Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
Data File : BE093108.D
Acq On : 12 Jun 2017 19:05
Operator : SJ/MA
Sample : PB99586BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Jun 13 01:11:19 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 14:07:54 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	622	0.40	ng		0.00
7) Naphthalene-d8	10.51	136	2578	0.40	ng		-0.02
13) Acenaphthene-d10	14.37	164	1114	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	2106	0.40	ng		0.00
27) Chrysene-d12	21.25	240	2474	0.40	ng		-0.02
34) Perylene-d12	23.67	264	1911	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	504	0.27	ng		0.00
5) Phenol-d6	6.90	99	668	0.25	ng		0.00
8) Nitrobenzene-d5	8.88	82	560	0.27	ng		0.00
11) 2-Methylnaphthalene-d10	12.12	152	975	0.25	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	58	0.23	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	1375	0.29	ng		0.00
25) Fluoranthene-d10	19.12	212	1620	0.23	ng		0.00
29) Terphenyl-d14	19.72	244	1449	0.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	278	0.20	ng	#	55
3) n-Nitrosodimethylamine	3.59	42	308	0.26	ng	#	95
6) bis(2-Chloroethyl)ether	7.15	93	633	0.27	ng	#	97
9) Naphthalene	10.56	128	1885	0.27	ng		97
10) Hexachlorobutadiene	10.87	225	261	0.28	ng		99
12) 2-Methylnaphthalene	12.18	142	1140	0.27	ng		99
16) Acenaphthylene	14.08	152	5031	0.26	ng		99
17) Acenaphthene	14.42	154	998	0.28	ng		95
18) Fluorene	15.41	166	1130	0.26	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	323	0.25	ng	#	86
21) Hexachlorobenzene	16.44	284	333	0.30	ng	#	100
22) Pentachlorophenol	16.79	266	164	0.45	ng		91
23) Phenanthrene	17.16	178	2415	0.25	ng		99
24) Anthracene	17.25	178	1996	0.25	ng		99
26) Fluoranthene	19.16	202	8103	0.23	ng	#	99
28) Pyrene	19.51	202	8525	0.28	ng	#	95
30) Benzo(a)anthracene	21.23	228	1821	0.27	ng	#	87
31) Chrysene	21.28	228	2005	0.28	ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.18	149	490	0.16	ng	#	96
33) Indeno(1,2,3-cd)pyrene	26.17	276	8111	0.30	ng		99
35) Benzo(b)fluoranthene	22.93	252	1914	0.31	ng		94
36) Benzo(k)fluoranthene	22.97	252	1684	0.28	ng		96
37) Benzo(a)pyrene	23.55	252	1550	0.29	ng		93
38) Dibenzo(a,h)anthracene	26.20	278	1783	0.32	ng		98
39) Benzo(g,h,i)perylene	26.93	276	7543	0.34	ng		93

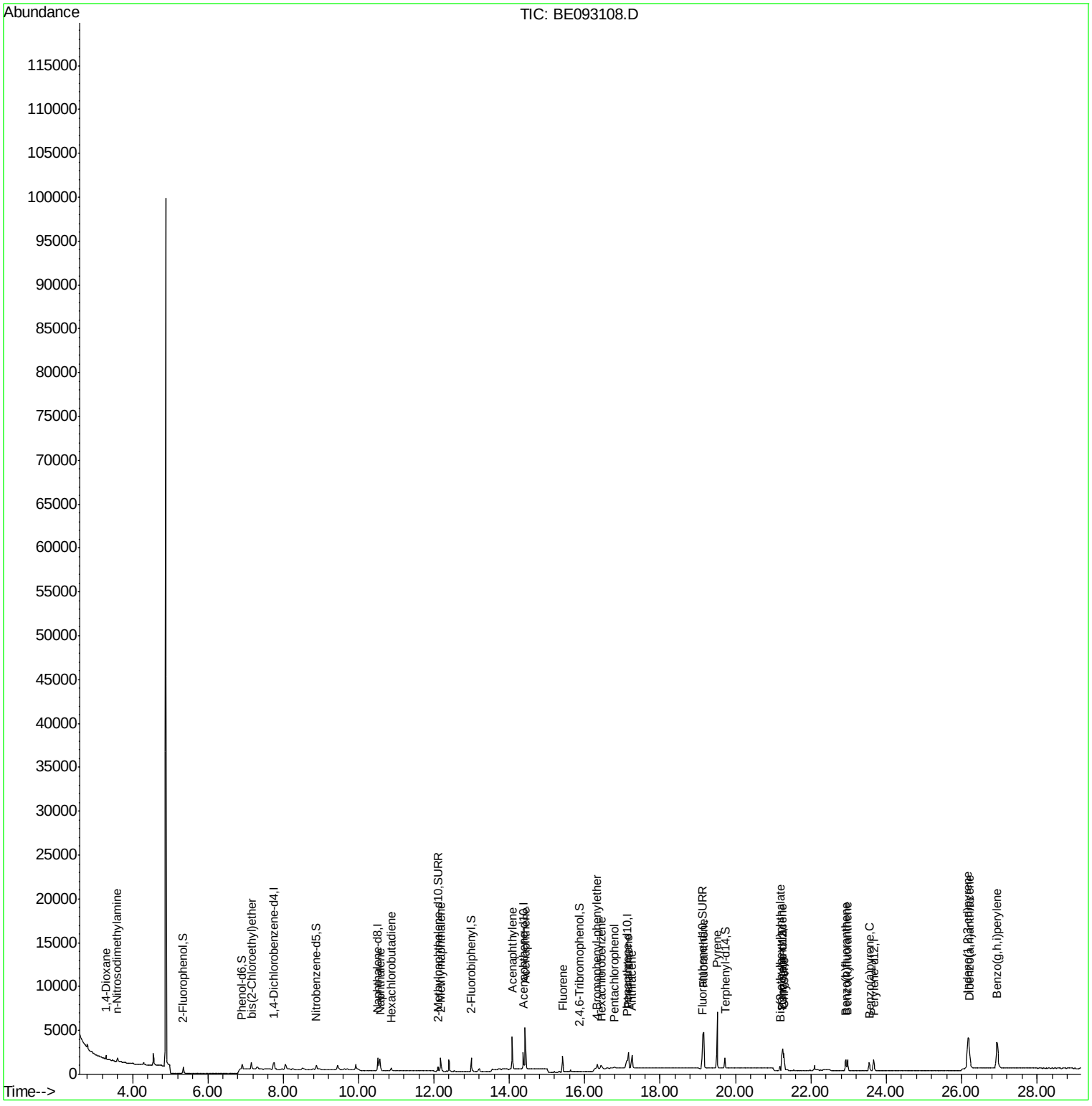
(#) = qualifier out of range (m) = manual integration (+) = signals summed

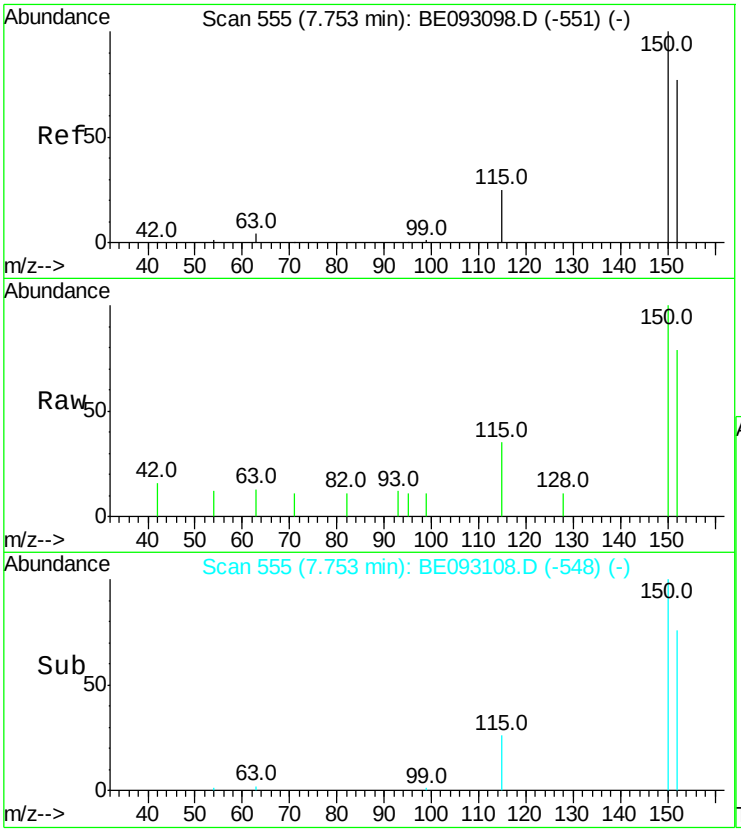
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
Data File : BE093108.D
Acq On : 12 Jun 2017 19:05
Operator : SJ/MA
Sample : PB99586BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jun 13 01:11:19 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 14:07:54 2017
Response via : Initial Calibration



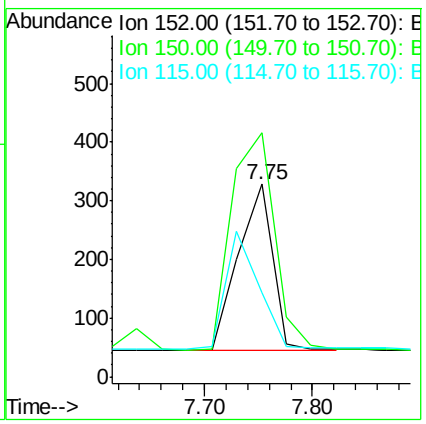


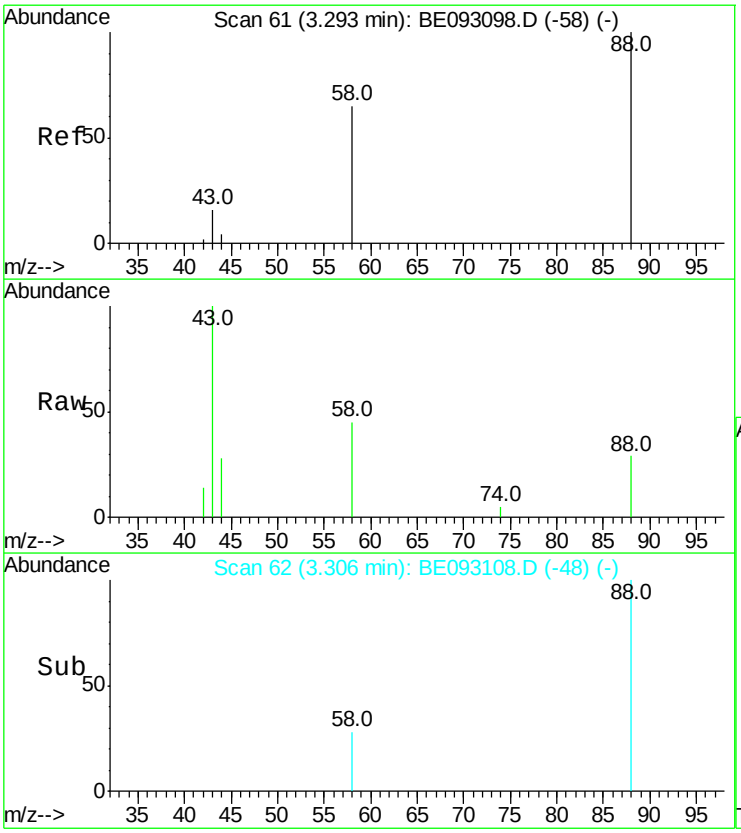
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 622

Ion	Ratio	Lower	Upper
152	100		
150	126.8	125.1	187.7
115	43.9	55.7	83.5#

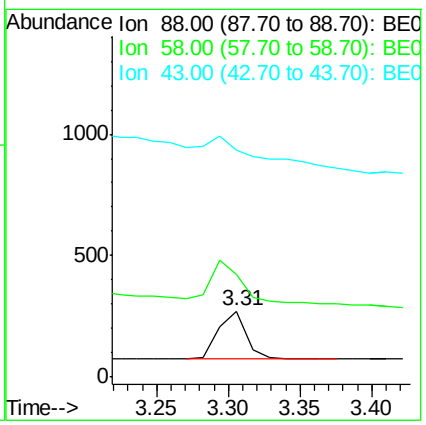


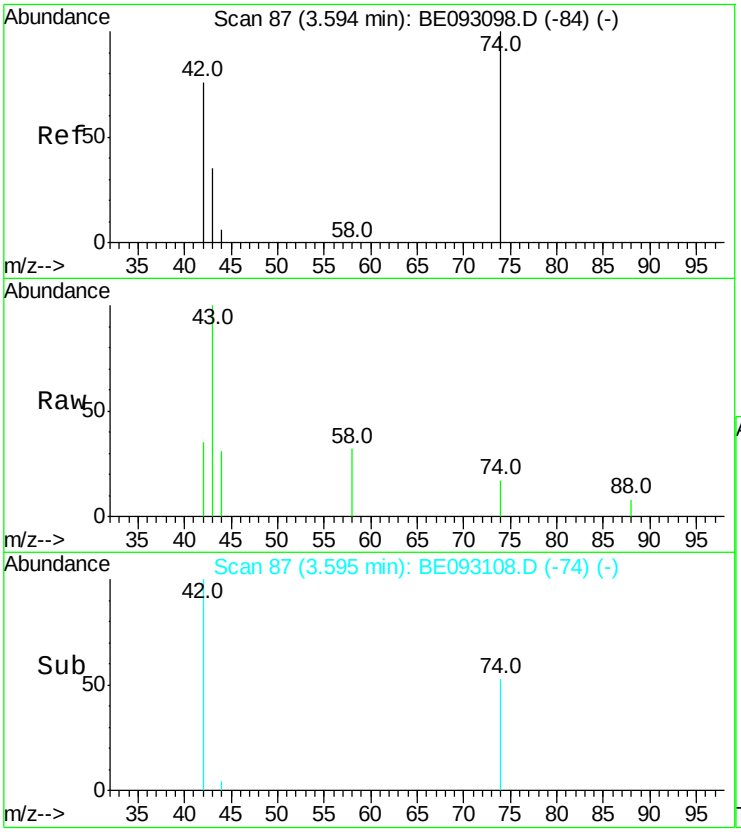


#2
1,4-Dioxane
Concen: 0.20 ng
RT: 3.31 min Scan# 62
Delta R.T. 0.01 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion: 88 Resp: 278

Ion	Ratio	Lower	Upper
88	100		
58	113.3	62.2	93.4#
43	0.0	23.2	34.8#



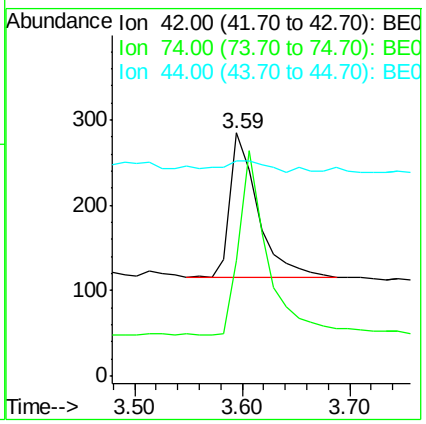


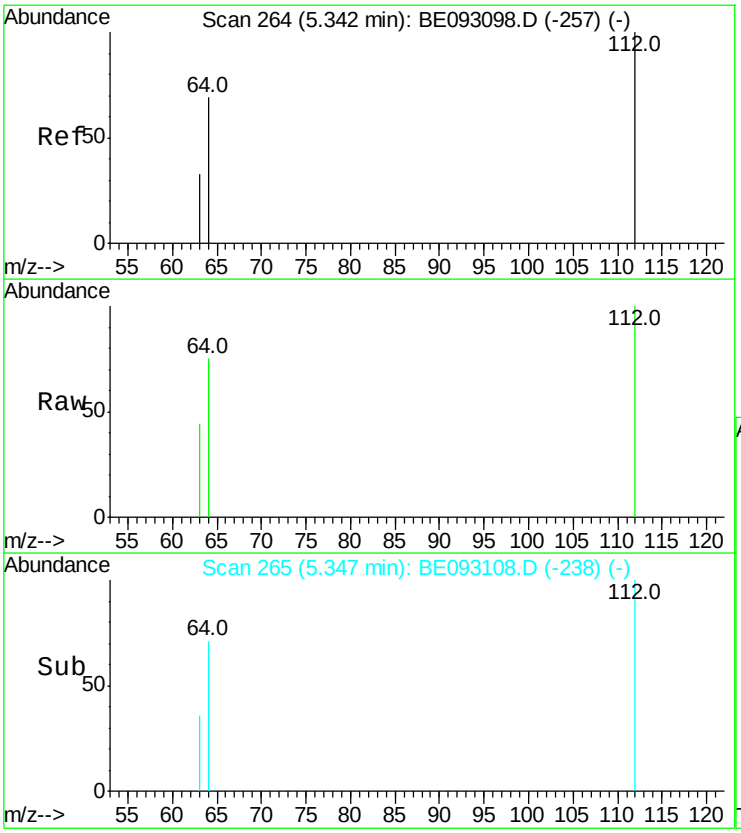
#3
n-Nitrosodimethylamine
Concen: 0.26 ng
RT: 3.59 min Scan# 87
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 308

Ion	Ratio	Lower	Upper
42	100		
74	129.2	99.1	148.7
44	12.7	7.4	11.2#

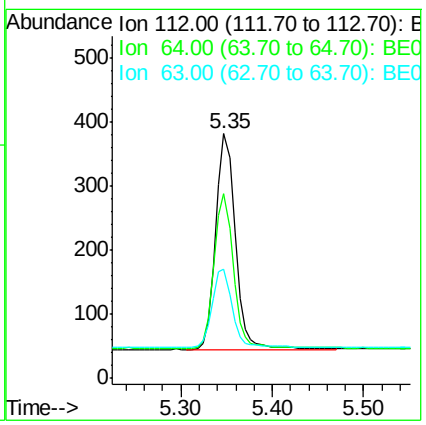


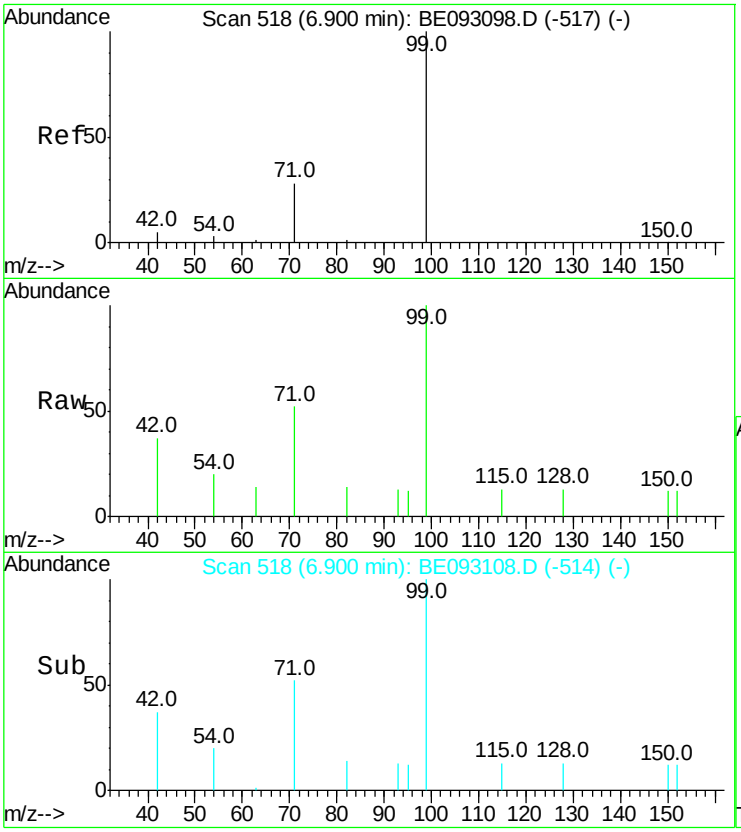


#4
2-Fluorophenol
Concen: 0.27 ng
RT: 5.35 min Scan# 265
Delta R.T. 0.01 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:112 Resp: 504

Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.4	84.6
63	37.1	29.3	43.9



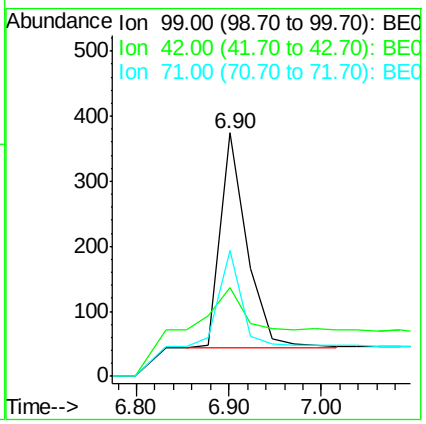


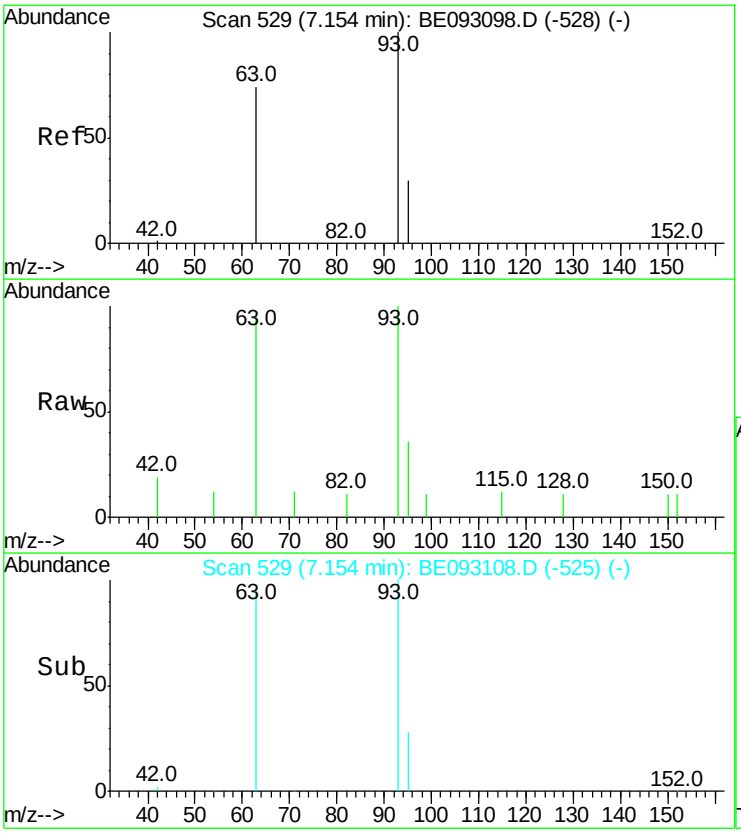
#5
Phenol-d6
Concen: 0.25 ng
RT: 6.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 668

Ion	Ratio	Lower	Upper
99	100		
42	21.3	0.0	0.0#
71	37.0	0.0	0.0#

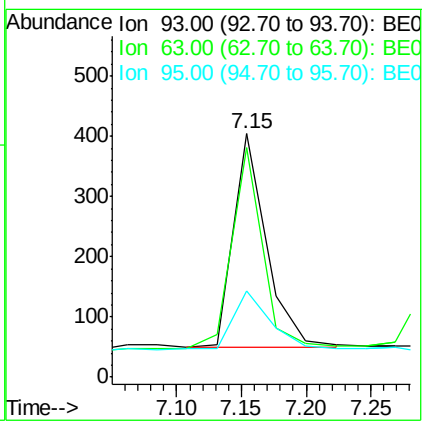


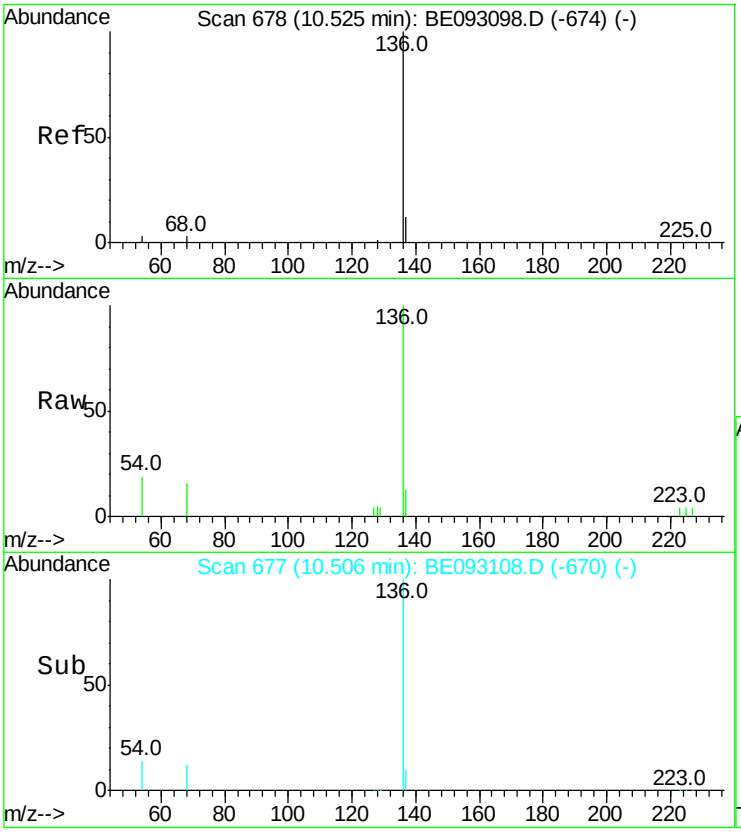


#6
bis(2-Chloroethyl)ether
Concen: 0.27 ng
RT: 7.15 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion: 93 Resp: 633

Ion	Ratio	Lower	Upper
93	100		
63	89.1	0.0	0.0#
95	29.9	25.4	38.0



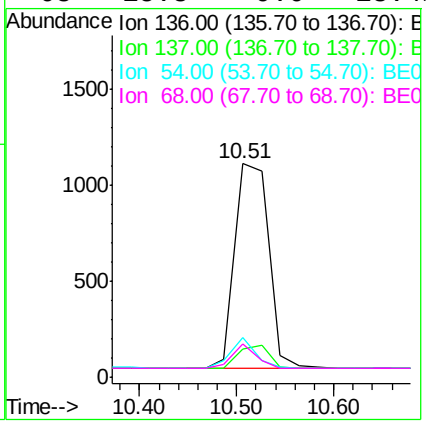


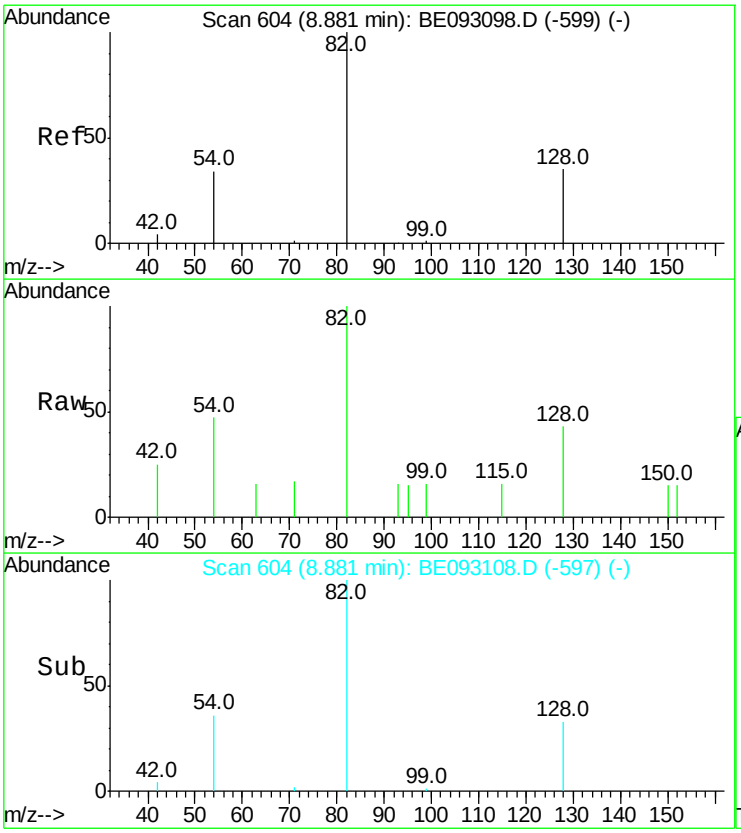
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.51 min Scan# 677
Delta R.T. -0.02 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 2578

Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.8	14.8
54	18.7	10.3	15.5#
68	15.8	9.0	13.4#

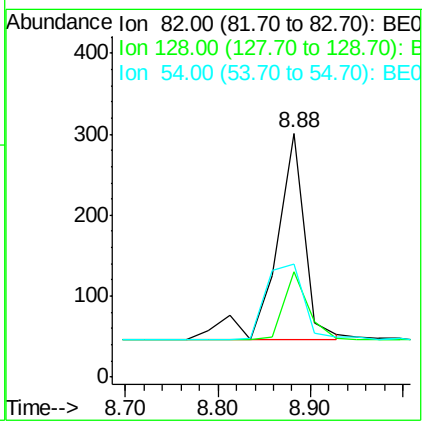


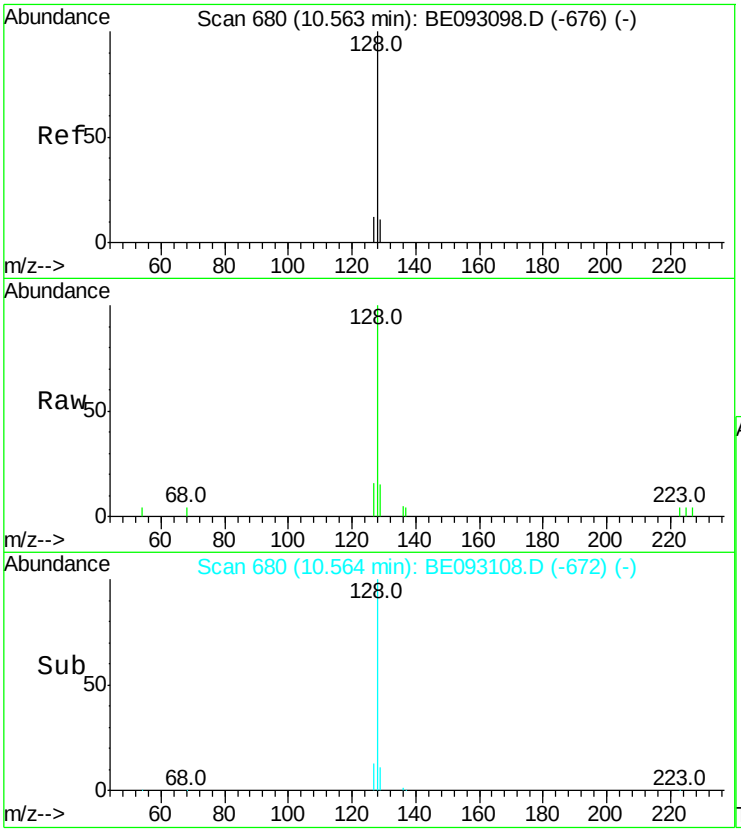


#8
Nitrobenzene-d5
Concen: 0.27 ng
RT: 8.88 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion: 82 Resp: 560

Ion	Ratio	Lower	Upper
82	100		
128	43.2	17.0	25.4#
54	46.5	53.8	80.6#



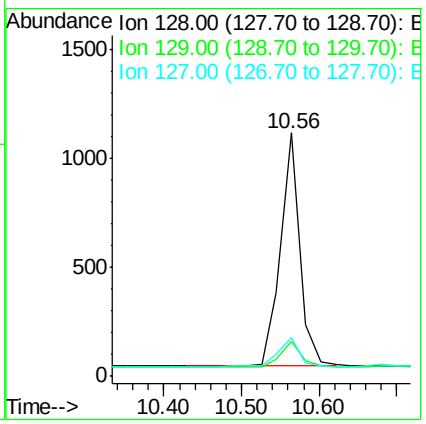


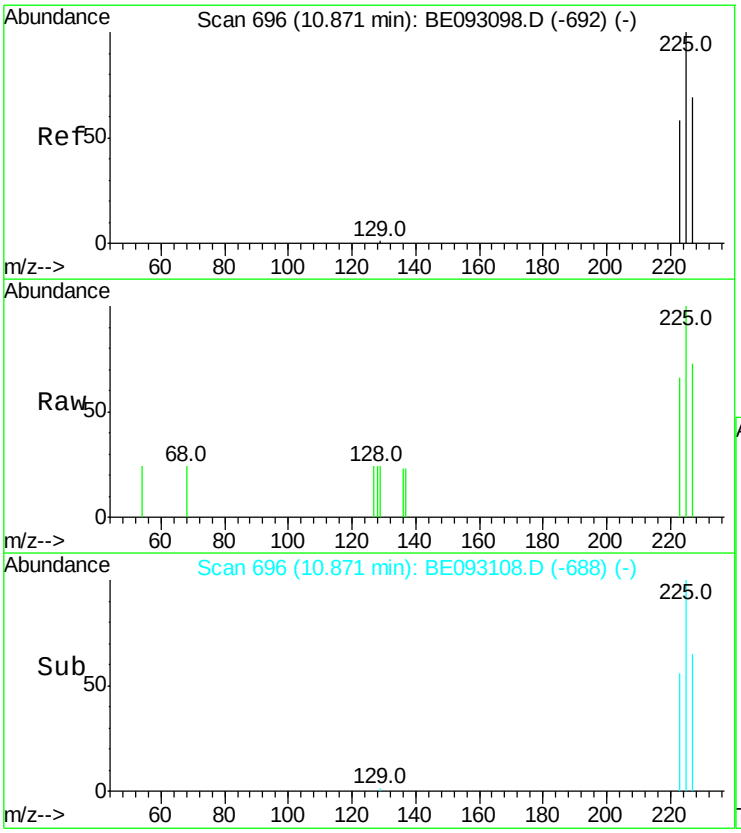
#9
Naphthalene
Concen: 0.27 ng
RT: 10.56 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 1885

Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.4	17.0
127	16.1	11.2	16.8

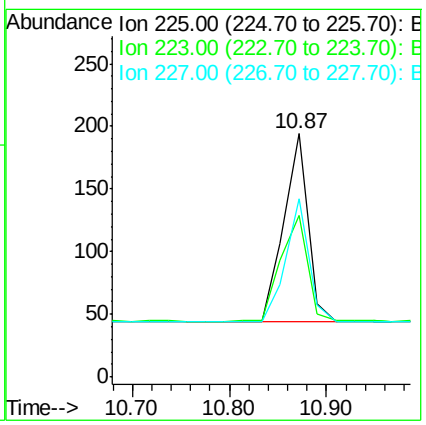


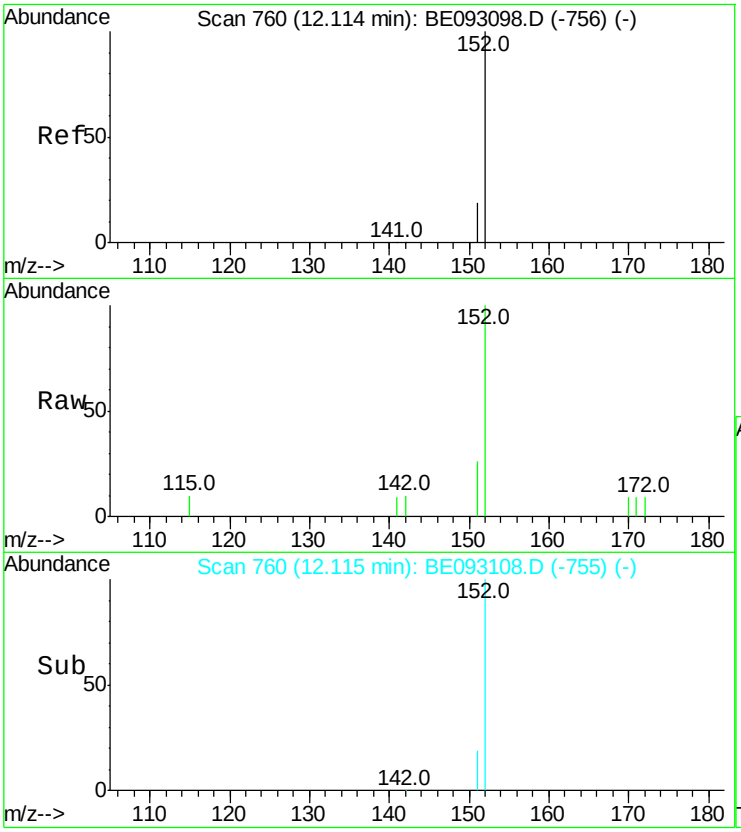


#10
Hexachlorobutadiene
Concen: 0.28 ng
RT: 10.87 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:225 Resp: 261

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	62.5	50.3	75.5



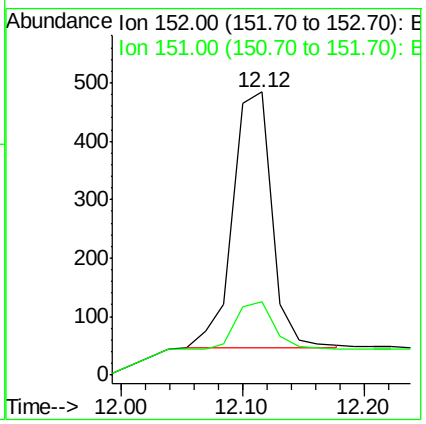


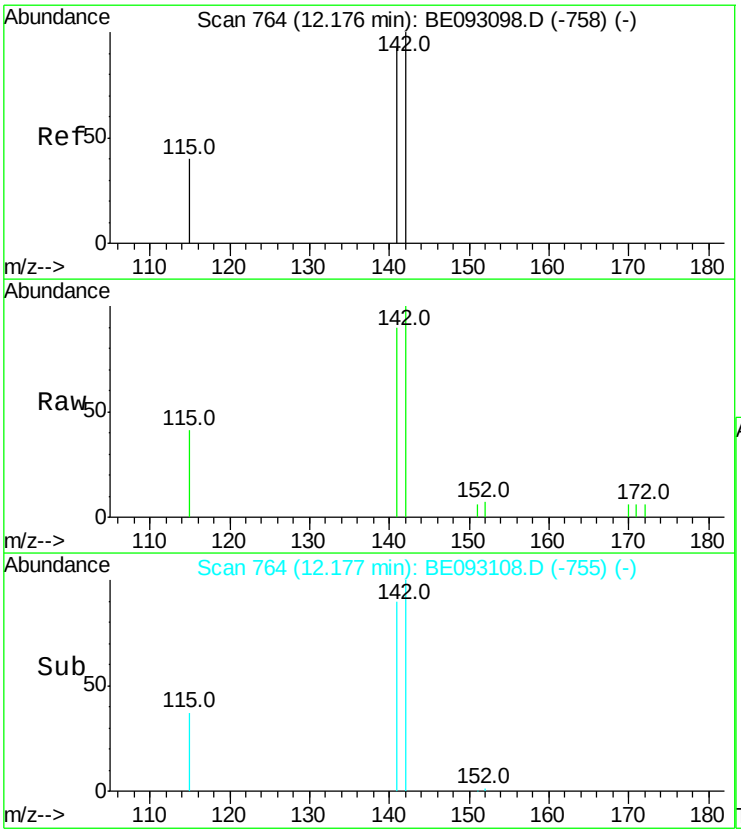
#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 12.12 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 975

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.1	22.7

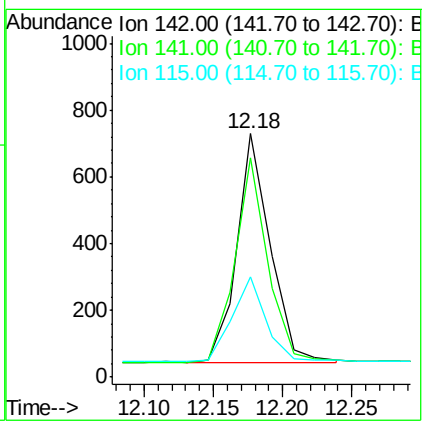


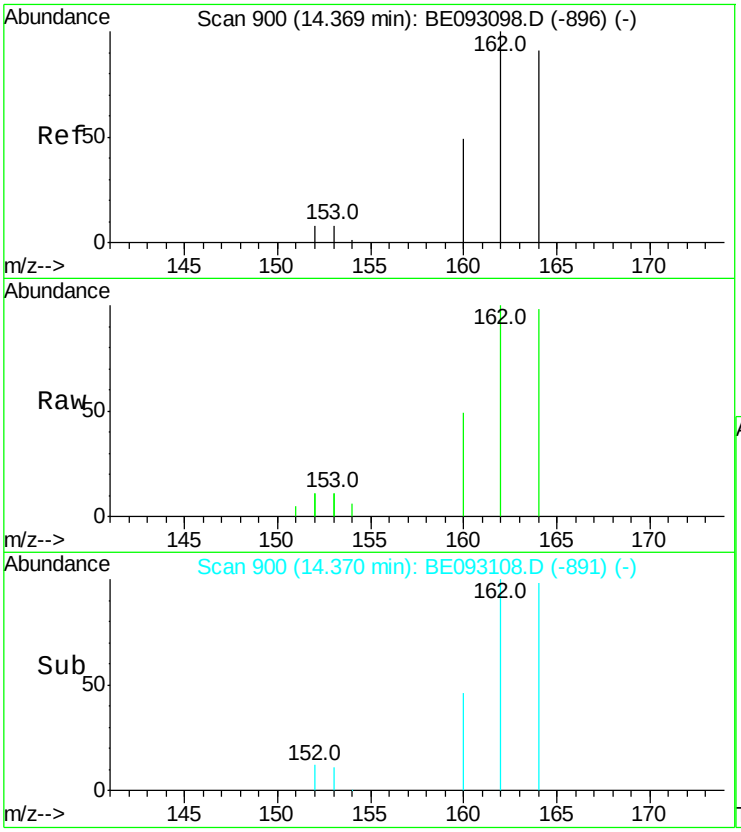


#12
2-Methylnaphthalene
Concen: 0.27 ng
RT: 12.18 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:142 Resp: 1140

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.6	108.8
115	41.4	32.2	48.2



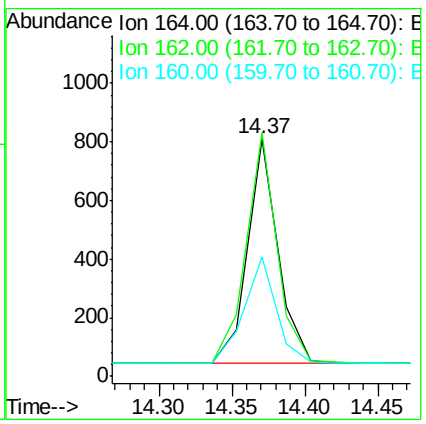


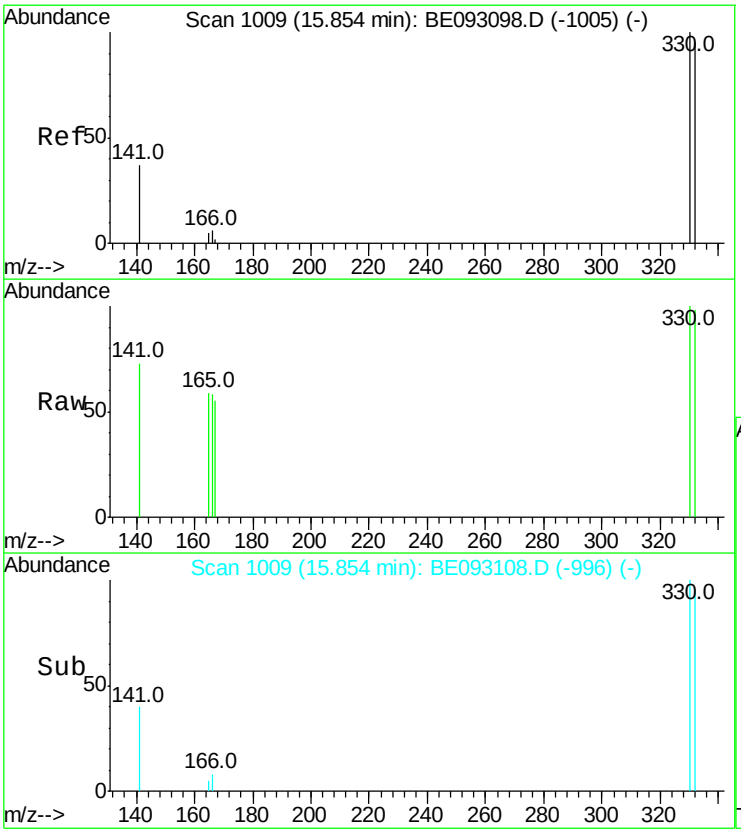
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.37 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1114

Ion	Ratio	Lower	Upper
164	100		
162	102.5	84.6	127.0
160	50.2	41.8	62.6

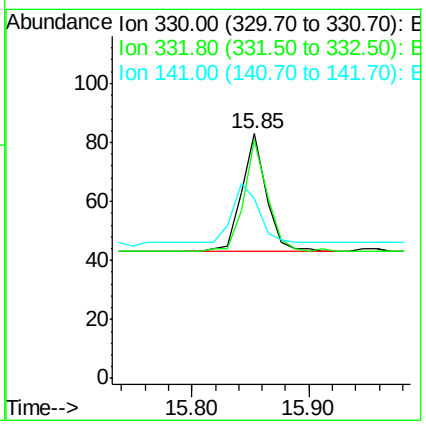


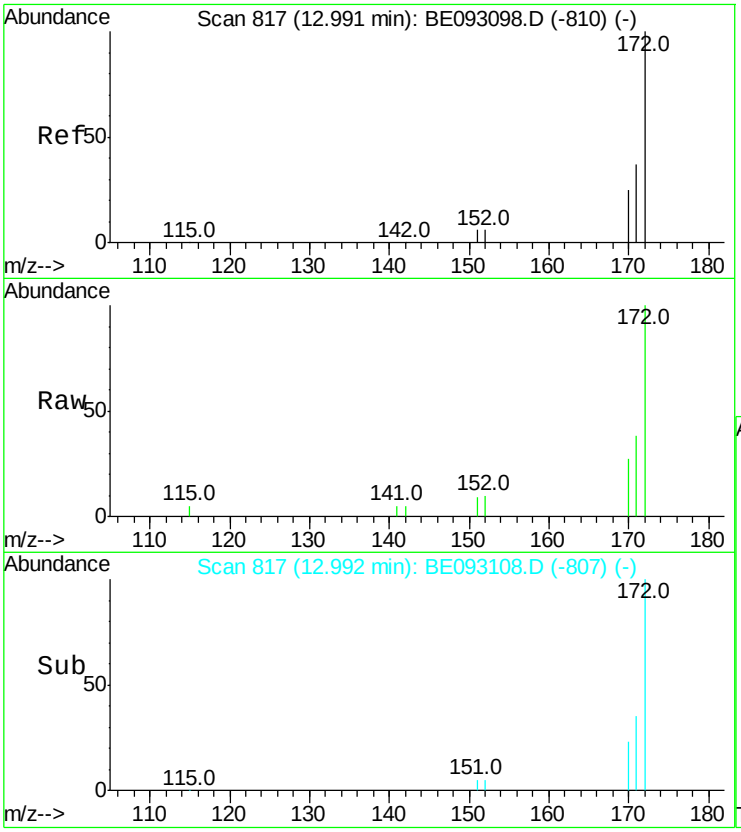


#14
2,4,6-Tribromophenol
Concen: 0.23 ng
RT: 15.85 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:330 Resp: 58

Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.7	116.5
141	60.3	56.2	84.4



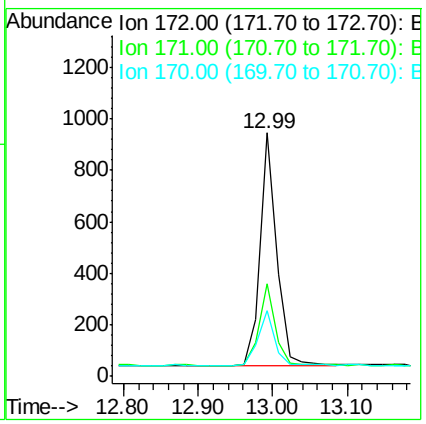


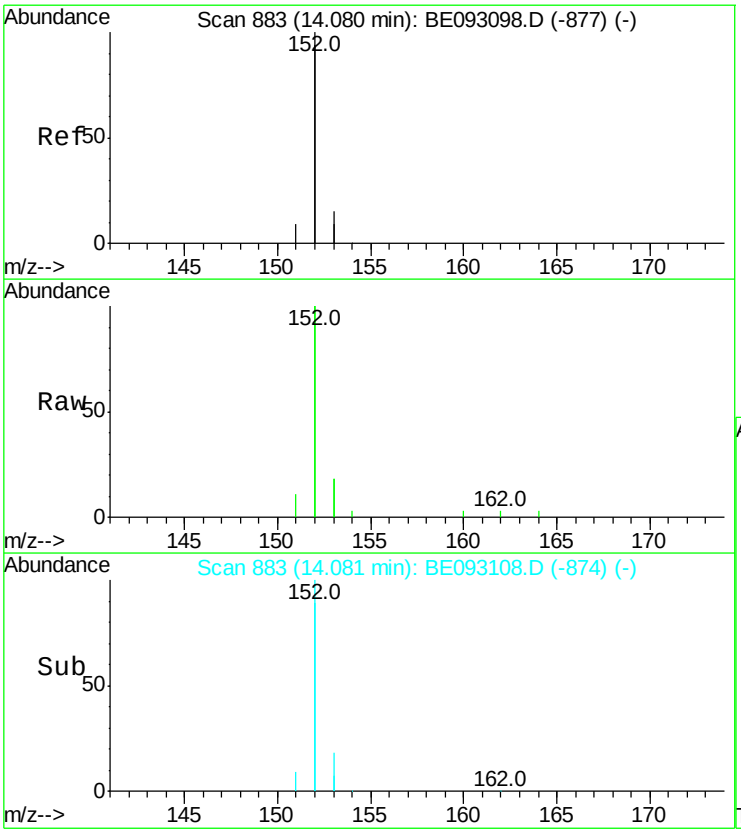
#15
2-Fluorobiphenyl
Concen: 0.29 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 1375

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.8	44.6
170	26.9	20.7	31.1

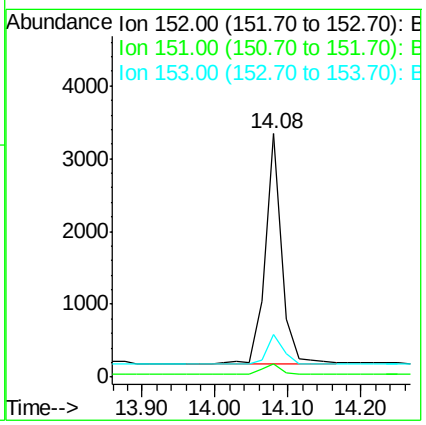


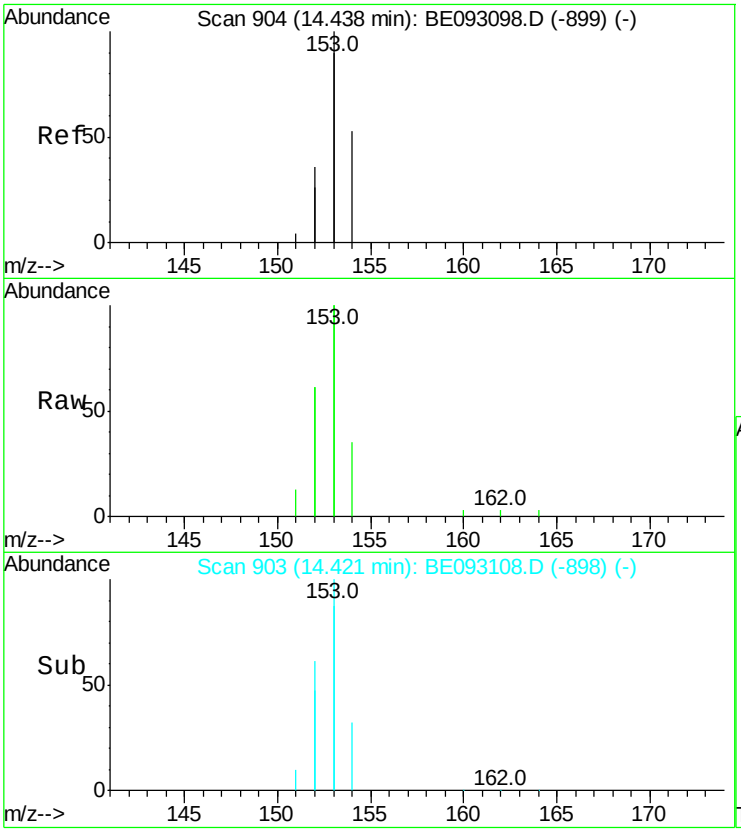


#16
Acenaphthylene
Concen: 0.26 ng
RT: 14.08 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:152 Resp: 5031

Ion	Ratio	Lower	Upper
152	100		
151	4.8	4.0	6.0
153	13.6	10.3	15.5



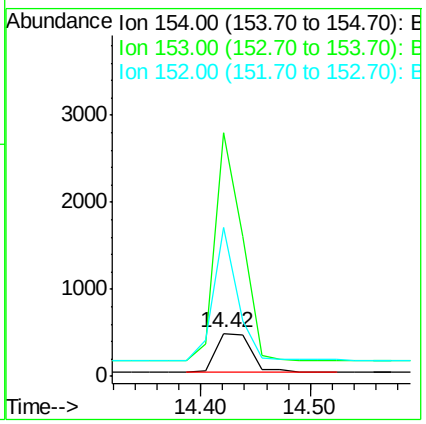


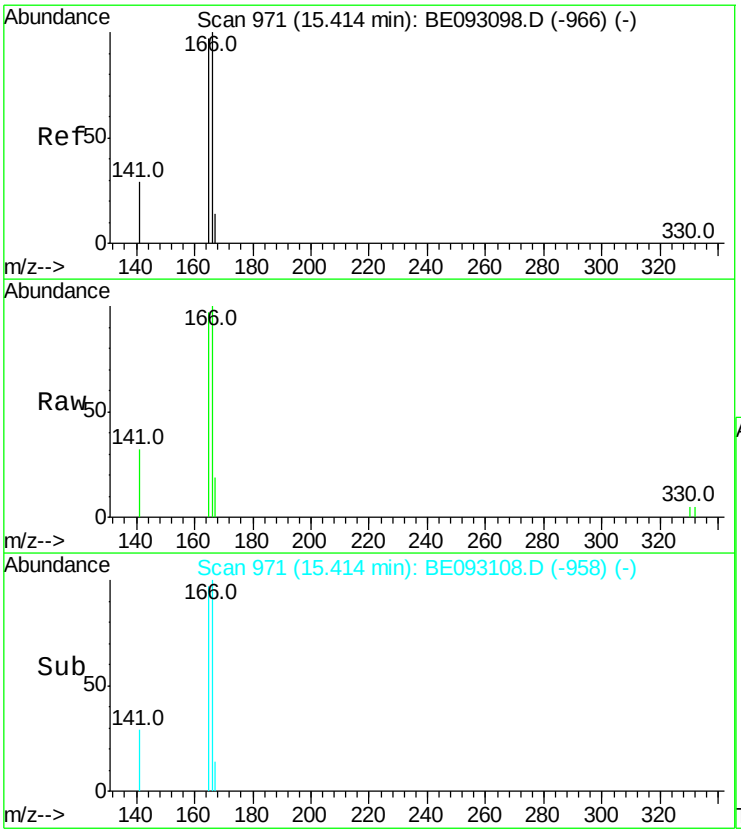
#17
Acenaphthene
Concen: 0.28 ng
RT: 14.42 min Scan# 903
Delta R.T. -0.02 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 998

Ion	Ratio	Lower	Upper
154	100		
153	444.3	367.8	551.6
152	230.9	188.2	282.2

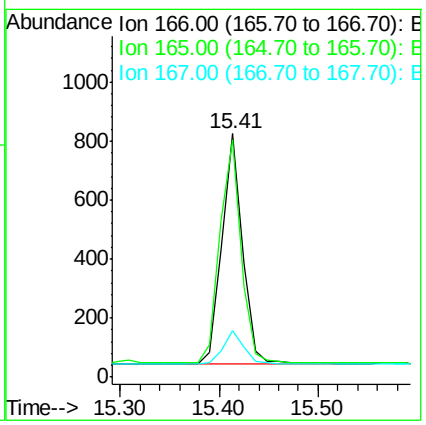


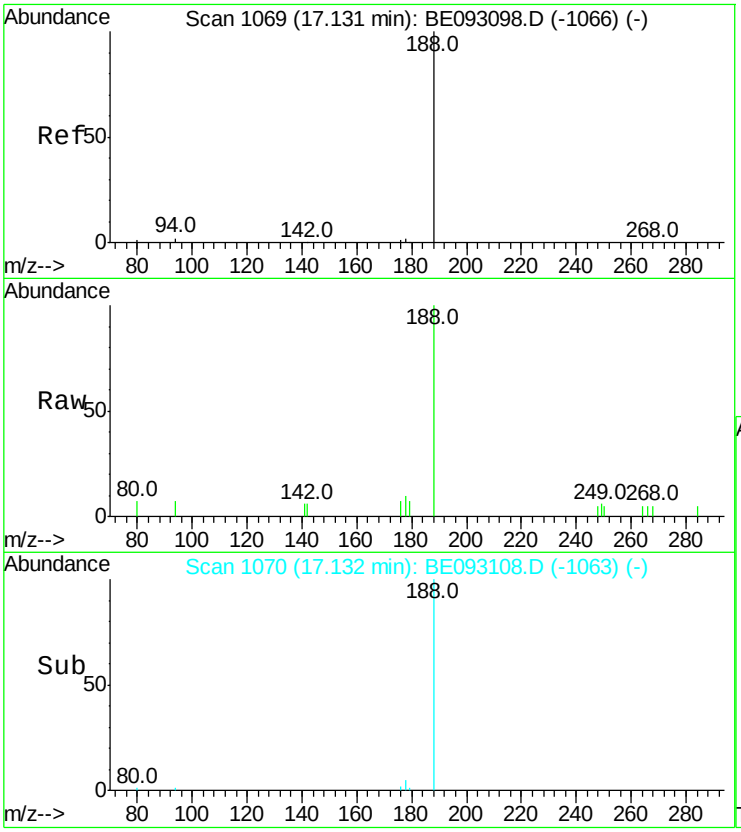


#18
Fluorene
Concen: 0.26 ng
RT: 15.41 min Scan# 971
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:166 Resp: 1130

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.6	117.8
167	14.7	11.1	16.7



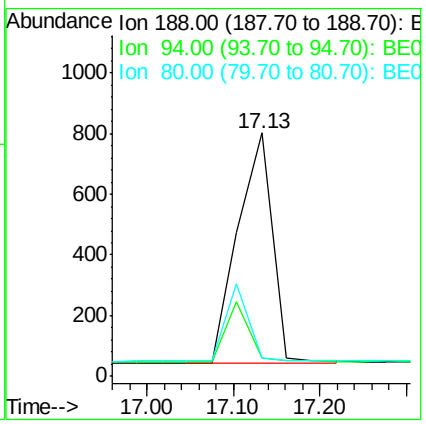


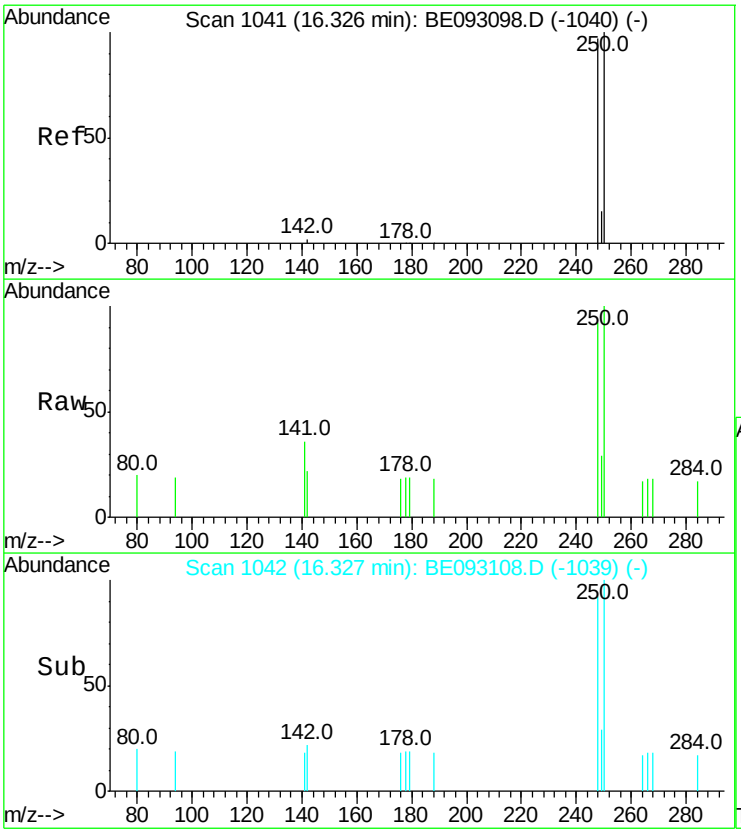
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 2106

Ion	Ratio	Lower	Upper
188	100		
94	7.4	11.3	16.9#
80	7.4	11.7	17.5#

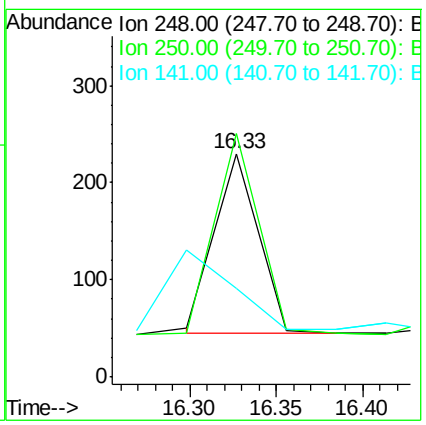


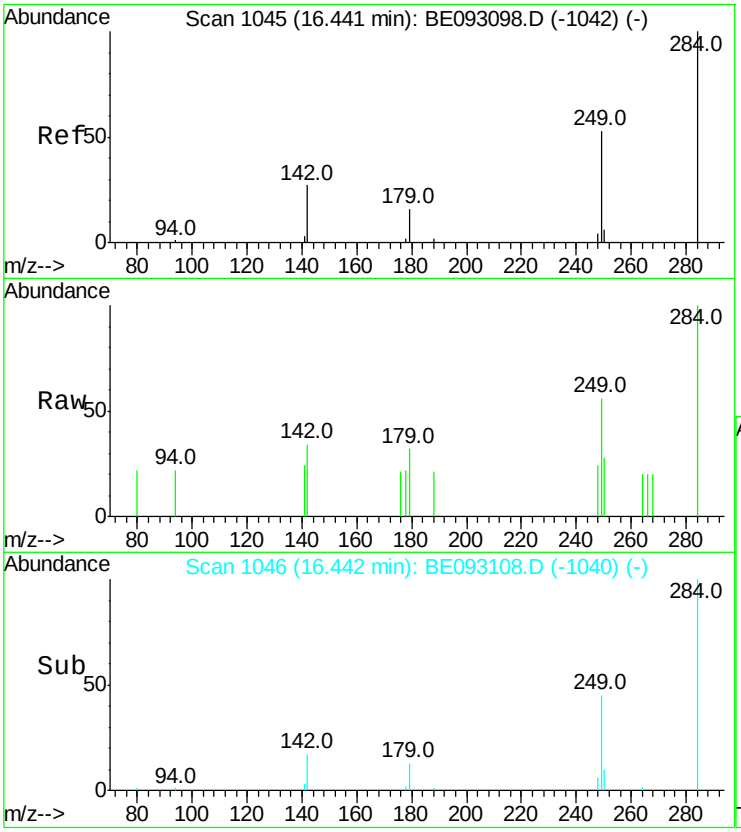


#20
4-Bromophenyl-phenylether
Concen: 0.25 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:248 Resp: 323

Ion	Ratio	Lower	Upper
248	100		
250	109.1	100.0	150.0
141	39.6	40.0	60.0#



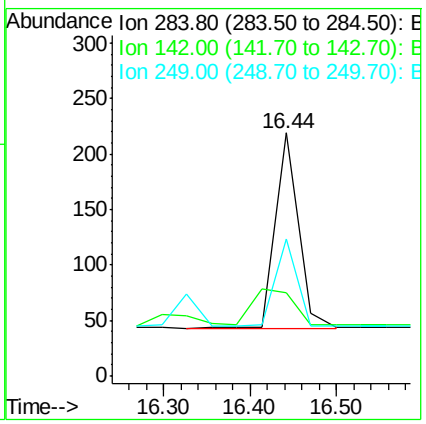


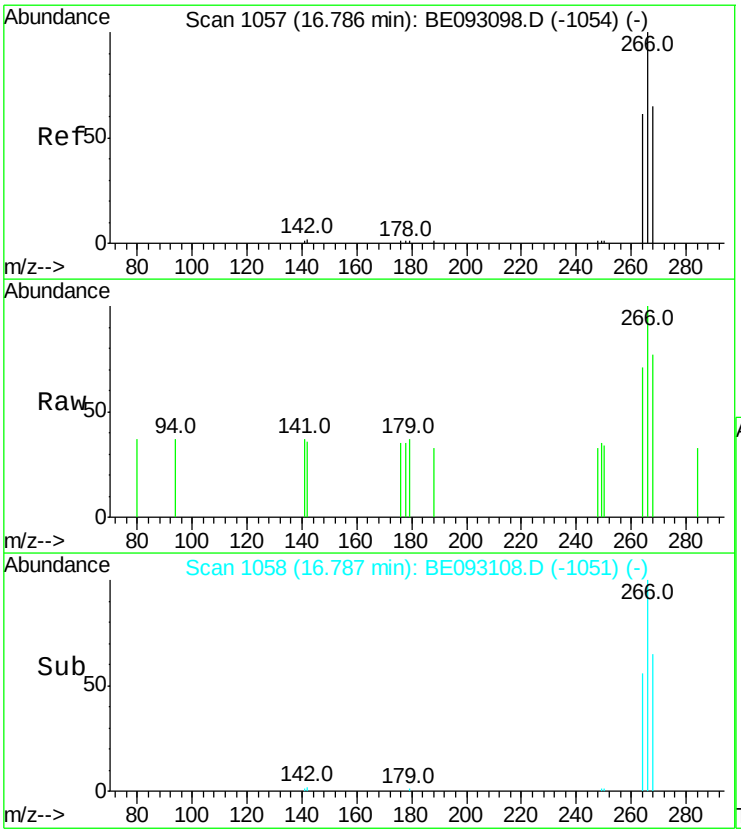
#21
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.44 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 333

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	40.8	0.0	0.0#

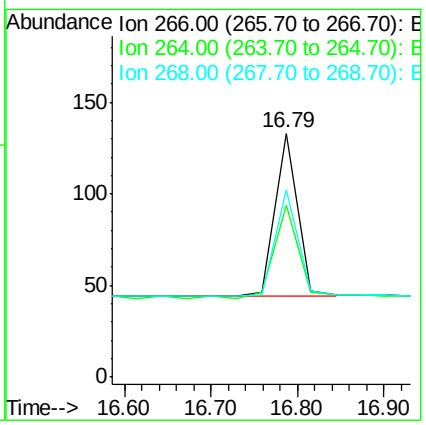


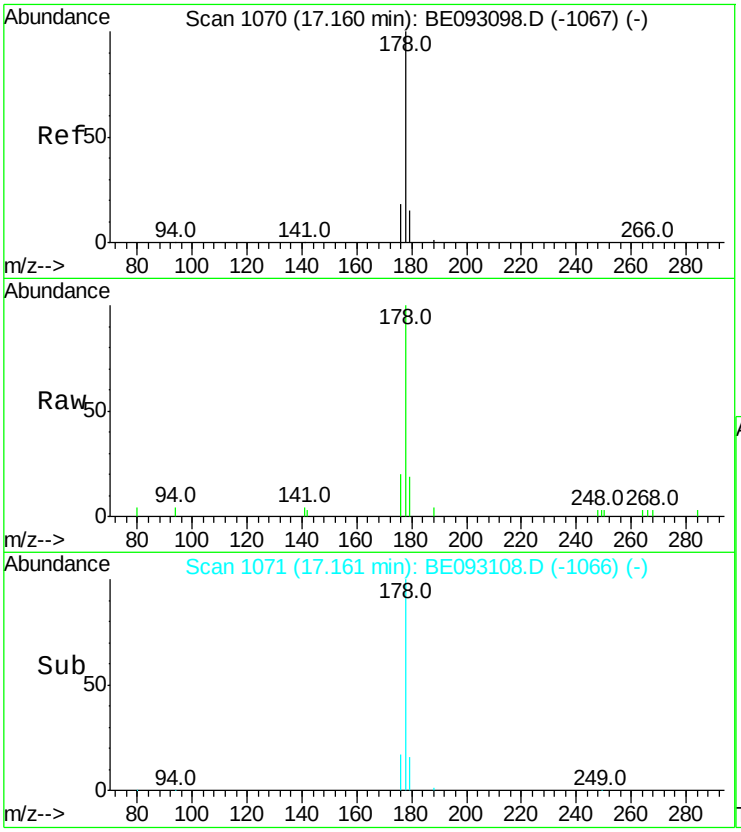


#22
Pentachlorophenol
Concen: 0.45 ng
RT: 16.79 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:266 Resp: 164

Ion	Ratio	Lower	Upper
266	100		
264	70.7	58.2	87.2
268	76.7	71.9	107.9



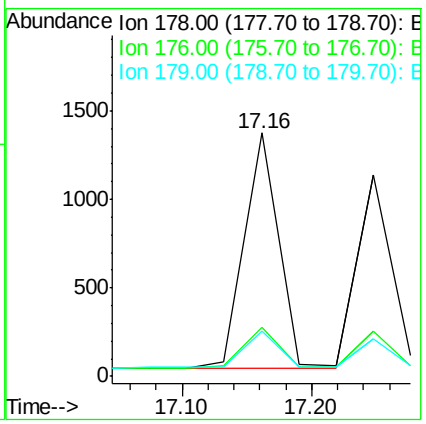


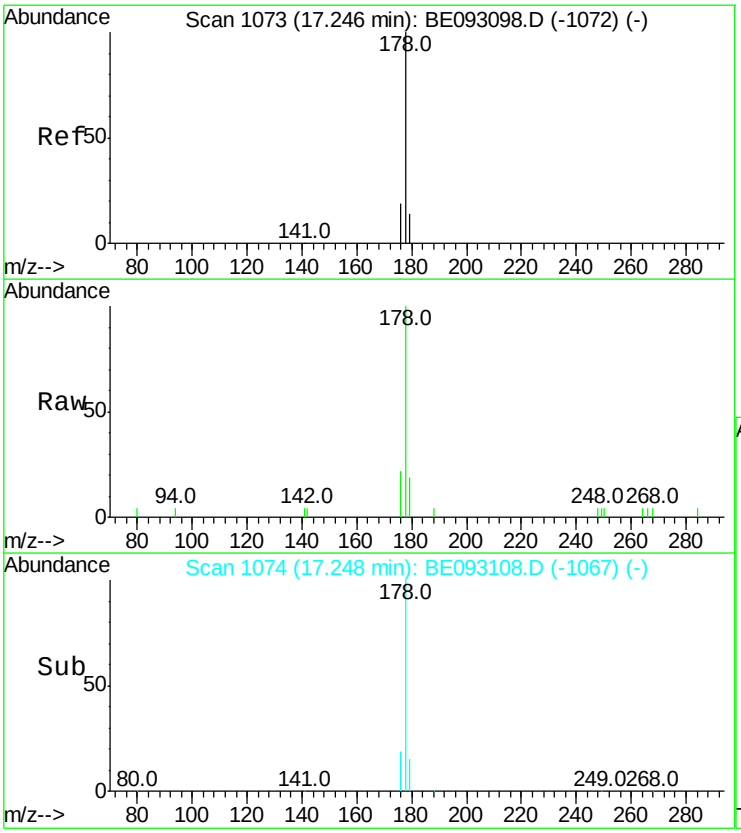
#23
Phenanthrene
Concen: 0.25 ng
RT: 17.16 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 2415

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	15.7	12.7	19.1

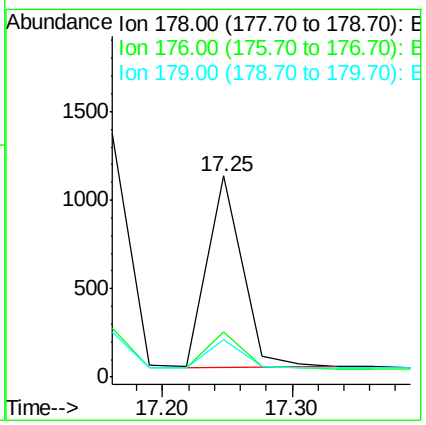


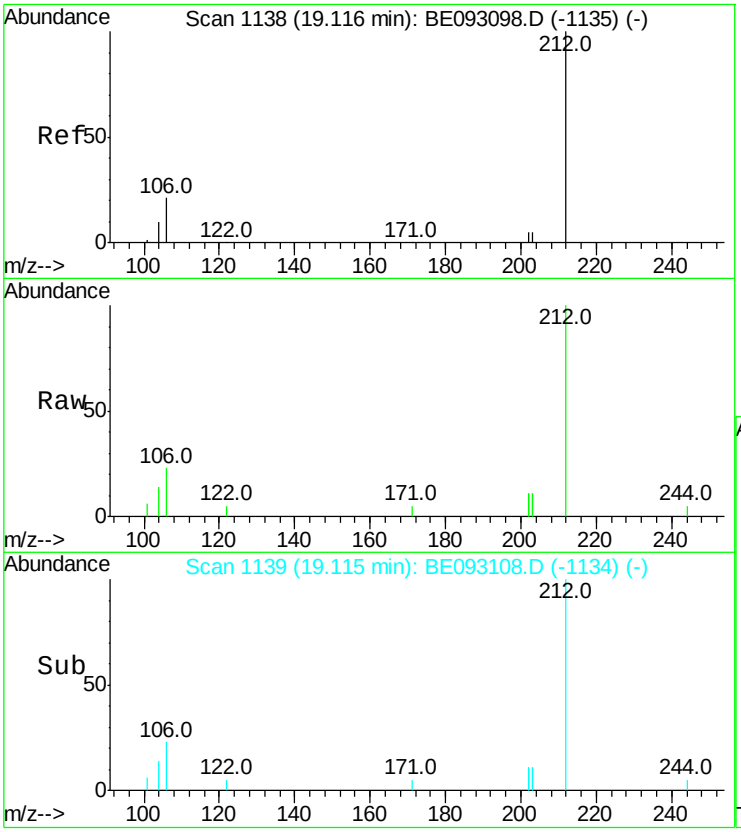


#24
Anthracene
Concen: 0.25 ng
RT: 17.25 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:178 Resp: 1996

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	14.8	12.0	18.0



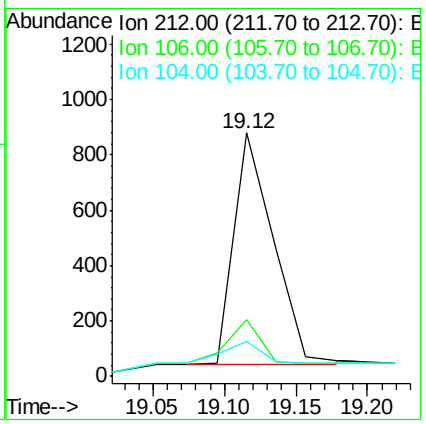


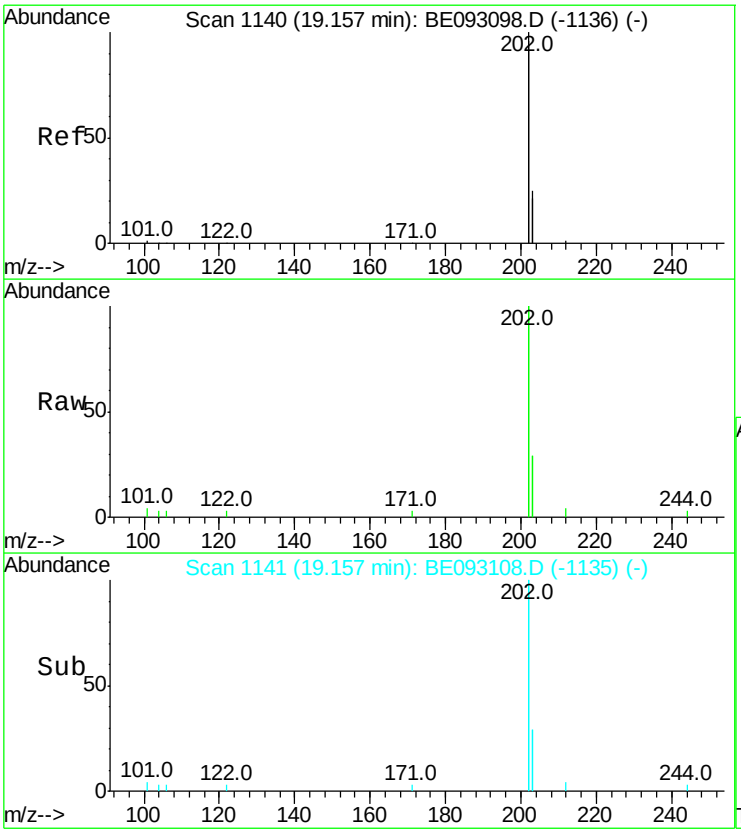
#25
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.12 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 1620

Ion	Ratio	Lower	Upper
212	100		
106	16.2	0.0	0.0#
104	8.9	0.0	0.0#

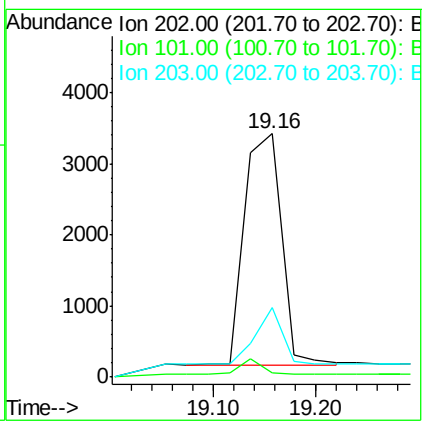


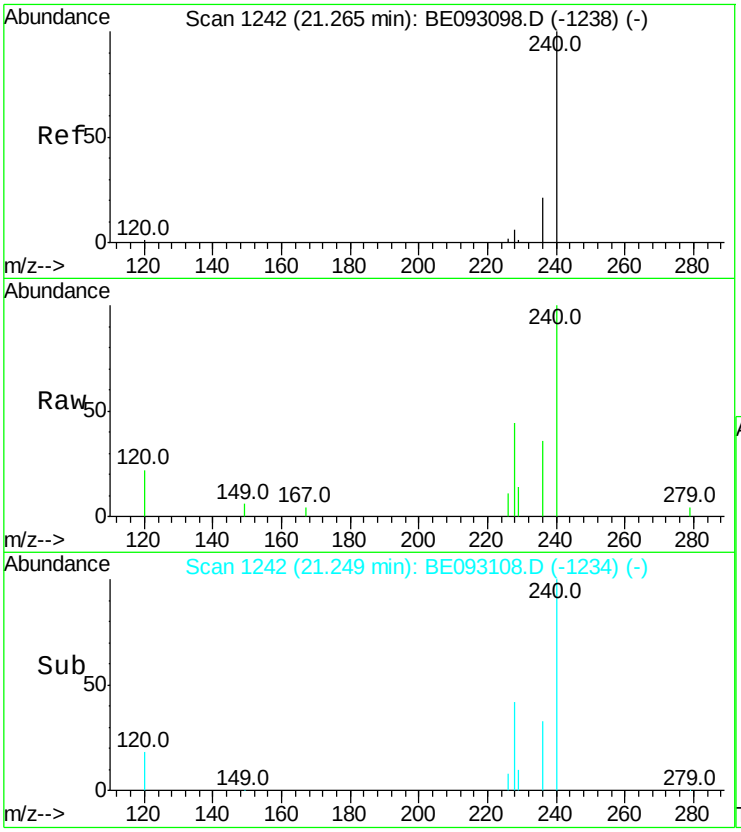


#26
Fluoranthene
Concen: 0.23 ng
RT: 19.16 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:202 Resp: 8103

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	17.6	14.4	21.6



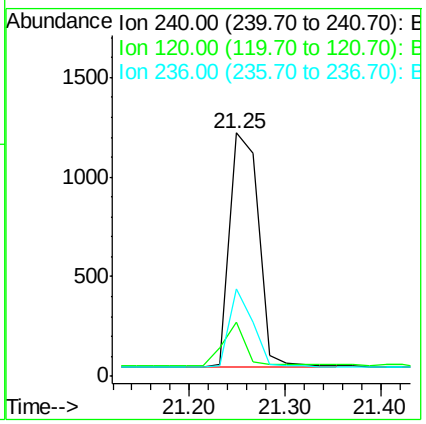


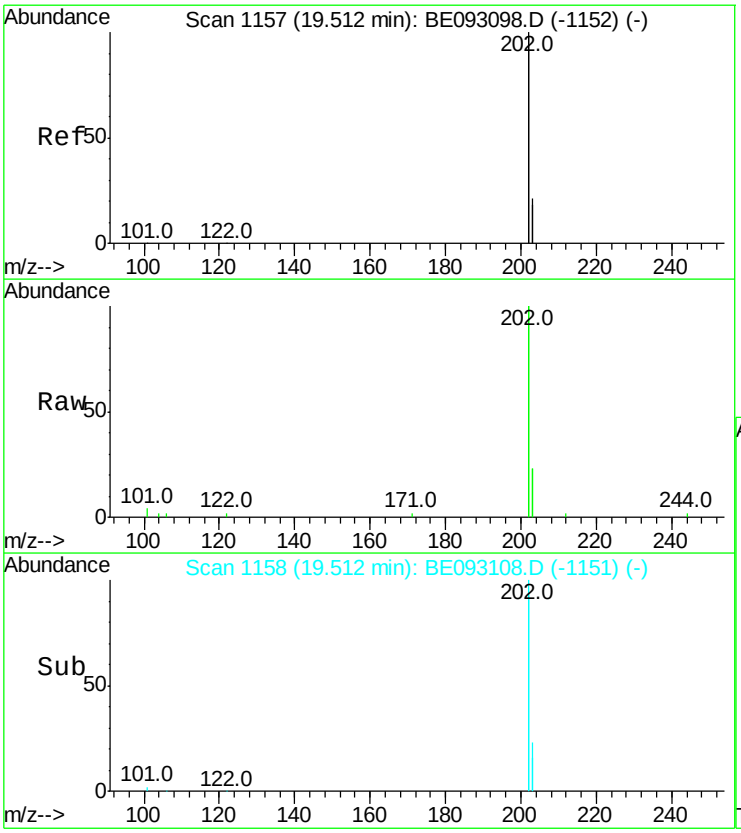
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.25 min Scan# 1242
Delta R.T. -0.02 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 2474

Ion	Ratio	Lower	Upper
240	100		
120	22.2	4.6	7.0#
236	35.8	20.8	31.2#

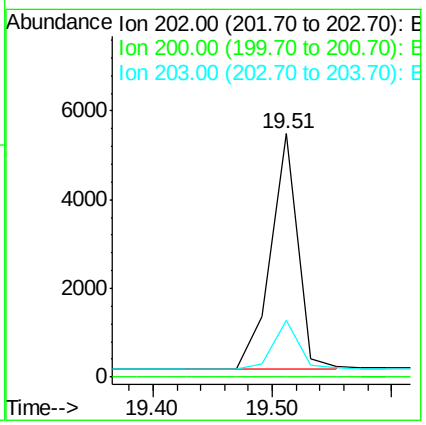


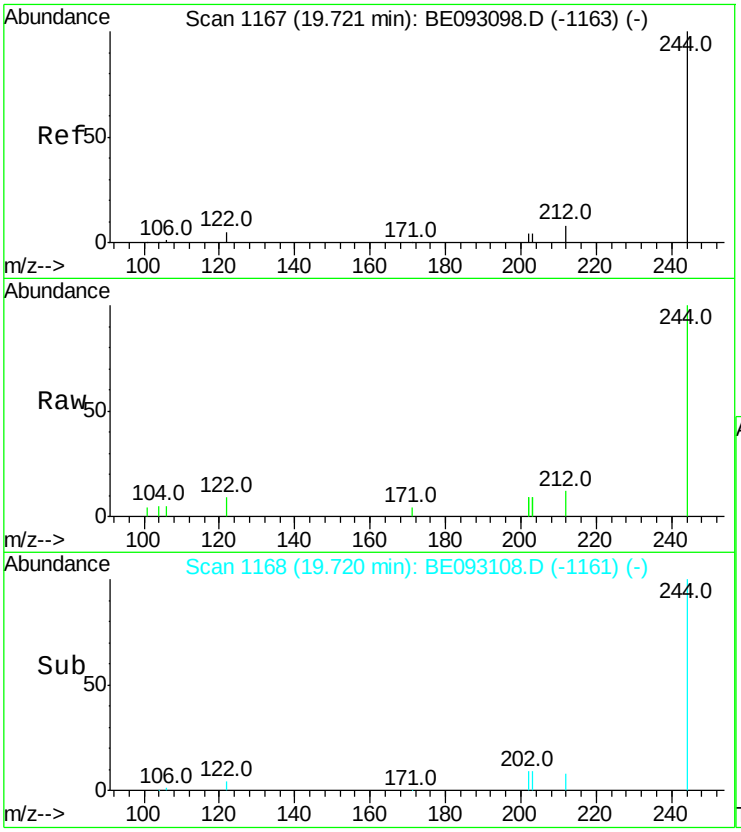


#28
Pyrene
Concen: 0.28 ng
RT: 19.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:202 Resp: 8525

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	19.2	13.7	20.5



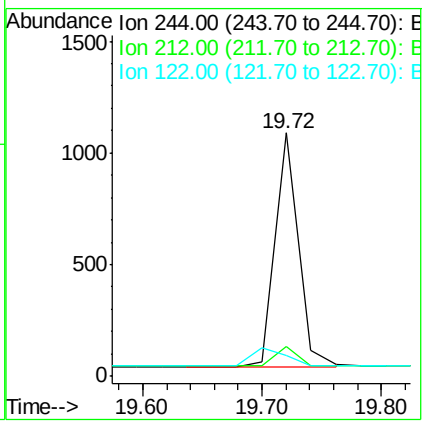


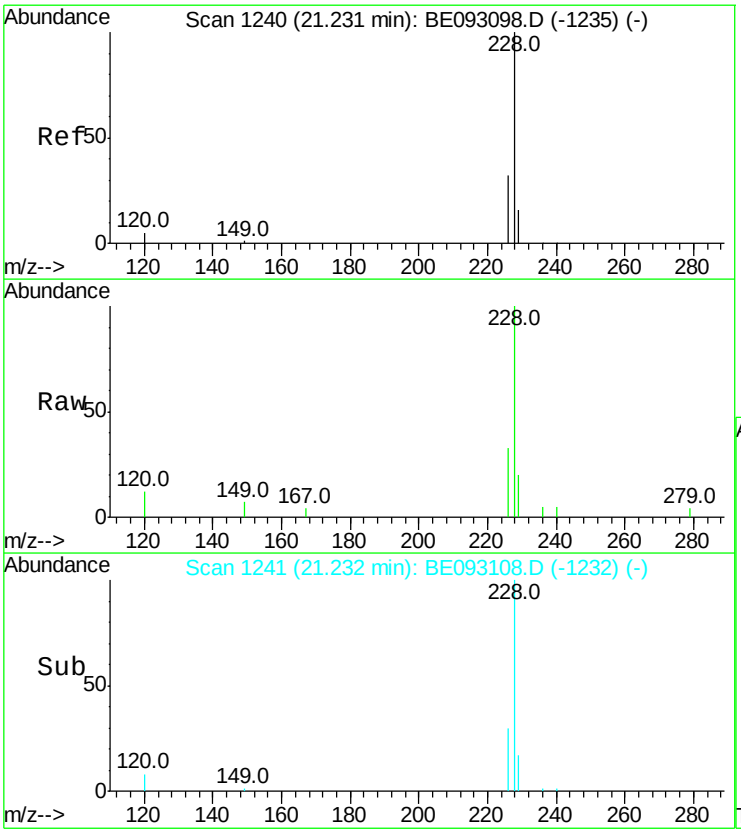
#29
Terphenyl-d14
Concen: 0.30 ng
RT: 19.72 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 1449

Ion	Ratio	Lower	Upper
244	100		
212	12.1	10.6	16.0
122	8.5	15.4	23.0#

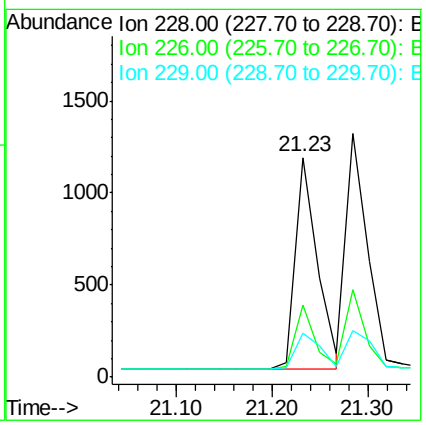


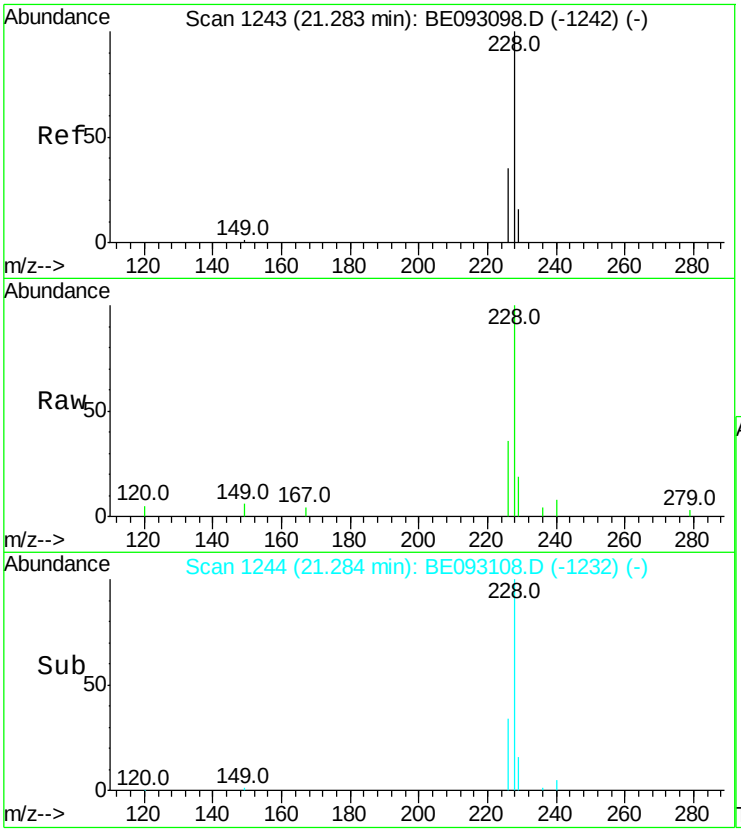


#30
Benzo(a)anthracene
Concen: 0.27 ng
RT: 21.23 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:228 Resp: 1821

Ion	Ratio	Lower	Upper
228	100		
226	32.7	19.7	29.5#
229	19.7	19.2	28.8



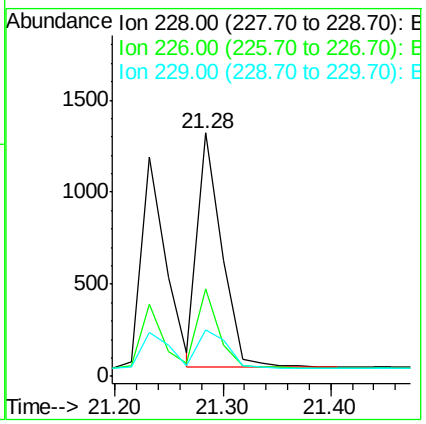


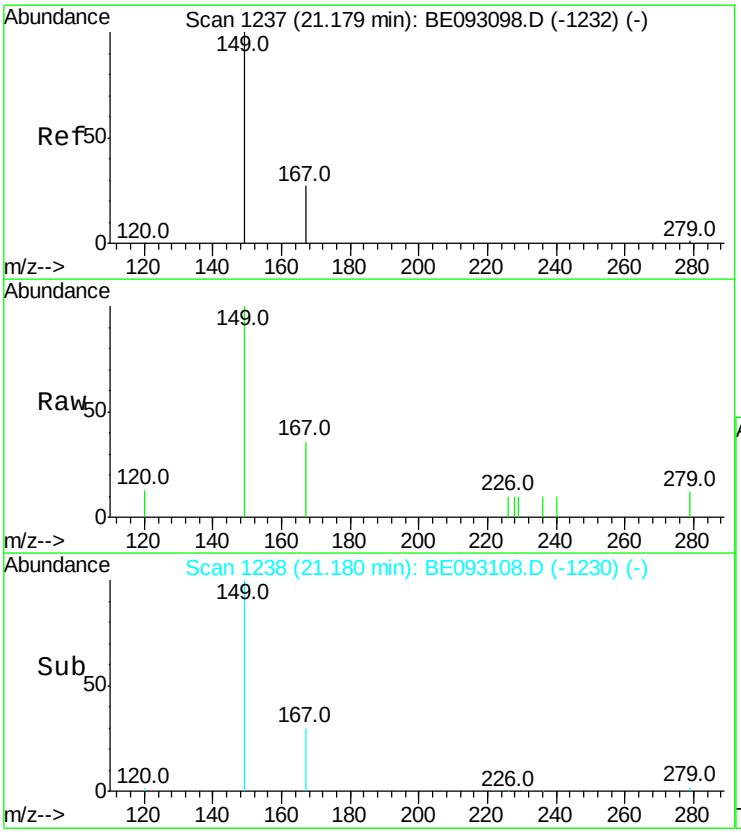
#31
Chrysene
Concen: 0.28 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 2005

Ion	Ratio	Lower	Upper
228	100		
226	35.8	21.5	32.3#
229	19.2	18.6	28.0

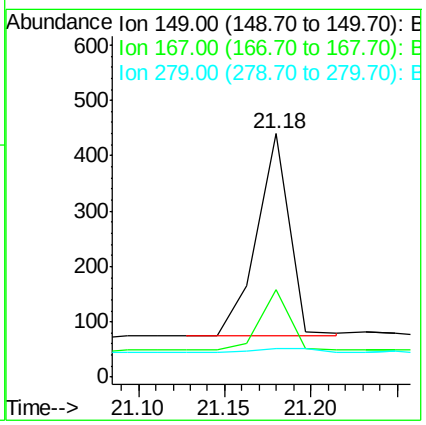


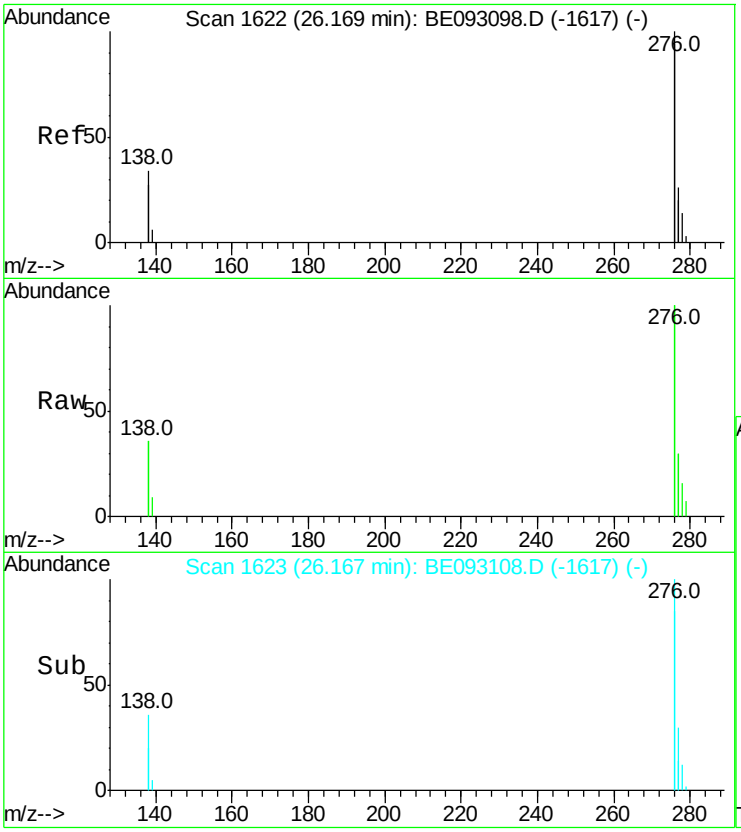


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.16 ng
RT: 21.18 min Scan# 1238
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:149 Resp: 490

Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.1	30.1
279	0.0	2.2	3.4#



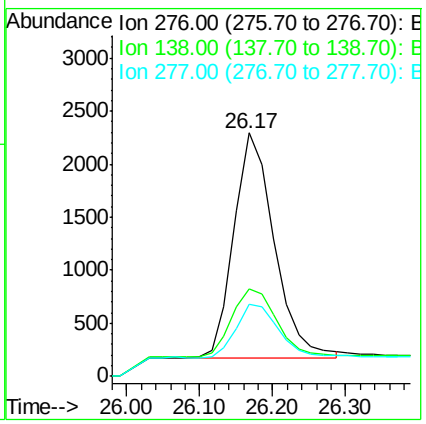


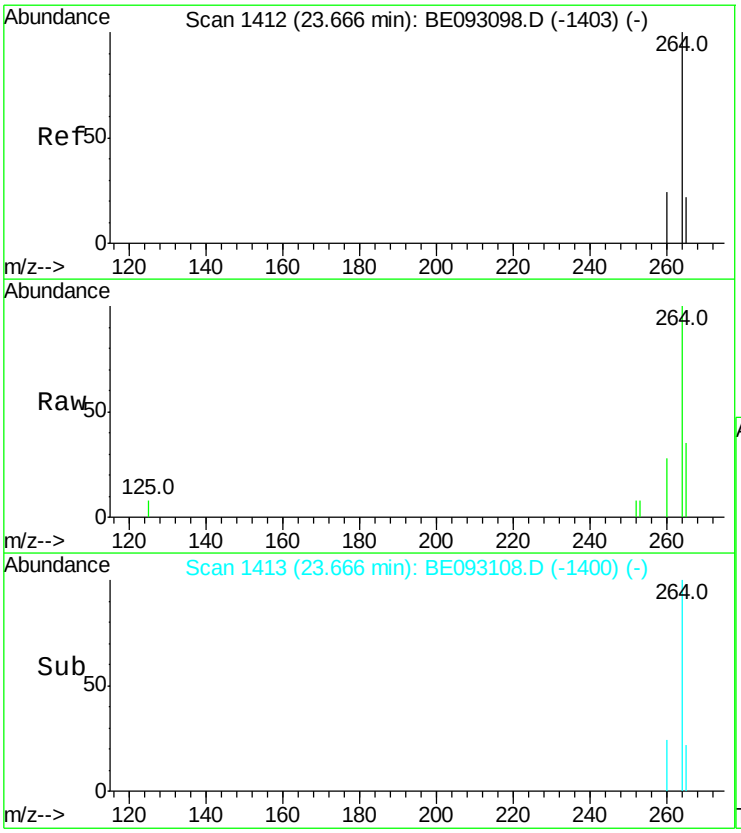
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.30 ng
RT: 26.17 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8111

Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.4	41.2
277	25.1	20.1	30.1

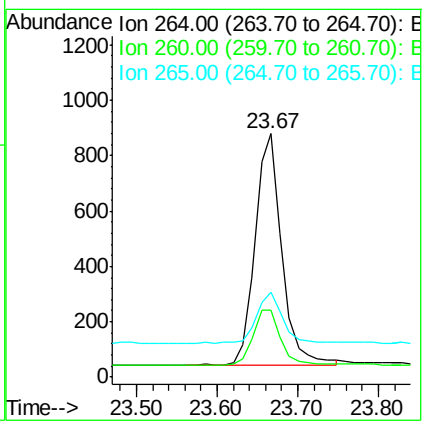


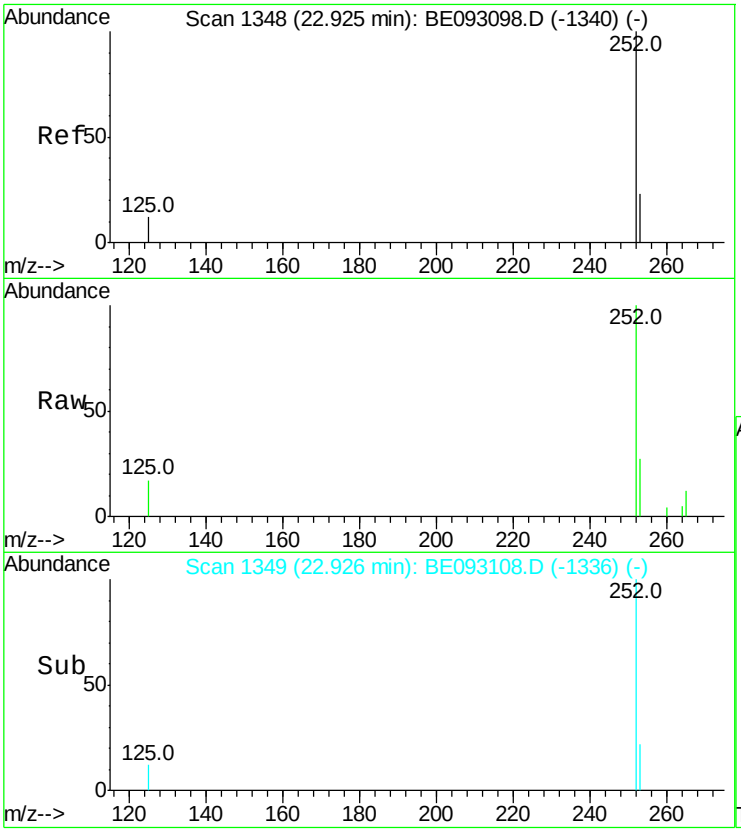


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.67 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:264 Resp: 1911

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.0	31.4
265	34.7	24.6	36.8



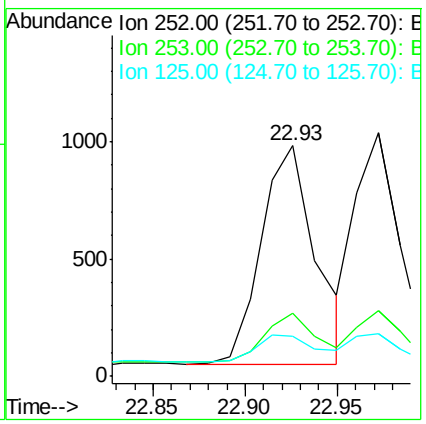


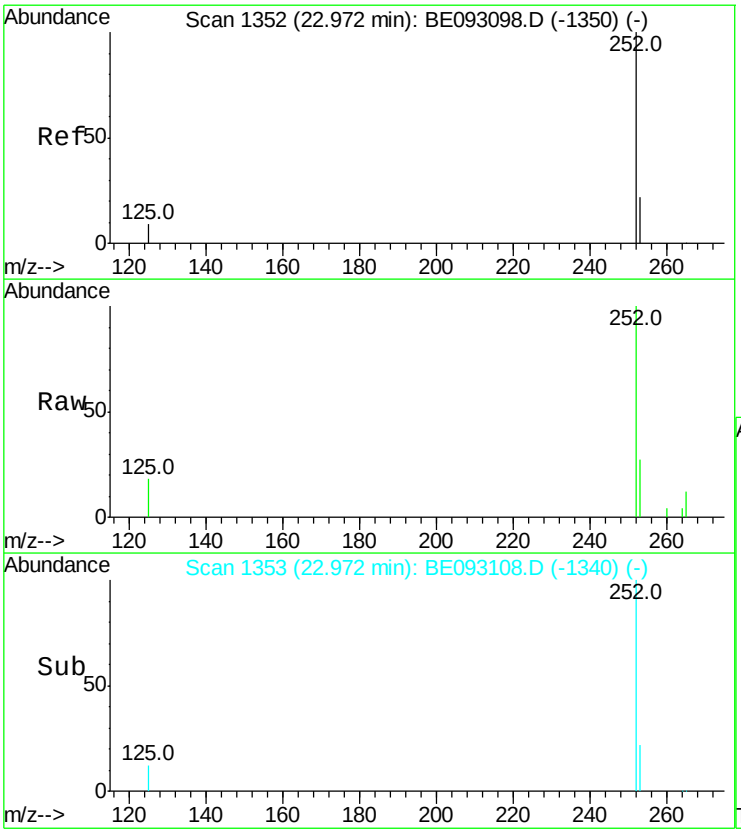
#35
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 22.93 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1914

Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.5	27.7
125	17.4	13.4	20.0

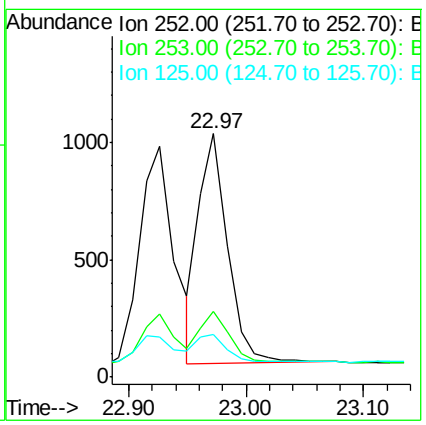


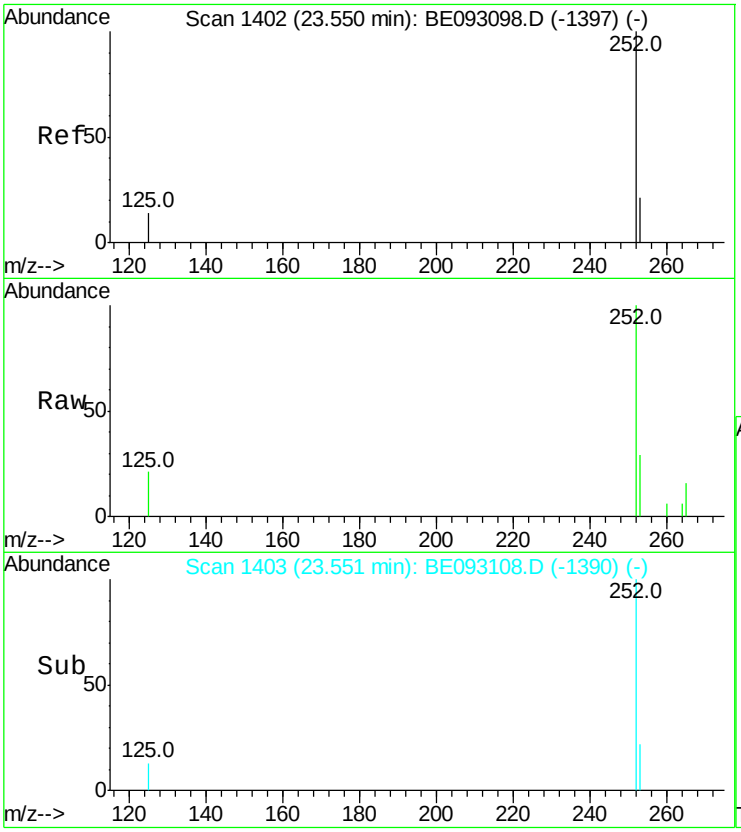


#36
Benzo(k)fluoranthene
Concen: 0.28 ng
RT: 22.97 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:252 Resp: 1684

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.3	30.5
125	17.6	12.2	18.4



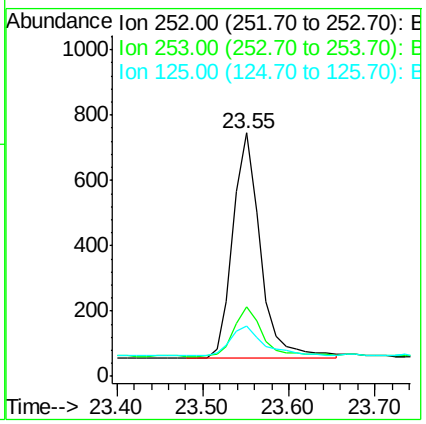


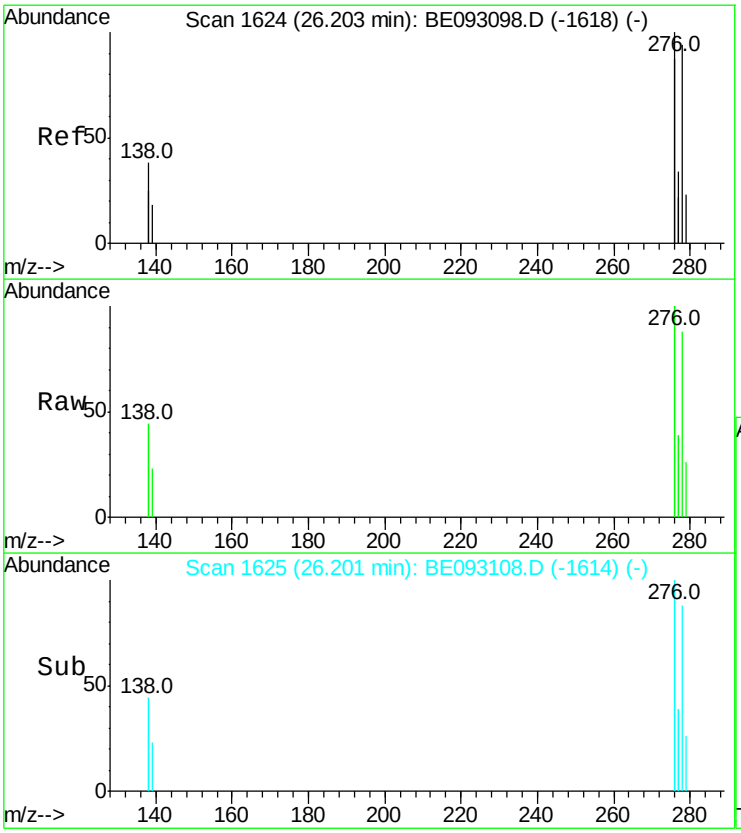
#37
Benzo(a)pyrene
Concen: 0.29 ng
RT: 23.55 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1550

Ion	Ratio	Lower	Upper
252	100		
253	28.7	19.9	29.9
125	20.9	14.6	21.8

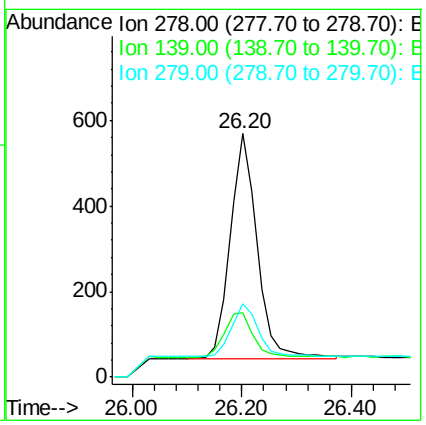


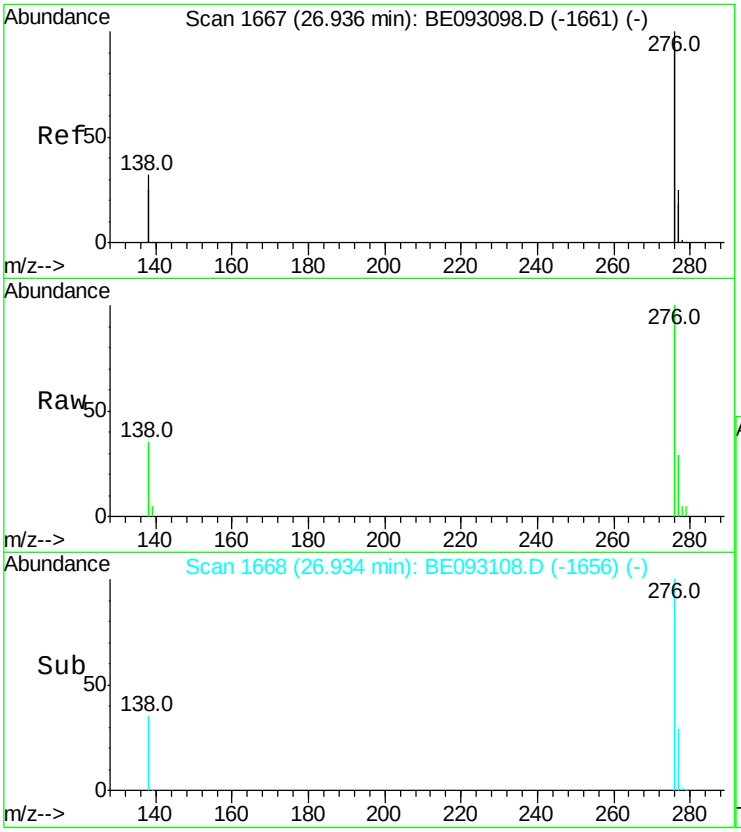


#38
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 26.20 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Tgt Ion:278 Resp: 1783

Ion	Ratio	Lower	Upper
278	100		
139	26.7	21.4	32.0
279	30.2	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.34 ng
RT: 26.93 min Scan# 1668
Delta R.T. -0.00 min
Lab File: BE093108.D
Acq: 12 Jun 2017 19:05

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 7543

Ion	Ratio	Lower	Upper
276	100		
277	28.8	21.2	31.8
138	35.3	24.5	36.7