Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
Data File : BE093033.D
Acq On : 15 May 2017 14:23
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: May 16 01:10:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	912	0.40	ng		0.00
7) Naphthalene-d8	10.52	136	3967	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1952	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	5096	0.40	ng		0.00
27) Chrysene-d12	21.28	240	5347	0.40	ng		0.00
34) Perylene-d12	23.69	264	4366	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	984	0.35	ng		0.00
5) Phenol-d6	6.92	99	1350	0.36	ng		0.00
8) Nitrobenzene-d5	8.88	82	1191	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	2070	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	186	0.32	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	2842	0.35	ng		0.00
25) Fluoranthene-d10	19.14	212	4505	0.34	ng		0.00
29) Terphenyl-d14	19.74	244	3563	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	633	0.35	ng		98
3) n-Nitrosodimethylamine	3.61	42	592	0.36	ng		100
6) bis(2-Chloroethyl)ether	7.18	93	1115	0.36	ng	#	99
9) Naphthalene	10.58	128	3707	0.35	ng		99
10) Hexachlorobutadiene	10.87	225	490	0.36	ng		98
12) 2-Methylnaphthalene	12.19	142	2288	0.35	ng		99
16) Acenaphthylene	14.10	152	11412	0.33	ng		100
17) Acenaphthene	14.44	154	2171	0.35	ng		98
18) Fluorene	15.43	166	2617	0.35	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	530	0.33	ng	#	1
21) Hexachlorobenzene	16.47	284	785	0.33	ng	#	100
22) Pentachlorophenol	16.82	266	268	0.44	ng		93
23) Phenanthrene	17.19	178	3627	0.33	ng	#	77
24) Anthracene	17.28	178	3529	0.32	ng		97
26) Fluoranthene	19.16	202	20958	0.33	ng	#	59
28) Pyrene	19.53	202	23067	0.36	ng	#	97
30) Benzo(a)anthracene	21.25	228	5192	0.36	ng	#	84
31) Chrysene	21.30	228	5479	0.35	ng	#	84
32) Bis(2-ethylhexyl)phthalate	21.20	149	2226	0.33	ng		95
33) Indeno(1,2,3-cd)pyrene	26.22	276	19550	0.34	ng		99
35) Benzo(b)fluoranthene	22.95	252	4729	0.34	ng		98
36) Benzo(k)fluoranthene	22.99	252	4805	0.35	ng		96
37) Benzo(a)pyrene	23.58	252	4448	0.35	ng		99
38) Dibenzo(a,h)anthracene	26.25	278	4127	0.35	ng		98
39) Benzo(g,h,i)perylene	27.00	276	17722	0.35	ng		99

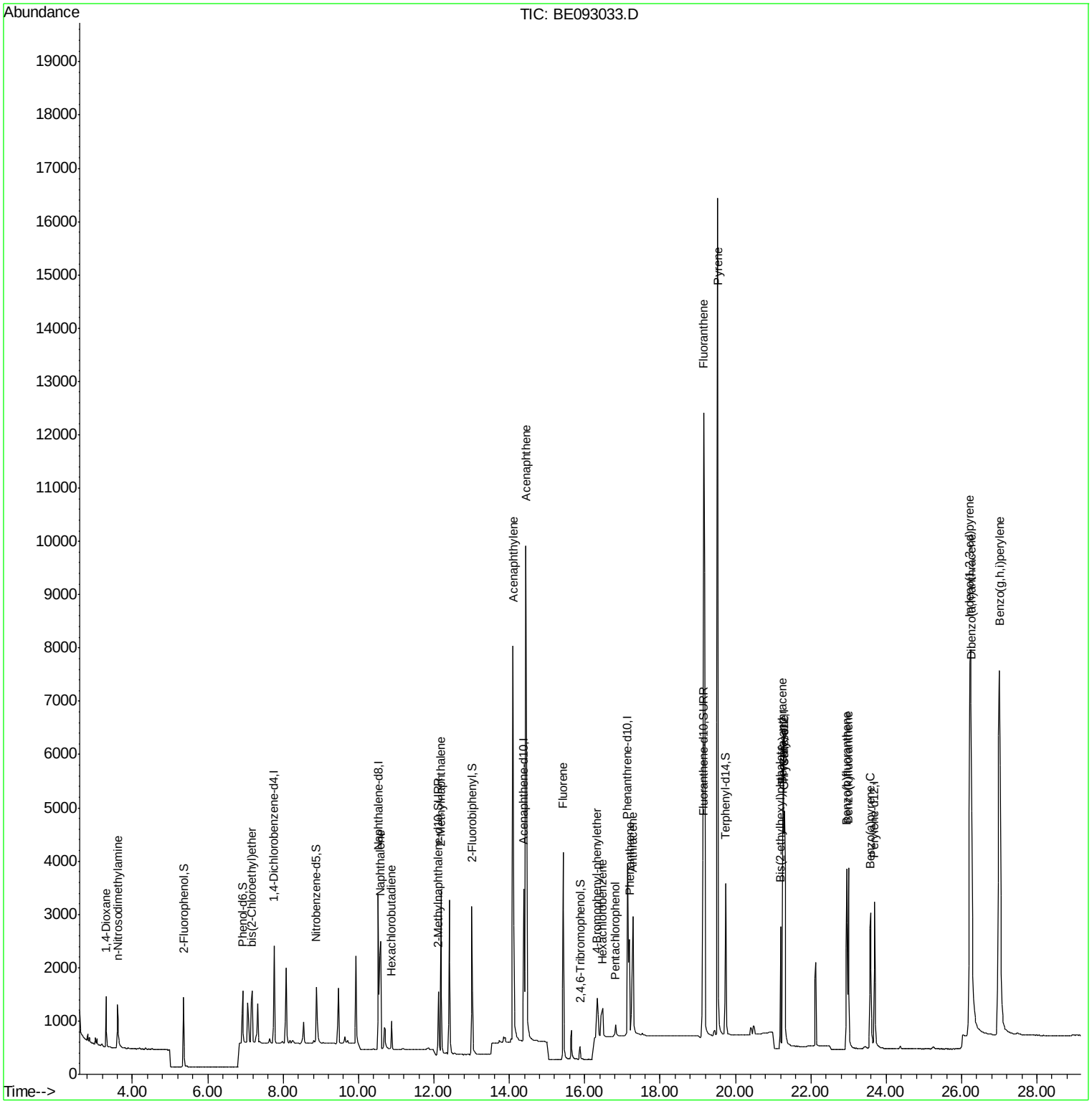
(#) = qualifier out of range (m) = manual integration (+) = signals summed

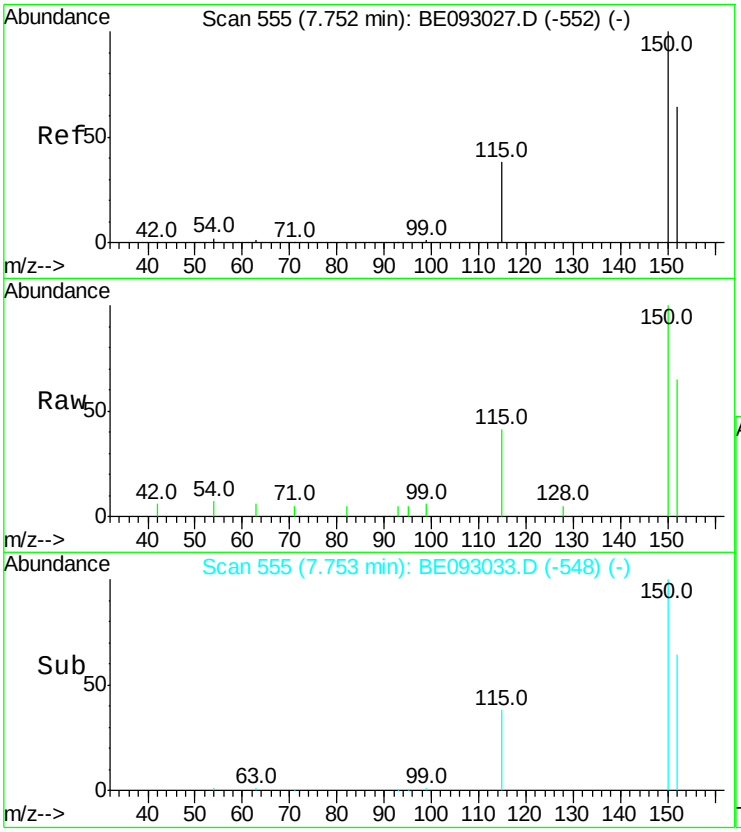
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
Data File : BE093033.D
Acq On : 15 May 2017 14:23
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: May 16 01:10:38 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration



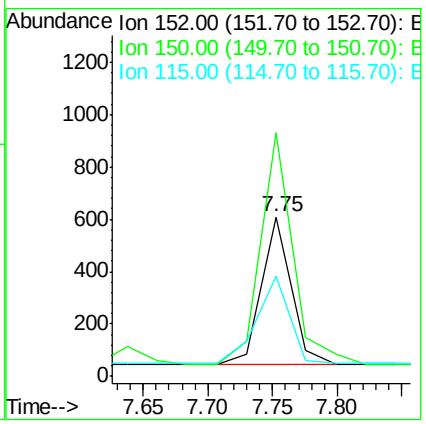


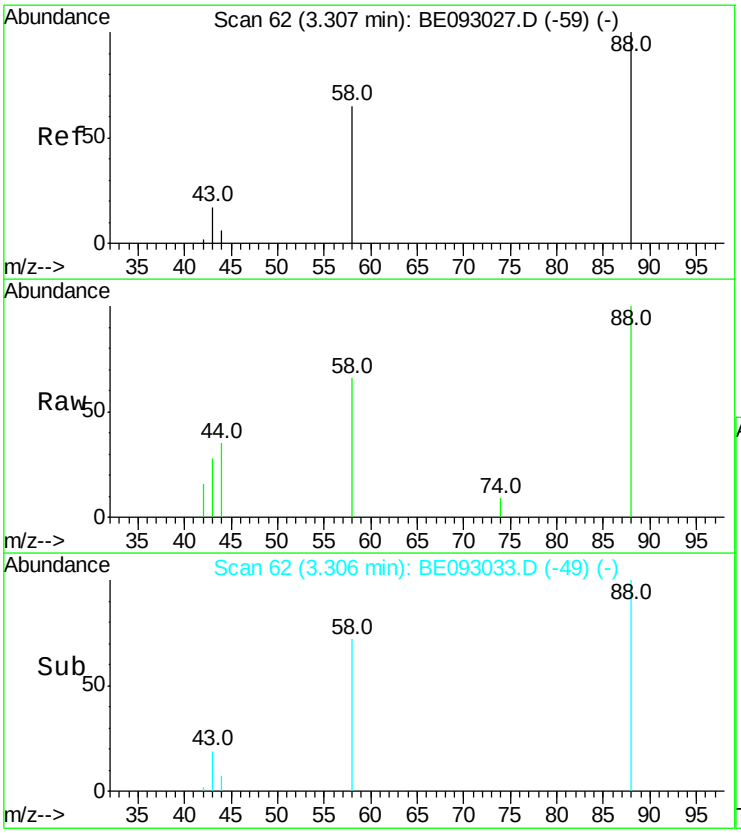
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 912

Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.1	187.7
115	63.3	55.7	83.5

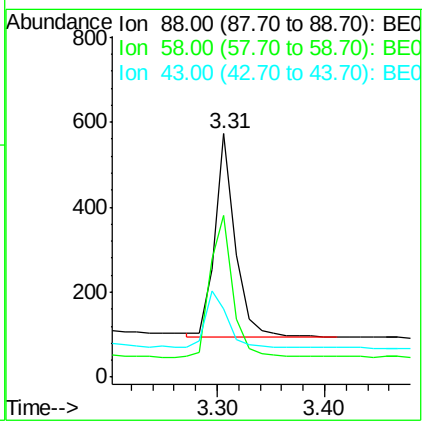


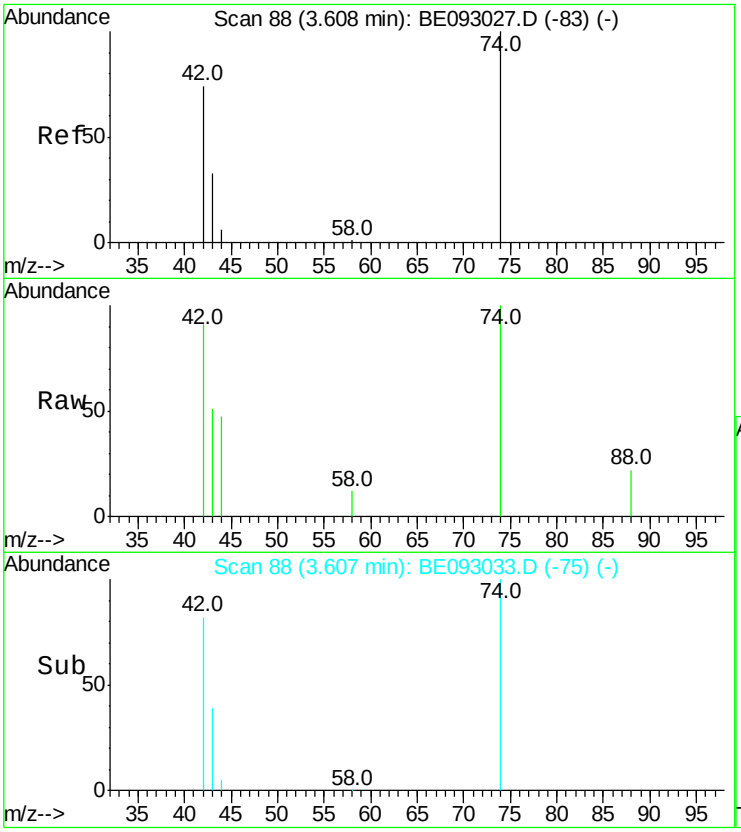


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.31 min Scan# 62
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion: 88 Resp: 633

Ion	Ratio	Lower	Upper
88	100		
58	77.1	62.2	93.4
43	31.0	23.2	34.8



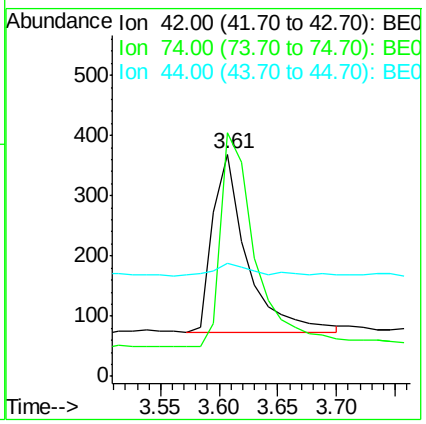


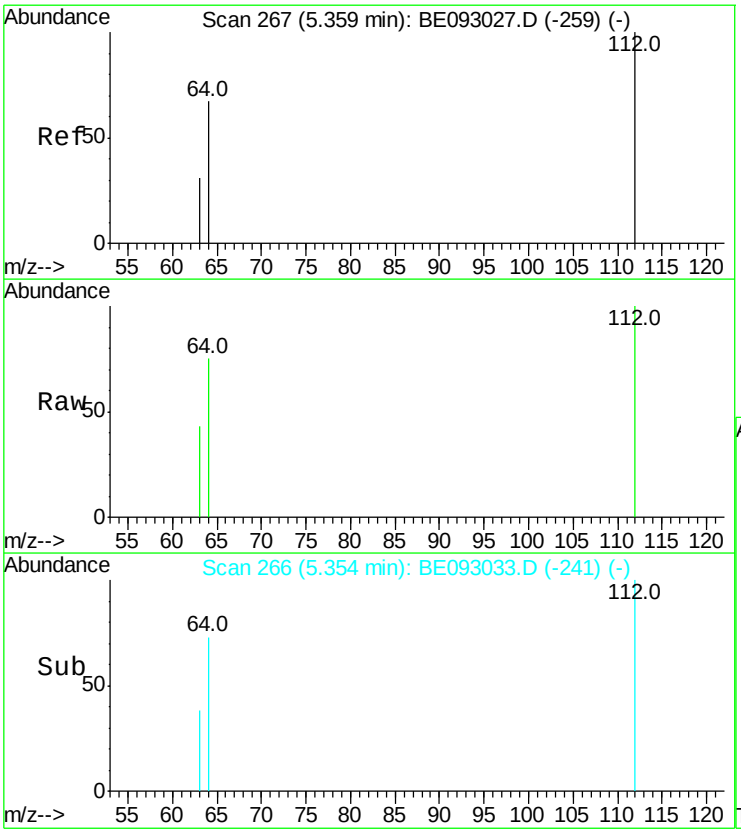
#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 592

Ion	Ratio	Lower	Upper
42	100		
74	124.2	99.1	148.7
44	7.9	7.4	11.2

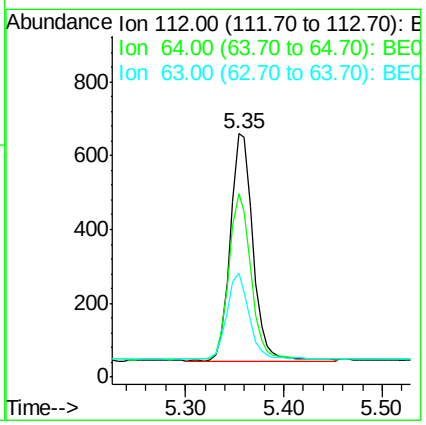


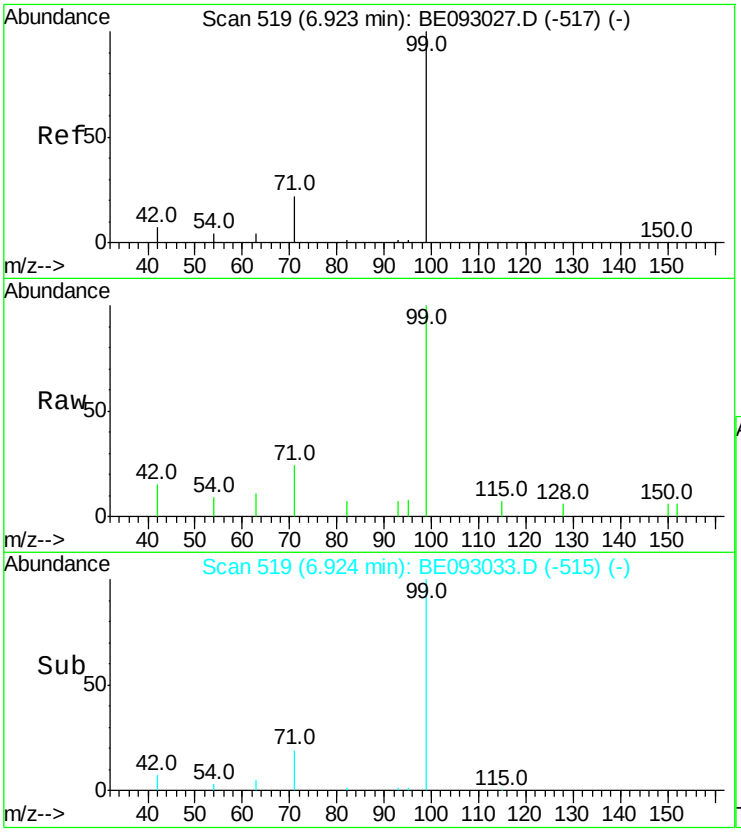


#4
2-Fluorophenol
Concen: 0.35 ng
RT: 5.35 min Scan# 266
Delta R.T. -0.01 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:112 Resp: 984

Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.4	84.6
63	36.9	29.3	43.9



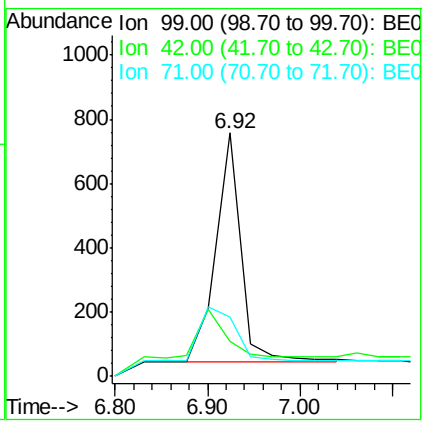


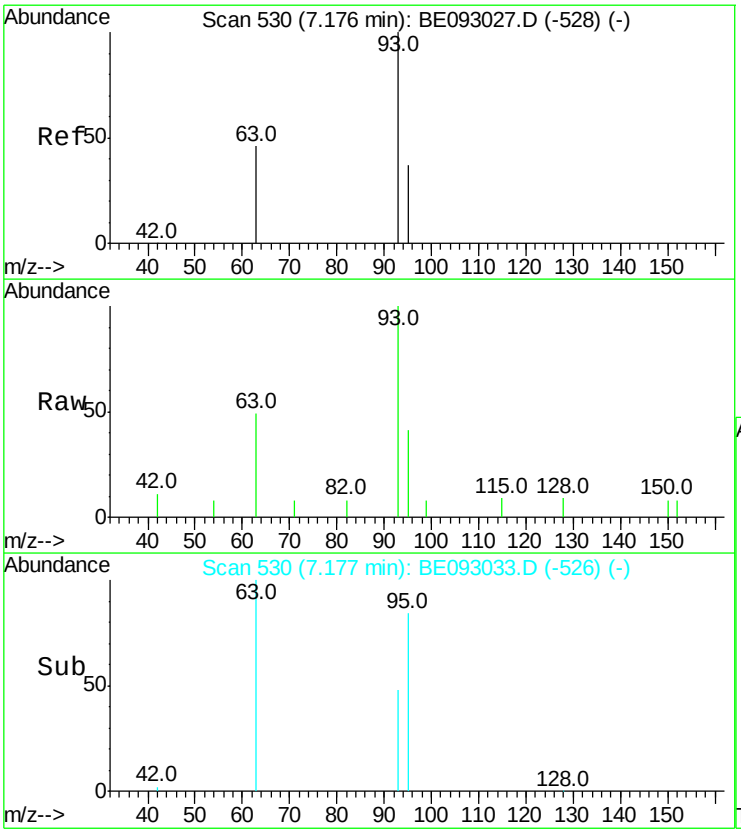
#5
Phenol-d6
Concen: 0.36 ng
RT: 6.92 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1350

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0

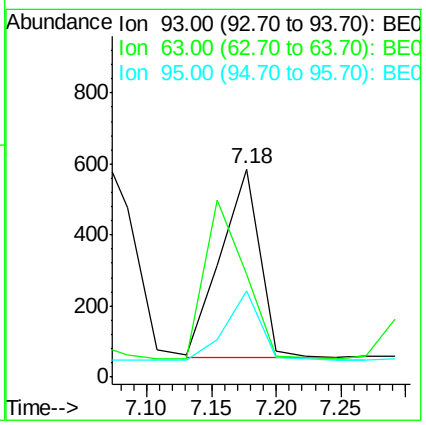


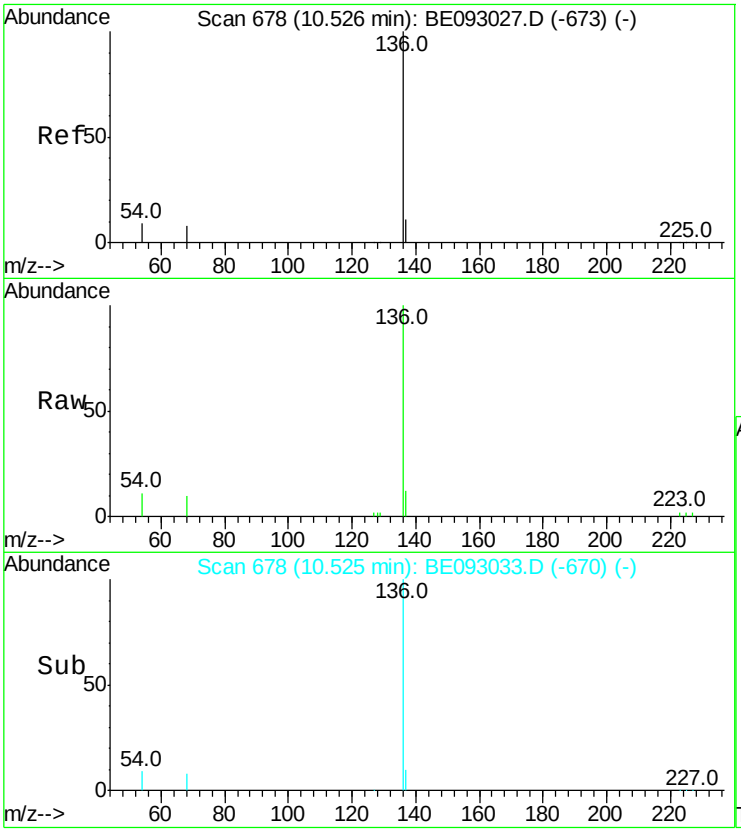


#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng
RT: 7.18 min Scan# 530
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion: 93 Resp: 1115

Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	32.1	25.4	38.0



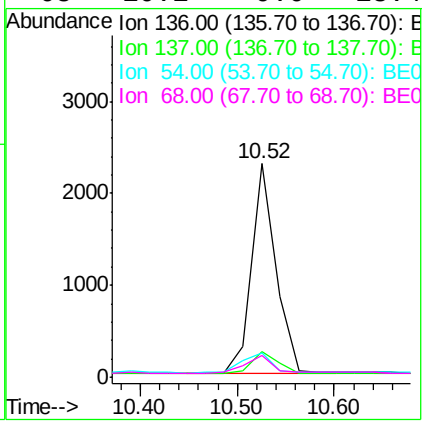


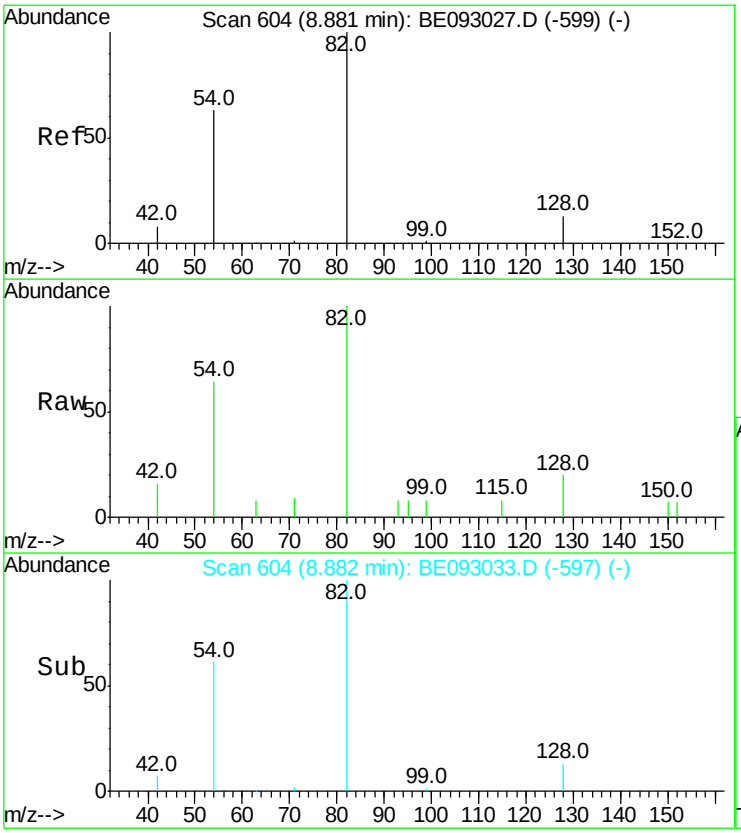
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.52 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 3967

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	11.1	10.3	15.5
68	10.1	9.0	13.4

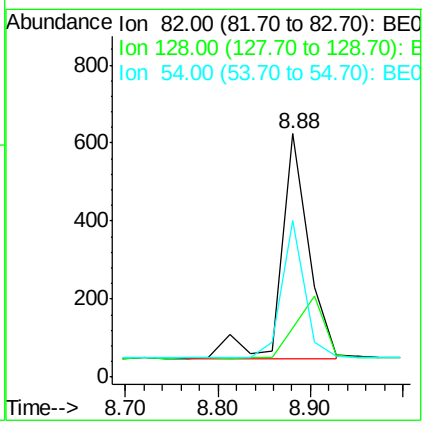


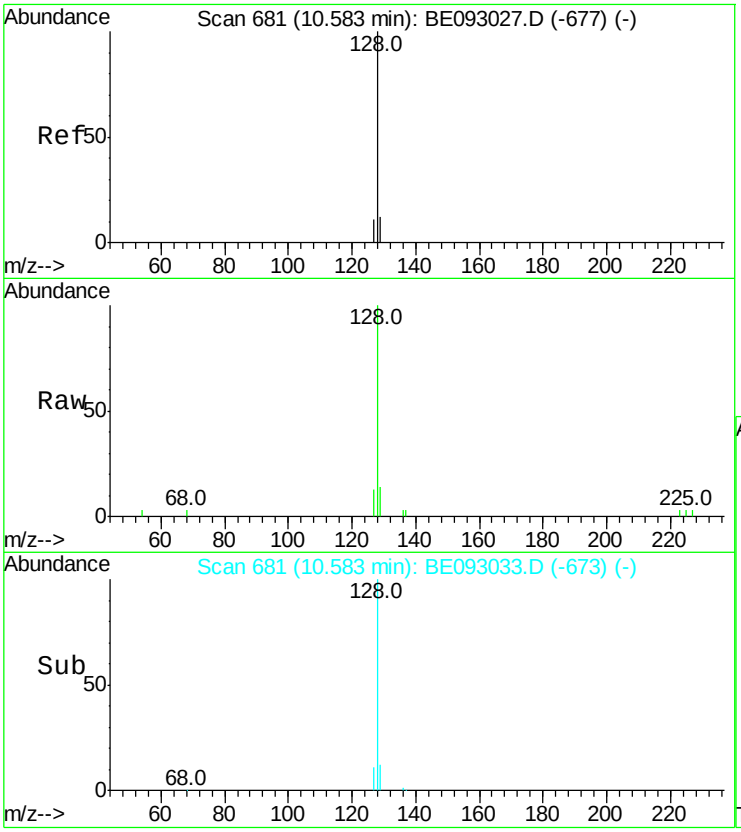


#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.88 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion: 82 Resp: 1191

Ion	Ratio	Lower	Upper
82	100		
128	20.0	17.0	25.4
54	64.4	53.8	80.6



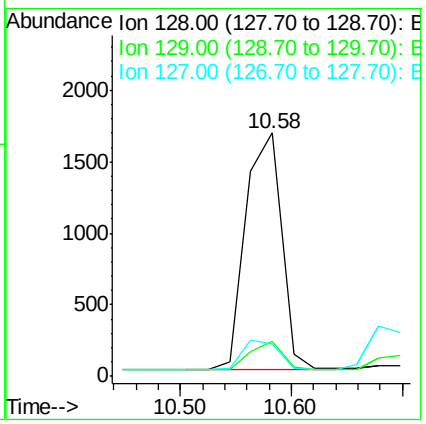


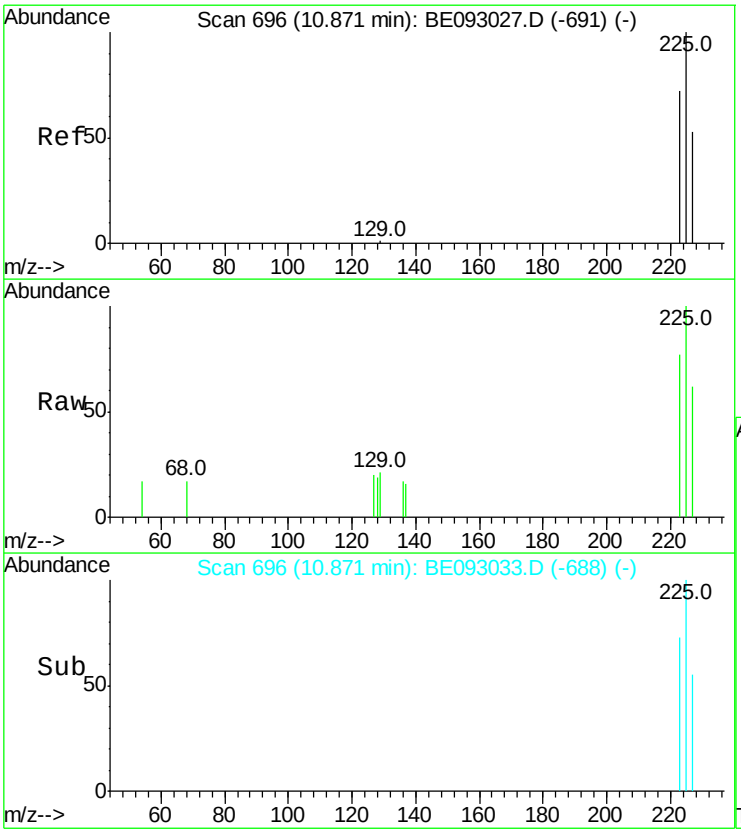
#9
Naphthalene
Concen: 0.35 ng
RT: 10.58 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 3707

Ion	Ratio	Lower	Upper
128	100		
129	14.2	11.4	17.0
127	13.4	11.2	16.8

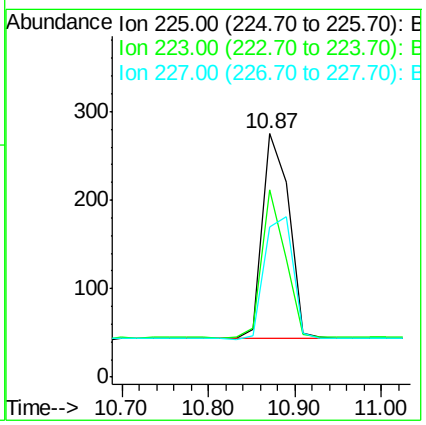


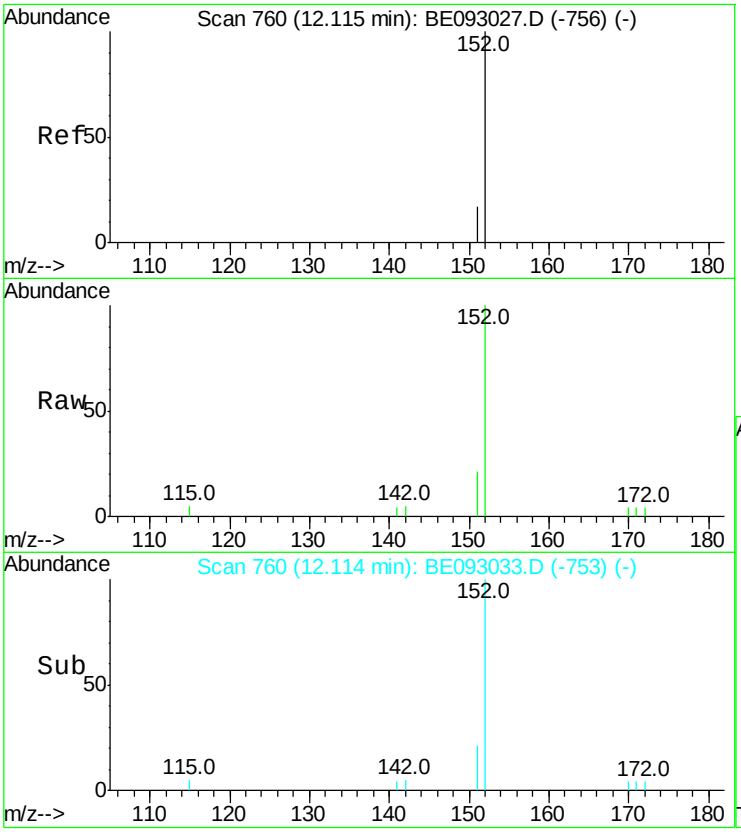


#10
Hexachlorobutadiene
Concen: 0.36 ng
RT: 10.87 min Scan# 696
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:225 Resp: 490

Ion	Ratio	Lower	Upper
225	100		
223	64.5	49.7	74.5
227	63.9	50.3	75.5



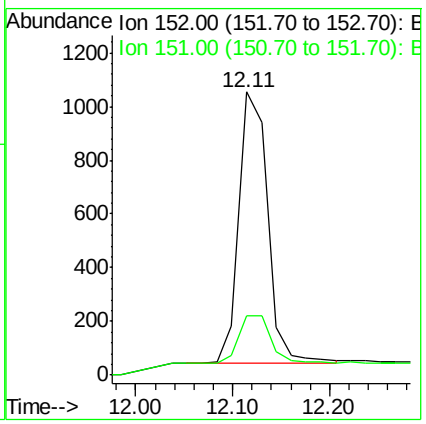


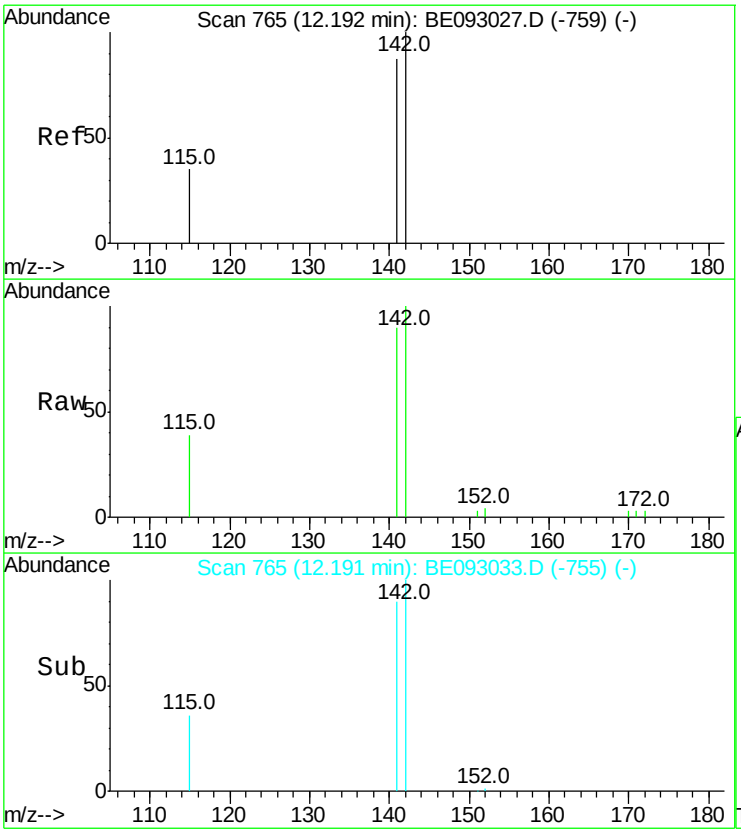
#11
2-Methylnaphthalene-d10
Concen: 0.36 ng
RT: 12.11 min Scan# 760
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2070

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.1	22.7

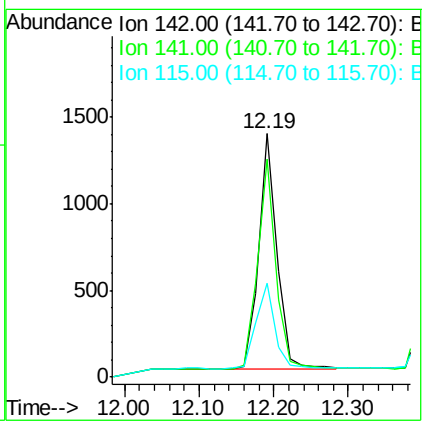


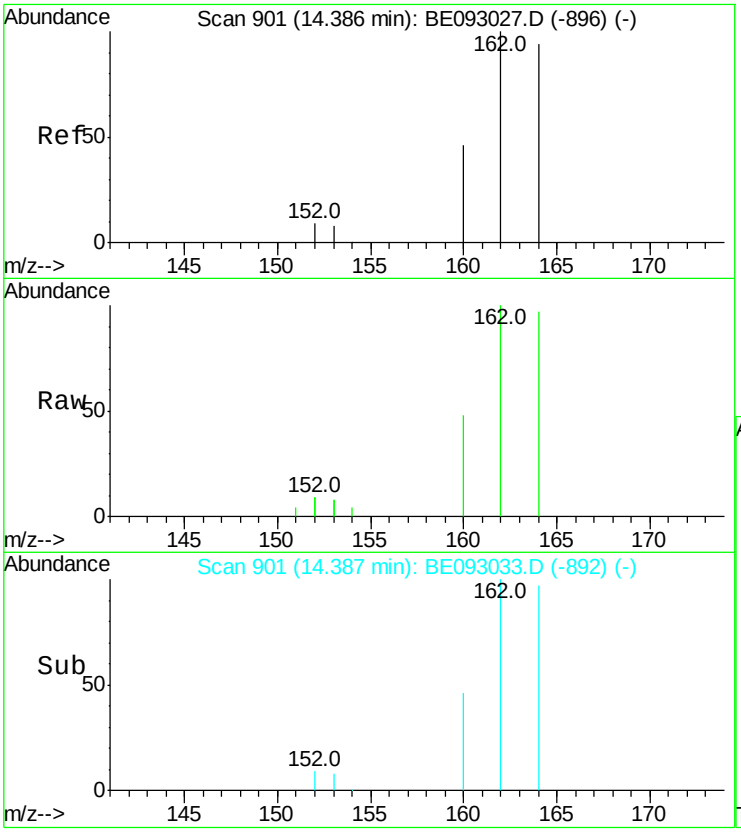


#12
2-Methylnaphthalene
Concen: 0.35 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:142 Resp: 2288

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.6	108.8
115	38.7	32.2	48.2



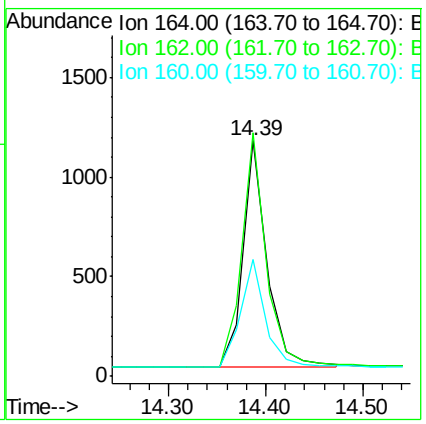


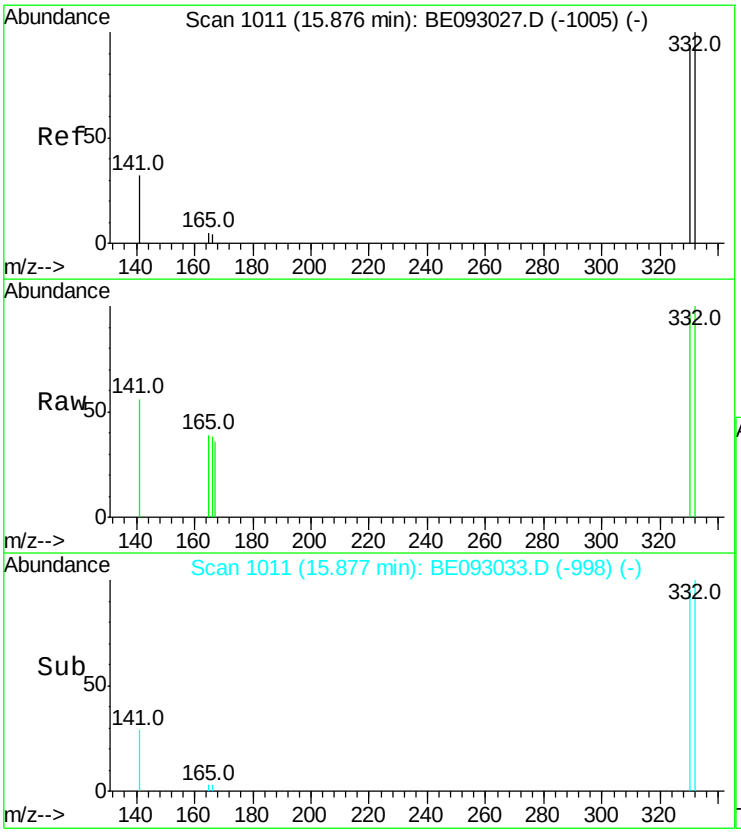
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1952

Ion	Ratio	Lower	Upper
164	100		
162	103.3	84.6	127.0
160	49.5	41.8	62.6

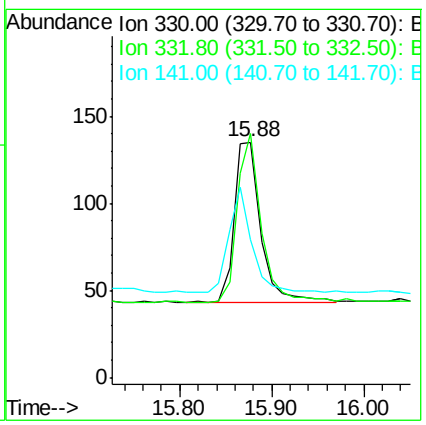


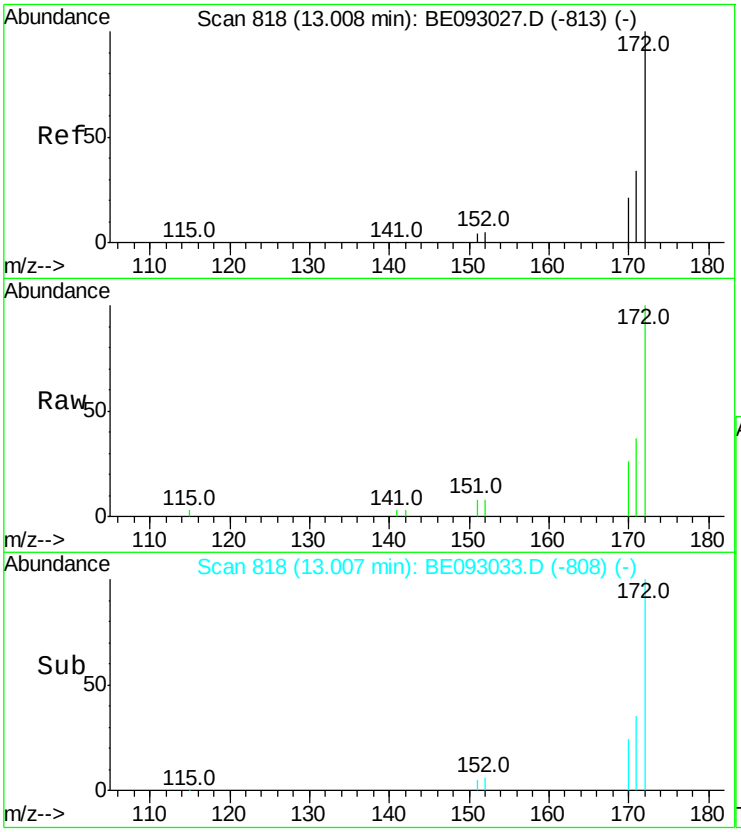


#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:330 Resp: 186

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.7	116.5
141	55.9	56.2	84.4#



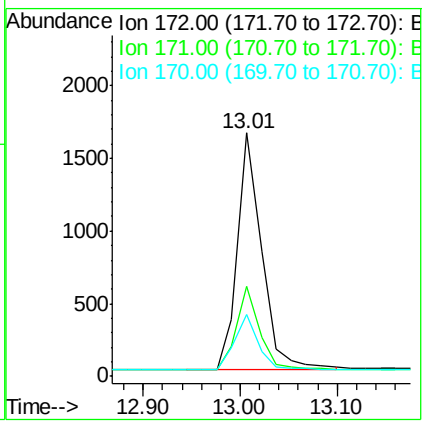


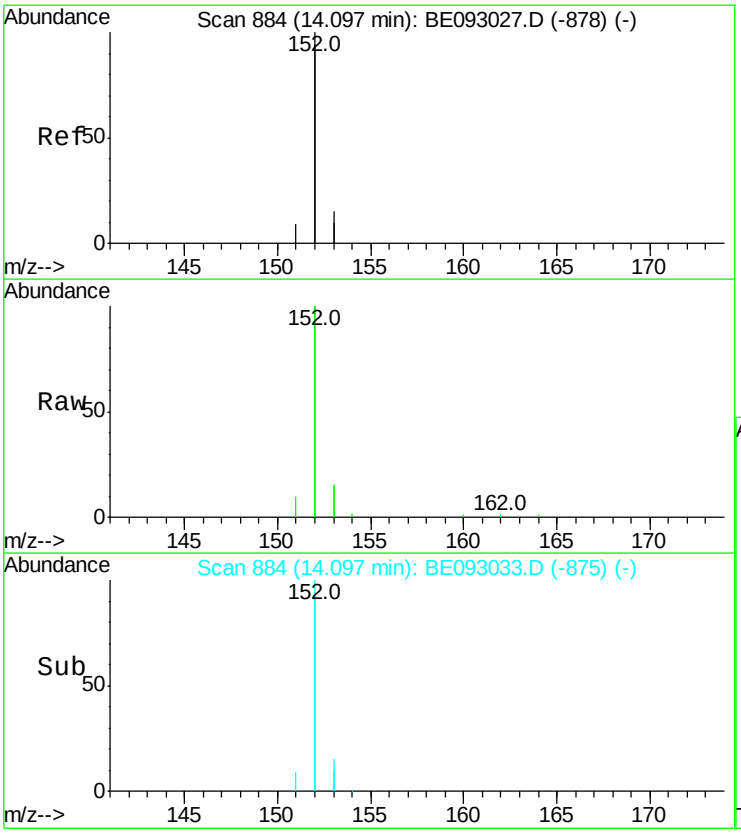
#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2842

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	25.7	20.7	31.1

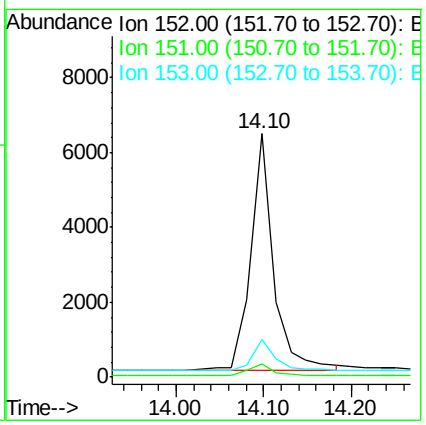


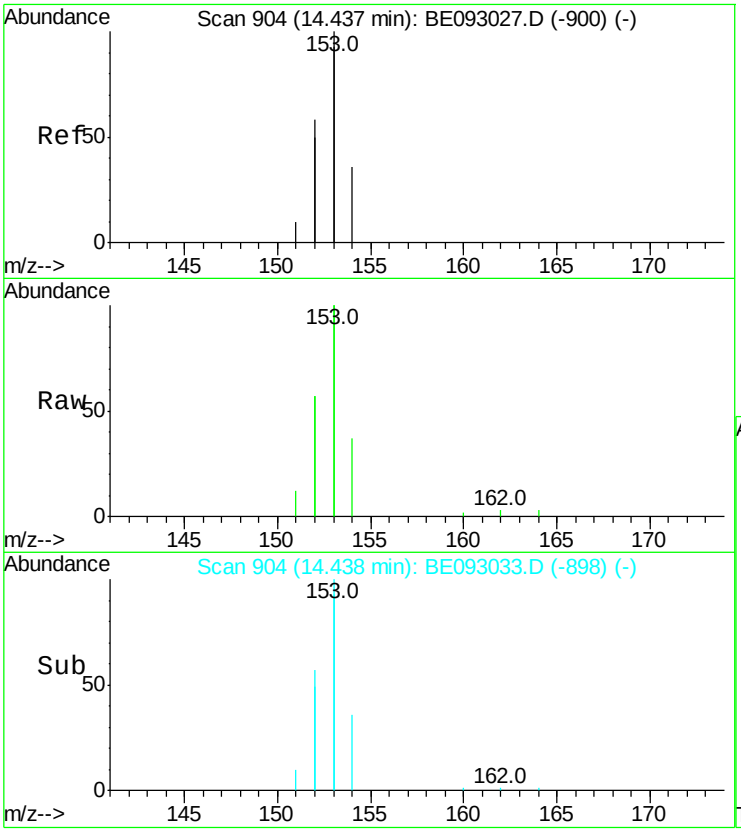


#16
Acenaphthylene
Concen: 0.33 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:152 Resp: 11412

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.0	10.3	15.5



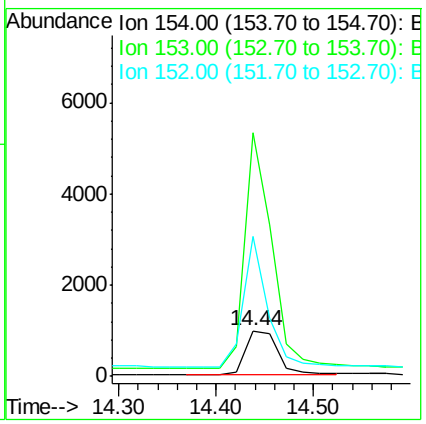


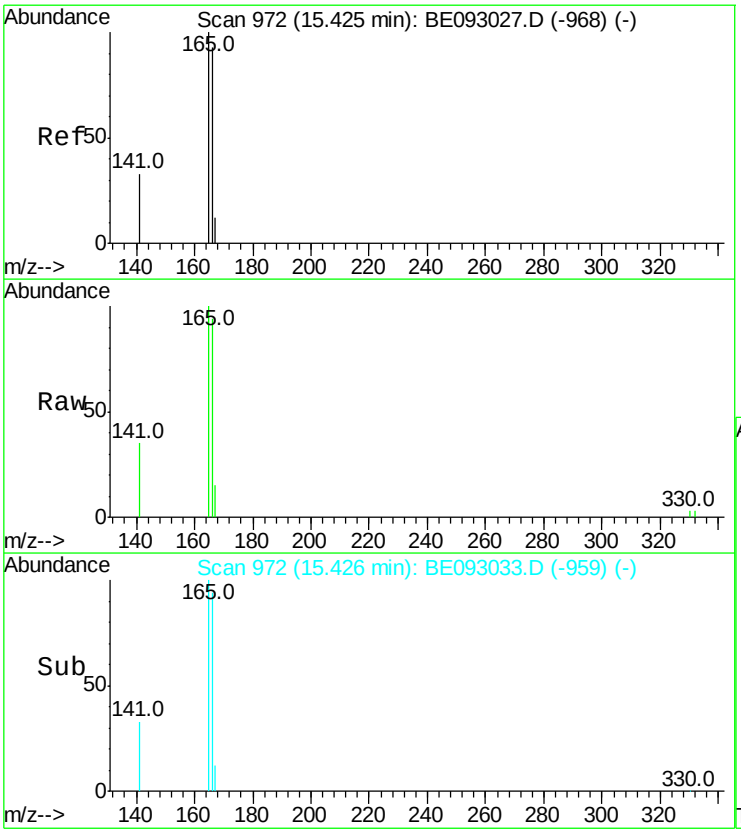
#17
Acenaphthene
Concen: 0.35 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2171

Ion	Ratio	Lower	Upper
154	100		
153	456.5	367.8	551.6
152	227.4	188.2	282.2

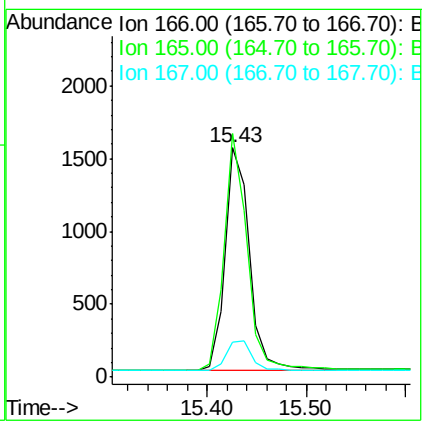


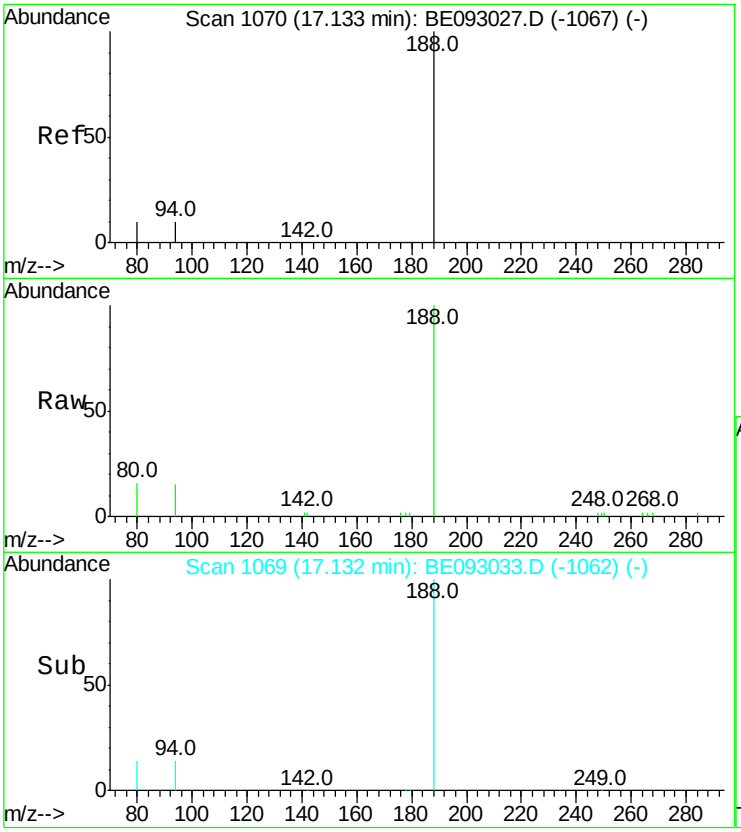


#18
Fluorene
Concen: 0.35 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:166 Resp: 2617

Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.6	117.8
167	14.4	11.1	16.7



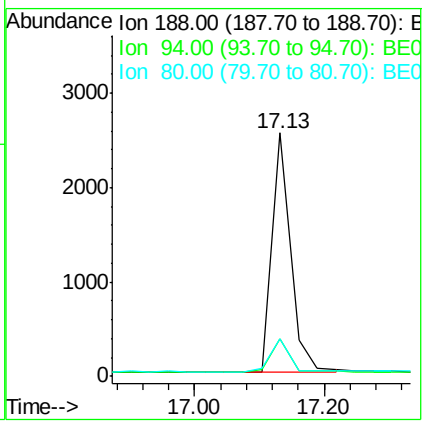


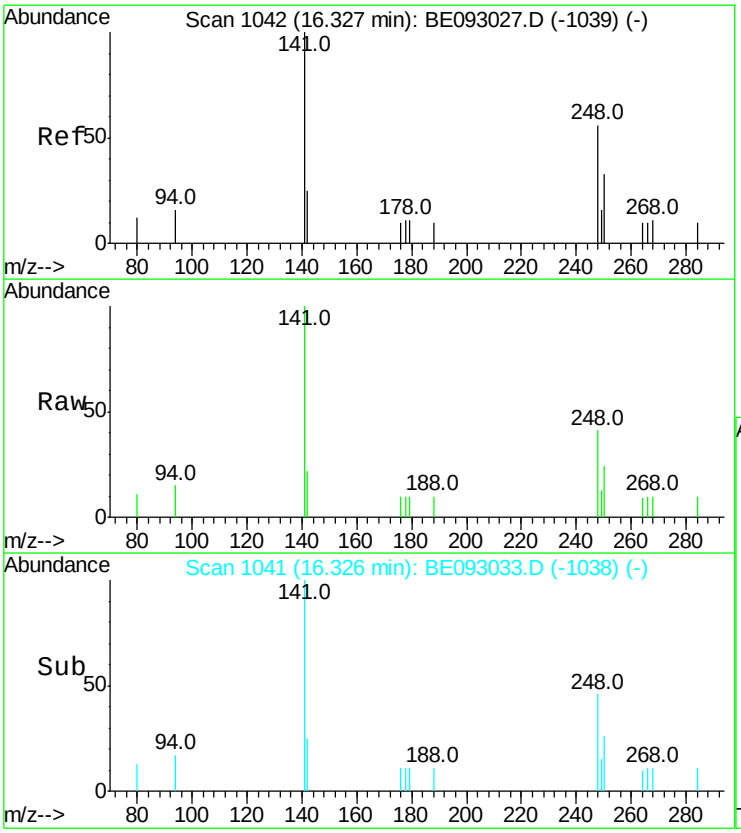
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 5096

Ion	Ratio	Lower	Upper
188	100		
94	15.2	11.3	16.9
80	15.6	11.7	17.5

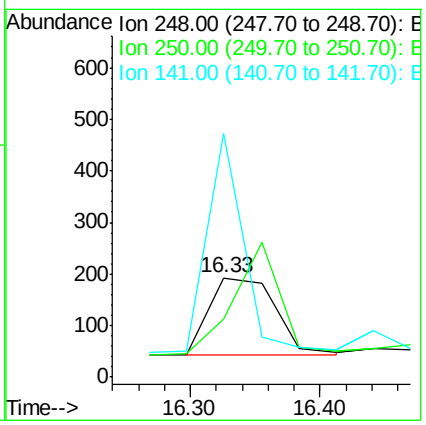


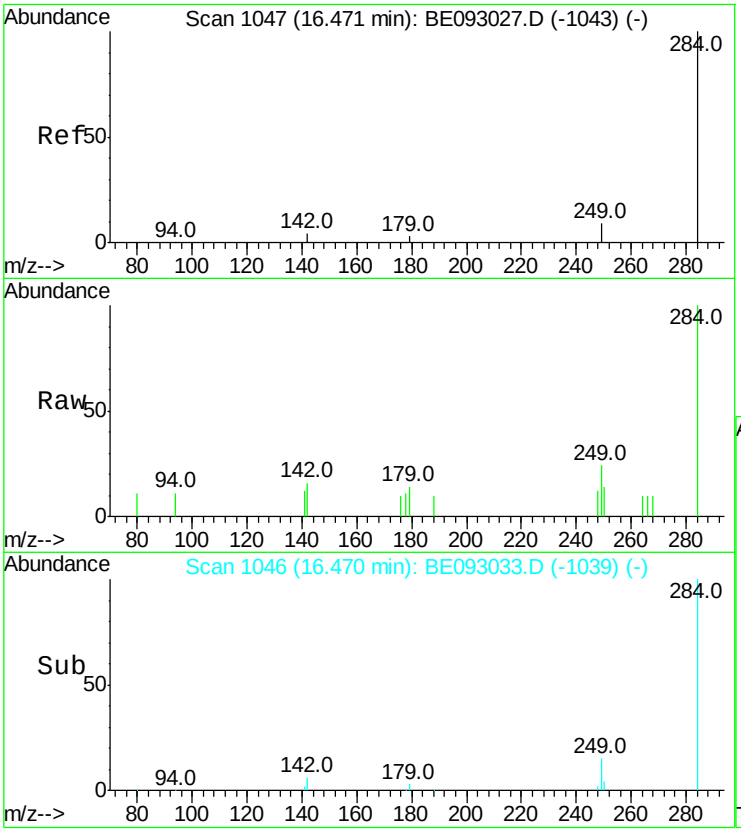


#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.33 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:248 Resp: 530

Ion	Ratio	Lower	Upper
248	100		
250	58.0	100.0	150.0#
141	244.6	40.0	60.0#



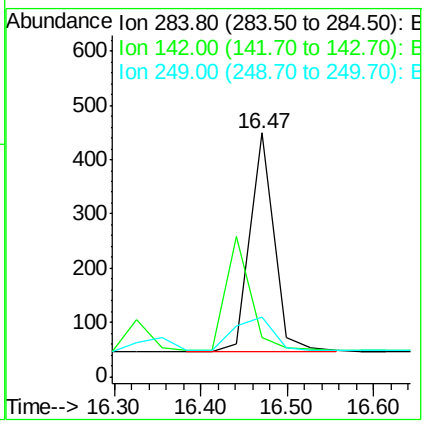


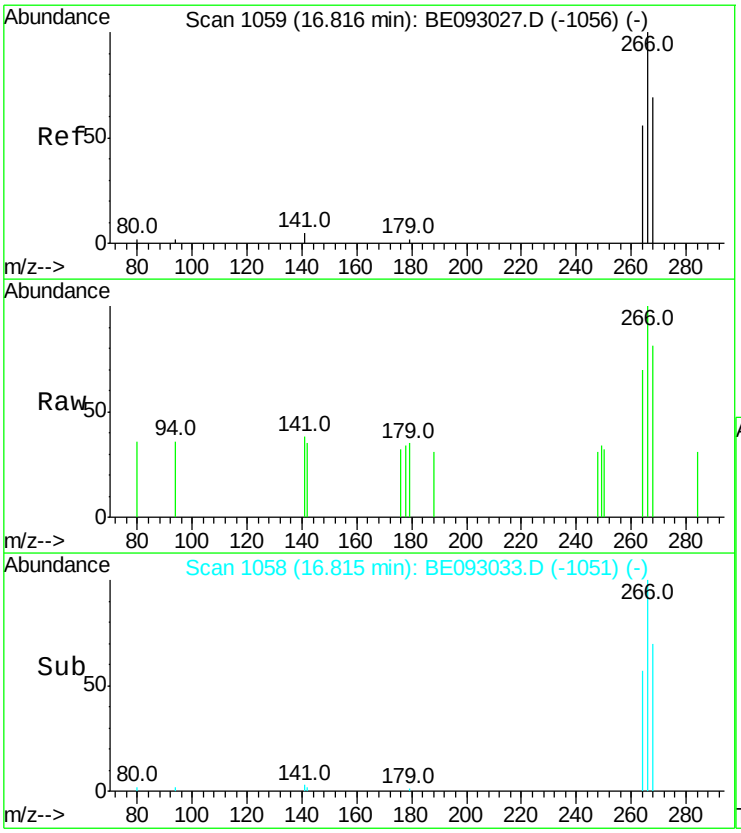
#21
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 785

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	24.5	0.0	0.0#

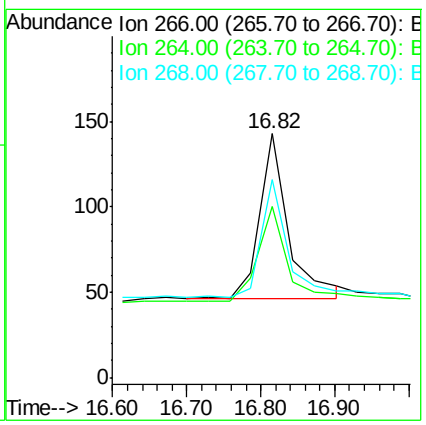


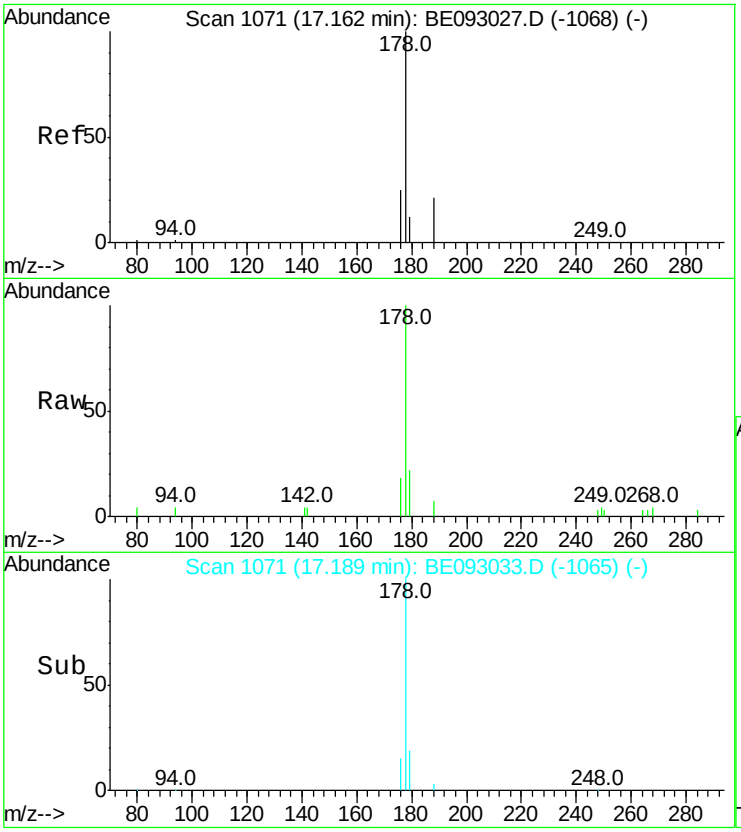


#22
Pentachlorophenol
Concen: 0.44 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:266 Resp: 268

Ion	Ratio	Lower	Upper
266	100		
264	69.9	58.2	87.2
268	81.1	71.9	107.9



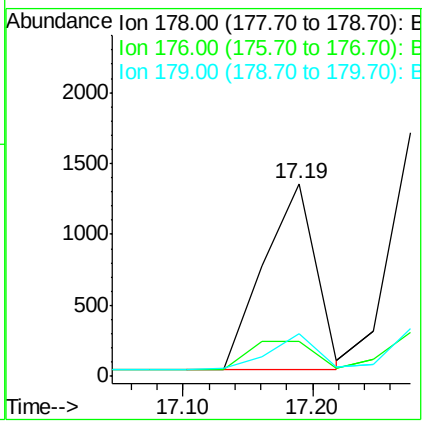


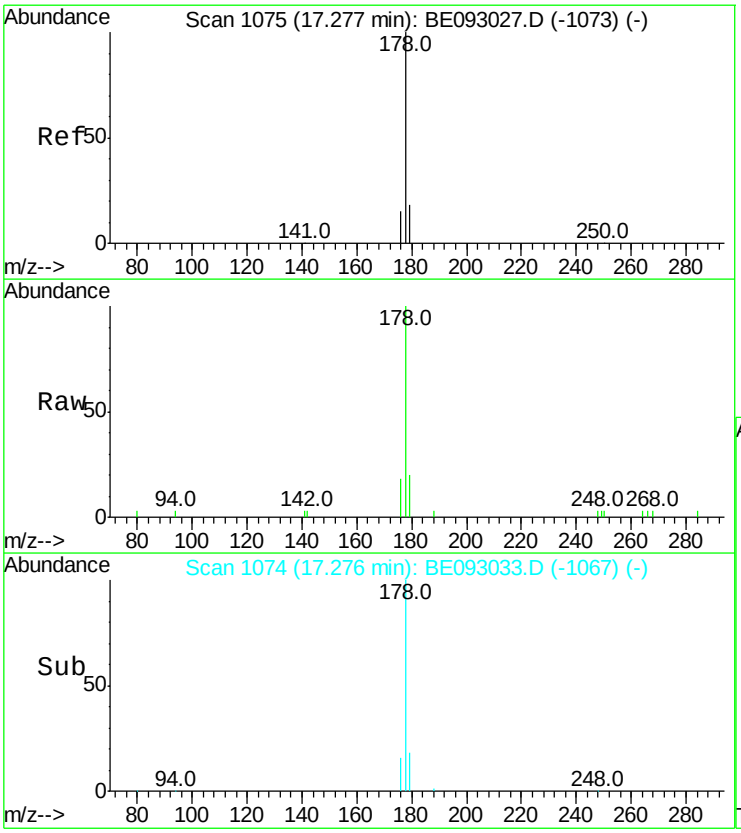
#23
Phenanthrene
Concen: 0.33 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.03 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 3627

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	16.6	12.7	19.1

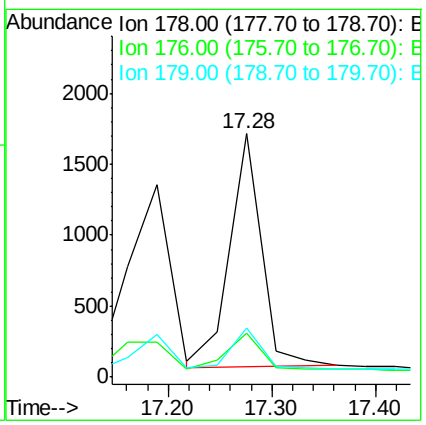


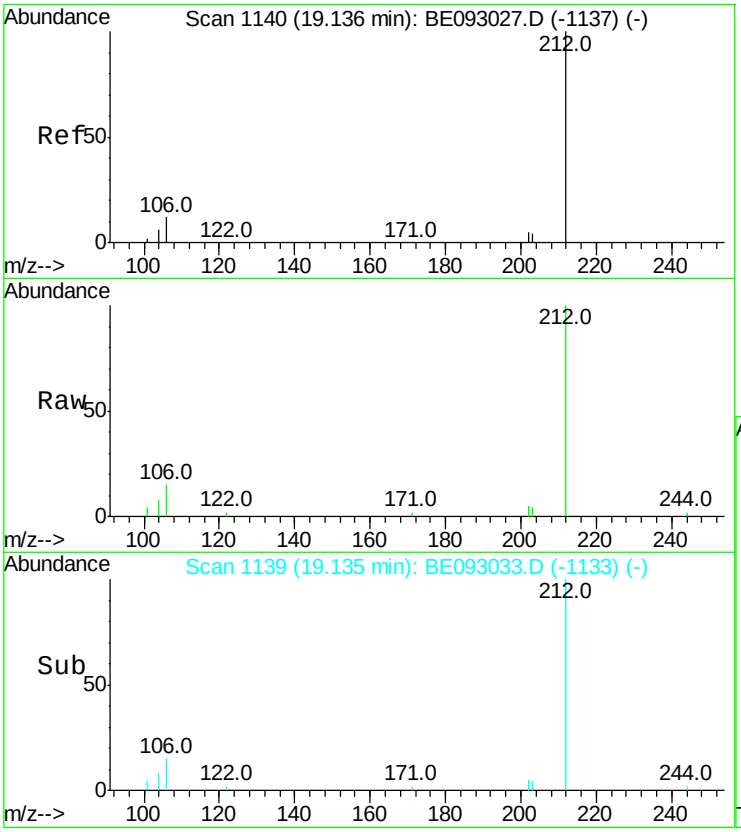


#24
Anthracene
Concen: 0.32 ng
RT: 17.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:178 Resp: 3529

Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.6	22.0
179	16.6	12.0	18.0



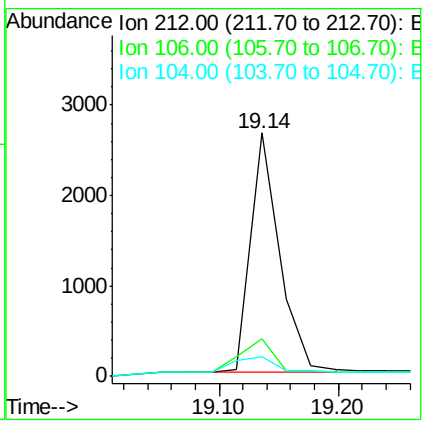


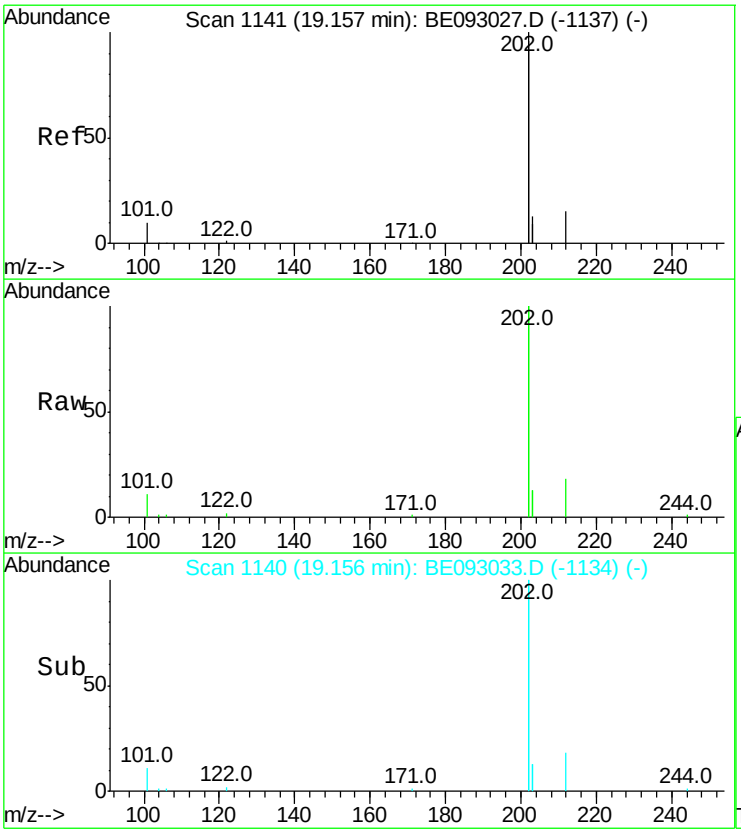
#25
Fluoranthene-d10
Concen: 0.34 ng
RT: 19.14 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 4505

Ion	Ratio	Lower	Upper
212	100		
106	16.1	0.0	0.0#
104	8.6	0.0	0.0#

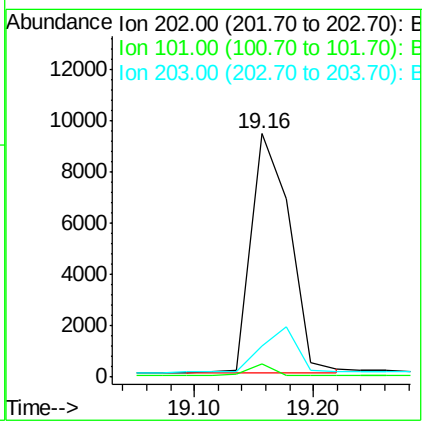


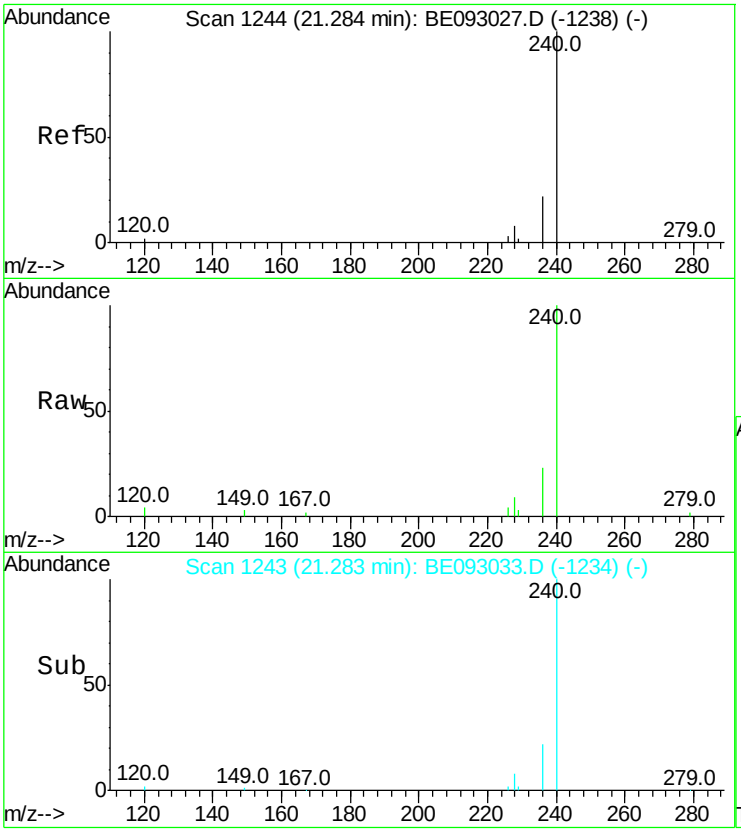


#26
Fluoranthene
Concen: 0.33 ng
RT: 19.16 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:202 Resp: 20958

Ion	Ratio	Lower	Upper
202	100		
101	3.6	0.0	0.0#
203	0.0	14.4	21.6#



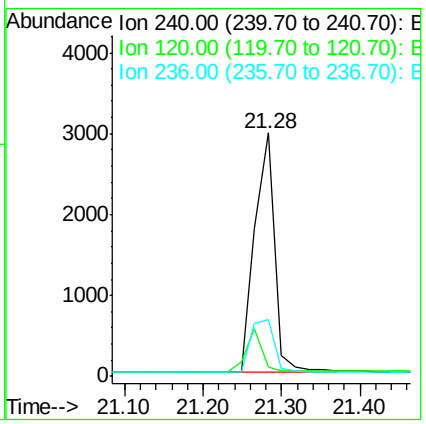


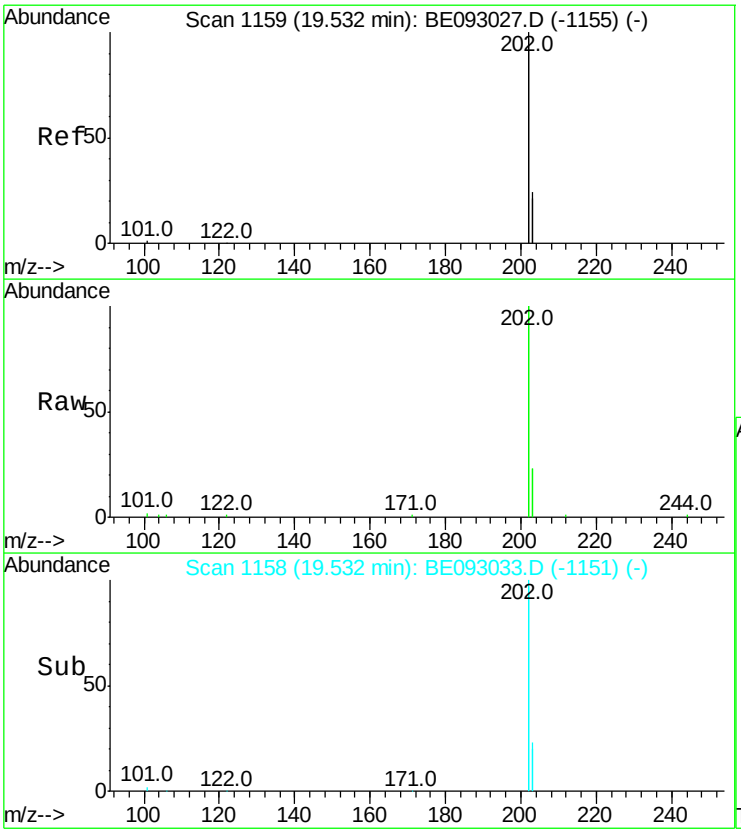
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5347

Ion	Ratio	Lower	Upper
240	100		
120	3.9	4.6	7.0#
236	23.1	20.8	31.2

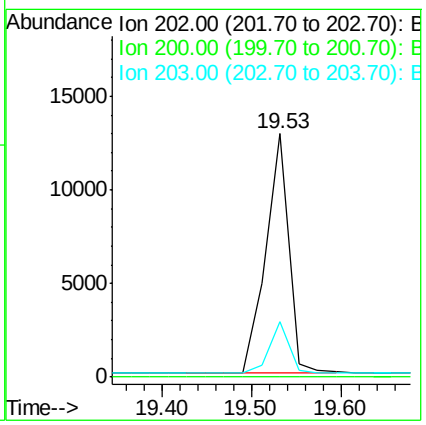


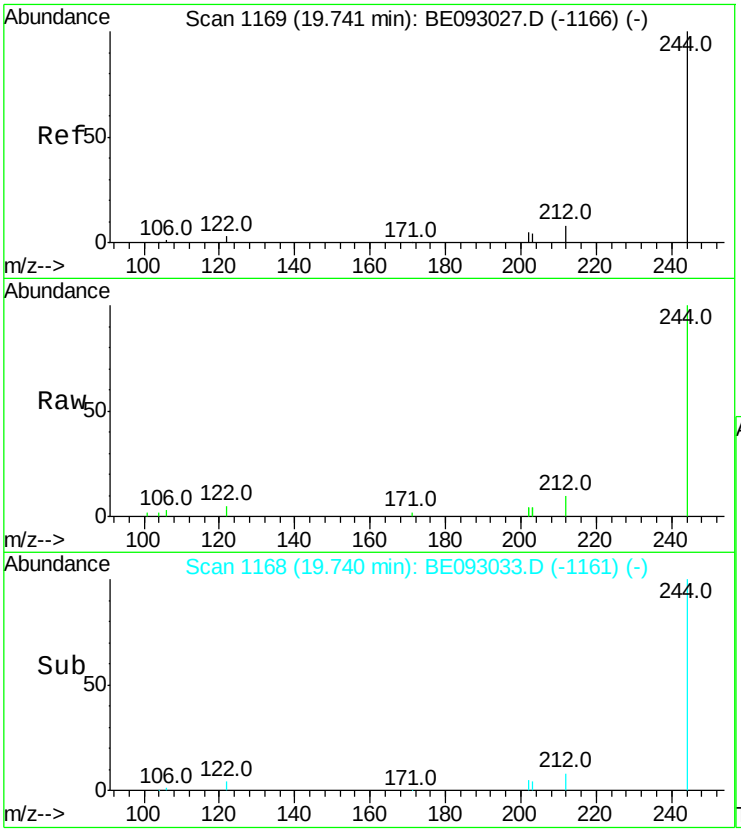


#28
Pyrene
Concen: 0.36 ng
RT: 19.53 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:202 Resp: 23067

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	18.5	13.7	20.5



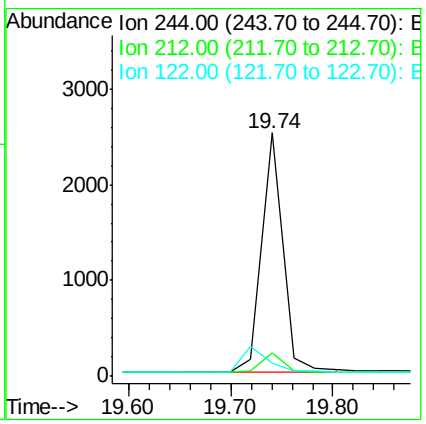


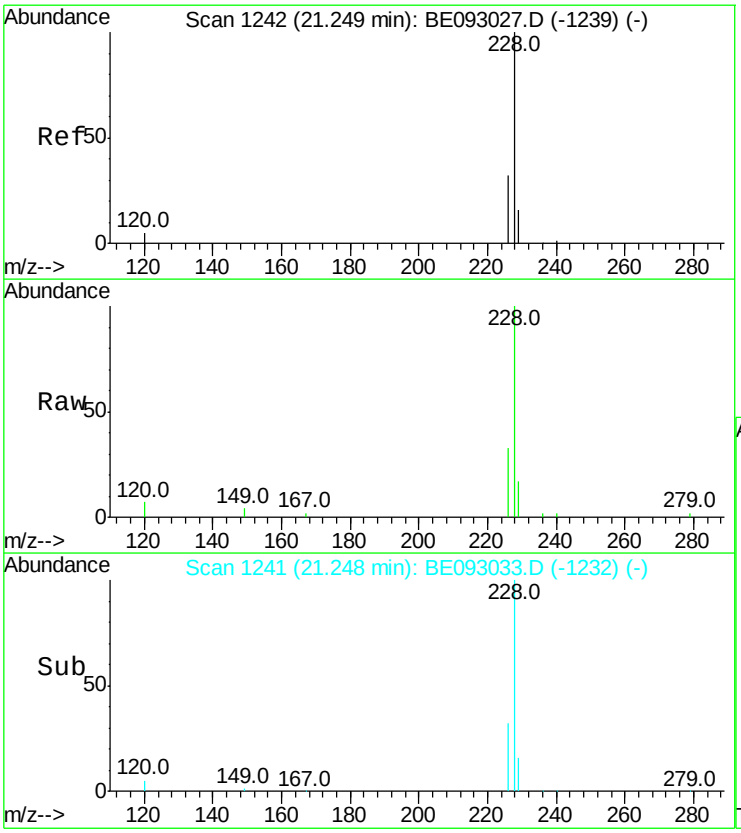
#29
Terphenyl-d14
Concen: 0.36 ng
RT: 19.74 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 3563

Ion	Ratio	Lower	Upper
244	100		
212	9.6	10.6	16.0#
122	5.4	15.4	23.0#

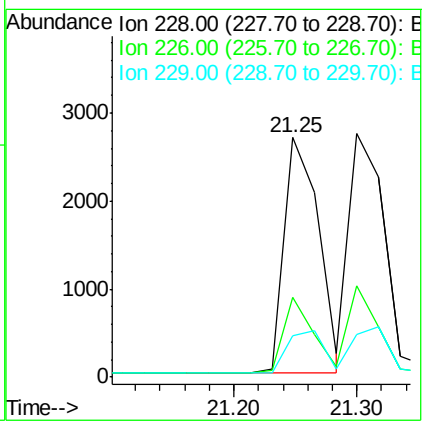


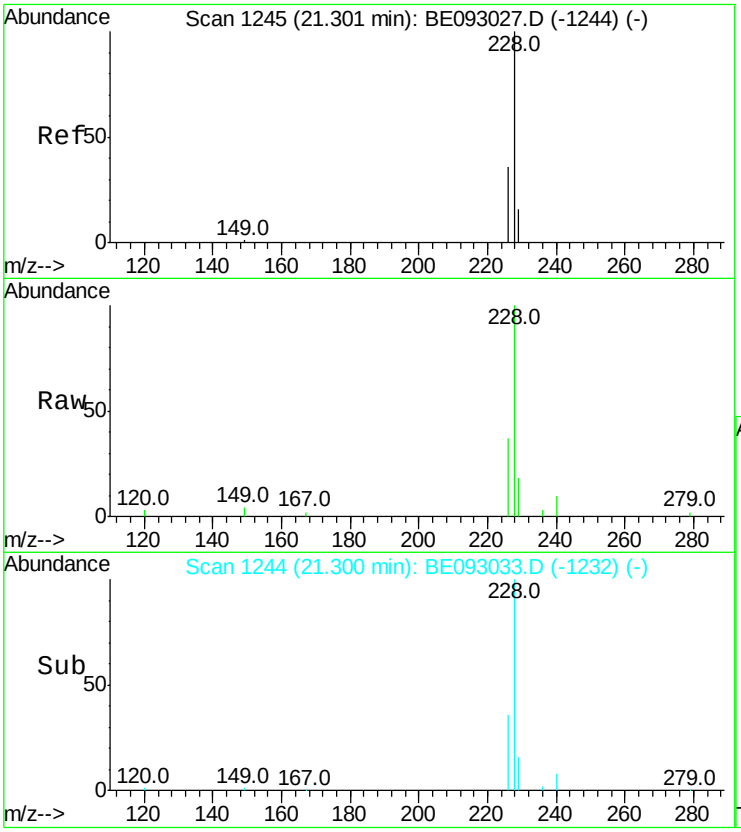


#30
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:228 Resp: 5192

Ion	Ratio	Lower	Upper
228	100		
226	33.1	19.7	29.5#
229	17.1	19.2	28.8#



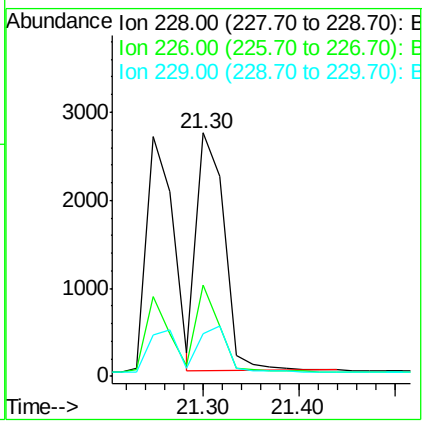


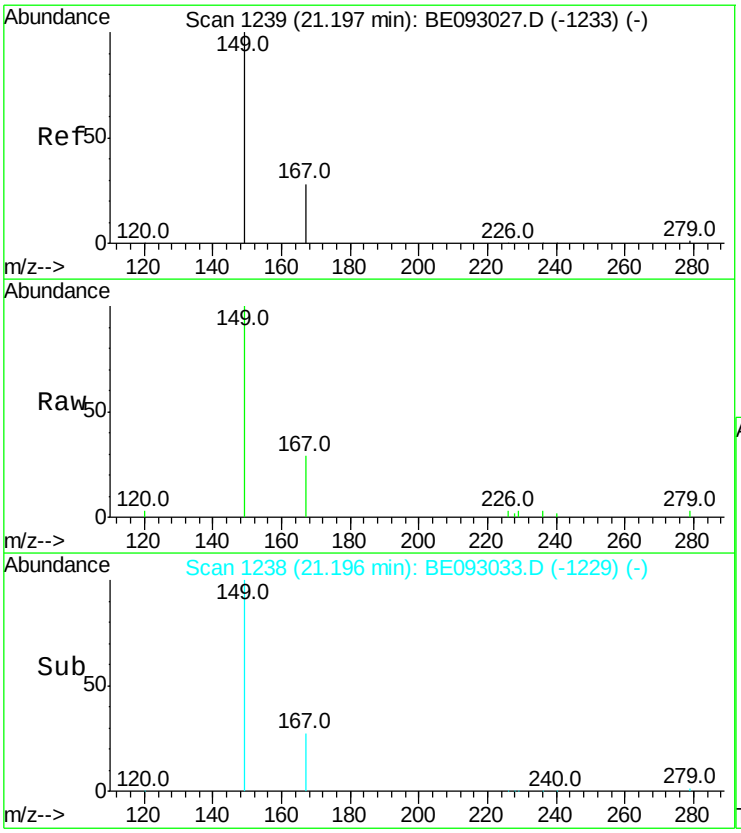
#31
Chrysene
Concen: 0.35 ng
RT: 21.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 5479

Ion	Ratio	Lower	Upper
228	100		
226	37.3	21.5	32.3#
229	17.7	18.6	28.0#

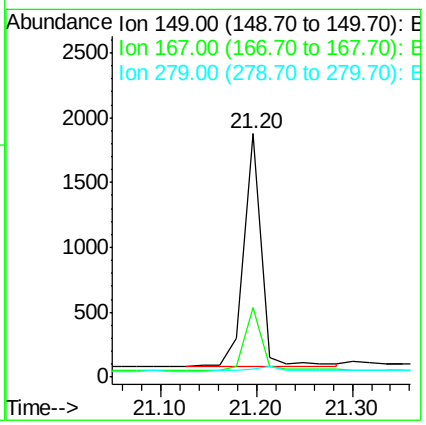


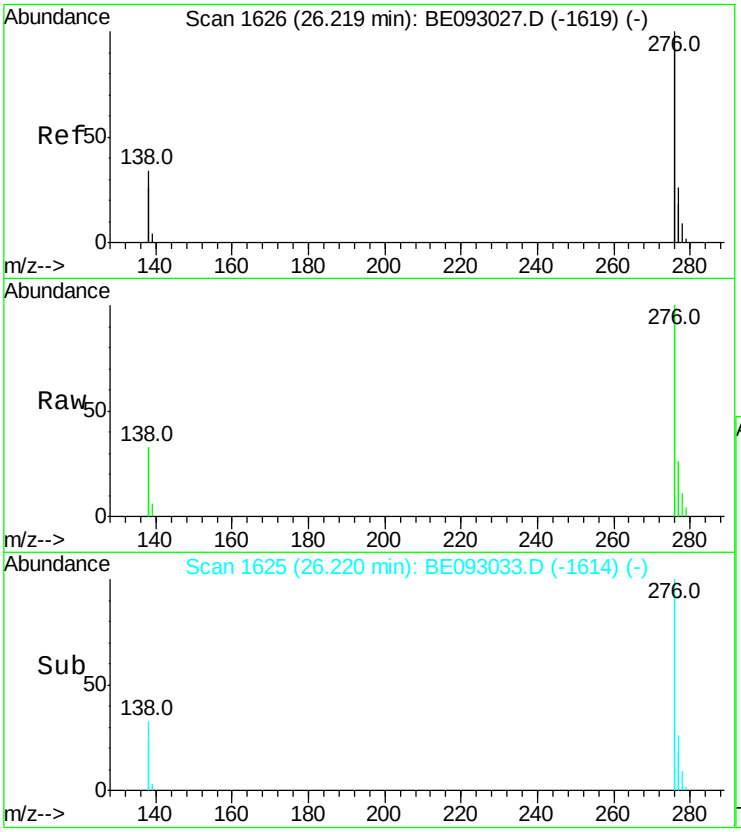


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.20 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:149 Resp: 2226

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.1	30.1
279	2.6	2.2	3.4



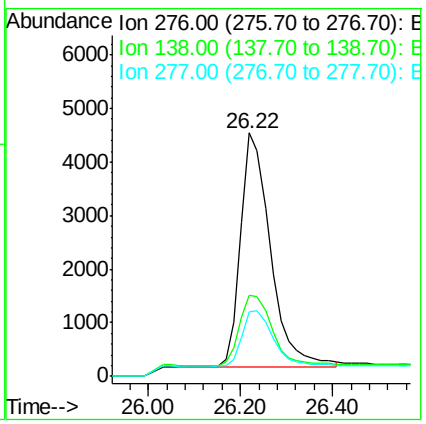


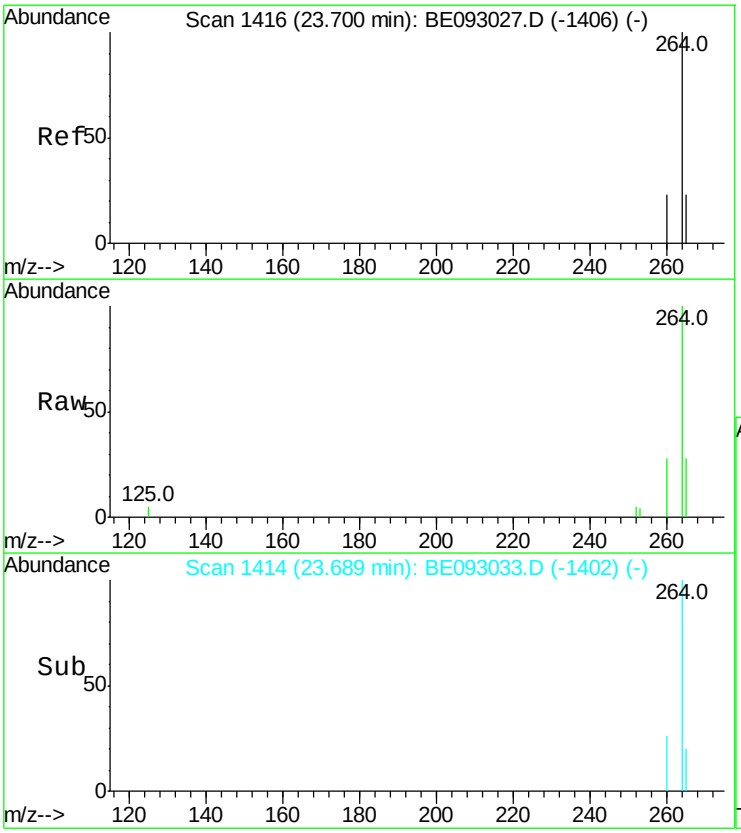
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.34 ng
RT: 26.22 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19550

Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.4	41.2
277	25.1	20.1	30.1

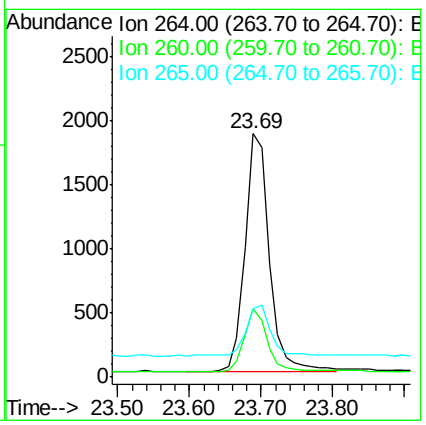


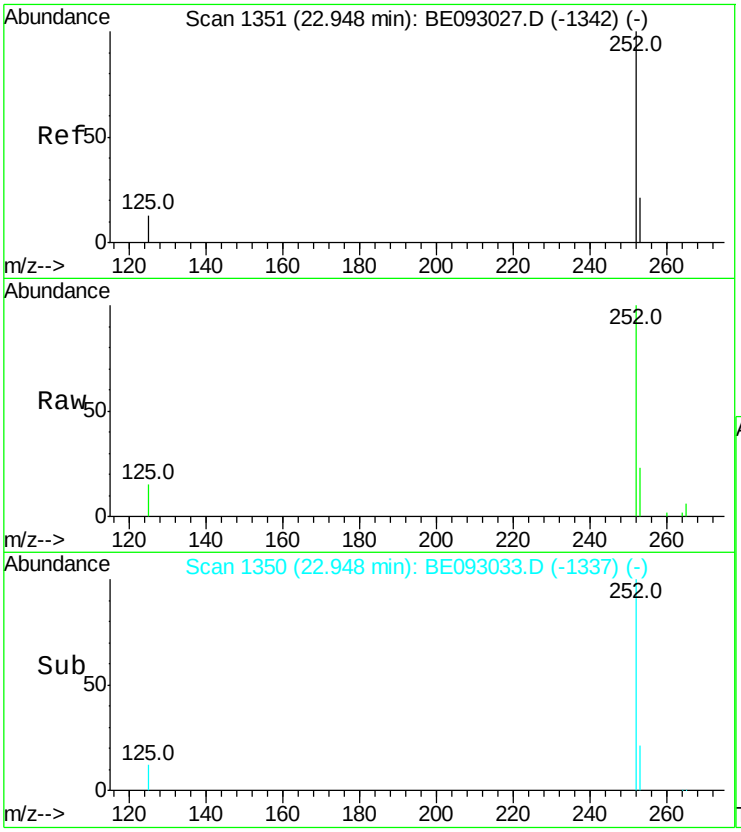


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:264 Resp: 4366

Ion	Ratio	Lower	Upper
264	100		
260	27.8	21.0	31.4
265	28.2	24.6	36.8



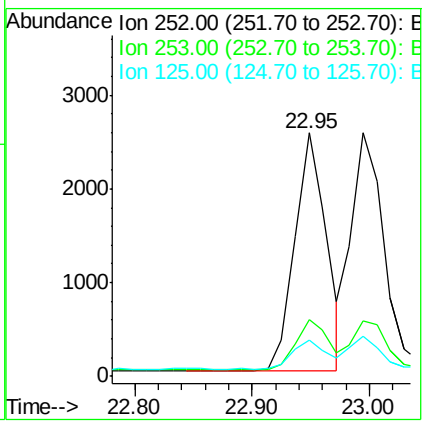


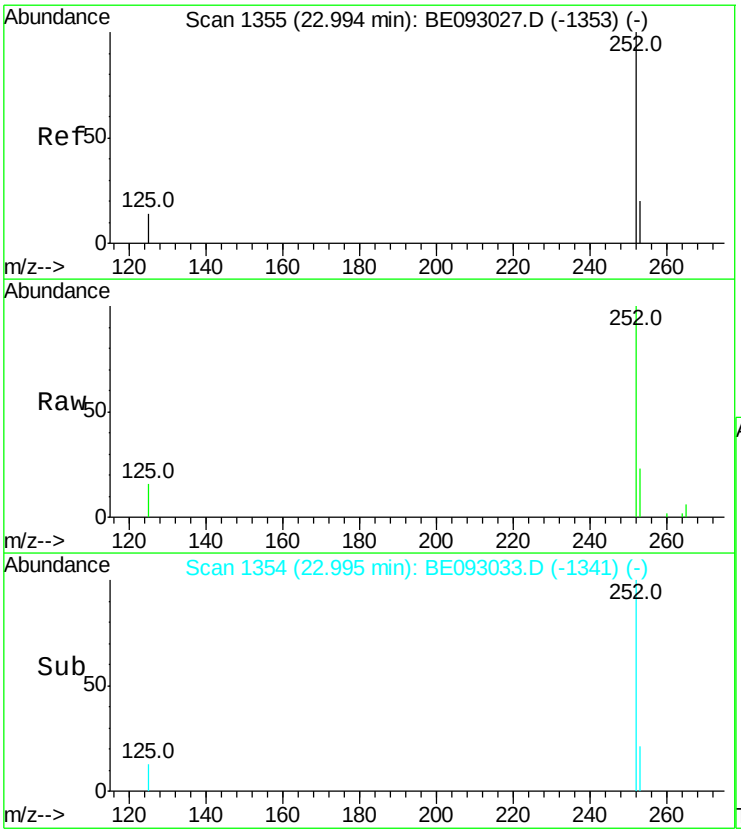
#35
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 22.95 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 4729

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	15.1	13.4	20.0

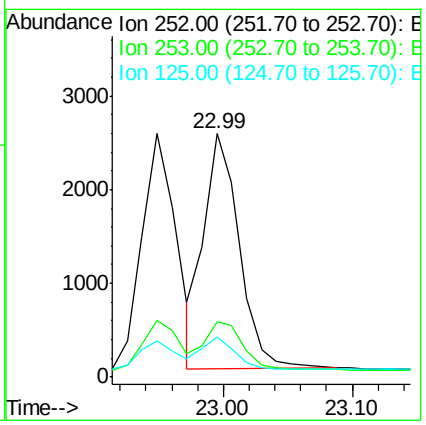


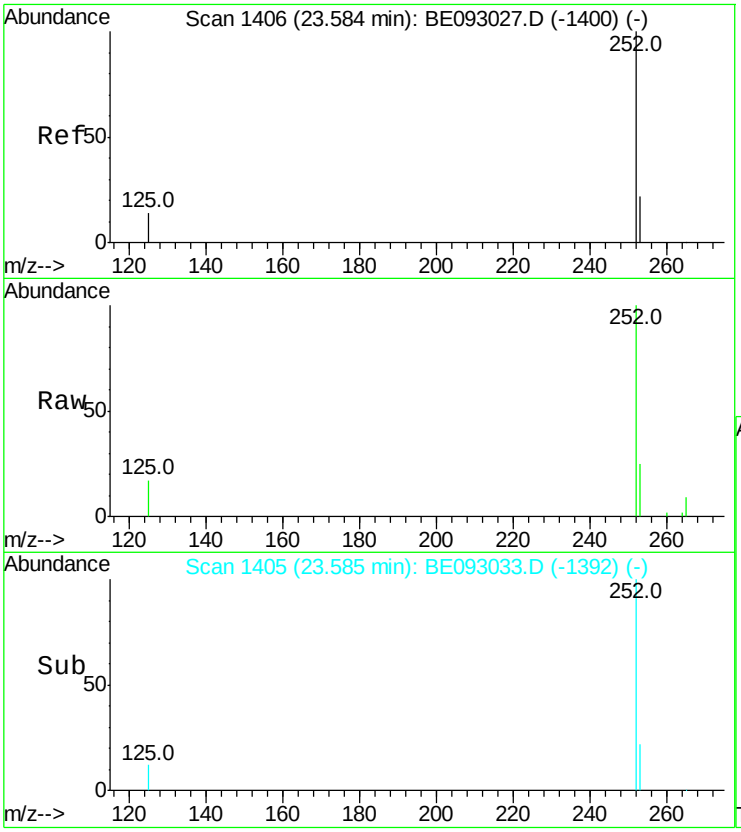


#36
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 22.99 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:252 Resp: 4805

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	16.3	12.2	18.4



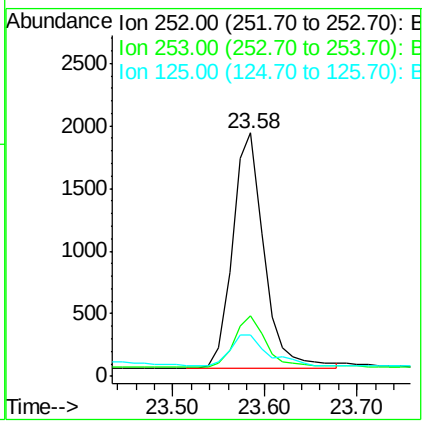


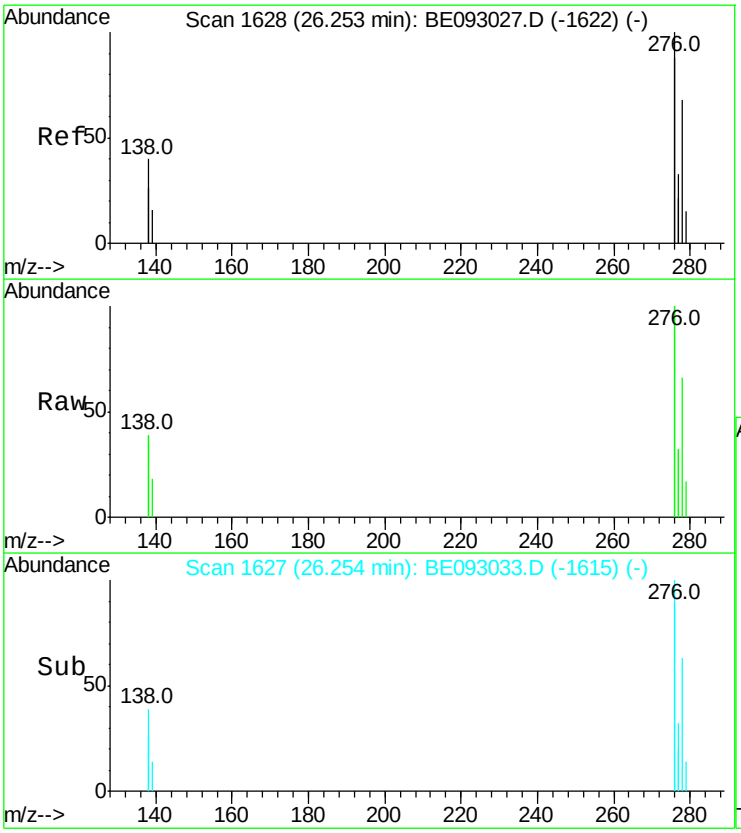
#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.58 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 4448

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.9	29.9
125	17.2	14.6	21.8

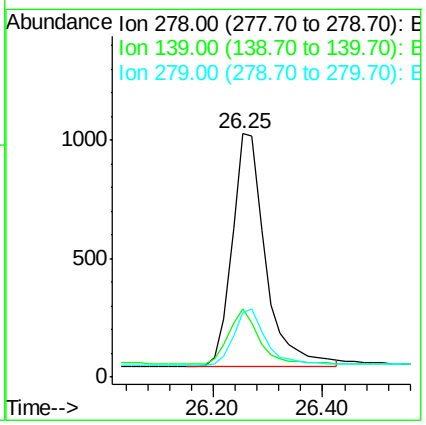


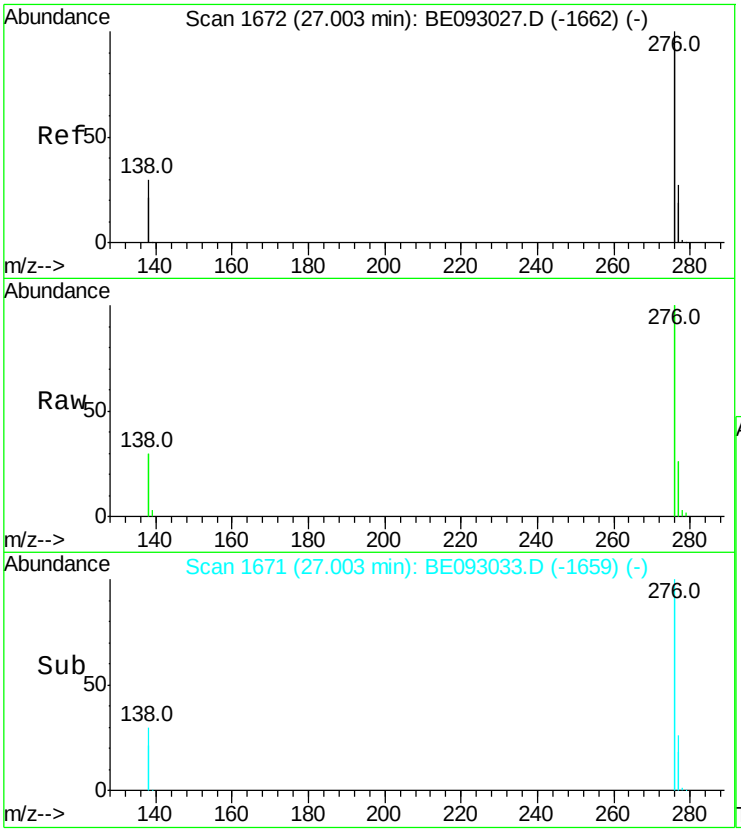


#38
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.25 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:278 Resp: 4127

Ion	Ratio	Lower	Upper
278	100		
139	27.9	21.4	32.0
279	26.6	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 27.00 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 17722

Ion	Ratio	Lower	Upper
276	100		
277	26.5	21.2	31.8
138	30.1	24.5	36.7