Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
Data File : BE095692.D
Acq On : 26 Feb 2018 17:07
Operator : SJ/JU
Sample : PB106832BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB106832BS

Quant Time: Feb 26 17:55:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1495	0.40	ng		-0.01
7) Naphthalene-d8	11.26	136	5305	0.40	ng		-0.02
13) Acenaphthene-d10	15.00	164	2644	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	5933	0.40	ng		0.01
27) Chrysene-d12	21.79	240	6830	0.40	ng		0.00
34) Perylene-d12	24.43	264	6394	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	1131	0.29	ng		0.00
5) Phenol-d6	7.55	99	1448	0.26	ng		0.00
8) Nitrobenzene-d5	9.60	82	1463	0.27	ng		-0.02
11) 2-Methylnaphthalene-d10	12.80	152	2250	0.25	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	215	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	3163	0.27	ng		0.00
25) Fluoranthene-d10	19.69	212	22179	0.29	ng		0.00
29) Terphenyl-d14	20.25	244	3482	0.26	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	567	0.241	ng	#	1
3) n-Nitrosodimethylamine	3.99	42	791	0.271	ng	#	82
6) bis(2-Chloroethyl)ether	7.82	93	1432	0.255	ng		94
9) Naphthalene	11.31	128	15961	0.261	ng		99
10) Hexachlorobutadiene	11.57	225	944	0.265	ng		97
12) 2-Methylnaphthalene	12.88	142	2604	0.247	ng		99
16) Acenaphthylene	14.74	152	3600	0.242	ng		99
17) Acenaphthene	15.06	154	2270	0.243	ng		96
18) Fluorene	16.02	166	2844	0.246	ng	#	79
20) 4-Bromophenyl-phenylether	16.89	248	907	0.244	ng	#	70
21) Hexachlorobenzene	17.03	284	932	0.242	ng	#	81
22) Pentachlorophenol	17.36	266	456	0.501	ng	#	75
23) Phenanthrene	17.74	178	4901	0.264	ng		98
24) Anthracene	17.83	178	4468	0.262	ng		96
26) Fluoranthene	19.71	202	6175	0.271	ng		97
28) Pyrene	20.06	202	6509	0.233	ng		96
30) Benzo(a)anthracene	21.78	228	5891	0.264	ng		99
31) Chrysene	21.84	228	5901	0.266	ng		99
32) Bis(2-ethylhexyl)phthalate	21.65	149	10974	0.278	ng		99
33) Indeno(1,2,3-cd)pyrene	27.23	276	5915	0.275	ng		94
35) Benzo(b)fluoranthene	23.61	252	5651	0.248	ng	#	91
36) Benzo(k)fluoranthene	23.66	252	5826	0.257	ng	#	93
37) Benzo(a)pyrene	24.30	252	5346	0.260	ng	#	94
38) Dibenzo(a,h)anthracene	27.25	278	4715	0.258	ng		96
39) Benzo(g,h,i)perylene	28.10	276	5176	0.264	ng	#	90

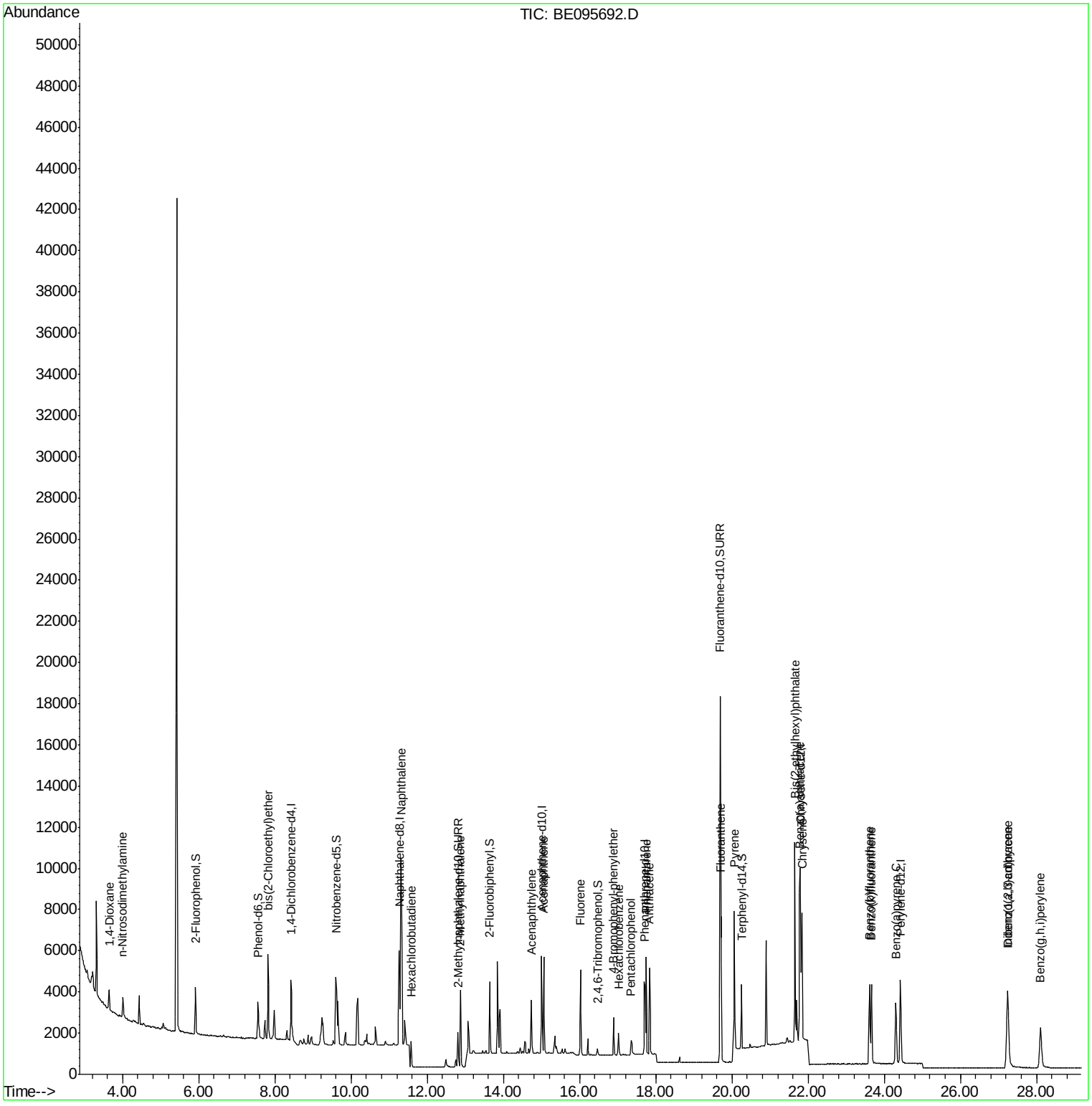
(#) = qualifier out of range (m) = manual integration (+) = signals summed

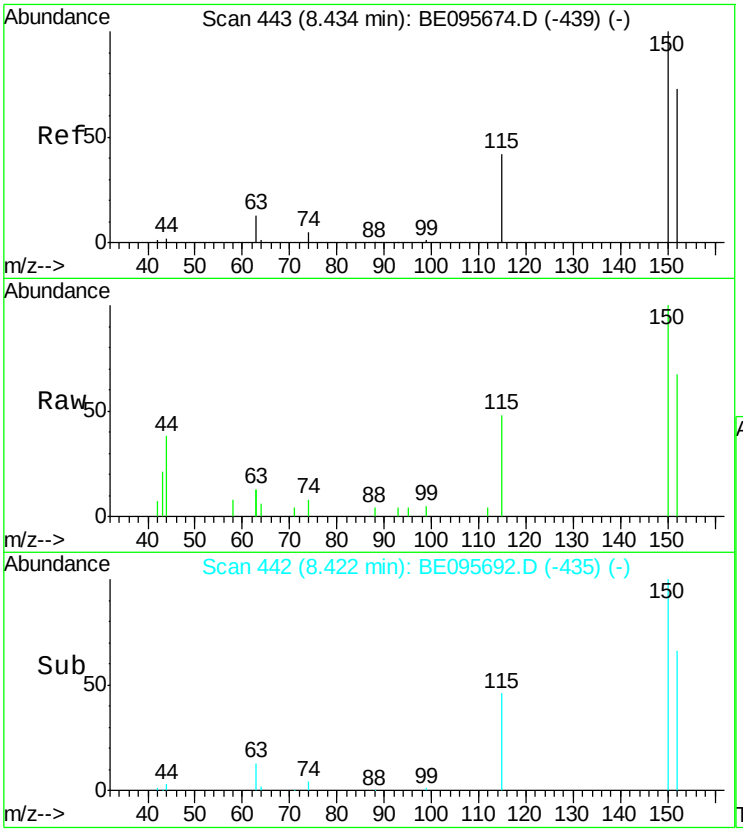
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
Data File : BE095692.D
Acq On : 26 Feb 2018 17:07
Operator : SJ/JU
Sample : PB106832BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Quant Time: Feb 26 17:55:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration



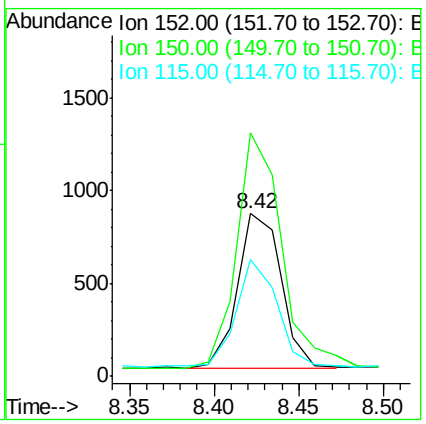


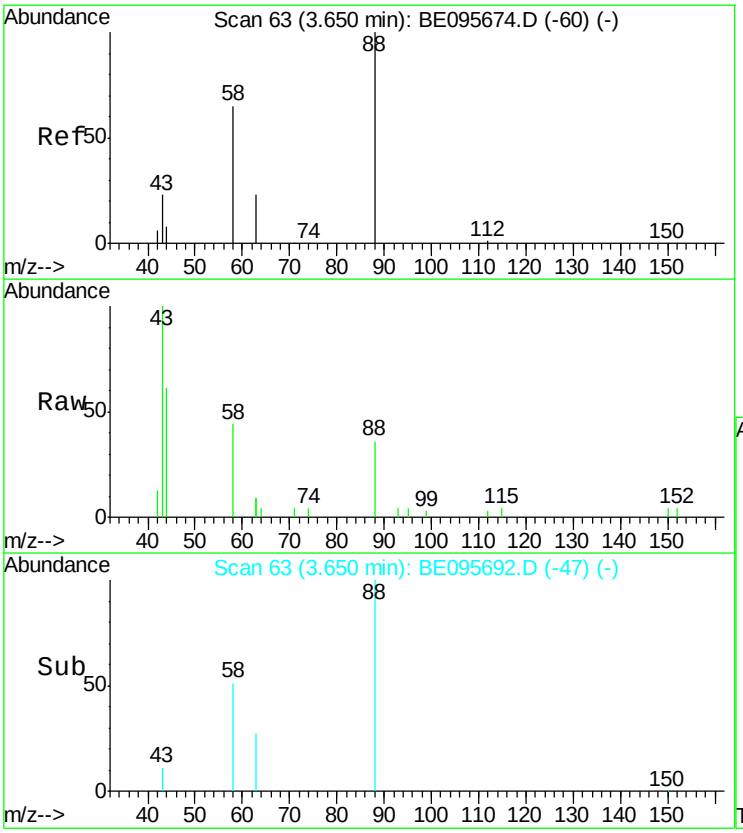
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:152 Resp: 1495

Ion	Ratio	Lower	Upper
152	100		
150	149.4	117.2	175.8
115	71.6	57.0	85.6

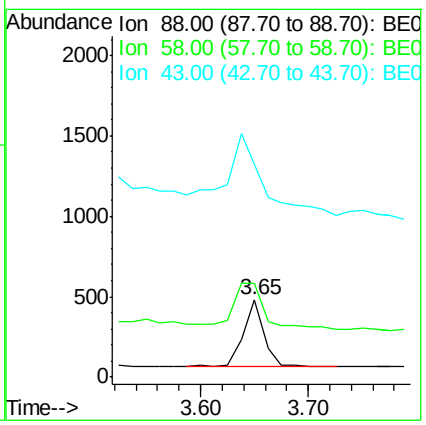


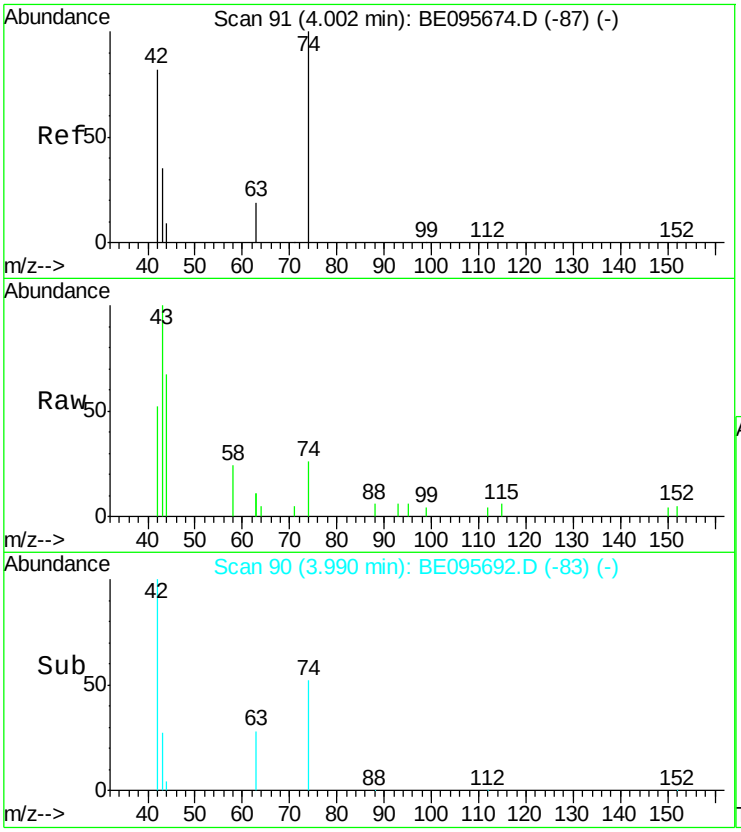


#2
1,4-Dioxane
Concen: 0.241 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion: 88 Resp: 567

Ion	Ratio	Lower	Upper
88	100		
58	102.5	63.2	94.8#
43	207.2	41.2	61.8#



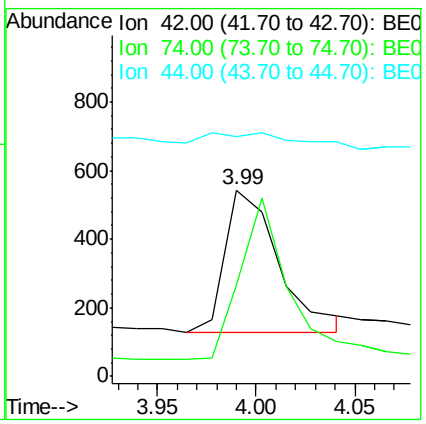


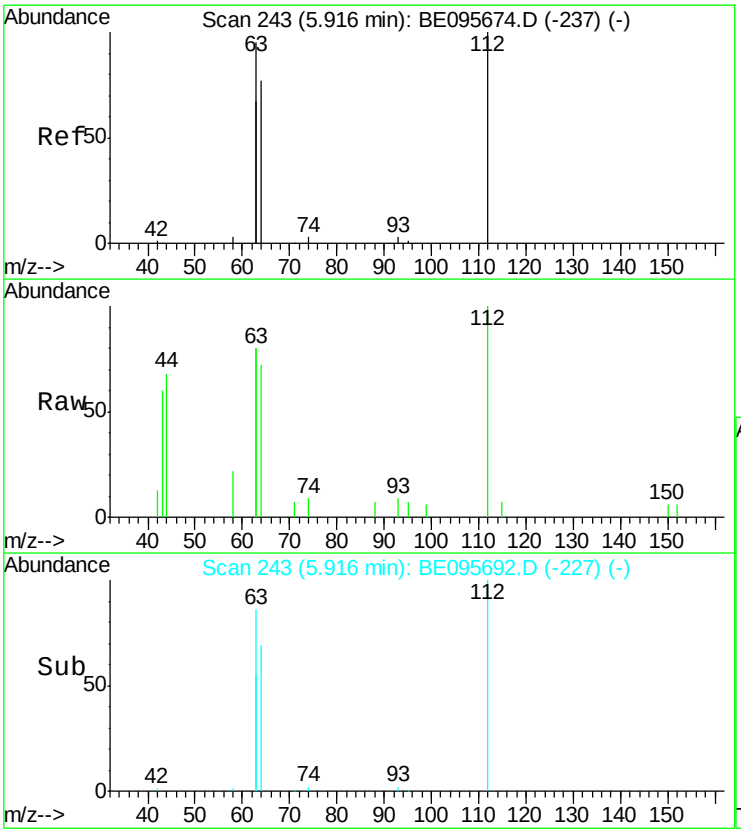
#3
n-Nitrosodimethylamine
Concen: 0.271 ng
RT: 3.99 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion: 42 Resp: 791

Ion	Ratio	Lower	Upper
42	100		
74	99.0	96.0	144.0
44	8.7	12.0	18.0#

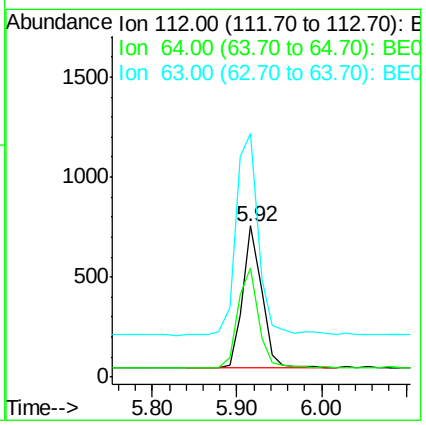


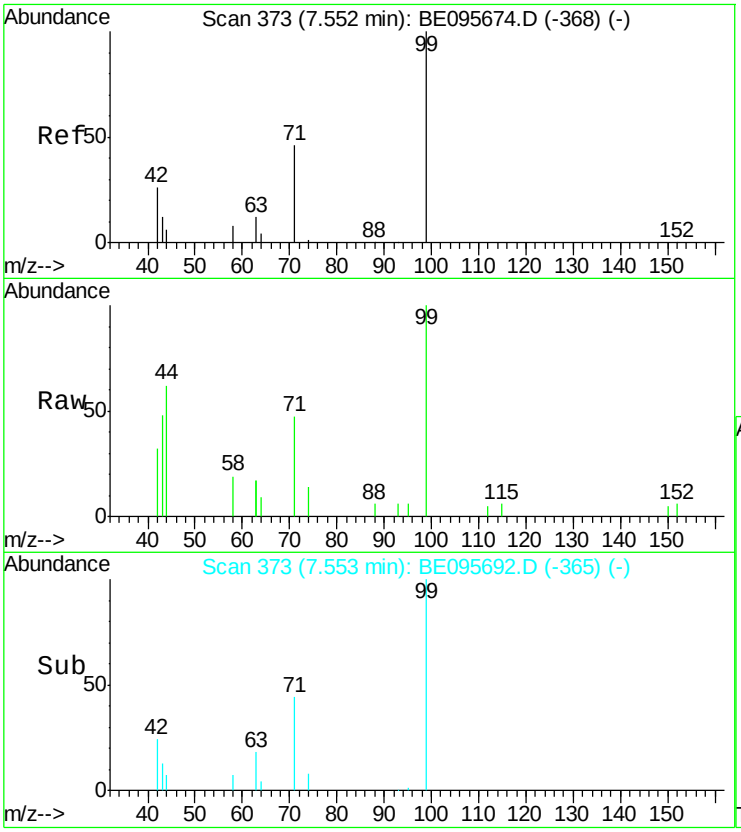


#4
2-Fluorophenol
Concen: 0.287 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:112 Resp: 1131

Ion	Ratio	Lower	Upper
112	100		
64	74.1	60.1	90.1
63	168.9	116.8	175.2



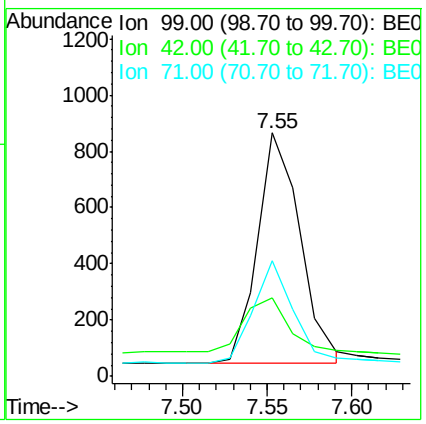


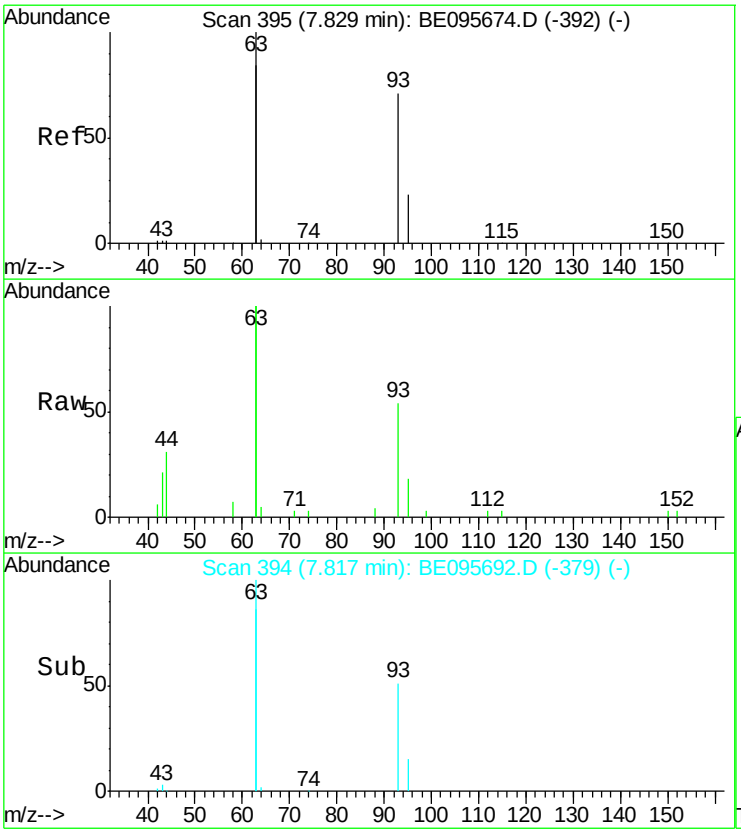
#5
Phenol-d6
Concen: 0.265 ng
RT: 7.55 min Scan# 373
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion: 99 Resp: 1448

Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.2	30.2
71	41.4	28.4	42.6

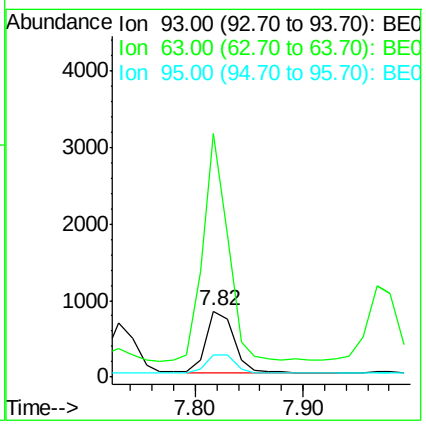


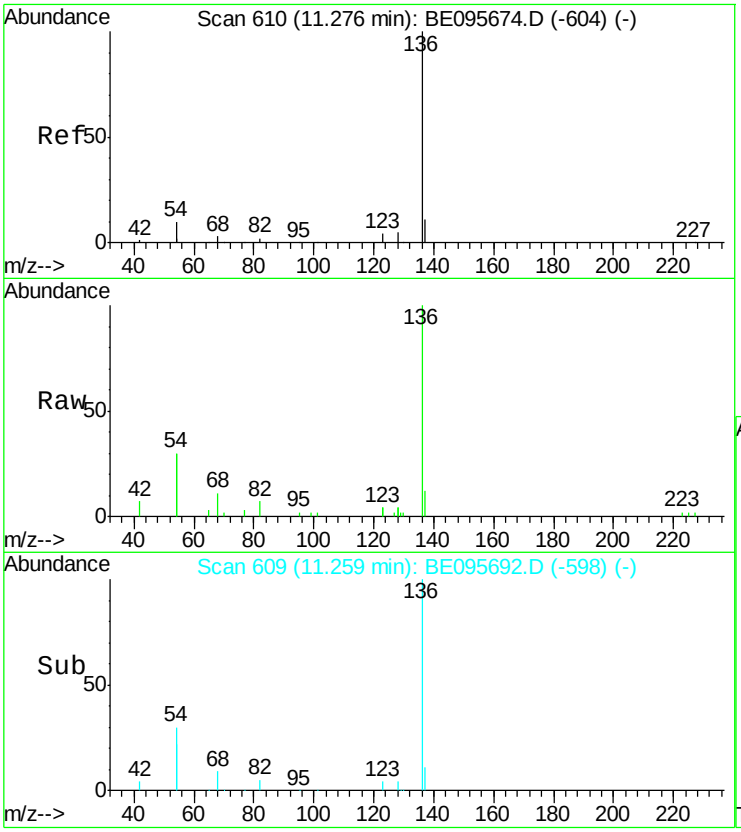


#6
bis(2-Chloroethyl)ether
Concen: 0.255 ng
RT: 7.82 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion: 93 Resp: 1432

Ion	Ratio	Lower	Upper
93	100		
63	329.3	275.3	412.9
95	32.4	25.2	37.8



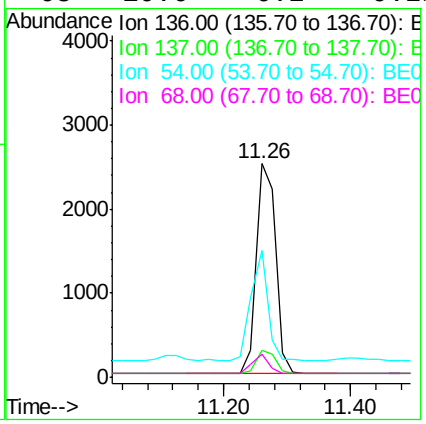


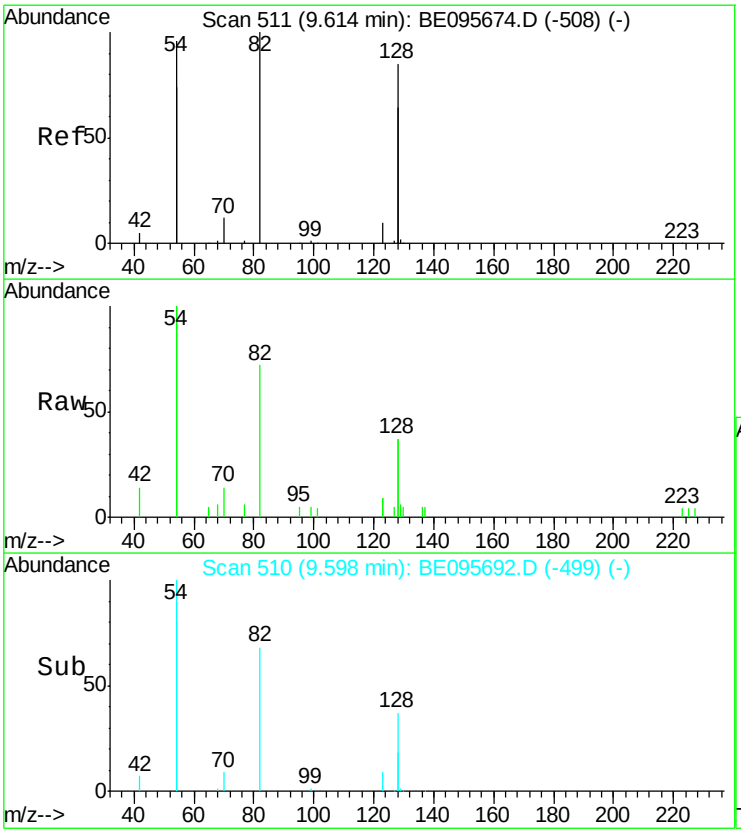
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:136 Resp: 5305

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	59.4	29.1	43.7#
68	10.6	6.2	9.2#

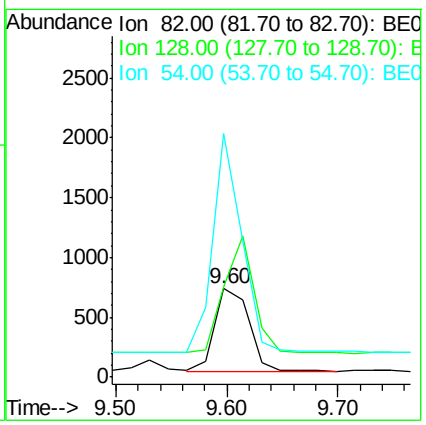


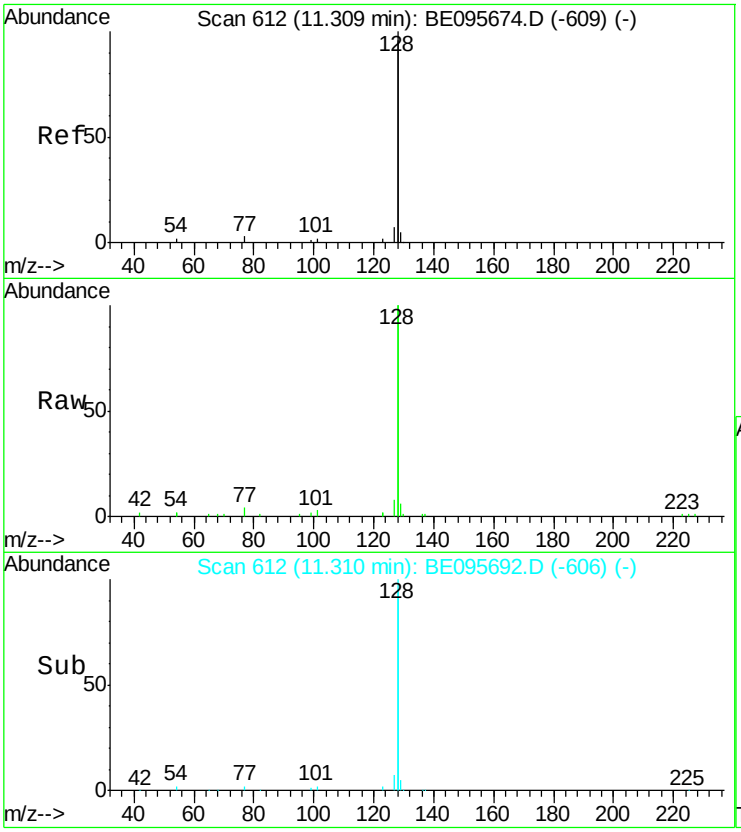


#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 9.60 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion: 82 Resp: 1463

Ion	Ratio	Lower	Upper
82	100		
128	102.7	150.0	225.0#
54	275.9	154.2	231.4#



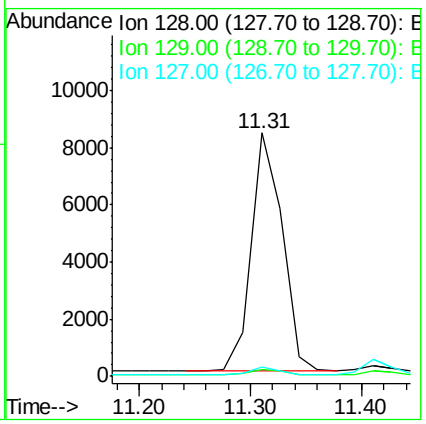


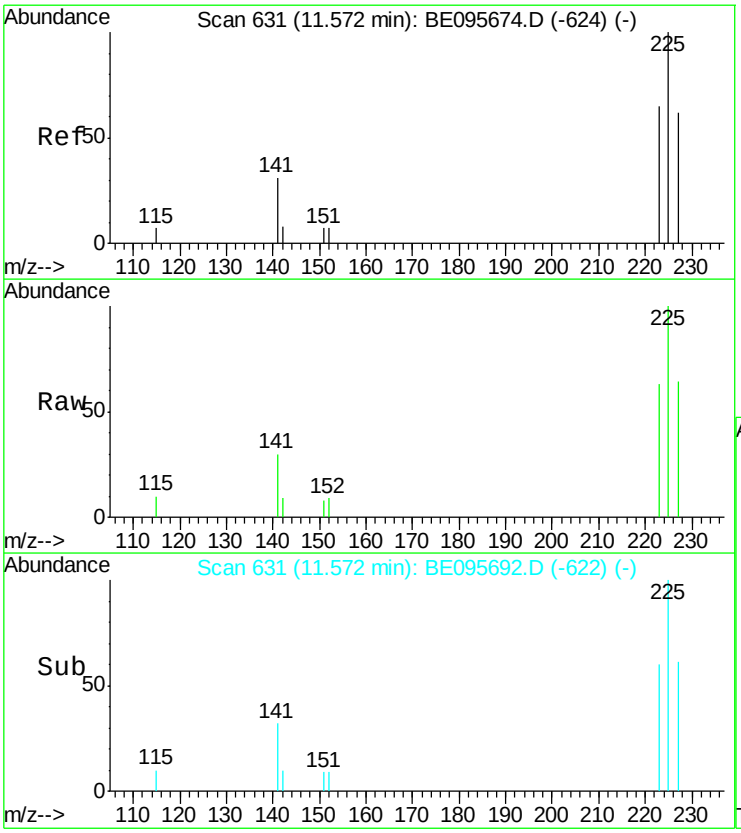
#9
Naphthalene
Concen: 0.261 ng
RT: 11.31 min Scan# 612
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:128 Resp: 15961

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.8	2.8	4.2

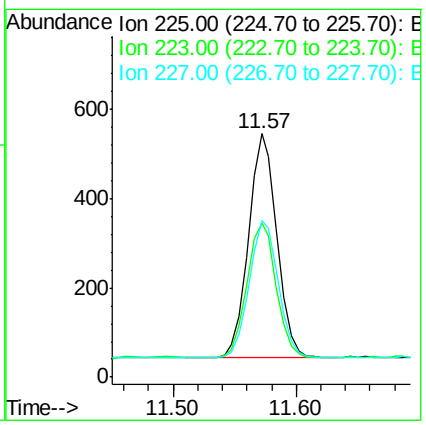


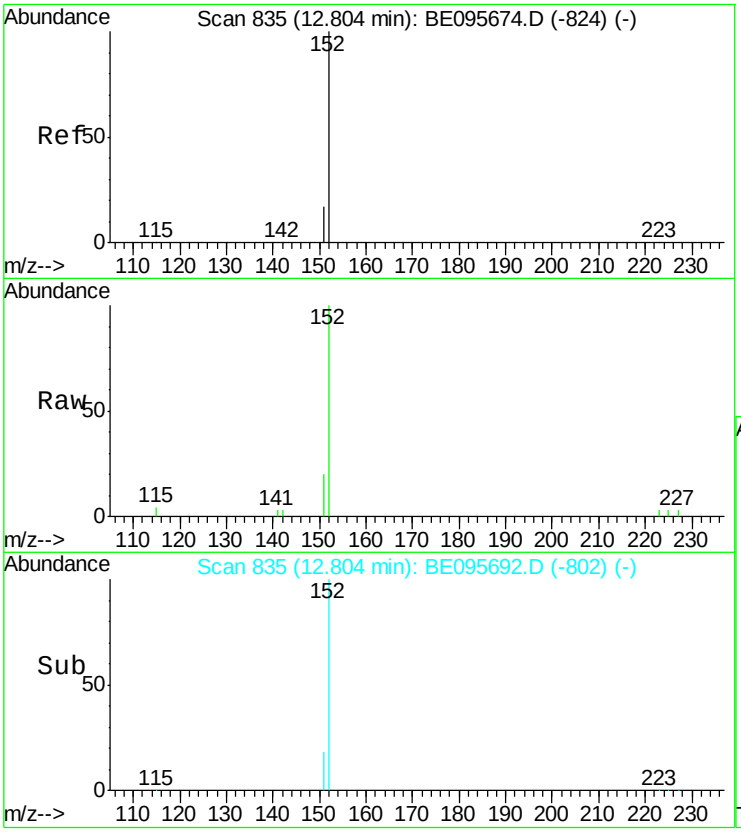


#10
Hexachlorobutadiene
Concen: 0.265 ng
RT: 11.57 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:225 Resp: 944

Ion	Ratio	Lower	Upper
225	100		
223	62.0	53.0	79.6
227	63.9	51.4	77.2



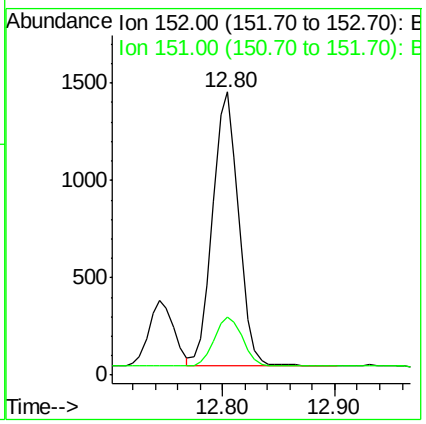


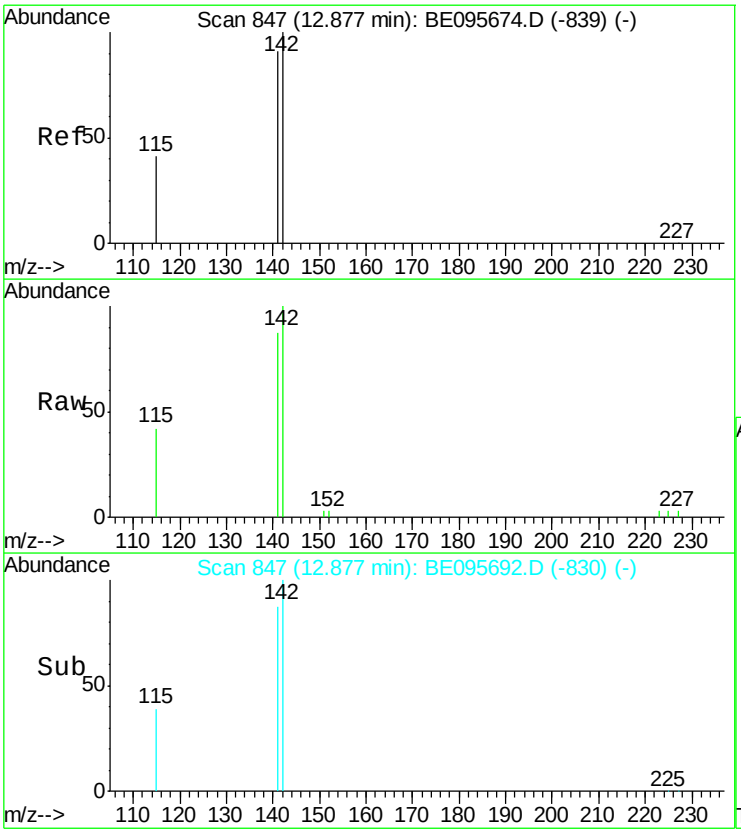
#11
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 12.80 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:152 Resp: 2250

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

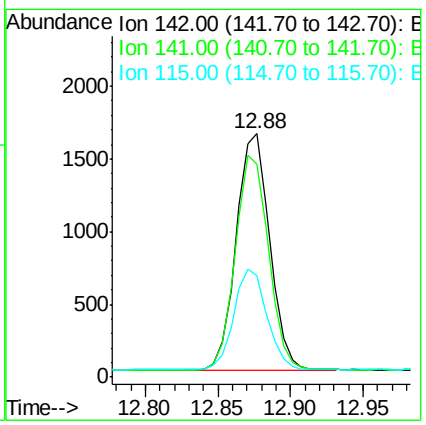


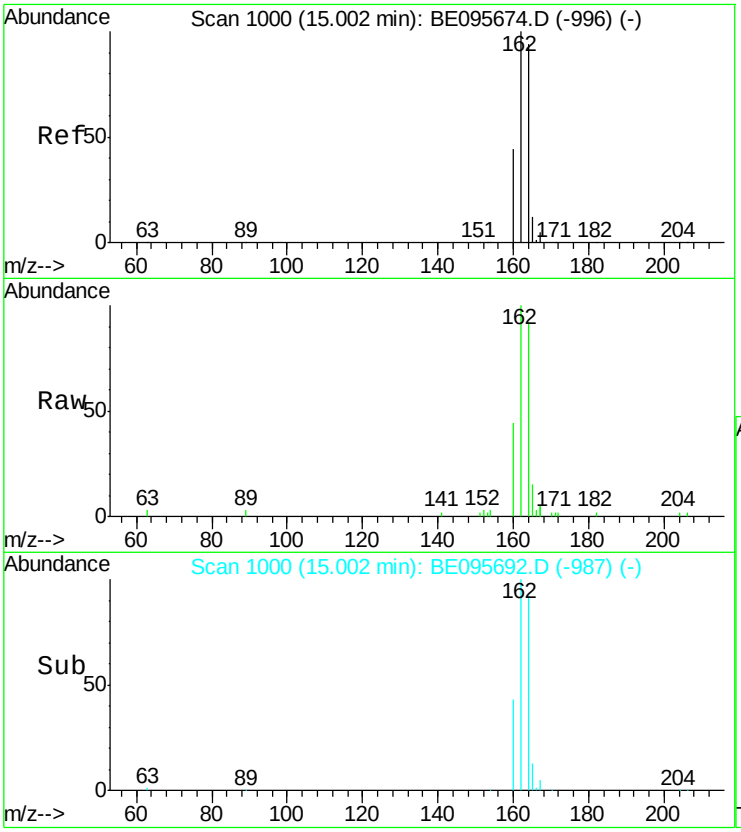


#12
2-Methylnaphthalene
Concen: 0.247 ng
RT: 12.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:142 Resp: 2604

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.4	105.6
115	41.6	31.7	47.5



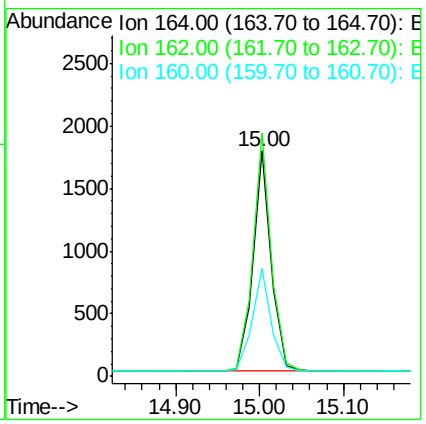


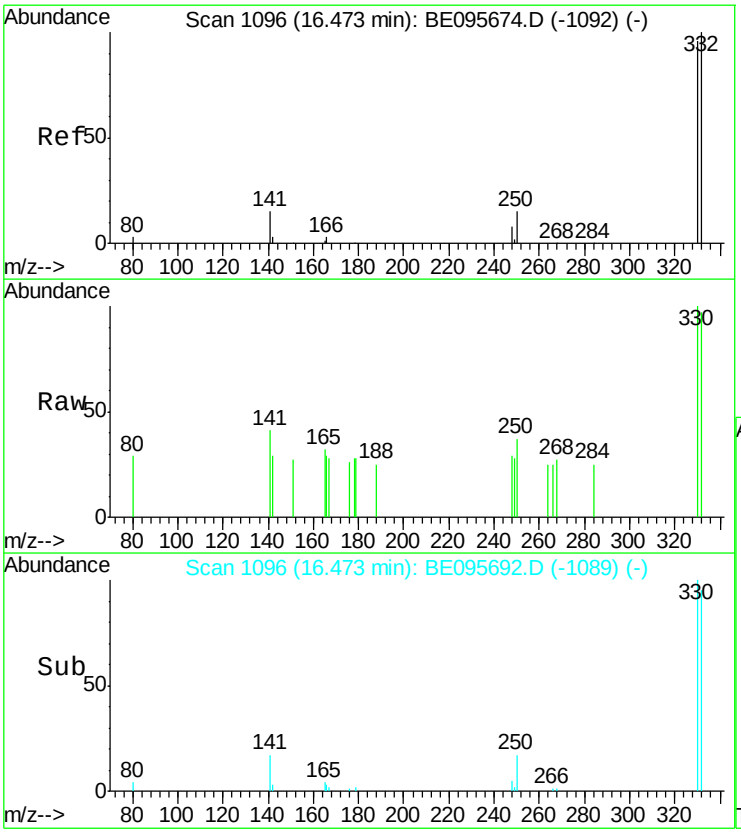
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:164 Resp: 2644

Ion	Ratio	Lower	Upper
164	100		
162	108.1	83.1	124.7
160	48.0	37.1	55.7

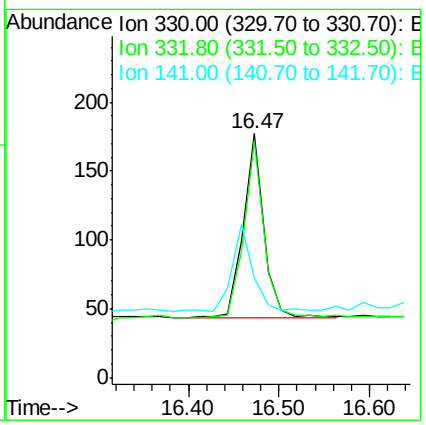


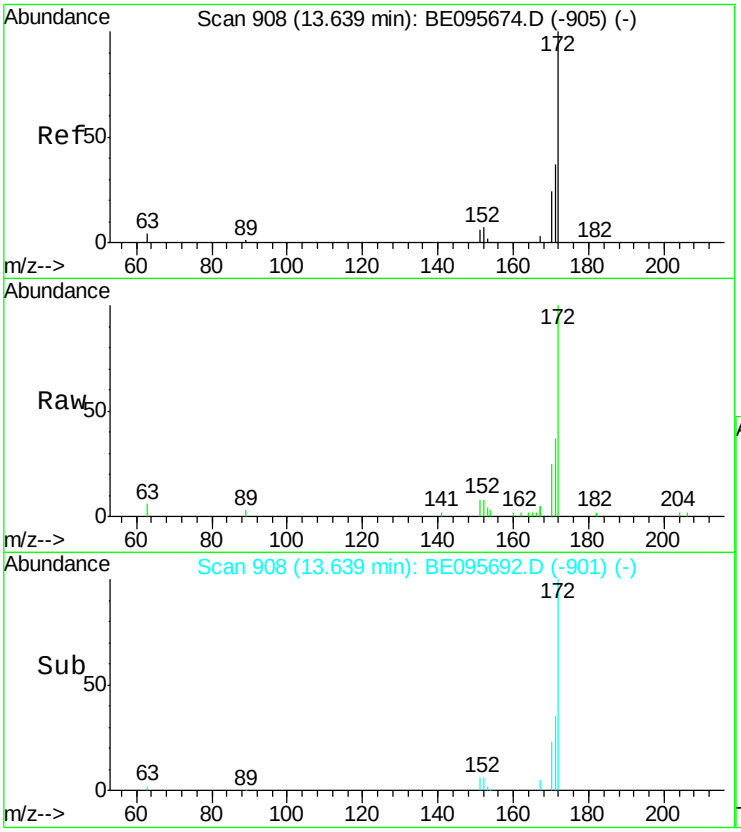


#14
2,4,6-Tribromophenol
Concen: 0.285 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:330 Resp: 215

Ion	Ratio	Lower	Upper
330	100		
332	95.3	152.7	229.1#
141	43.7	33.7	50.5



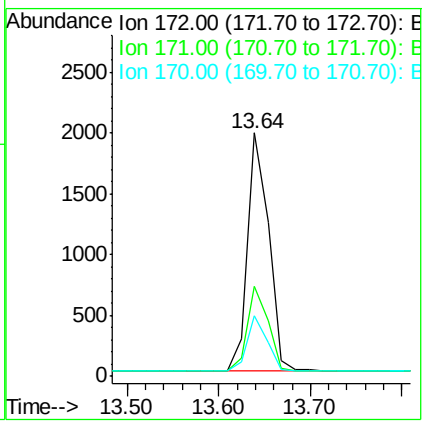


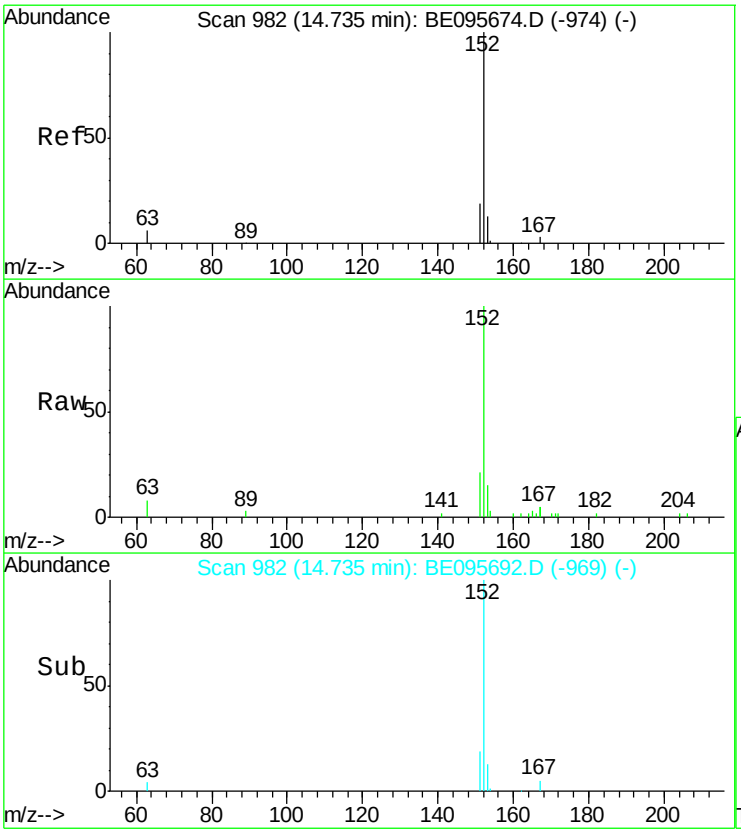
#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:172 Resp: 3163

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	25.0	21.8	32.8

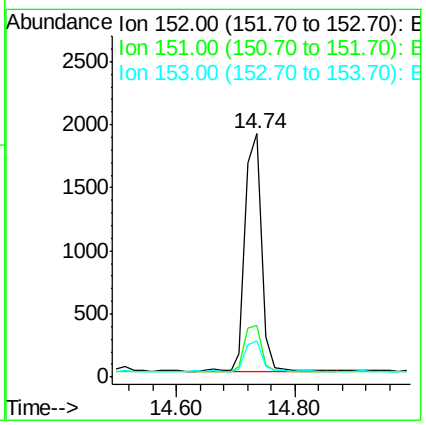


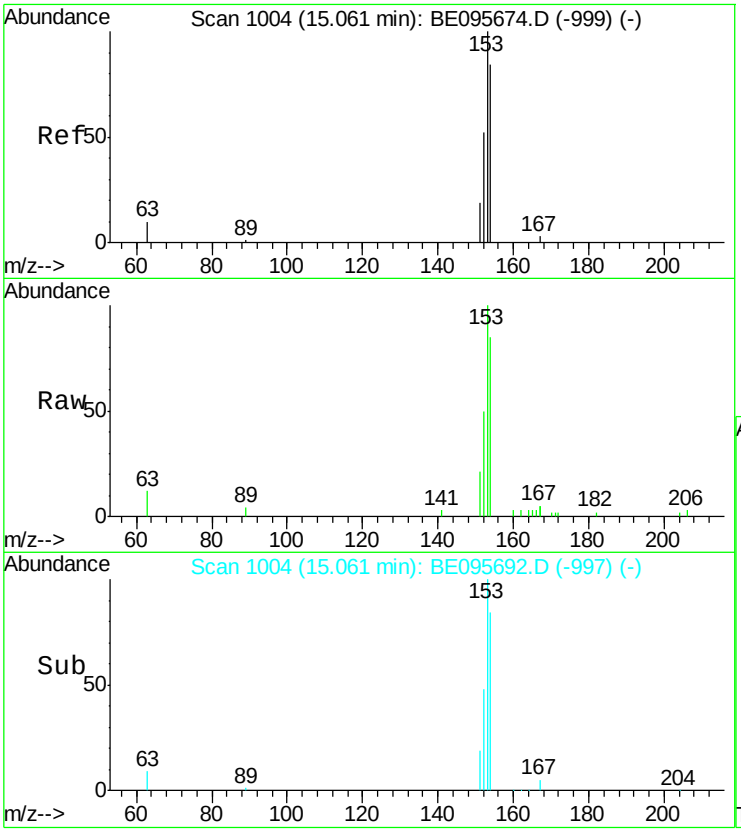


#16
Acenaphthylene
Concen: 0.242 ng
RT: 14.74 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:152 Resp: 3600

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.8	10.5	15.7



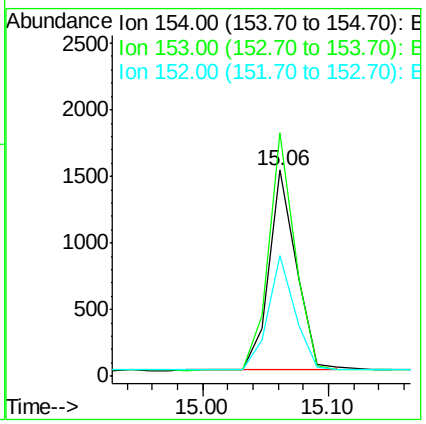


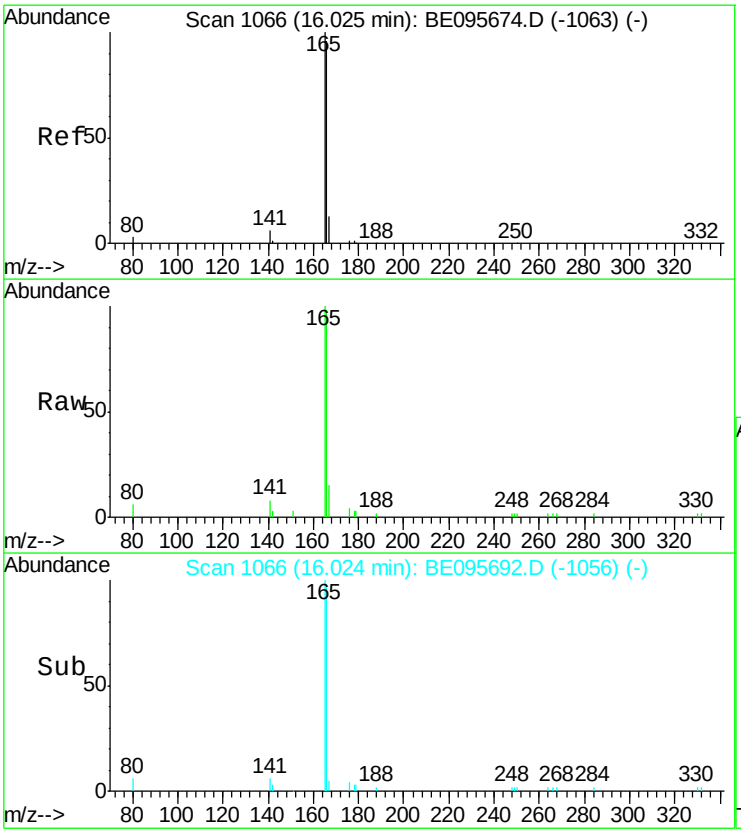
#17
Acenaphthene
Concen: 0.243 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:154 Resp: 2270

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.2	133.8
152	56.3	42.0	63.0

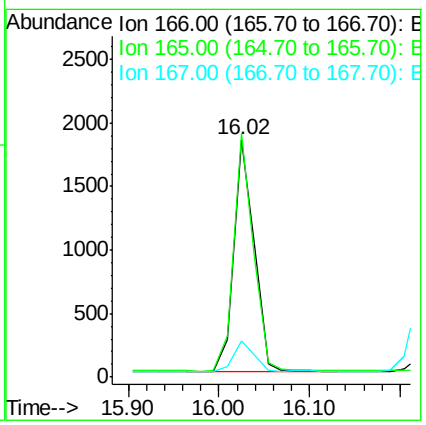


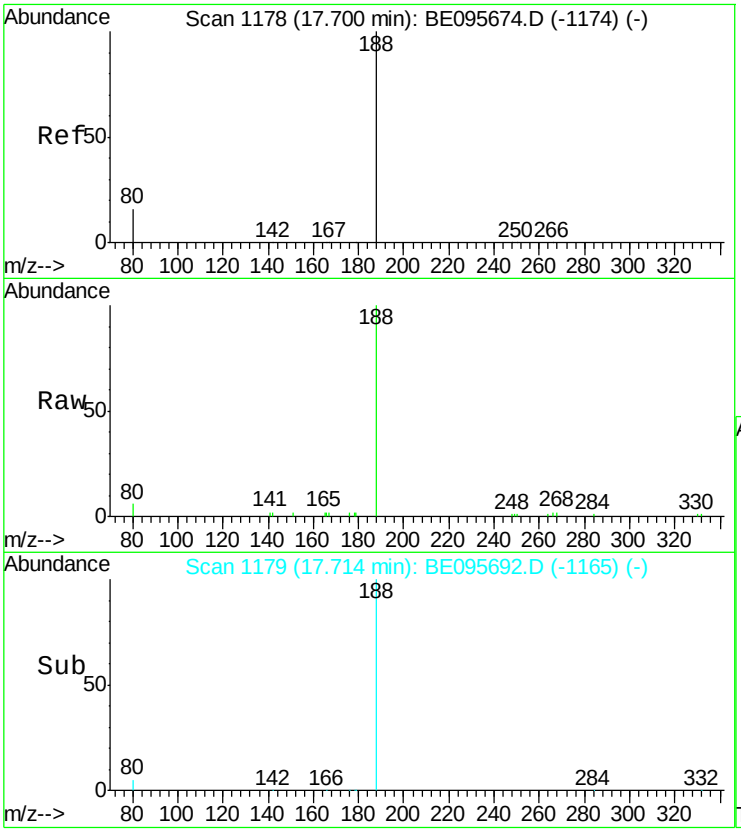


#18
Fluorene
Concen: 0.246 ng
RT: 16.02 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:166 Resp: 2844

Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.8	116.6
167	13.5	42.4	63.6#



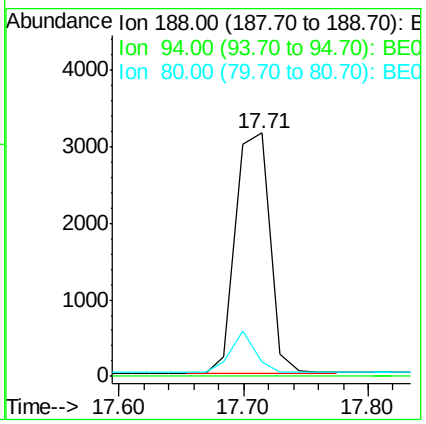


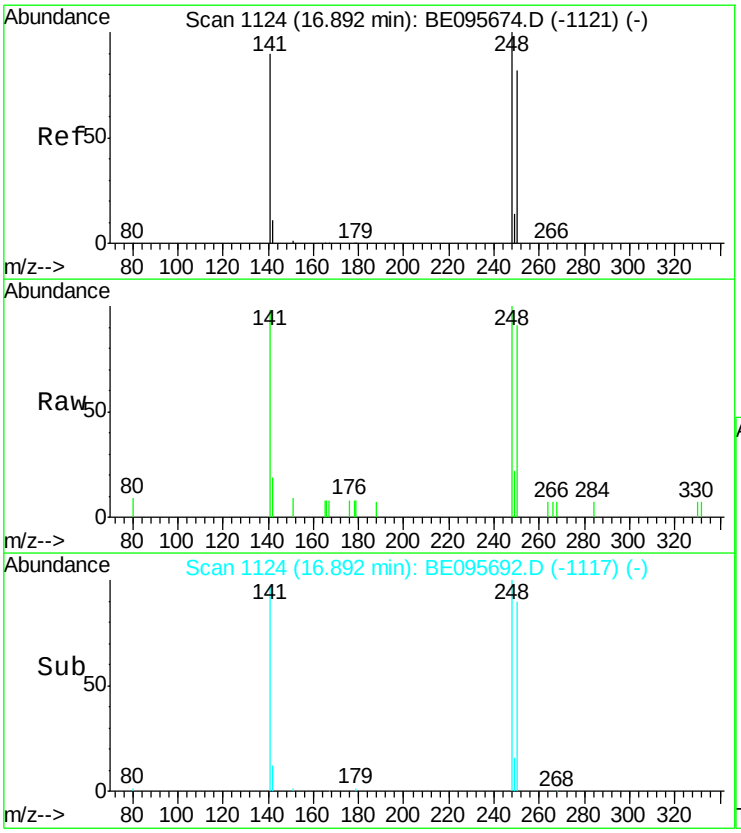
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:188 Resp: 5933

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	6.2	3.6	5.4#

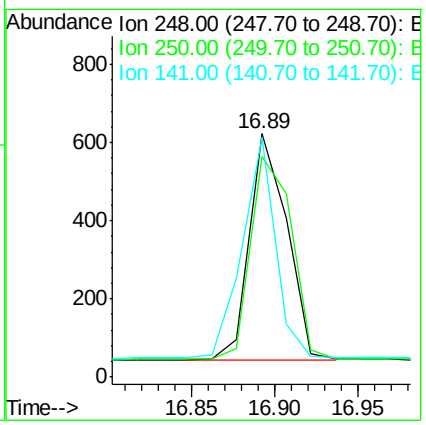


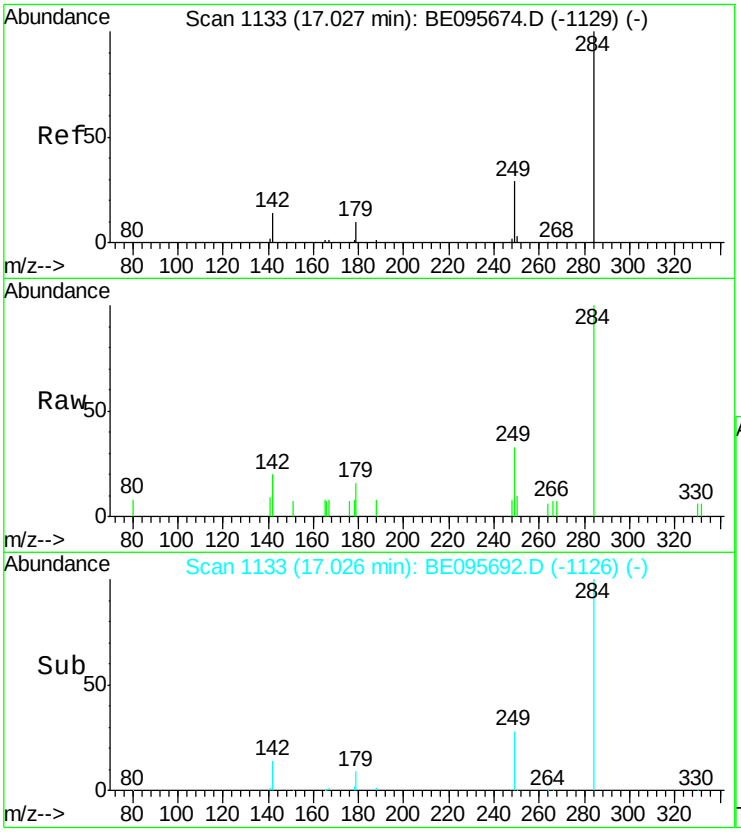


#20
4-Bromophenyl-phenylether
Concen: 0.244 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:248 Resp: 907

Ion	Ratio	Lower	Upper
248	100		
250	90.5	62.7	94.1
141	98.2	48.2	72.2#



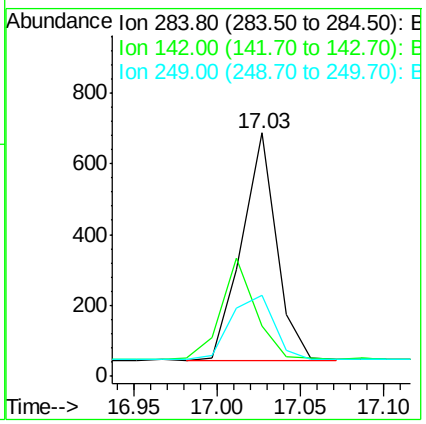


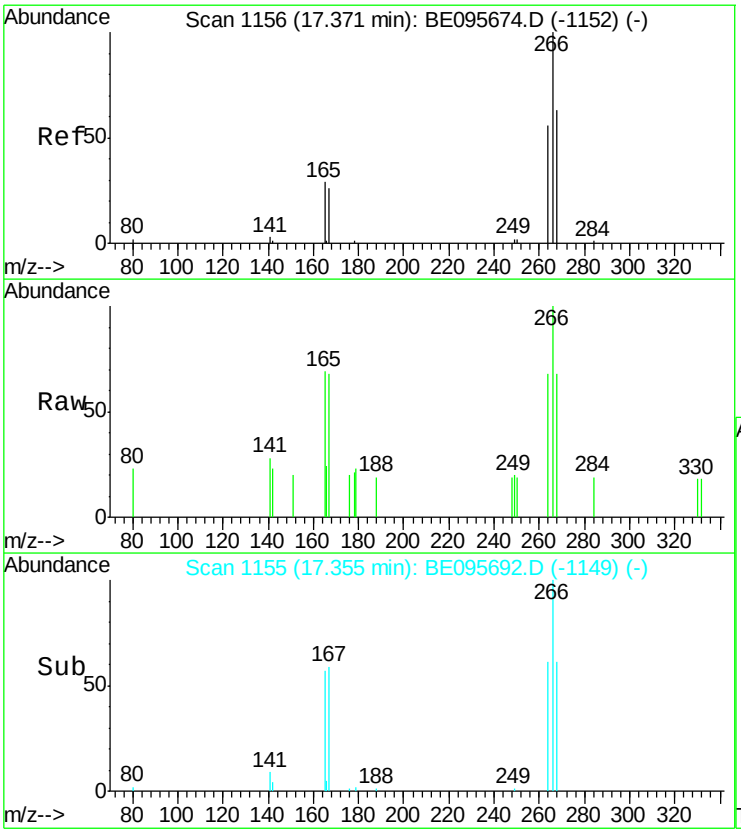
#21
Hexachlorobenzene
Concen: 0.242 ng
RT: 17.03 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:284 Resp: 932

Ion	Ratio	Lower	Upper
284	100		
142	44.1	22.1	33.1#
249	36.1	34.8	52.2

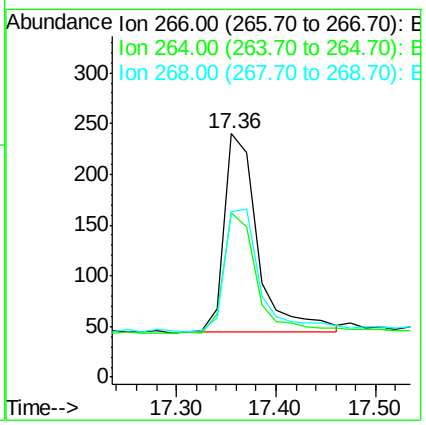


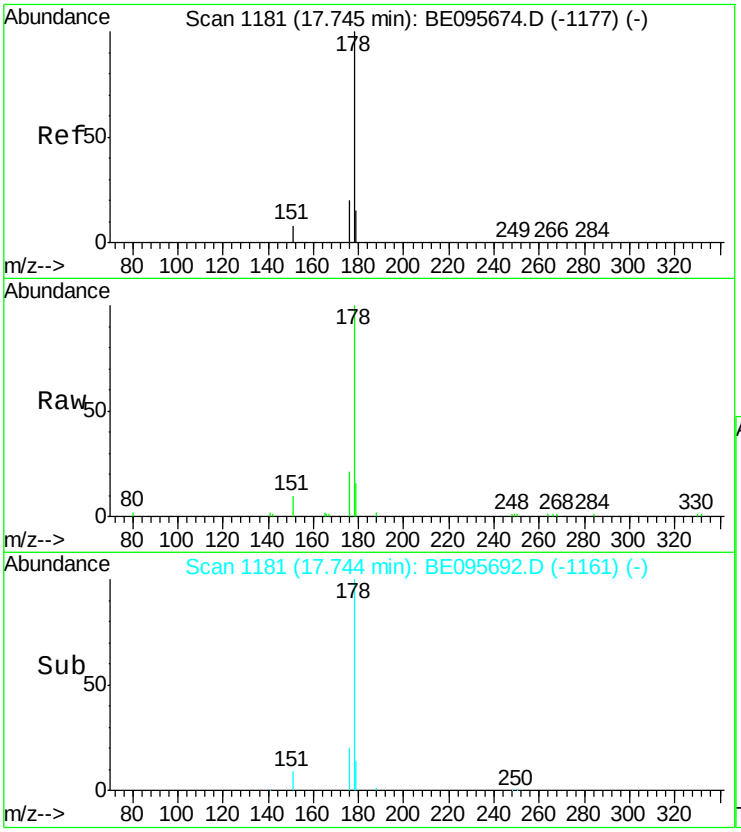


#22
Pentachlorophenol
Concen: 0.501 ng
RT: 17.36 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:266 Resp: 456

Ion	Ratio	Lower	Upper
266	100		
264	67.5	72.5	108.7#
268	67.9	73.8	110.6#



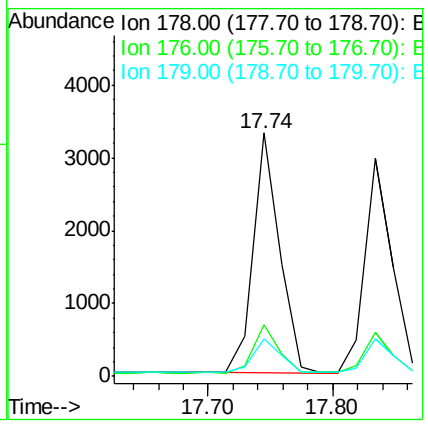


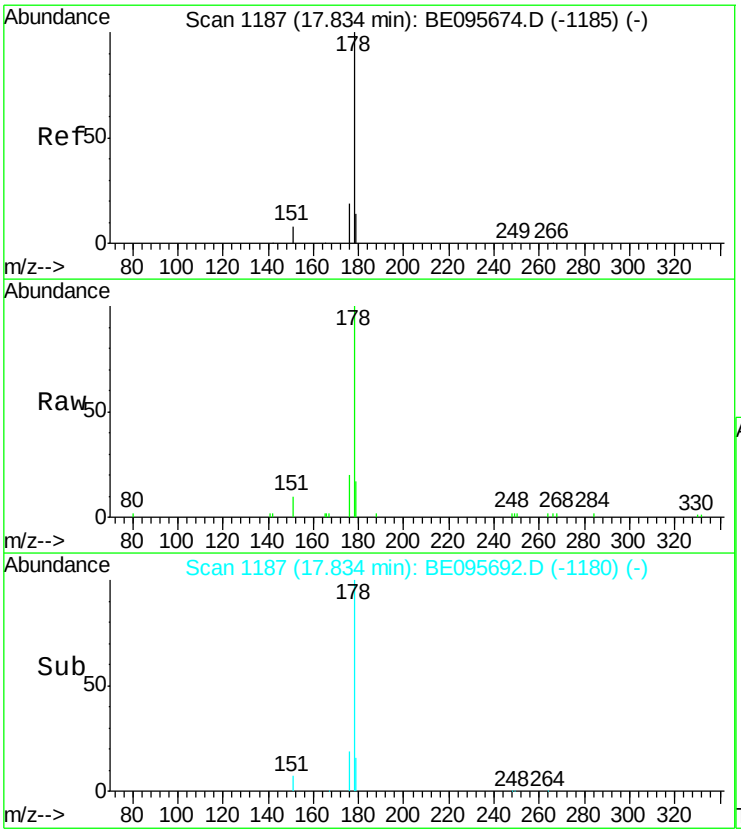
#23
Phenanthrene
Concen: 0.264 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:178 Resp: 4901

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	15.5	11.8	17.6

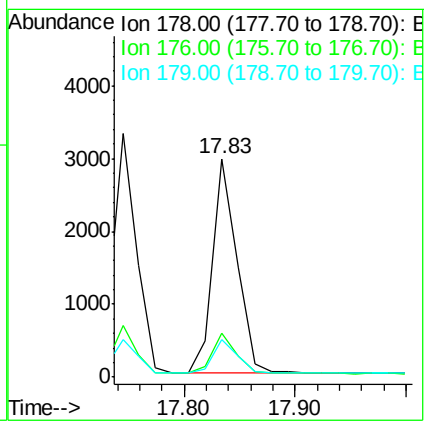


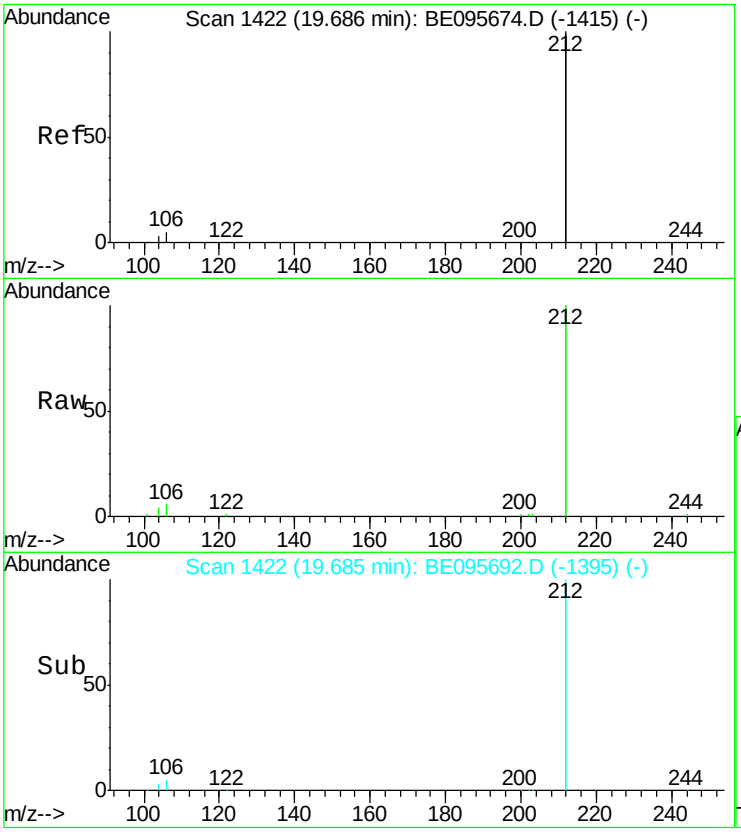


#24
Anthracene
Concen: 0.262 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:178 Resp: 4468

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.5	13.0	19.6



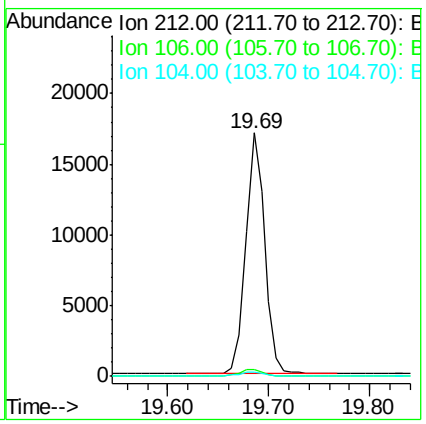


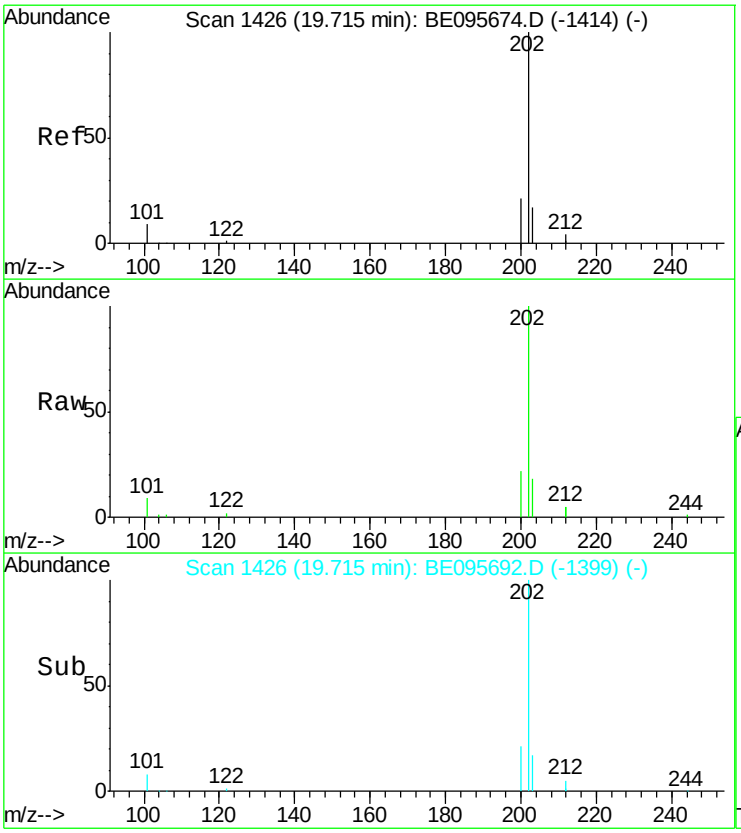
#25
Fluoranthene-d10
Concen: 0.286 ng
RT: 19.69 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:212 Resp: 22179

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.7	1.6	2.4

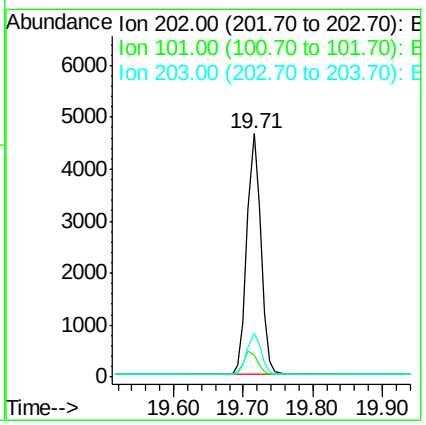


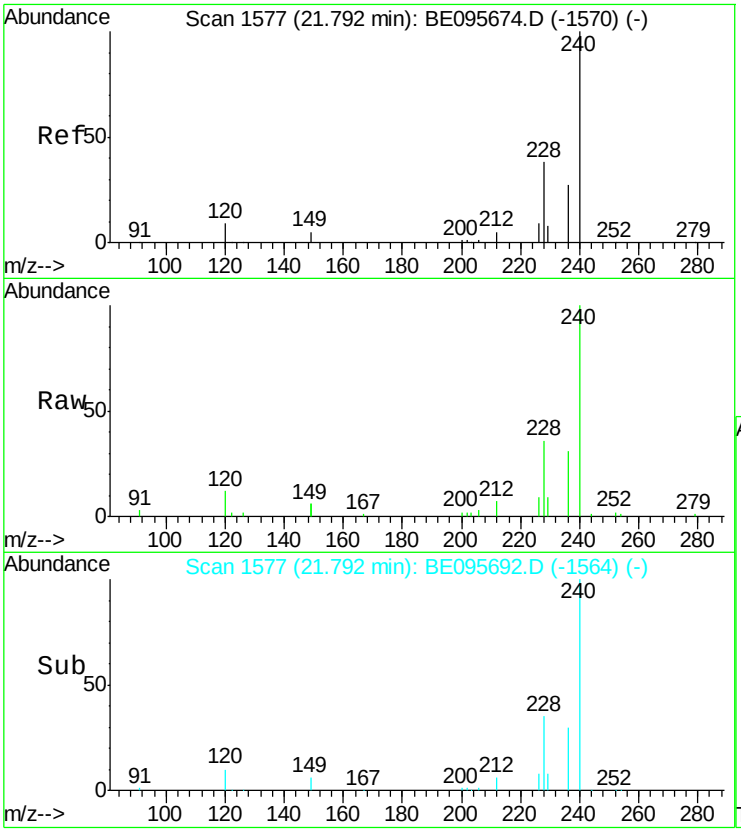


#26
Fluoranthene
Concen: 0.271 ng
RT: 19.71 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:202 Resp: 6175

Ion	Ratio	Lower	Upper
202	100		
101	10.1	9.8	14.8
203	17.3	13.7	20.5



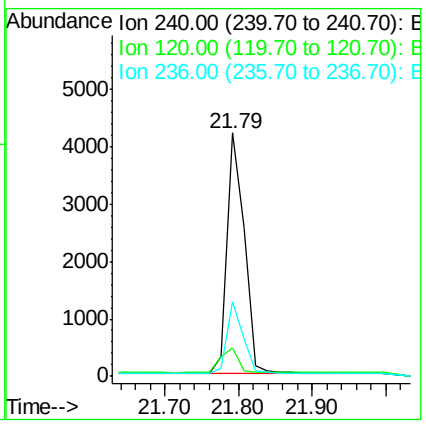


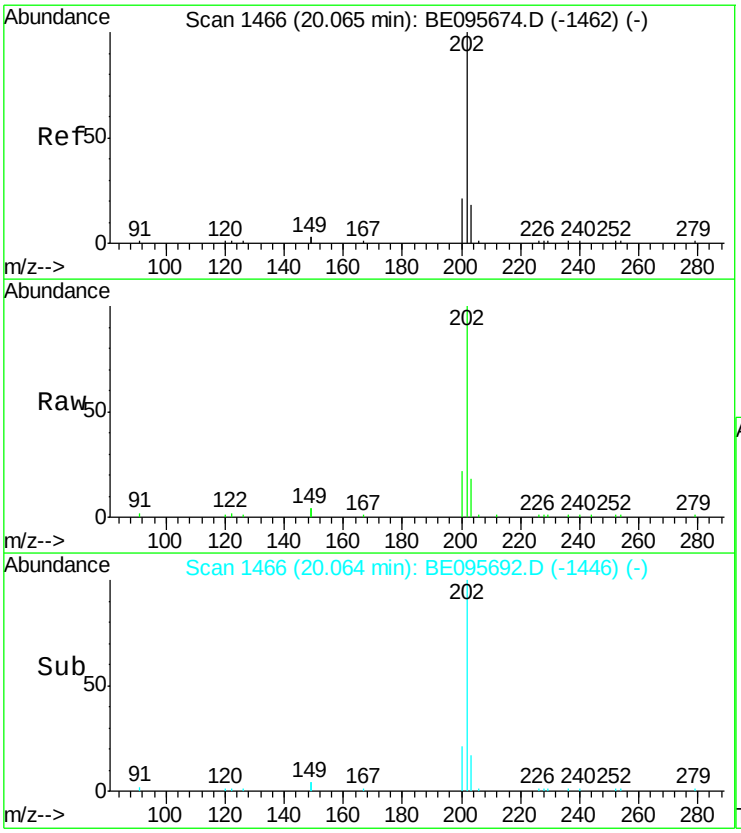
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:240 Resp: 6830

Ion	Ratio	Lower	Upper
240	100		
120	11.9	5.5	8.3#
236	30.5	20.7	31.1

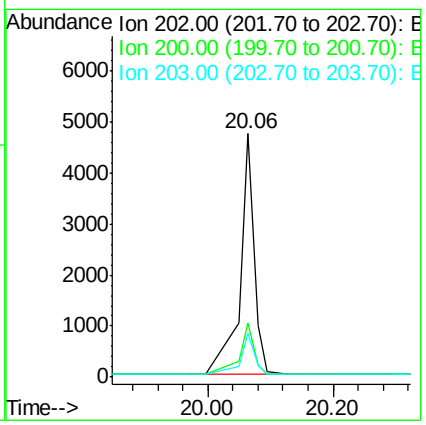


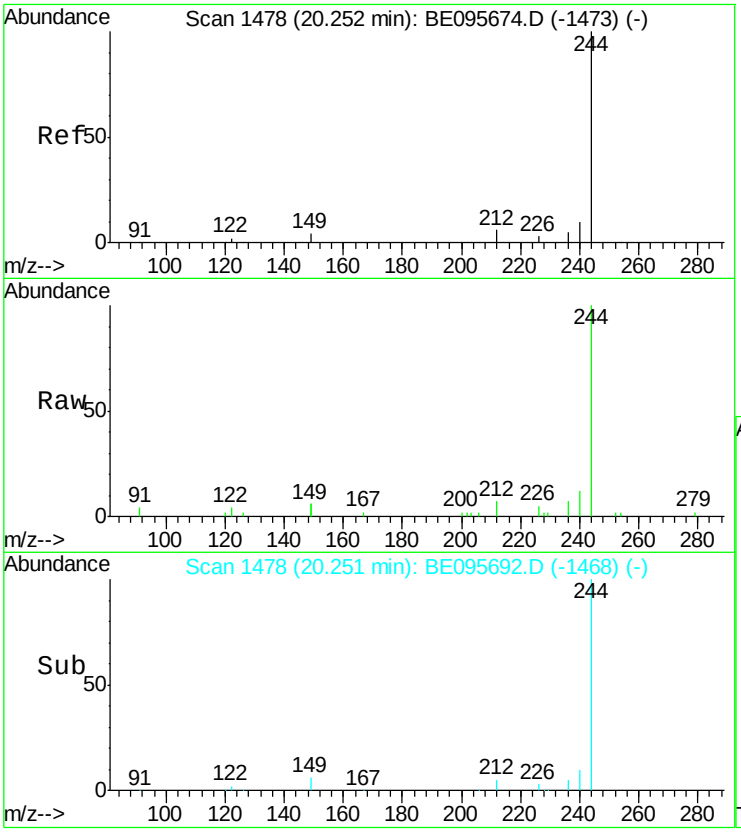


#28
Pyrene
Concen: 0.233 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:202 Resp: 6509

Ion	Ratio	Lower	Upper
202	100		
200	23.5	16.6	25.0
203	18.3	13.8	20.8



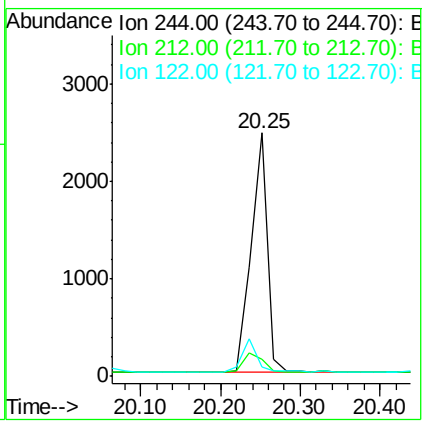


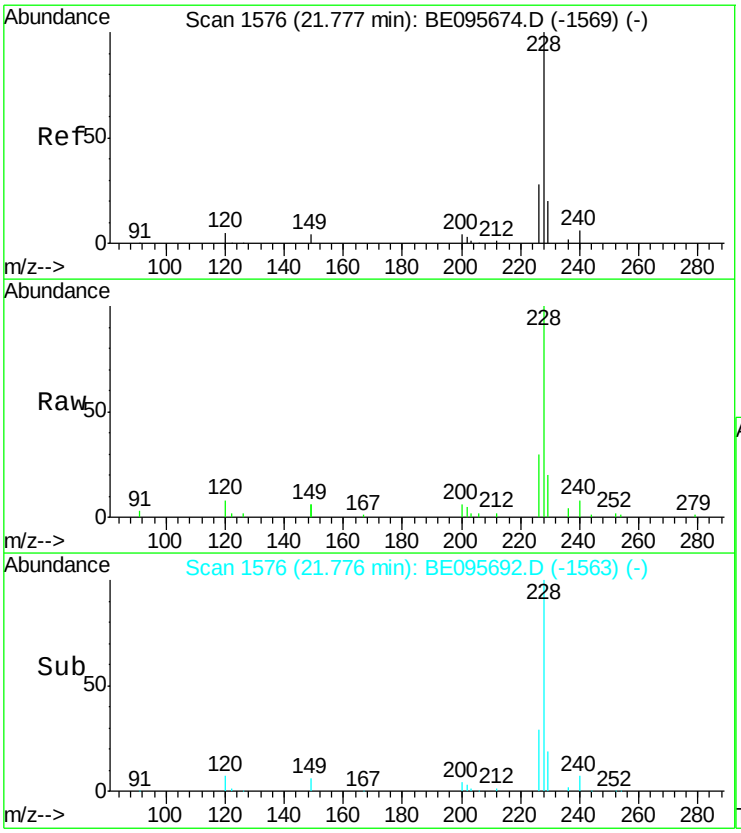
#29
Terphenyl-d14
Concen: 0.256 ng
RT: 20.25 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:244 Resp: 3482

Ion	Ratio	Lower	Upper
244	100		
212	7.2	25.4	38.0#
122	4.0	8.1	12.1#

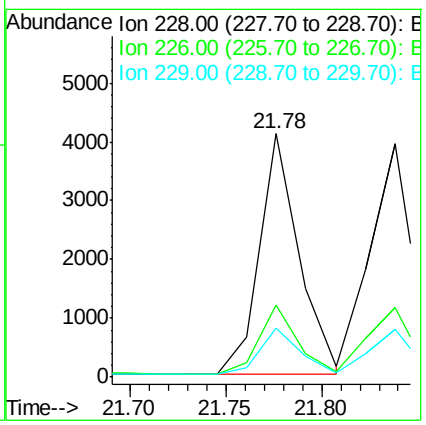


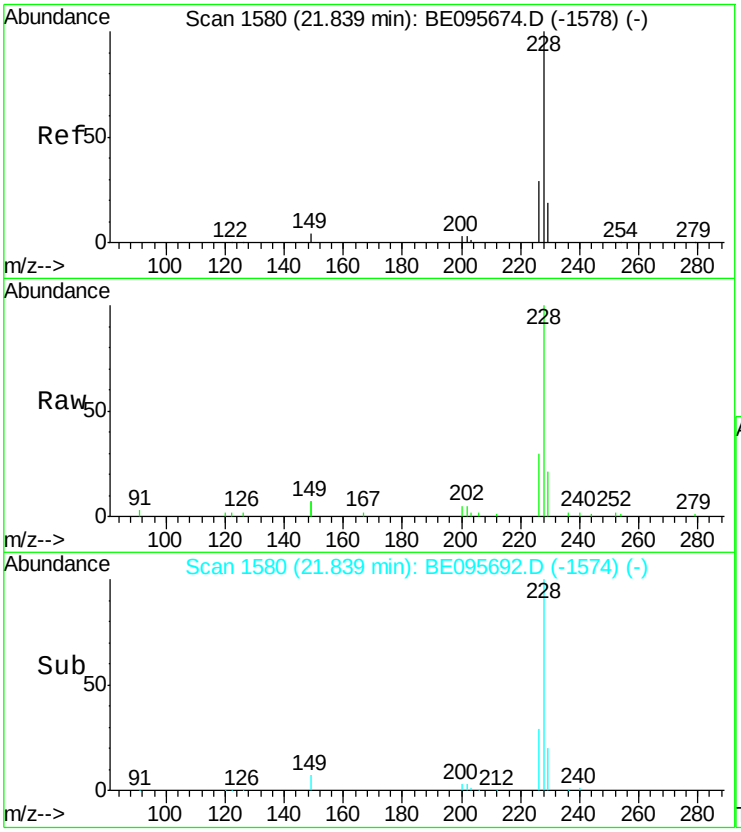


#30
Benzo(a)anthracene
Concen: 0.264 ng
RT: 21.78 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:228 Resp: 5891

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.4	16.0	24.0



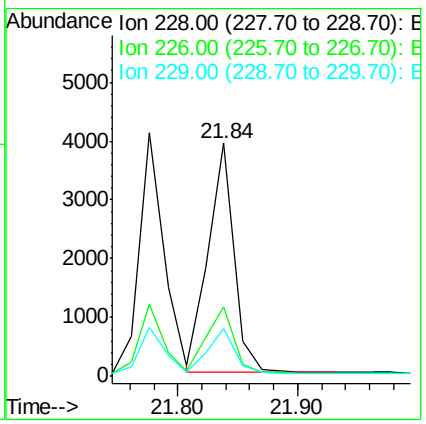


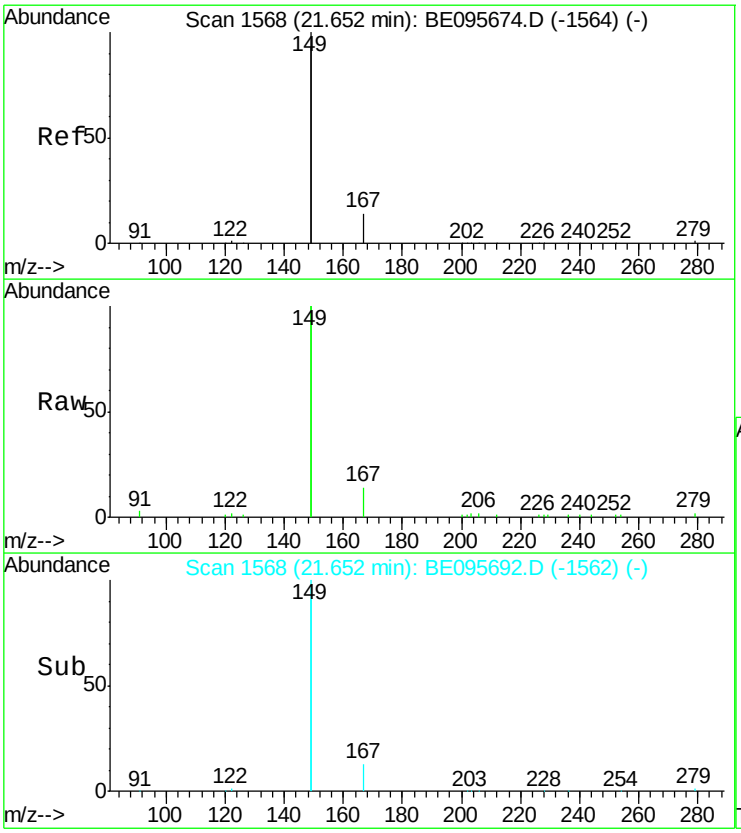
#31
Chrysene
Concen: 0.266 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:228 Resp: 5901

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.7	16.0	24.0

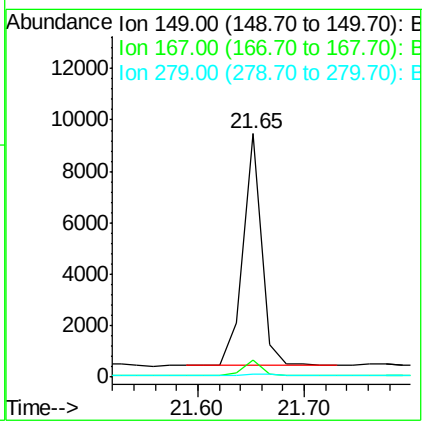


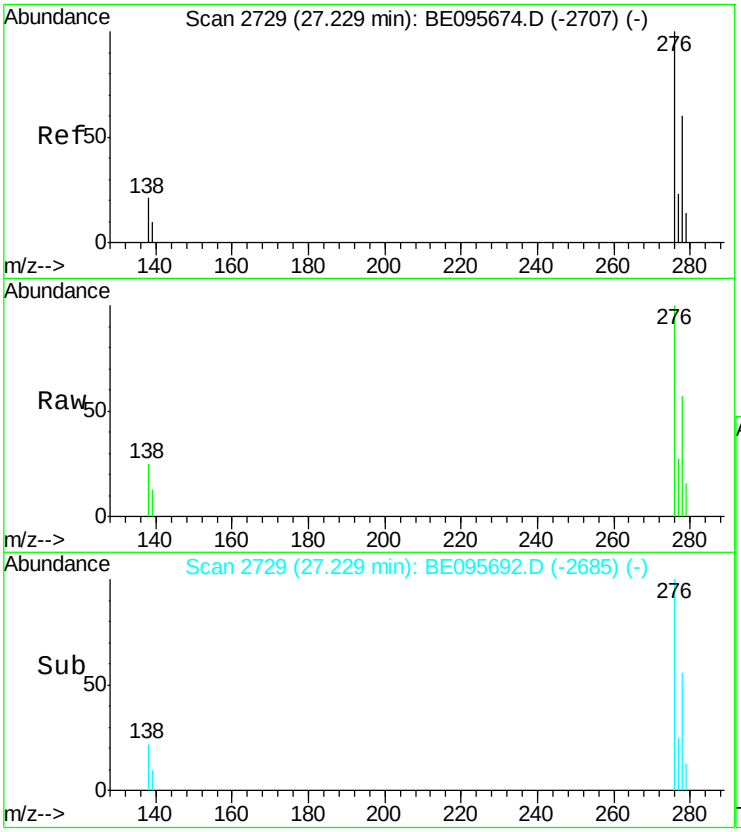


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.278 ng
RT: 21.65 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:149 Resp: 10974

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.0	0.7	1.1



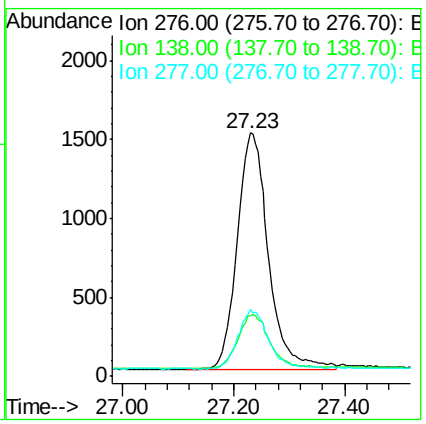


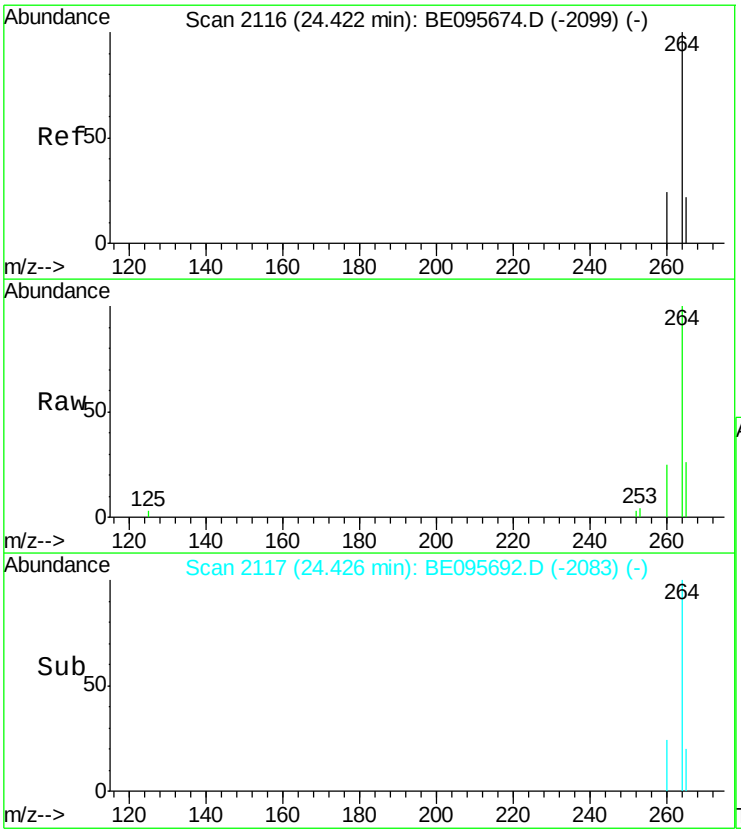
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.275 ng
RT: 27.23 min Scan# 2729
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:276 Resp: 5915

Ion	Ratio	Lower	Upper
276	100		
138	23.0	22.5	33.7
277	24.2	19.9	29.9

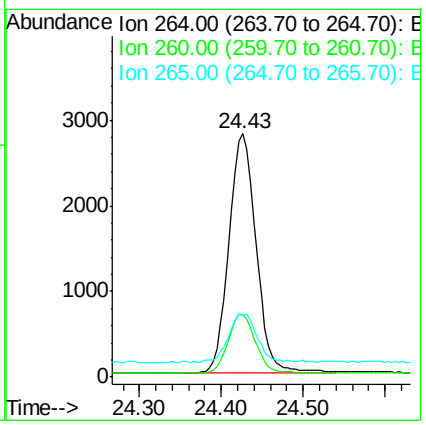


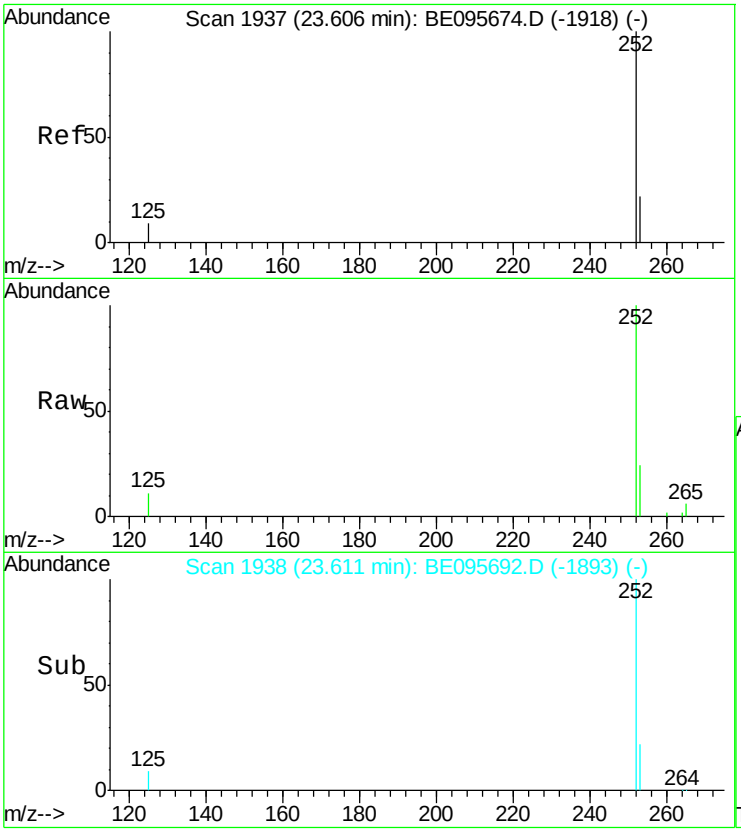


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:264 Resp: 6394

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	25.6	22.8	34.2



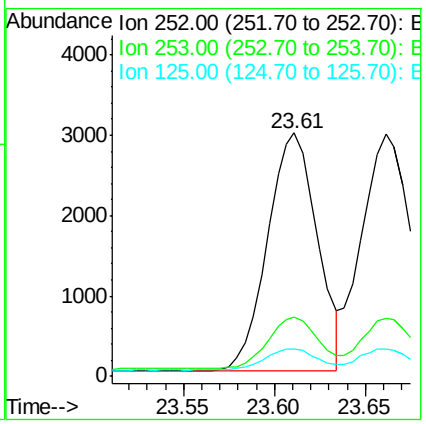


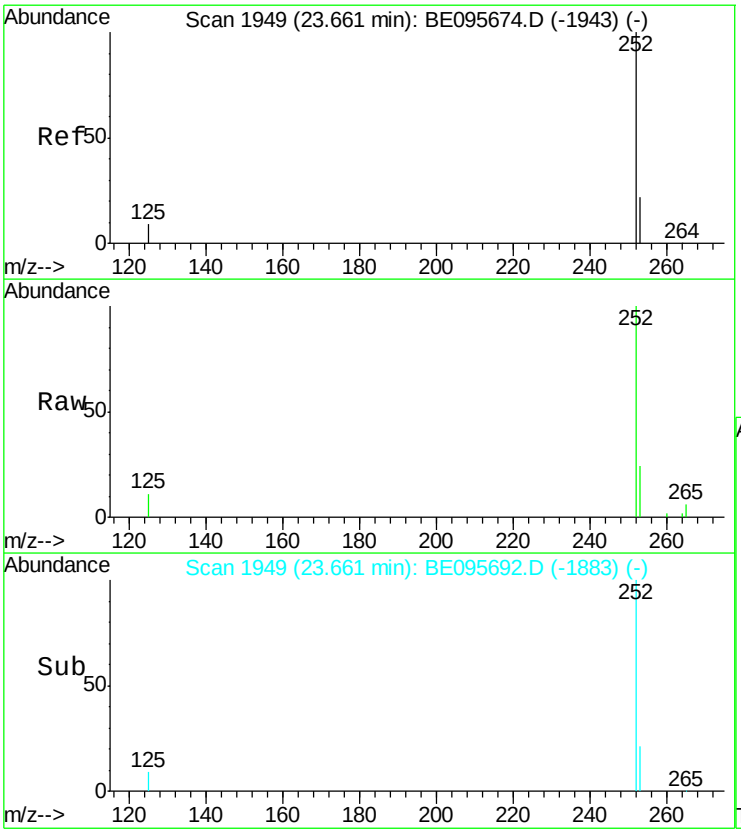
#35
Benzo(b)fluoranthene
Concen: 0.248 ng
RT: 23.61 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:252 Resp: 5651

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.0	30.0
125	11.5	16.0	24.0#

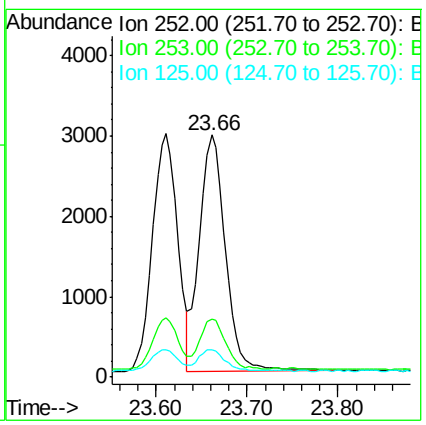


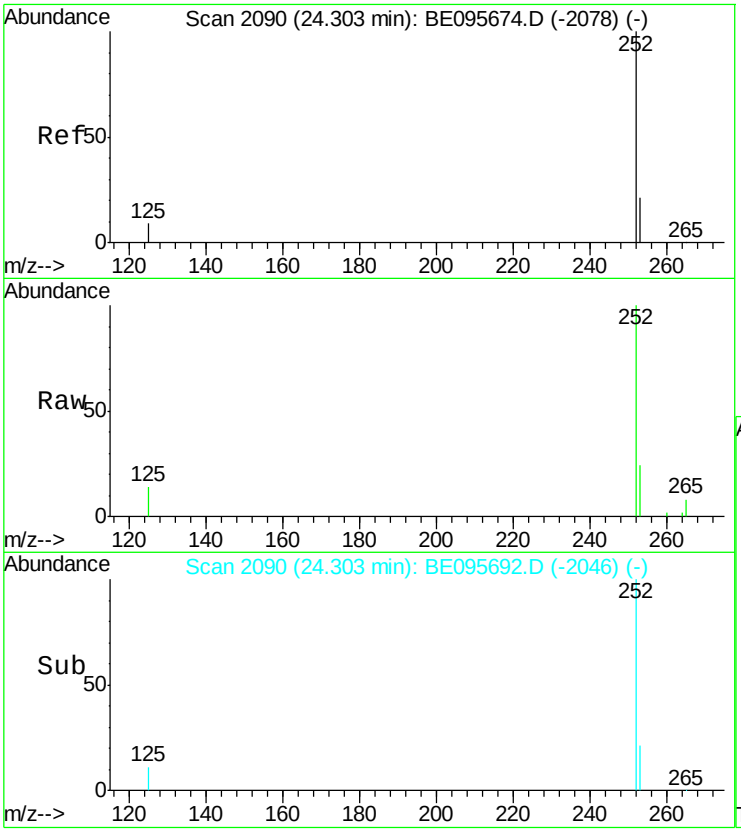


#36
Benzo(k)fluoranthene
Concen: 0.257 ng
RT: 23.66 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:252 Resp: 5826

Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.0	24.0#
125	11.3	8.0	12.0



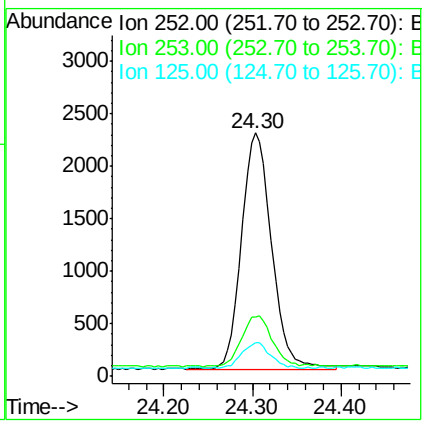


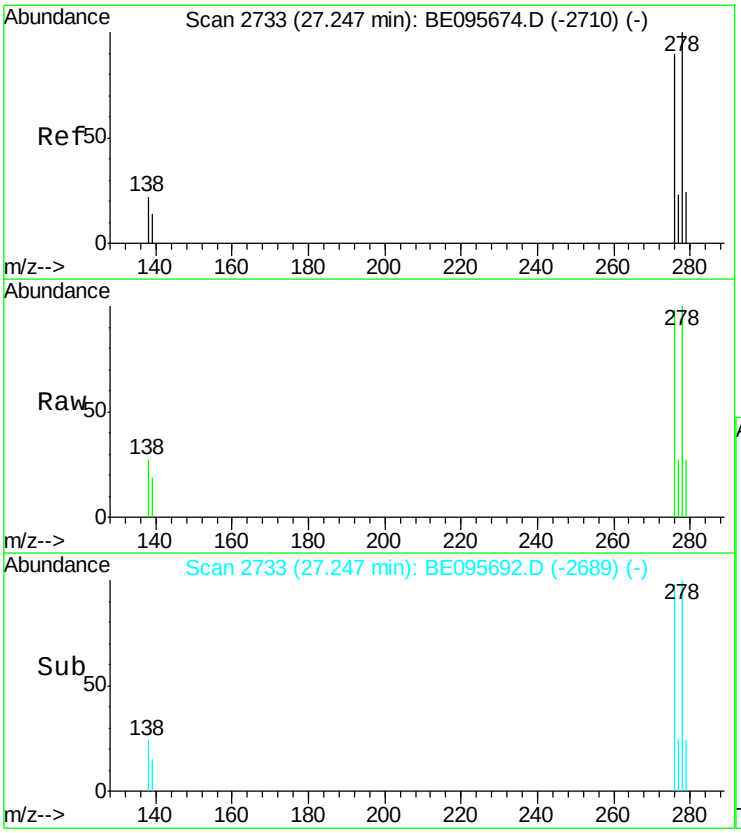
#37
Benzo(a)pyrene
Concen: 0.260 ng
RT: 24.30 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:252 Resp: 5346

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	14.1	12.0	18.0

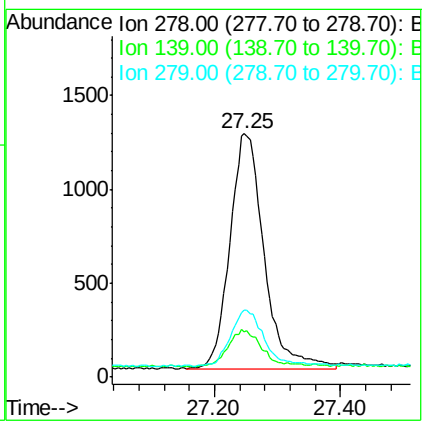


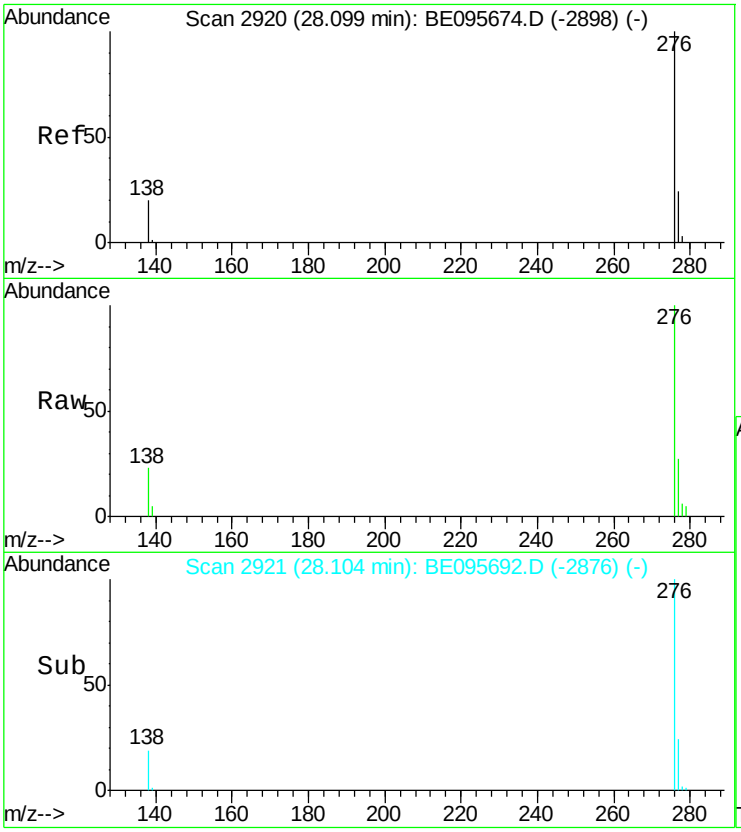


#38
Dibenzo(a,h)anthracene
Concen: 0.258 ng
RT: 27.25 min Scan# 2733
Delta R.T. -0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Tgt Ion:278 Resp: 4715

Ion	Ratio	Lower	Upper
278	100		
139	18.7	16.0	24.0
279	27.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.264 ng
RT: 28.10 min Scan# 2921
Delta R.T. 0.00 min
Lab File: BE095692.D
Acq: 26 Feb 2018 17:07

Instrument :
BNA_E
ClientSampleId :
PB106832BS

Tgt Ion:276 Resp: 5176

Ion	Ratio	Lower	Upper
276	100		
277	27.2	16.0	24.0#
138	22.6	20.0	30.0