Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE120117\
Data File : BE094907.D
Acq On : 1 Dec 2017 16:26
Operator : SJ/JU
Sample : PB104512BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB104512BS

Quant Time: Dec 02 00:35:42 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	8.47	152	8218	0.40	ng		-0.01
7) Naphthalene-d8	11.33	136	16291	0.40	ng		0.00
13) Acenaphthene-d10	15.07	164	7754	0.40	ng		0.00
19) Phenanthrene-d10	17.77	188	18053	0.40	ng		0.00
27) Chrysene-d12	21.89	240	18880	0.40	ng		0.00
34) Perylene-d12	24.56	264	15673	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.95	112	3814	0.29	ng		0.00
5) Phenol-d6	7.59	99	5467	0.28	ng		0.00
8) Nitrobenzene-d5	9.67	82	3843	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.87	152	8019	0.31	ng		0.00
14) 2,4,6-Tribromophenol	16.53	330	365	0.28	ng		0.00
15) 2-Fluorobiphenyl	13.71	172	11753	0.35	ng		0.00
25) Fluoranthene-d10	19.76	212	71407	0.29	ng		0.00
29) Terphenyl-d14	20.33	244	13330	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.68	88	2569	0.299	ng	#	18
3) n-Nitrosodimethylamine	4.02	42	3710	0.339	ng		88
6) bis(2-Chloroethyl)ether	7.87	93	6724	0.352	ng		98
9) Naphthalene	11.38	128	73175	0.383	ng		99
10) Hexachlorobutadiene	11.64	225	3148	0.391	ng		98
12) 2-Methylnaphthalene	12.94	142	17284	0.364	ng		98
16) Acenaphthylene	14.79	152	15967	0.364	ng		100
17) Acenaphthene	15.13	154	10380	0.367	ng		96
18) Fluorene	16.10	166	13262	0.368	ng	#	78
20) 4-Bromophenyl-phenylether	16.97	248	3879	0.385	ng	#	68
21) Hexachlorobenzene	17.08	284	3850	0.392	ng	#	79
22) Pentachlorophenol	17.43	266	1318	0.539	ng	#	74
23) Phenanthrene	17.82	178	22087	0.384	ng		98
24) Anthracene	17.91	178	23206	0.380	ng	#	91
26) Fluoranthene	19.79	202	25864	0.350	ng		99
28) Pyrene	20.13	202	25887	0.397	ng	#	94
30) Benzo(a)anthracene	21.85	228	22058	0.381	ng	#	61
31) Chrysene	21.92	228	24869	0.389	ng	#	65
32) Bis(2-ethylhexyl)phthalate	21.76	149	26836	0.280	ng		99
33) Indeno(1,2,3-cd)pyrene	27.43	276	23077	0.441	ng		99
35) Benzo(b)fluoranthene	23.73	252	21996	0.384	ng	#	41
36) Benzo(k)fluoranthene	23.78	252	21007	0.360	ng	#	40
37) Benzo(a)pyrene	24.44	252	19444	0.388	ng	#	34
38) Dibenzo(a,h)anthracene	27.46	278	19355	0.418	ng	#	43
39) Benzo(g,h,i)perylene	28.32	276	19995	0.432	ng	#	55

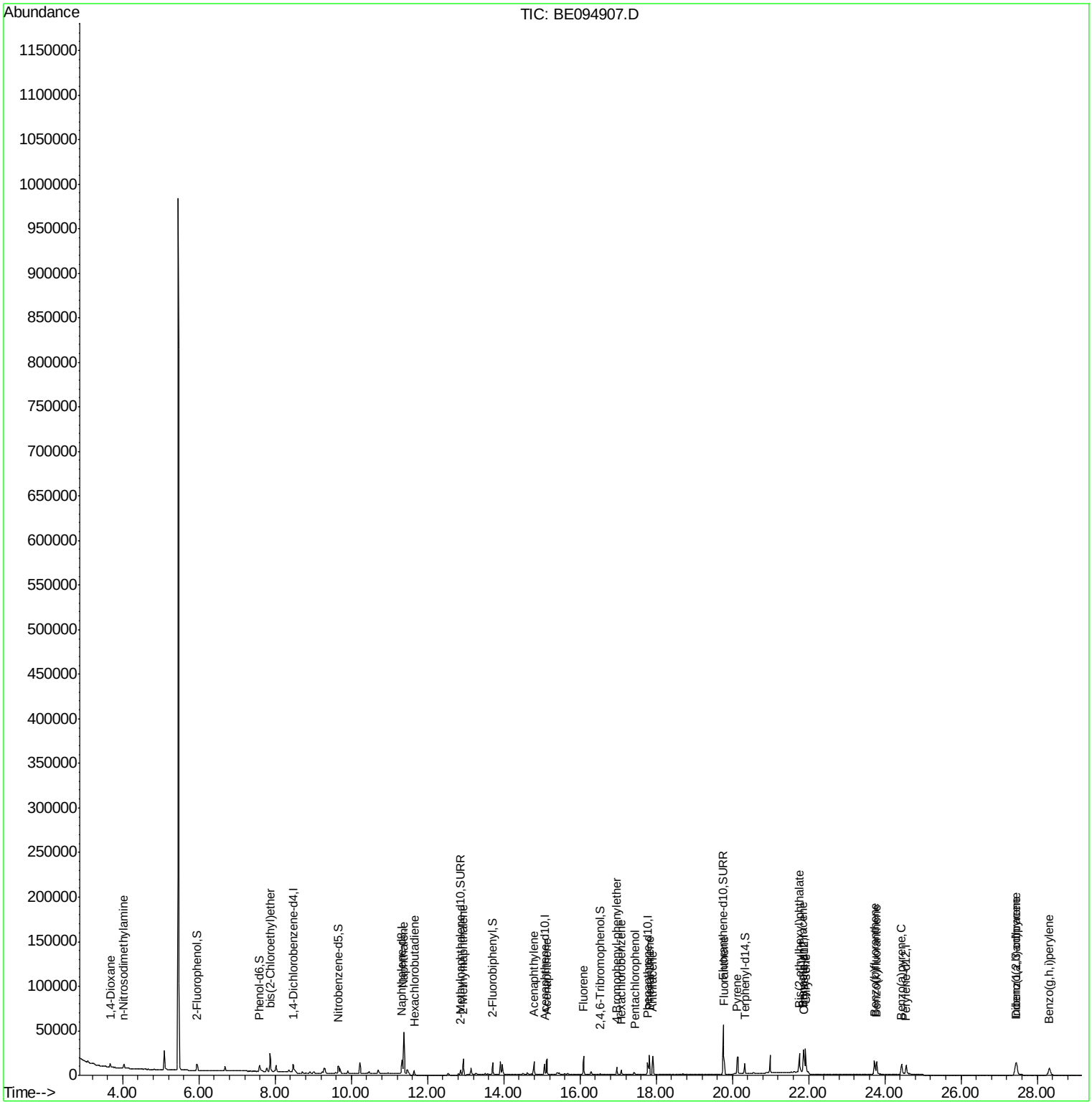
(#) = qualifier out of range (m) = manual integration (+) = signals summed

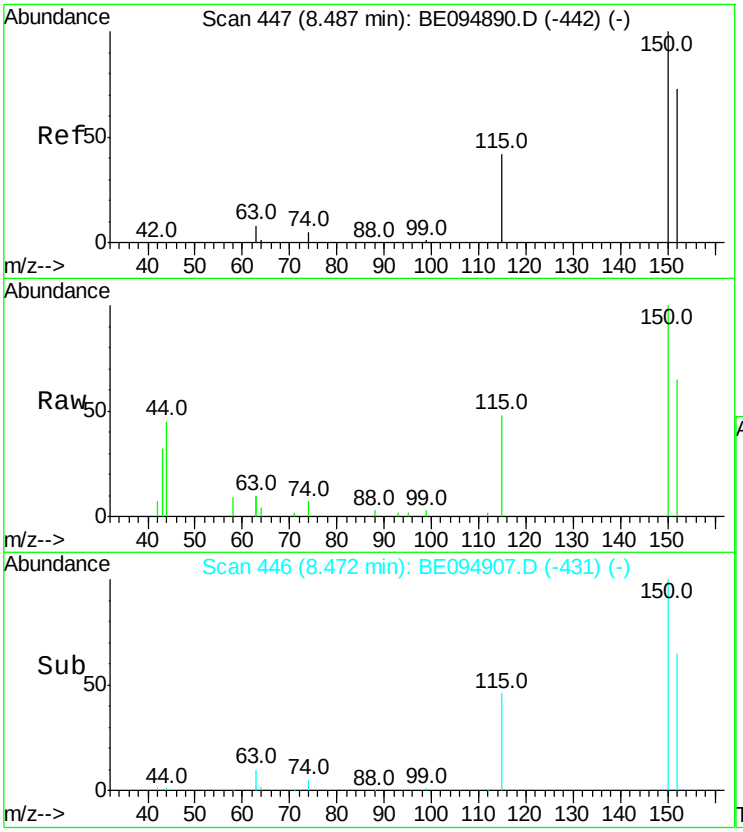
Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE120117\
Data File : BE094907.D
Acq On : 1 Dec 2017 16:26
Operator : SJ/JU
Sample : PB104512BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Quant Time: Dec 02 00:35:42 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



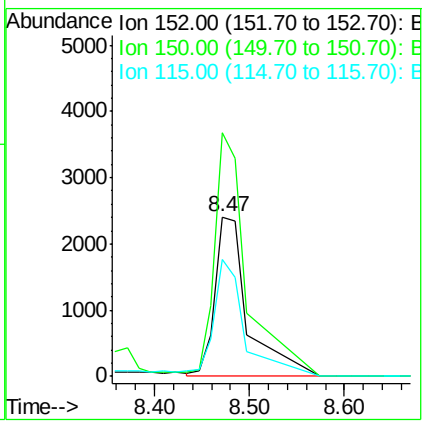


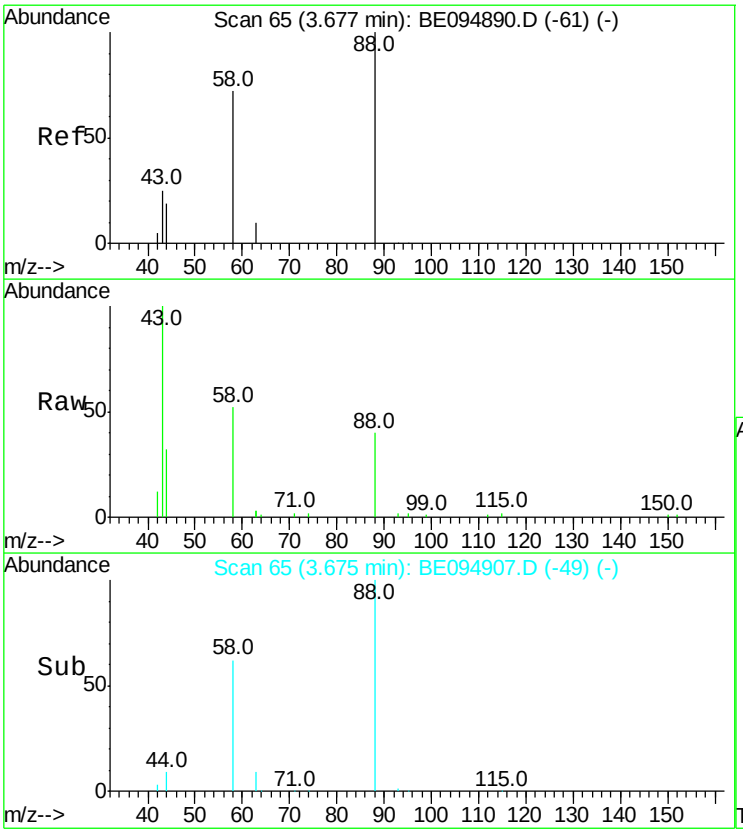
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:152 Resp: 8218

Ion	Ratio	Lower	Upper
152	100		
150	152.8	117.2	175.8
115	73.3	57.0	85.6

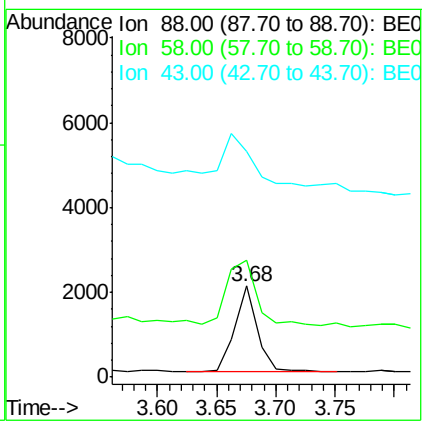


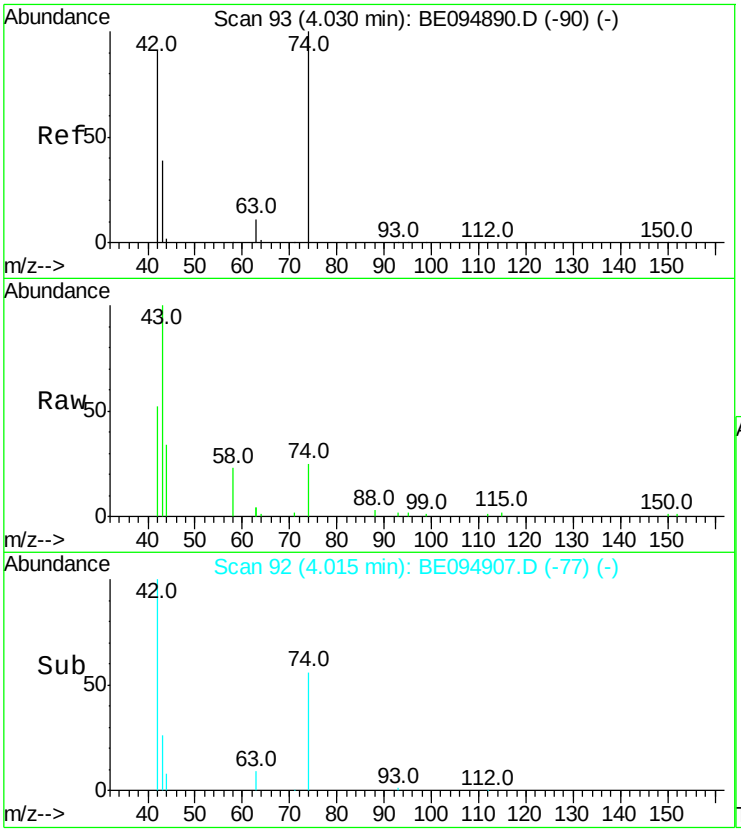


#2
1,4-Dioxane
Concen: 0.299 ng
RT: 3.68 min Scan# 65
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion: 88 Resp: 2569

Ion	Ratio	Lower	Upper
88	100		
58	114.8	63.2	94.8#
43	153.7	41.2	61.8#



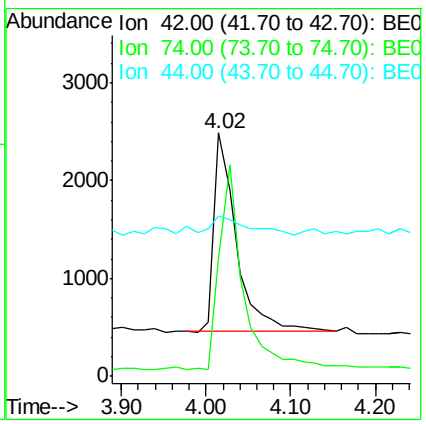


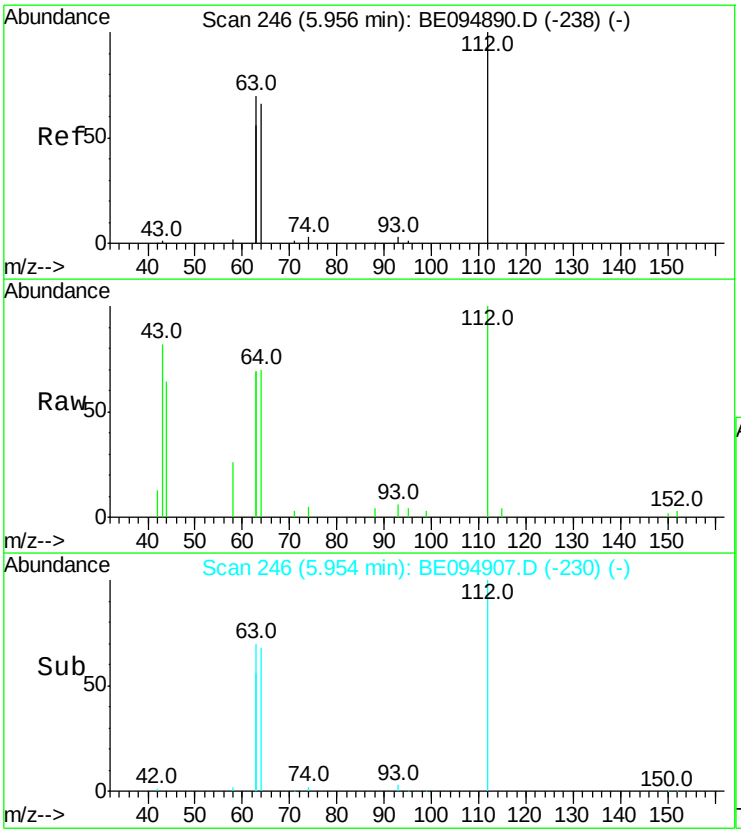
#3
n-Nitrosodimethylamine
Concen: 0.339 ng
RT: 4.02 min Scan# 92
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion: 42 Resp: 3710

Ion	Ratio	Lower	Upper
42	100		
74	111.0	100.3	150.5
44	17.2	17.0	25.4

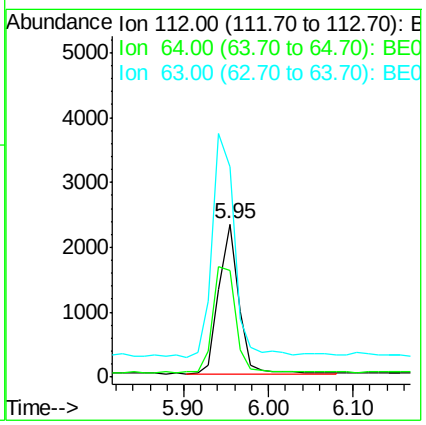


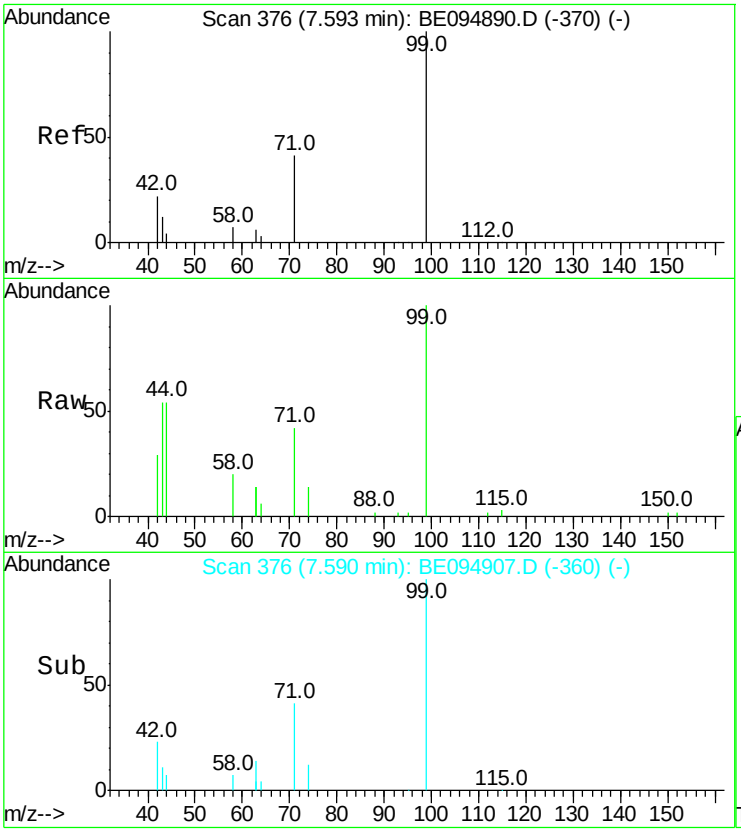


#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:112 Resp: 3814

Ion	Ratio	Lower	Upper
112	100		
64	83.4	60.1	90.1
63	168.3	116.8	175.2



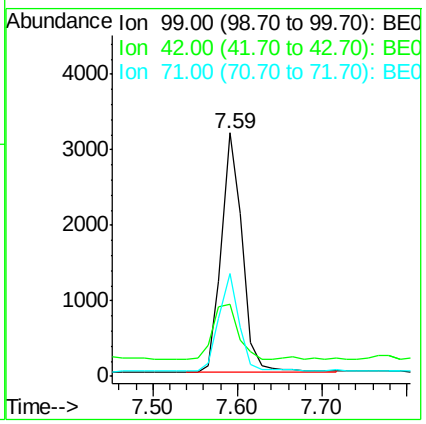


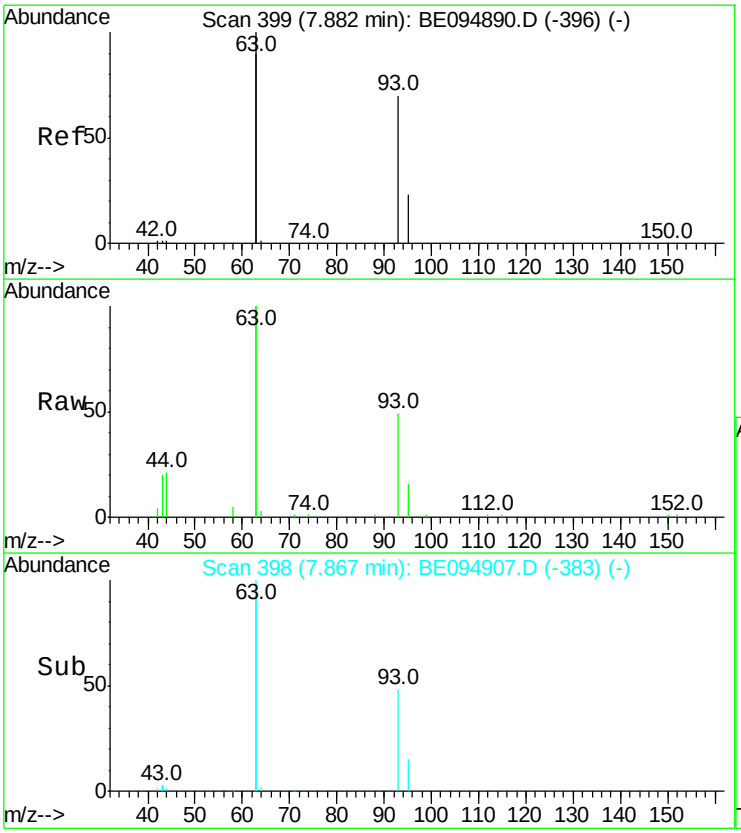
#5
Phenol-d6
Concen: 0.284 ng
RT: 7.59 min Scan# 376
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion: 99 Resp: 5467

Ion	Ratio	Lower	Upper
99	100		
42	27.7	20.2	30.2
71	39.7	28.4	42.6

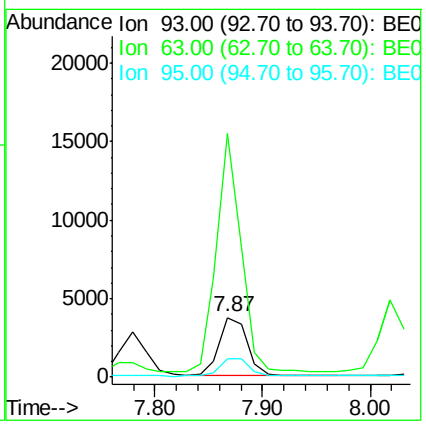


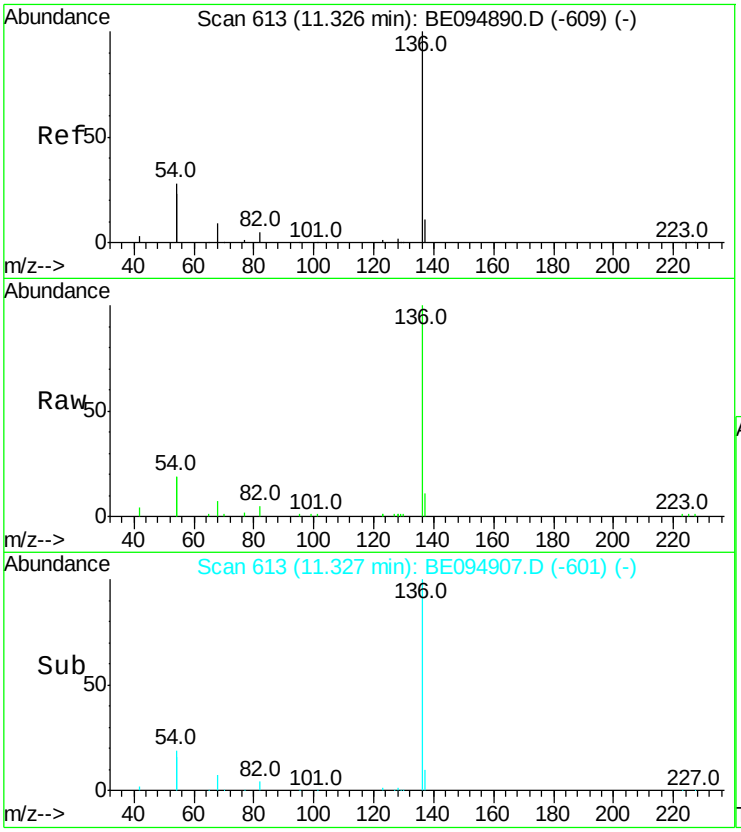


#6
bis(2-Chloroethyl)ether
Concen: 0.352 ng
RT: 7.87 min Scan# 398
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion: 93 Resp: 6724

Ion	Ratio	Lower	Upper
93	100		
63	348.8	275.3	412.9
95	32.5	25.2	37.8



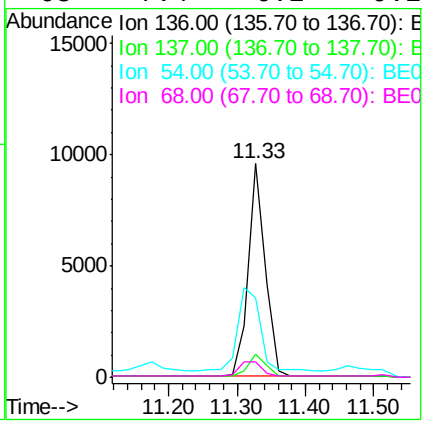


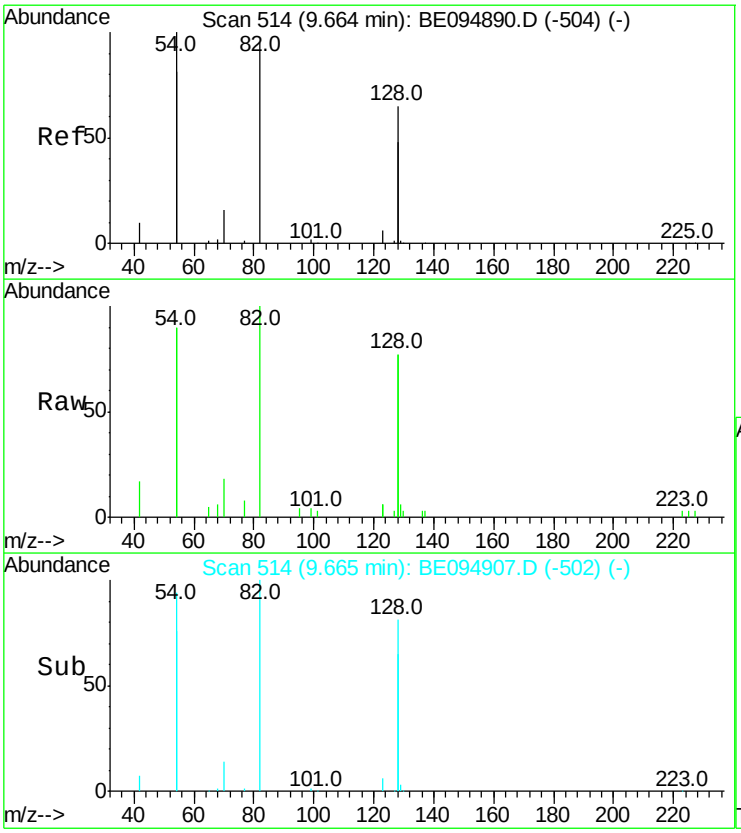
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:136 Resp: 16291

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.5	14.3
54	37.3	29.1	43.7
68	7.4	6.2	9.2

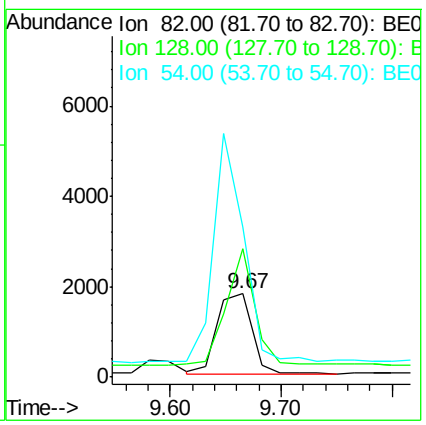


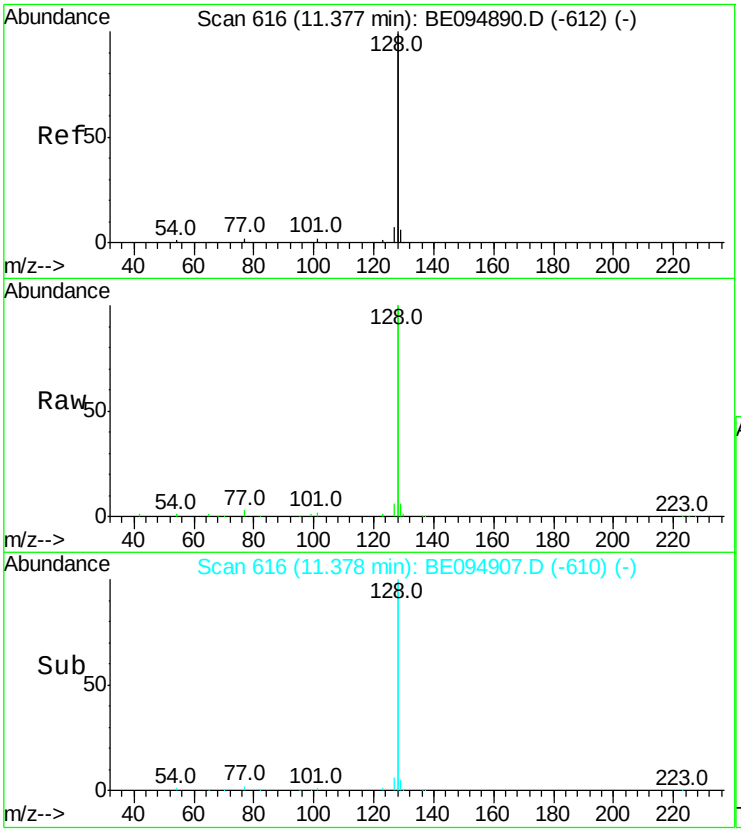


#8
Nitrobenzene-d5
Concen: 0.398 ng
RT: 9.67 min Scan# 514
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion: 82 Resp: 3843

Ion	Ratio	Lower	Upper
82	100		
128	154.9	150.0	225.0
54	180.2	154.2	231.4



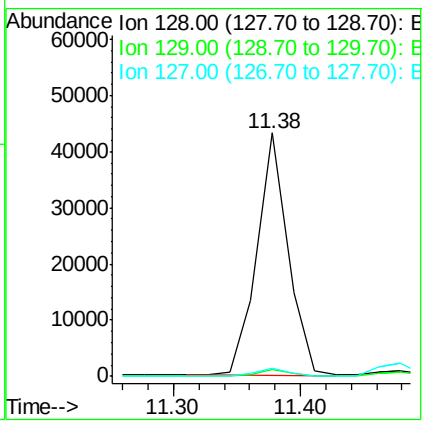


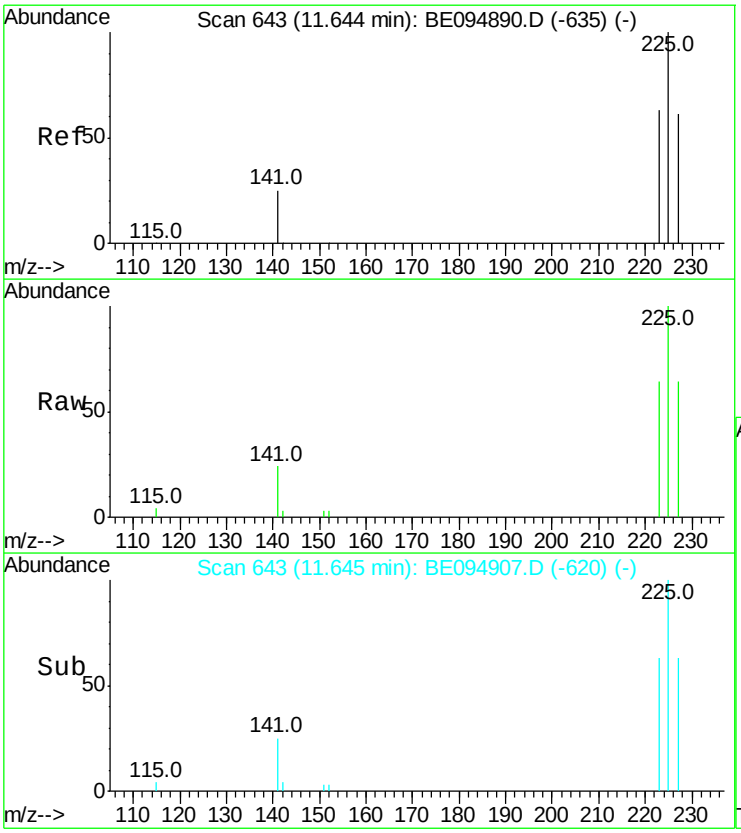
#9
Naphthalene
Concen: 0.383 ng
RT: 11.38 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:128 Resp: 73175

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.2	2.8	4.2

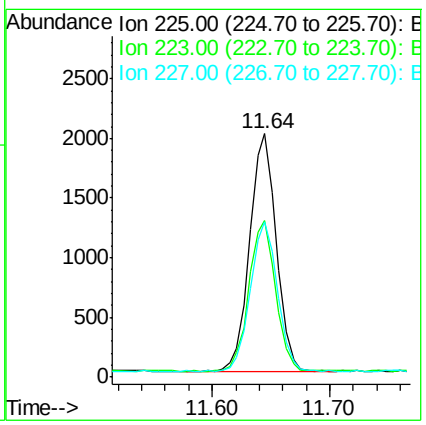


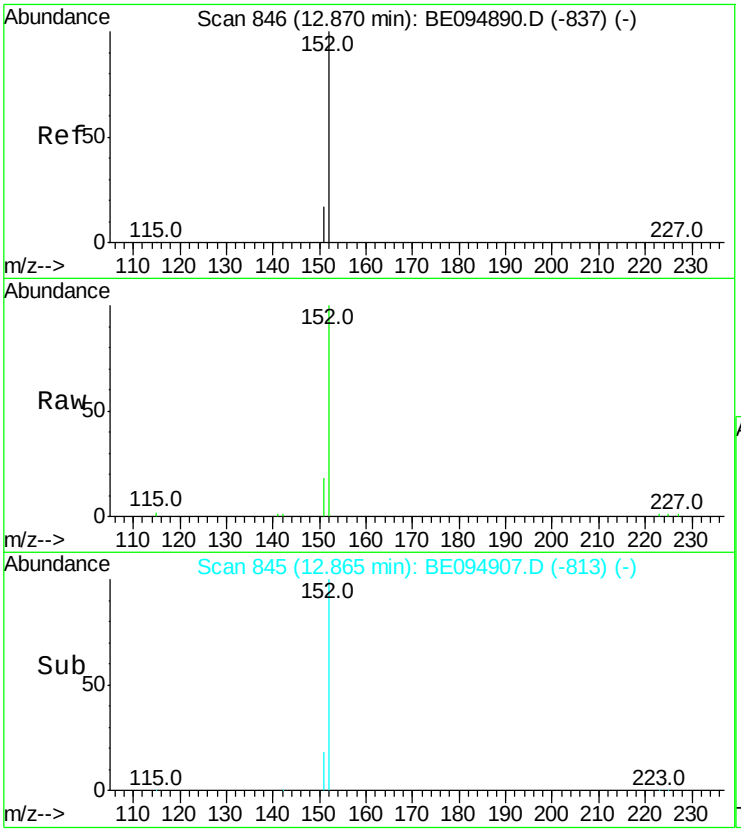


#10
Hexachlorobutadiene
Concen: 0.391 ng
RT: 11.64 min Scan# 643
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:225 Resp: 3148

Ion	Ratio	Lower	Upper
225	100		
223	63.5	53.0	79.6
227	63.7	51.4	77.2



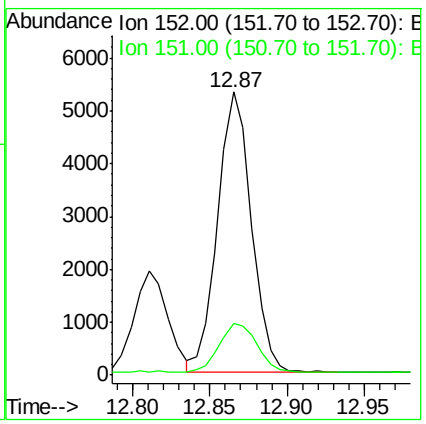


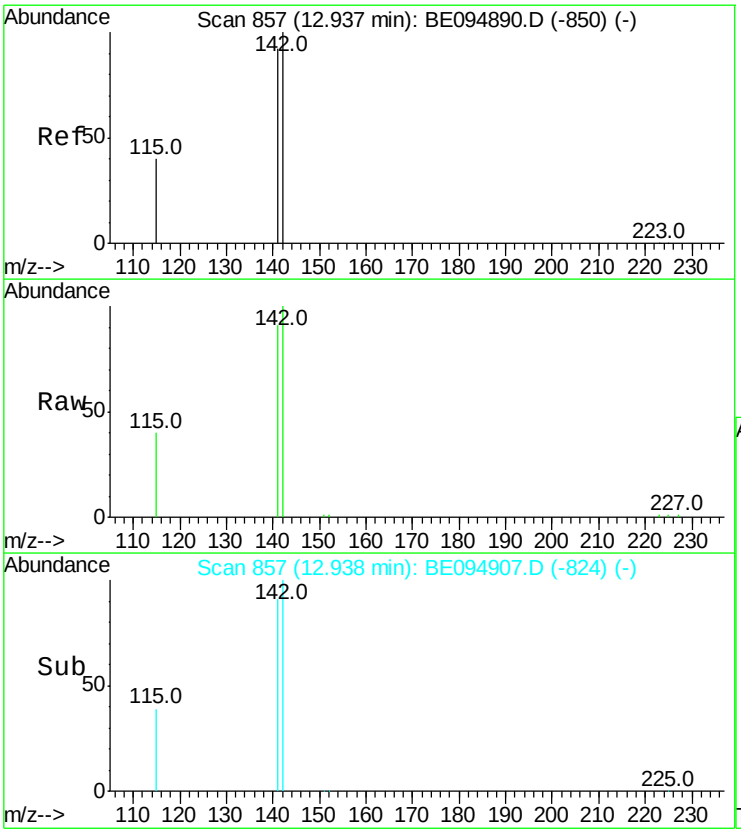
#11
2-Methylnaphthalene-d10
Concen: 0.308 ng
RT: 12.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:152 Resp: 8019

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

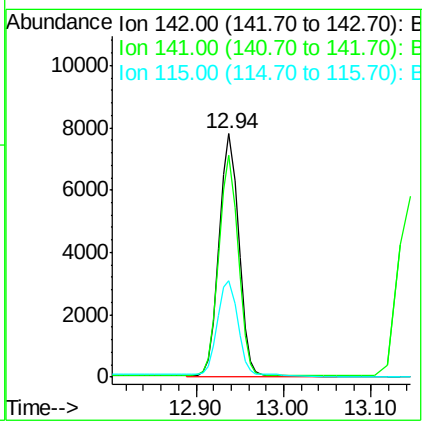


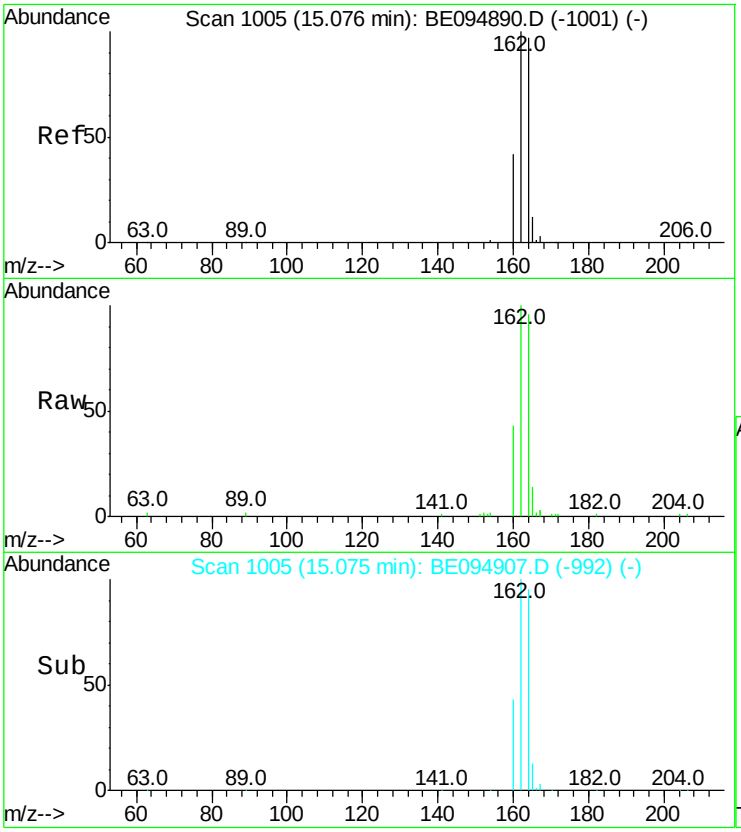


#12
2-Methylnaphthalene
Concen: 0.364 ng
RT: 12.94 min Scan# 857
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:142 Resp: 17284

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.4	105.6
115	39.9	31.7	47.5



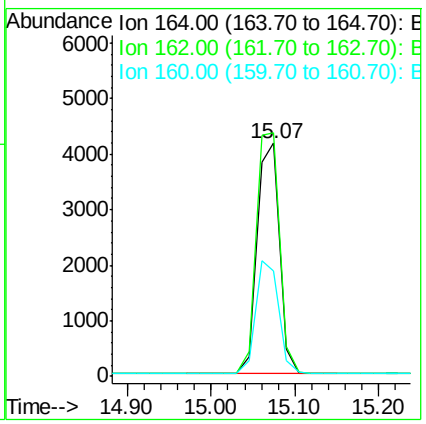


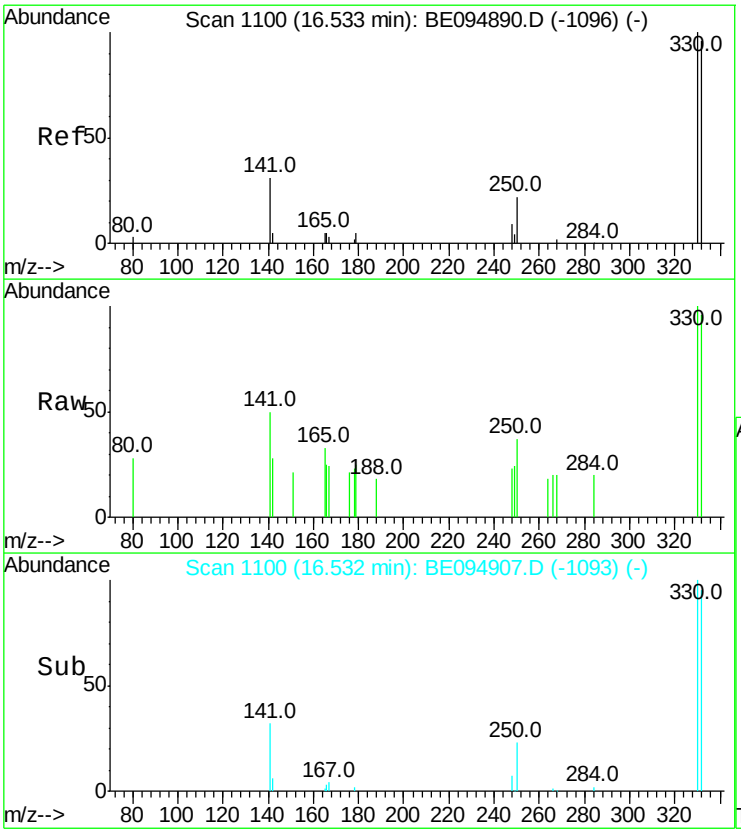
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.07 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:164 Resp: 7754

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.1	124.7
160	45.3	37.1	55.7

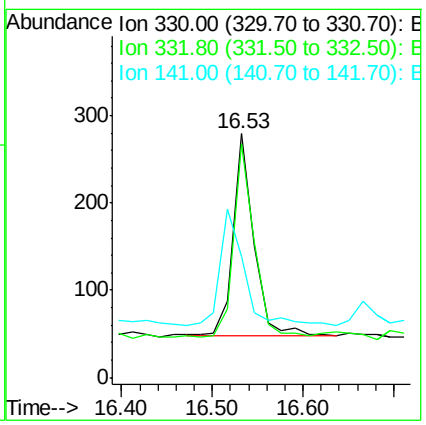


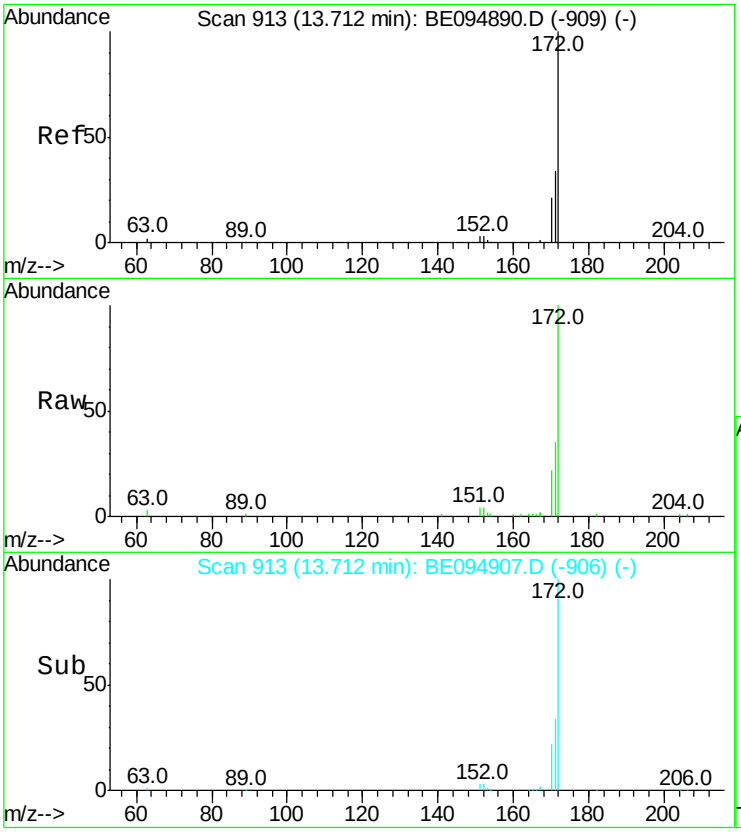


#14
2,4,6-Tribromophenol
Concen: 0.282 ng
RT: 16.53 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:330 Resp: 365

Ion	Ratio	Lower	Upper
330	100		
332	96.4	152.7	229.1#
141	64.9	33.7	50.5#



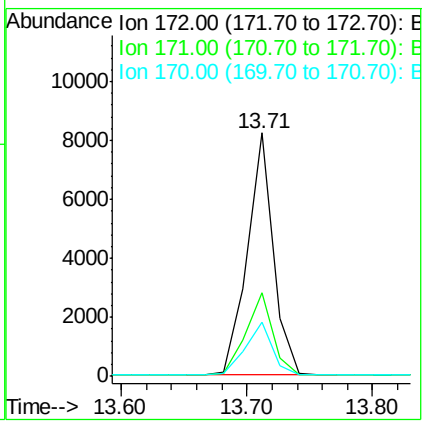


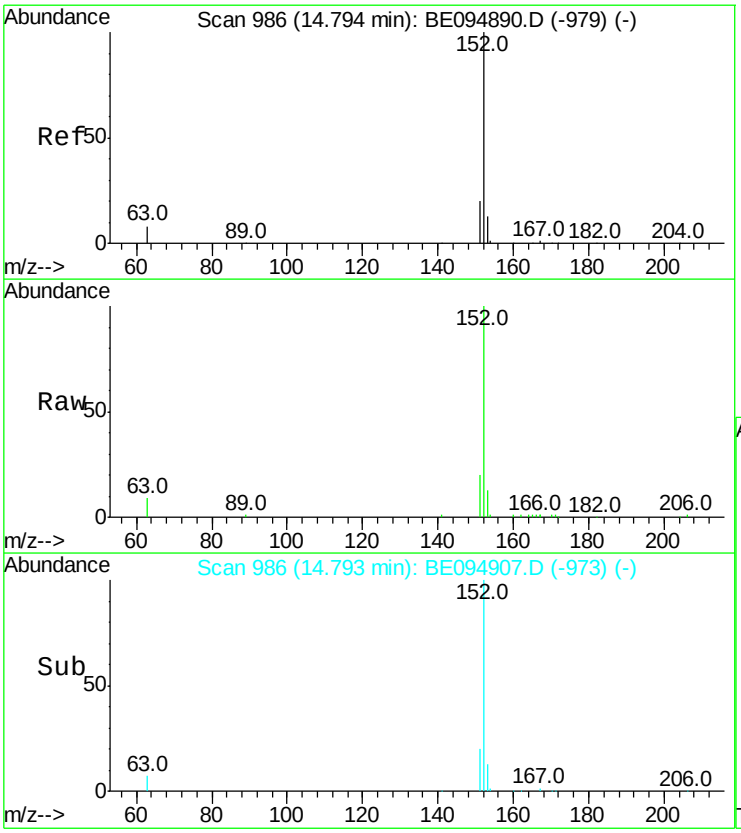
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:172 Resp: 11753

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.9	44.9
170	22.0	21.8	32.8

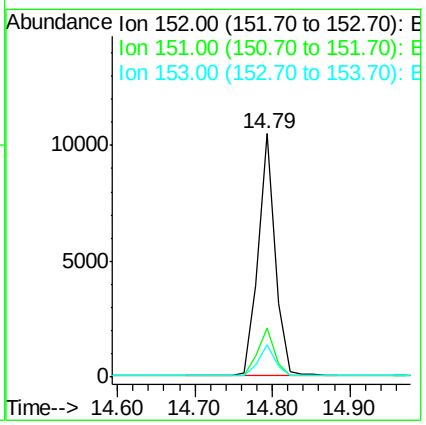


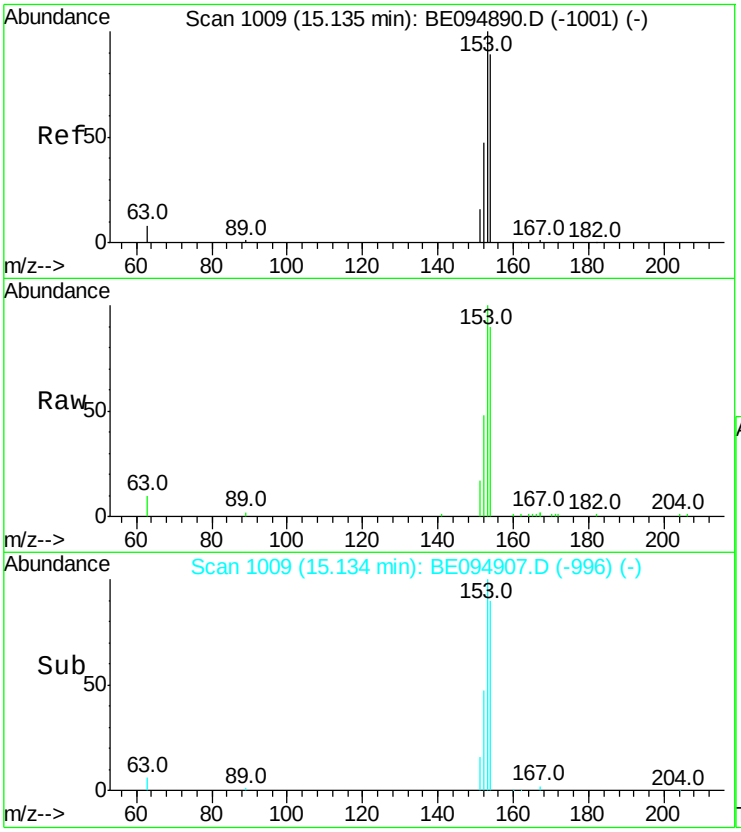


#16
Acenaphthylene
Concen: 0.364 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:152 Resp: 15967

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.1	10.5	15.7



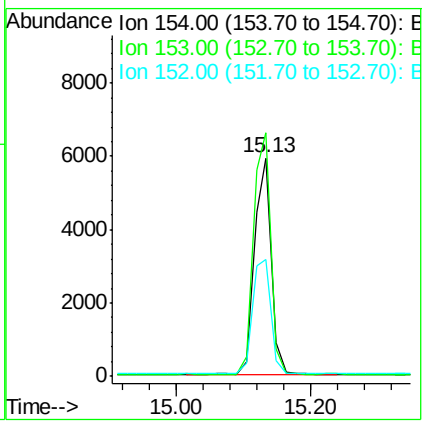


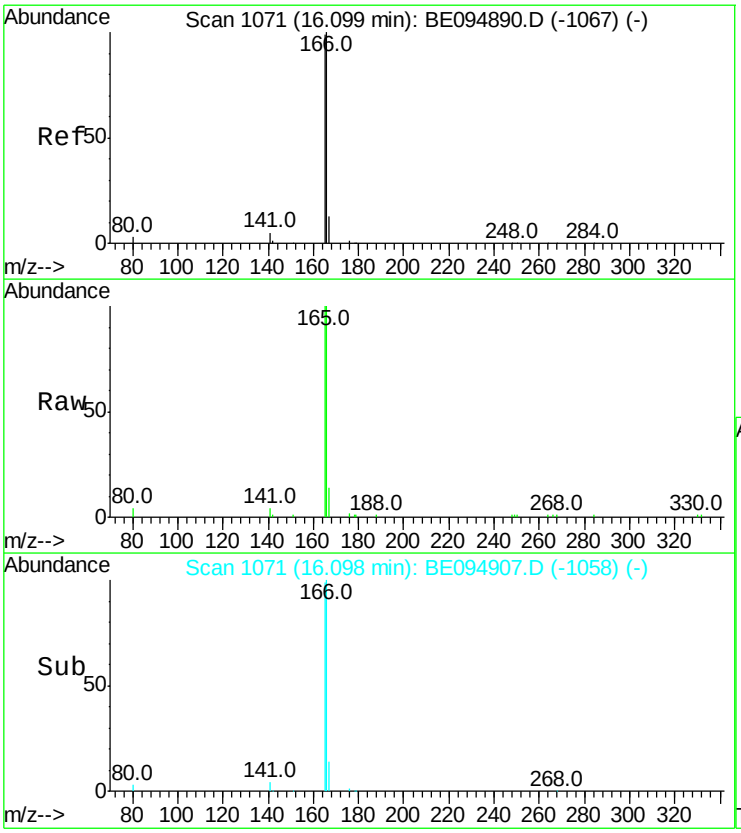
#17
Acenaphthene
Concen: 0.367 ng
RT: 15.13 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument : BNA_E
ClientSampleId : PB104512BS

Tgt Ion:154 Resp: 10380

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	57.9	42.0	63.0

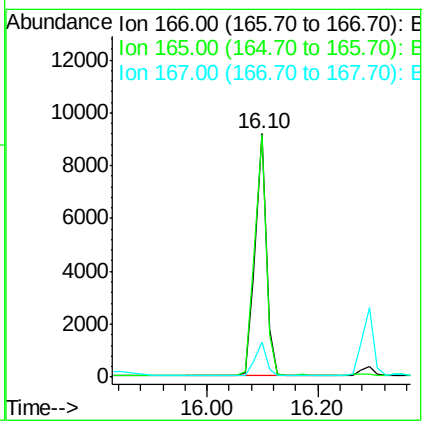


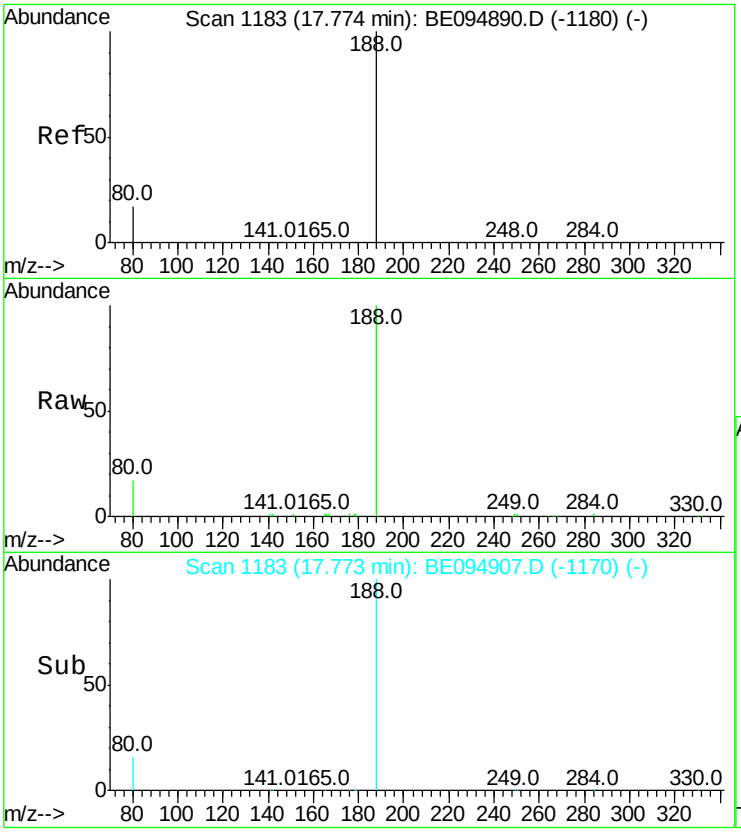


#18
Fluorene
Concen: 0.368 ng
RT: 16.10 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:166 Resp: 13262

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.6
167	14.1	42.4	63.6#



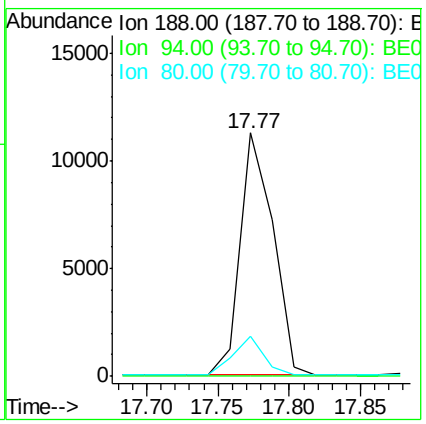


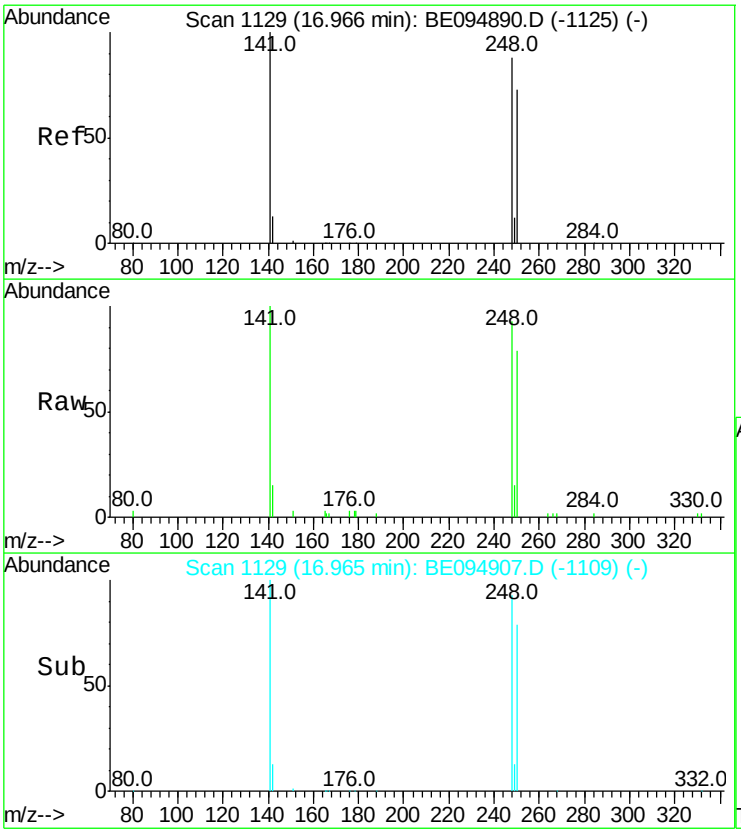
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:188 Resp: 18053

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	16.6	3.6	5.4#

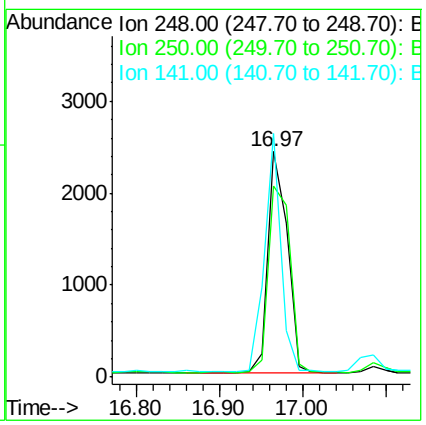


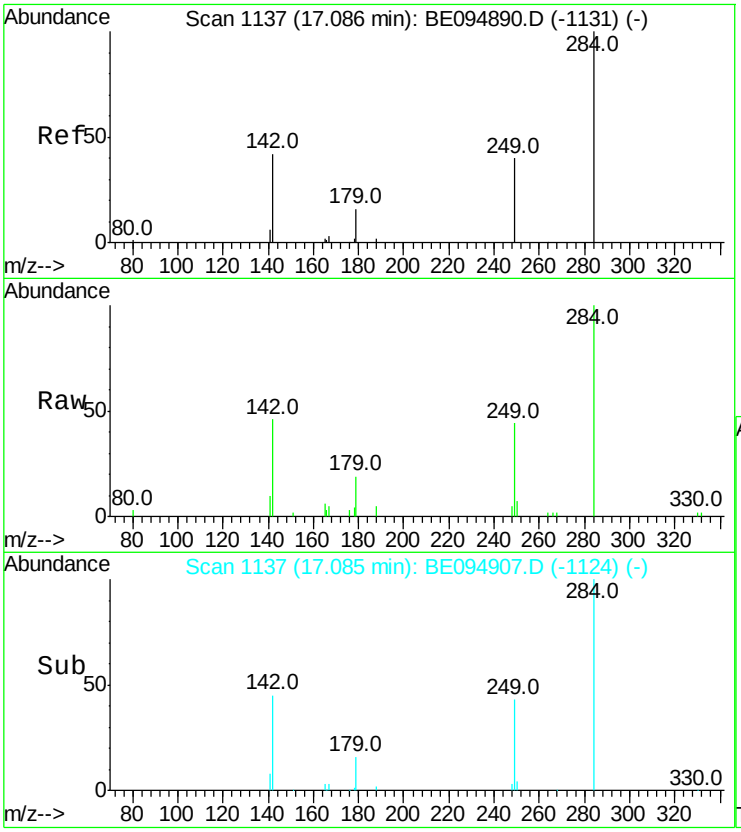


#20
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.97 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:248 Resp: 3879

Ion	Ratio	Lower	Upper
248	100		
250	84.9	62.7	94.1
141	108.0	48.2	72.2#



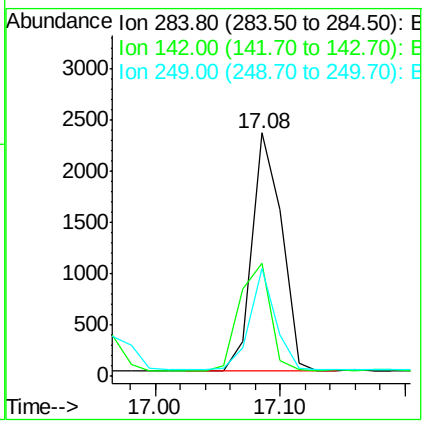


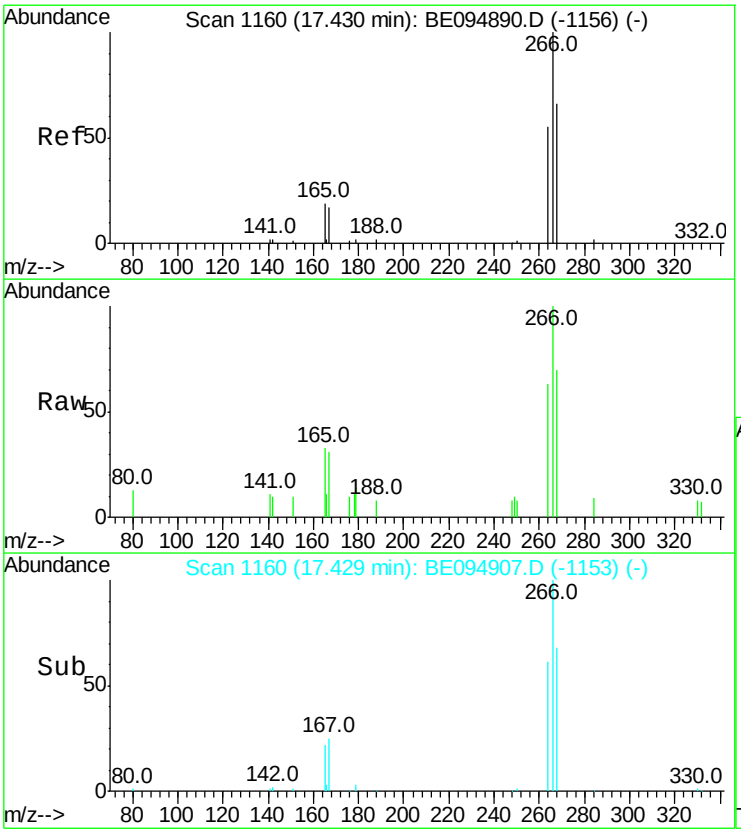
#21
Hexachlorobenzene
Concen: 0.392 ng
RT: 17.08 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:284 Resp: 3850

Ion	Ratio	Lower	Upper
284	100		
142	46.8	22.1	33.1#
249	36.3	34.8	52.2

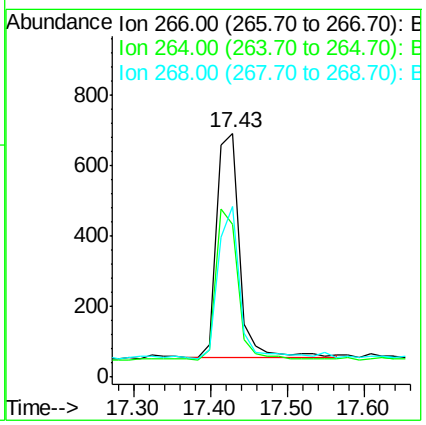


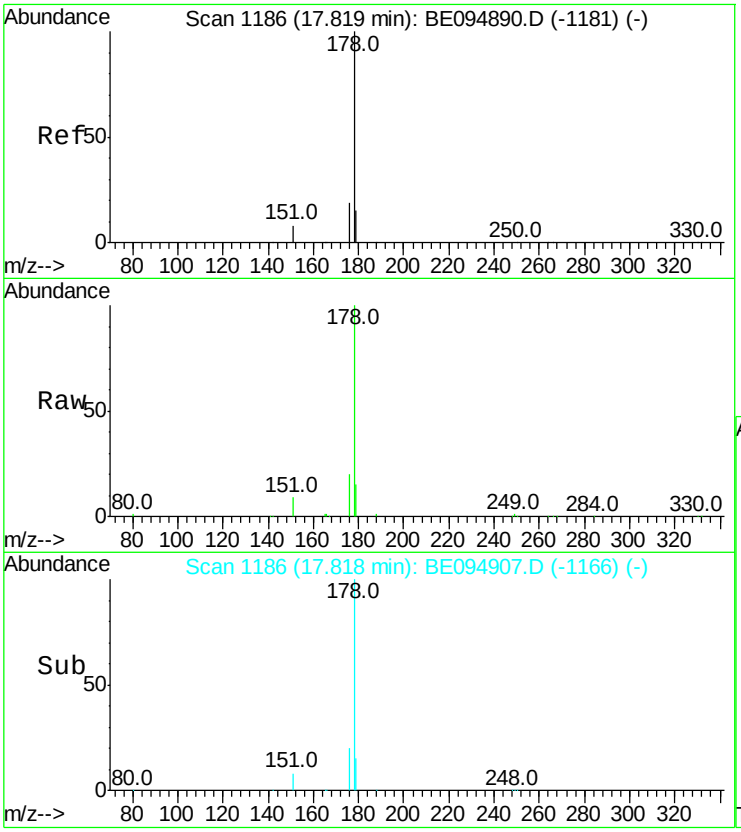


#22
Pentachlorophenol
Concen: 0.539 ng
RT: 17.43 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:266 Resp: 1318

Ion	Ratio	Lower	Upper
266	100		
264	62.7	72.5	108.7#
268	70.0	73.8	110.6#



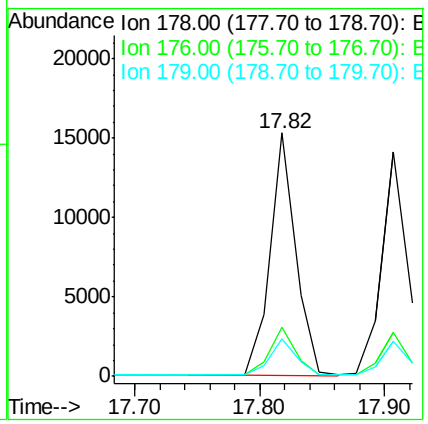


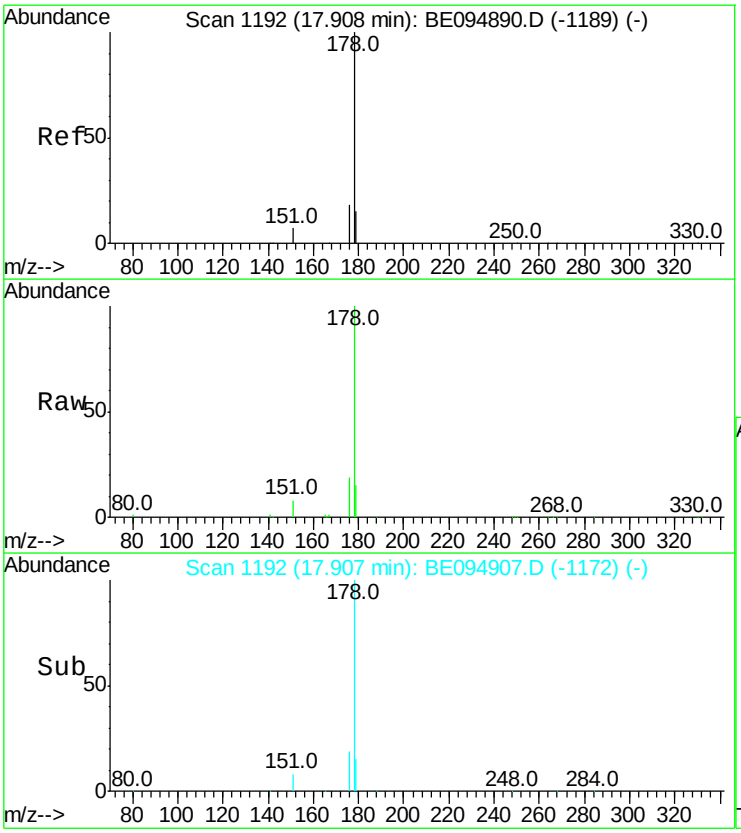
#23
Phenanthrene
Concen: 0.384 ng
RT: 17.82 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:178 Resp: 22087

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.5	11.8	17.6

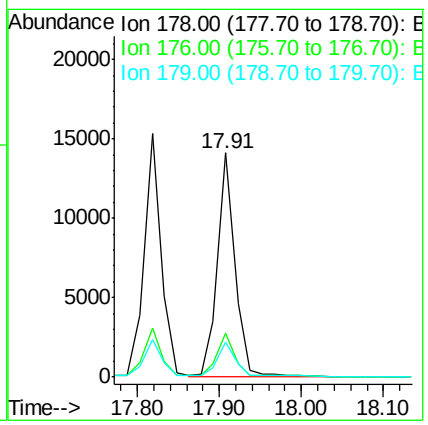


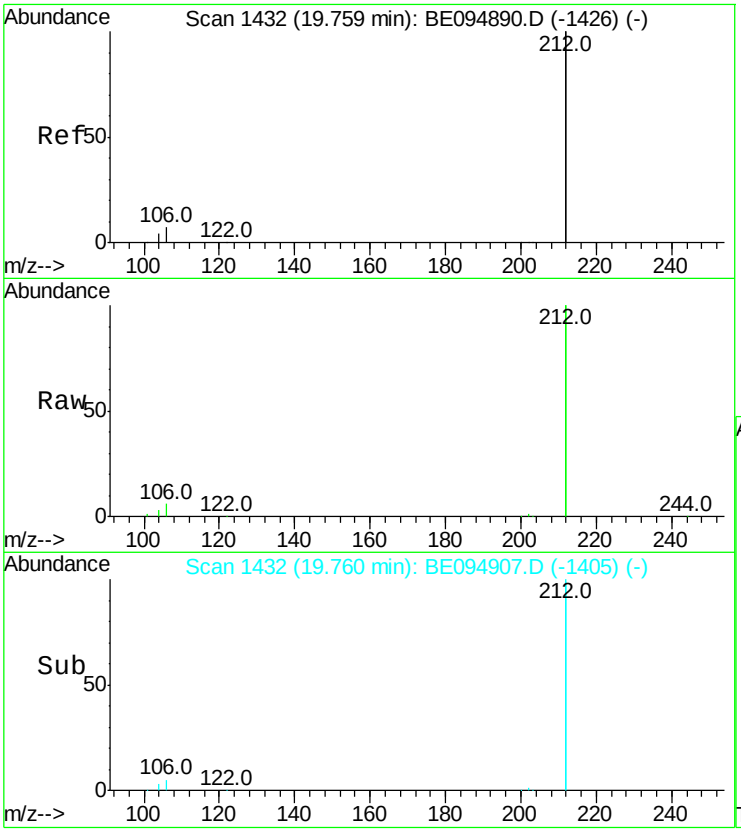


#24
Anthracene
Concen: 0.380 ng
RT: 17.91 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:178 Resp: 23206

Ion	Ratio	Lower	Upper
178	100		
176	21.4	12.8	19.2#
179	18.2	13.0	19.6



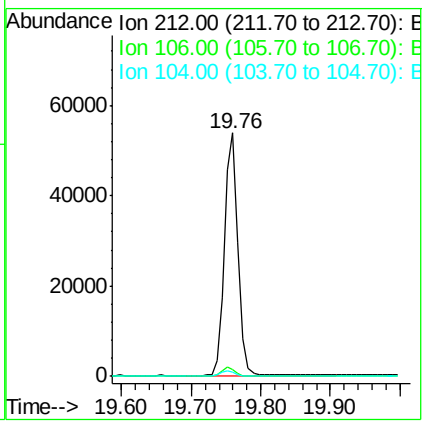


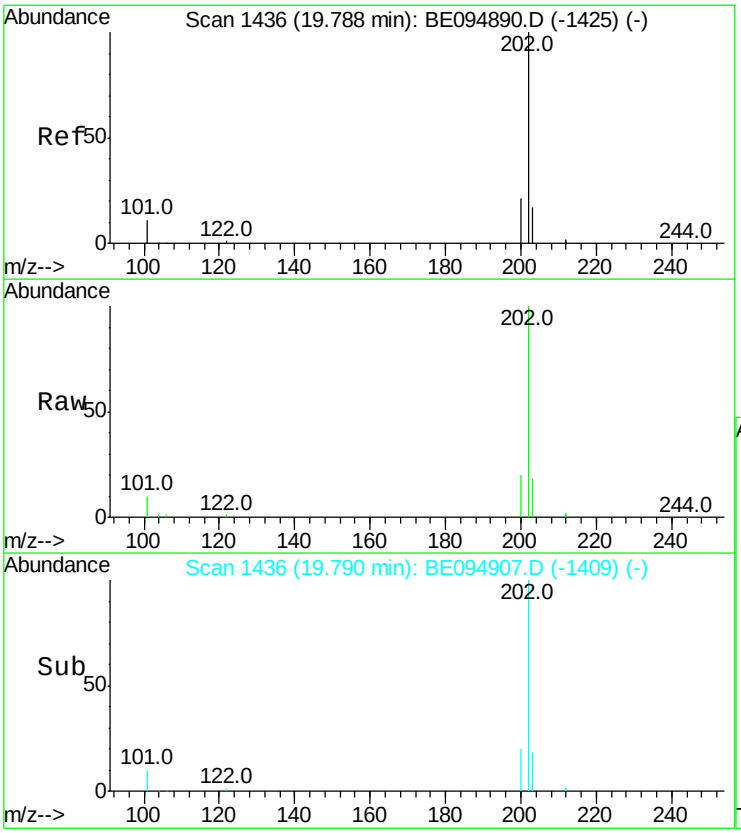
#25
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument : BNA_E
ClientSampleId : PB104512BS

Tgt Ion:212 Resp: 71407

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.1	1.6	2.4

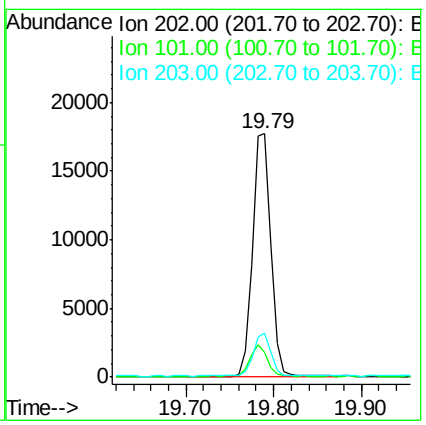


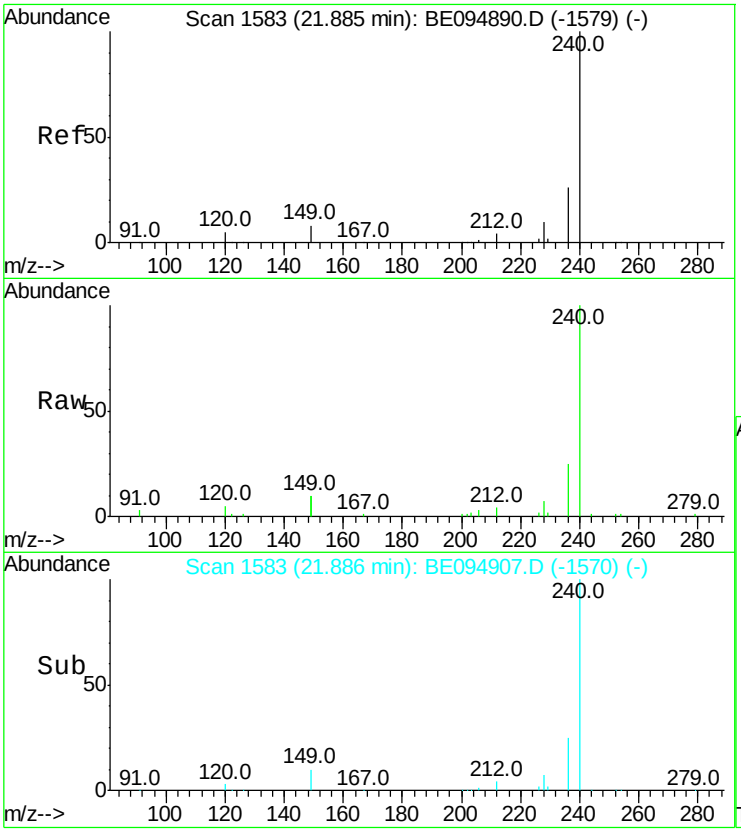


#26
Fluoranthene
Concen: 0.350 ng
RT: 19.79 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:202 Resp: 25864

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	16.8	13.7	20.5



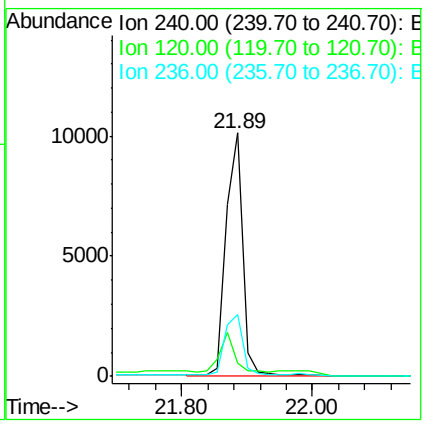


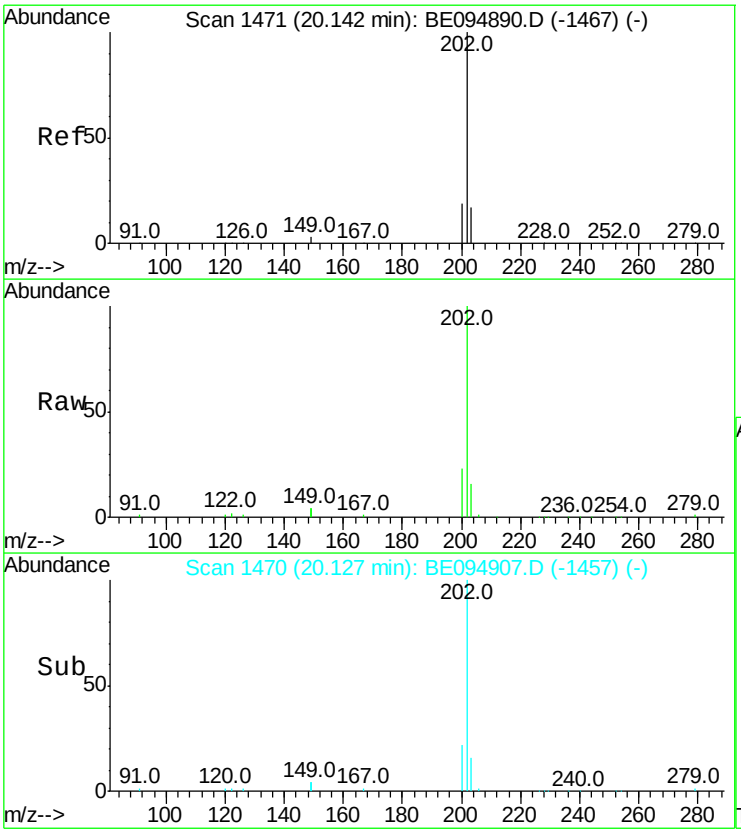
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:240 Resp: 18880

Ion	Ratio	Lower	Upper
240	100		
120	5.2	5.5	8.3#
236	25.5	20.7	31.1

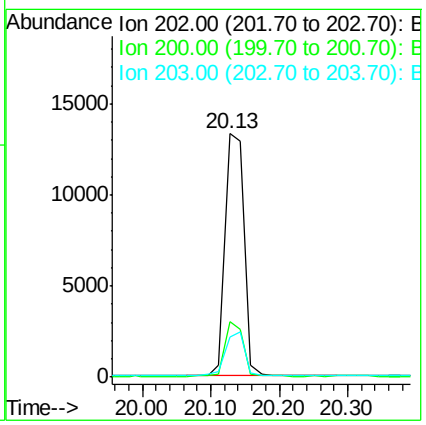


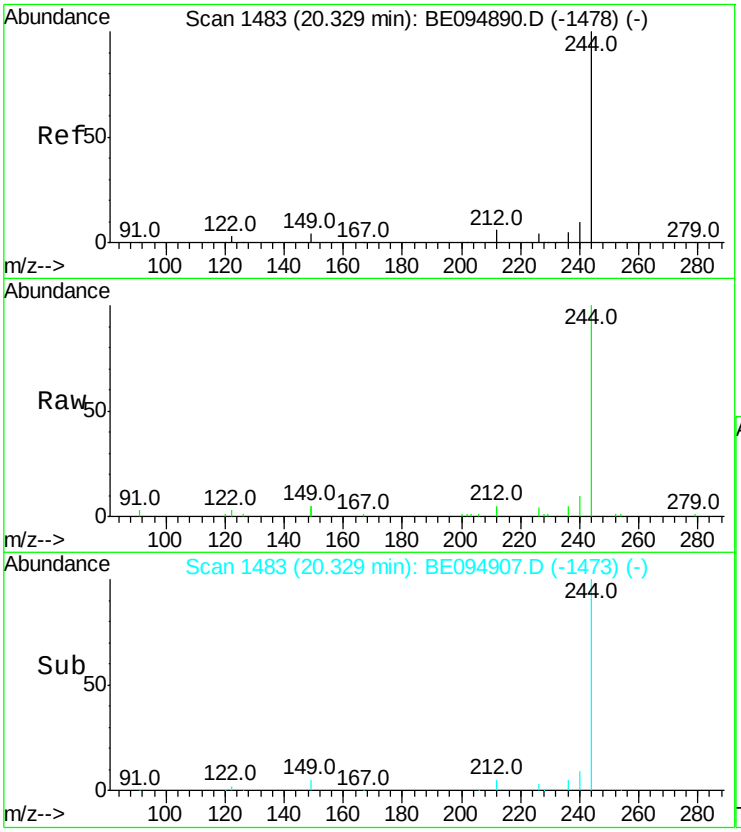


#28
Pyrene
Concen: 0.397 ng
RT: 20.13 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:202 Resp: 25887

Ion	Ratio	Lower	Upper
202	100		
200	25.2	16.6	25.0#
203	17.8	13.8	20.8



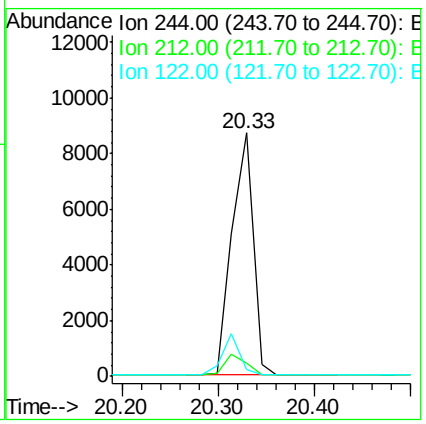


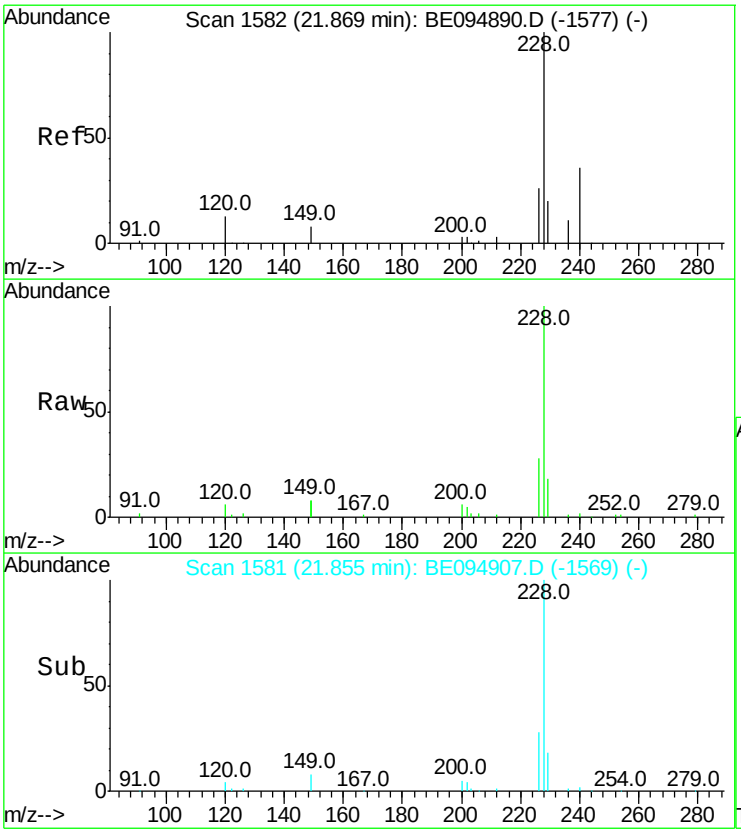
#29
Terphenyl-d14
Concen: 0.382 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:244 Resp: 13330

Ion	Ratio	Lower	Upper
244	100		
212	5.5	25.4	38.0#
122	2.6	8.1	12.1#

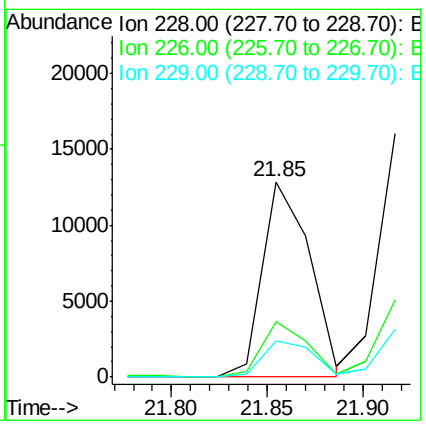


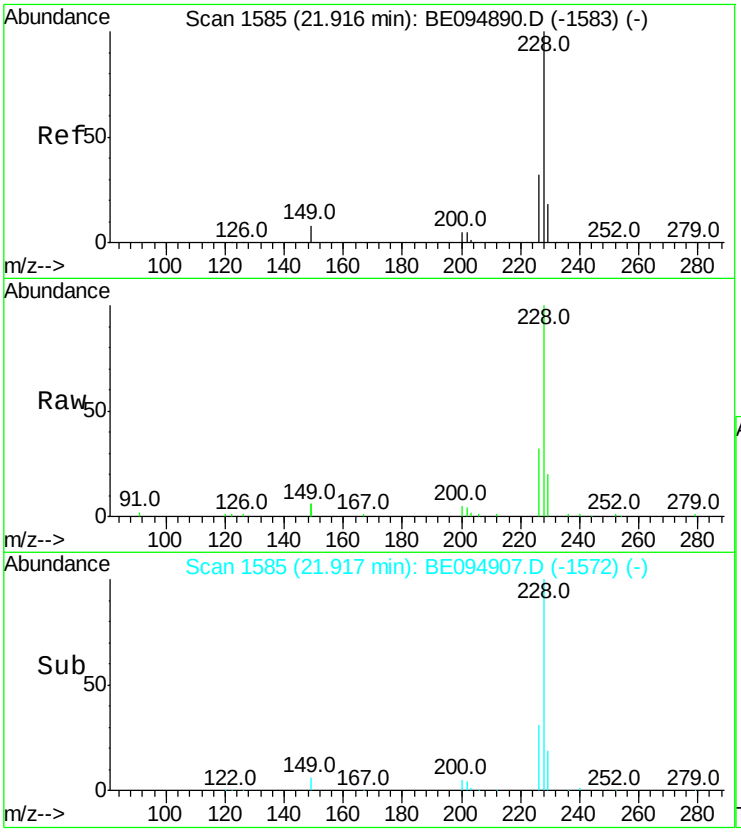


#30
Benzo(a)anthracene
Concen: 0.381 ng
RT: 21.85 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:228 Resp: 22058

Ion	Ratio	Lower	Upper
228	100		
226	28.5	40.0	60.0#
229	18.4	40.0	60.0#



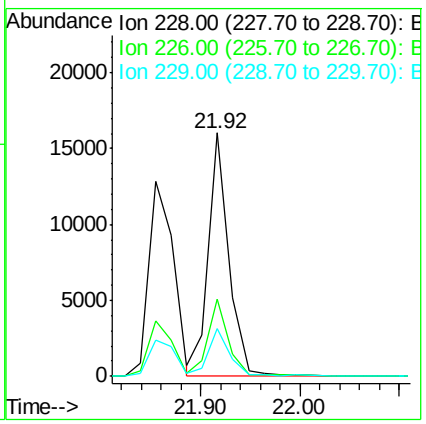


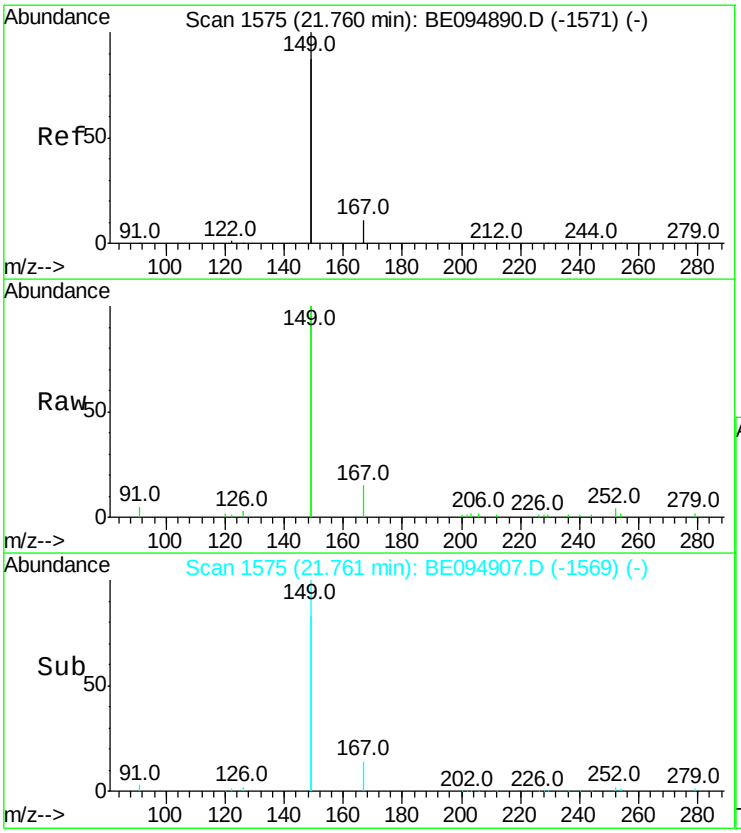
#31
Chrysene
Concen: 0.389 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:228 Resp: 24869

Ion	Ratio	Lower	Upper
228	100		
226	31.8	40.0	60.0#
229	19.5	40.0	60.0#

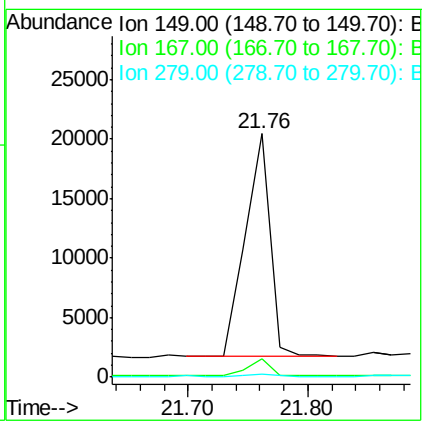


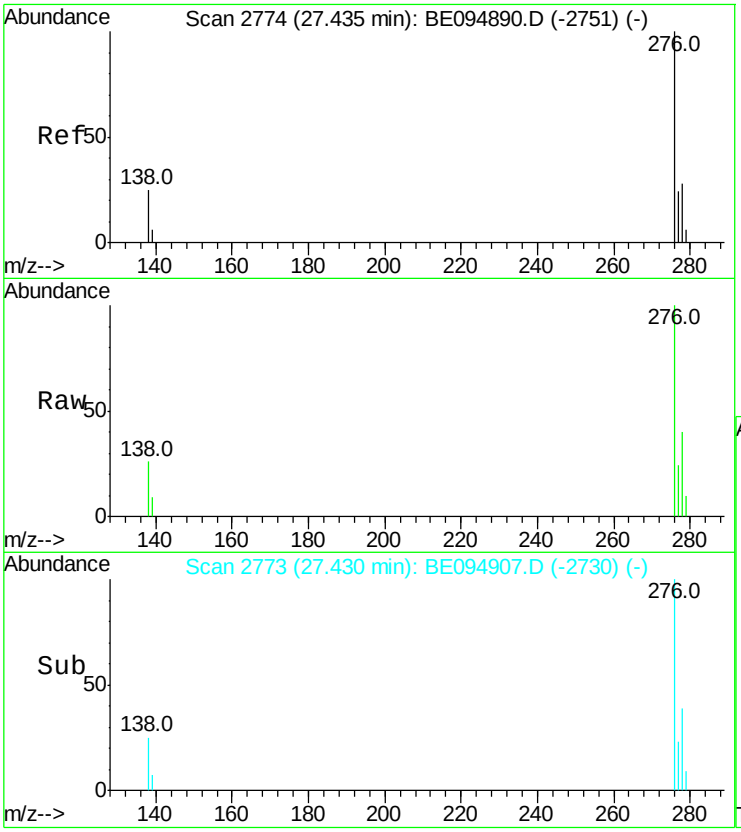


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng
RT: 21.76 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:149 Resp: 26836

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	0.8	0.7	1.1



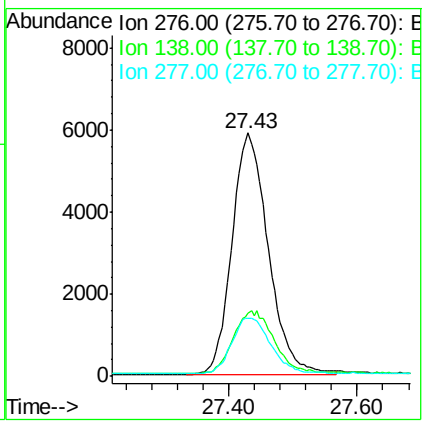


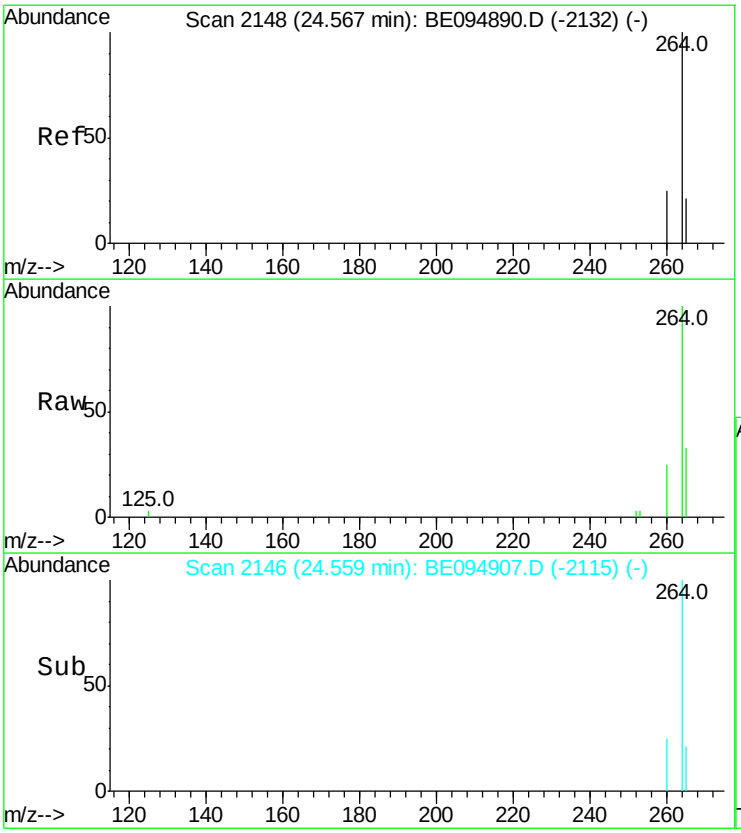
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.441 ng
RT: 27.43 min Scan# 2773
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:276 Resp: 23077

Ion	Ratio	Lower	Upper
276	100		
138	29.2	22.5	33.7
277	25.1	19.9	29.9

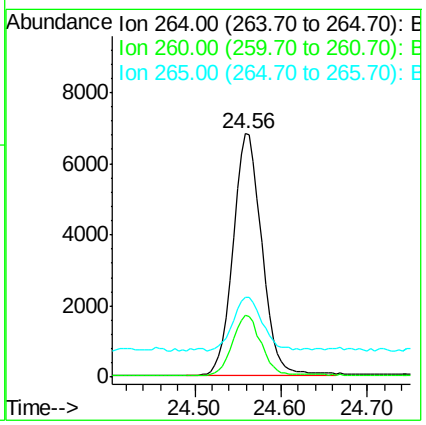


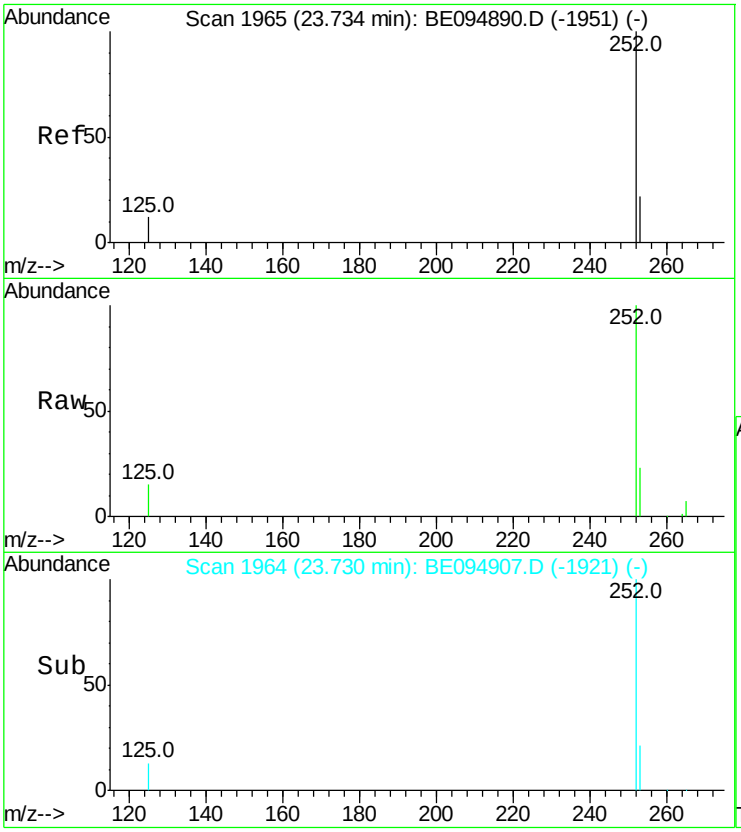


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.56 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:264 Resp: 15673

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	32.7	22.8	34.2



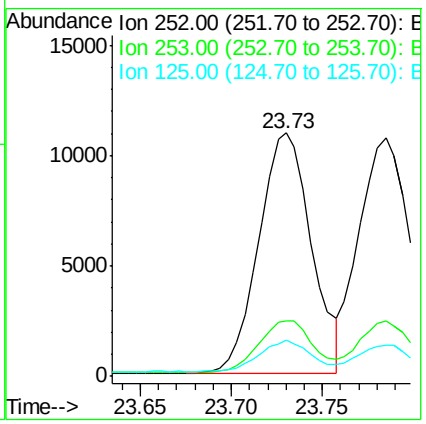


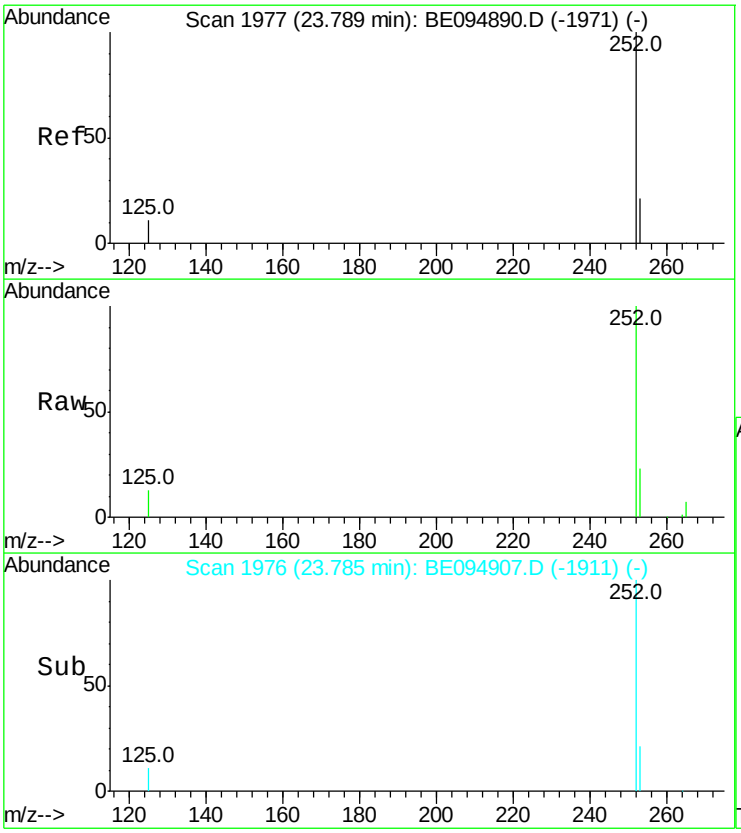
#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:252 Resp: 21996

Ion	Ratio	Lower	Upper
252	100		
253	22.9	48.0	72.0#
125	15.0	56.0	84.0#

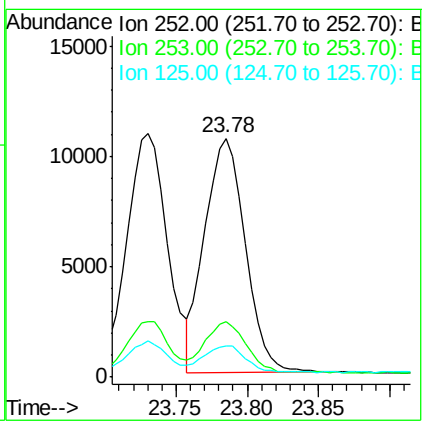


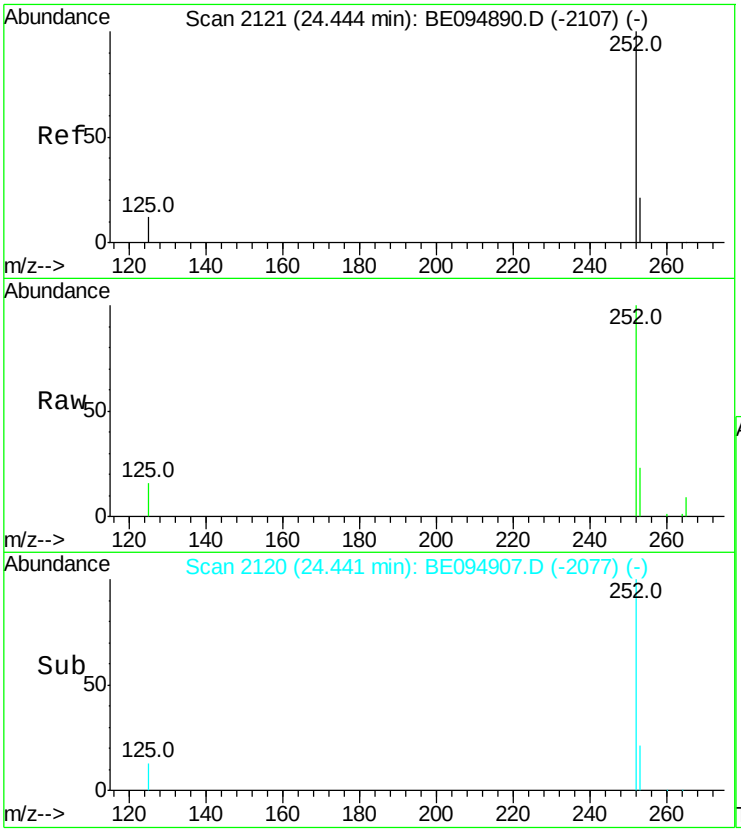


#36
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:252 Resp: 21007

Ion	Ratio	Lower	Upper
252	100		
253	23.0	48.0	72.0#
125	13.0	56.0	84.0#



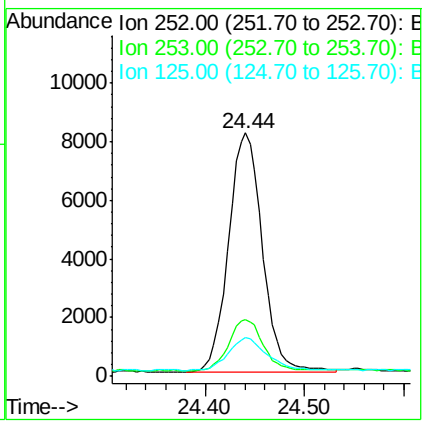


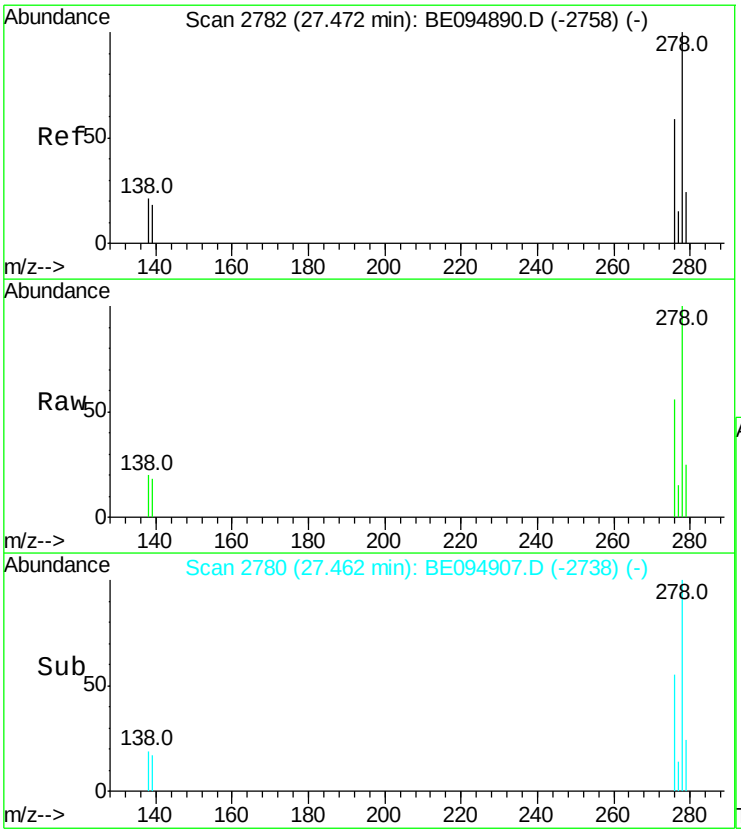
#37
Benzo(a)pyrene
Concen: 0.388 ng
RT: 24.44 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:252 Resp: 19444

Ion	Ratio	Lower	Upper
252	100		
253	23.5	52.0	78.0#
125	16.0	68.0	102.0#

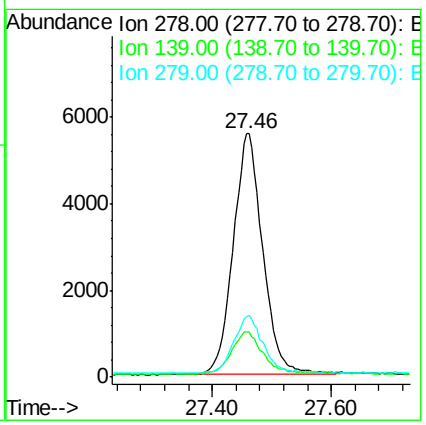


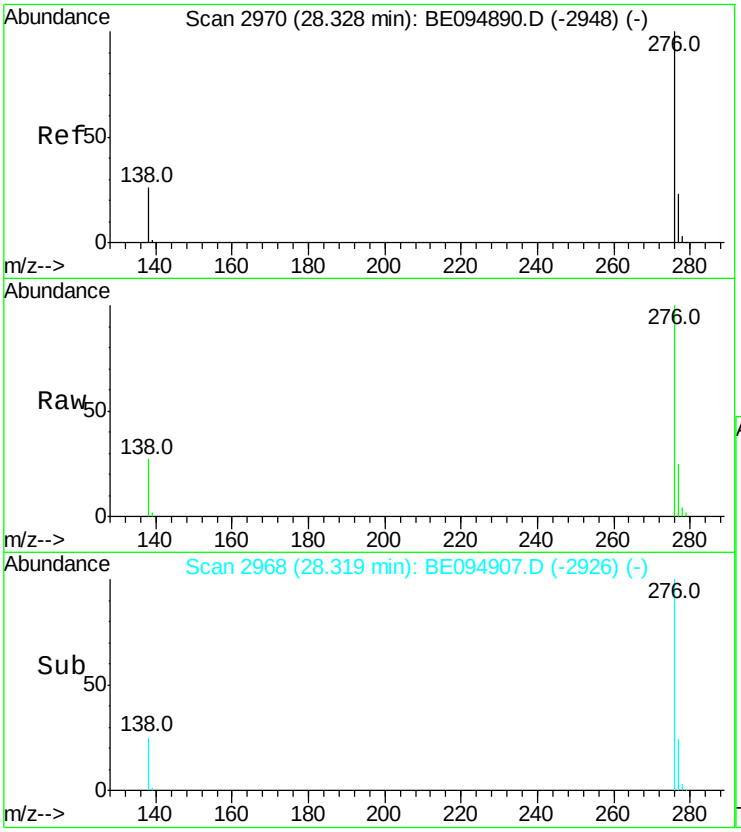


#38
Dibenzo(a,h)anthracene
Concen: 0.418 ng
RT: 27.46 min Scan# 2780
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Tgt Ion:278 Resp: 19355

Ion	Ratio	Lower	Upper
278	100		
139	18.5	56.0	84.0#
279	25.5	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.432 ng
RT: 28.32 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BE094907.D
Acq: 1 Dec 2017 16:26

Instrument :
BNA_E
ClientSampleId :
PB104512BS

Tgt Ion:276 Resp: 19995

Ion	Ratio	Lower	Upper
276	100		
277	25.4	52.0	78.0#
138	26.6	44.0	66.0#