Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020618\
Data File : BE095540.D
Acq On : 6 Feb 2018 21:38
Operator : SJ/JU
Sample : PB106169BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB106169BS

Quant Time: Feb 07 04:35:21 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	1293	0.40	ng		0.00
7) Naphthalene-d8	11.28	136	4571	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	2407	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	5741	0.40	ng		0.00
27) Chrysene-d12	21.81	240	6168	0.40	ng		0.01
34) Perylene-d12	24.43	264	5637	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	992	0.25	ng		0.00
5) Phenol-d6	7.55	99	1362	0.25	ng		-0.01
8) Nitrobenzene-d5	9.61	82	1352	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.81	152	1976	0.26	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	222	0.20	ng		0.00
15) 2-Fluorobiphenyl	13.65	172	3248	0.31	ng		0.00
25) Fluoranthene-d10	19.69	212	20220	0.27	ng		0.00
29) Terphenyl-d14	20.25	244	4034	0.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	495	0.231	ng	#	39
3) n-Nitrosodimethylamine	3.99	42	628	0.233	ng	#	87
6) bis(2-Chloroethyl)ether	7.83	93	1221	0.246	ng		94
9) Naphthalene	11.33	128	13546	0.255	ng		99
10) Hexachlorobutadiene	11.58	225	792	0.278	ng		91
12) 2-Methylnaphthalene	12.88	142	2273	0.252	ng		96
16) Acenaphthylene	14.73	152	3213	0.234	ng		98
17) Acenaphthene	15.06	154	2041	0.239	ng		97
18) Fluorene	16.04	166	2570	0.240	ng	#	79
20) 4-Bromophenyl-phenylether	16.91	248	887	0.257	ng	#	73
21) Hexachlorobenzene	17.03	284	883	0.248	ng	#	83
22) Pentachlorophenol	17.37	266	286	0.357	ng		84
23) Phenanthrene	17.74	178	4496	0.255	ng		99
24) Anthracene	17.83	178	4090	0.248	ng		96
26) Fluoranthene	19.72	202	5624	0.253	ng		98
28) Pyrene	20.06	202	6051	0.234	ng		97
30) Benzo(a)anthracene	21.78	228	5030	0.245	ng		99
31) Chrysene	21.84	228	5228	0.258	ng		99
32) Bis(2-ethylhexyl)phthalate	21.65	149	9240	0.195	ng		100
33) Indeno(1,2,3-cd)pyrene	27.24	276	4805	0.246	ng	#	93
35) Benzo(b)fluoranthene	23.61	252	4906	0.255	ng	#	92
36) Benzo(k)fluoranthene	23.66	252	4999	0.253	ng	#	91
37) Benzo(a)pyrene	24.31	252	4581	0.256	ng	#	92
38) Dibenzo(a,h)anthracene	27.26	278	3763	0.240	ng		96
39) Benzo(g,h,i)perylene	28.11	276	4293	0.255	ng	#	92

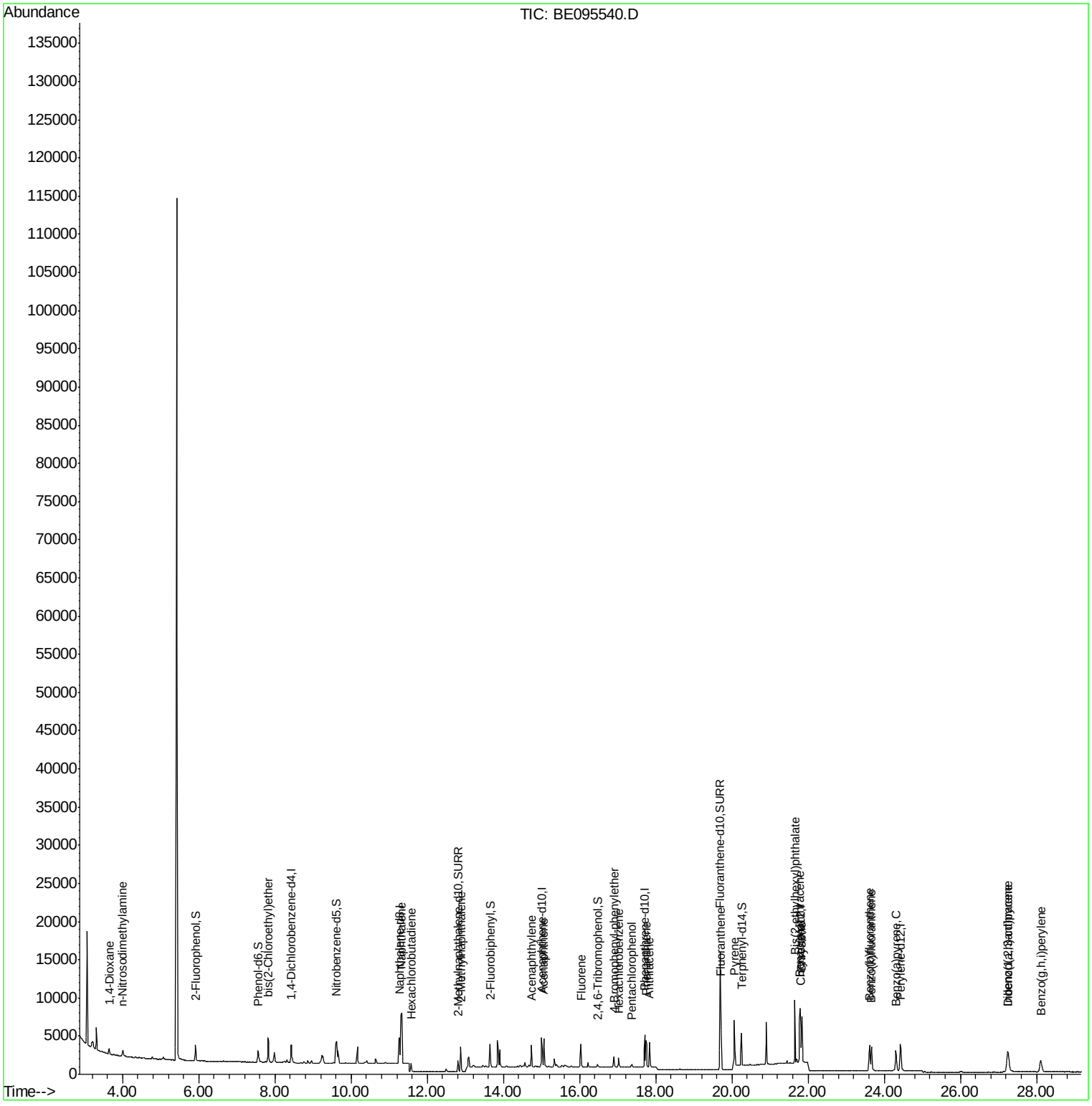
(#) = qualifier out of range (m) = manual integration (+) = signals summed

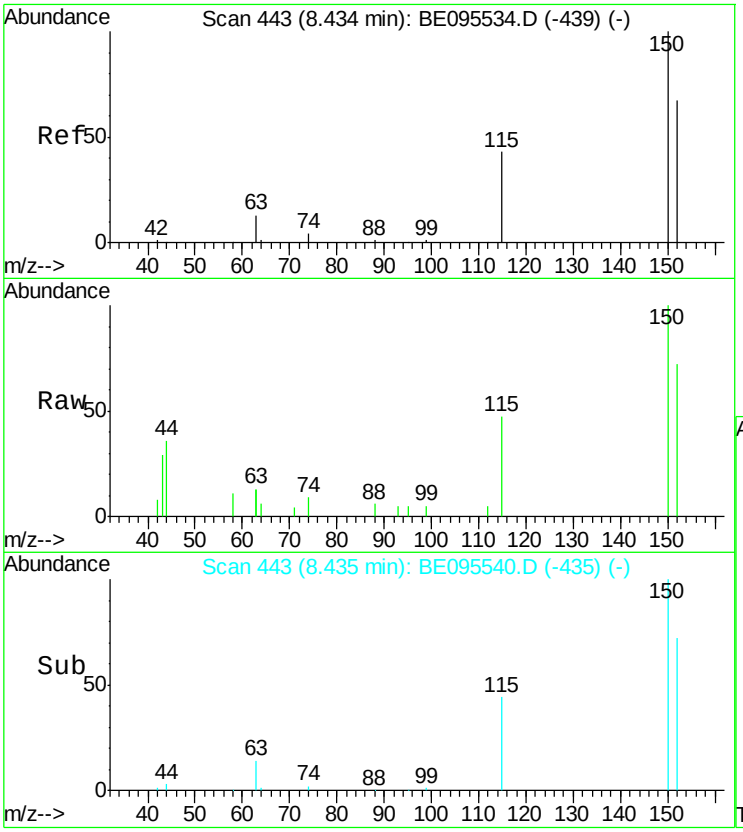
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020618\
Data File : BE095540.D
Acq On : 6 Feb 2018 21:38
Operator : SJ/JU
Sample : PB106169BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Quant Time: Feb 07 04:35:21 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration



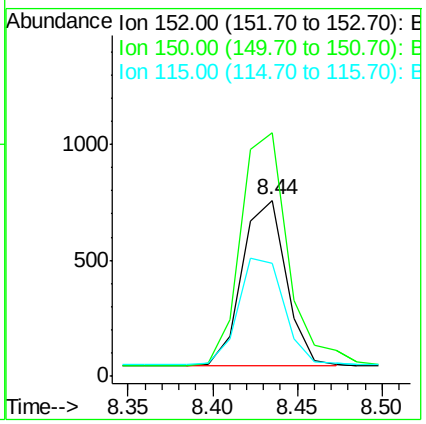


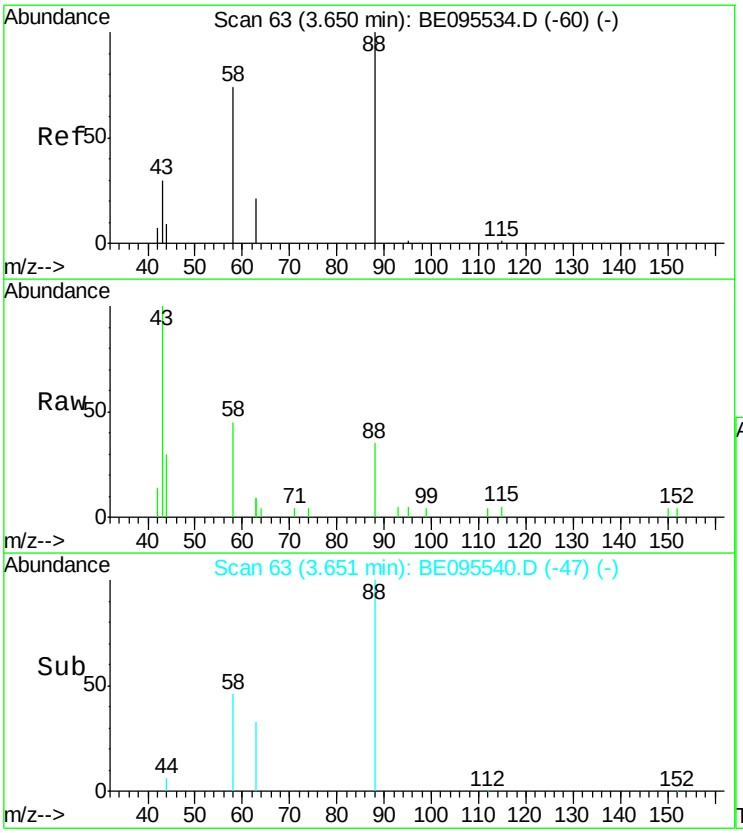
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.44 min Scan# 443
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:152 Resp: 1293

Ion	Ratio	Lower	Upper
152	100		
150	138.2	117.2	175.8
115	64.3	57.0	85.6

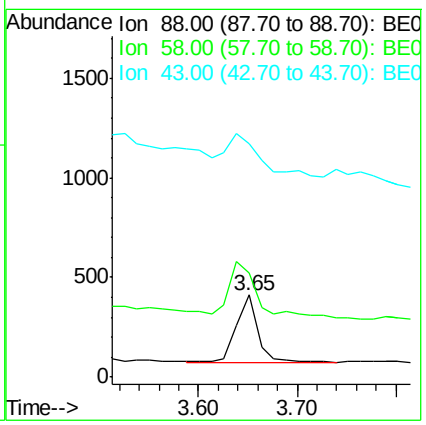


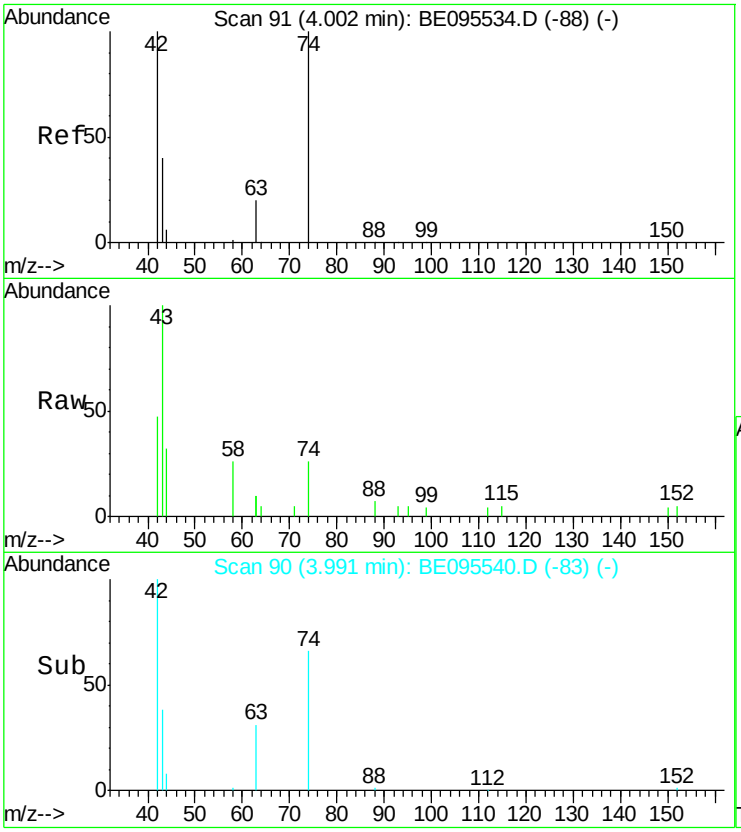


#2
1,4-Dioxane
Concen: 0.231 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion: 88 Resp: 495

Ion	Ratio	Lower	Upper
88	100		
58	124.4	63.2	94.8#
43	103.2	41.2	61.8#



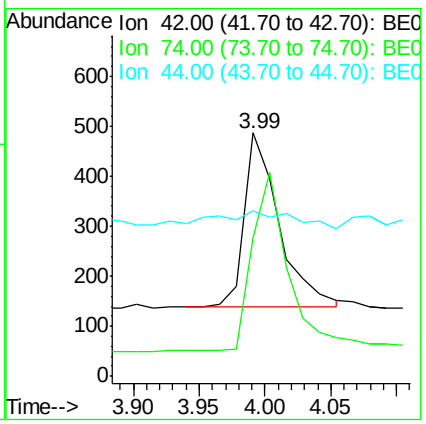


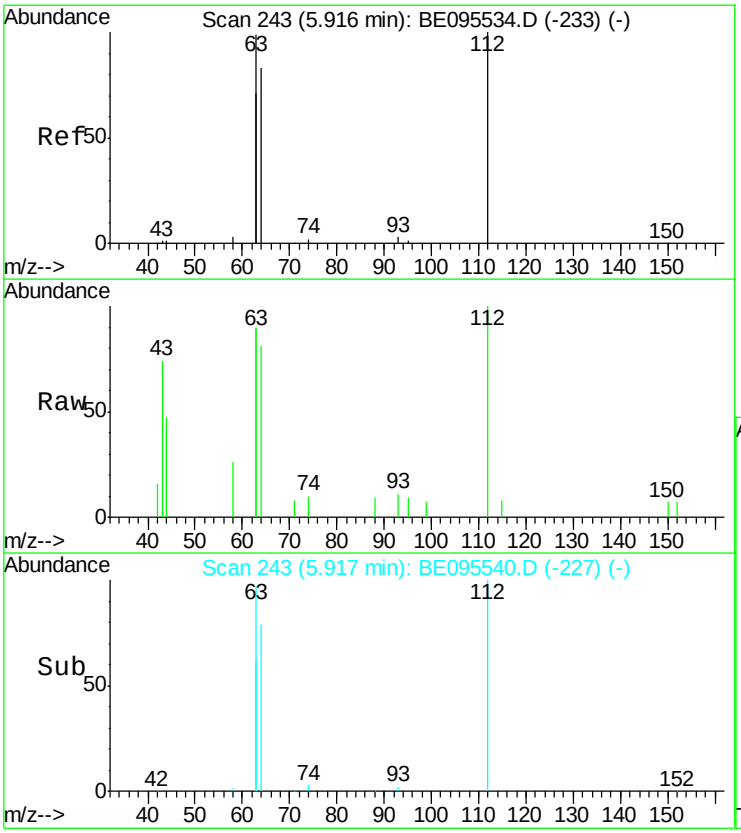
#3
n-Nitrosodimethylamine
Concen: 0.233 ng
RT: 3.99 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion: 42 Resp: 628

Ion	Ratio	Lower	Upper
42	100		
74	106.1	96.0	144.0
44	23.1	12.0	18.0#

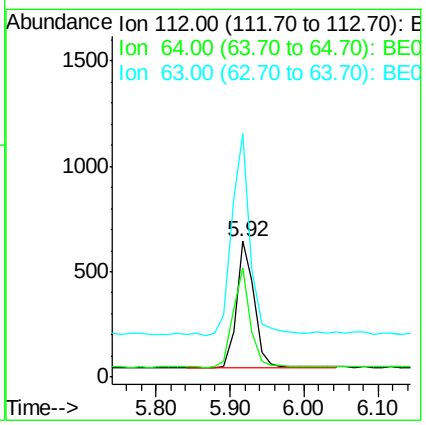


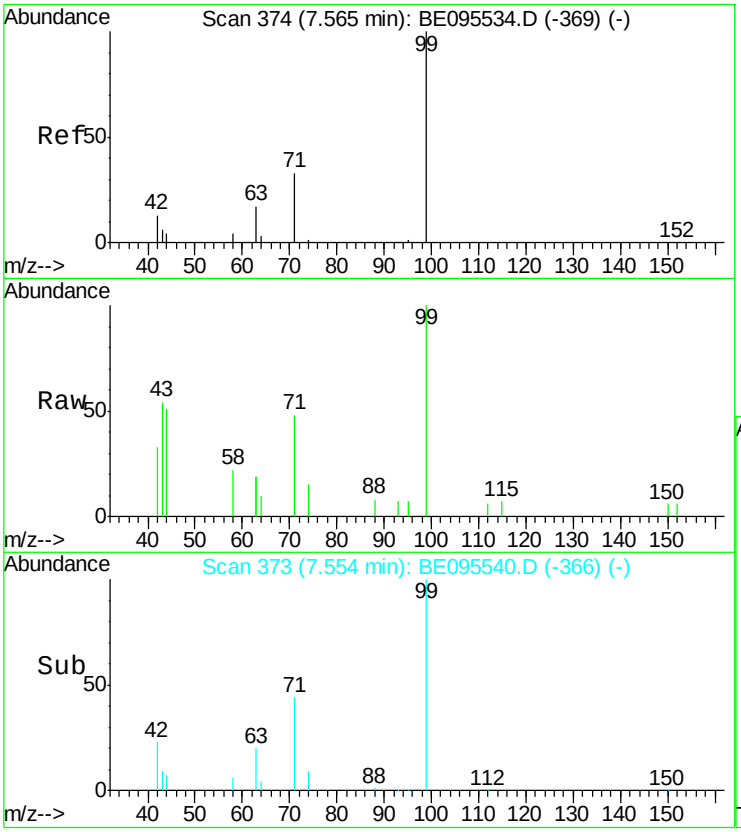


#4
2-Fluorophenol
Concen: 0.254 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:112 Resp: 992

Ion	Ratio	Lower	Upper
112	100		
64	76.1	60.1	90.1
63	164.3	116.8	175.2



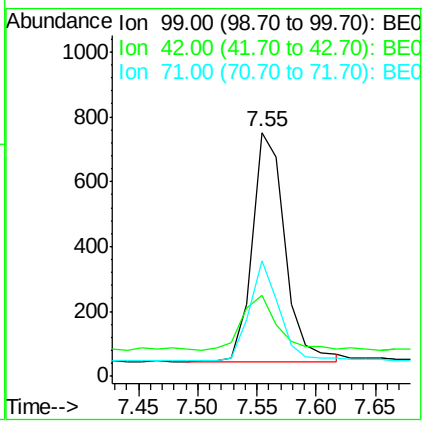


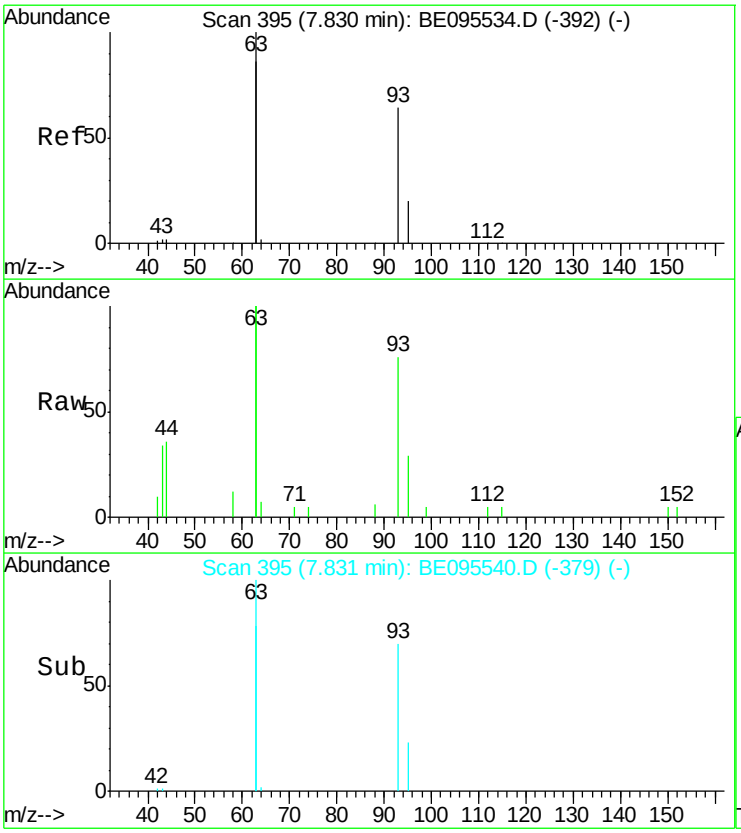
#5
Phenol-d6
Concen: 0.252 ng
RT: 7.55 min Scan# 373
Delta R.T. -0.01 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion: 99 Resp: 1362

Ion	Ratio	Lower	Upper
99	100		
42	25.8	20.2	30.2
71	39.6	28.4	42.6

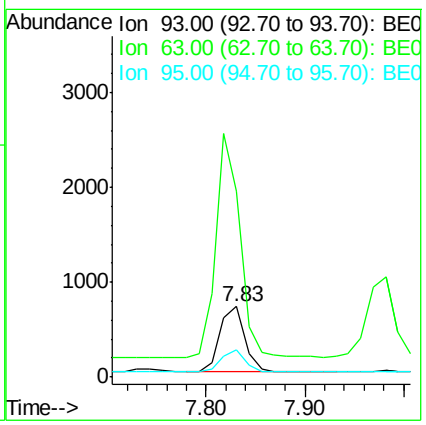


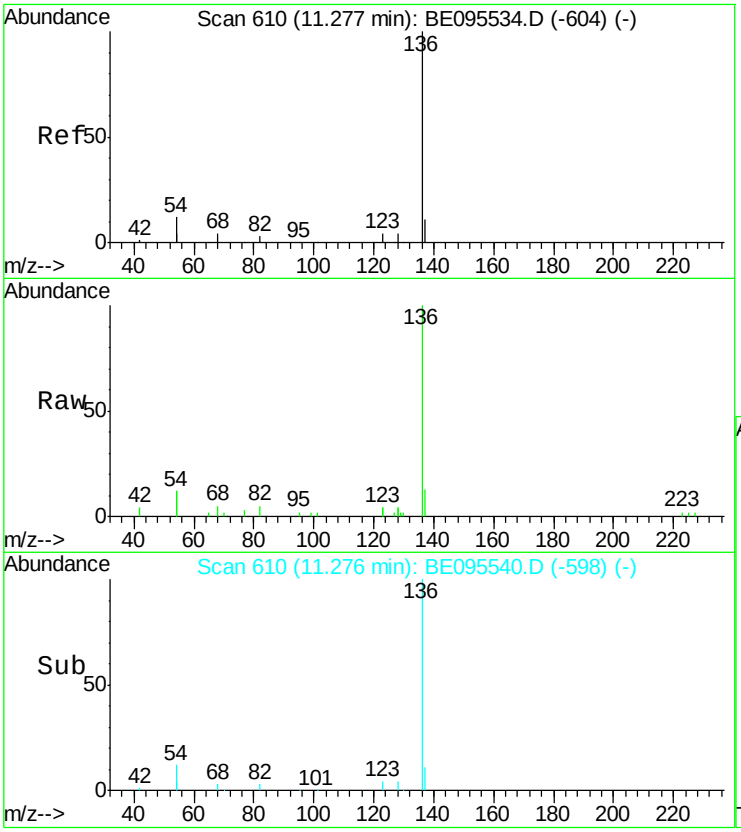


#6
bis(2-Chloroethyl)ether
Concen: 0.246 ng
RT: 7.83 min Scan# 395
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion: 93 Resp: 1221

Ion	Ratio	Lower	Upper
93	100		
63	330.7	275.3	412.9
95	31.4	25.2	37.8



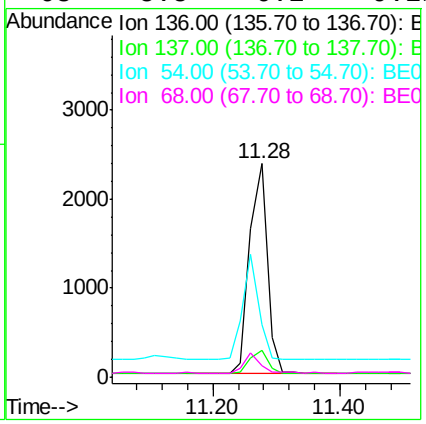


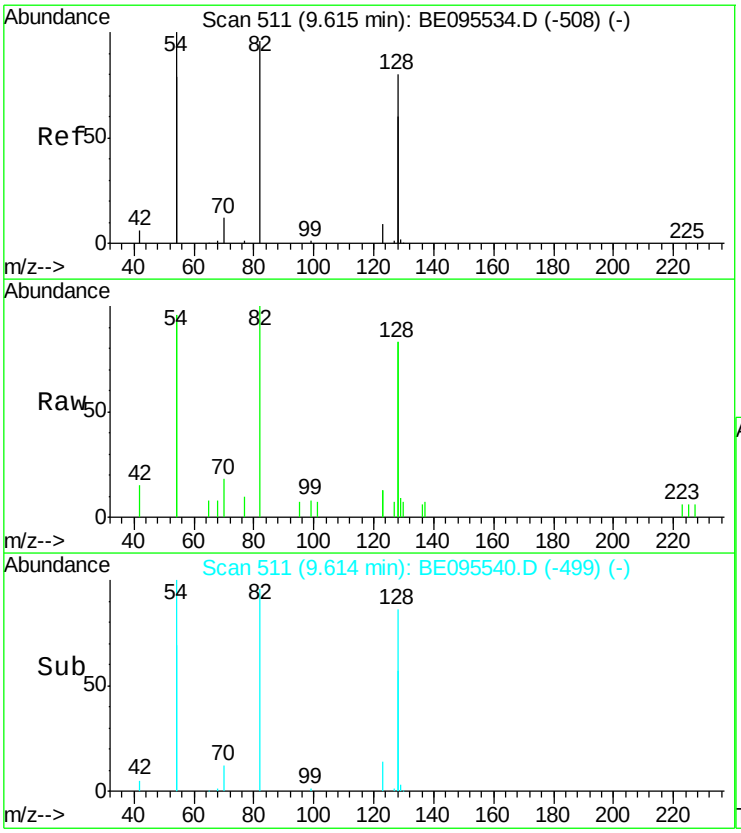
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.28 min Scan# 610
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:136 Resp: 4571

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	24.3	29.1	43.7#
68	5.5	6.2	9.2#

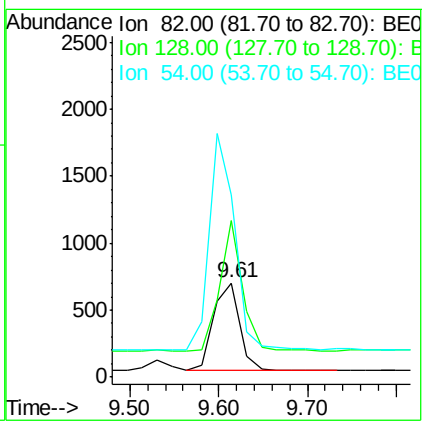


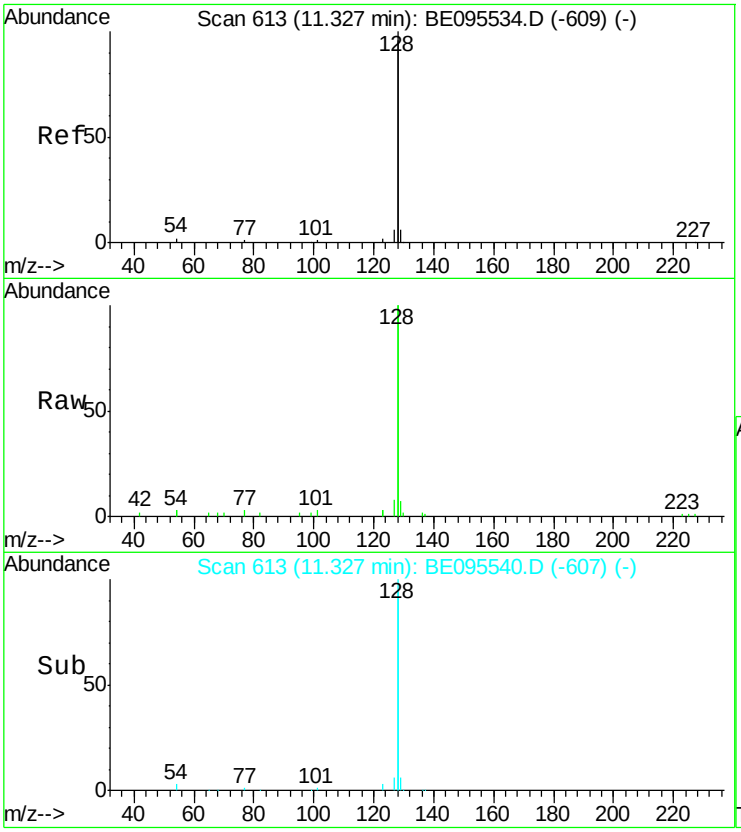


#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 9.61 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion: 82 Resp: 1352

Ion	Ratio	Lower	Upper
82	100		
128	166.2	150.0	225.0
54	192.9	154.2	231.4



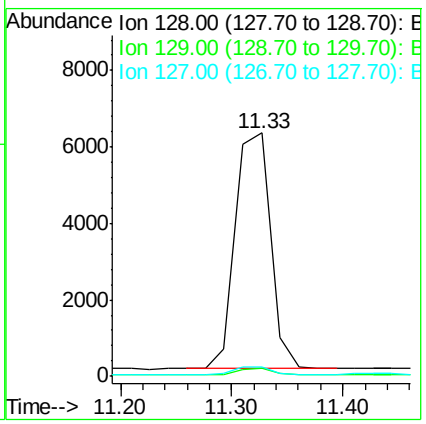


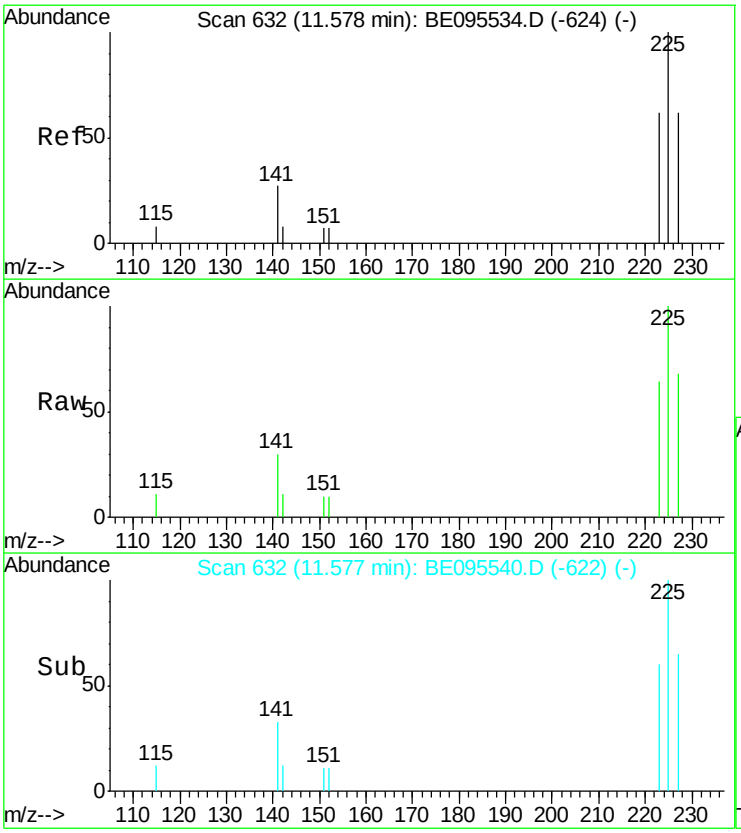
#9
Naphthalene
Concen: 0.255 ng
RT: 11.33 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:128 Resp: 13546

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	3.8
127	3.8	2.8	4.2

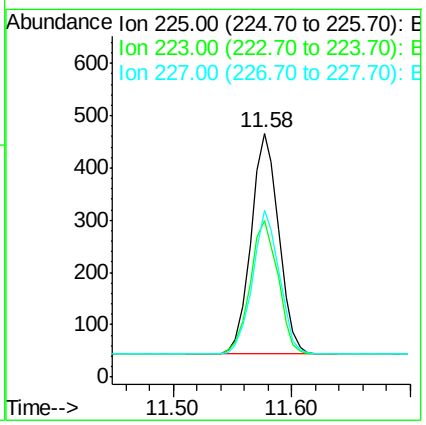


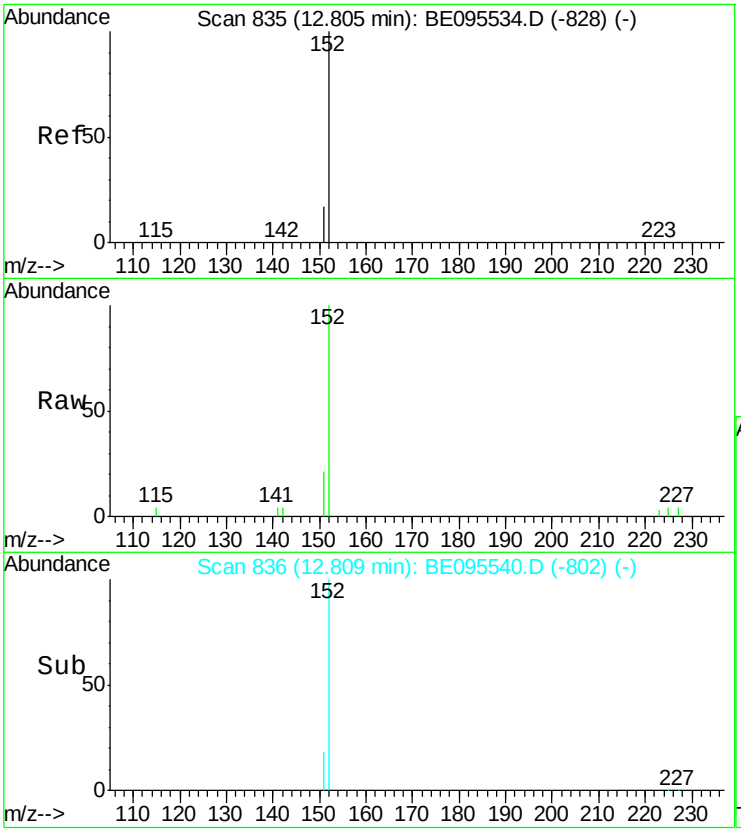


#10
Hexachlorobutadiene
Concen: 0.278 ng
RT: 11.58 min Scan# 632
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:225 Resp: 792

Ion	Ratio	Lower	Upper
225	100		
223	62.0	53.0	79.6
227	54.4	51.4	77.2



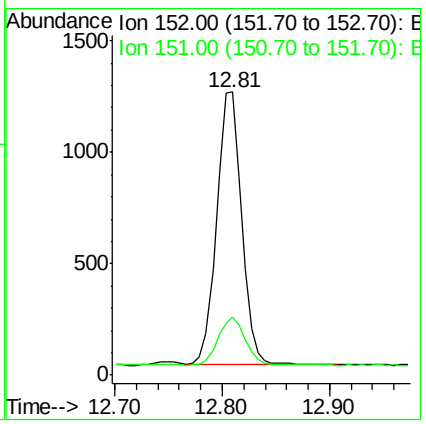


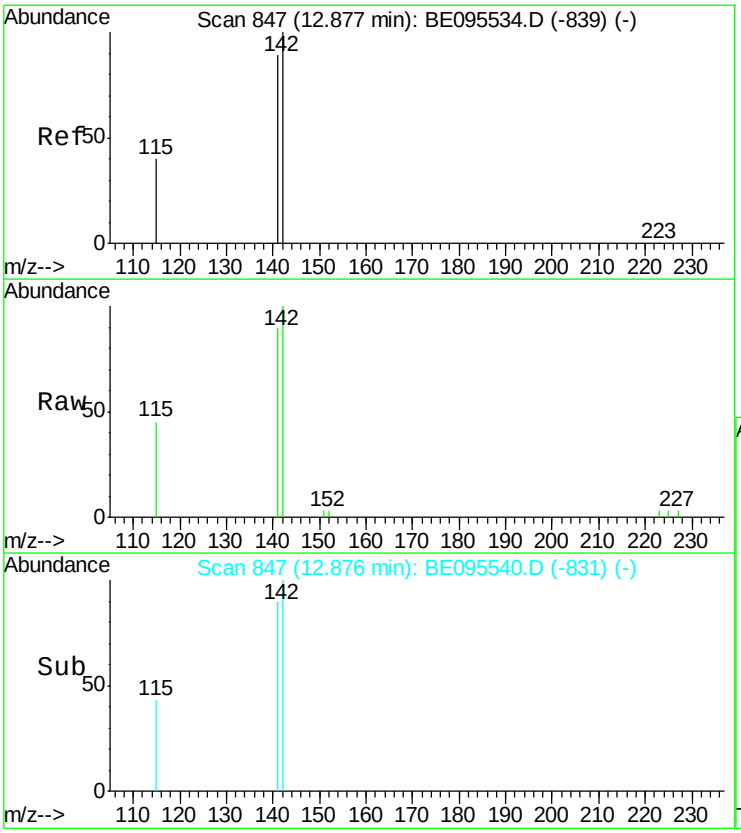
#11
2-Methylnaphthalene-d10
Concen: 0.261 ng
RT: 12.81 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:152 Resp: 1976

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

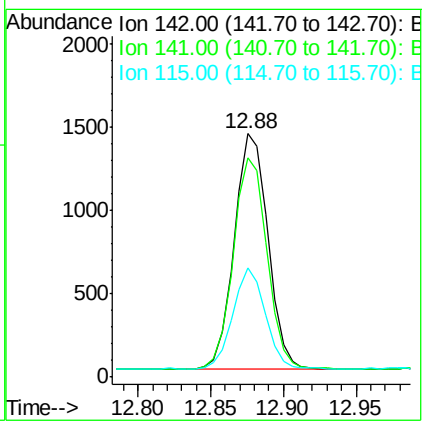


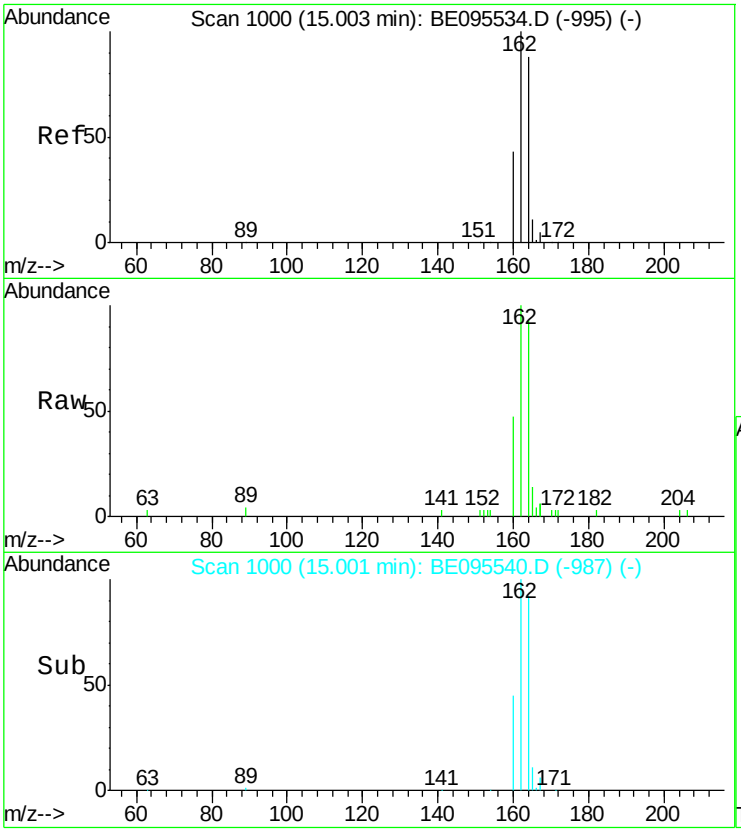


#12
2-Methylnaphthalene
Concen: 0.252 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:142 Resp: 2273

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.4	105.6
115	44.8	31.7	47.5



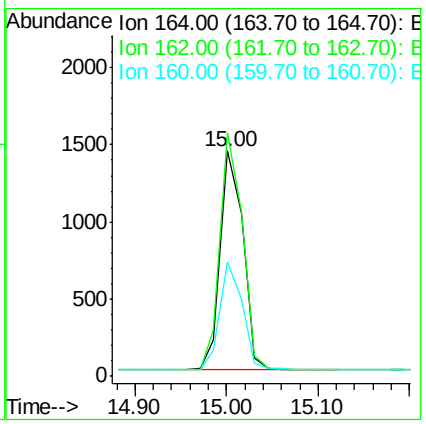


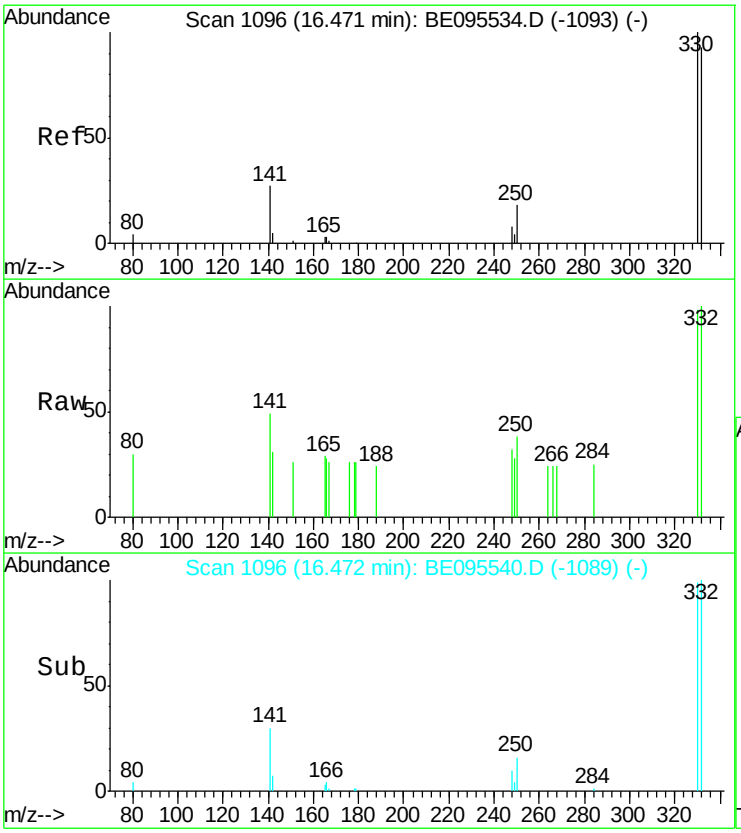
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:164 Resp: 2407

Ion	Ratio	Lower	Upper
164	100		
162	107.9	83.1	124.7
160	50.4	37.1	55.7

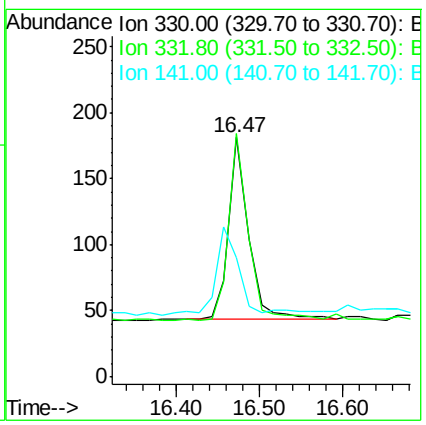


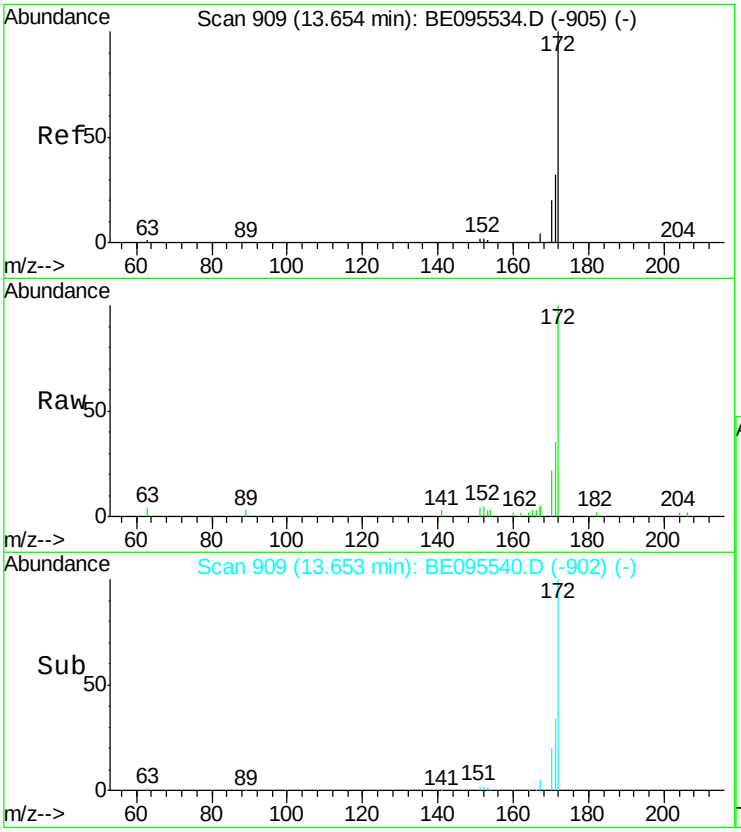


#14
2,4,6-Tribromophenol
Concen: 0.202 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:330 Resp: 222

Ion	Ratio	Lower	Upper
330	100		
332	102.3	152.7	229.1#
141	51.4	33.7	50.5#



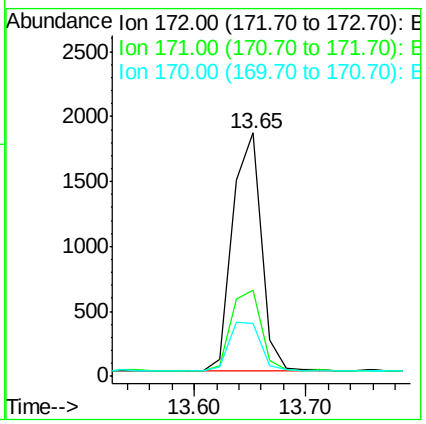


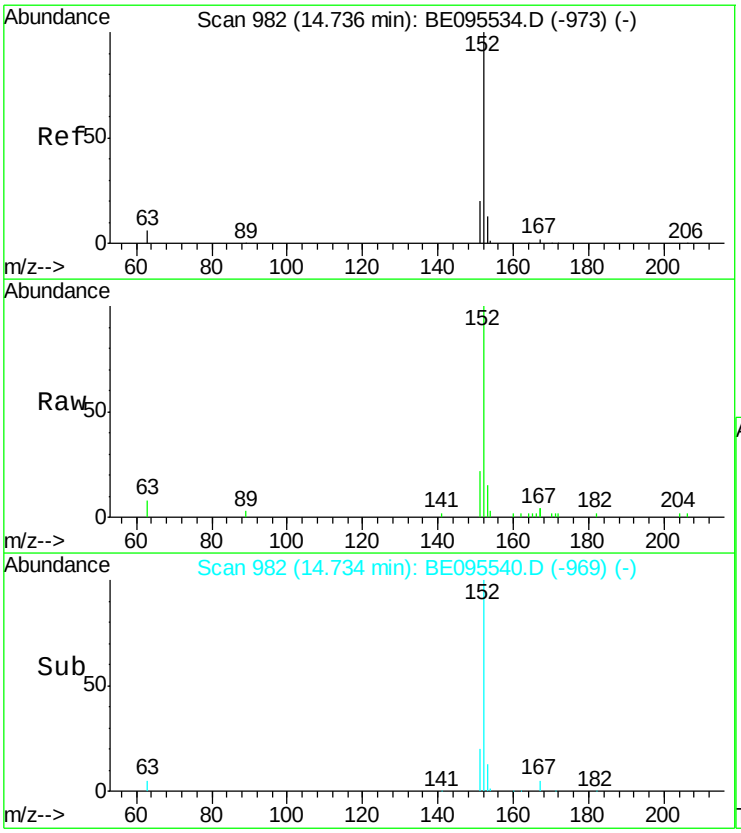
#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:172 Resp: 3248

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.9	44.9
170	21.6	21.8	32.8#

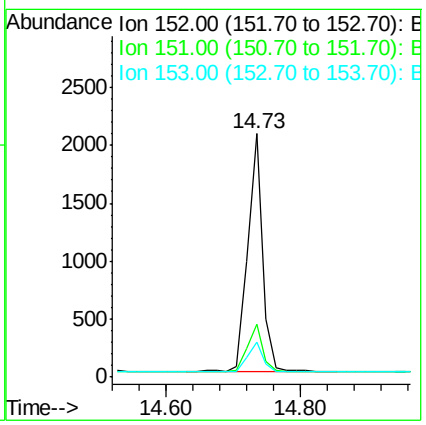


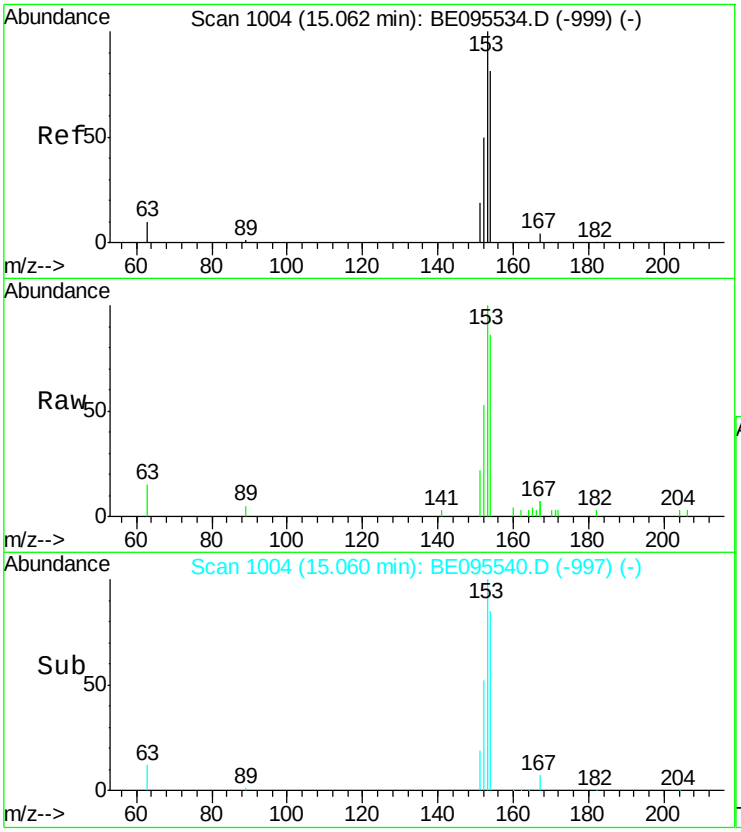


#16
Acenaphthylene
Concen: 0.234 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:152 Resp: 3213

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	12.6	10.5	15.7



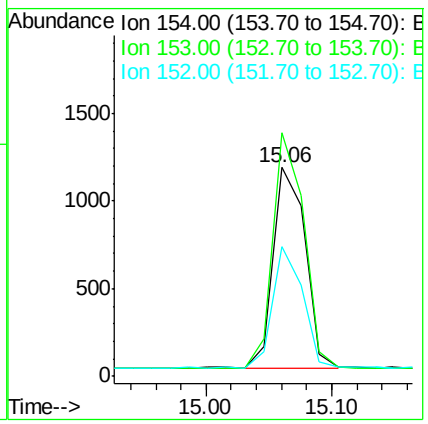


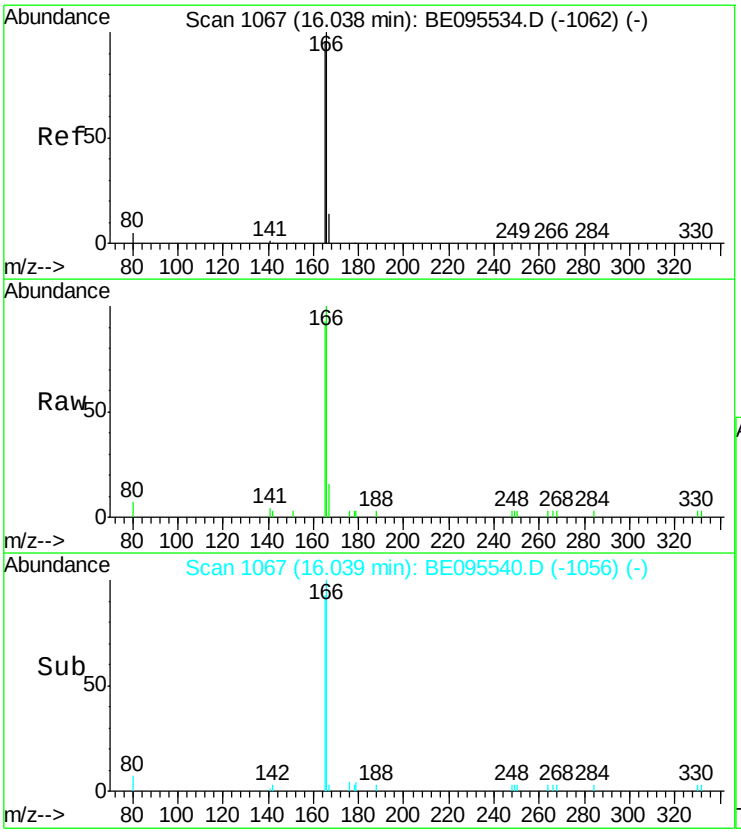
#17
Acenaphthene
Concen: 0.239 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:154 Resp: 2041

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.2	133.8
152	57.2	42.0	63.0

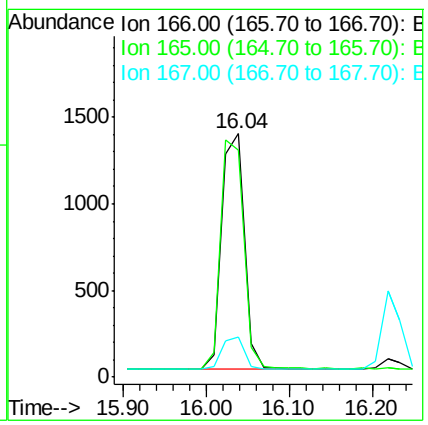


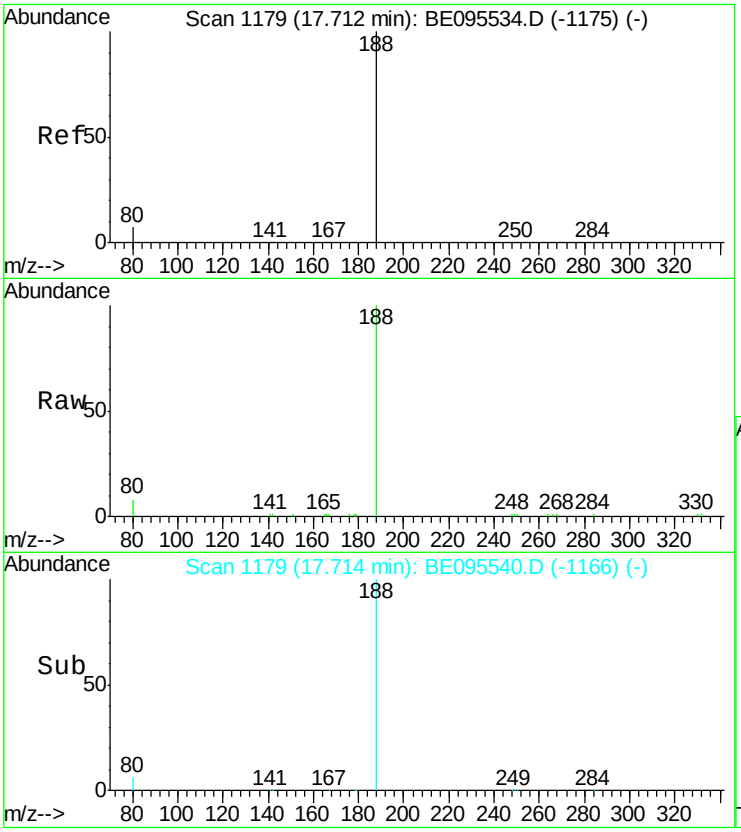


#18
Fluorene
Concen: 0.240 ng
RT: 16.04 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:166 Resp: 2570

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.6
167	14.0	42.4	63.6#



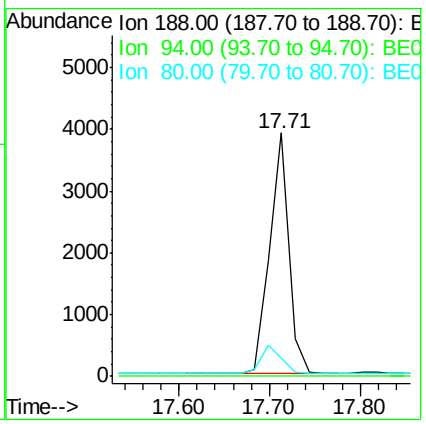


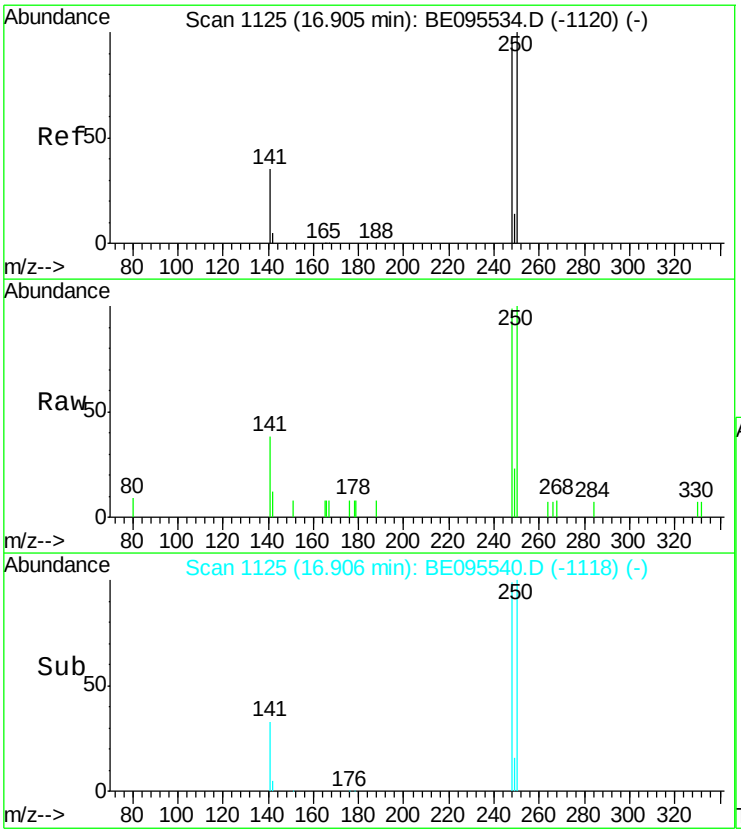
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:188 Resp: 5741

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.5	3.6	5.4#

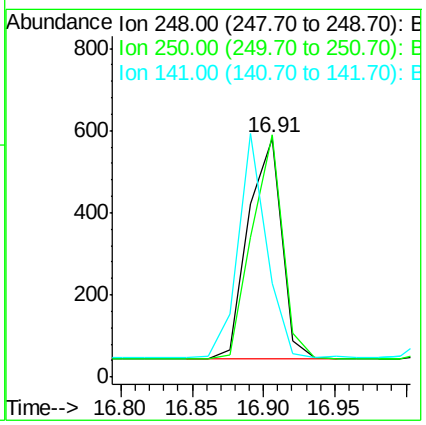


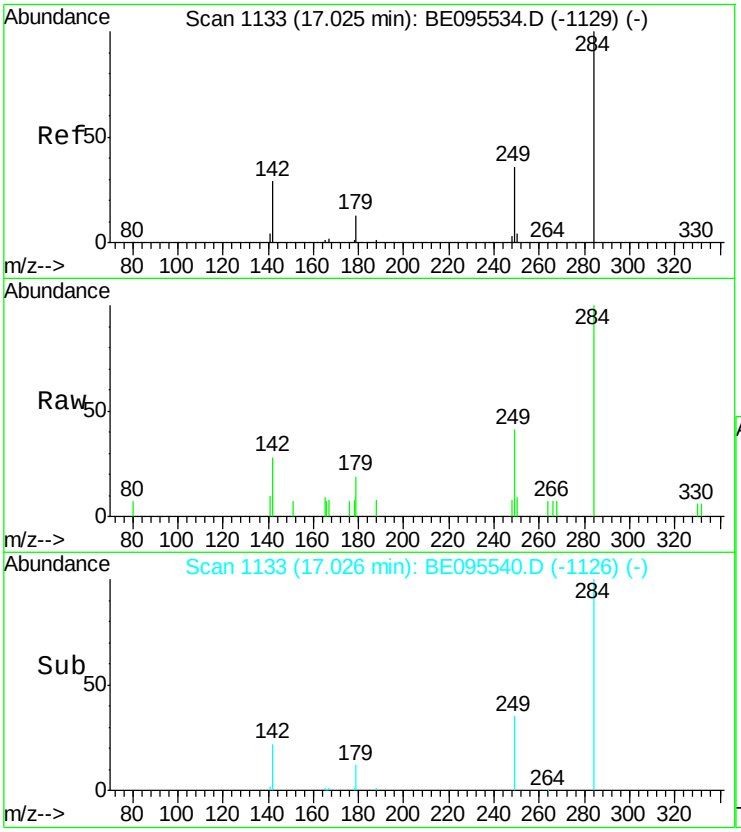


#20
4-Bromophenyl-phenylether
Concen: 0.257 ng
RT: 16.91 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:248 Resp: 887

Ion	Ratio	Lower	Upper
248	100		
250	101.4	62.7	94.1#
141	39.0	48.2	72.2#



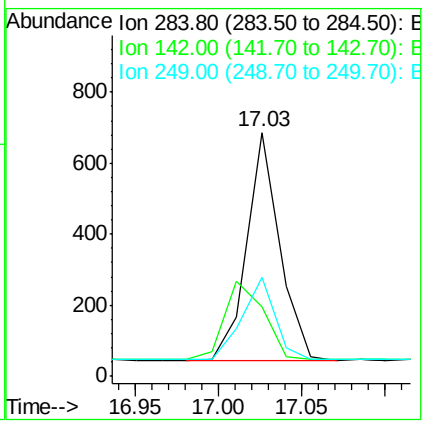


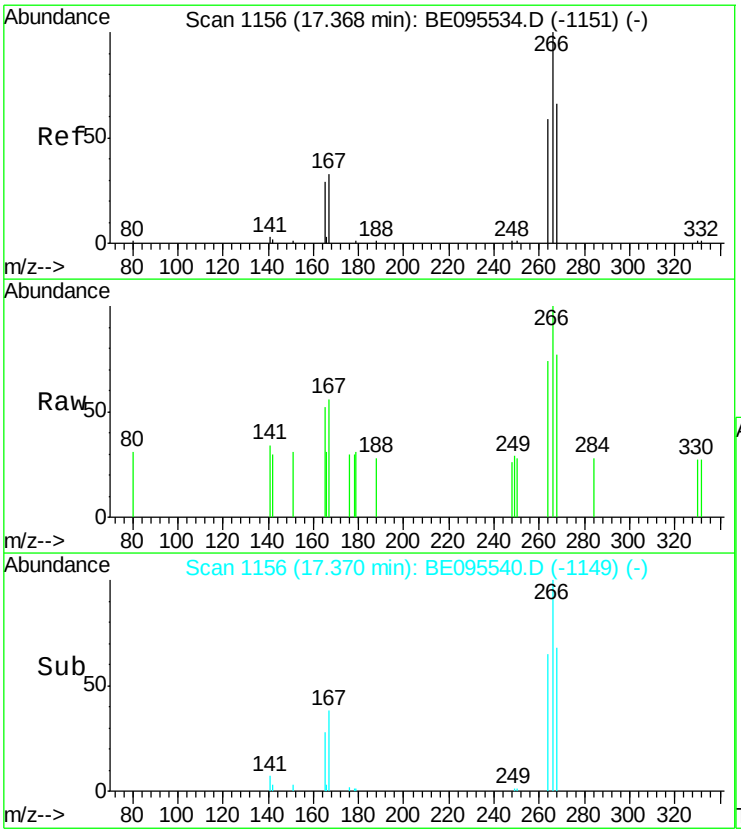
#21
Hexachlorobenzene
Concen: 0.248 ng
RT: 17.03 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:284 Resp: 883

Ion	Ratio	Lower	Upper
284	100		
142	41.1	22.1	33.1#
249	36.4	34.8	52.2

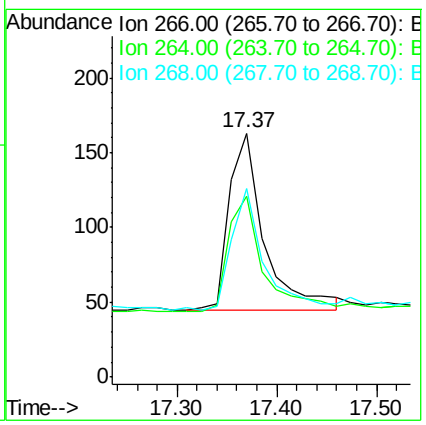


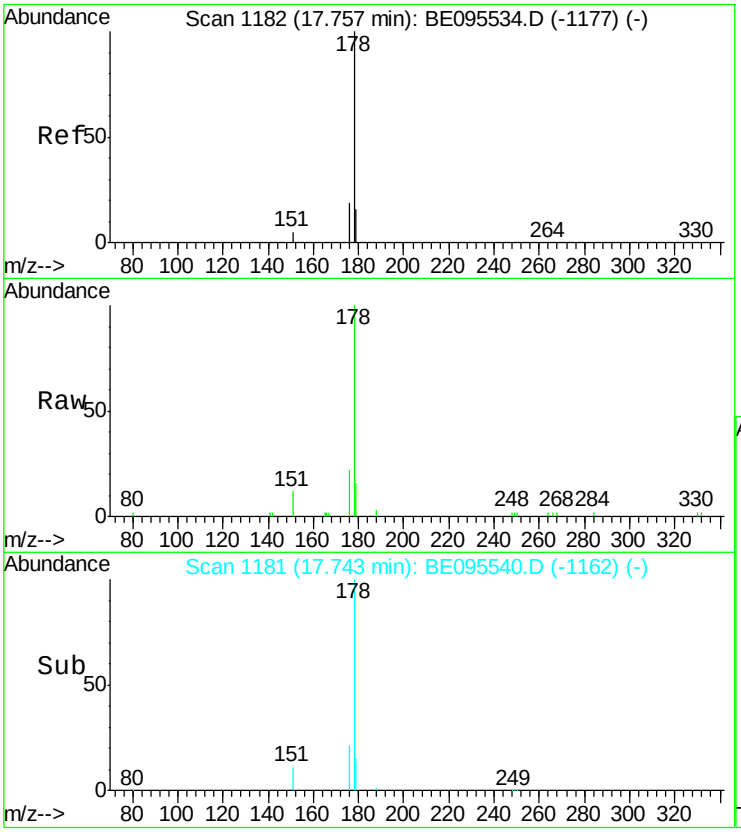


#22
Pentachlorophenol
Concen: 0.357 ng
RT: 17.37 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:266 Resp: 286

Ion	Ratio	Lower	Upper
266	100		
264	74.2	72.5	108.7
268	77.3	73.8	110.6



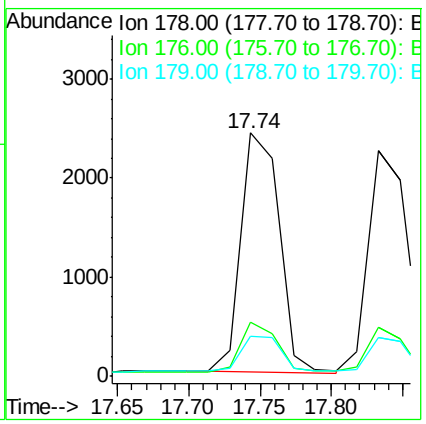


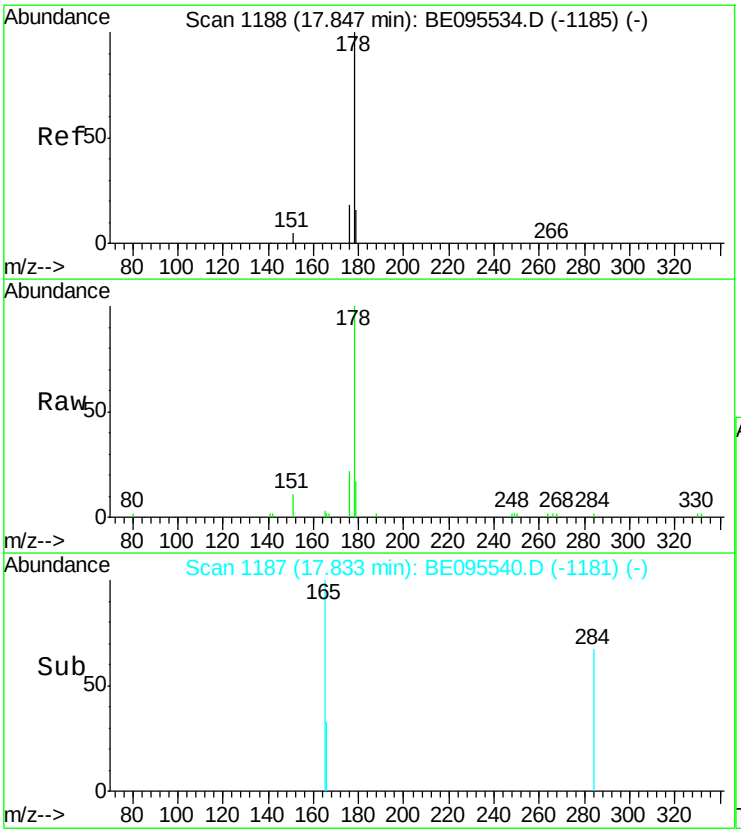
#23
Phenanthrene
Concen: 0.255 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:178 Resp: 4496

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	14.9	11.8	17.6

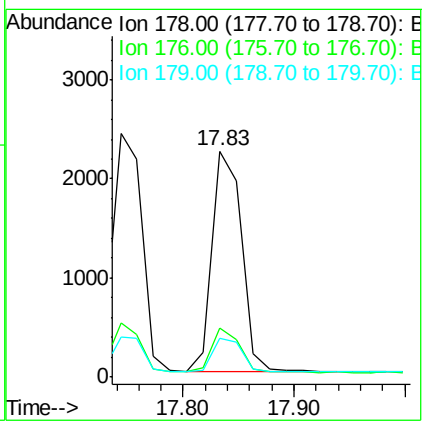


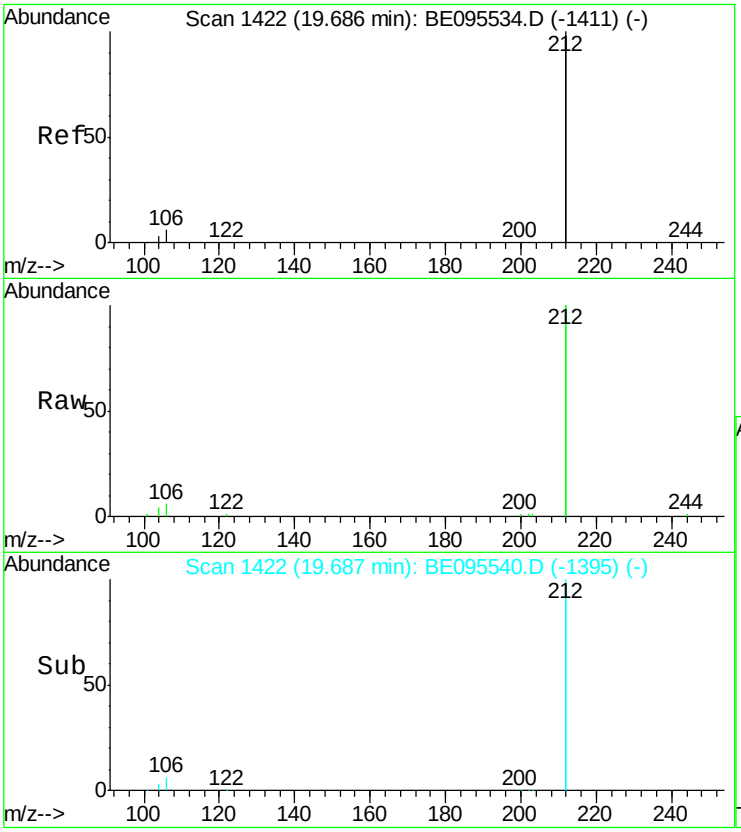


#24
Anthracene
Concen: 0.248 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:178 Resp: 4090

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.6	13.0	19.6



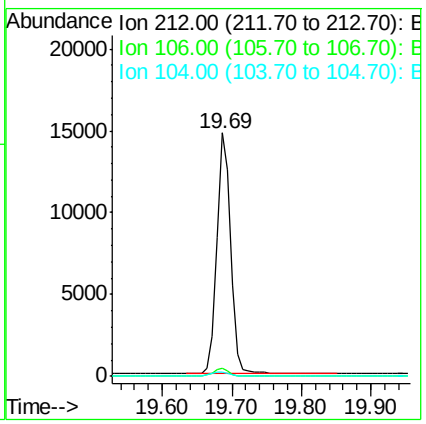


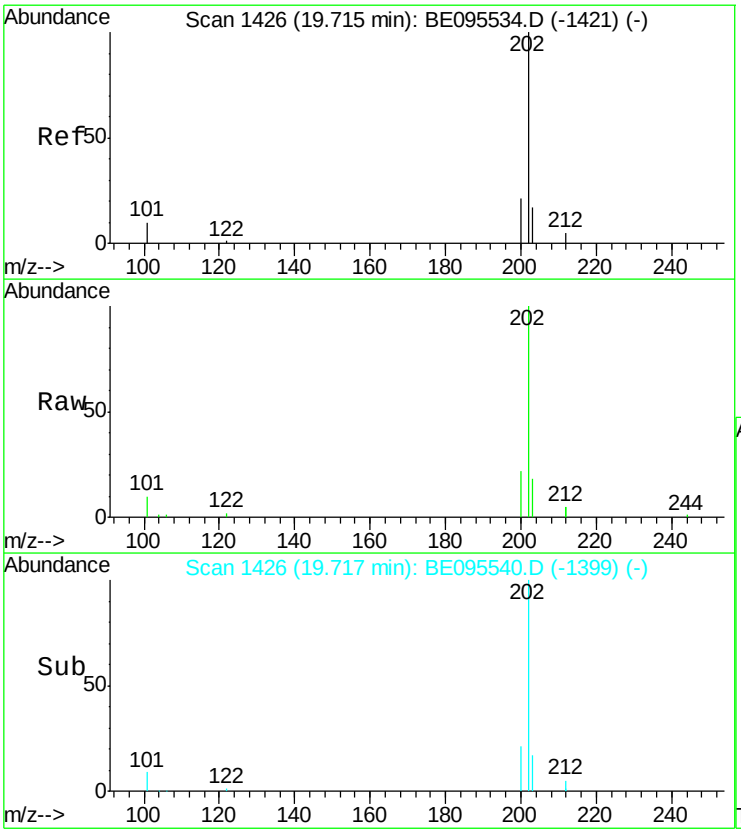
#25
Fluoranthene-d10
Concen: 0.267 ng
RT: 19.69 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:212 Resp: 20220

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

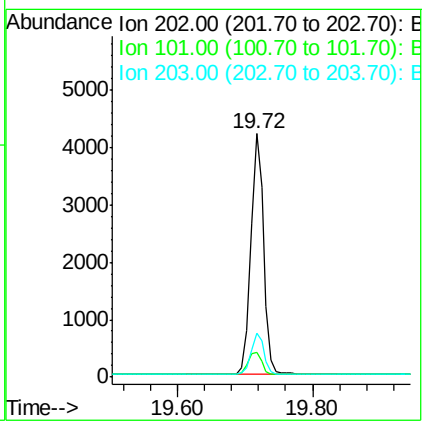


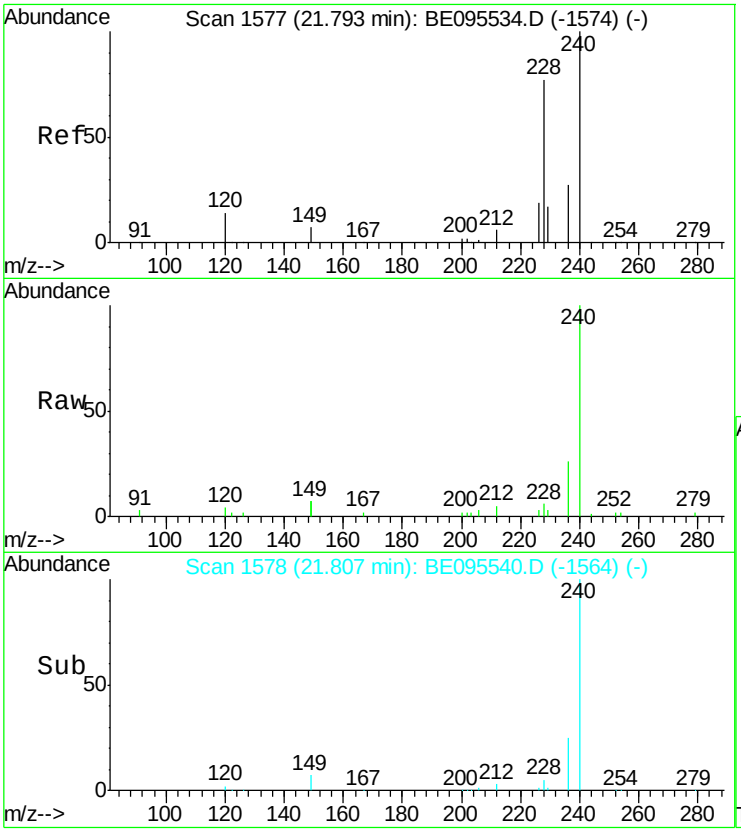


#26
Fluoranthene
Concen: 0.253 ng
RT: 19.72 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:202 Resp: 5624

Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
203	17.1	13.7	20.5



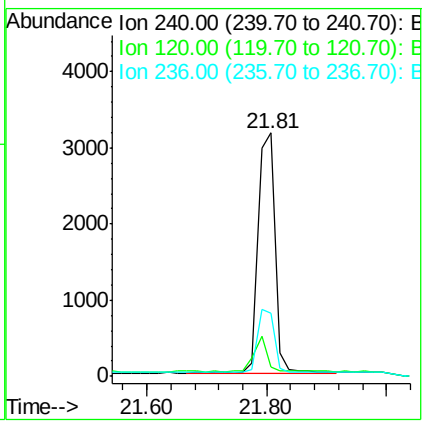


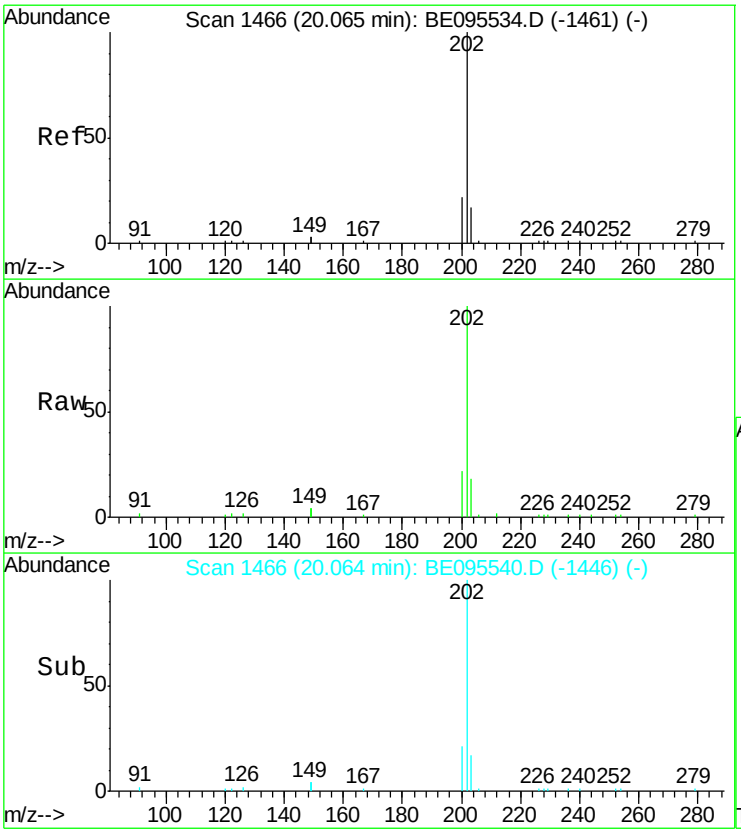
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.81 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:240 Resp: 6168

Ion	Ratio	Lower	Upper
240	100		
120	3.9	5.5	8.3#
236	25.9	20.7	31.1

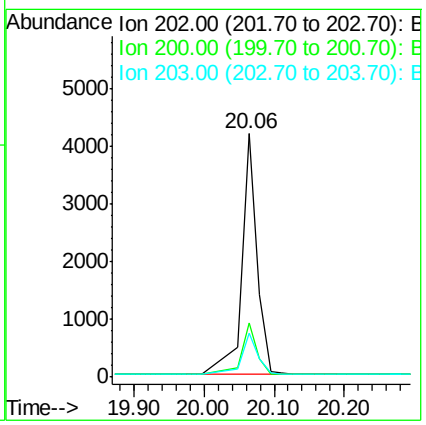


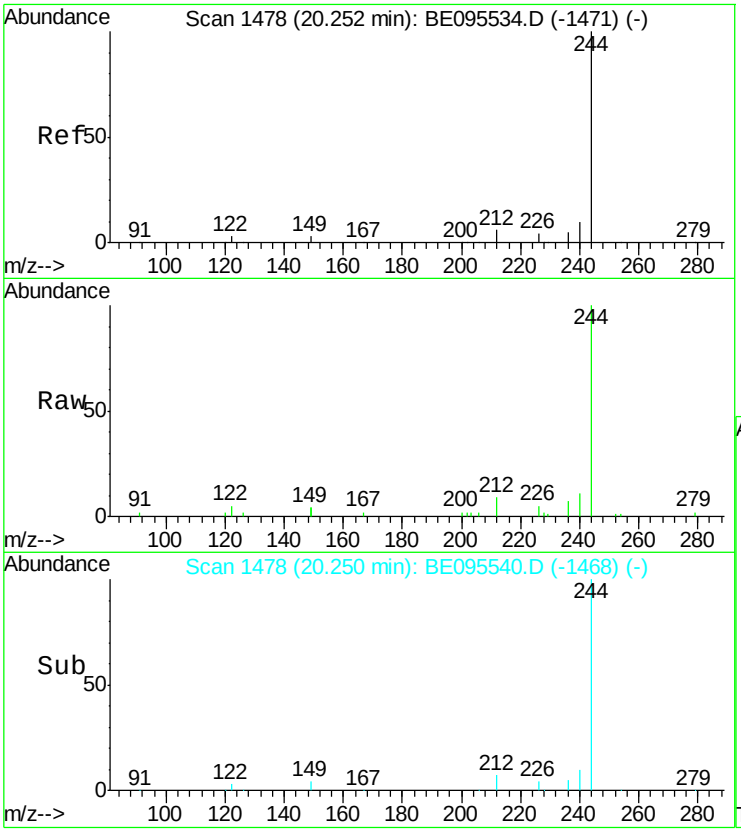


#28
Pyrene
Concen: 0.234 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:202 Resp: 6051

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.6	25.0
203	19.3	13.8	20.8



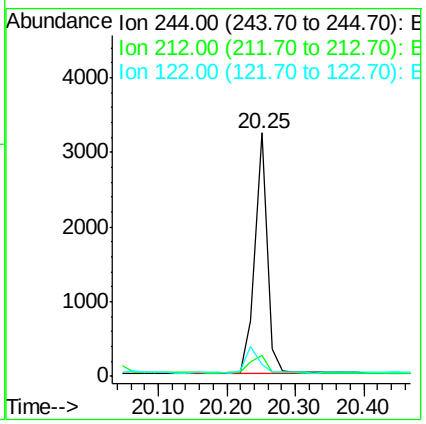


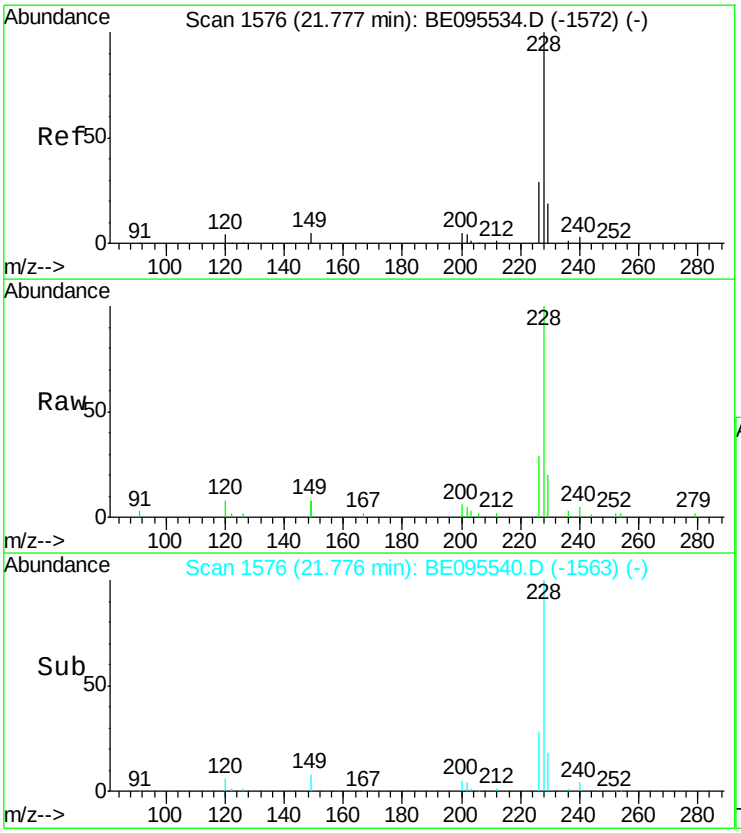
#29
Terphenyl-d14
Concen: 0.307 ng
RT: 20.25 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:244 Resp: 4034

Ion	Ratio	Lower	Upper
244	100		
212	8.7	25.4	38.0#
122	4.7	8.1	12.1#

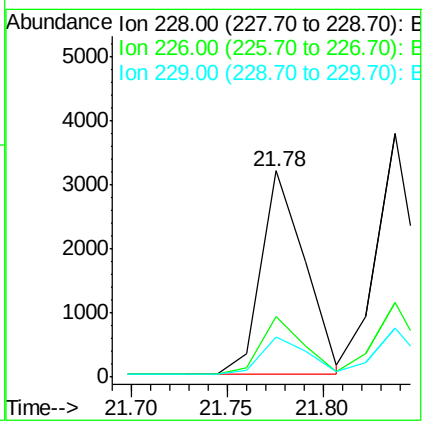


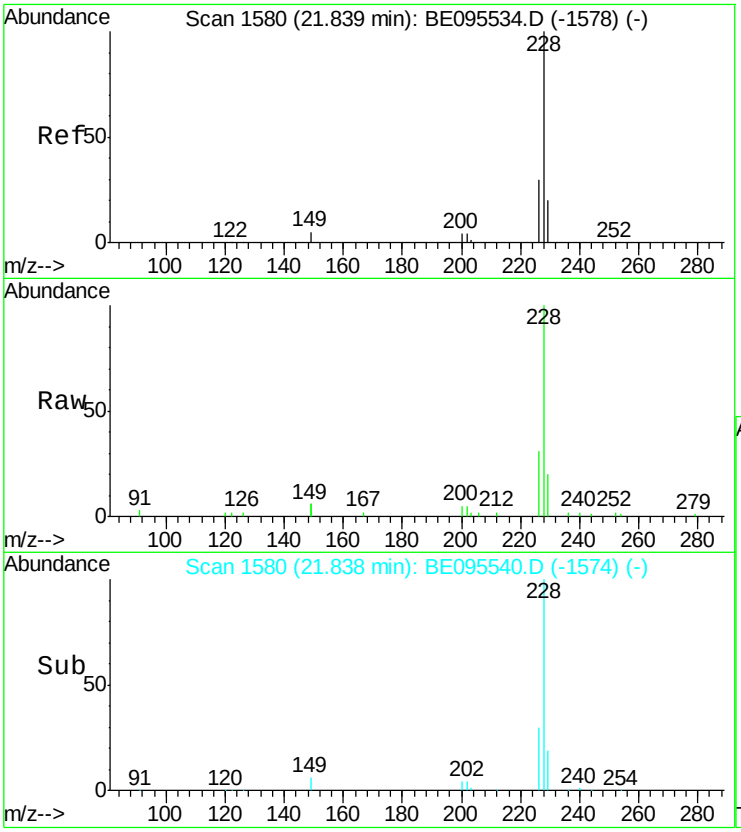


#30
Benzo(a)anthracene
Concen: 0.245 ng
RT: 21.78 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:228 Resp: 5030

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	19.6	16.0	24.0



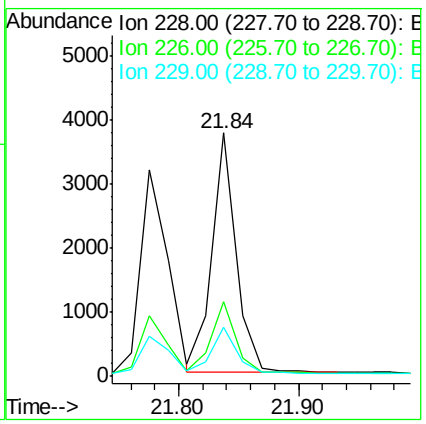


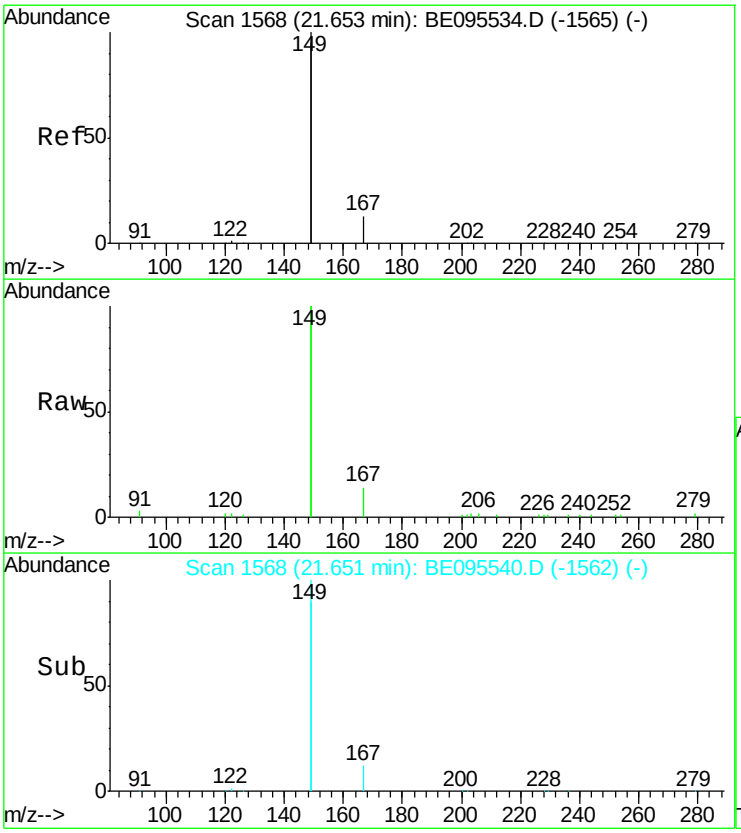
#31
Chrysene
Concen: 0.258 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:228 Resp: 5228

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.1	16.0	24.0

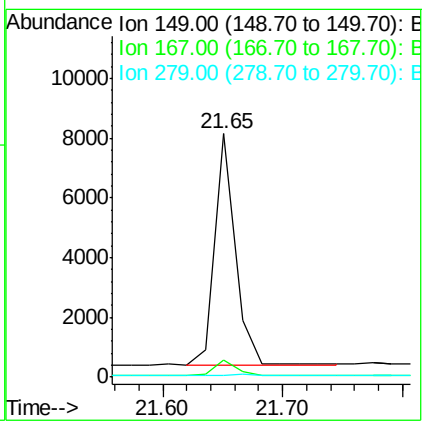


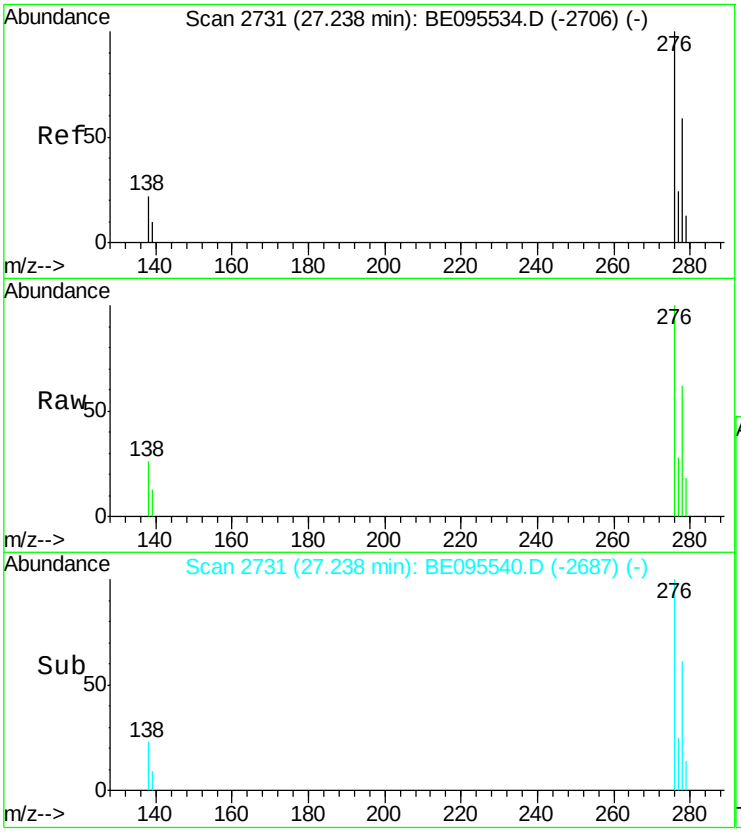


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.195 ng
RT: 21.65 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:149 Resp: 9240

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1



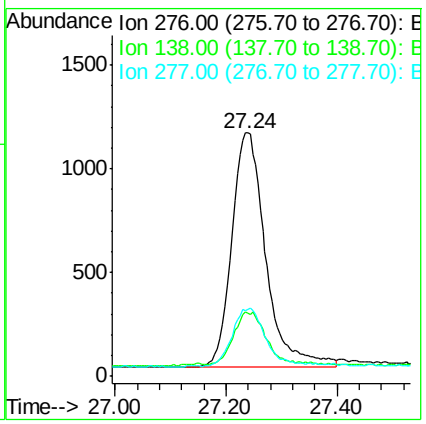


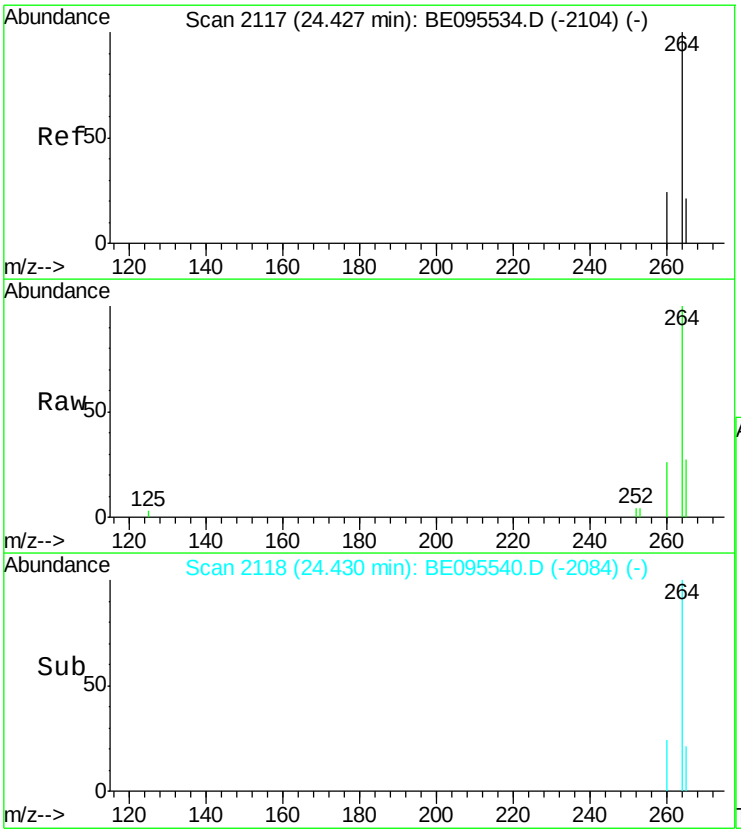
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.246 ng
RT: 27.24 min Scan# 2731
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:276 Resp: 4805

Ion	Ratio	Lower	Upper
276	100		
138	21.3	22.5	33.7#
277	24.3	19.9	29.9

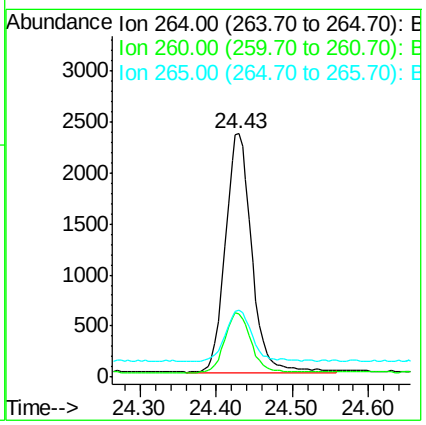


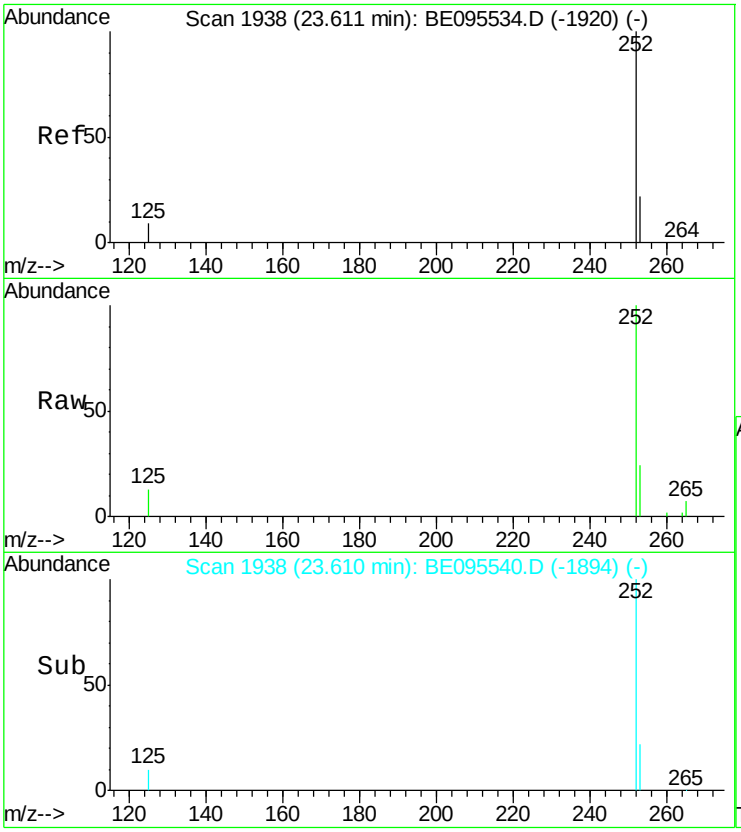


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:264 Resp: 5637

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	27.3	22.8	34.2



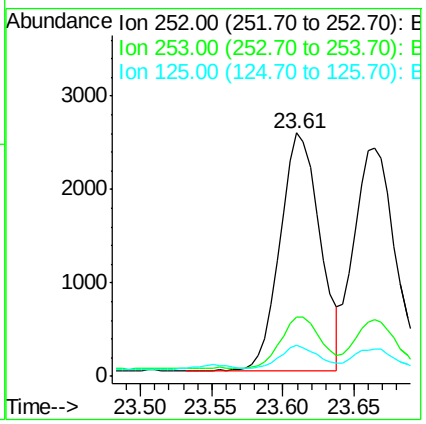


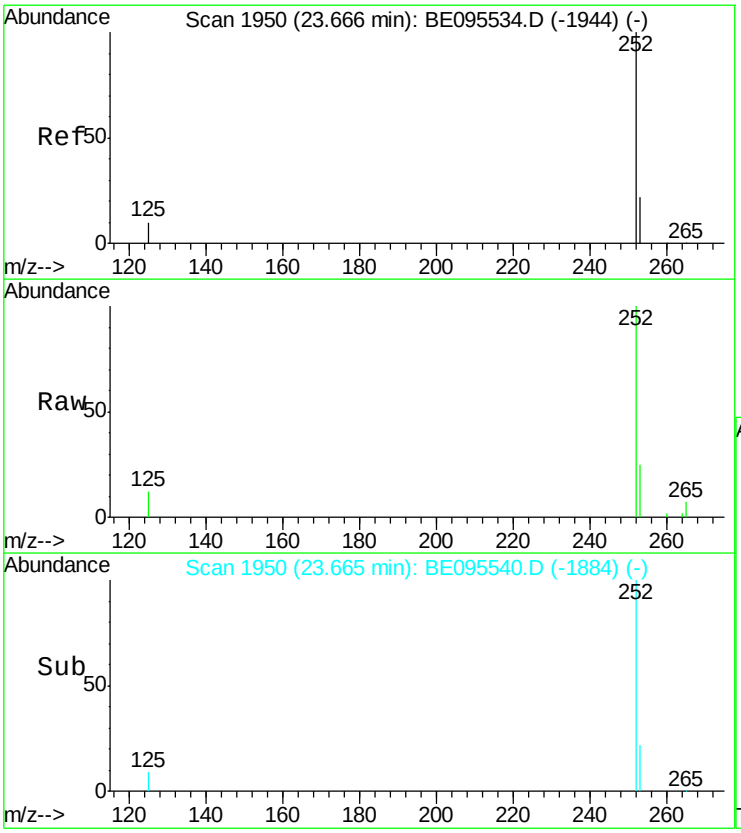
#35
Benzo(b)fluoranthene
Concen: 0.255 ng
RT: 23.61 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:252 Resp: 4906

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.0	30.0
125	12.9	16.0	24.0#

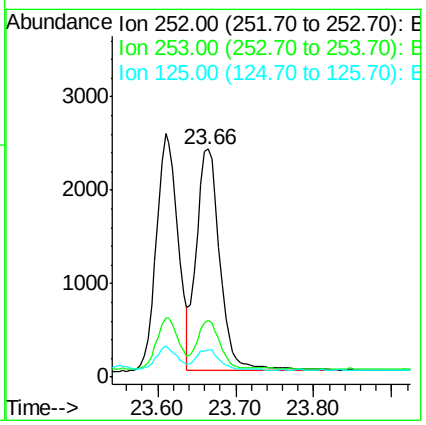


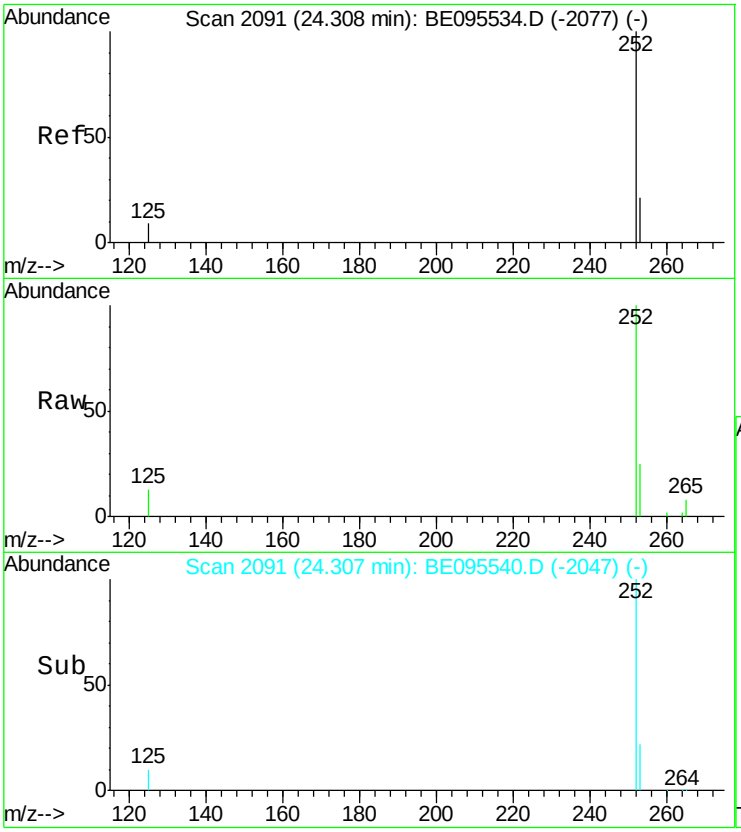


#36
Benzo(k)fluoranthene
Concen: 0.253 ng
RT: 23.66 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:252 Resp: 4999

Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.0	24.0#
125	12.0	8.0	12.0#



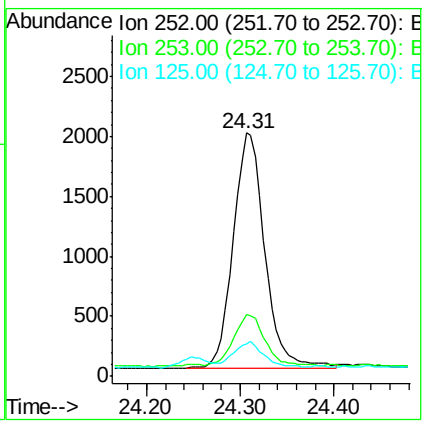


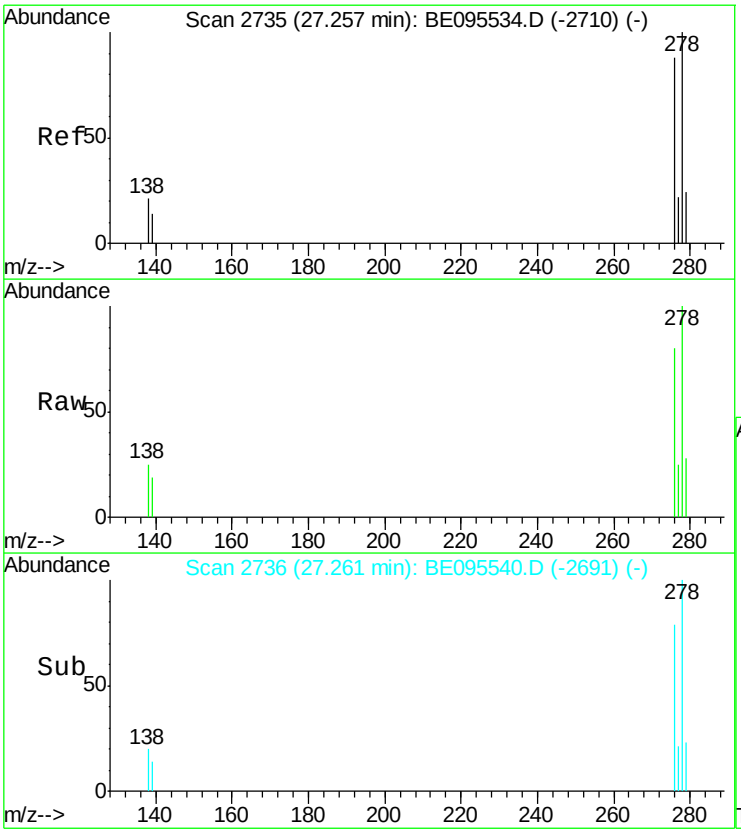
#37
Benzo(a)pyrene
Concen: 0.256 ng
RT: 24.31 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:252 Resp: 4581

Ion	Ratio	Lower	Upper
252	100		
253	25.5	16.0	24.0#
125	13.4	12.0	18.0

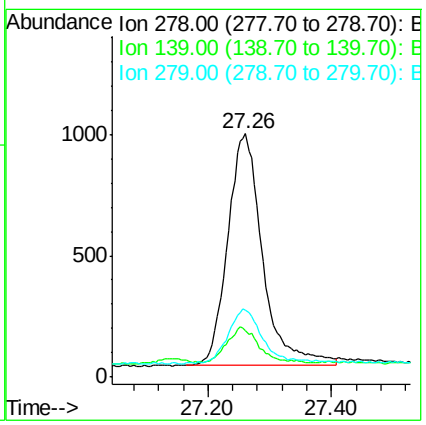


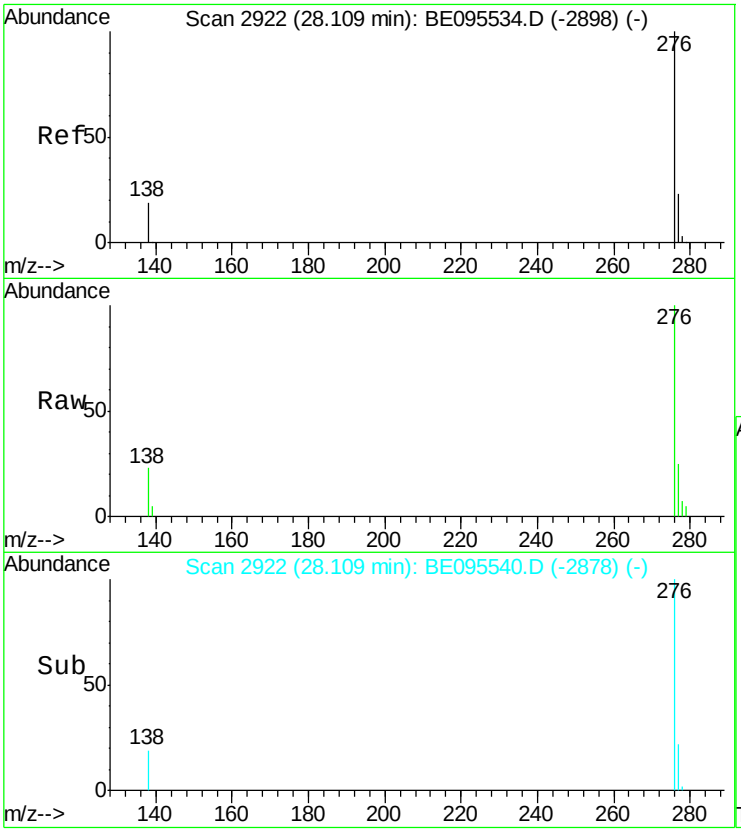


#38
Dibenzo(a,h)anthracene
Concen: 0.240 ng
RT: 27.26 min Scan# 2736
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Tgt Ion:278 Resp: 3763

Ion	Ratio	Lower	Upper
278	100		
139	19.2	16.0	24.0
279	27.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.255 ng
RT: 28.11 min Scan# 2922
Delta R.T. 0.00 min
Lab File: BE095540.D
Acq: 6 Feb 2018 21:38

Instrument :
BNA_E
ClientSampleId :
PB106169BS

Tgt Ion:276 Resp: 4293

Ion	Ratio	Lower	Upper
276	100		
277	25.4	16.0	24.0#
138	22.7	20.0	30.0