Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
Data File : BE093027.D
Acq On : 15 May 2017 10:24
Operator : SJ/MA
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: May 15 12:09:10 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 12:09:24 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	915	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3854	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1884	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	5433	0.40	ng		0.00
27) Chrysene-d12	21.28	240	5164	0.40	ng		0.00
34) Perylene-d12	23.70	264	4429	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	997	0.40	ng		0.00
5) Phenol-d6	6.92	99	1328	0.42	ng		0.00
8) Nitrobenzene-d5	8.88	82	1162	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.12	152	2019	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	192	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	2780	0.37	ng		0.00
25) Fluoranthene-d10	19.14	212	4626	0.32	ng		0.00
29) Terphenyl-d14	19.74	244	3523	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	629	0.34	ng		99
3) n-Nitrosodimethylamine	3.61	42	579	0.37	ng		98
6) bis(2-Chloroethyl)ether	7.18	93	1083	0.35	ng	#	99
9) Naphthalene	10.58	128	3641	0.35	ng		99
10) Hexachlorobutadiene	10.87	225	470	0.33	ng		98
12) 2-Methylnaphthalene	12.19	142	2224	0.37	ng		96
16) Acenaphthylene	14.10	152	11203	0.35	ng		100
17) Acenaphthene	14.44	154	2084	0.36	ng		98
18) Fluorene	15.43	166	2567	0.35	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	539	0.31	ng	#	1
21) Hexachlorobenzene	16.47	284	706	0.27	ng	#	100
22) Pentachlorophenol	16.82	266	181	0.28	ng		96
23) Phenanthrene	17.16	178	3670	0.28	ng	#	80
24) Anthracene	17.28	178	3237	0.29	ng		98
26) Fluoranthene	19.16	202	21109	0.30	ng	#	59
28) Pyrene	19.53	202	22939	0.35	ng	#	97
30) Benzo(a)anthracene	21.25	228	5024	0.40	ng	#	85
31) Chrysene	21.30	228	5338	0.34	ng	#	85
32) Bis(2-ethylhexyl)phthalate	21.20	149	2279	0.41	ng		97
33) Indeno(1,2,3-cd)pyrene	26.22	276	19395	0.38	ng		99
35) Benzo(b)fluoranthene	22.95	252	4791	0.34	ng		99
36) Benzo(k)fluoranthene	22.99	252	4951	0.35	ng		96
37) Benzo(a)pyrene	23.58	252	4382	0.35	ng		99
38) Dibenzo(a,h)anthracene	26.25	278	4126	0.37	ng		99
39) Benzo(g,h,i)perylene	27.00	276	18161	0.35	ng		99

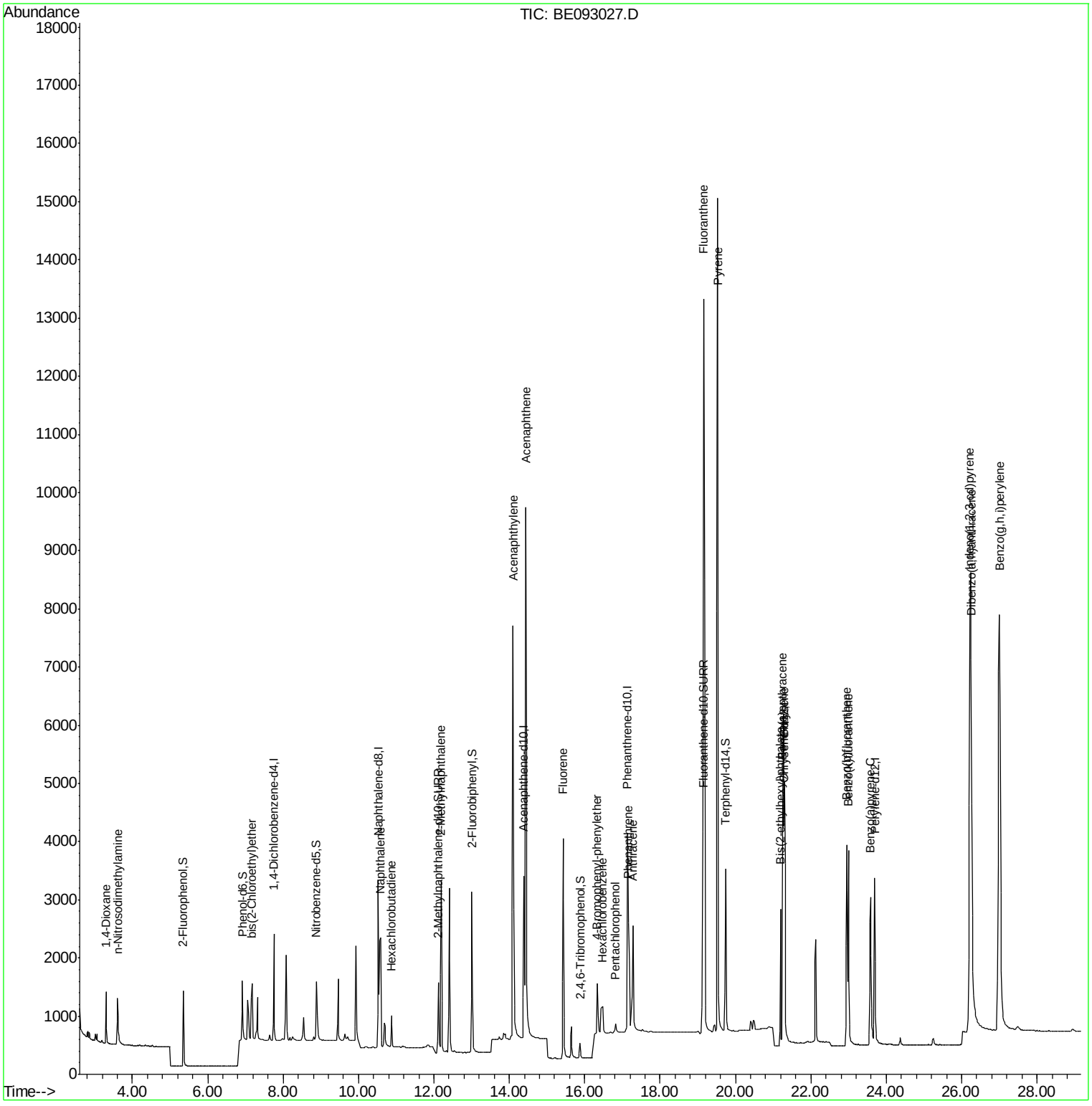
(#) = qualifier out of range (m) = manual integration (+) = signals summed

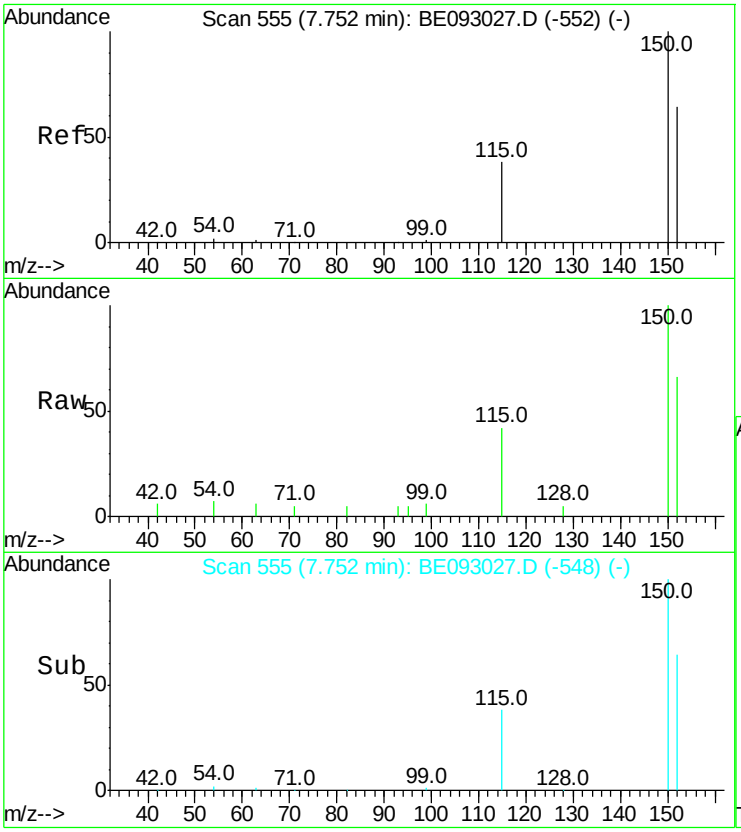
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
Data File : BE093027.D
Acq On : 15 May 2017 10:24
Operator : SJ/MA
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: May 15 12:09:10 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 12:09:24 2017
Response via : Initial Calibration



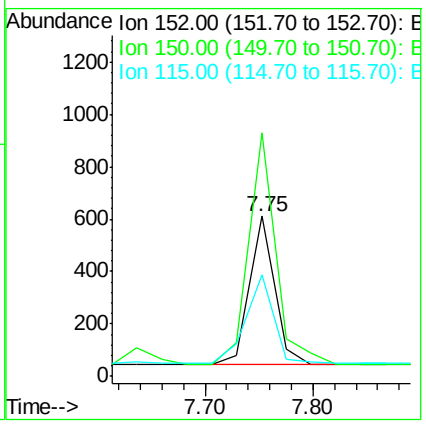


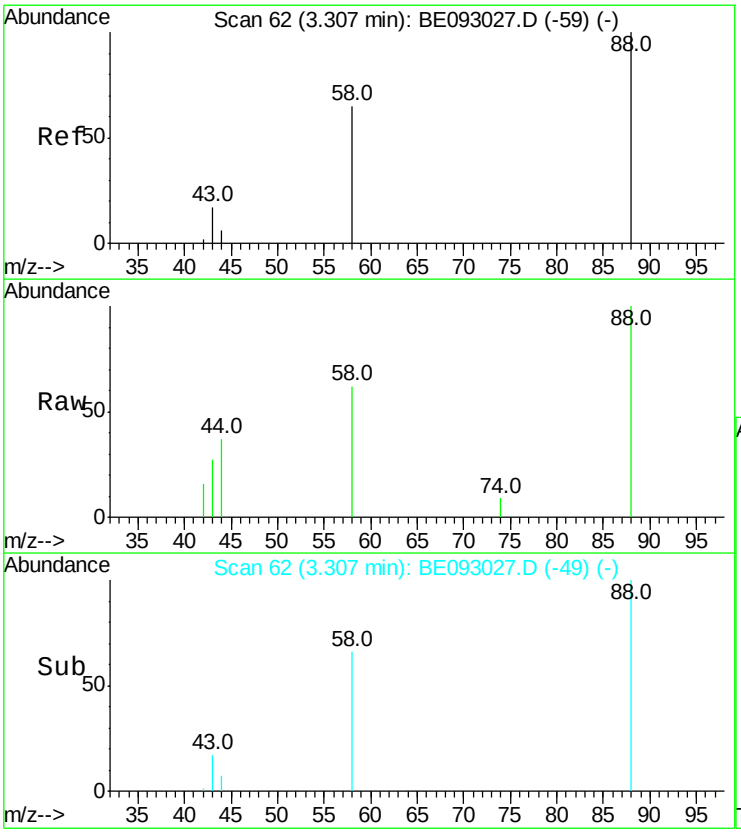
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 915

Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.1	187.7
115	63.8	55.7	83.5

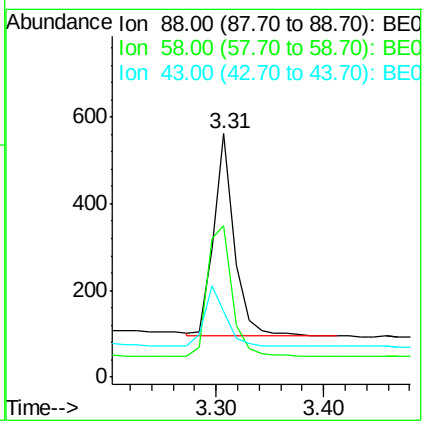


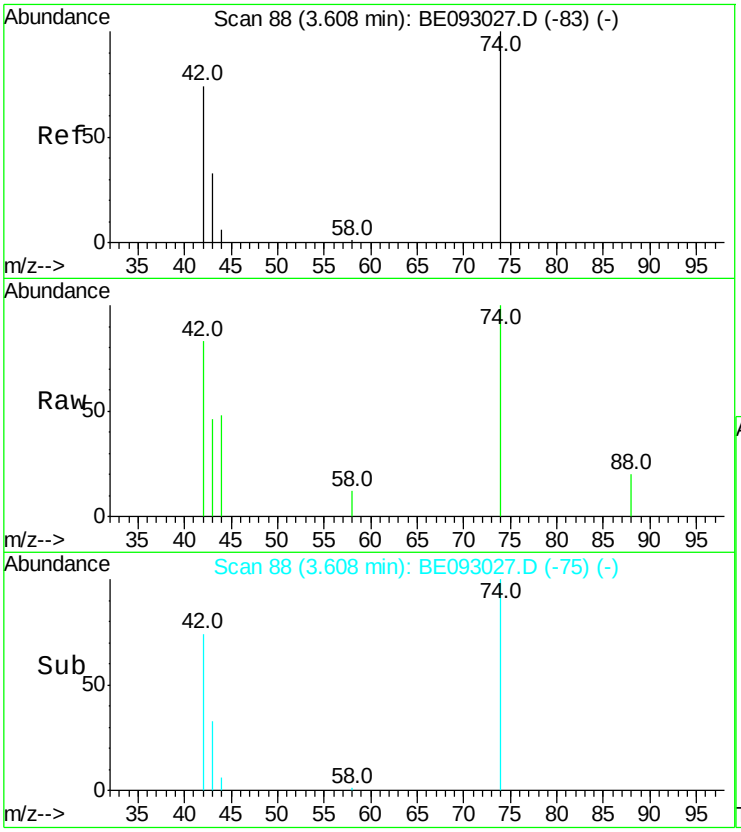


#2
1,4-Dioxane
Concen: 0.34 ng
RT: 3.31 min Scan# 62
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion: 88 Resp: 629

Ion	Ratio	Lower	Upper
88	100		
58	78.1	62.2	93.4
43	29.9	23.2	34.8



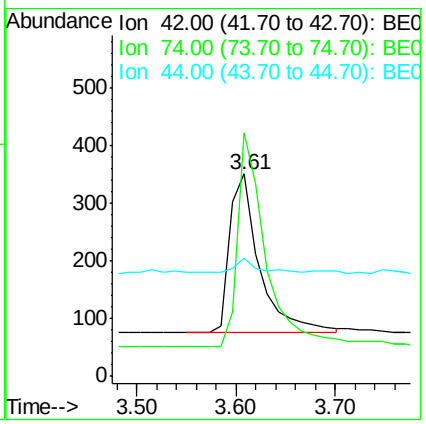


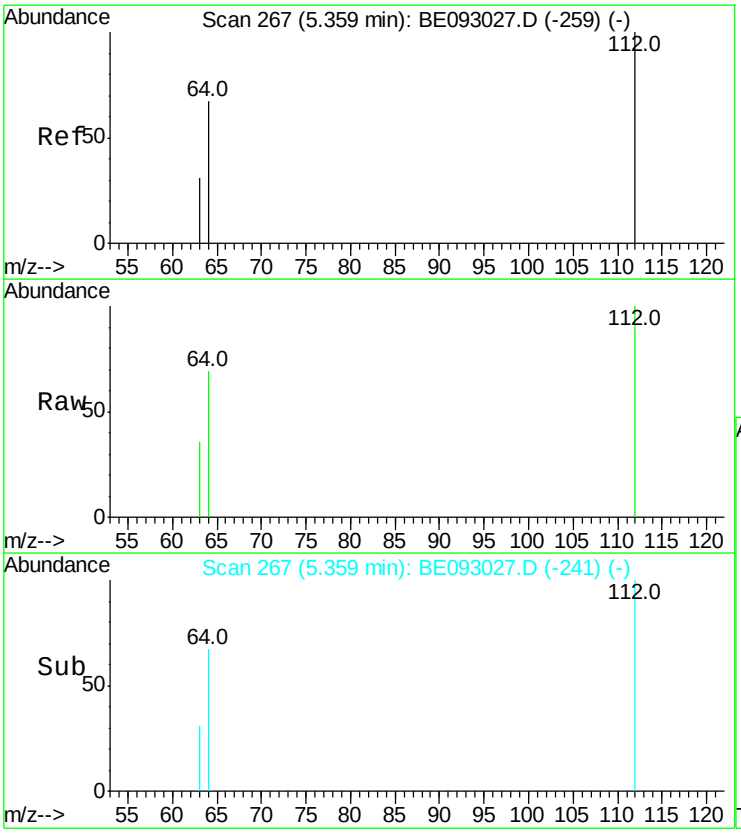
#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.61 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 579

Ion	Ratio	Lower	Upper
42	100		
74	125.4	99.1	148.7
44	7.6	7.4	11.2

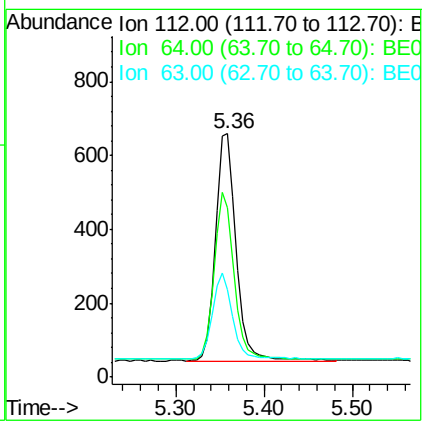


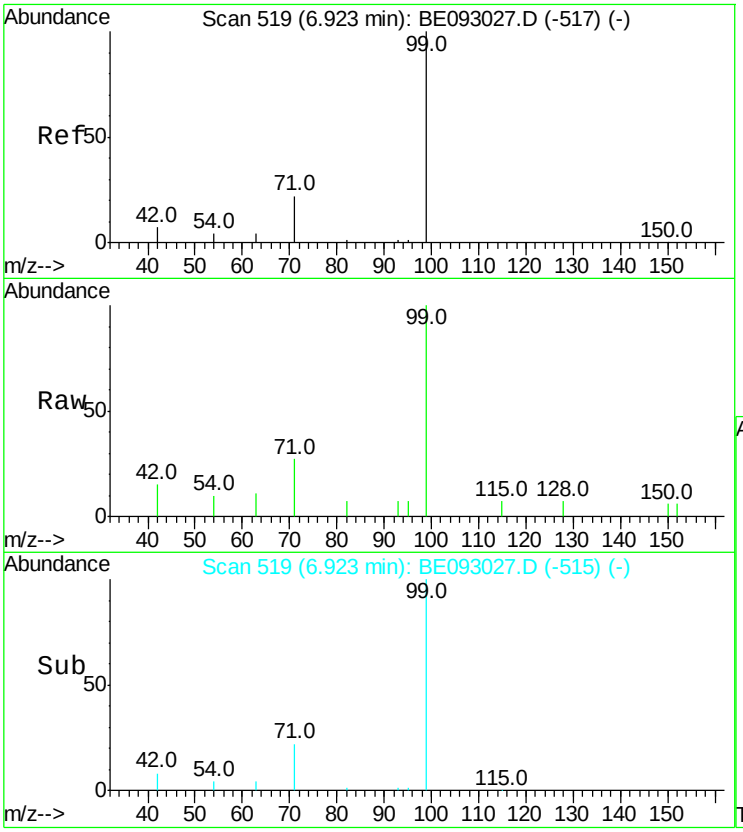


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:112 Resp: 997

Ion	Ratio	Lower	Upper
112	100		
64	71.0	56.4	84.6
63	36.8	29.3	43.9



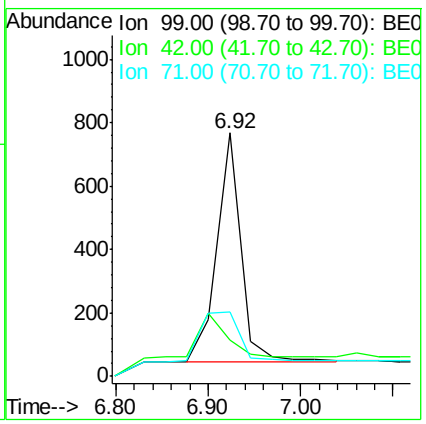


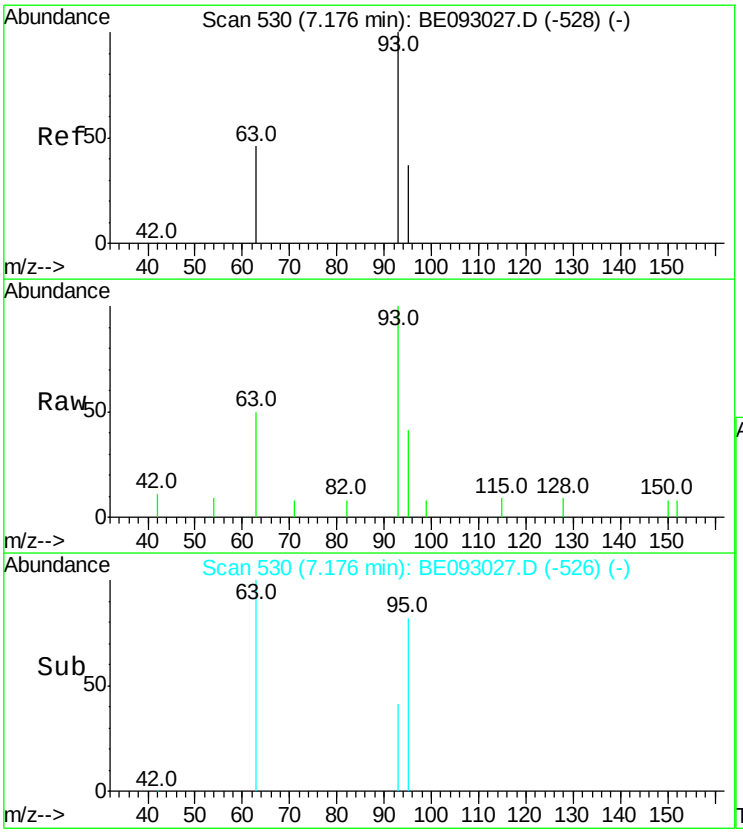
#5
Phenol-d6
Concen: 0.42 ng
RT: 6.92 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1328

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	34.3	0.0	0.0#

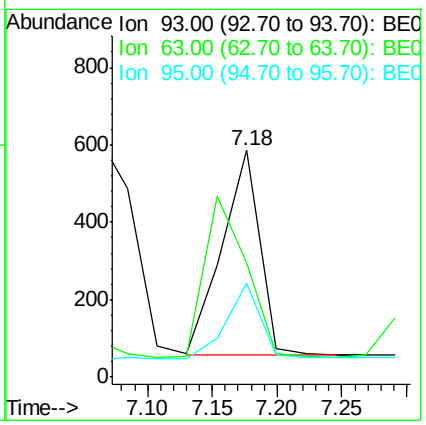


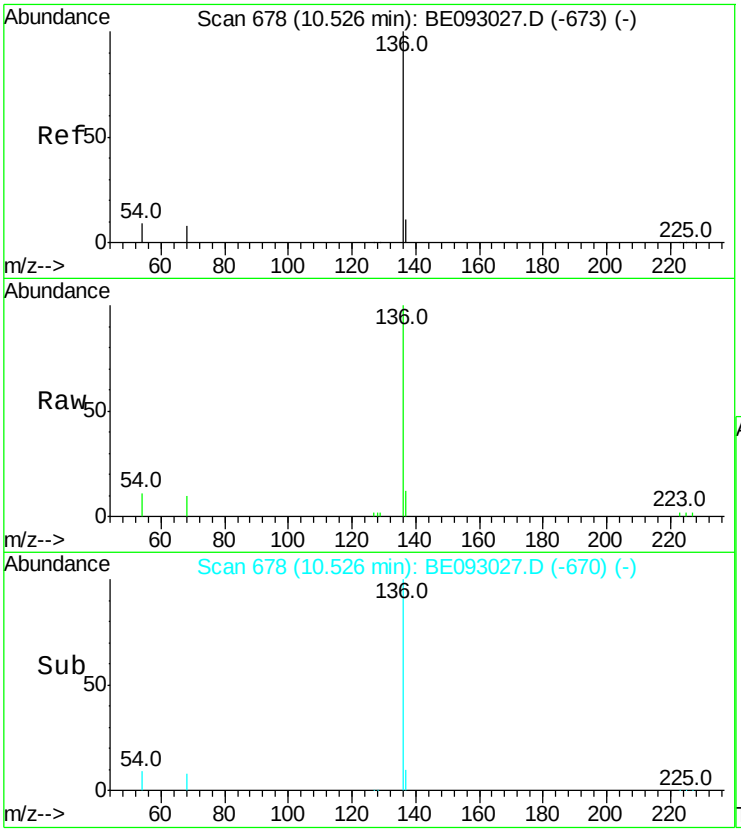


#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.18 min Scan# 530
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion: 93 Resp: 1083

Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	32.5	25.4	38.0



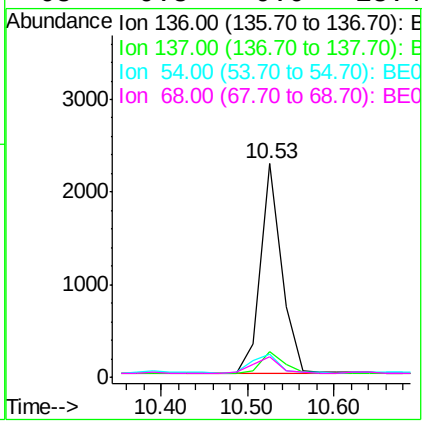


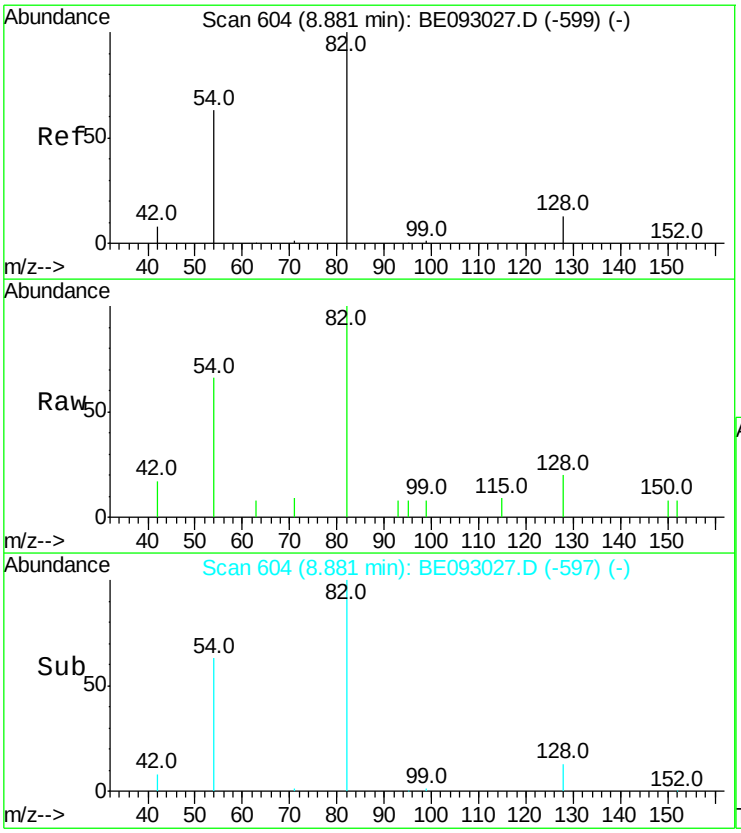
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 3854

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	10.9	10.3	15.5
68	9.8	9.0	13.4

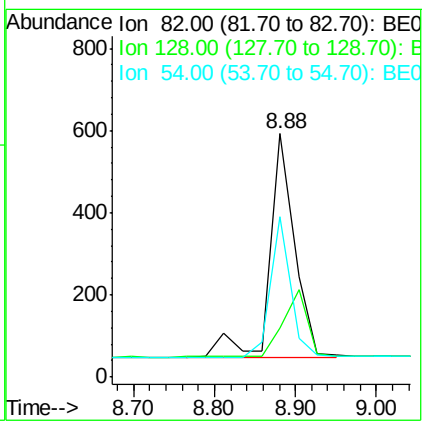


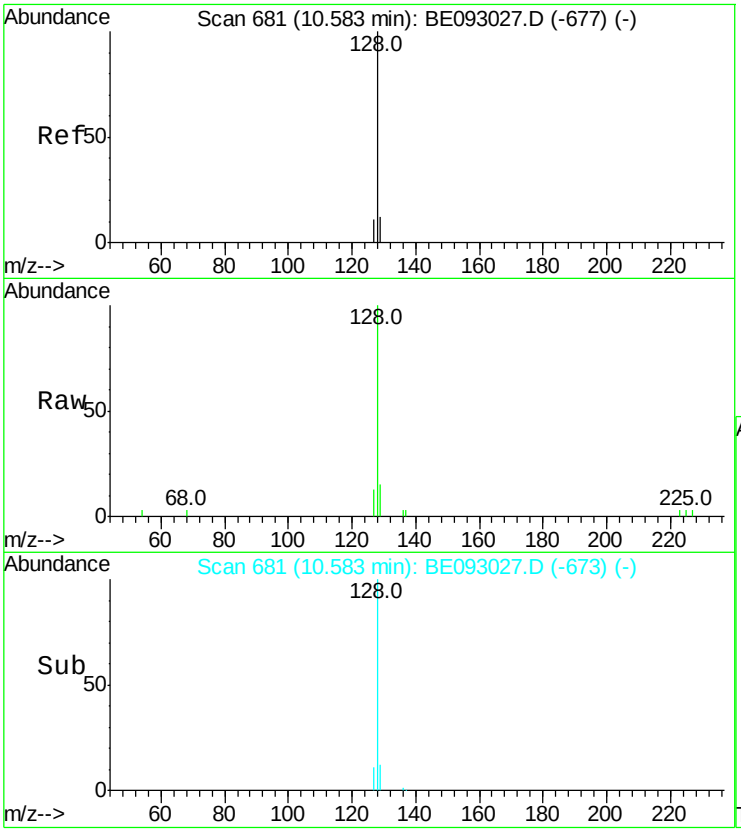


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.88 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion: 82 Resp: 1162

Ion	Ratio	Lower	Upper
82	100		
128	19.9	17.0	25.4
54	66.1	53.8	80.6



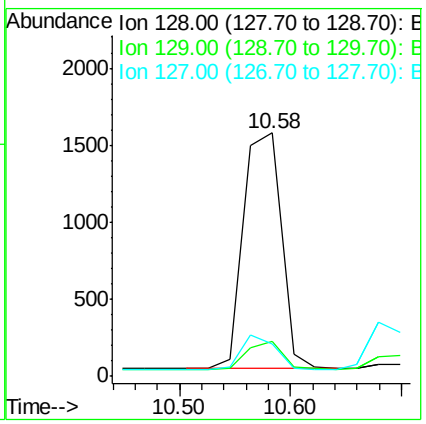


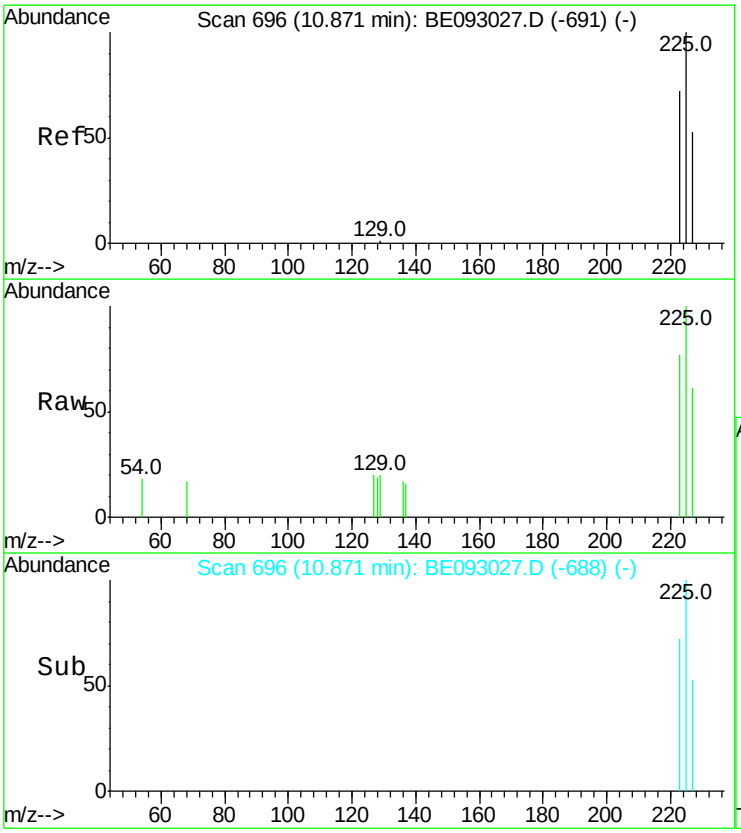
#9
Naphthalene
Concen: 0.35 ng
RT: 10.58 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 3641

Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.4	17.0
127	13.4	11.2	16.8

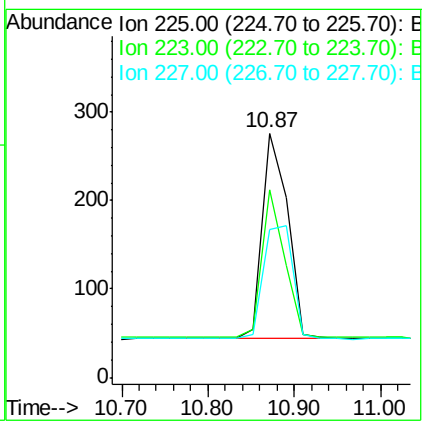


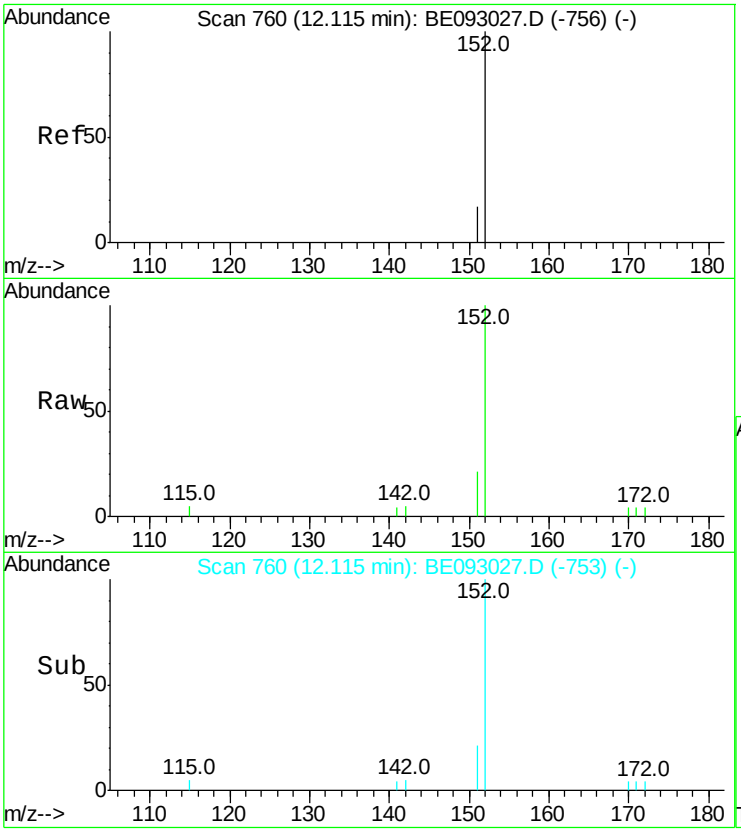


#10
Hexachlorobutadiene
Concen: 0.33 ng
RT: 10.87 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:225 Resp: 470

Ion	Ratio	Lower	Upper
225	100		
223	64.5	49.7	74.5
227	64.0	50.3	75.5



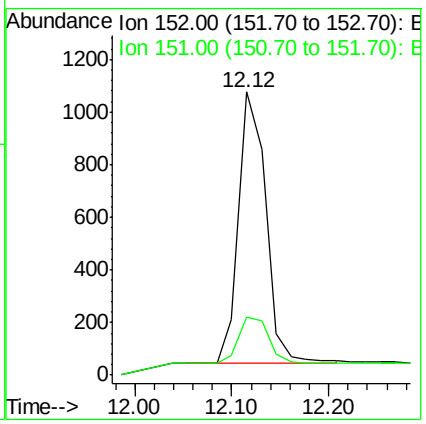


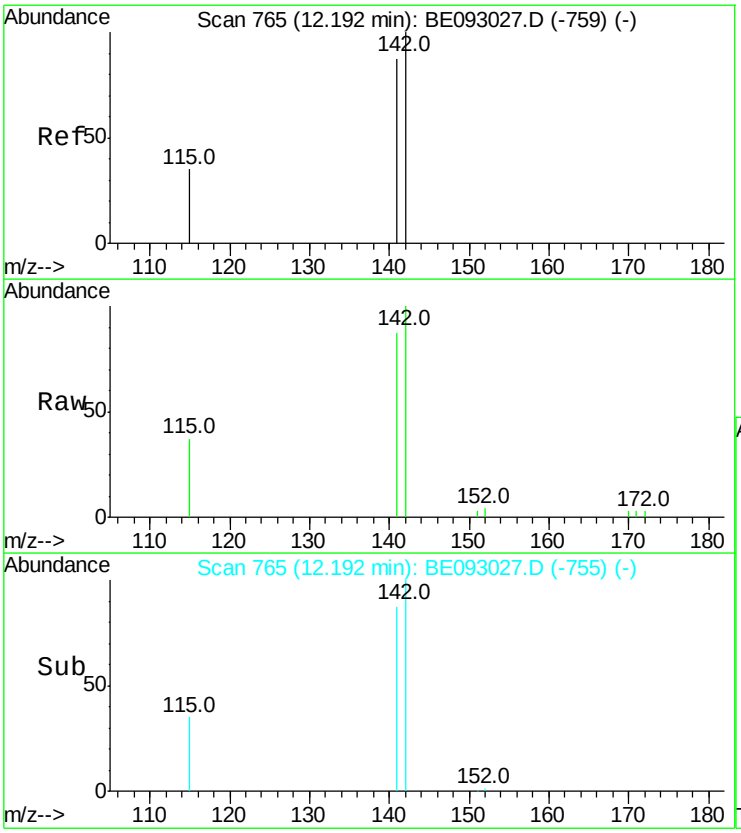
#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.12 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2019

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.1	22.7

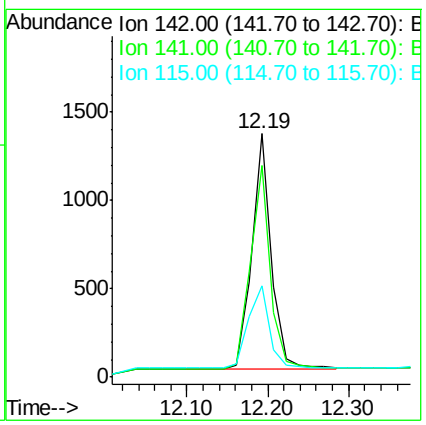


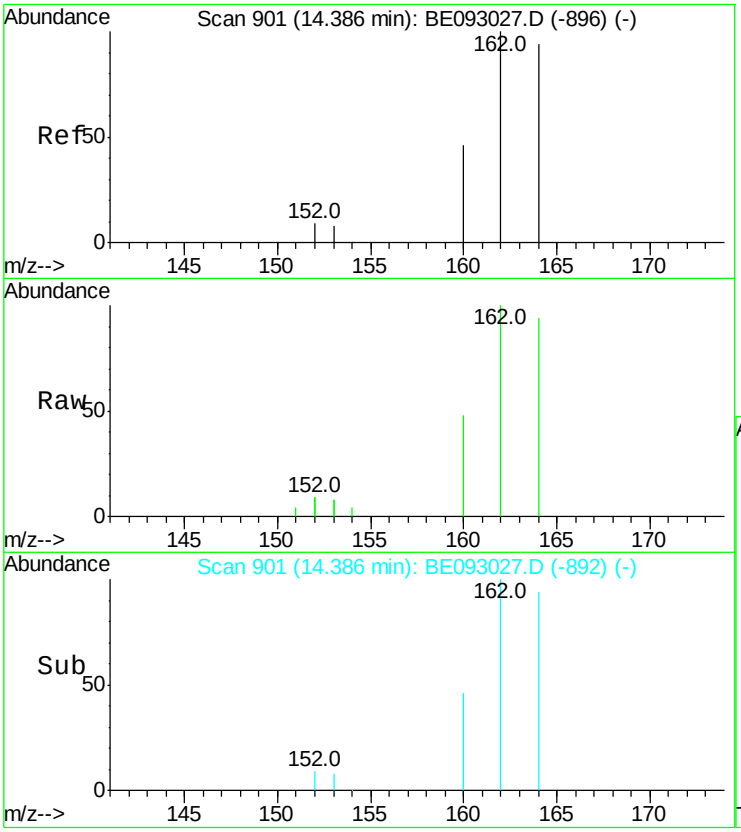


#12
2-Methylnaphthalene
Concen: 0.37 ng
RT: 12.19 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:142 Resp: 2224

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.6	108.8
115	37.5	32.2	48.2



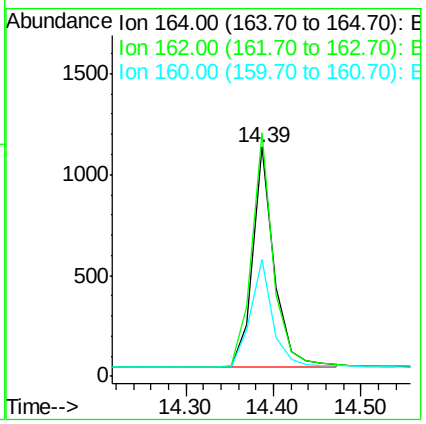


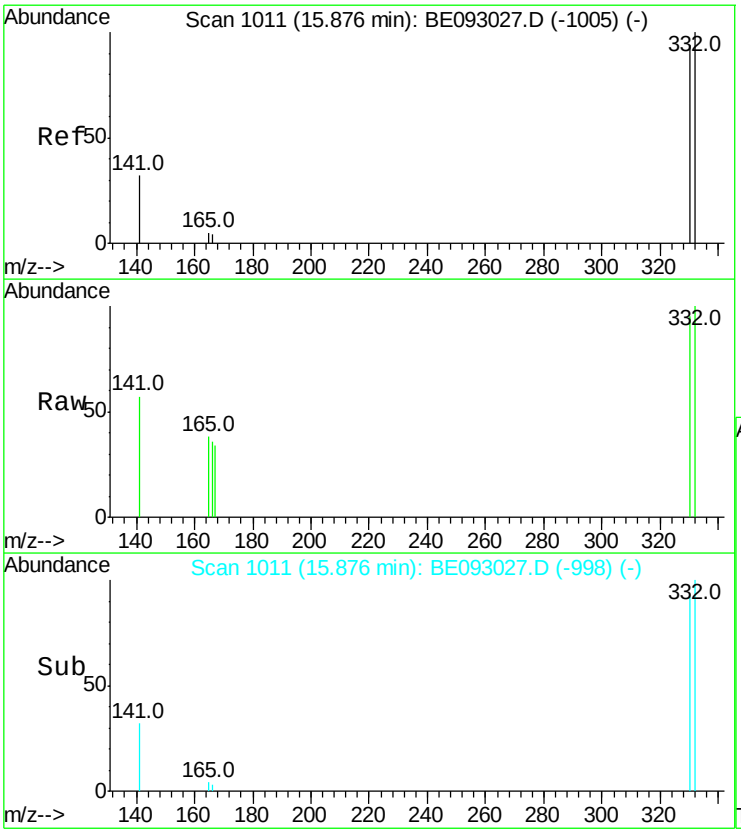
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 1884

Ion	Ratio	Lower	Upper
164	100		
162	106.2	84.6	127.0
160	50.7	41.8	62.6

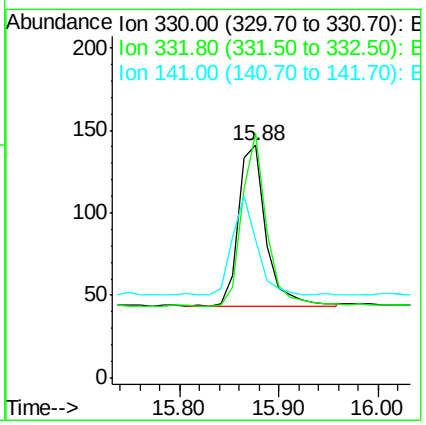


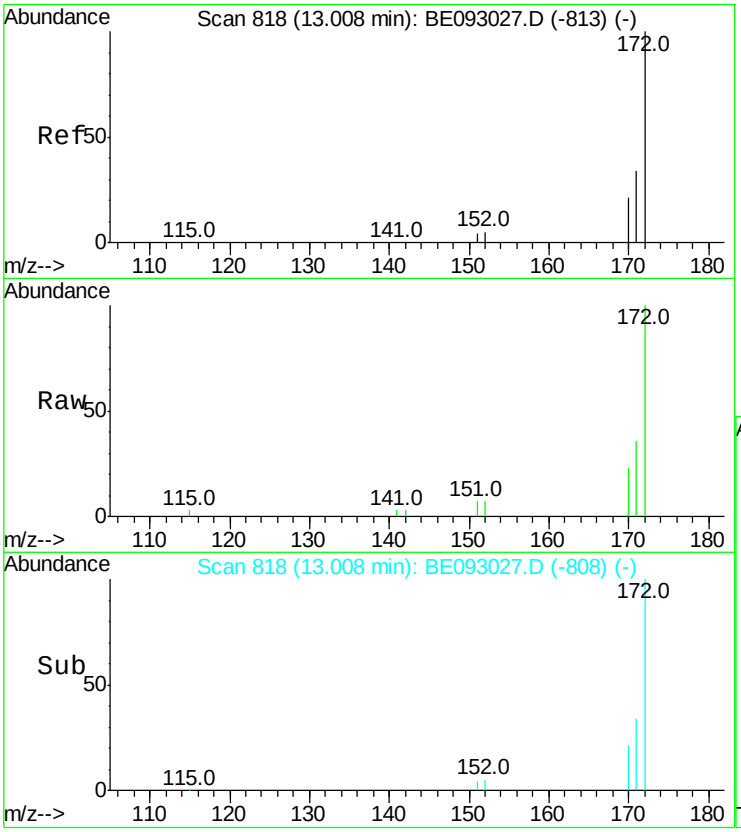


#14
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:330 Resp: 192

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	53.6	56.2	84.4#



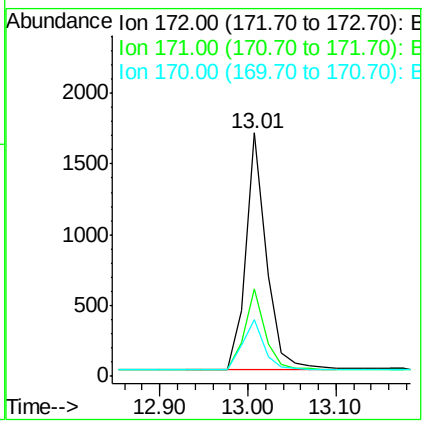


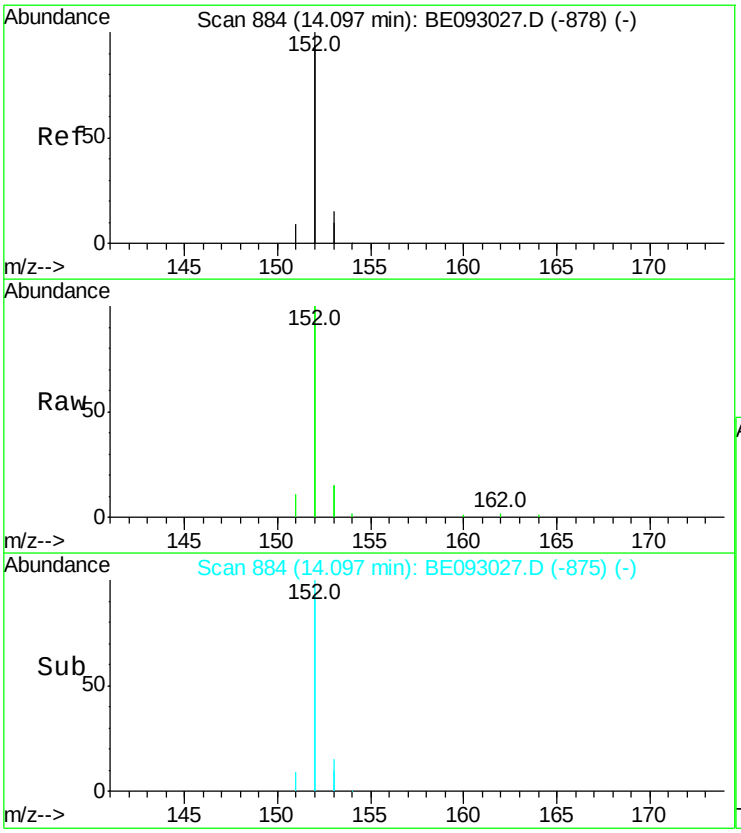
#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.01 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 2780

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	23.5	20.7	31.1

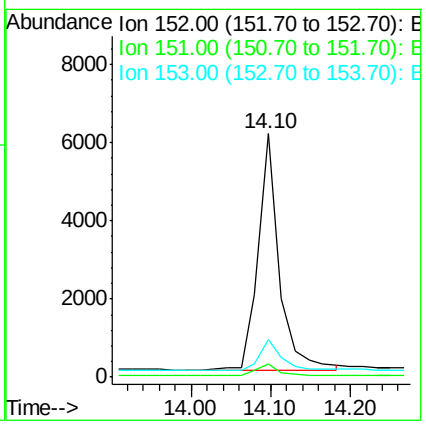


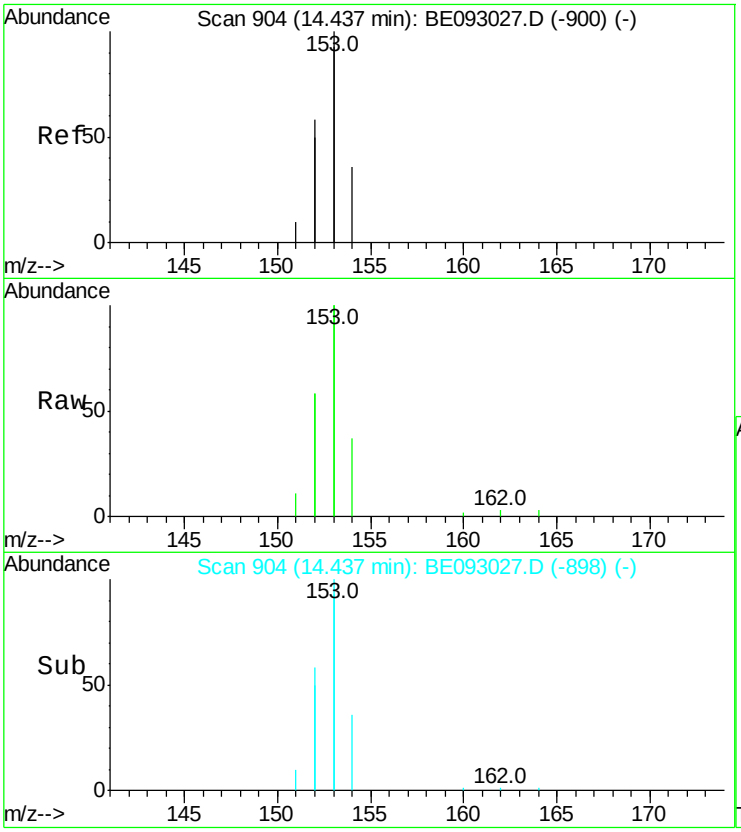


#16
Acenaphthylene
Concen: 0.35 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:152 Resp: 11203

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.1	10.3	15.5



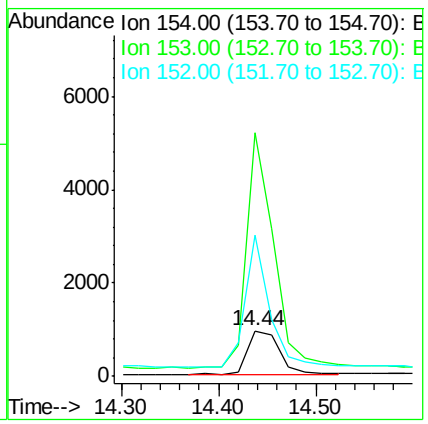


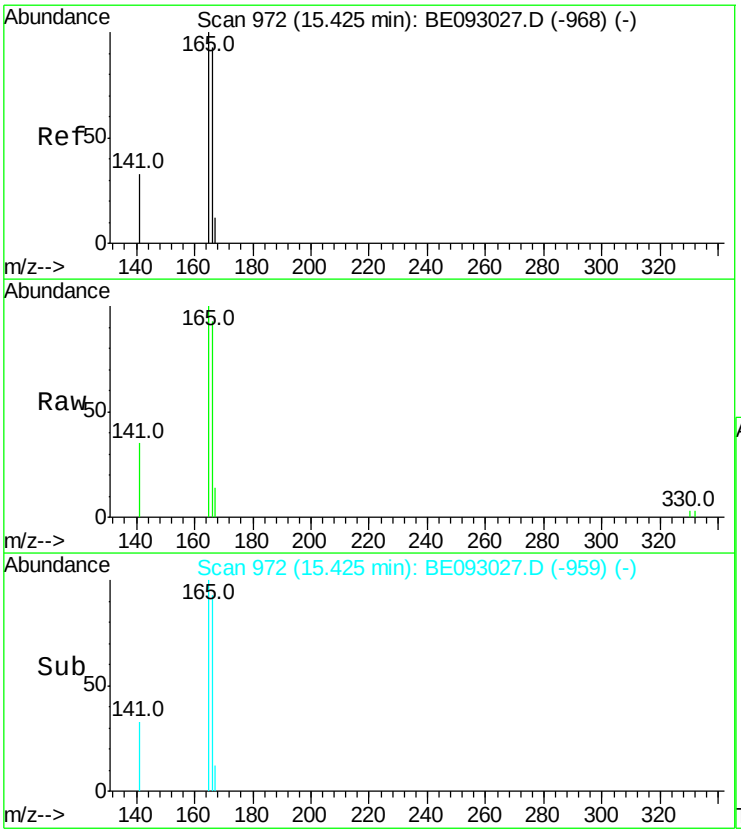
#17
Acenaphthene
Concen: 0.36 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 2084

Ion	Ratio	Lower	Upper
154	100		
153	463.1	367.8	551.6
152	231.6	188.2	282.2

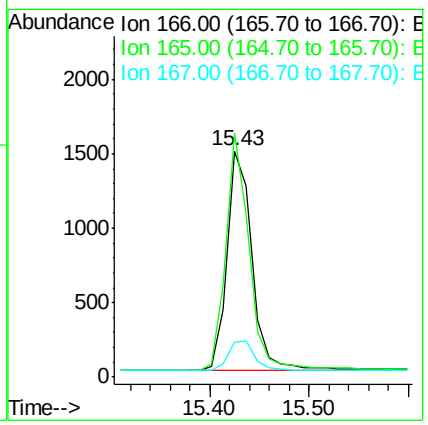


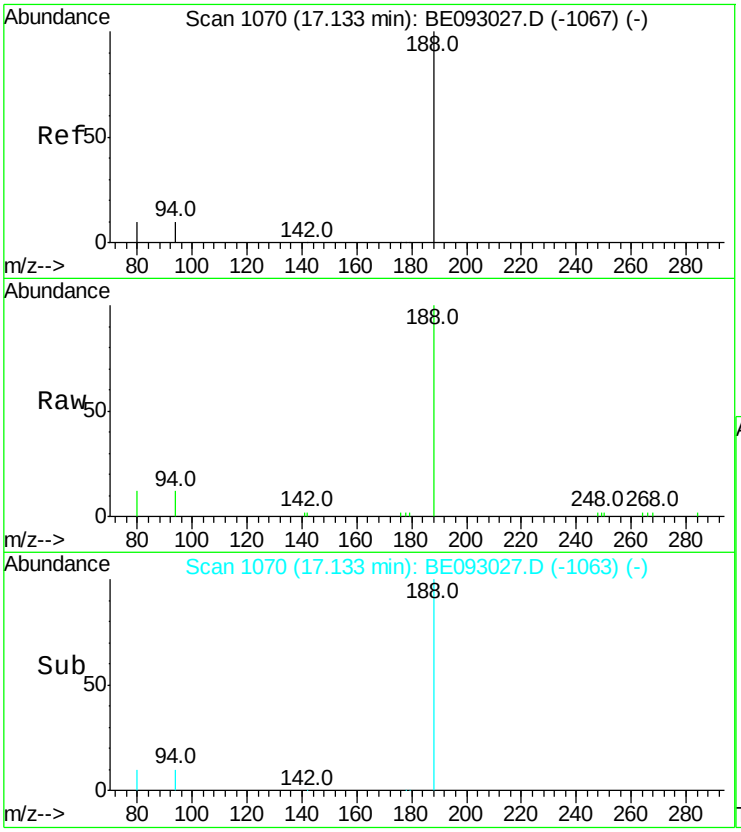


#18
Fluorene
Concen: 0.35 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:166 Resp: 2567

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.6	117.8
167	14.1	11.1	16.7



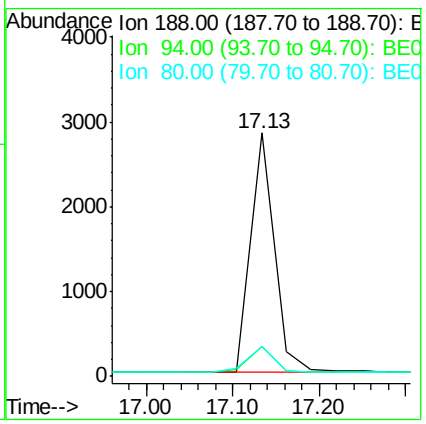


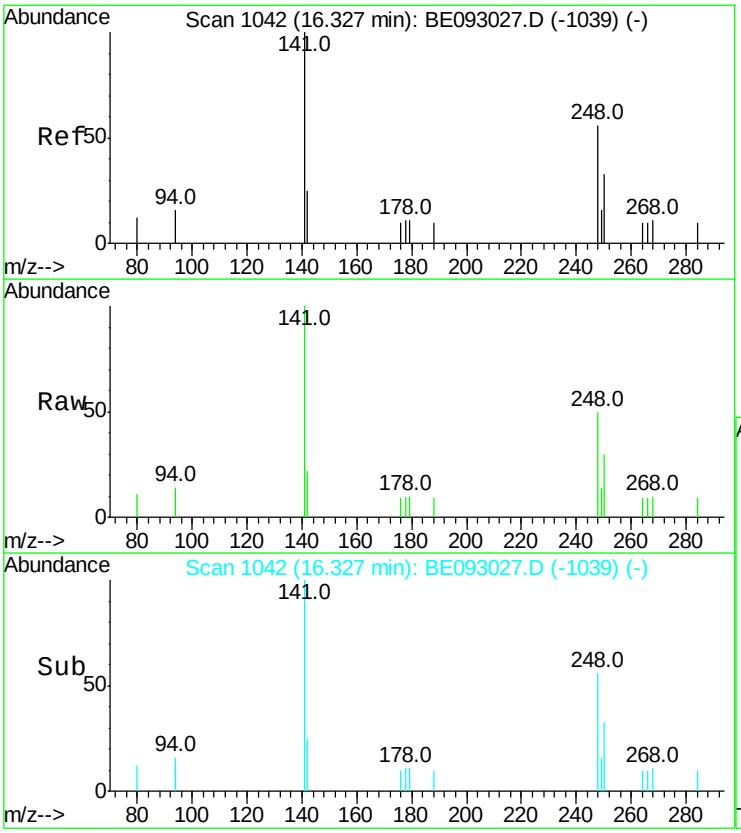
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 5433

Ion	Ratio	Lower	Upper
188	100		
94	12.0	11.3	16.9
80	12.0	11.7	17.5

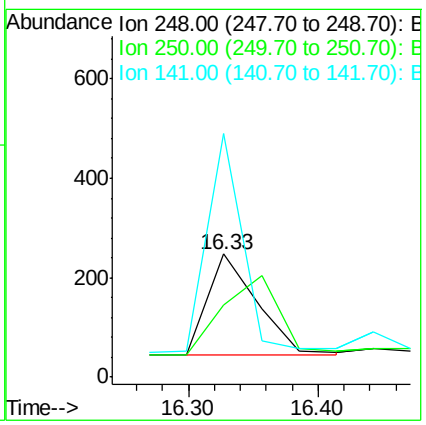


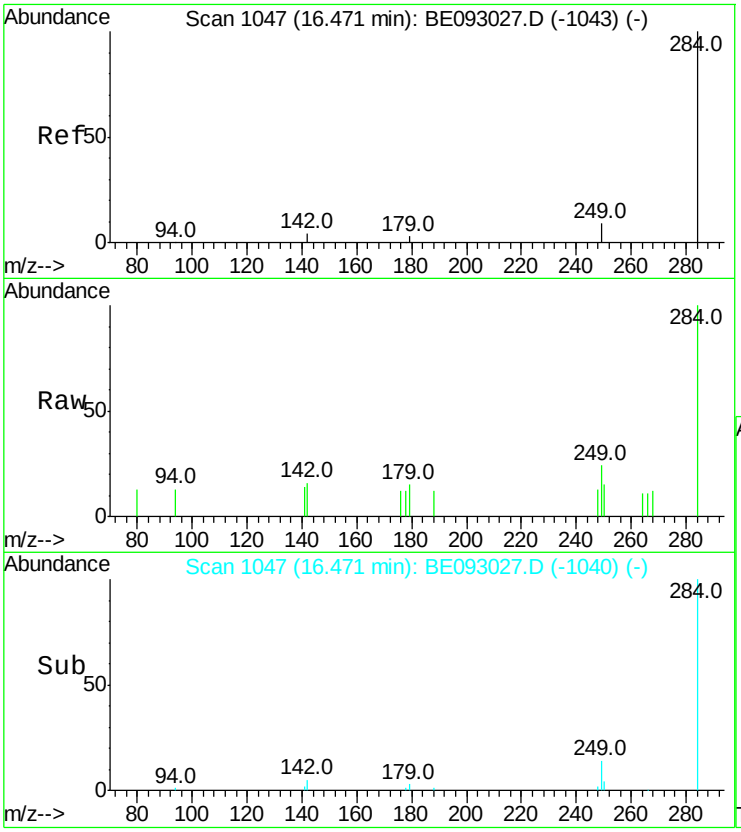


#20
4-Bromophenyl-phenylether
Concen: 0.31 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:248 Resp: 539

Ion	Ratio	Lower	Upper
248	100		
250	58.7	100.0	150.0#
141	198.4	40.0	60.0#



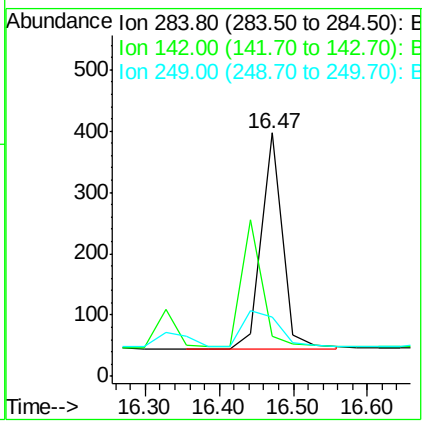


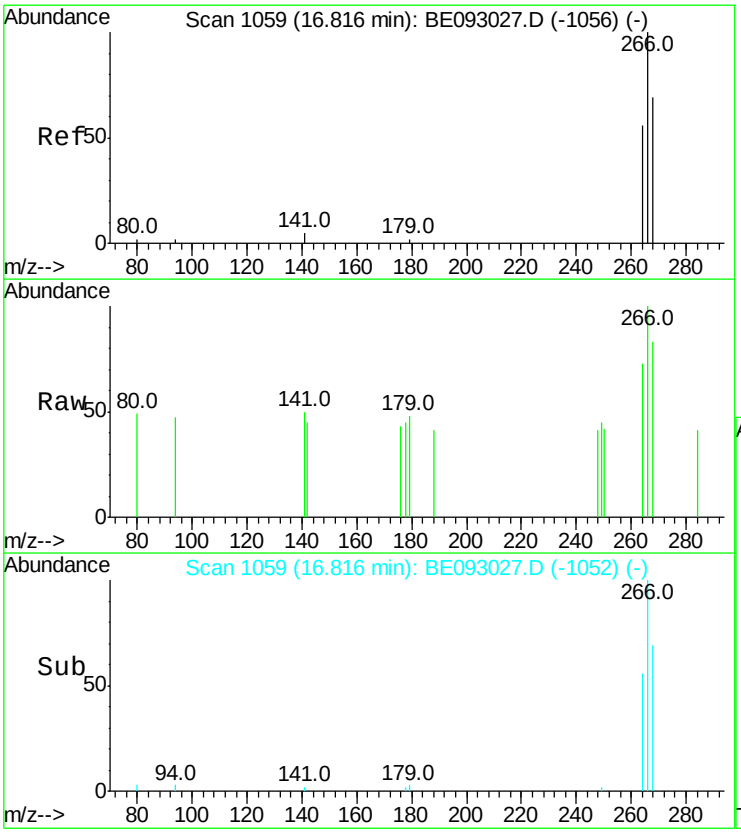
#21
Hexachlorobenzene
Concen: 0.27 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 706

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

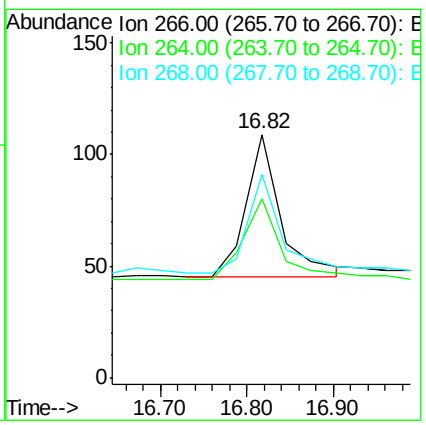


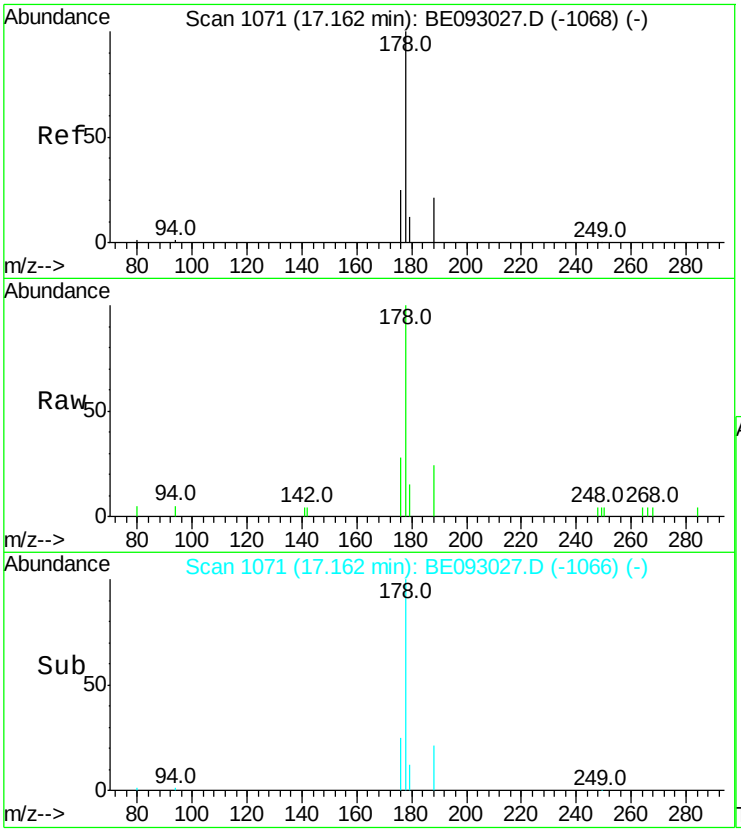


#22
Pentachlorophenol
Concen: 0.28 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:266 Resp: 181

Ion	Ratio	Lower	Upper
266	100		
264	73.4	58.2	87.2
268	83.5	71.9	107.9



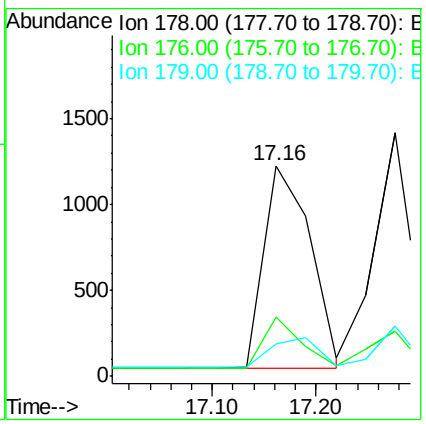


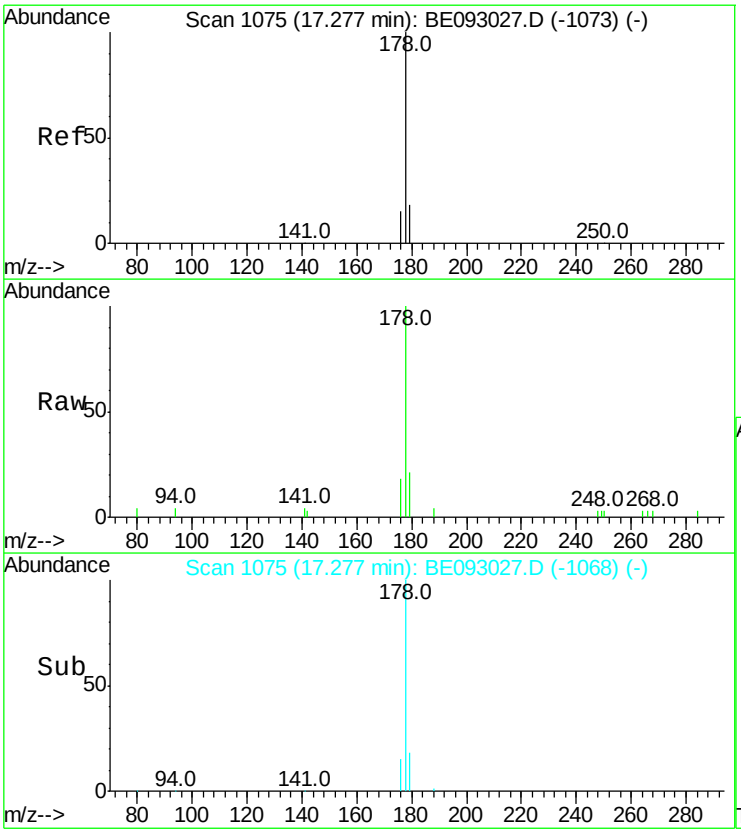
#23
Phenanthrene
Concen: 0.28 ng
RT: 17.16 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 3670

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.0	22.4
179	0.0	12.7	19.1#

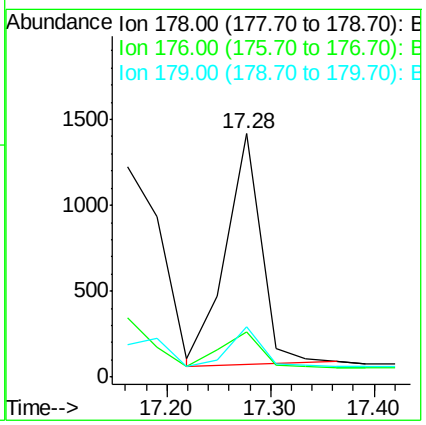


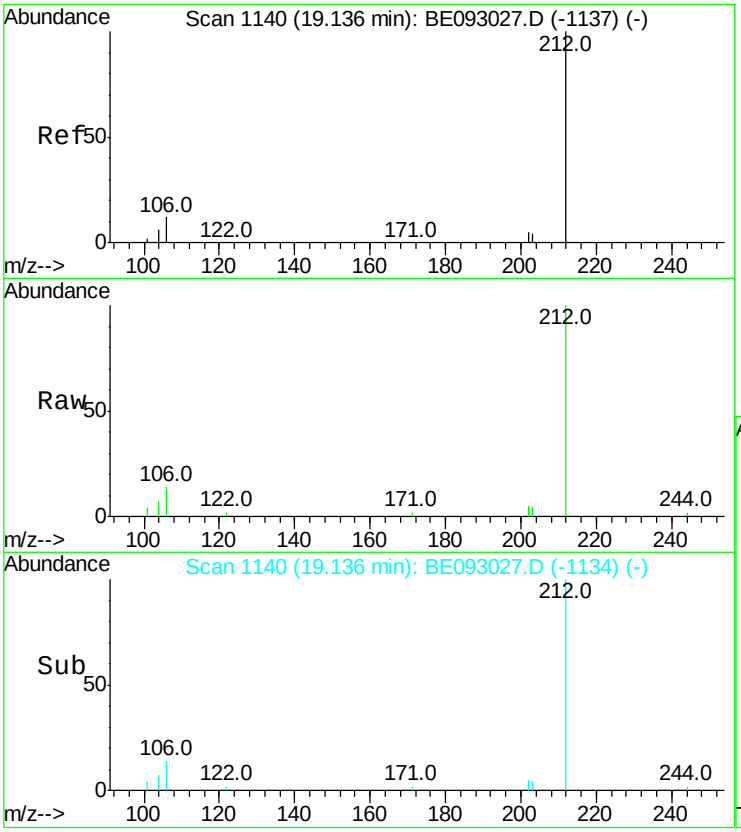


#24
Anthracene
Concen: 0.29 ng
RT: 17.28 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:178 Resp: 3237

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	16.3	12.0	18.0



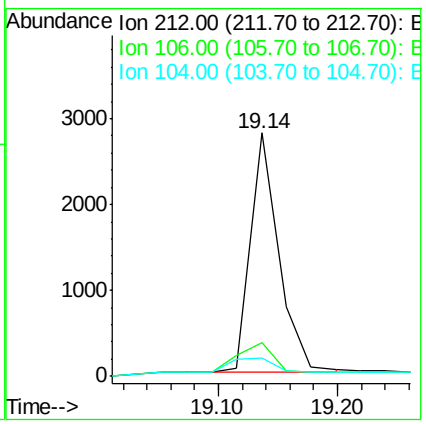


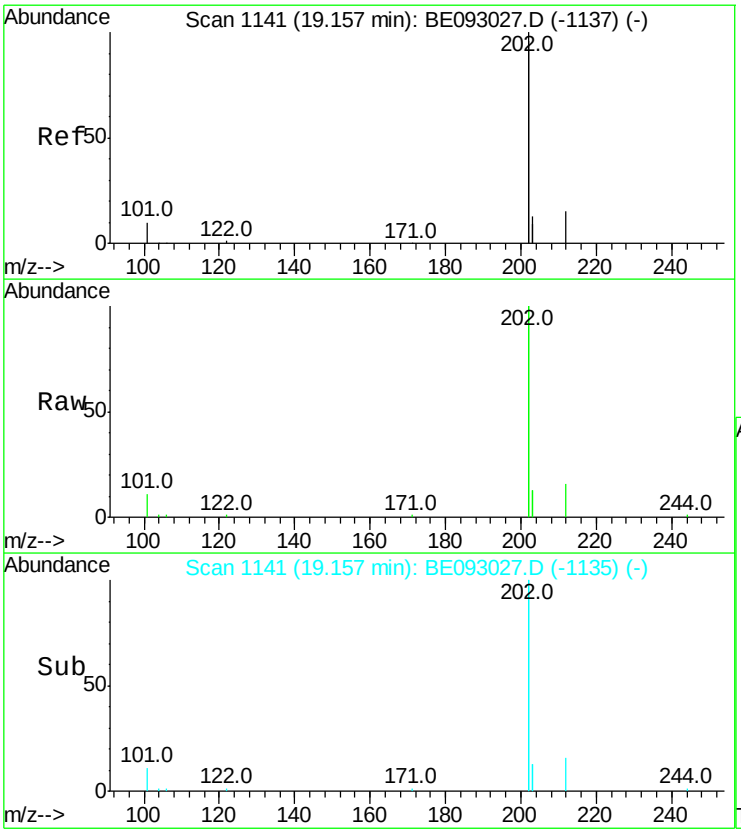
#25
Fluoranthene-d10
Concen: 0.32 ng
RT: 19.14 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 4626

Ion	Ratio	Lower	Upper
212	100		
106	15.6	0.0	0.0#
104	8.8	0.0	0.0#

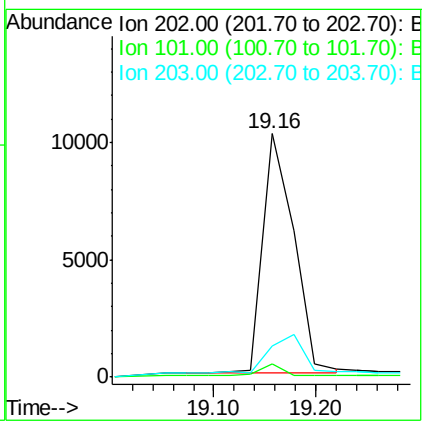


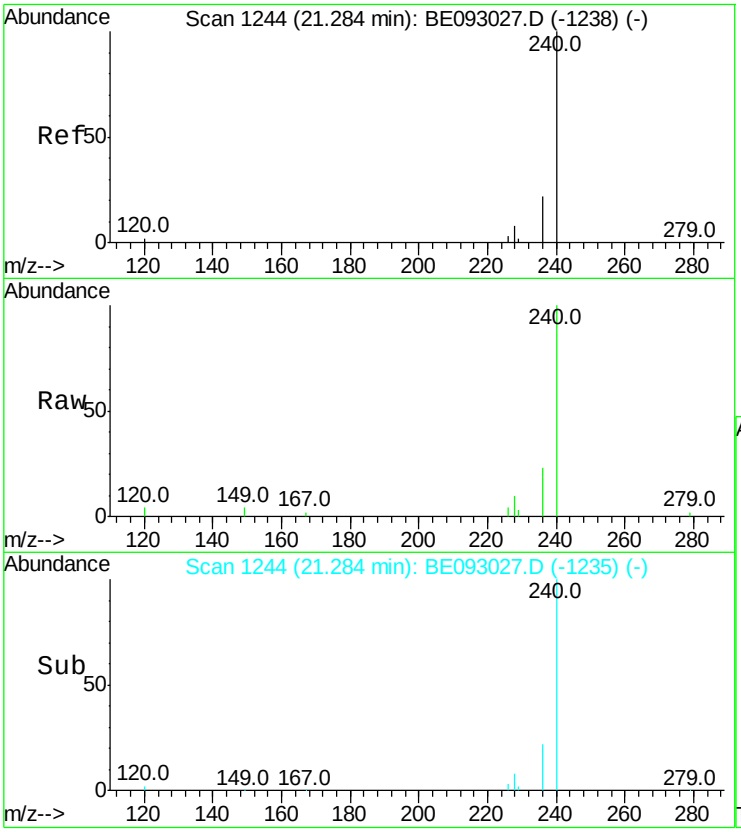


#26
Fluoranthene
Concen: 0.30 ng
RT: 19.16 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:202 Resp: 21109

Ion	Ratio	Lower	Upper
202	100		
101	3.7	0.0	0.0#
203	0.0	14.4	21.6#



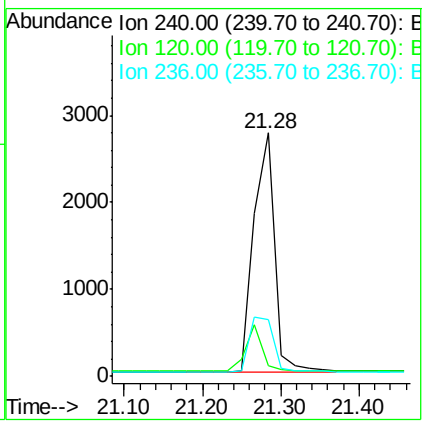


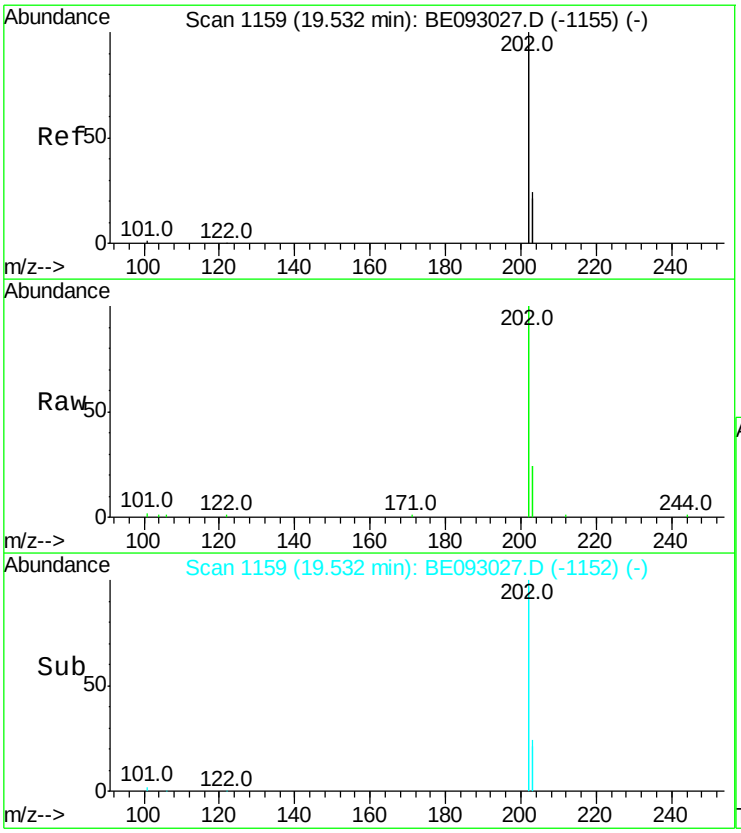
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 5164

Ion	Ratio	Lower	Upper
240	100		
120	4.2	4.6	7.0#
236	23.3	20.8	31.2

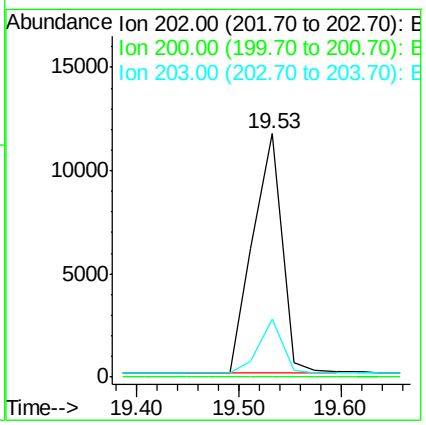


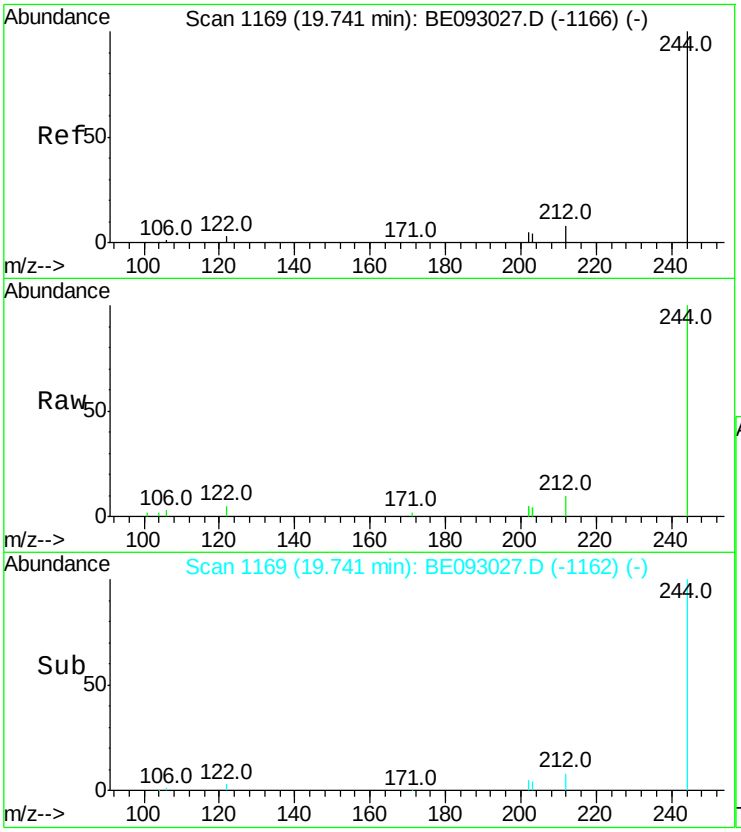


#28
Pyrene
Concen: 0.35 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:202 Resp: 22939

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	18.4	13.7	20.5



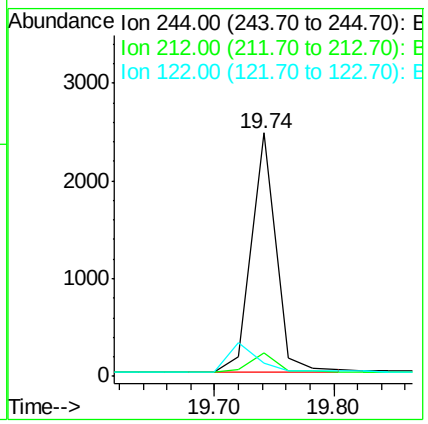


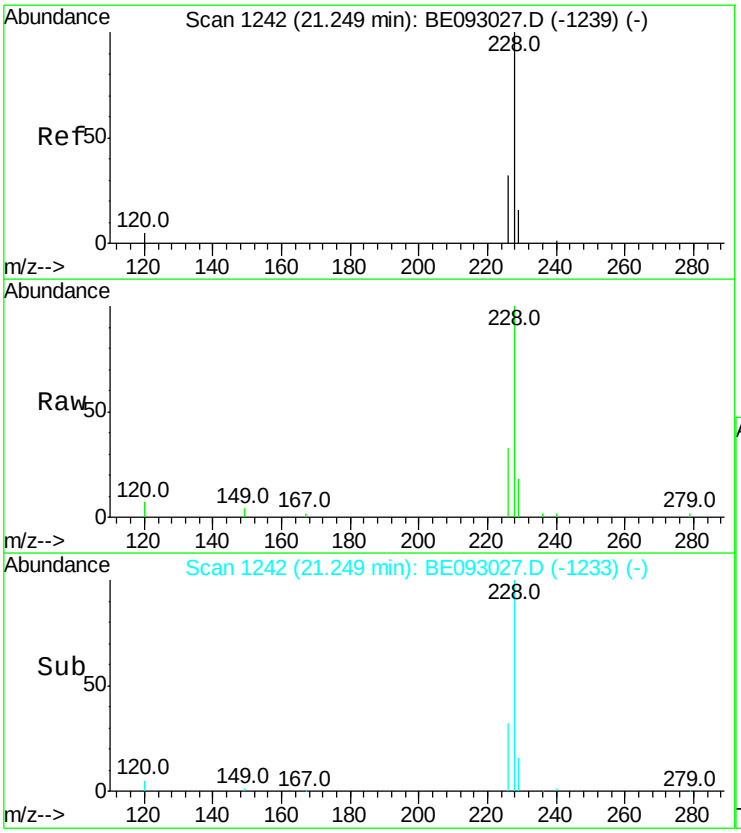
#29
Terphenyl-d14
Concen: 0.38 ng
RT: 19.74 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 3523

Ion	Ratio	Lower	Upper
244	100		
212	9.6	10.6	16.0#
122	5.2	15.4	23.0#

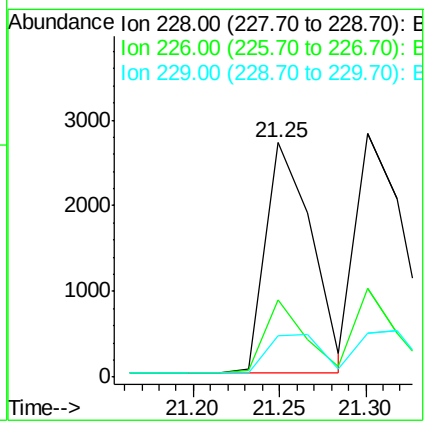


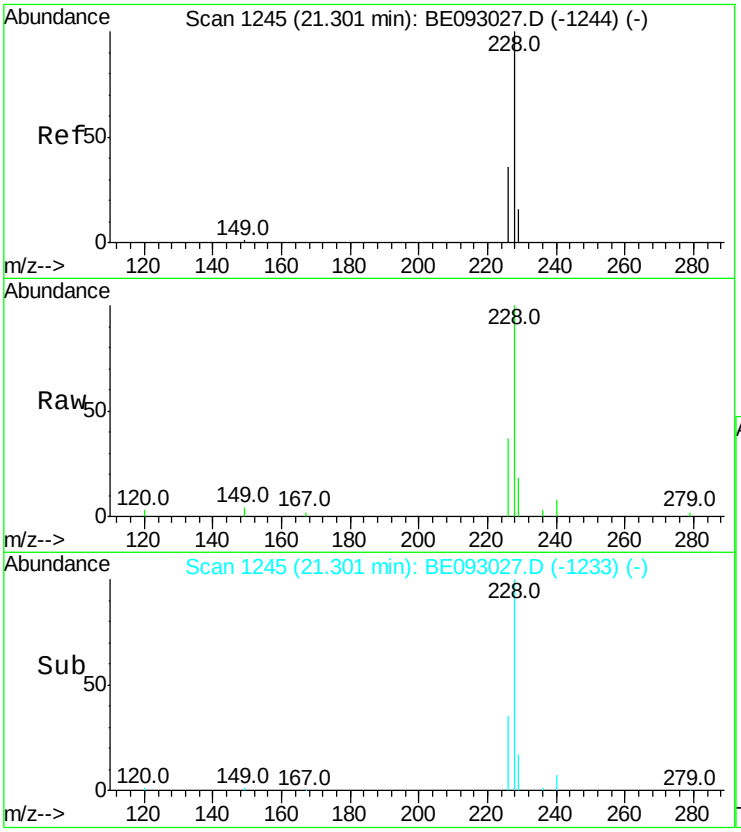


#30
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.25 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:228 Resp: 5024

Ion	Ratio	Lower	Upper
228	100		
226	32.8	19.7	29.5#
229	17.5	19.2	28.8#



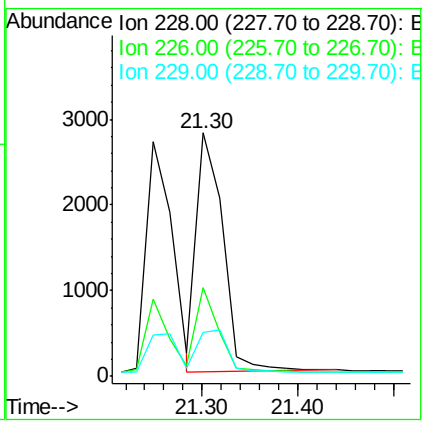


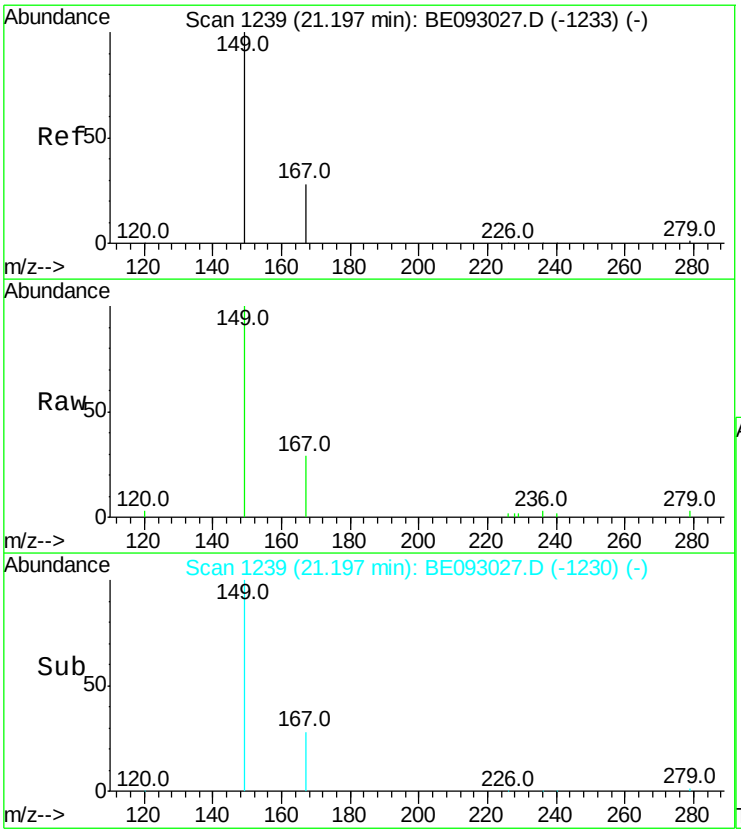
#31
Chrysene
Concen: 0.34 ng
RT: 21.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 5338

Ion	Ratio	Lower	Upper
228	100		
226	36.5	21.5	32.3#
229	17.9	18.6	28.0#

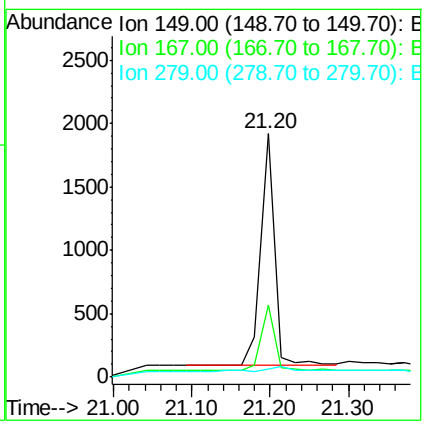


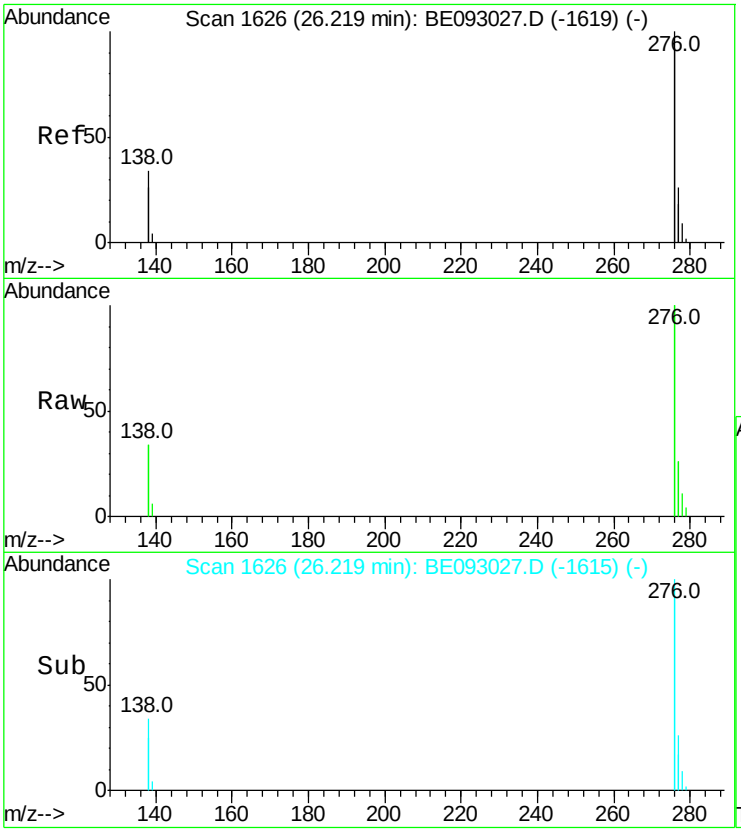


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.20 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:149 Resp: 2279

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



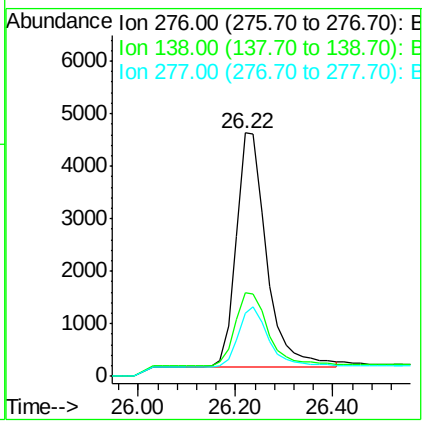


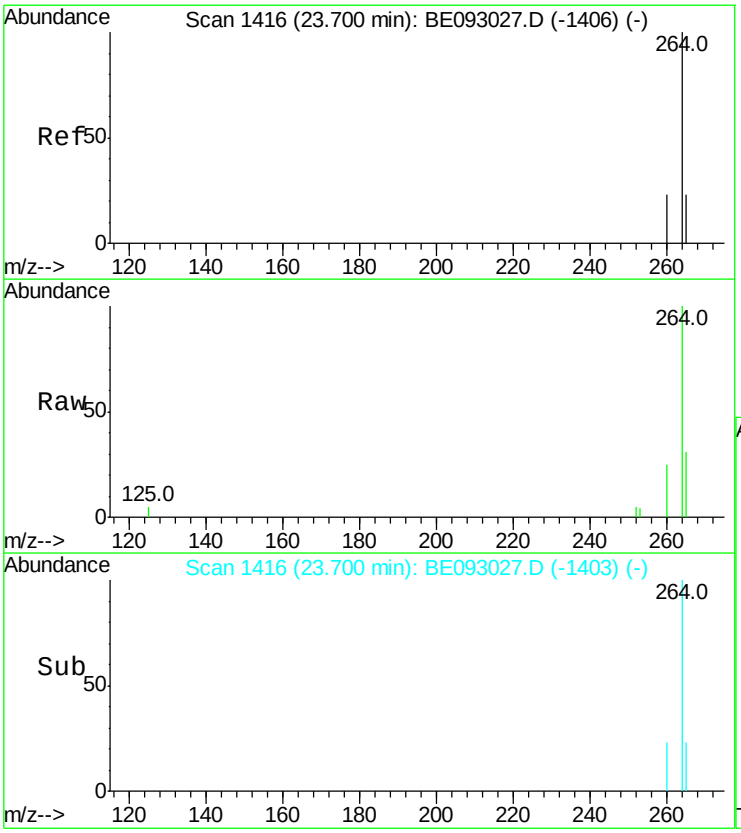
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.38 ng
RT: 26.22 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 19395

Ion	Ratio	Lower	Upper
276	100		
138	33.7	27.4	41.2
277	25.1	20.1	30.1

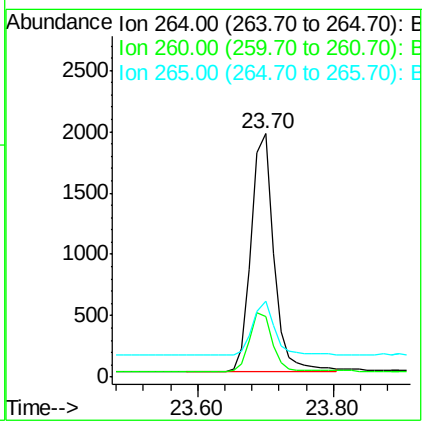


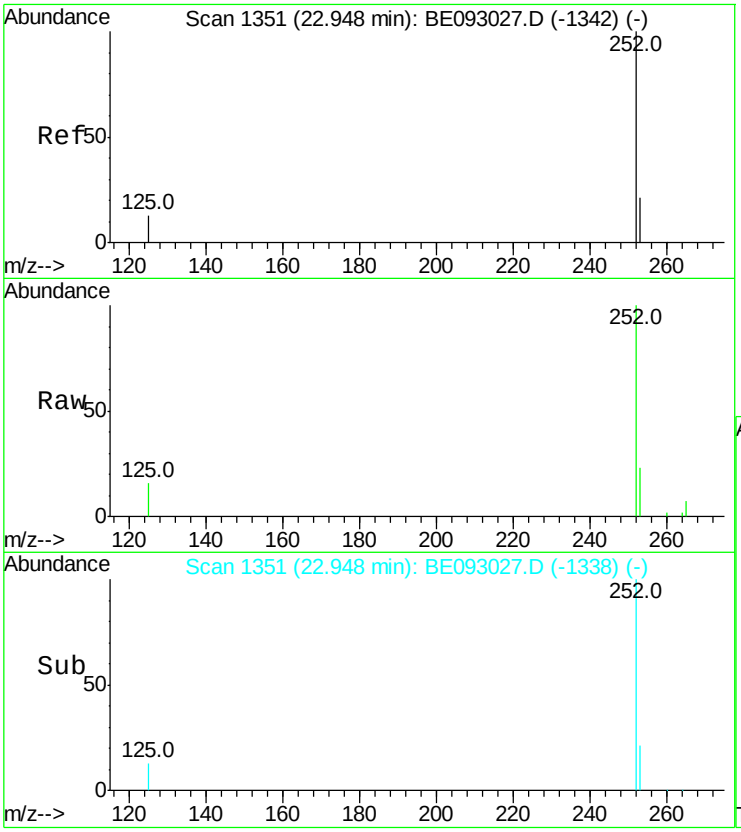


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.70 min Scan# 1416
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:264 Resp: 4429

Ion	Ratio	Lower	Upper
264	100		
260	25.1	21.0	31.4
265	31.3	24.6	36.8



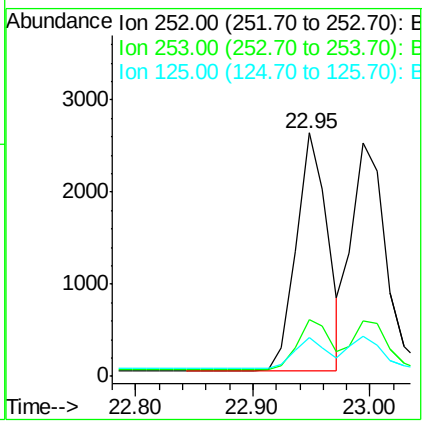


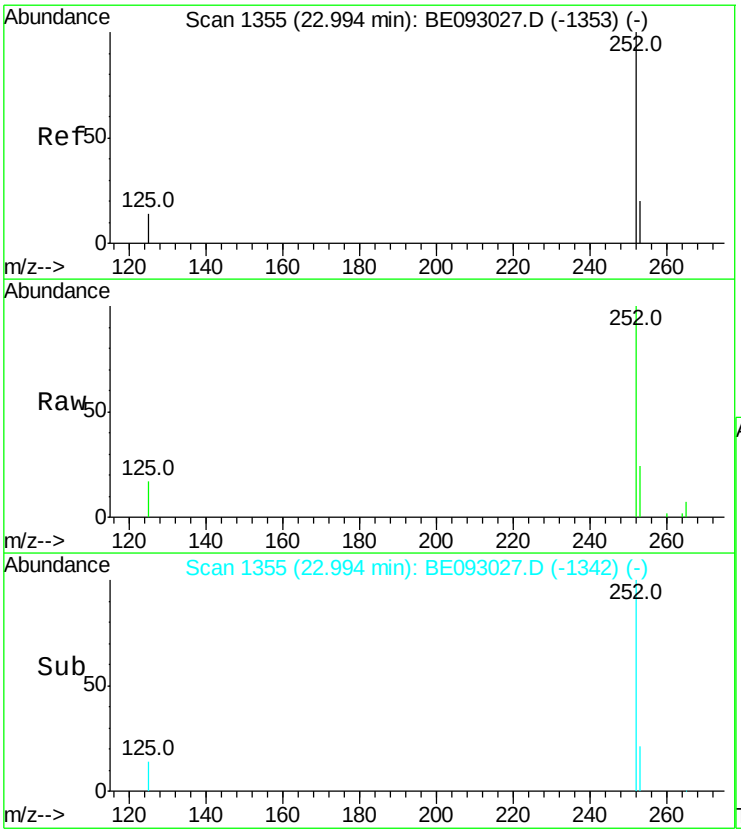
#35
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 4791

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	15.7	13.4	20.0

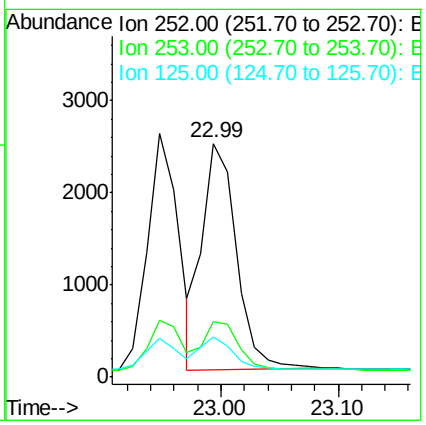


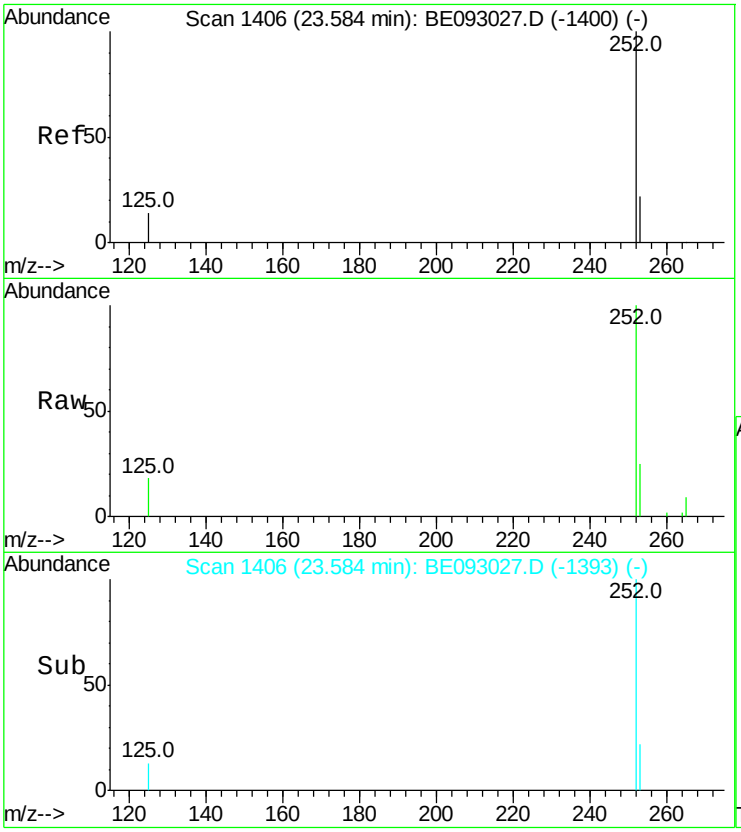


#36
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 22.99 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:252 Resp: 4951

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.3	30.5
125	17.1	12.2	18.4



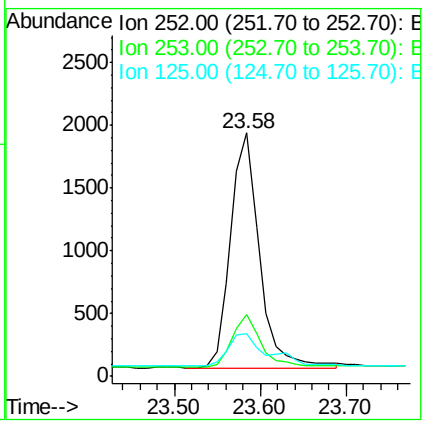


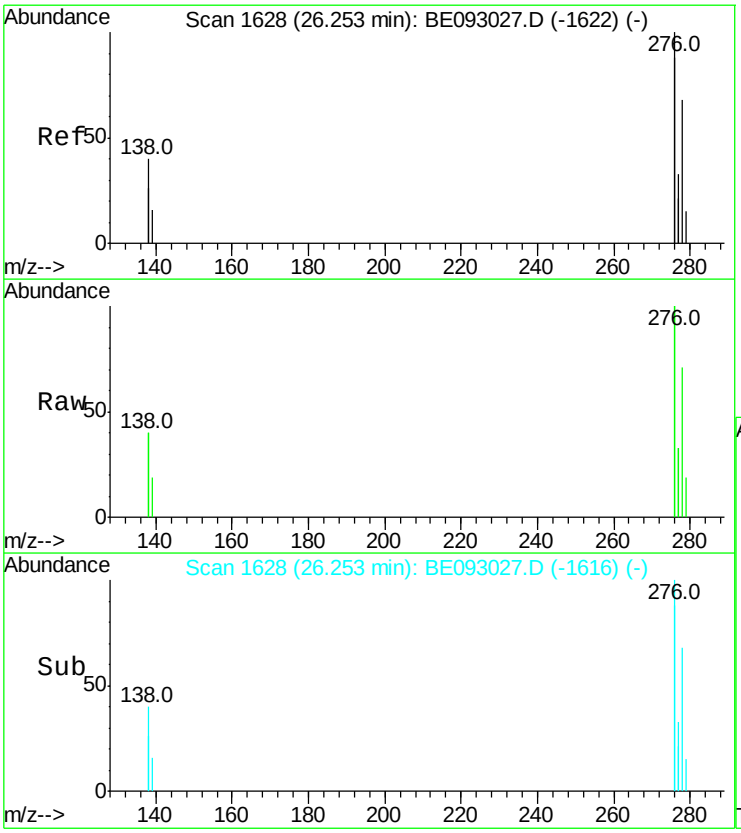
#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.58 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 4382

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.9	29.9
125	17.5	14.6	21.8

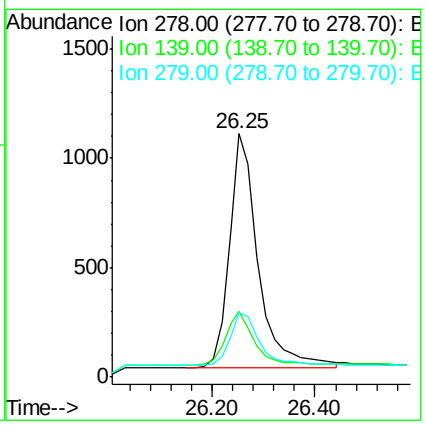


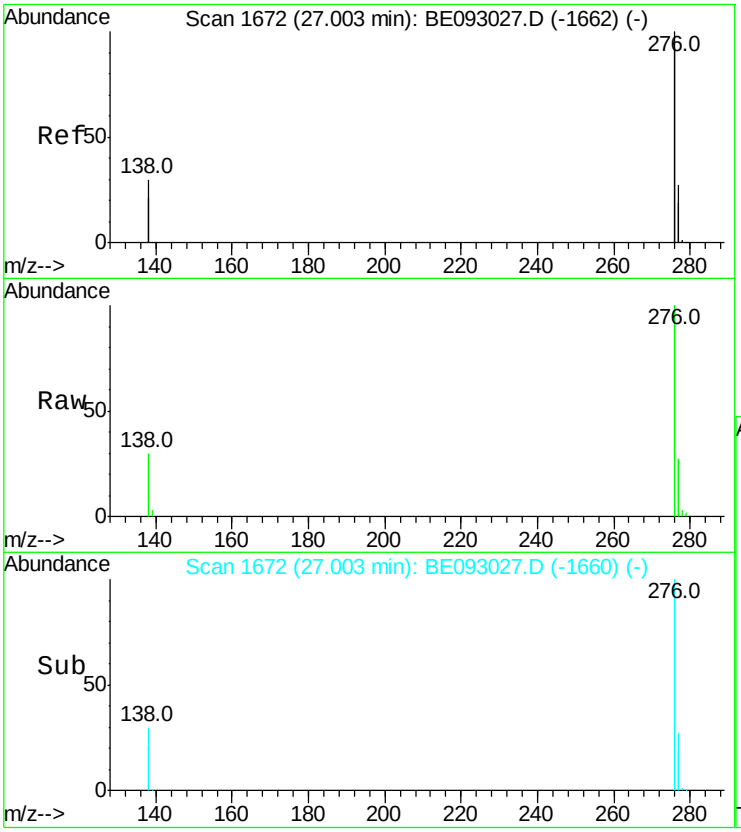


#38
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Tgt Ion:278 Resp: 4126

Ion	Ratio	Lower	Upper
278	100		
139	27.0	21.4	32.0
279	26.4	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 27.00 min Scan# 1672
Delta R.T. 0.00 min
Lab File: BE093027.D
Acq: 15 May 2017 10:24

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 18161

Ion	Ratio	Lower	Upper
276	100		
277	26.6	21.2	31.8
138	29.6	24.5	36.7