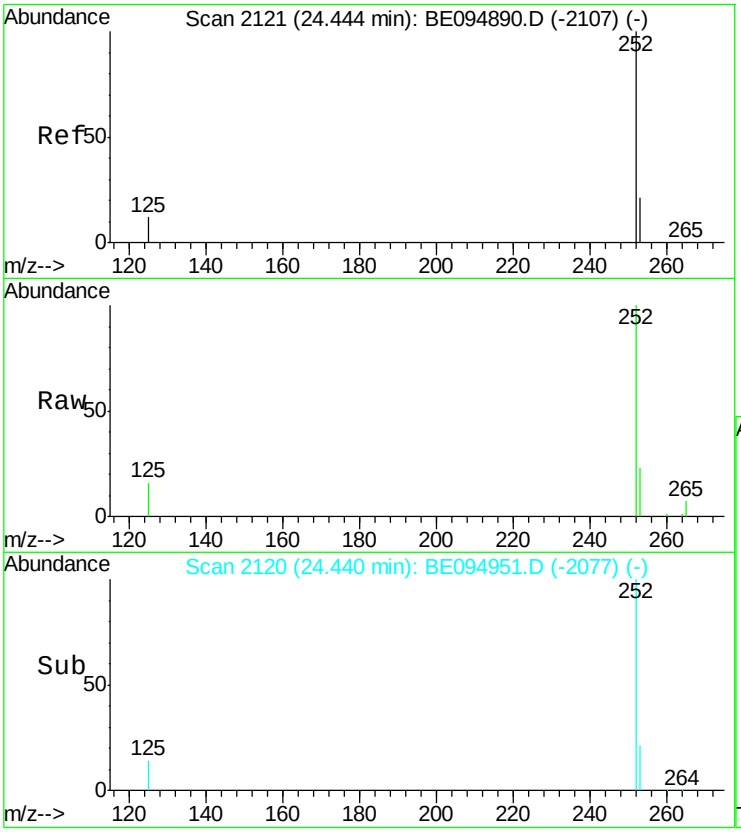


#36
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:252 Resp: 25594

Ion	Ratio	Lower	Upper
252	100		
253	22.8	48.0	72.0#
125	12.9	56.0	84.0#



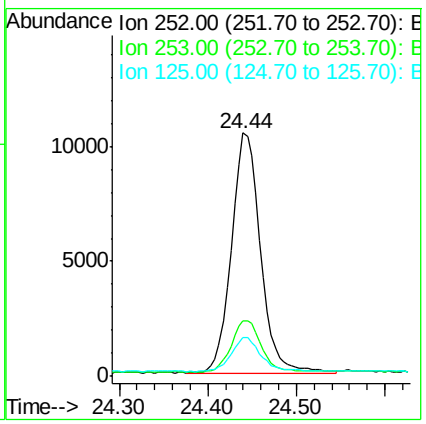


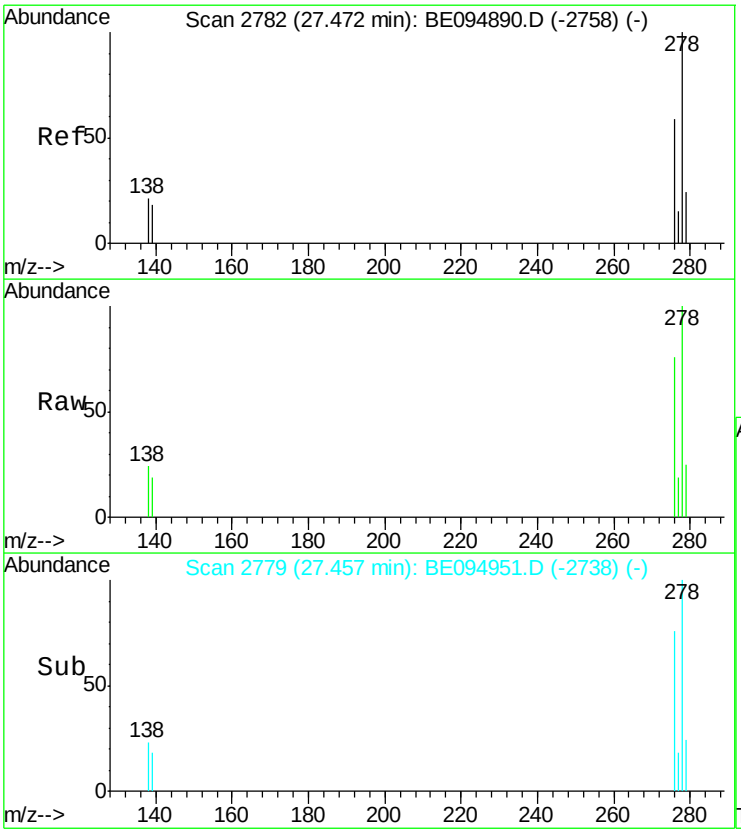
#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 24.44 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 23691

Ion	Ratio	Lower	Upper
252	100		
253	22.7	52.0	78.0#
125	15.7	68.0	102.0#

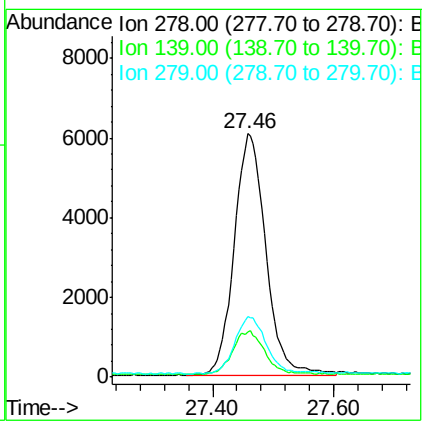


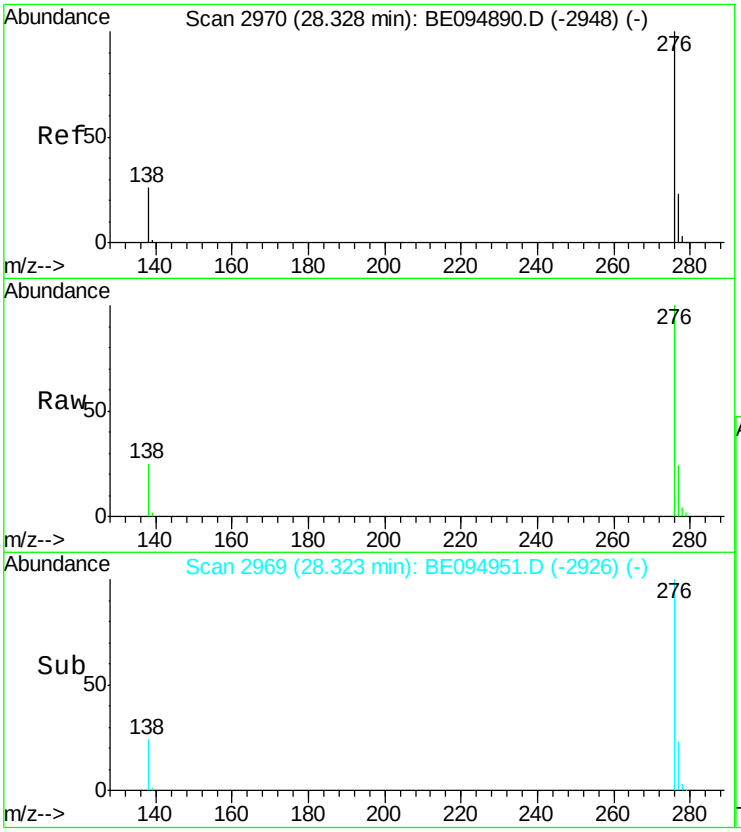


#38
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 27.46 min Scan# 2779
Delta R.T. -0.01 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Tgt Ion:278 Resp: 21910

Ion	Ratio	Lower	Upper
278	100		
139	18.7	56.0	84.0#
279	24.8	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.440 ng
RT: 28.32 min Scan# 2969
Delta R.T. -0.01 min
Lab File: BE094951.D
Acq: 8 Dec 2017 16:36

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 22626

Ion	Ratio	Lower	Upper
276	100		
277	24.1	52.0	78.0#
138	25.0	44.0	66.0#