Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061217\
Data File : BE093104.D
Acq On : 12 Jun 2017 16:00
Operator : SJ/MA
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 13 01:10:35 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	757	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3441	0.40	ng		0.00
13) Acenaphthene-d10	14.37	164	1750	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	3722	0.40	ng		0.00
27) Chrysene-d12	21.27	240	5569	0.40	ng		0.00
34) Perylene-d12	23.67	264	4664	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.34	112	727	0.33	ng		0.00
5) Phenol-d6	6.90	99	1041	0.32	ng		0.00
8) Nitrobenzene-d5	8.88	82	958	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	1811	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	128	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	2693	0.36	ng		0.00
25) Fluoranthene-d10	19.11	212	4132	0.34	ng		0.00
29) Terphenyl-d14	19.72	244	3961	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	594	0.354	ng		99
3) n-Nitrosodimethylamine	3.59	42	512	0.357	ng		96
6) bis(2-Chloroethyl)ether	7.15	93	991	0.347	ng	#	100
9) Naphthalene	10.56	128	3291	0.356	ng		98
10) Hexachlorobutadiene	10.87	225	452	0.361	ng		99
12) 2-Methylnaphthalene	12.18	142	2039	0.356	ng		95
16) Acenaphthylene	14.08	152	10326	0.339	ng		100
17) Acenaphthene	14.44	154	2052	0.362	ng		92
18) Fluorene	15.41	166	2437	0.356	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	806	0.356	ng	#	80
21) Hexachlorobenzene	16.44	284	673	0.337	ng	#	100
22) Pentachlorophenol	16.79	266	200	0.311	ng		90
23) Phenanthrene	17.16	178	5679	0.338	ng		99
24) Anthracene	17.25	178	4683	0.329	ng		98
26) Fluoranthene	19.16	202	20693	0.339	ng	#	99
28) Pyrene	19.51	202	25463	0.376	ng	#	98
30) Benzo(a)anthracene	21.23	228	5159	0.343	ng	#	86
31) Chrysene	21.28	228	5527	0.344	ng	#	86
32) Bis(2-ethylhexyl)phthalate	21.18	149	2015	0.325	ng		97
33) Indeno(1,2,3-cd)pyrene	26.17	276	20117	0.336	ng		99
35) Benzo(b)fluoranthene	22.93	252	5262	0.351	ng		96
36) Benzo(k)fluoranthene	22.97	252	4993	0.345	ng		97
37) Benzo(a)pyrene	23.55	252	4281	0.330	ng		97
38) Dibenzo(a,h)anthracene	26.20	278	4655	0.345	ng		95
39) Benzo(g,h,i)perylene	26.93	276	18625	0.341	ng		98

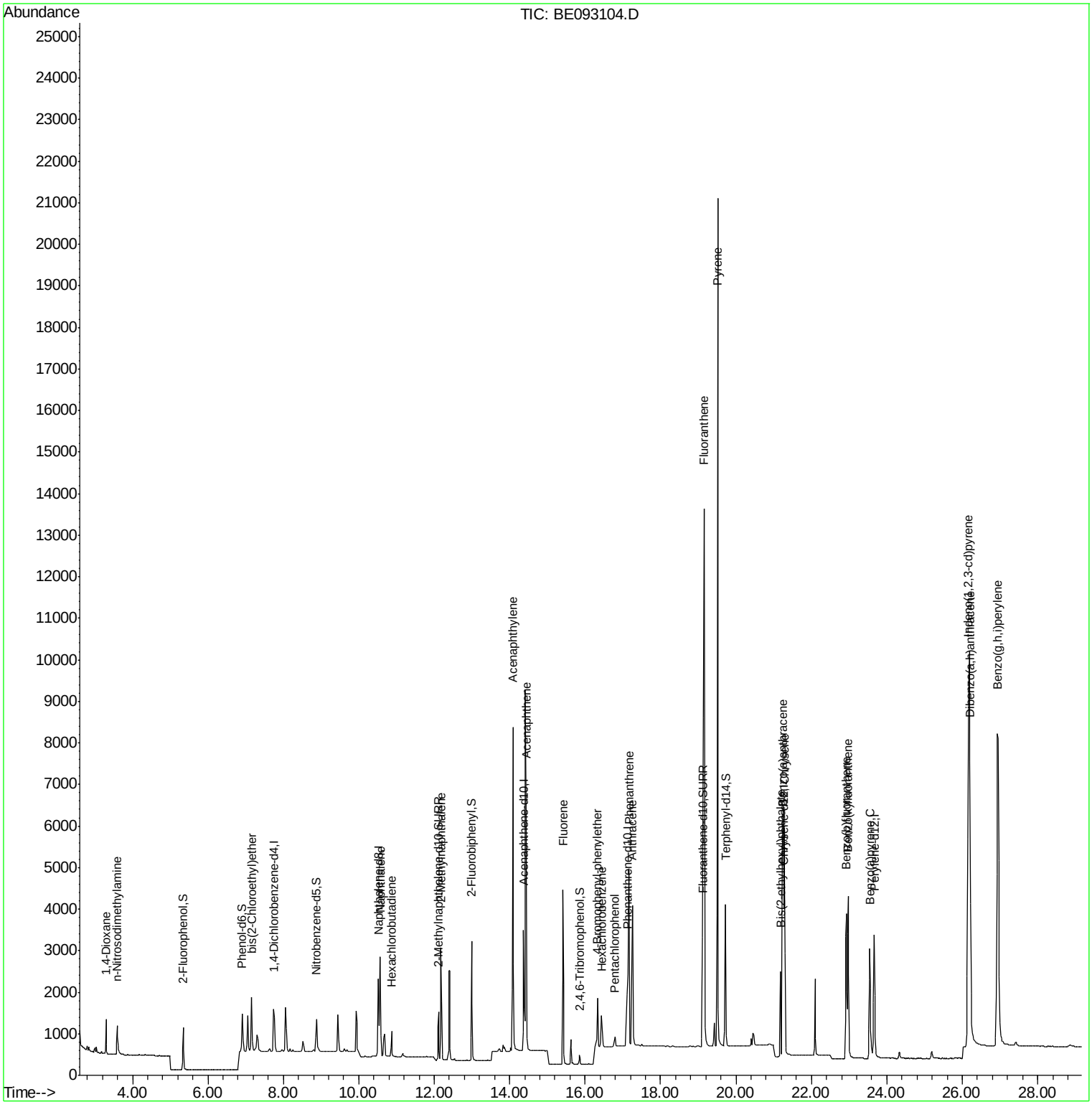
(#) = qualifier out of range (m) = manual integration (+) = signals summed

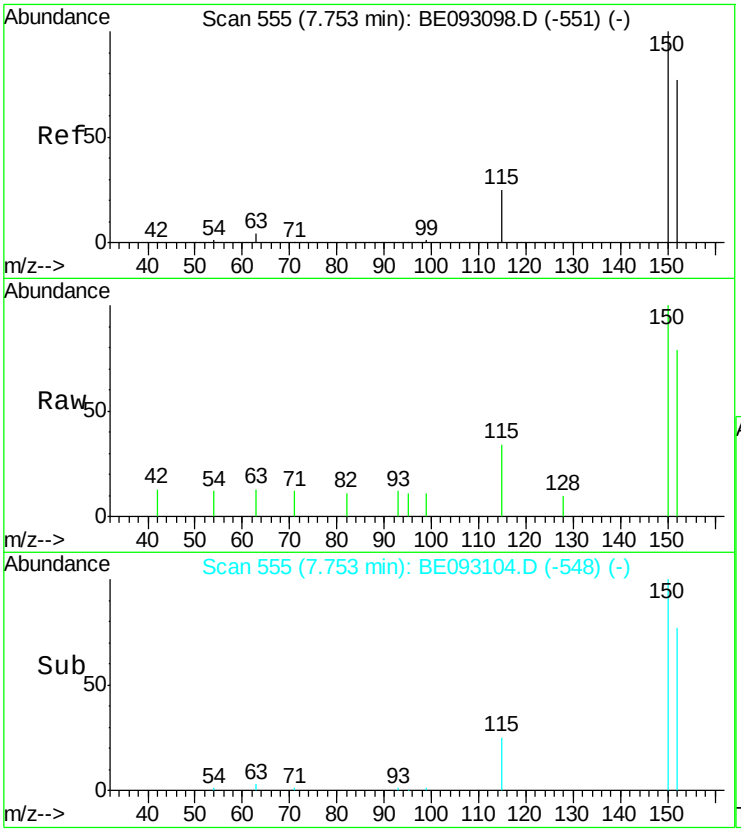
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061217\
Data File : BE093104.D
Acq On : 12 Jun 2017 16:00
Operator : SJ/MA
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 13 01:10:35 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



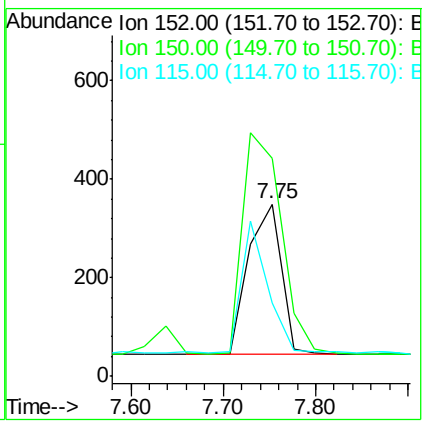


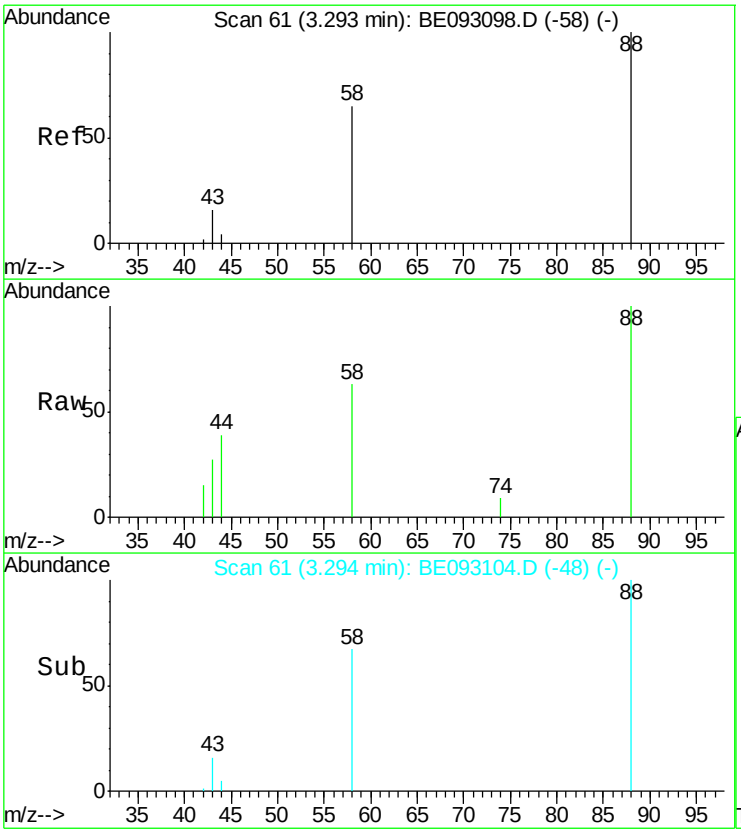
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 757

Ion	Ratio	Lower	Upper
152	100		
150	126.3	125.1	187.7
115	42.9	55.7	83.5#

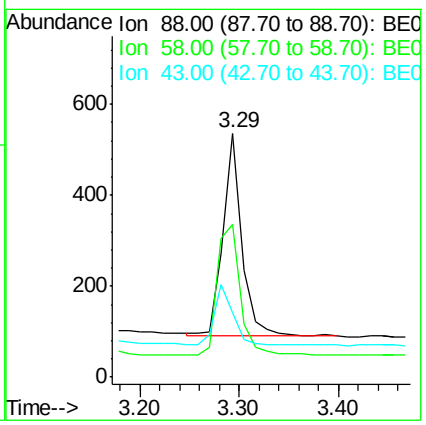


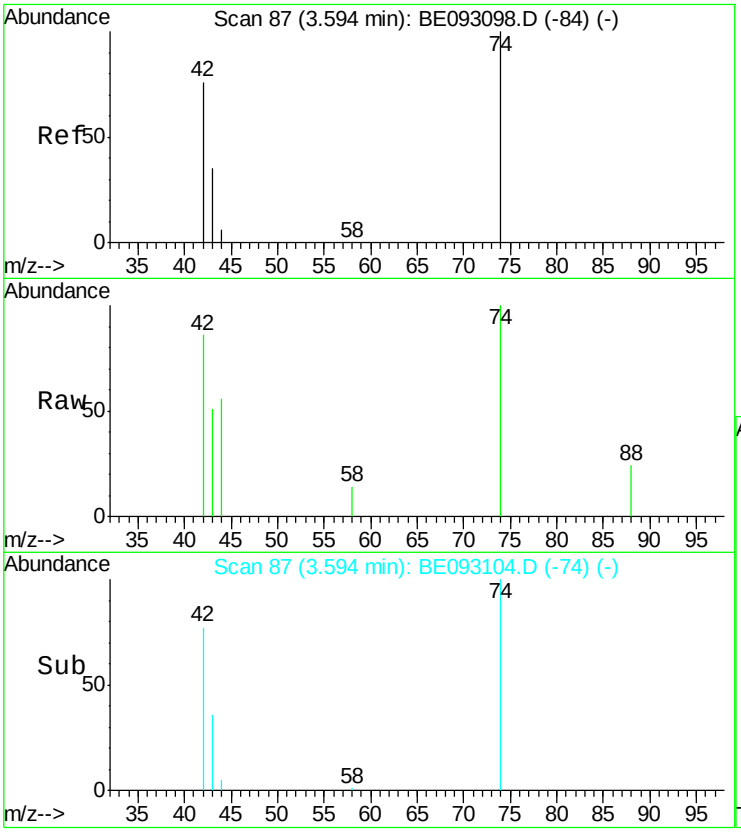


#2
1,4-Dioxane
Concen: 0.354 ng
RT: 3.29 min Scan# 61
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion: 88 Resp: 594

Ion	Ratio	Lower	Upper
88	100		
58	76.9	62.2	93.4
43	29.6	23.2	34.8



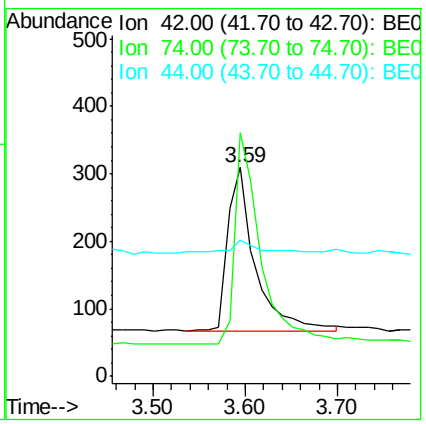


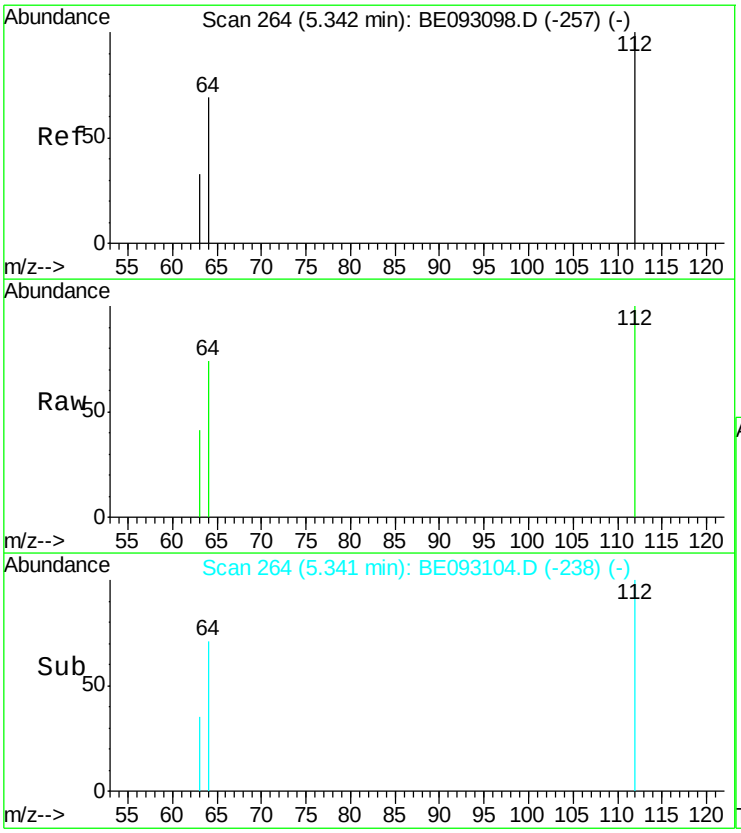
#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.59 min Scan# 87
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 512

Ion	Ratio	Lower	Upper
42	100		
74	118.8	99.1	148.7
44	10.0	7.4	11.2

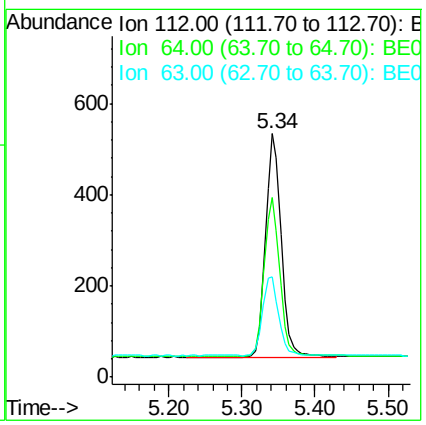


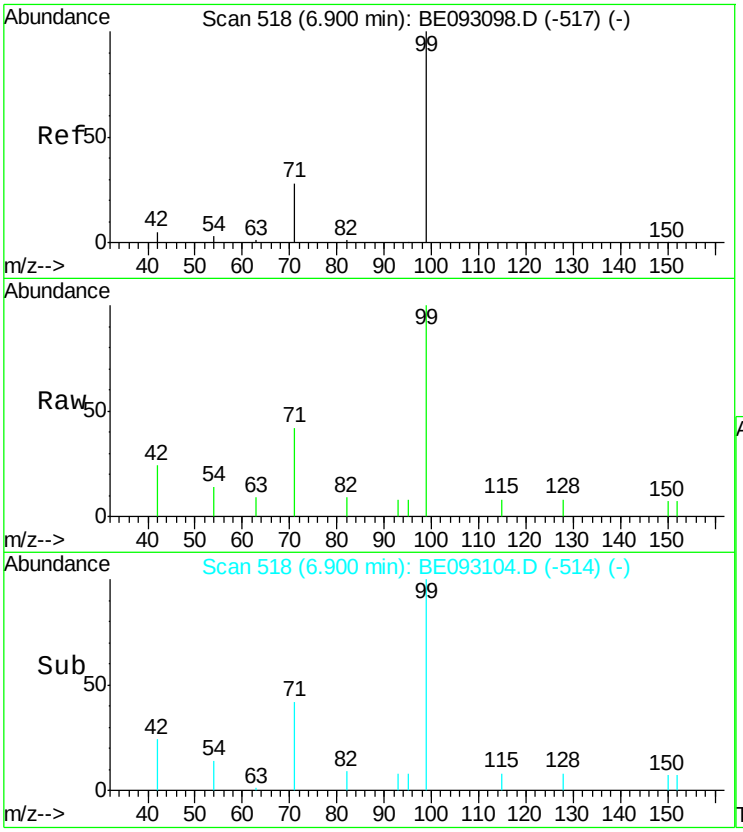


#4
2-Fluorophenol
Concen: 0.325 ng
RT: 5.34 min Scan# 264
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:112 Resp: 727

Ion	Ratio	Lower	Upper
112	100		
64	70.7	56.4	84.6
63	36.6	29.3	43.9



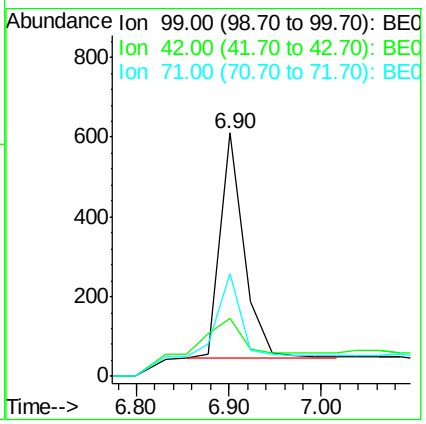


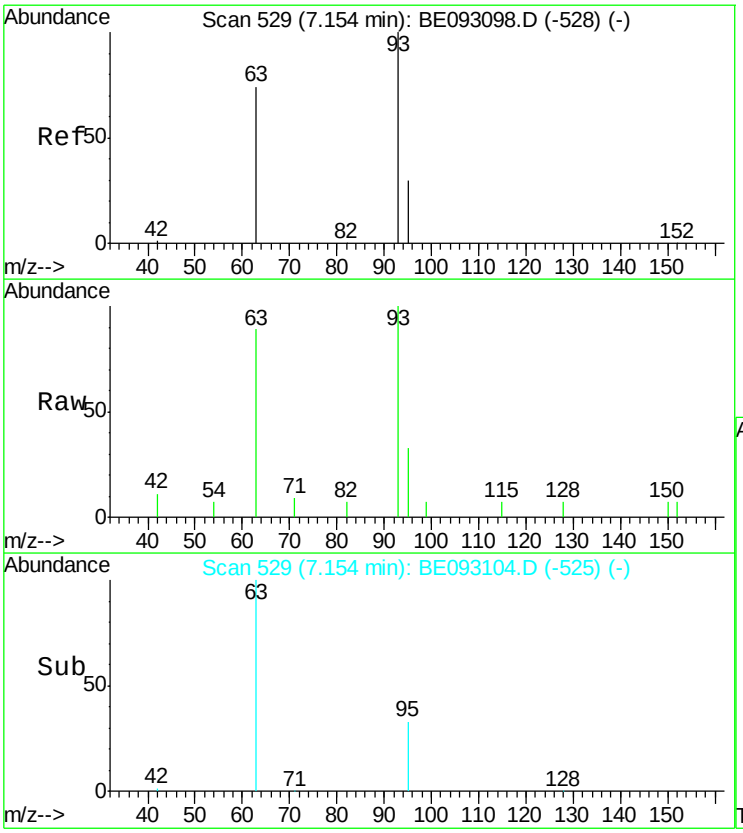
#5
Phenol-d6
Concen: 0.318 ng
RT: 6.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1041

Ion	Ratio	Lower	Upper
99	100		
42	20.9	0.0	0.0#
71	34.5	0.0	0.0#

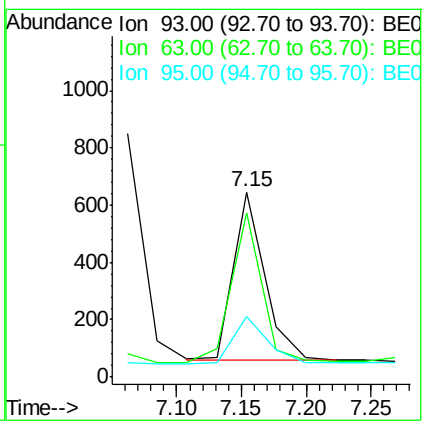


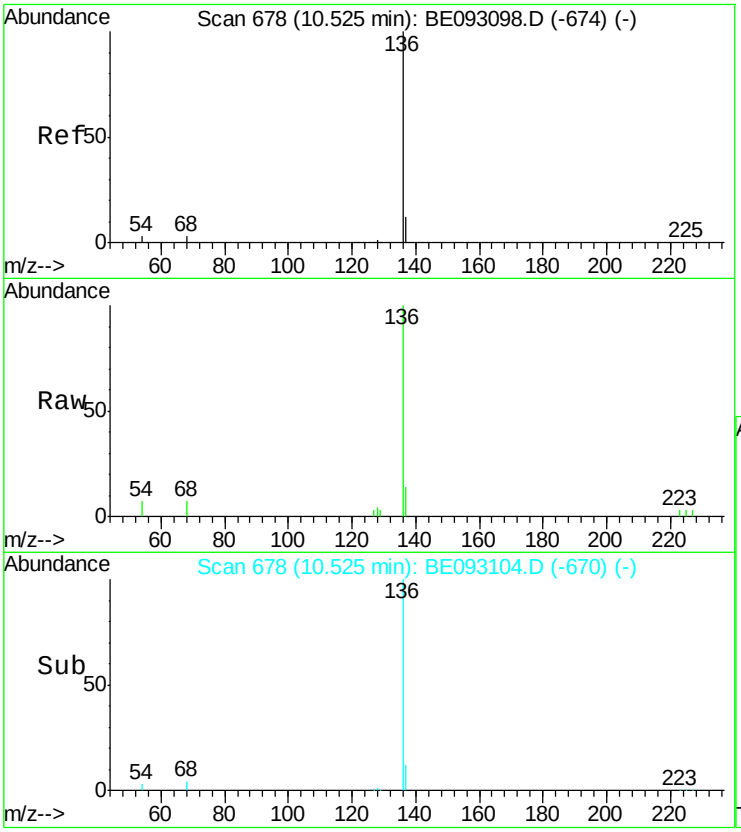


#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 7.15 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion: 93 Resp: 991

Ion	Ratio	Lower	Upper
93	100		
63	89.5	0.0	0.0#
95	31.5	25.4	38.0



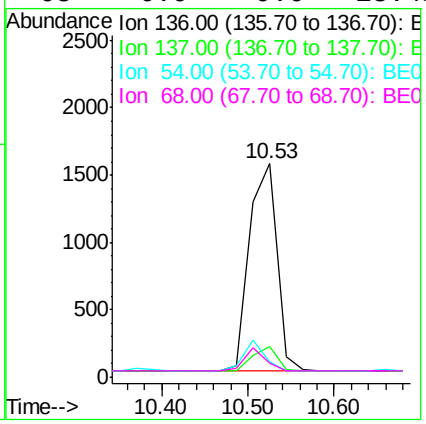


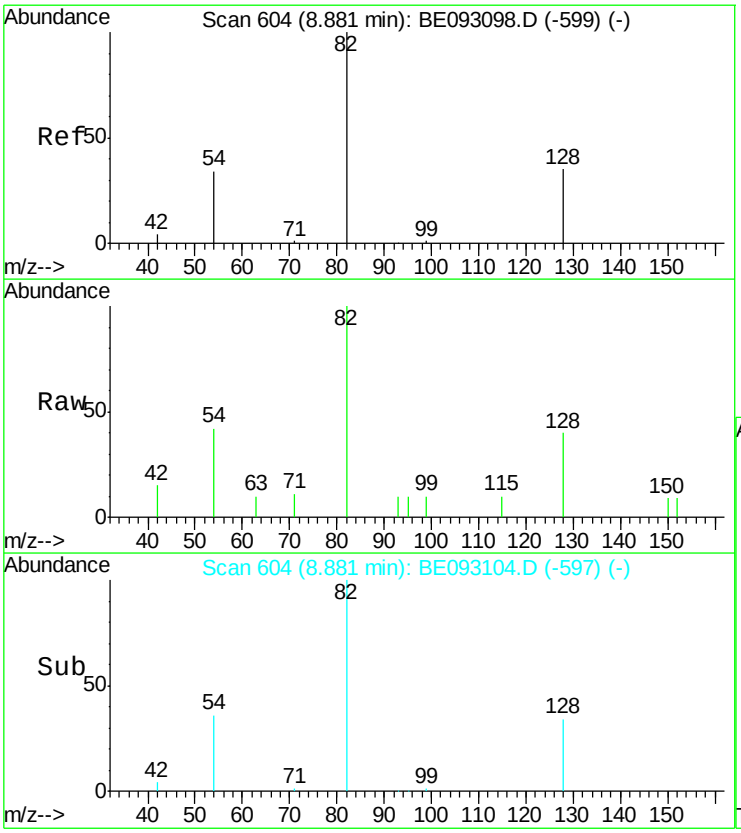
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.53 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3441

Ion	Ratio	Lower	Upper
136	100		
137	14.4	9.8	14.8
54	6.9	10.3	15.5#
68	6.9	9.0	13.4#

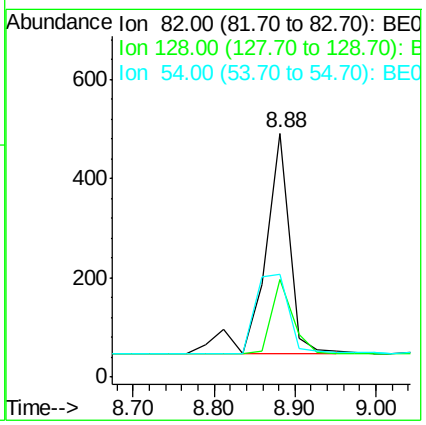


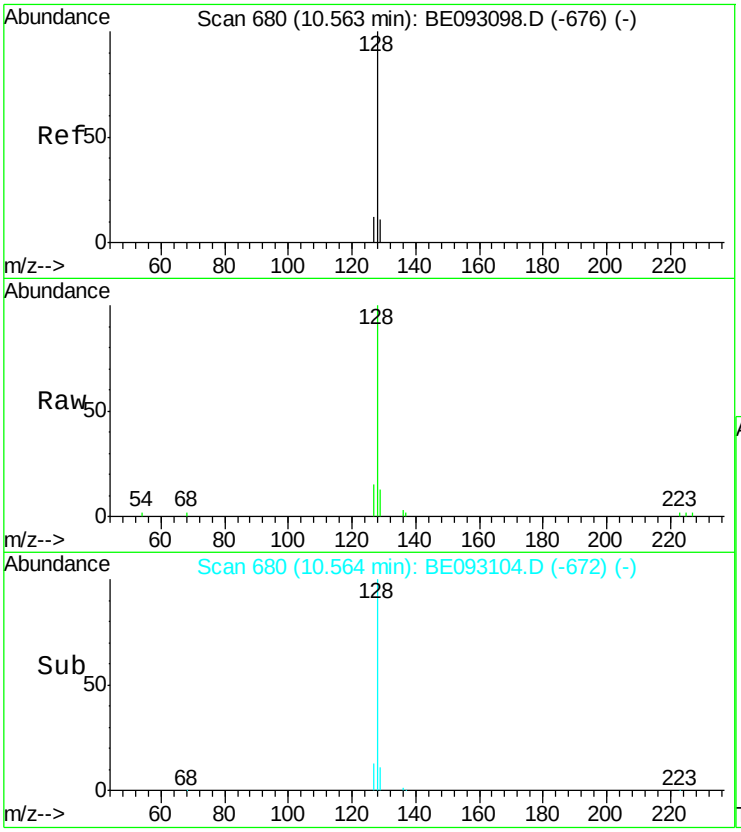


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.88 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion: 82 Resp: 958

Ion	Ratio	Lower	Upper
82	100		
128	40.1	17.0	25.4#
54	42.2	53.8	80.6#



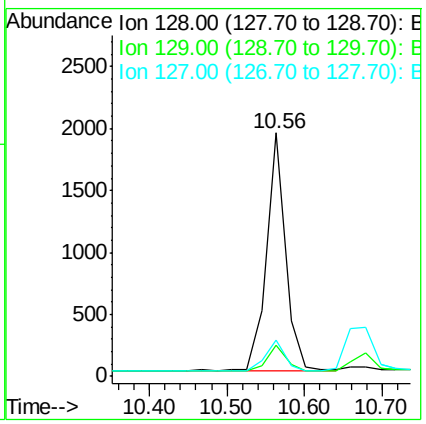


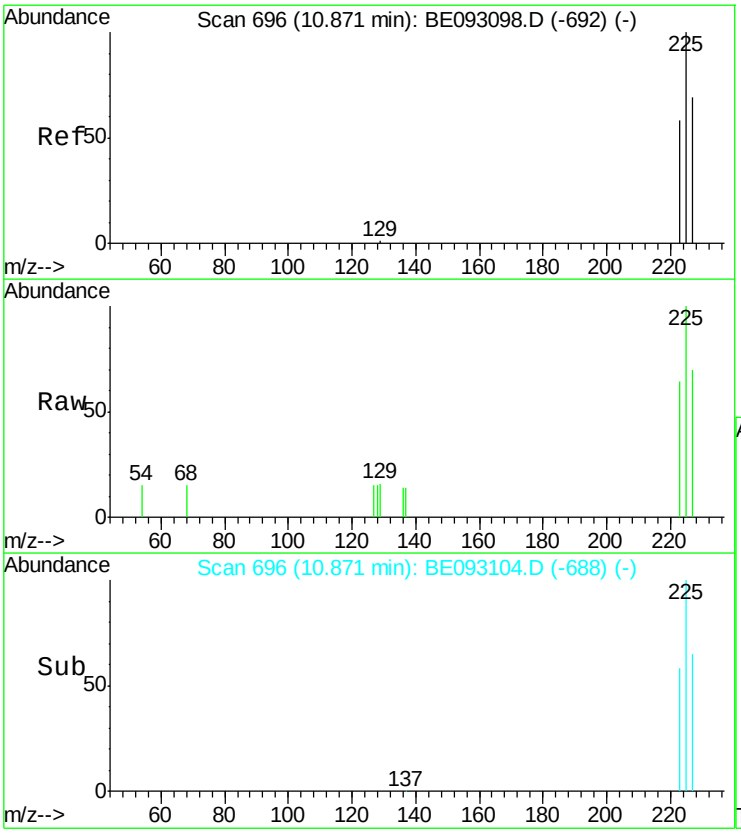
#9
Naphthalene
Concen: 0.356 ng
RT: 10.56 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 3291

Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.4	17.0
127	14.6	11.2	16.8

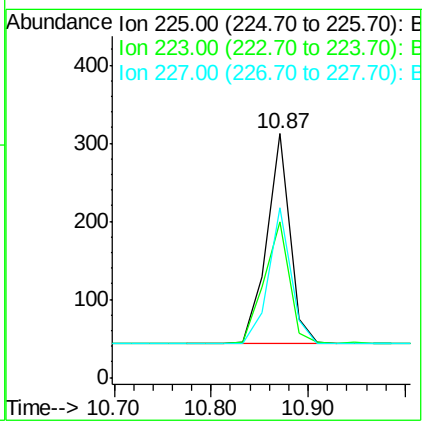


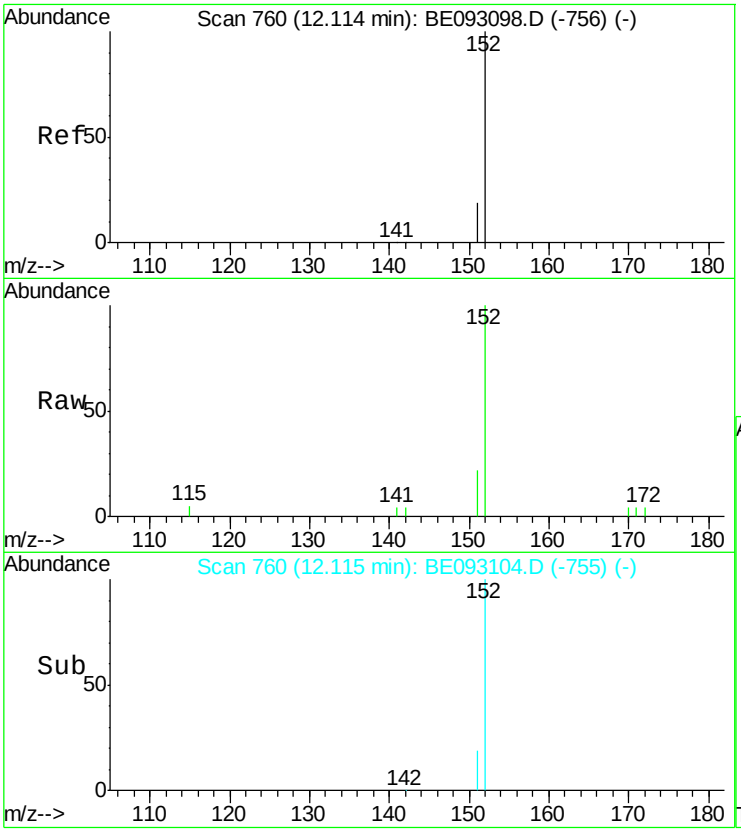


#10
Hexachlorobutadiene
Concen: 0.361 ng
RT: 10.87 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:225 Resp: 452

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.7	74.5
227	61.7	50.3	75.5



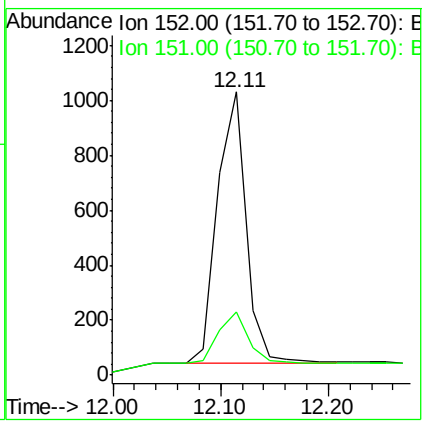


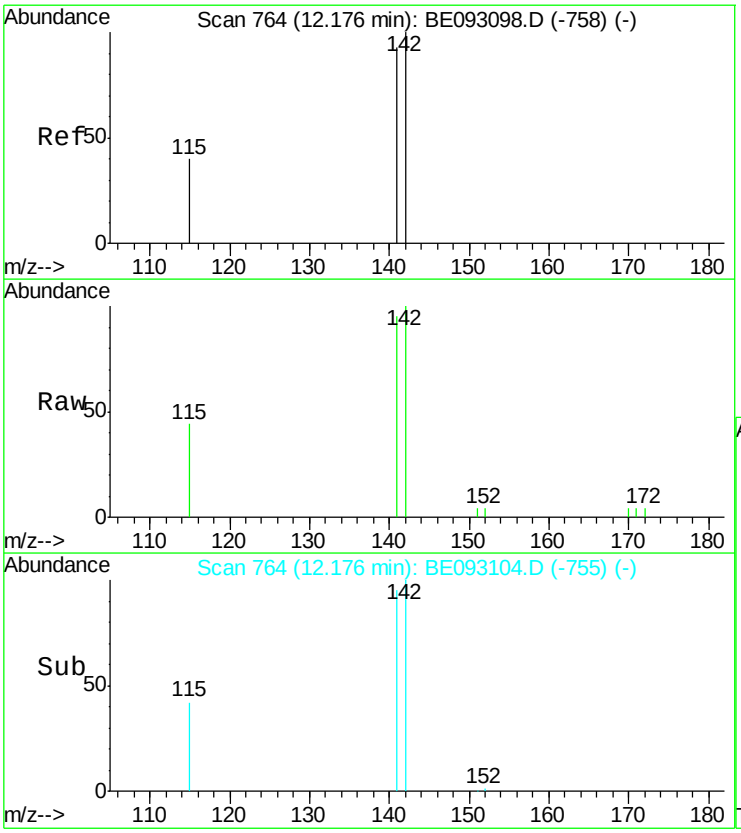
#11
2-Methylnaphthalene-d10
Concen: 0.350 ng
RT: 12.11 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1811

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.1	22.7

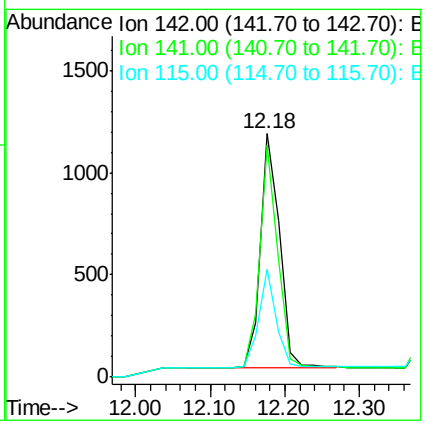


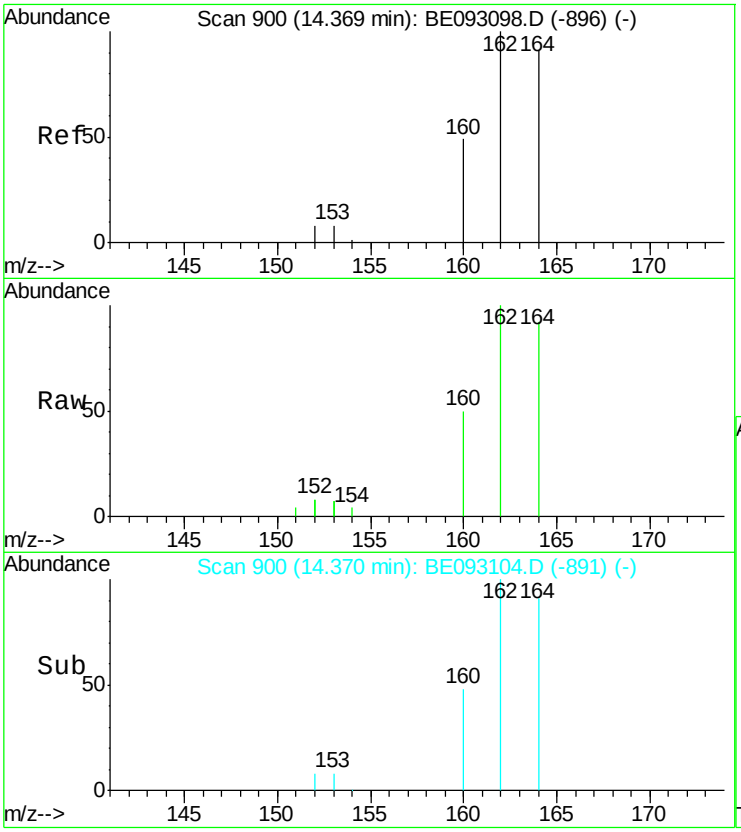


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.18 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:142 Resp: 2039

Ion	Ratio	Lower	Upper
142	100		
141	95.1	72.6	108.8
115	44.2	32.2	48.2



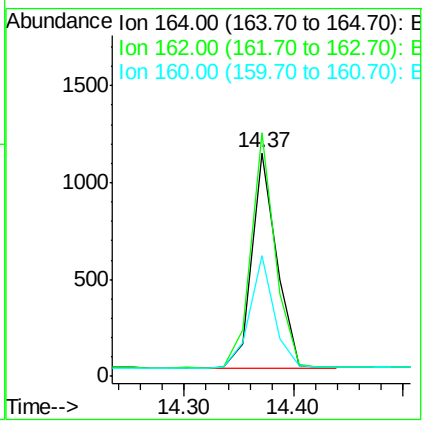


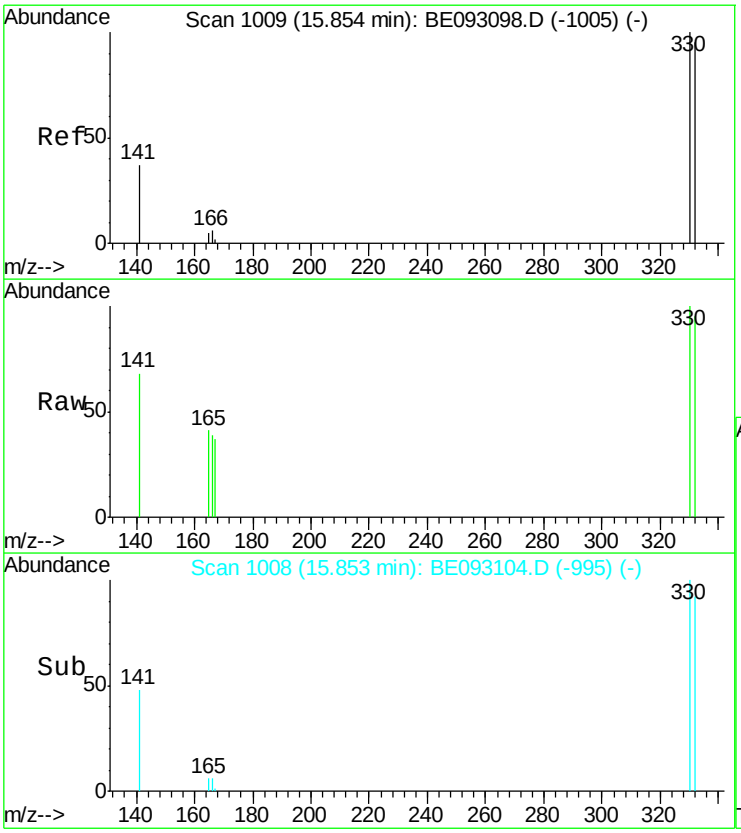
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.37 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 1750

Ion	Ratio	Lower	Upper
164	100		
162	108.9	84.6	127.0
160	54.1	41.8	62.6

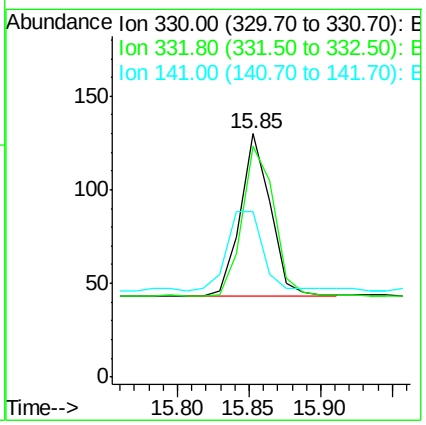


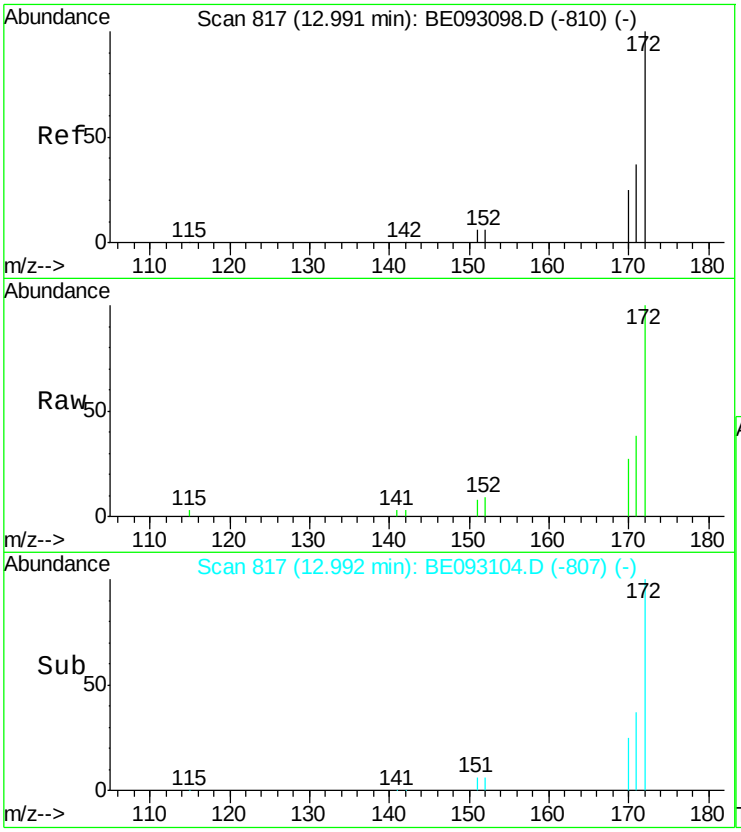


#14
2,4,6-Tribromophenol
Concen: 0.321 ng
RT: 15.85 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:330 Resp: 128

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.7	116.5
141	57.8	56.2	84.4



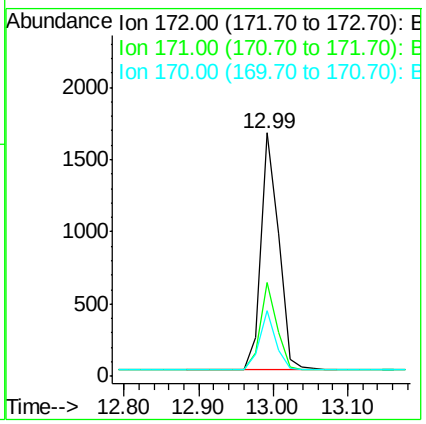


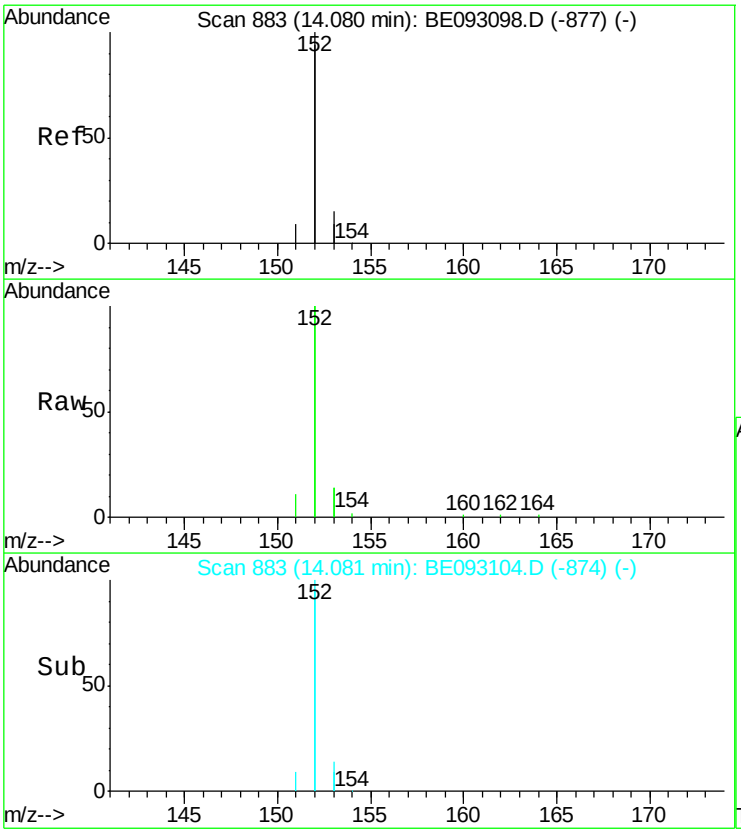
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 2693

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.8	44.6
170	27.2	20.7	31.1

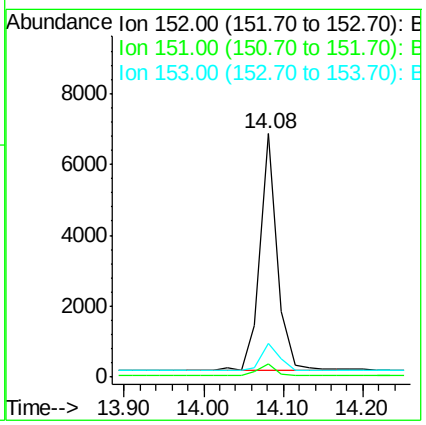


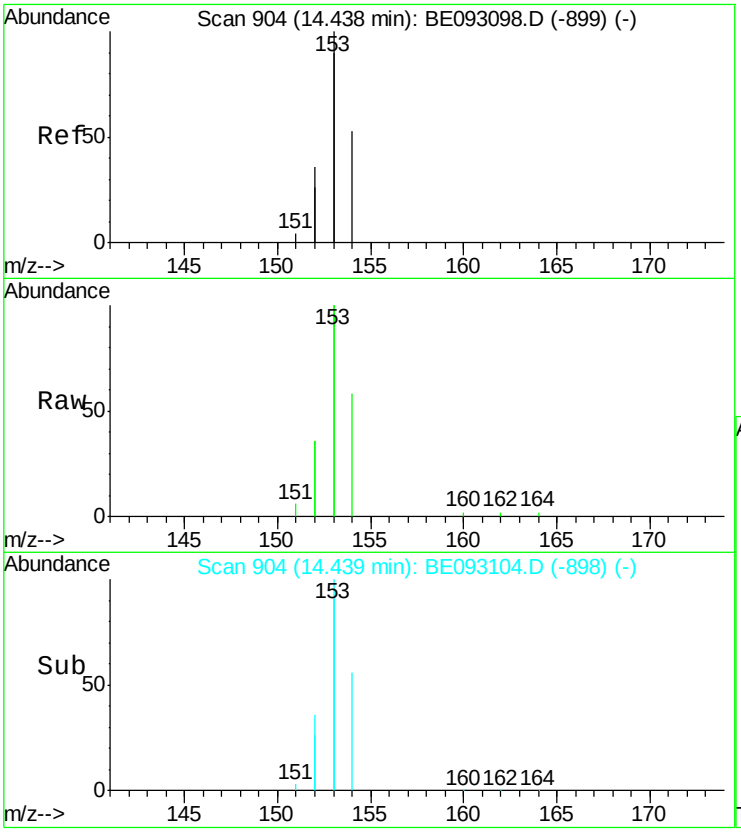


#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.08 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:152 Resp: 10326

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	12.7	10.3	15.5



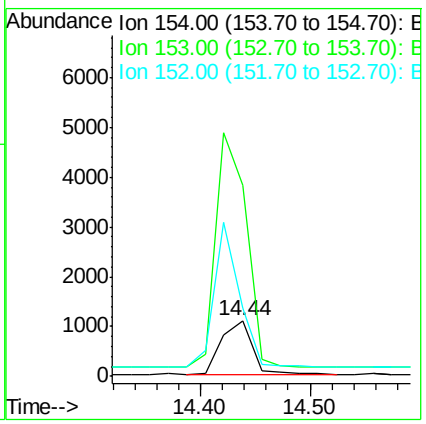


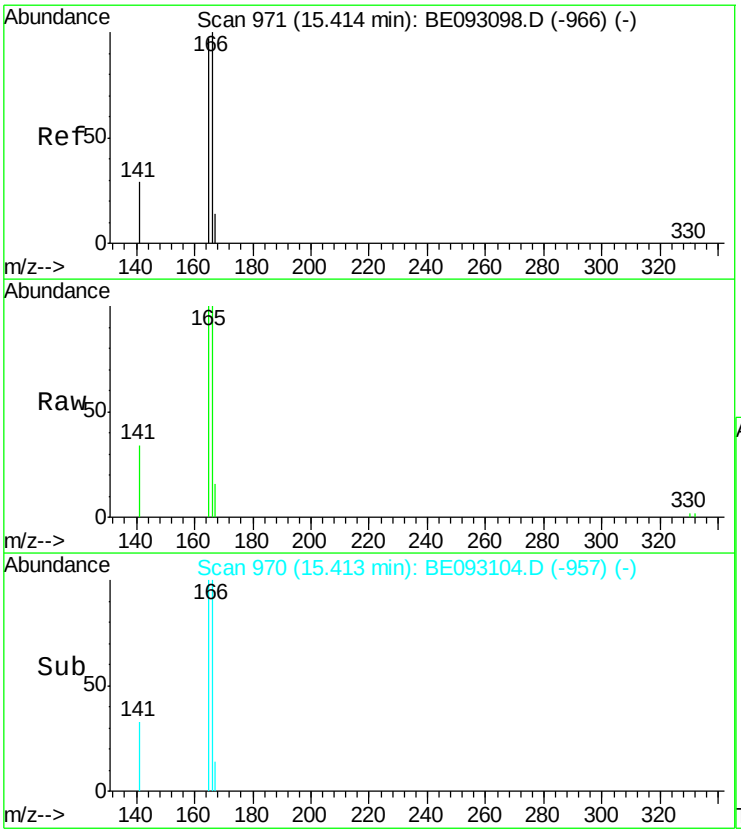
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2052

Ion	Ratio	Lower	Upper
154	100		
153	438.7	367.8	551.6
152	224.0	188.2	282.2

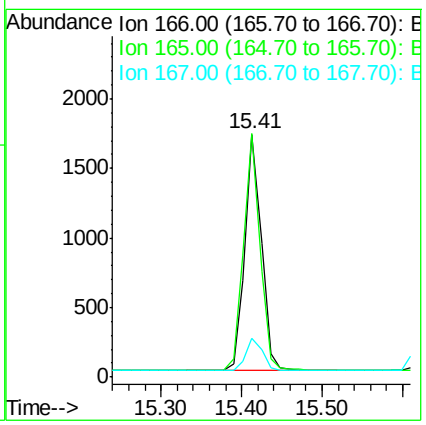


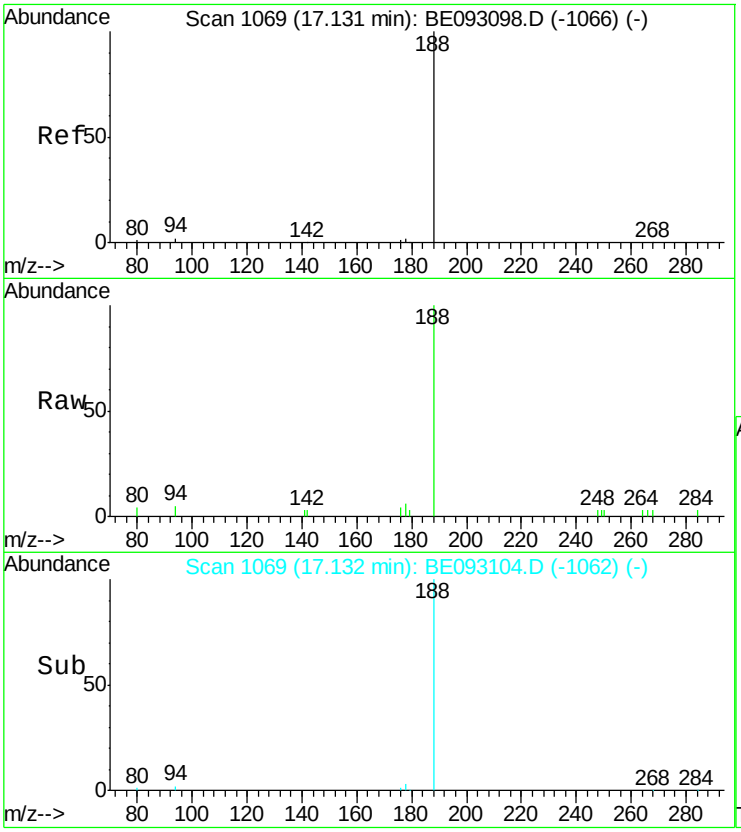


#18
Fluorene
Concen: 0.356 ng
RT: 15.41 min Scan# 970
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:166 Resp: 2437

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	117.8
167	13.9	11.1	16.7



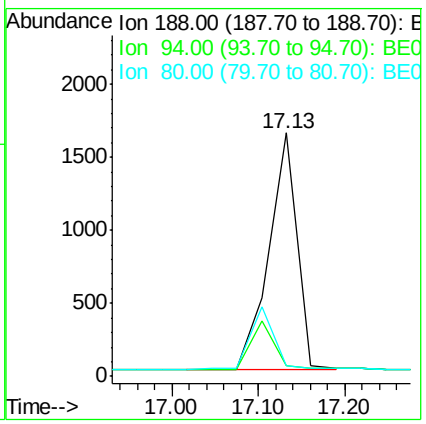


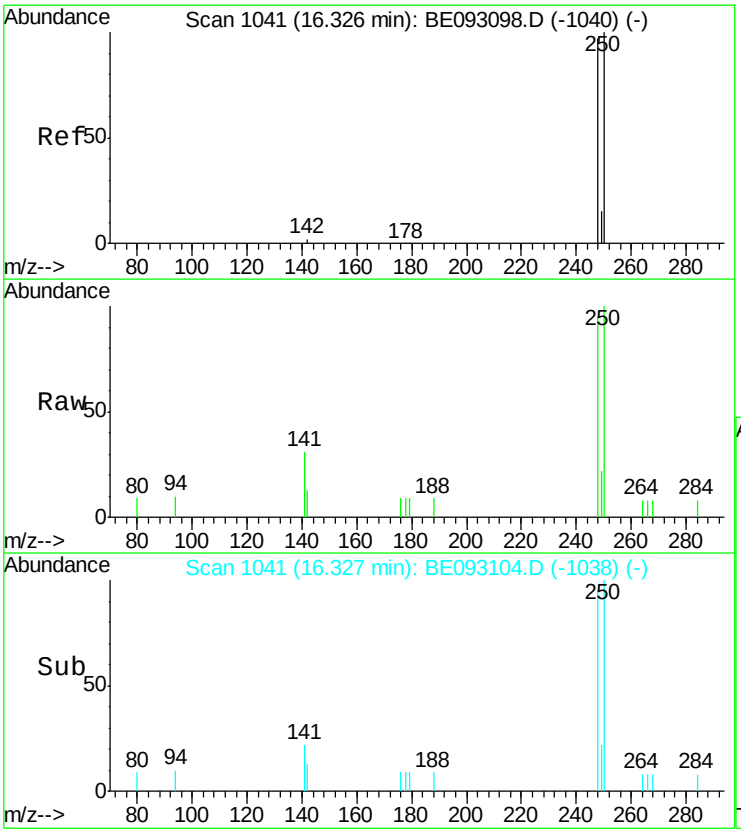
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 3722

Ion	Ratio	Lower	Upper
188	100		
94	4.6	11.3	16.9#
80	4.5	11.7	17.5#

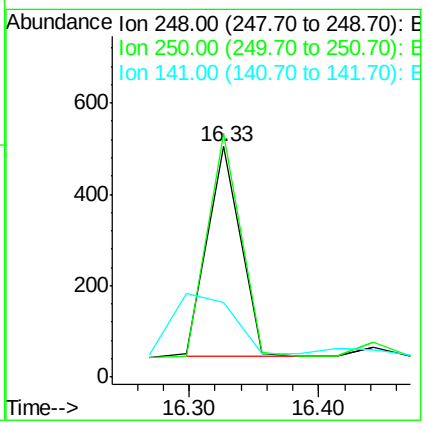


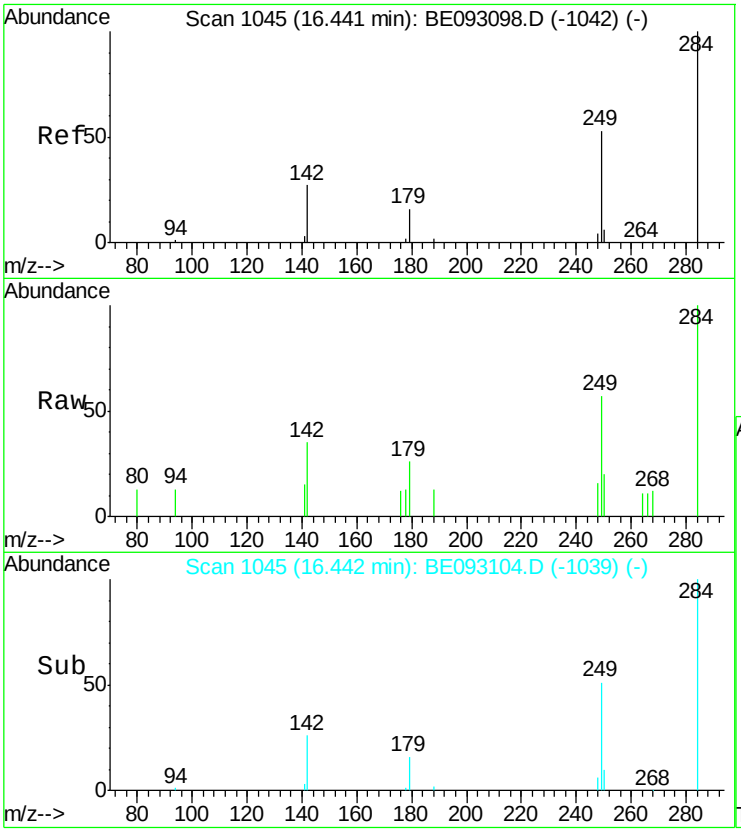


#20
4-Bromophenyl-phenylether
Concen: 0.356 ng
RT: 16.33 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:248 Resp: 806

Ion	Ratio	Lower	Upper
248	100		
250	105.5	100.0	150.0
141	32.3	40.0	60.0#



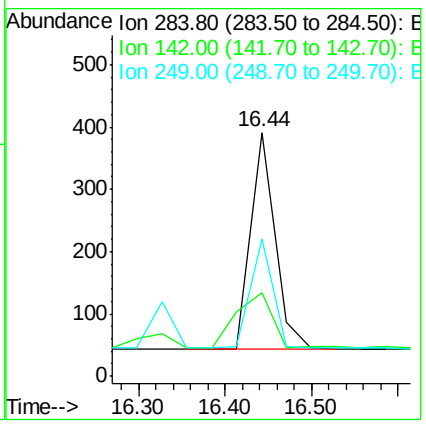


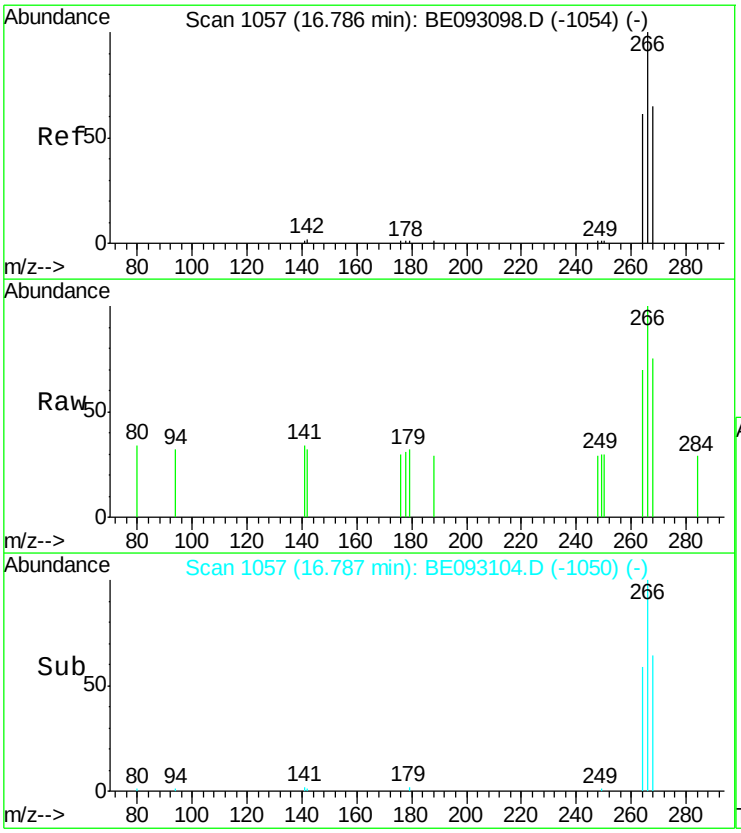
#21
Hexachlorobenzene
Concen: 0.337 ng
RT: 16.44 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 673

Ion	Ratio	Lower	Upper
284	100		
142	37.7	0.0	0.0#
249	46.2	0.0	0.0#

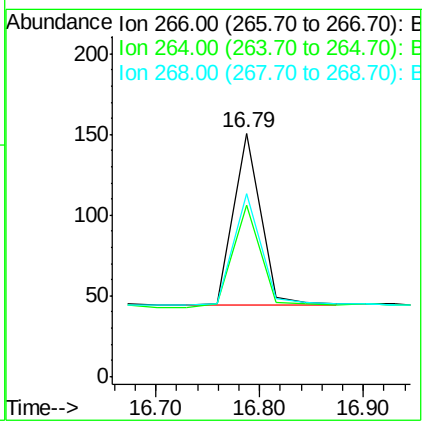


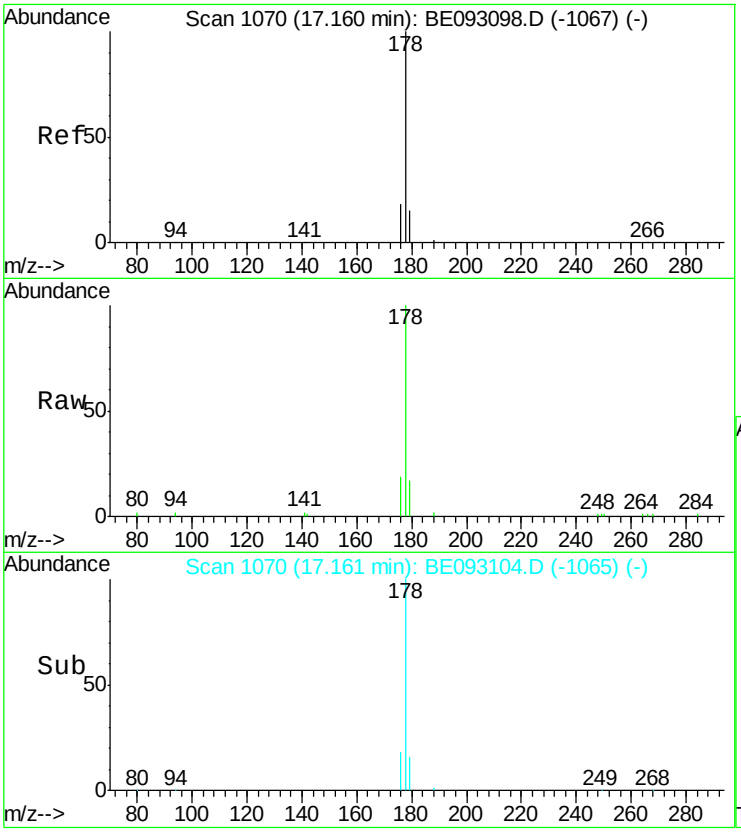


#22
Pentachlorophenol
Concen: 0.311 ng
RT: 16.79 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:266 Resp: 200

Ion	Ratio	Lower	Upper
266	100		
264	70.2	58.2	87.2
268	74.8	71.9	107.9



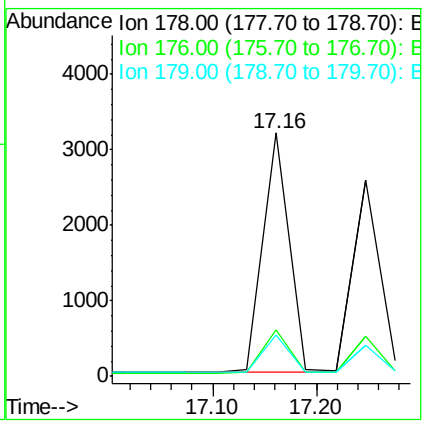


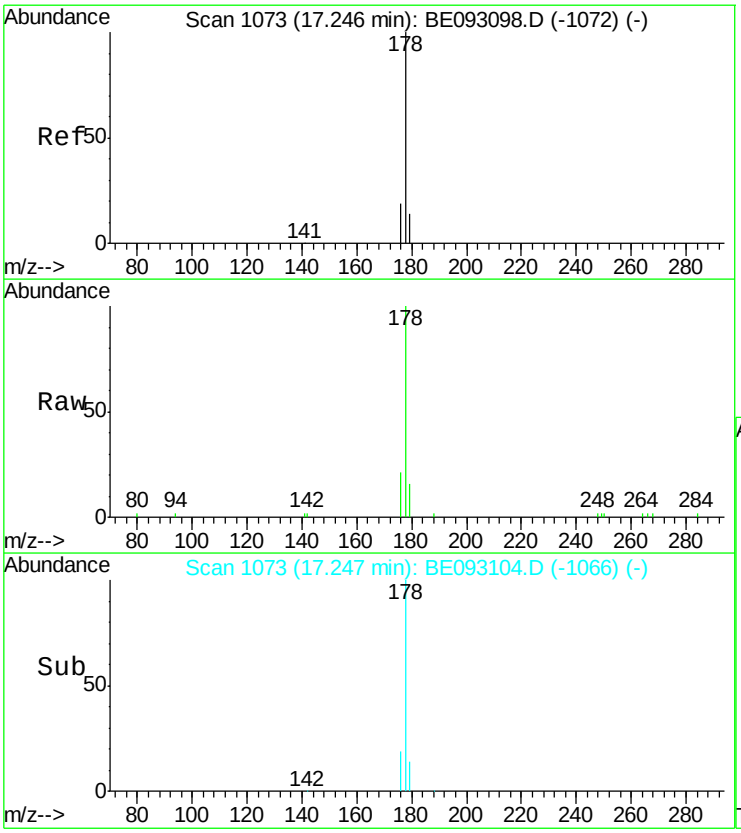
#23
Phenanthrene
Concen: 0.338 ng
RT: 17.16 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 5679

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.8	12.7	19.1

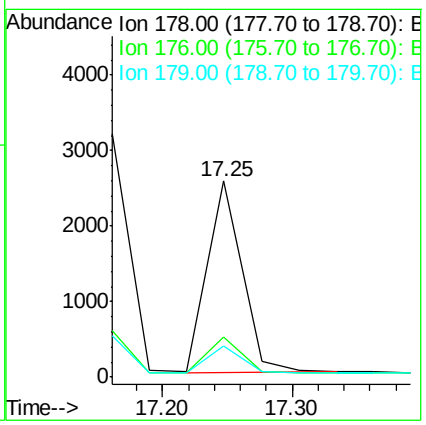


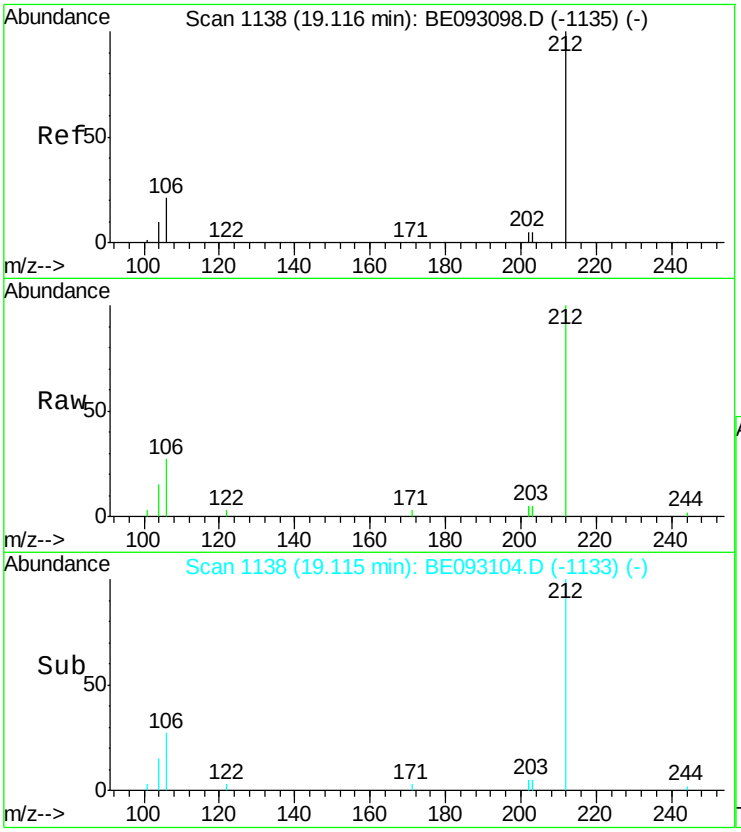


#24
Anthracene
Concen: 0.329 ng
RT: 17.25 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:178 Resp: 4683

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	22.0
179	14.4	12.0	18.0



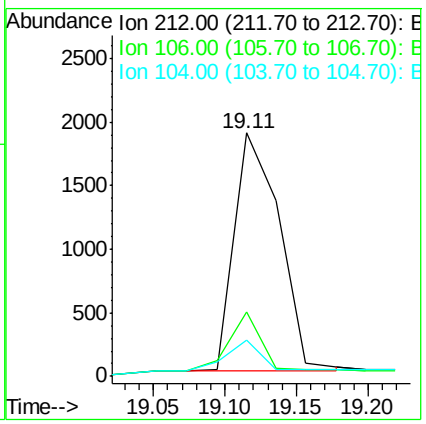


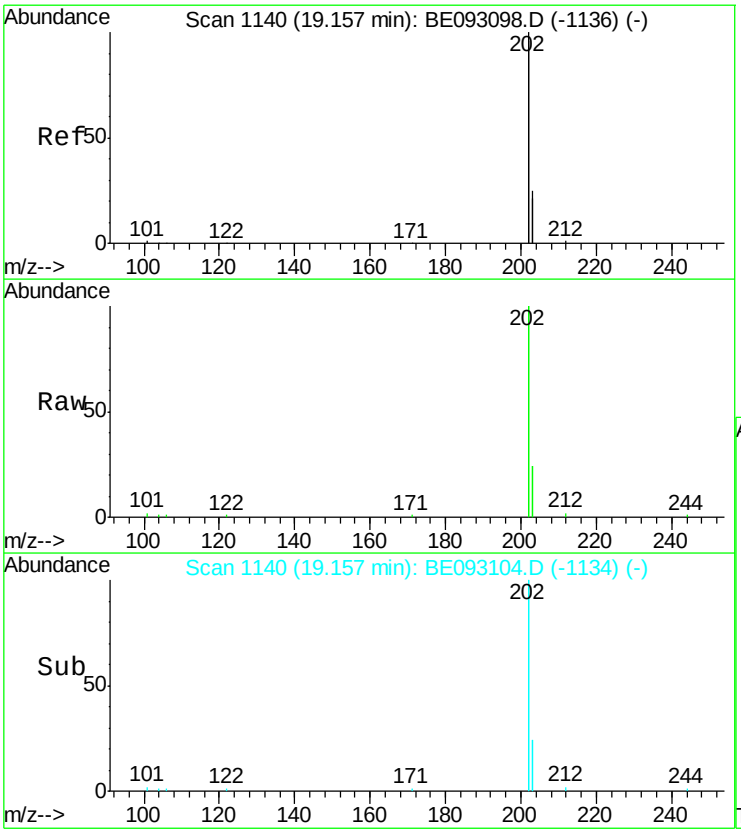
#25
Fluoranthene-d10
Concen: 0.337 ng
RT: 19.11 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 4132

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	0.0#
104	9.4	0.0	0.0#

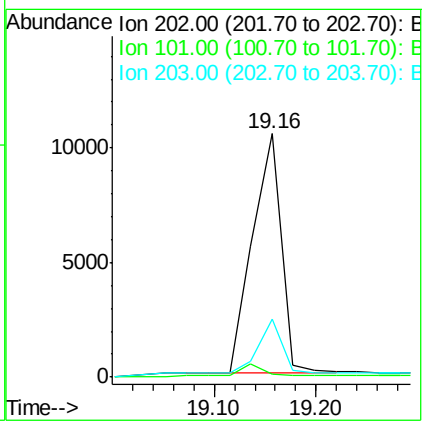


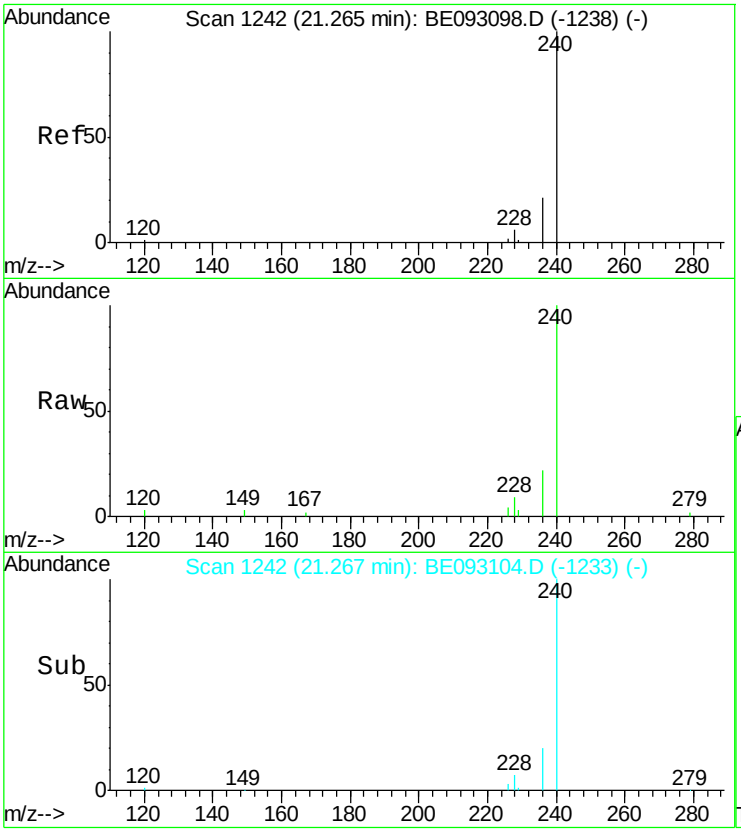


#26
Fluoranthene
Concen: 0.339 ng
RT: 19.16 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:202 Resp: 20693

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.3	14.4	21.6



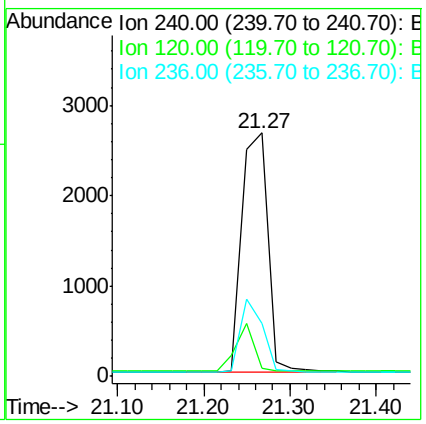


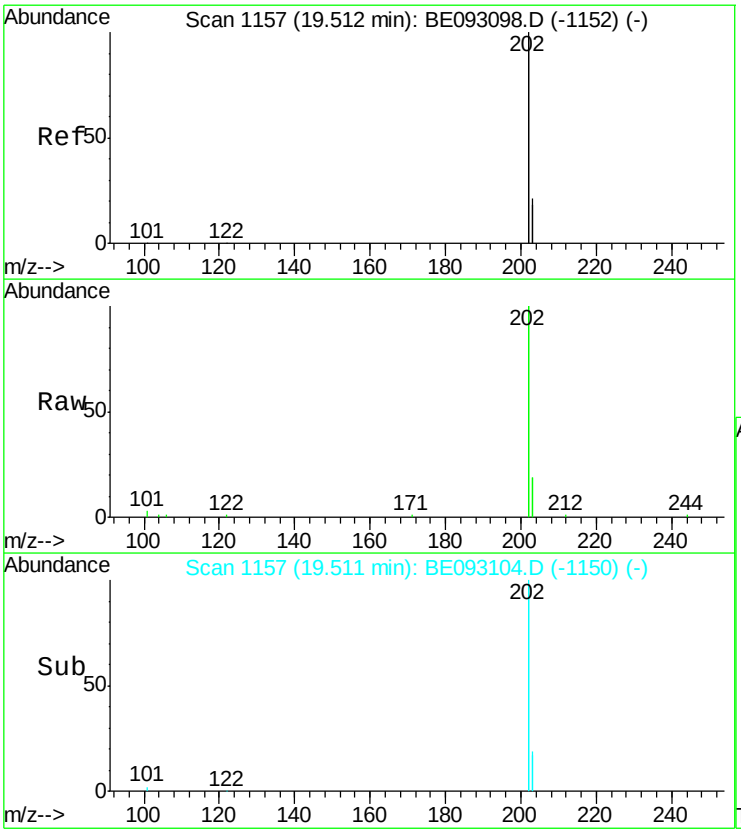
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 5569

Ion	Ratio	Lower	Upper
240	100		
120	3.2	4.6	7.0#
236	21.8	20.8	31.2

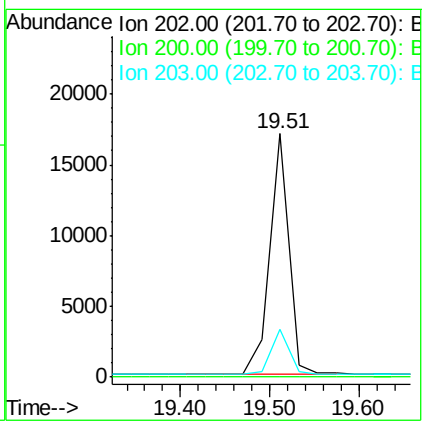


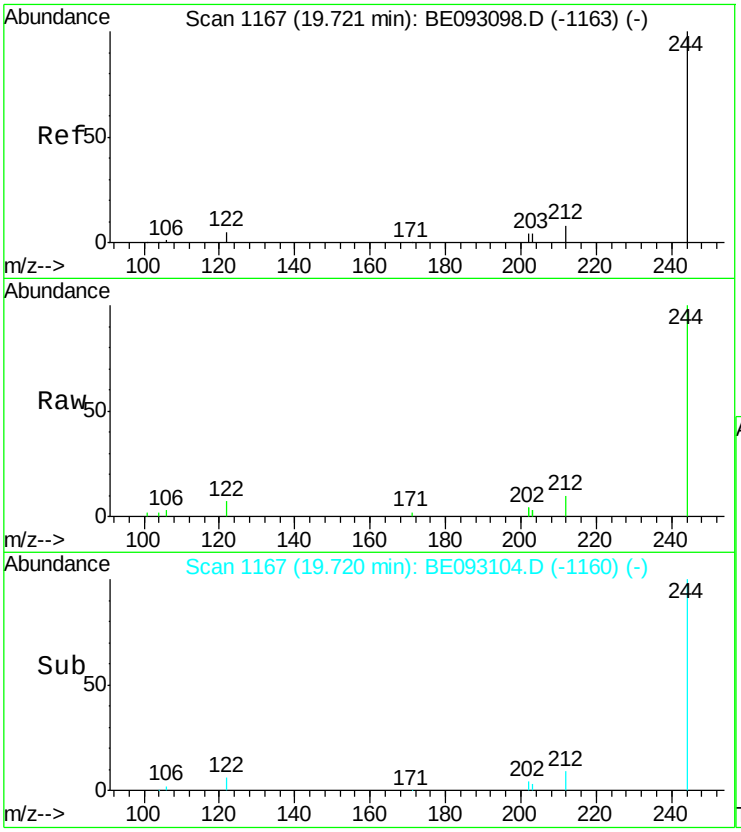


#28
Pyrene
Concen: 0.376 ng
RT: 19.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:202 Resp: 25463

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	17.9	13.7	20.5



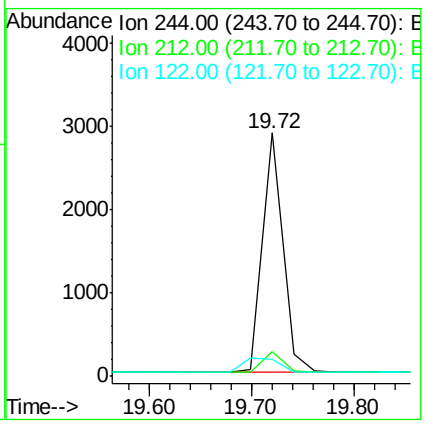


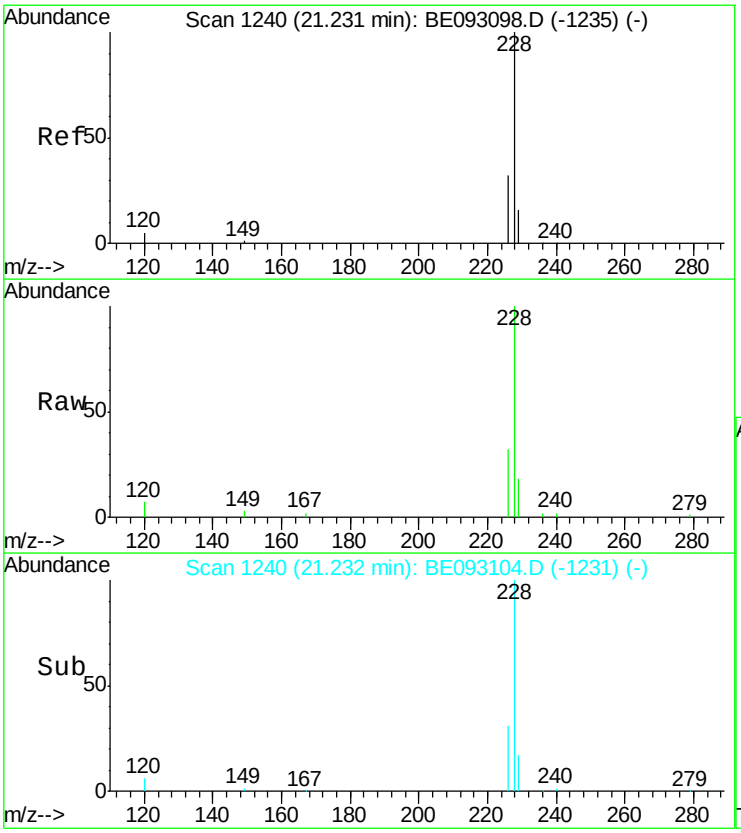
#29
Terphenyl-d14
Concen: 0.369 ng
RT: 19.72 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 3961

Ion	Ratio	Lower	Upper
244	100		
212	10.3	10.6	16.0#
122	7.2	15.4	23.0#

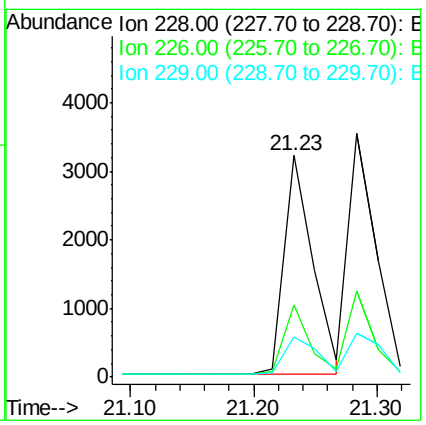


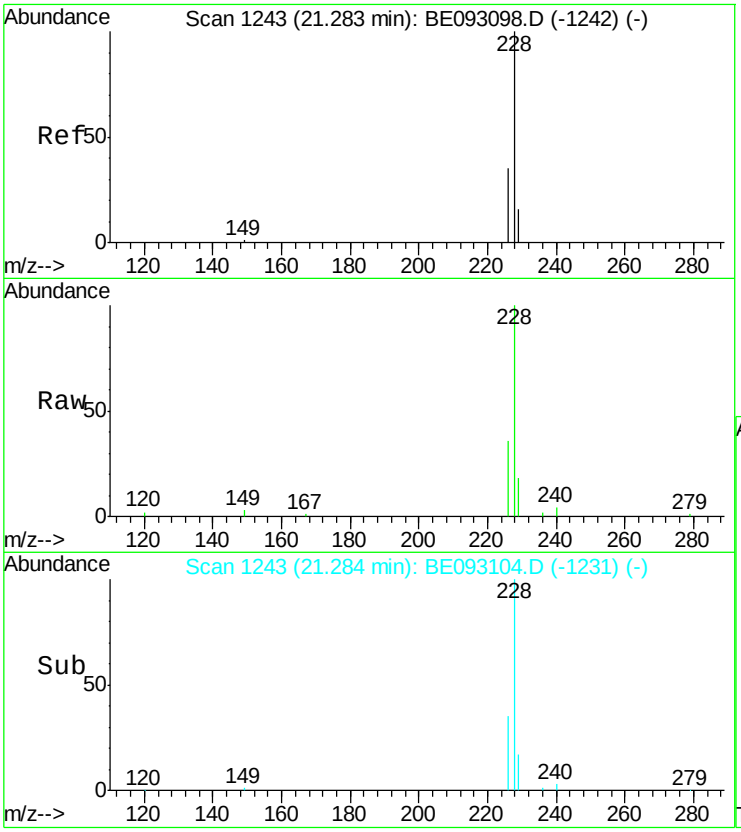


#30
Benzo(a)anthracene
Concen: 0.343 ng
RT: 21.23 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:228 Resp: 5159

Ion	Ratio	Lower	Upper
228	100		
226	32.4	19.7	29.5#
229	17.9	19.2	28.8#



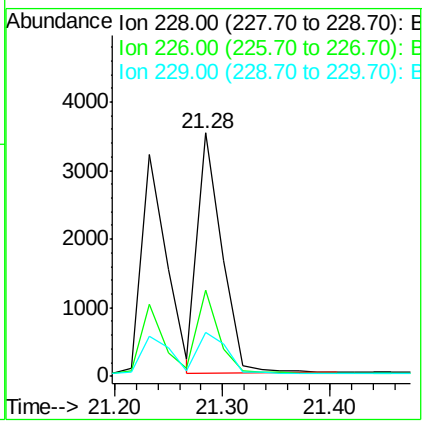


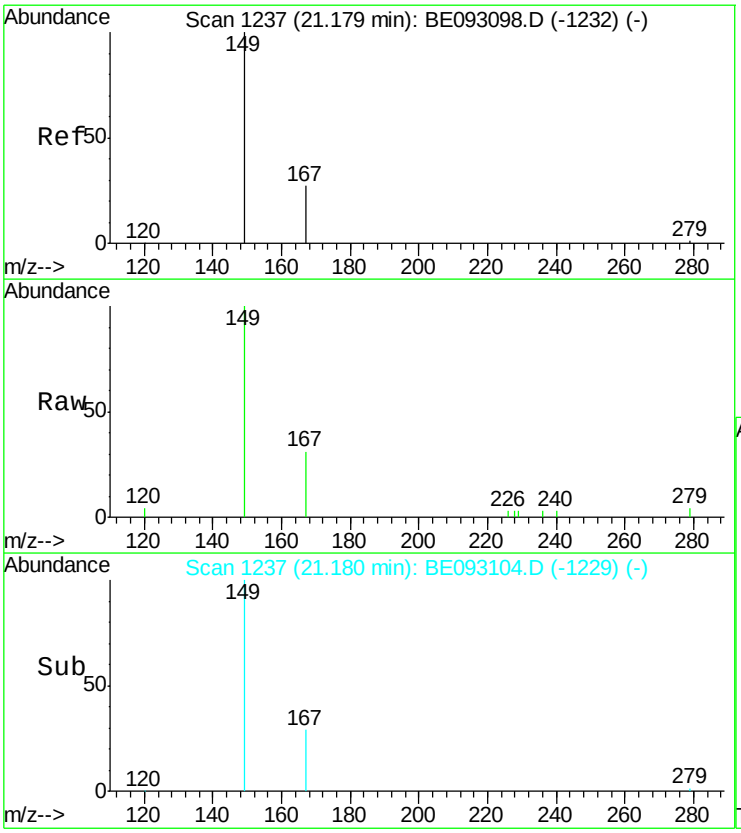
#31
Chrysene
Concen: 0.344 ng
RT: 21.28 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 5527

Ion	Ratio	Lower	Upper
228	100		
226	35.6	21.5	32.3#
229	18.0	18.6	28.0#

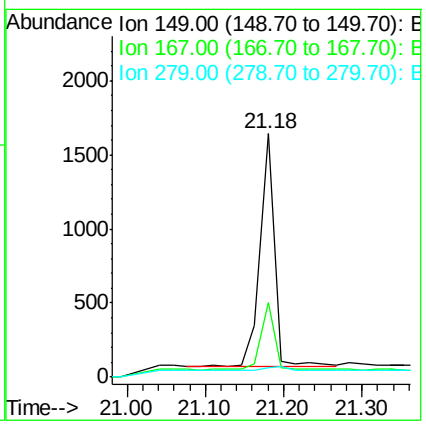


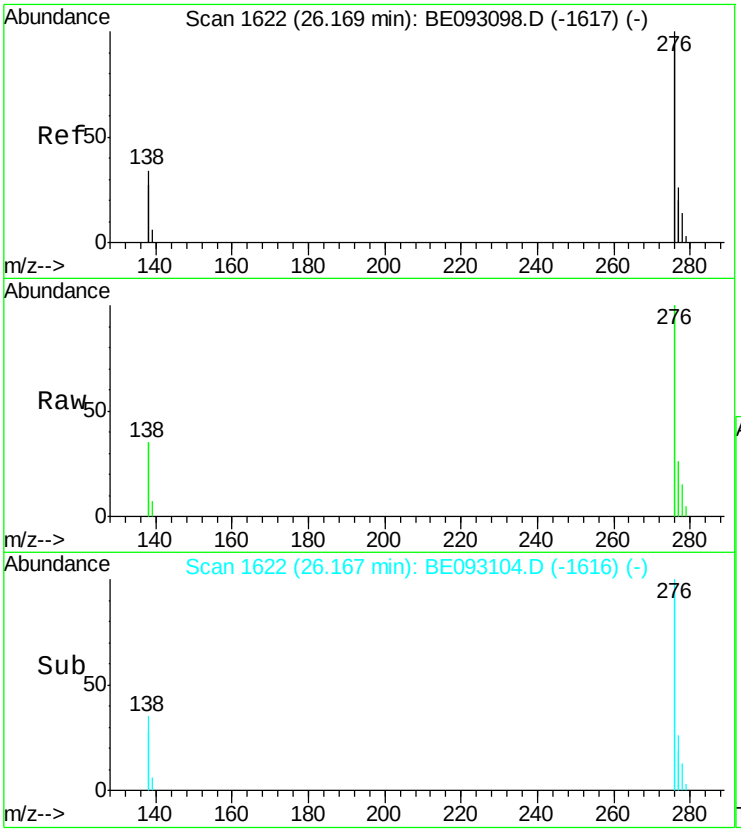


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.325 ng
RT: 21.18 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:149 Resp: 2015

Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.1	30.1
279	2.4	2.2	3.4



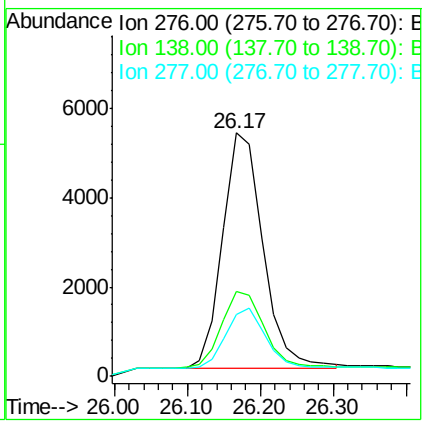


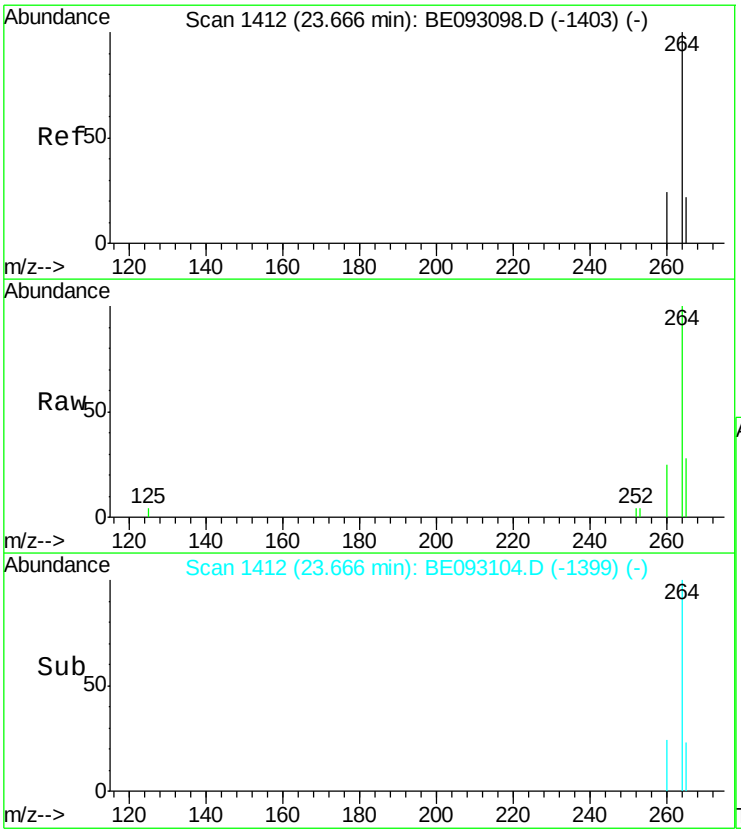
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 26.17 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 20117

Ion	Ratio	Lower	Upper
276	100		
138	33.9	27.4	41.2
277	25.4	20.1	30.1

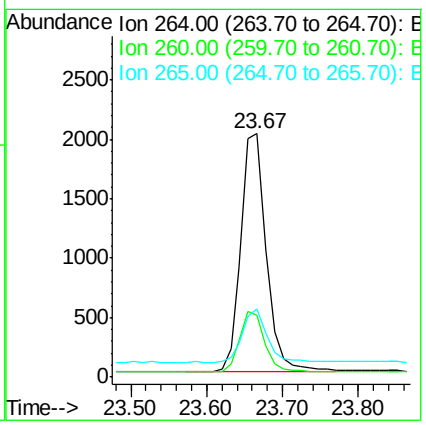


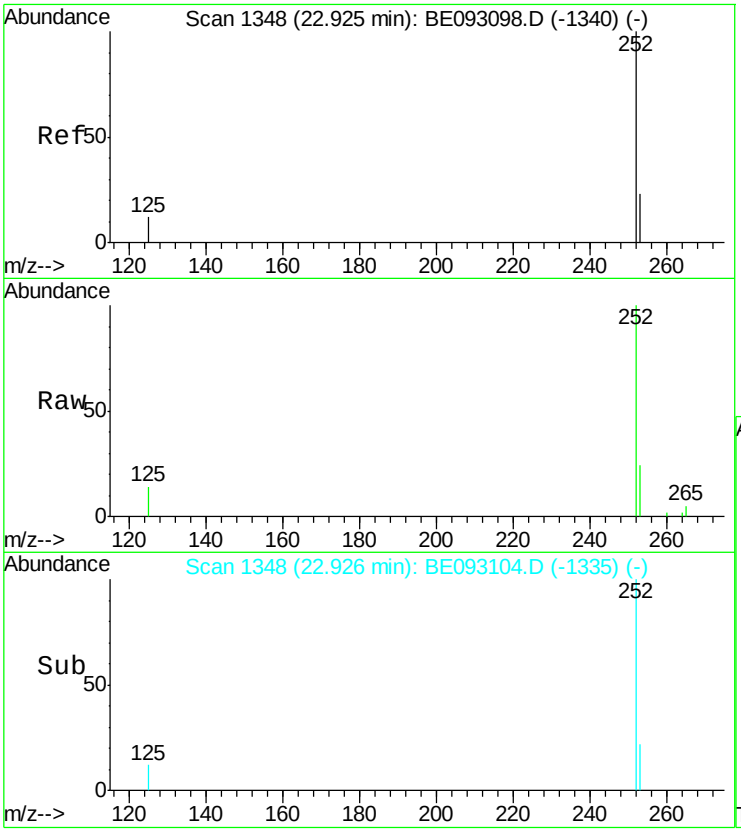


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:264 Resp: 4664

Ion	Ratio	Lower	Upper
264	100		
260	25.2	21.0	31.4
265	28.2	24.6	36.8



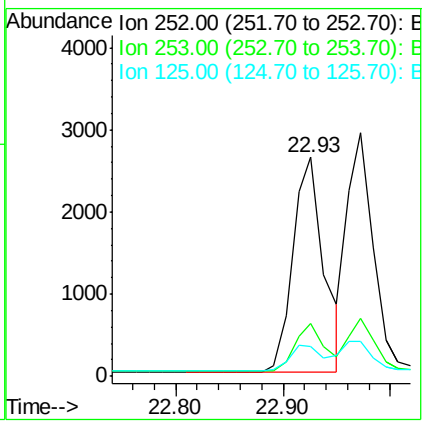


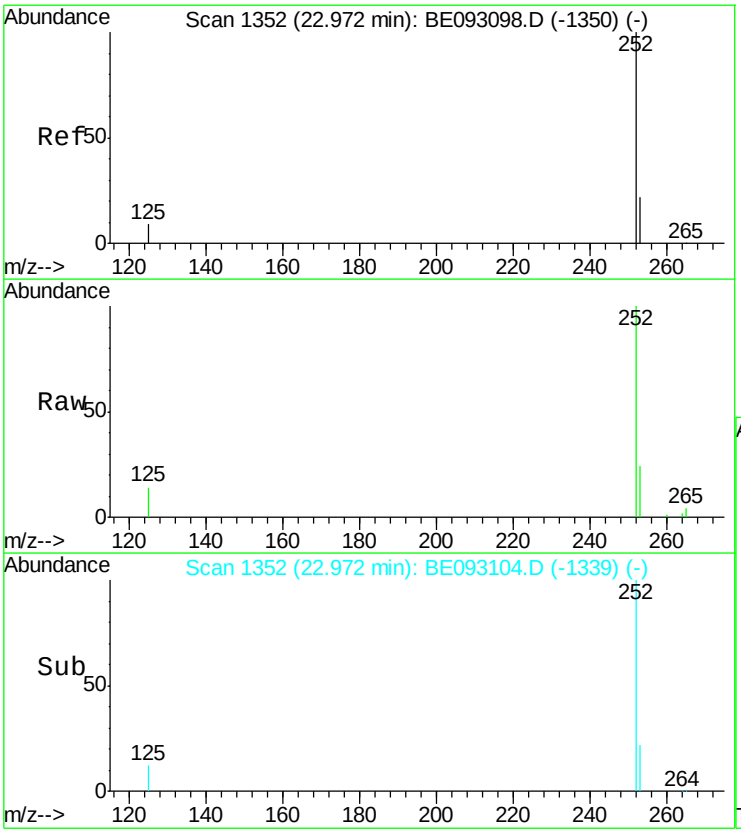
#35
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 22.93 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 5262

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	13.8	13.4	20.0

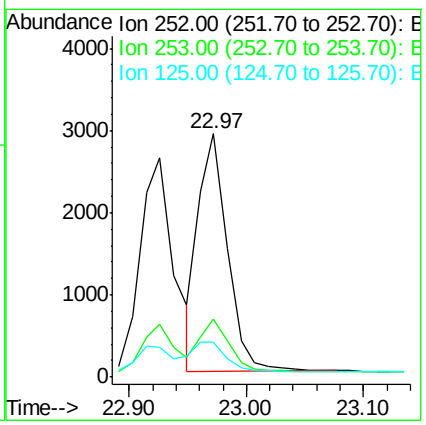


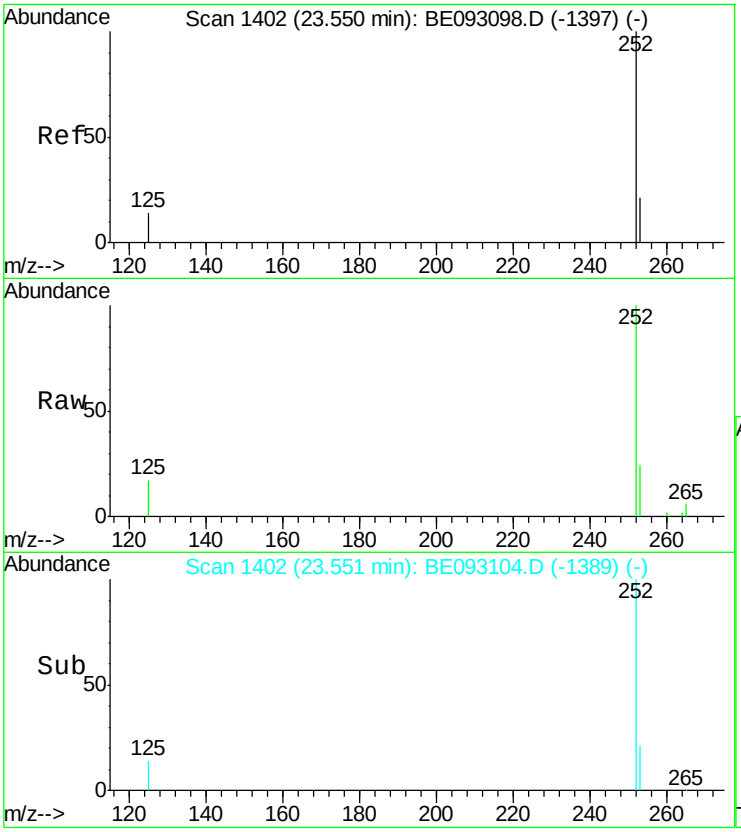


#36
Benzo(k)fluoranthene
Concen: 0.345 ng
RT: 22.97 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:252 Resp: 4993

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.3	30.5
125	14.1	12.2	18.4



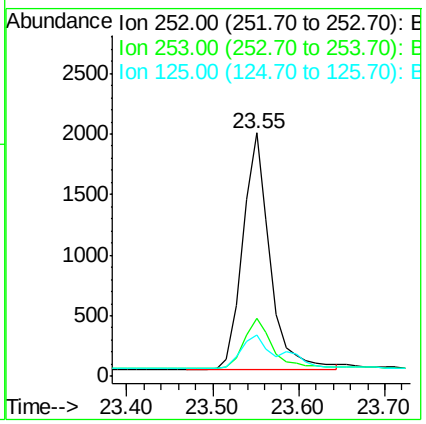


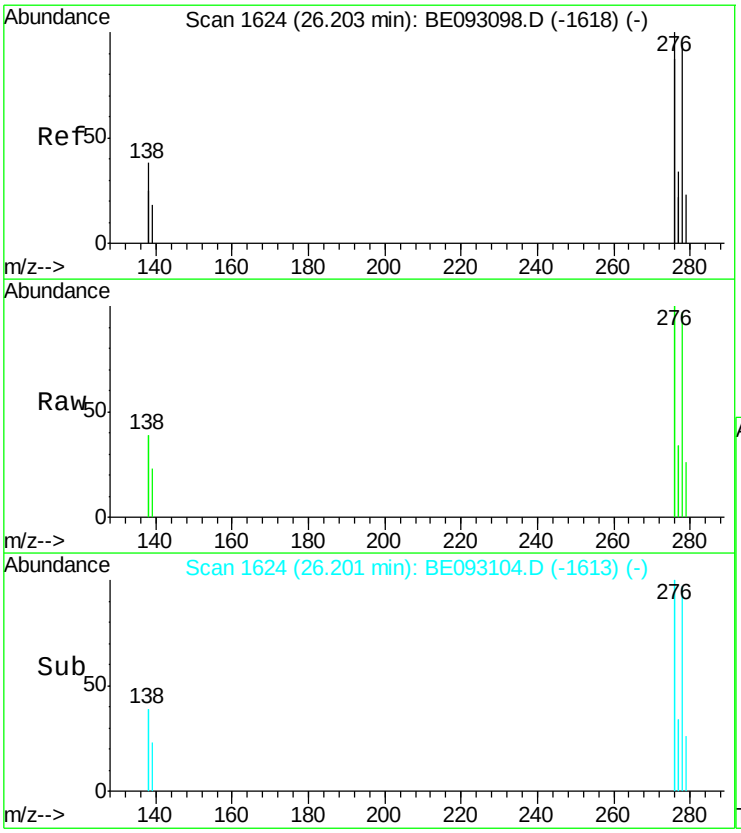
#37
Benzo(a)pyrene
Concen: 0.330 ng
RT: 23.55 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 4281

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.9	29.9
125	16.8	14.6	21.8

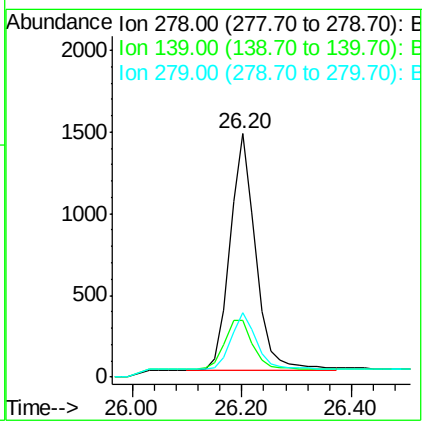


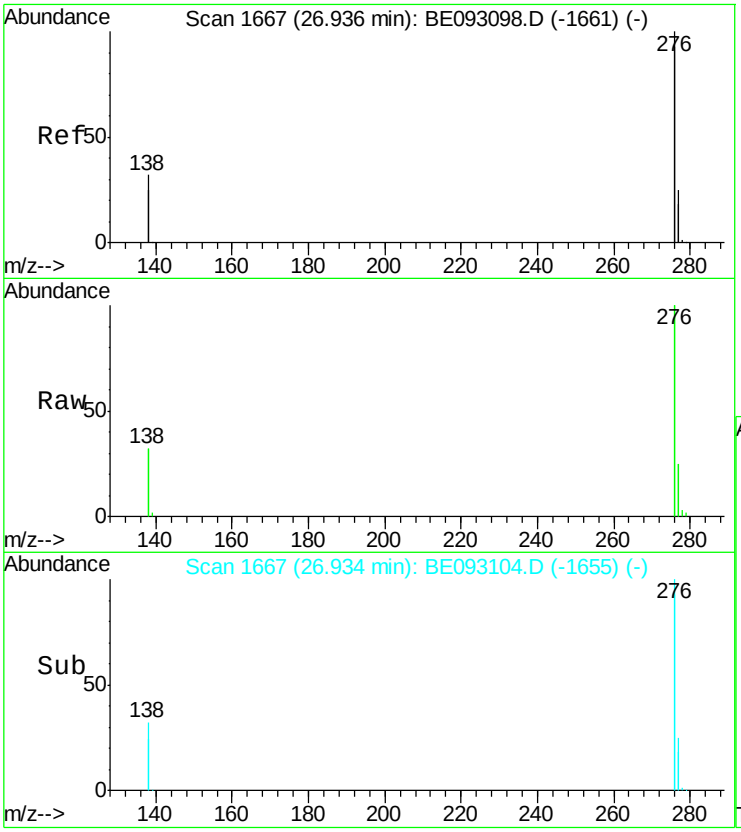


#38
Dibenzo(a,h)anthracene
Concen: 0.345 ng
RT: 26.20 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Tgt Ion:278 Resp: 4655

Ion	Ratio	Lower	Upper
278	100		
139	23.2	21.4	32.0
279	26.4	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.341 ng
RT: 26.93 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BE093104.D
Acq: 12 Jun 2017 16:00

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18625

Ion	Ratio	Lower	Upper
276	100		
277	25.3	21.2	31.8
138	32.0	24.5	36.7