Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
Data File : BE095554.D
Acq On : 7 Feb 2018 15:53
Operator : SJ/JU
Sample : J1161-02
Misc : LOO 0.2ppm
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Feb 08 01:15:40 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	8.43	152	1200	0.40	ng		0.00
7) Naphthalene-d8	11.28	136	4688	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	2696	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	6372	0.40	ng		0.00
27) Chrysene-d12	21.79	240	6515	0.40	ng		0.00
34) Perylene-d12	24.43	264	5897	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	1165	0.32	ng		0.00
5) Phenol-d6	7.55	99	1560	0.31	ng		-0.01
8) Nitrobenzene-d5	9.62	82	1615	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	2760	0.36	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	333	0.27	ng		0.00
15) 2-Fluorobiphenyl	13.65	172	4064	0.35	ng		0.00
25) Fluoranthene-d10	19.69	212	28740	0.34	ng		0.00
29) Terphenyl-d14	20.25	244	4671	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	379	0.191	ng	#	84
3) n-Nitrosodimethylamine	4.00	42	437	0.175	ng		83
6) bis(2-Chloroethyl)ether	7.83	93	882	0.191	ng		91
9) Naphthalene	11.31	128	10390	0.191	ng	#	98
10) Hexachlorobutadiene	11.58	225	512	0.175	ng	#	90
12) 2-Methylnaphthalene	12.88	142	1784	0.193	ng		95
16) Acenaphthylene	14.73	152	2812	0.183	ng		98
17) Acenaphthene	15.06	154	1829	0.191	ng		94
18) Fluorene	16.04	166	2297	0.191	ng	#	80
20) 4-Bromophenyl-phenylether	16.91	248	739	0.193	ng	#	69
21) Hexachlorobenzene	17.03	284	793	0.201	ng	#	81
22) Pentachlorophenol	17.37	266	138	0.247	ng		84
23) Phenanthrene	17.74	178	3904	0.200	ng		99
24) Anthracene	17.83	178	3398	0.186	ng		97
26) Fluoranthene	19.72	202	4693	0.190	ng		98
28) Pyrene	20.07	202	5111	0.187	ng		96
30) Benzo(a)anthracene	21.78	228	4025	0.185	ng		100
31) Chrysene	21.84	228	4052	0.189	ng		98
32) Bis(2-ethylhexyl)phthalate	21.65	149	7882	0.158	ng		100
33) Indeno(1,2,3-cd)pyrene	27.24	276	3637	0.176	ng	#	94
35) Benzo(b)fluoranthene	23.61	252	3862	0.192	ng	#	93
36) Benzo(k)fluoranthene	23.66	252	3970	0.192	ng	#	91
37) Benzo(a)pyrene	24.31	252	3625	0.194	ng	#	92
38) Dibenzo(a,h)anthracene	27.26	278	2826	0.173	ng		96
39) Benzo(g,h,i)perylene	28.11	276	3238	0.184	ng	#	92

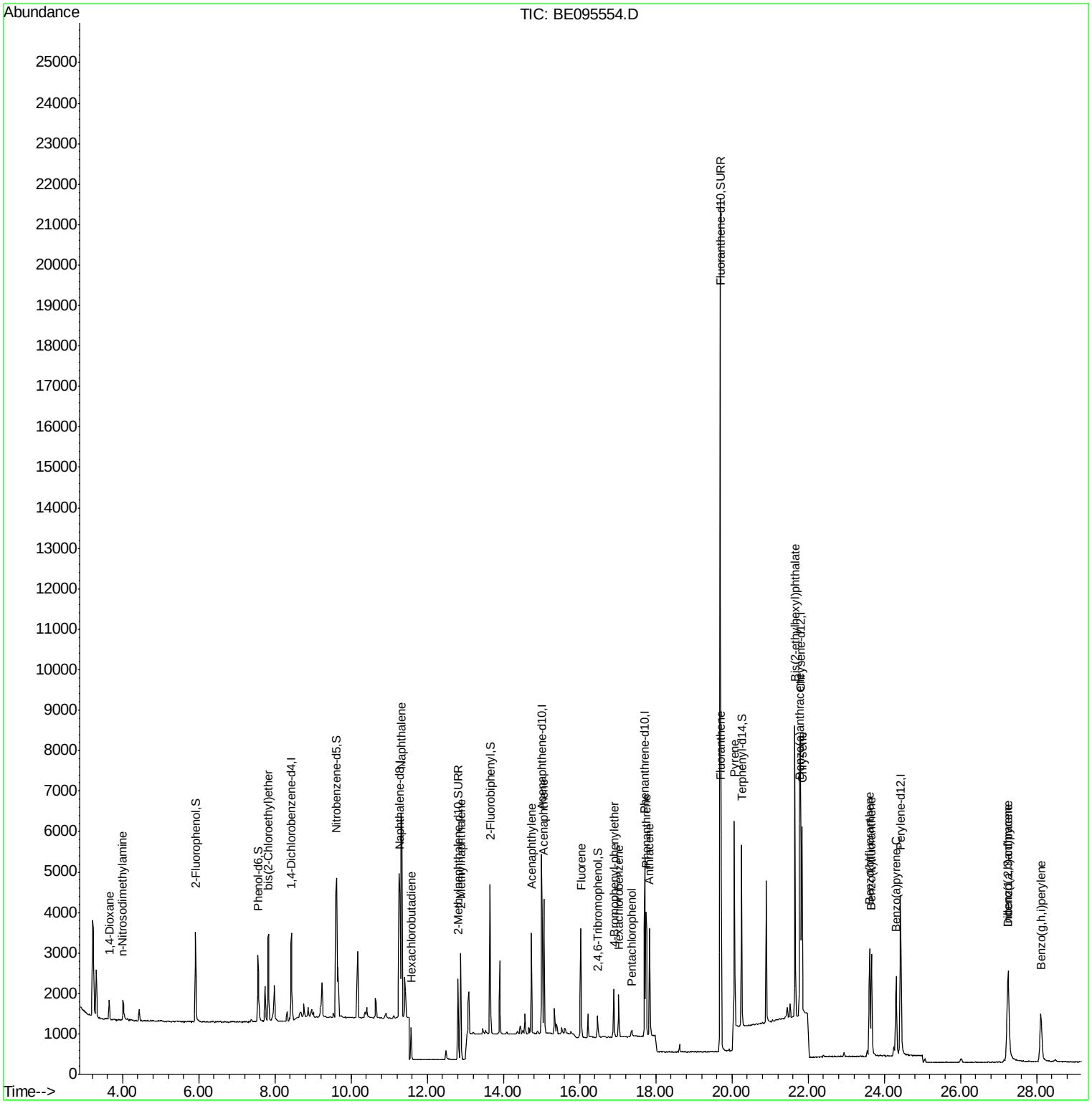
(#) = qualifier out of range (m) = manual integration (+) = signals summed

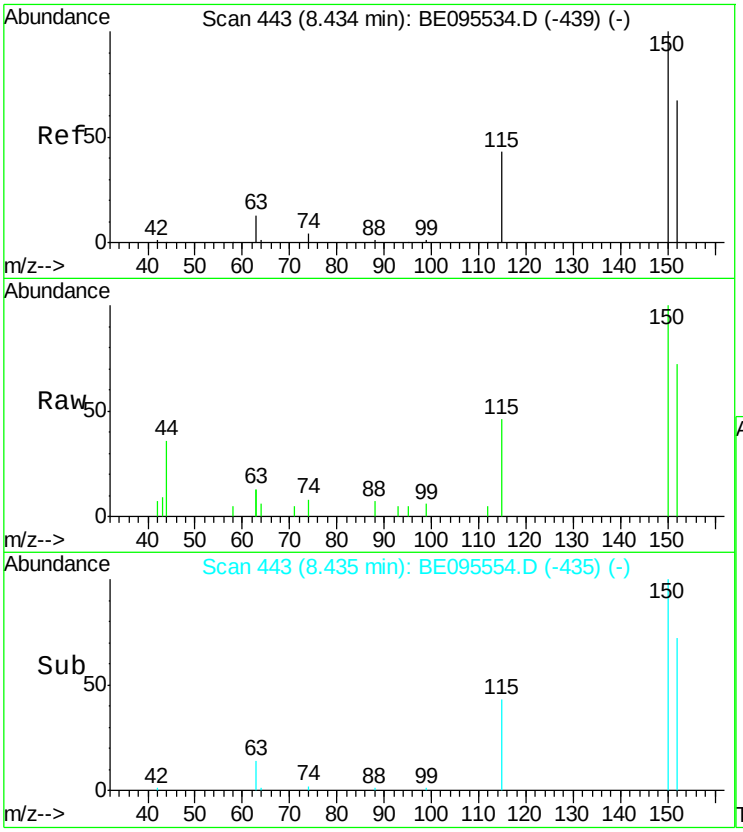
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
Data File : BE095554.D
Acq On : 7 Feb 2018 15:53
Operator : SJ/JU
Sample : J1161-02
Misc : LOQ 0.2ppm
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 08 01:15:40 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



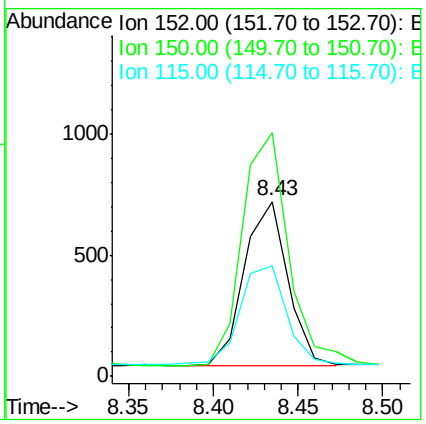


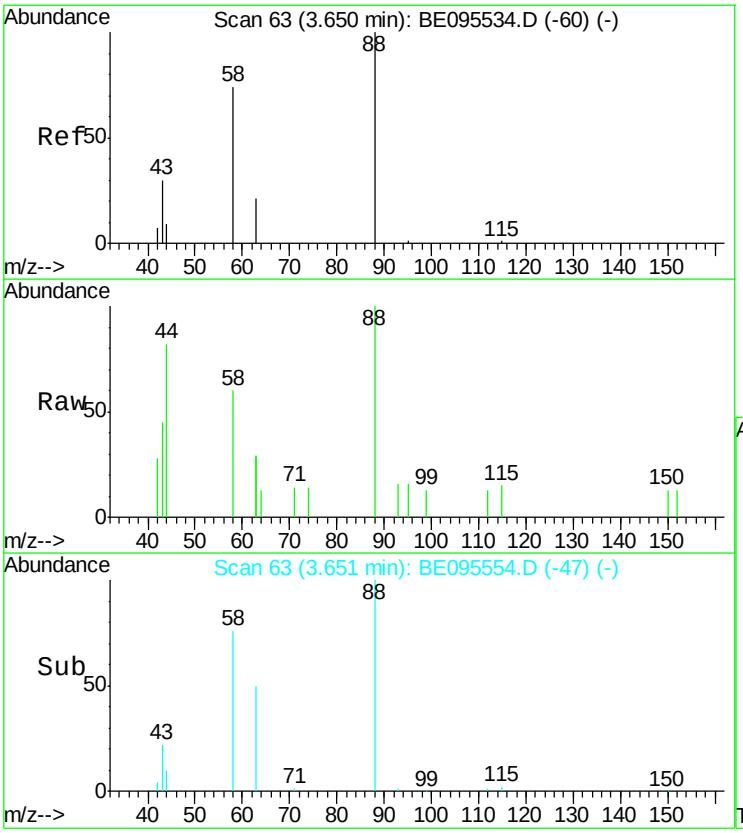
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 443
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1200

Ion	Ratio	Lower	Upper
152	100		
150	139.0	117.2	175.8
115	63.3	57.0	85.6

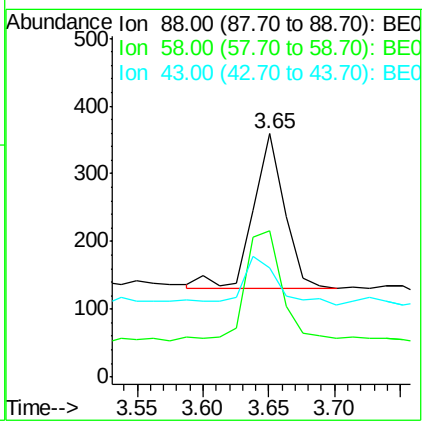


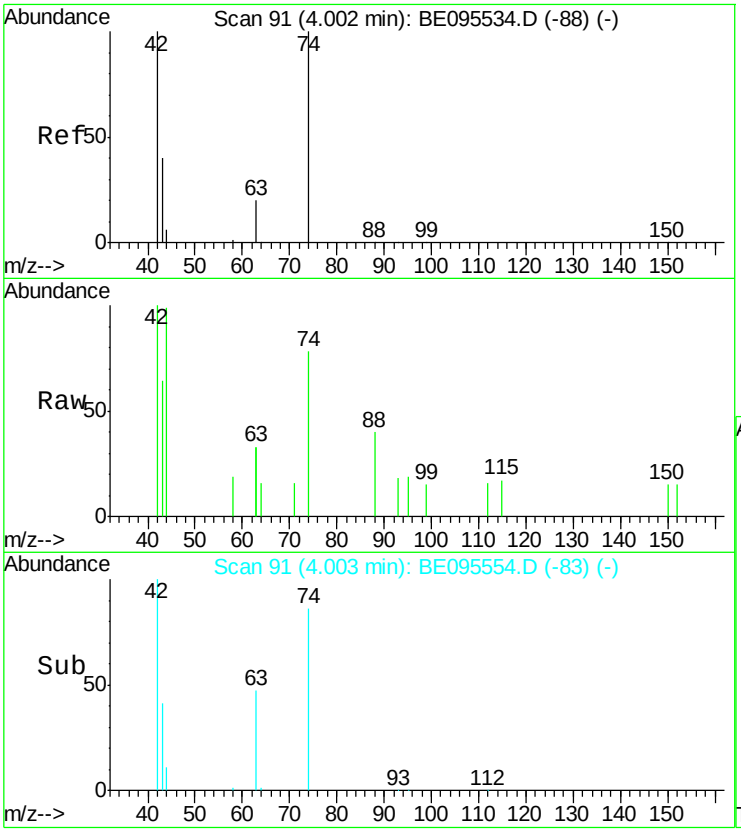


#2
1,4-Dioxane
Concen: 0.191 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion: 88 Resp: 379

Ion	Ratio	Lower	Upper
88	100		
58	86.0	63.2	94.8
43	32.2	41.2	61.8#



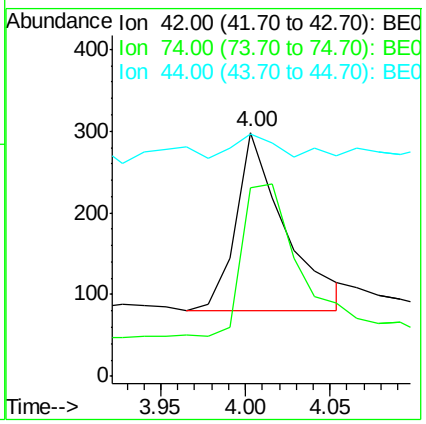


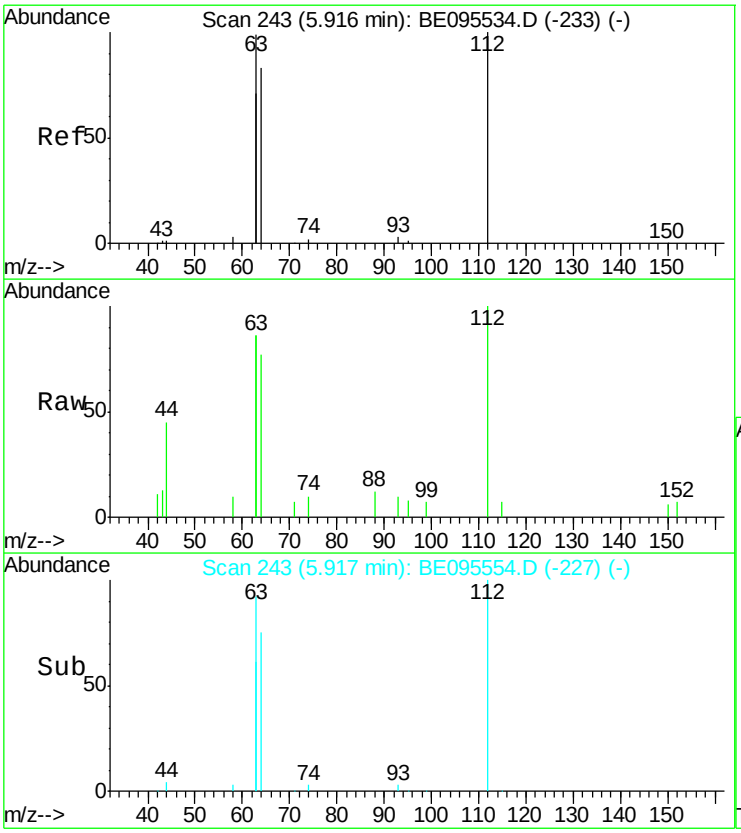
#3
n-Nitrosodimethylamine
Concen: 0.175 ng
RT: 4.00 min Scan# 91
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 437

Ion	Ratio	Lower	Upper
42	100		
74	99.8	96.0	144.0
44	12.1	12.0	18.0

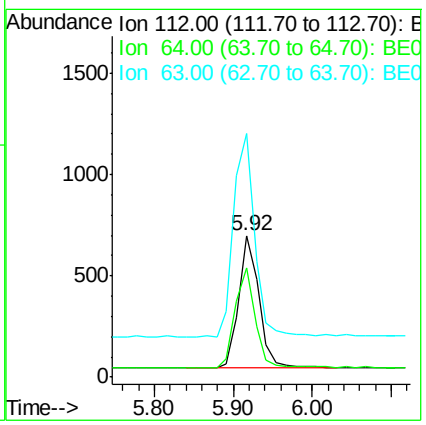


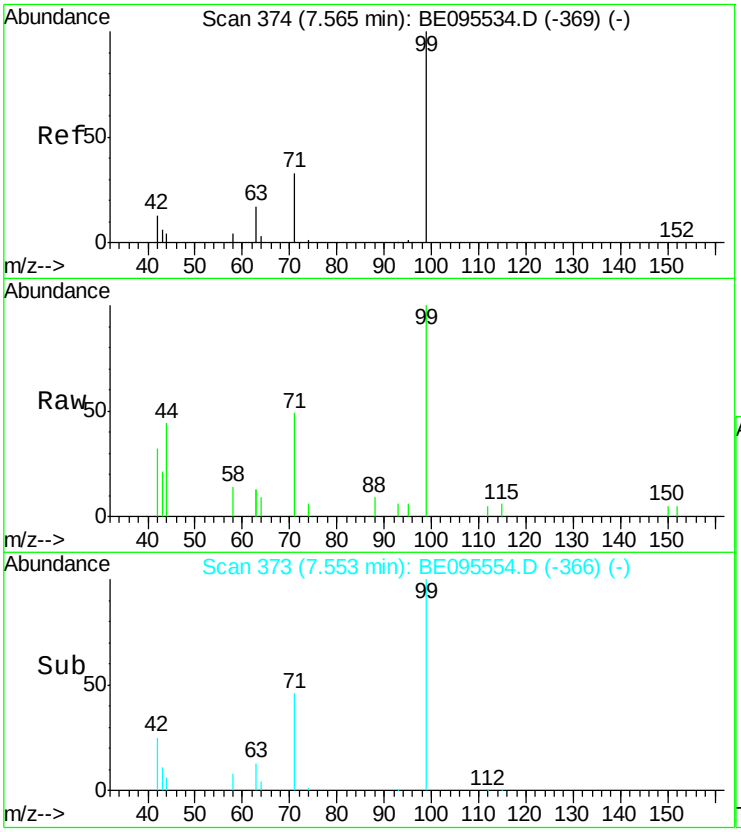


#4
2-Fluorophenol
Concen: 0.322 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:112 Resp: 1165

Ion	Ratio	Lower	Upper
112	100		
64	75.3	60.1	90.1
63	162.0	116.8	175.2



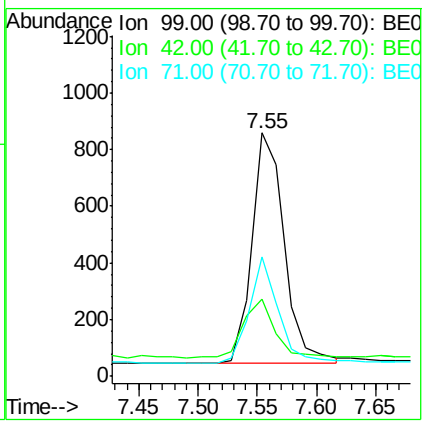


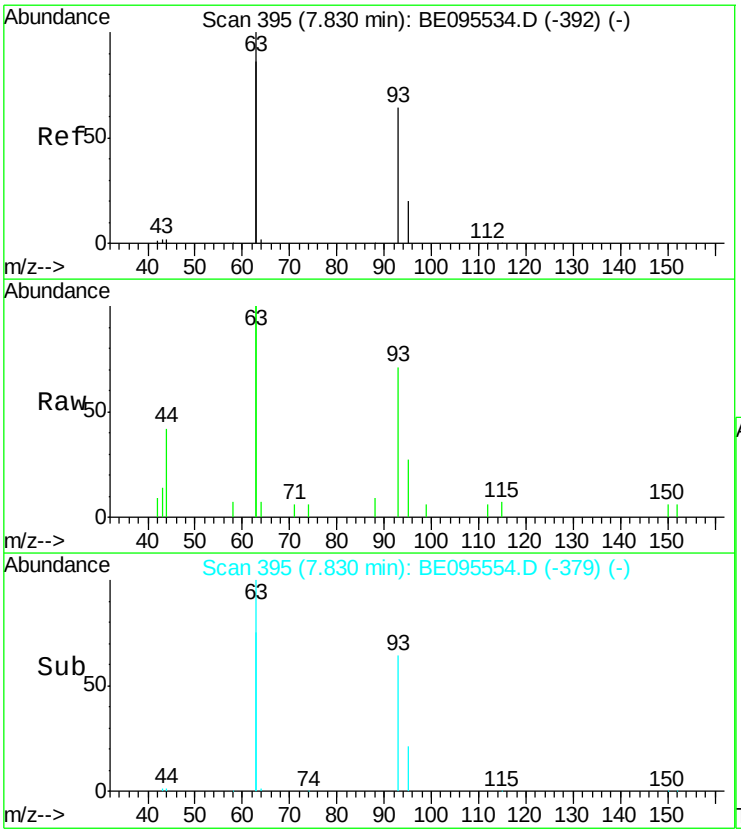
#5
Phenol-d6
Concen: 0.311 ng
RT: 7.55 min Scan# 373
Delta R.T. -0.01 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1560

Ion	Ratio	Lower	Upper
99	100		
42	25.1	20.2	30.2
71	40.7	28.4	42.6

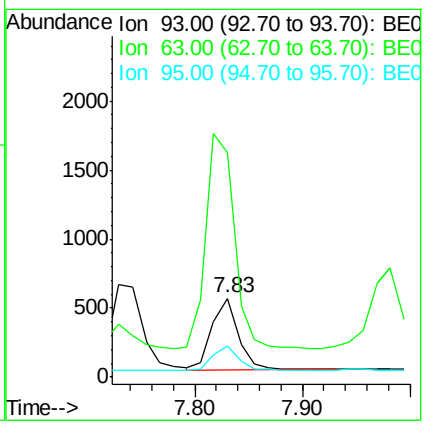


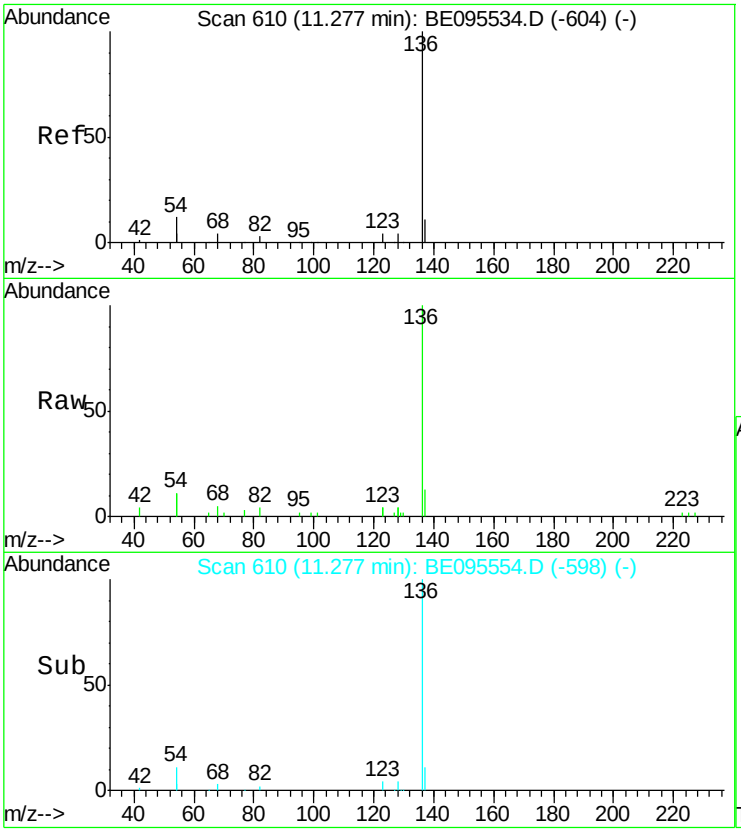


#6
bis(2-Chloroethyl)ether
Concen: 0.191 ng
RT: 7.83 min Scan# 395
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion: 93 Resp: 882

Ion	Ratio	Lower	Upper
93	100		
63	323.6	275.3	412.9
95	33.1	25.2	37.8



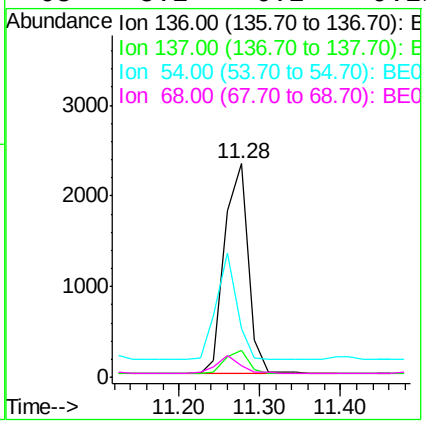


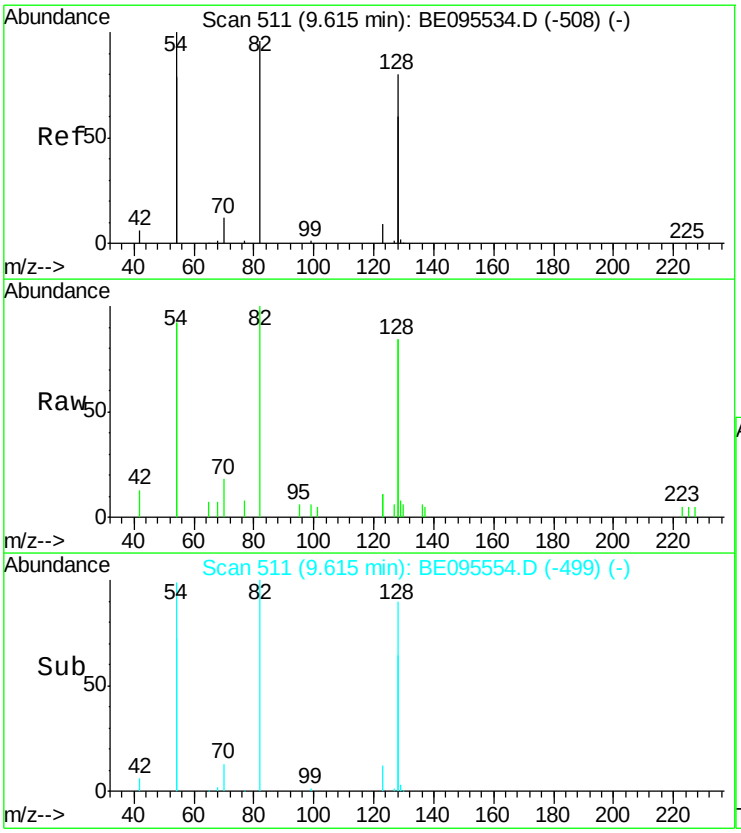
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.28 min Scan# 610
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4688

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	22.5	29.1	43.7#
68	5.2	6.2	9.2#

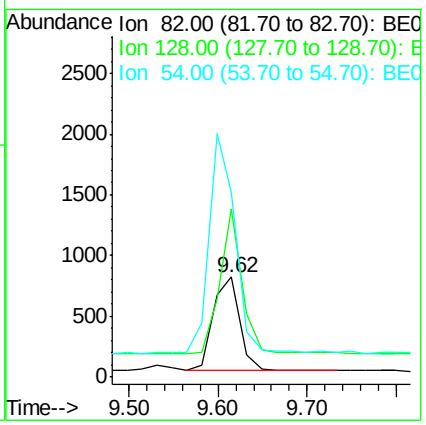


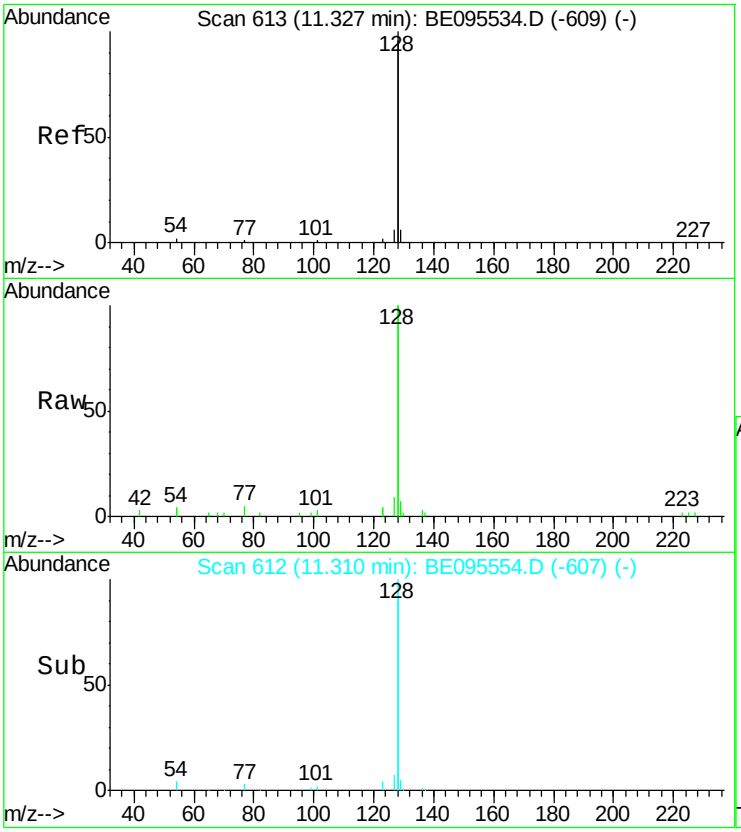


#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.62 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion: 82 Resp: 1615

Ion	Ratio	Lower	Upper
82	100		
128	168.1	150.0	225.0
54	184.9	154.2	231.4



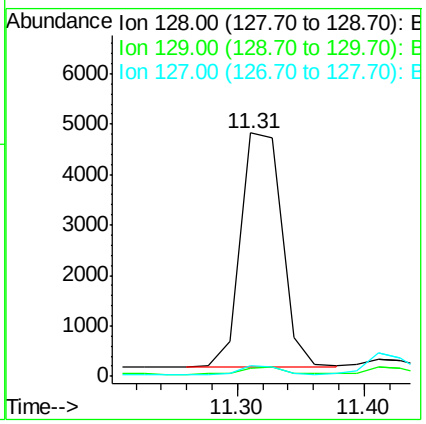


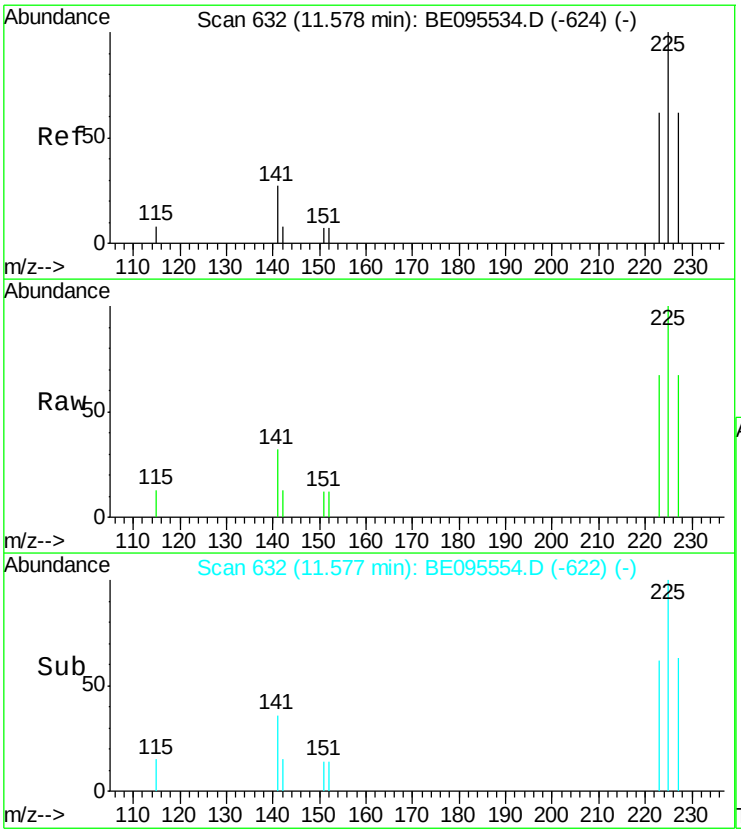
#9
Naphthalene
Concen: 0.191 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 10390

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	4.4	2.8	4.2#

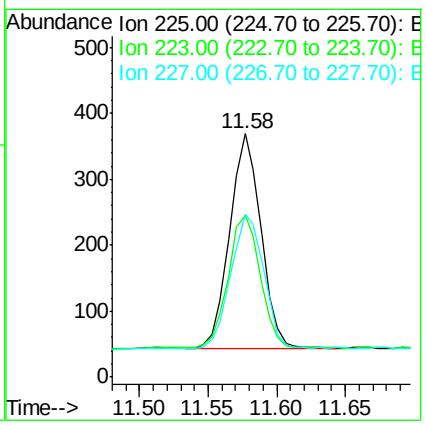


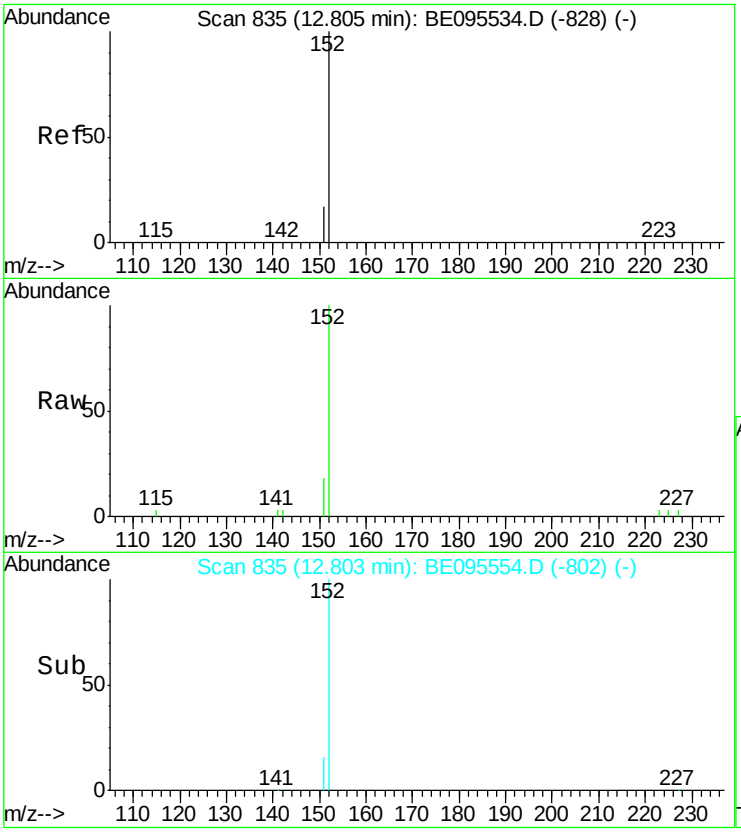


#10
Hexachlorobutadiene
Concen: 0.175 ng
RT: 11.58 min Scan# 632
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:225 Resp: 512

Ion	Ratio	Lower	Upper
225	100		
223	63.3	53.0	79.6
227	77.3	51.4	77.2#



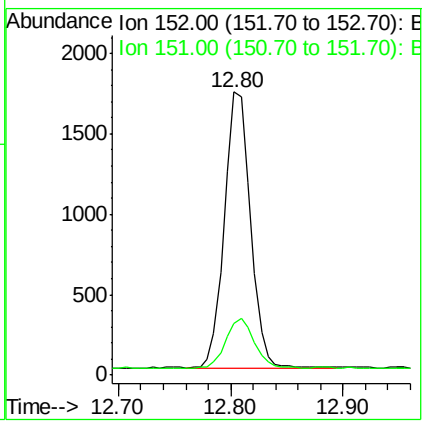


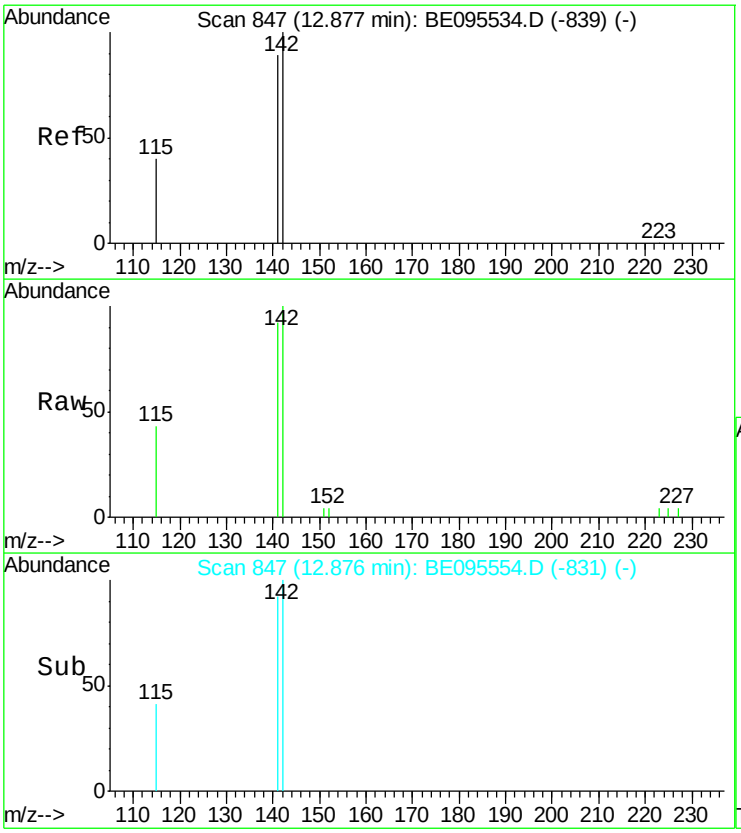
#11
2-Methylnaphthalene-d10
Concen: 0.356 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2760

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

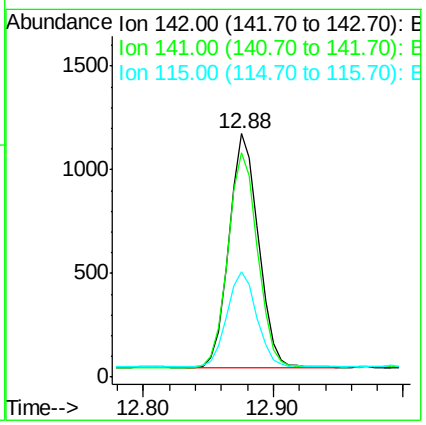


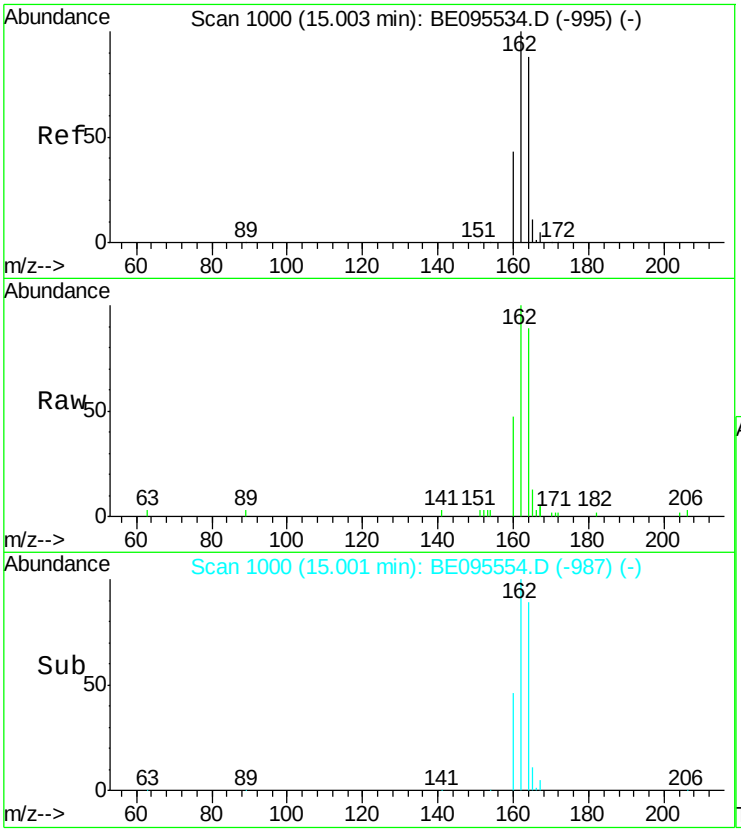


#12
2-Methylnaphthalene
Concen: 0.193 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:142 Resp: 1784

Ion	Ratio	Lower	Upper
142	100		
141	92.4	70.4	105.6
115	43.4	31.7	47.5



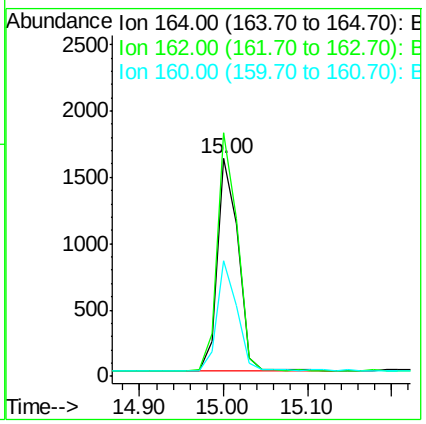


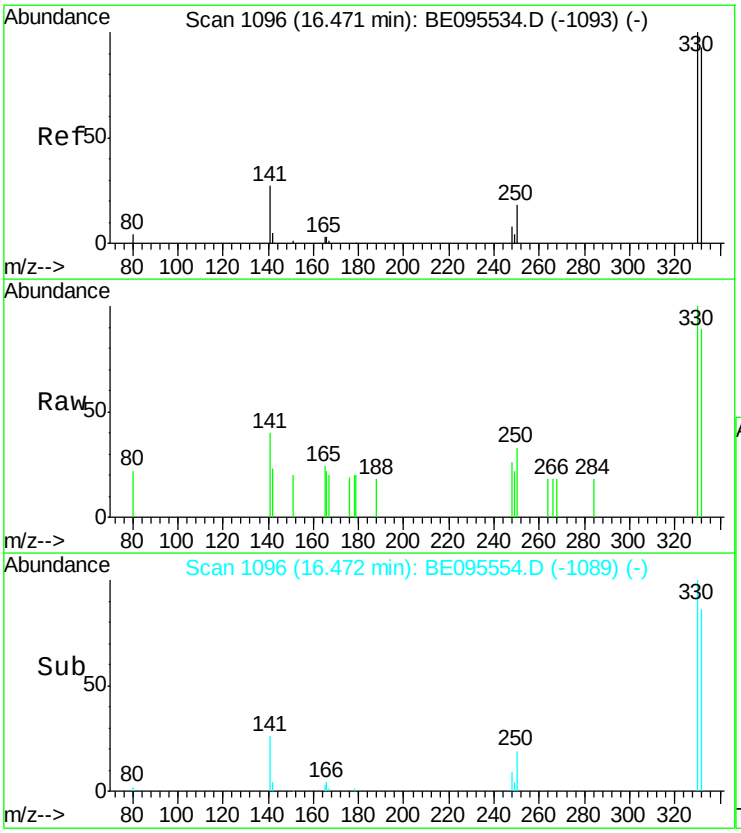
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2696

Ion	Ratio	Lower	Upper
164	100		
162	111.8	83.1	124.7
160	52.9	37.1	55.7

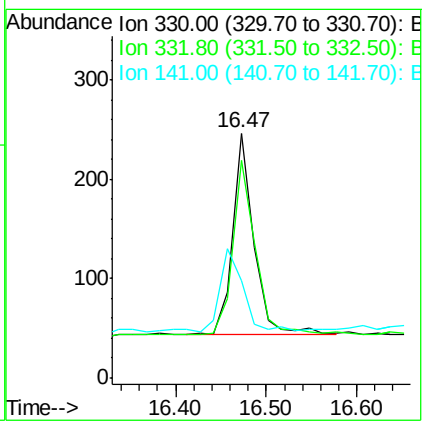


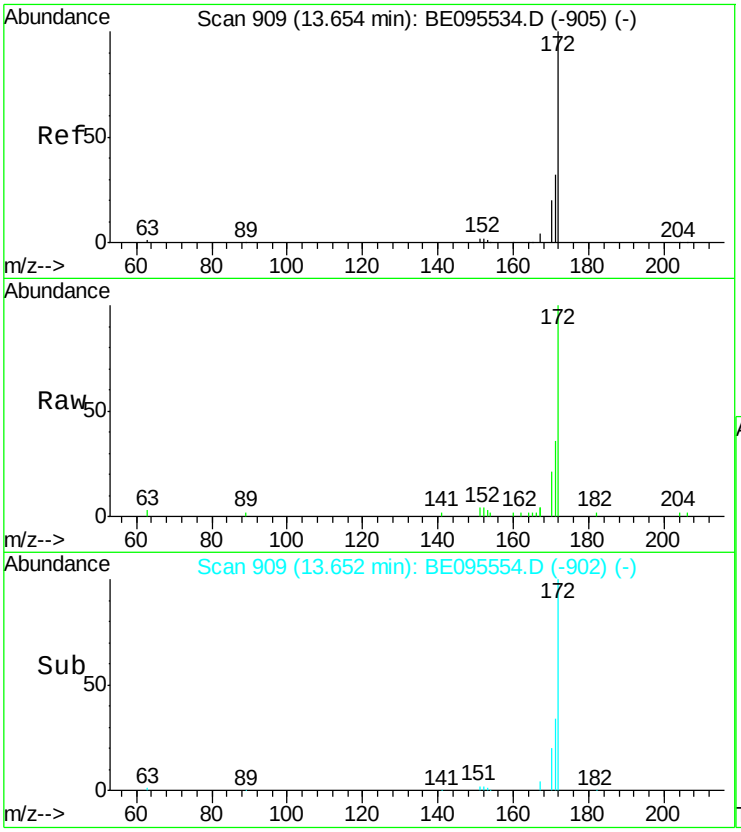


#14
2,4,6-Tribromophenol
Concen: 0.271 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:330 Resp: 333

Ion	Ratio	Lower	Upper
330	100		
332	93.4	152.7	229.1#
141	40.2	33.7	50.5



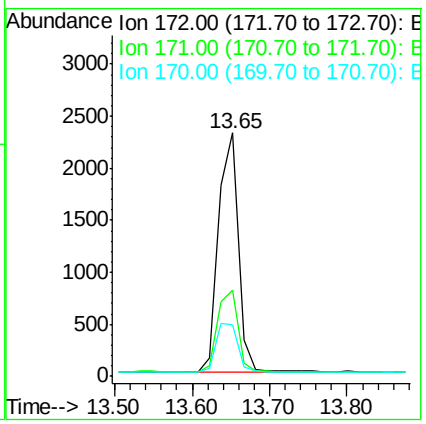


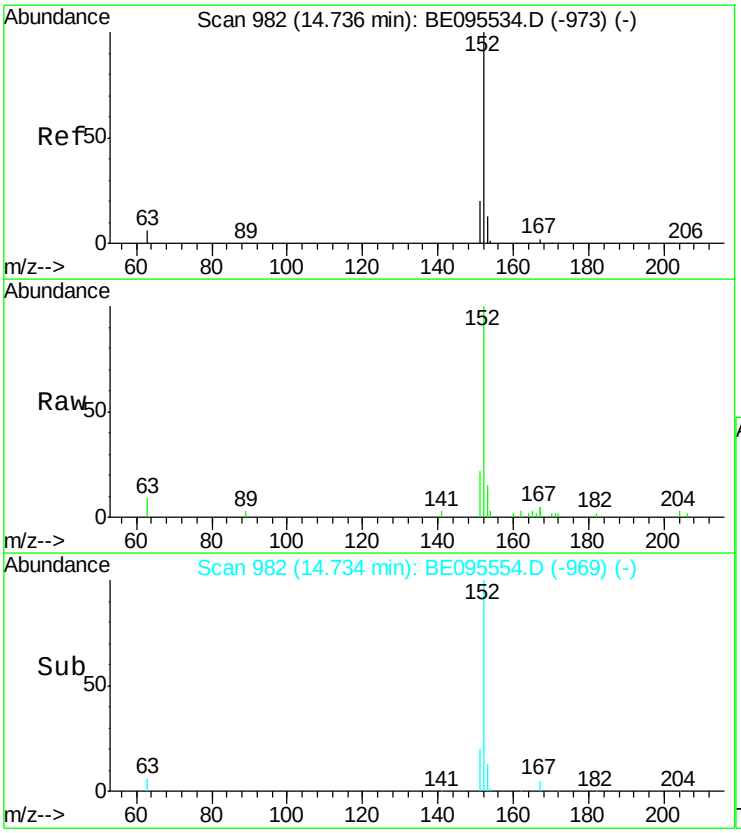
#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 4064

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	21.3	21.8	32.8#

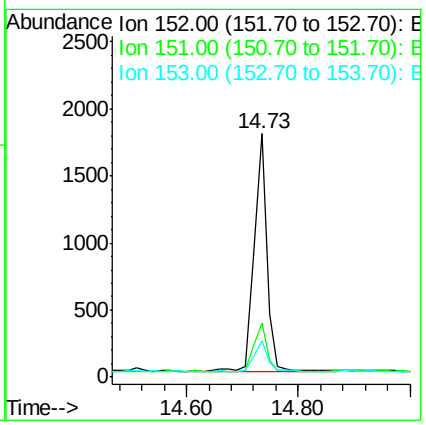


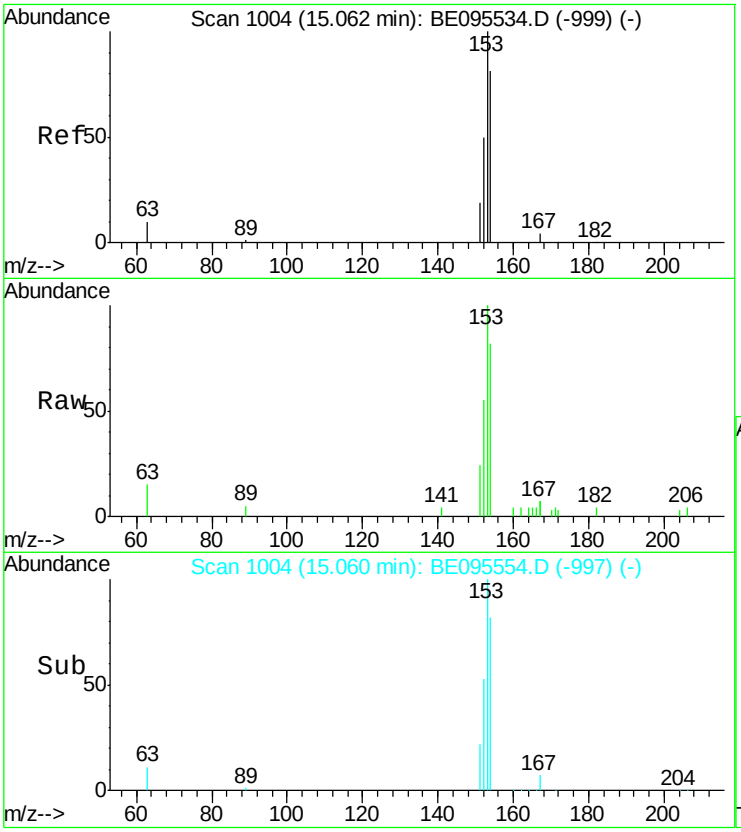


#16
Acenaphthylene
Concen: 0.183 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:152 Resp: 2812

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.7	23.5
153	13.2	10.5	15.7



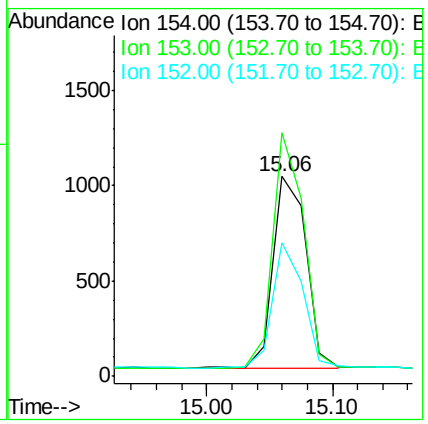


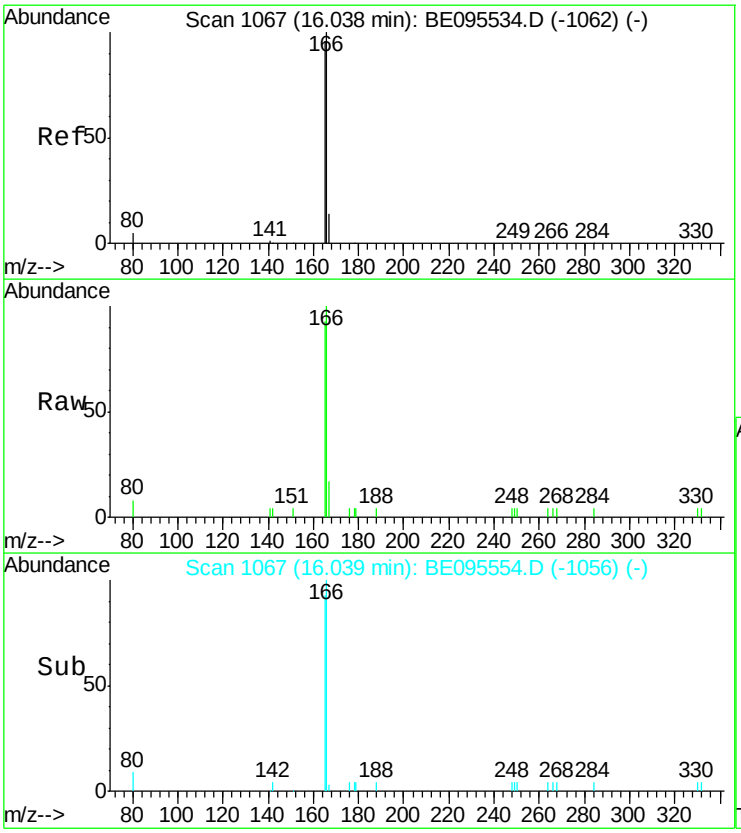
#17
Acenaphthene
Concen: 0.191 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1829

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.2	133.8
152	60.6	42.0	63.0

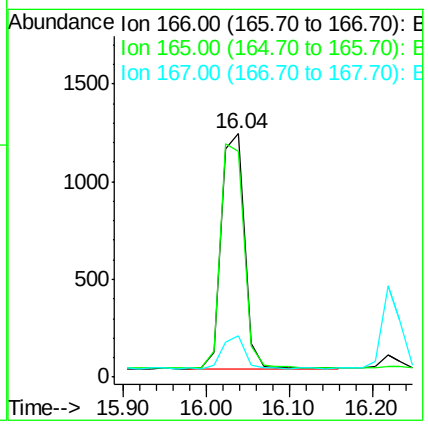


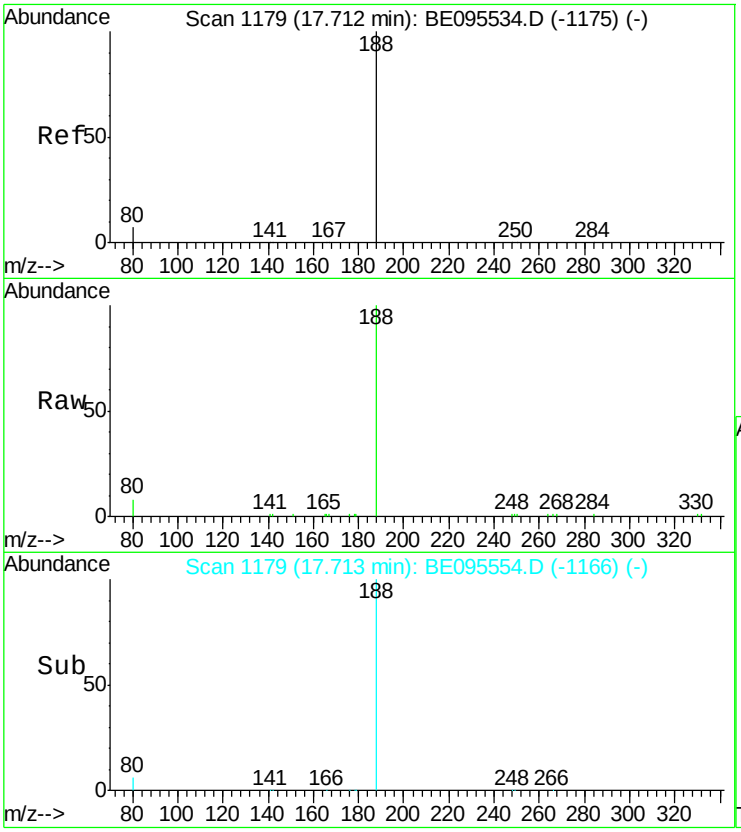


#18
Fluorene
Concen: 0.191 ng
RT: 16.04 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:166 Resp: 2297

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.8	116.6
167	13.4	42.4	63.6#



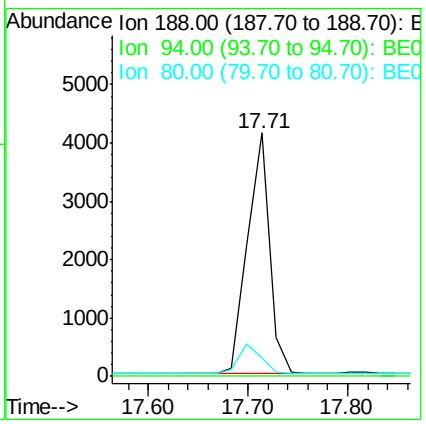


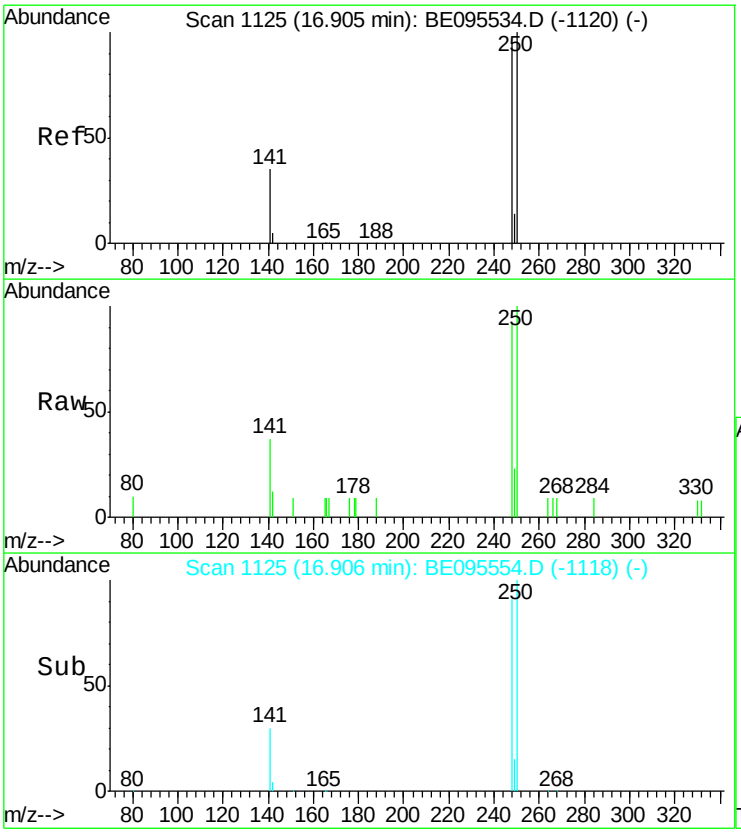
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 6372

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.6	3.6	5.4#

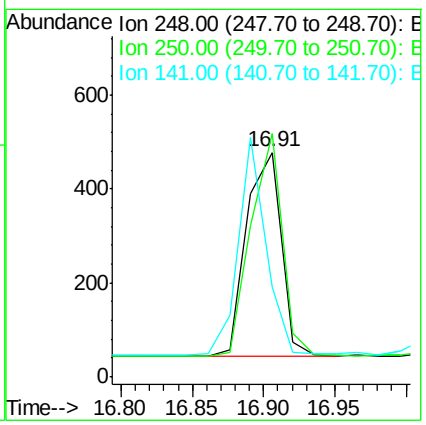


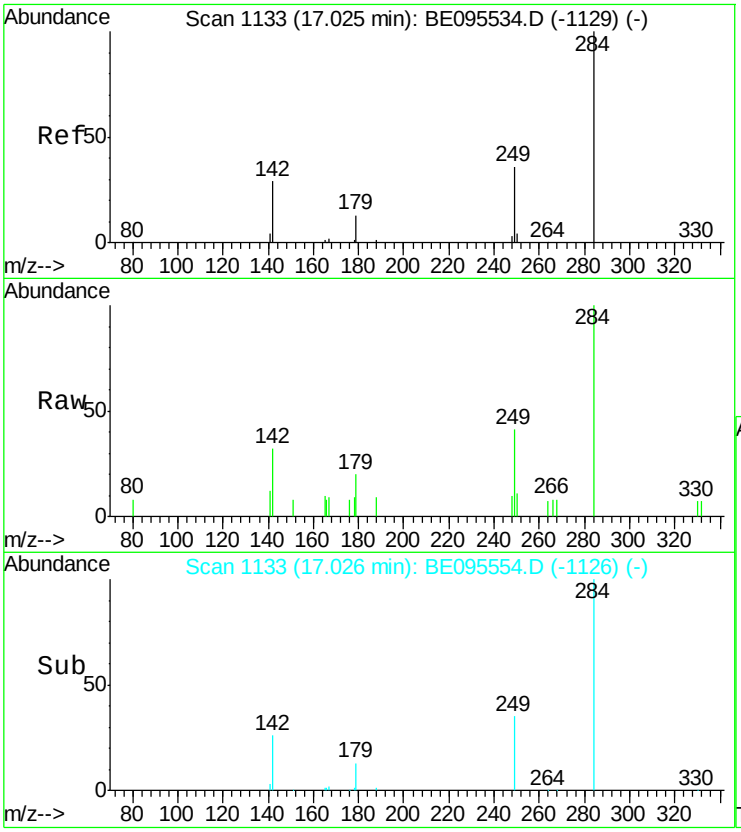


#20
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.91 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:248 Resp: 739

Ion	Ratio	Lower	Upper
248	100		
250	108.4	62.7	94.1#
141	39.7	48.2	72.2#



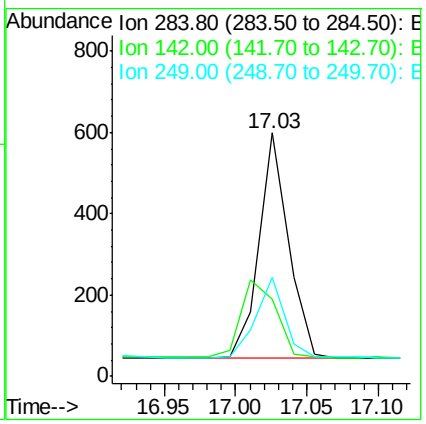


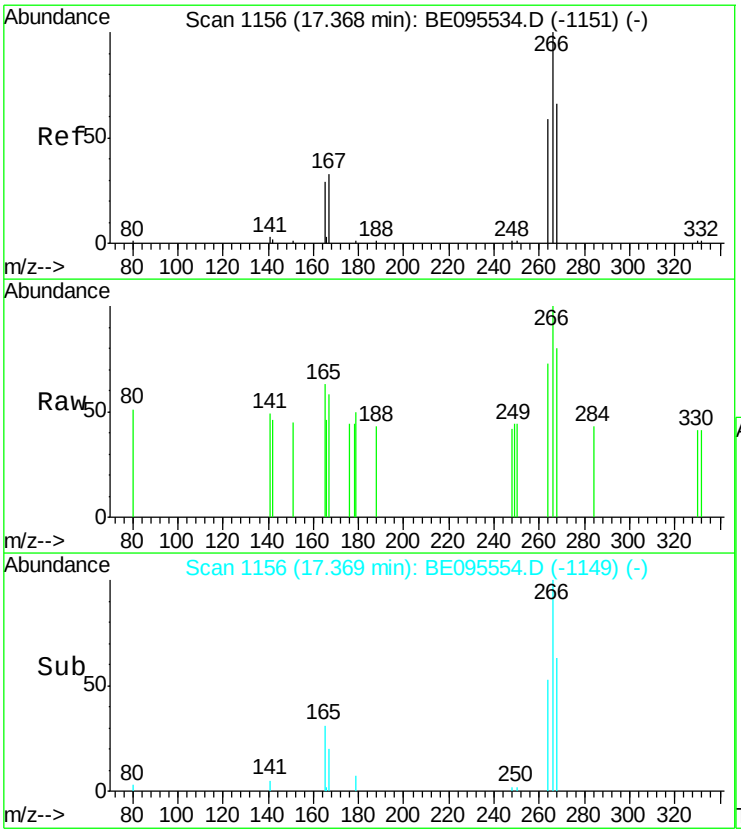
#21
Hexachlorobenzene
Concen: 0.201 ng
RT: 17.03 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 793

Ion	Ratio	Lower	Upper
284	100		
142	41.4	22.1	33.1#
249	34.4	34.8	52.2#

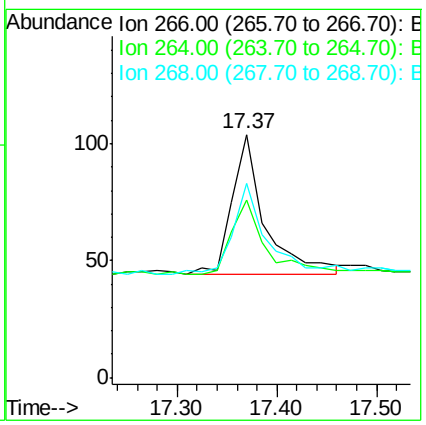


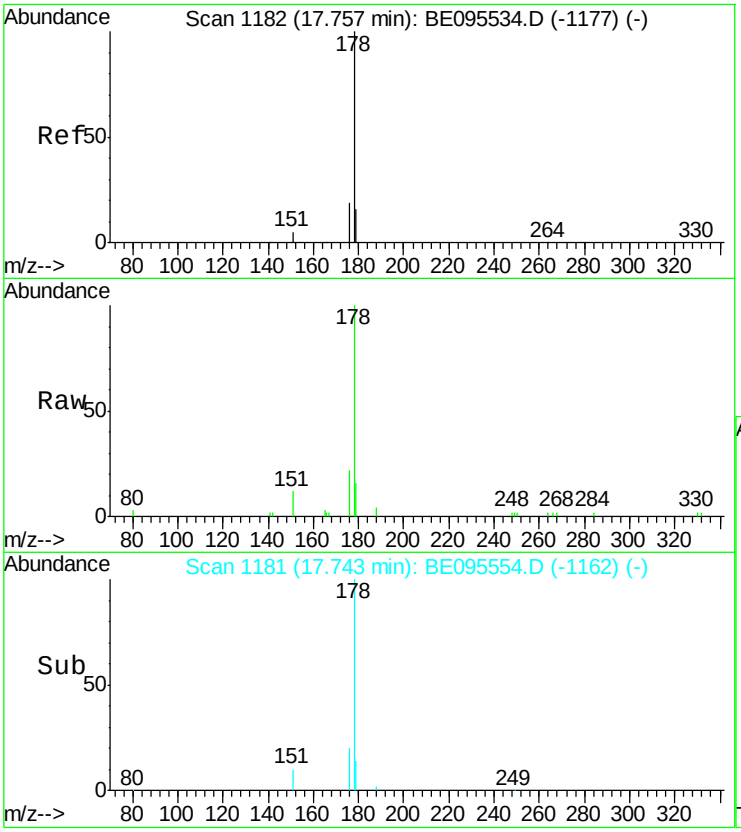


#22
Pentachlorophenol
Concen: 0.247 ng
RT: 17.37 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:266 Resp: 138

Ion	Ratio	Lower	Upper
266	100		
264	73.1	72.5	108.7
268	79.8	73.8	110.6



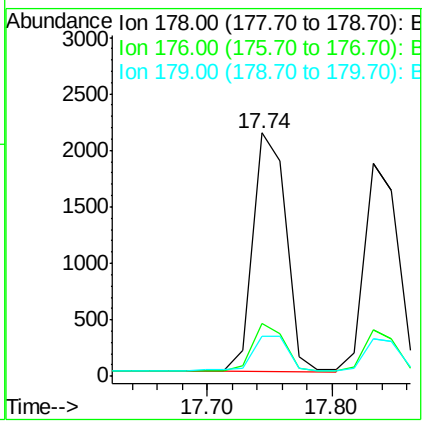


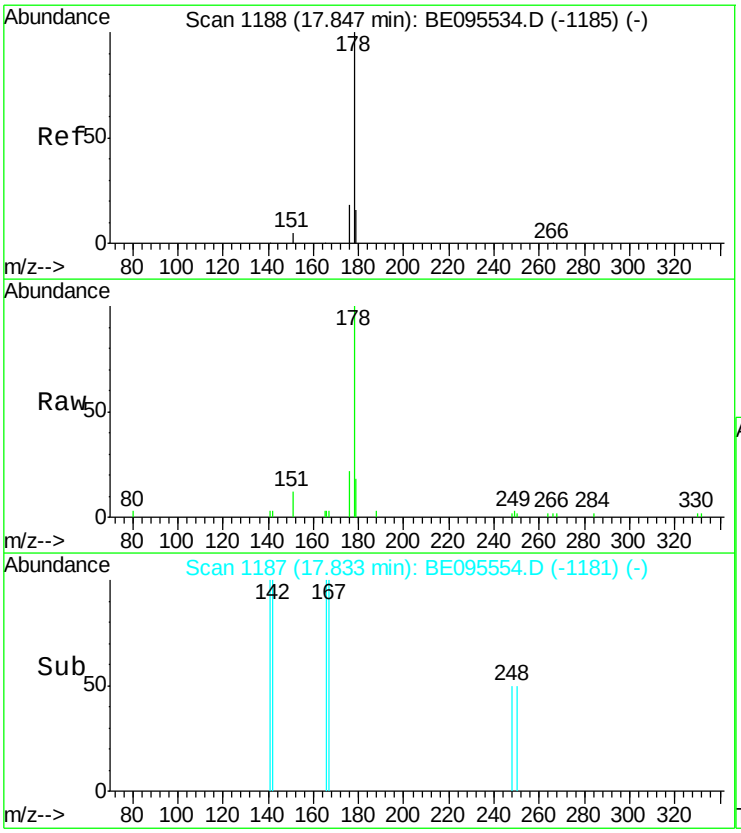
#23
Phenanthrene
Concen: 0.200 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3904

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.2	11.8	17.6

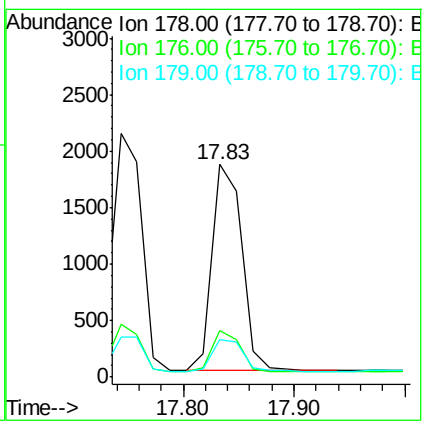


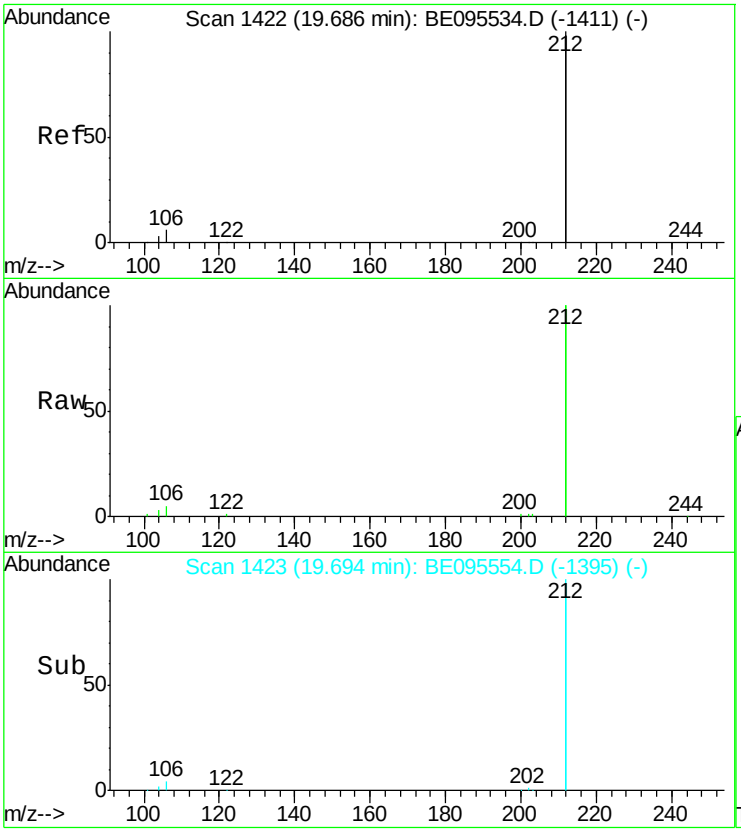


#24
Anthracene
Concen: 0.186 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:178 Resp: 3398

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	16.3	13.0	19.6



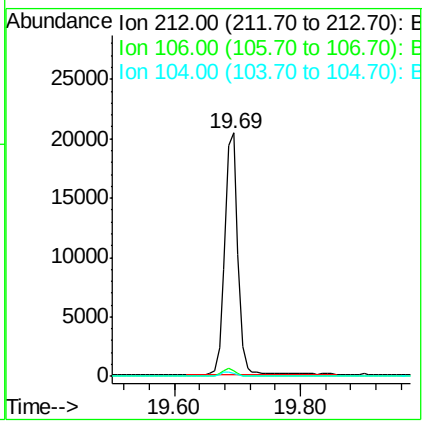


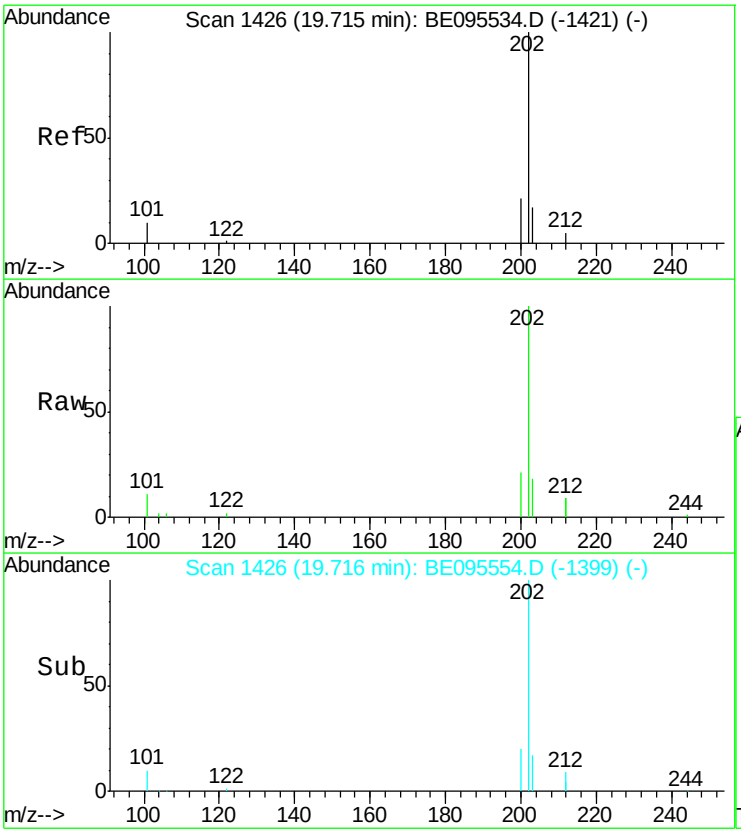
#25
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.69 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 28740

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.6	1.6	2.4

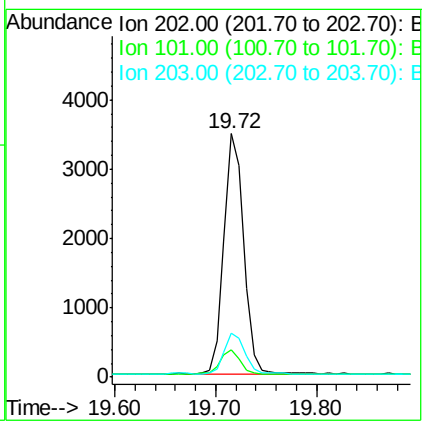


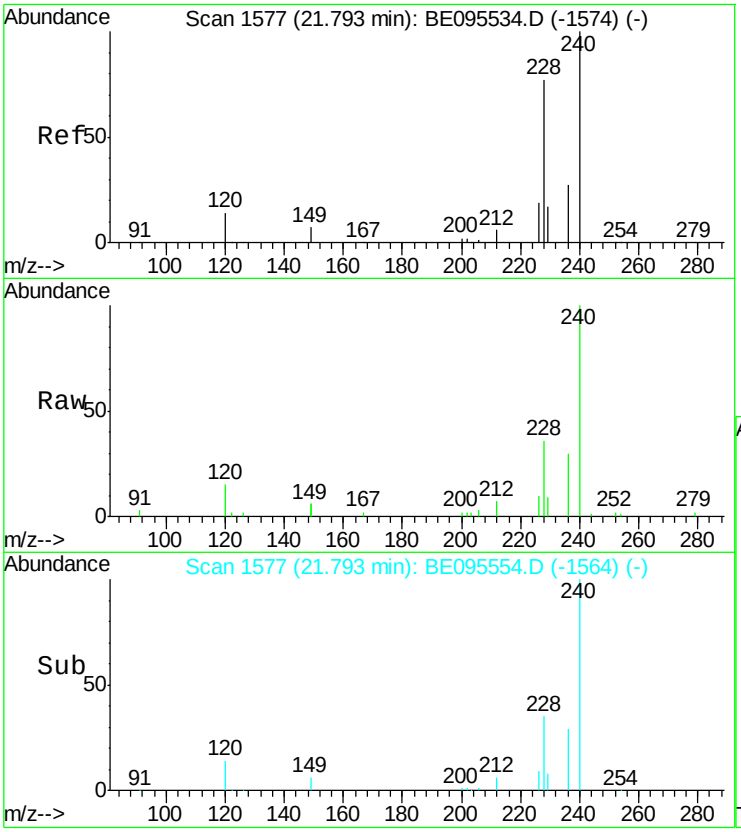


#26
Fluoranthene
Concen: 0.190 ng
RT: 19.72 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:202 Resp: 4693

Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.8	14.8
203	17.4	13.7	20.5



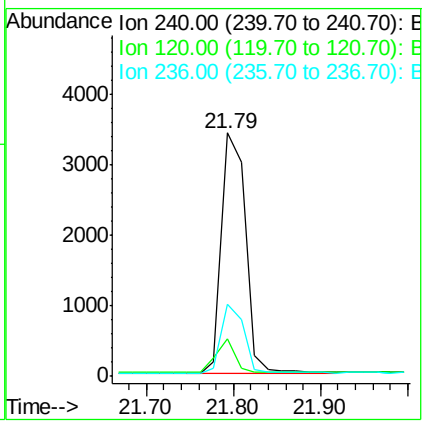


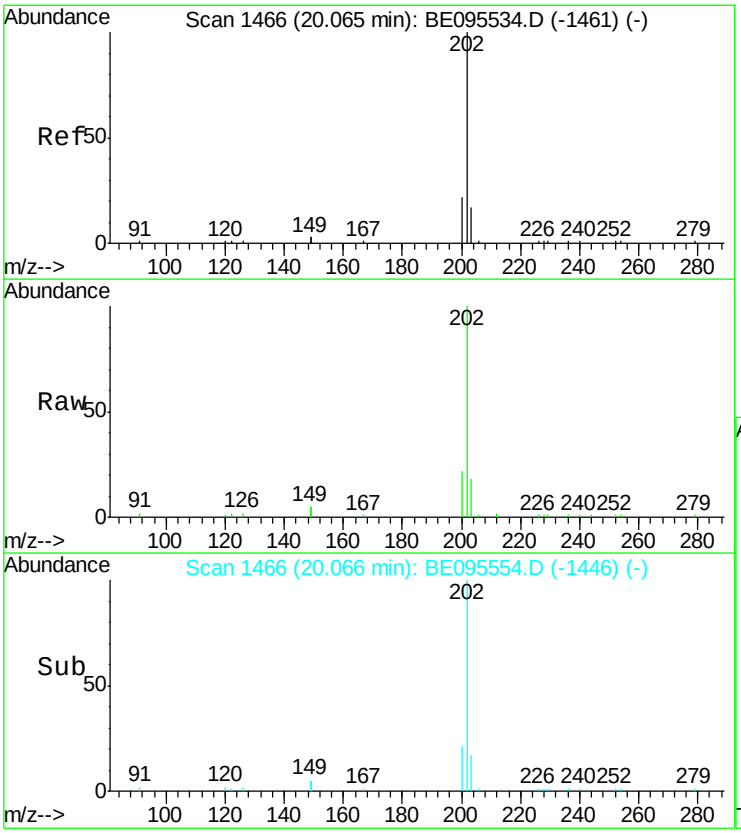
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 6515

Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.5	8.3#
236	29.6	20.7	31.1

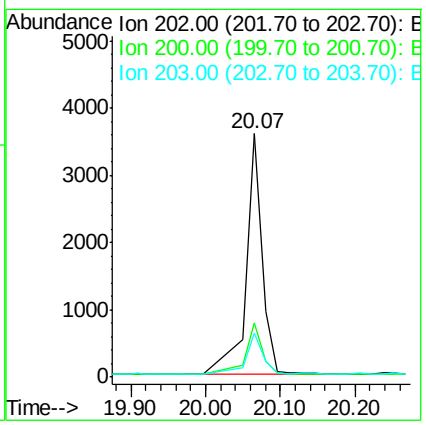


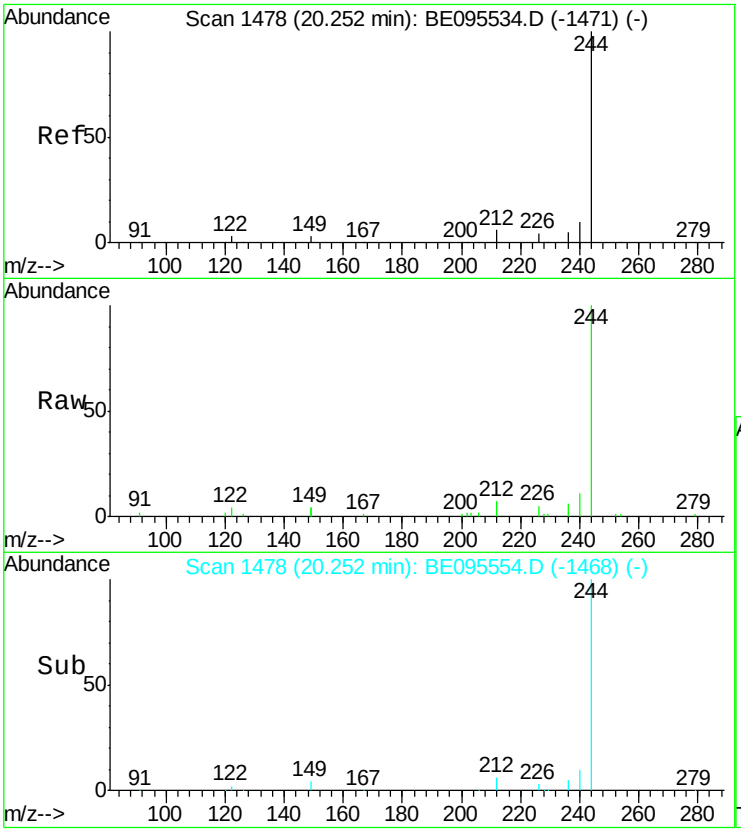


#28
Pyrene
Concen: 0.187 ng
RT: 20.07 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:202 Resp: 5111

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	19.7	13.8	20.8



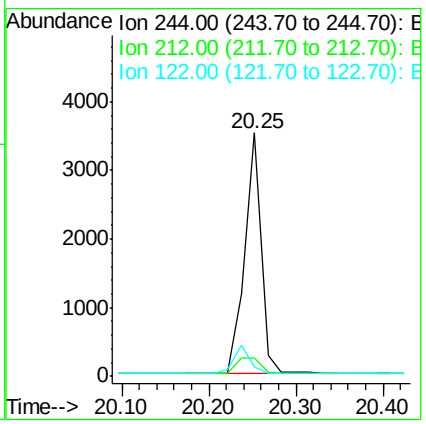


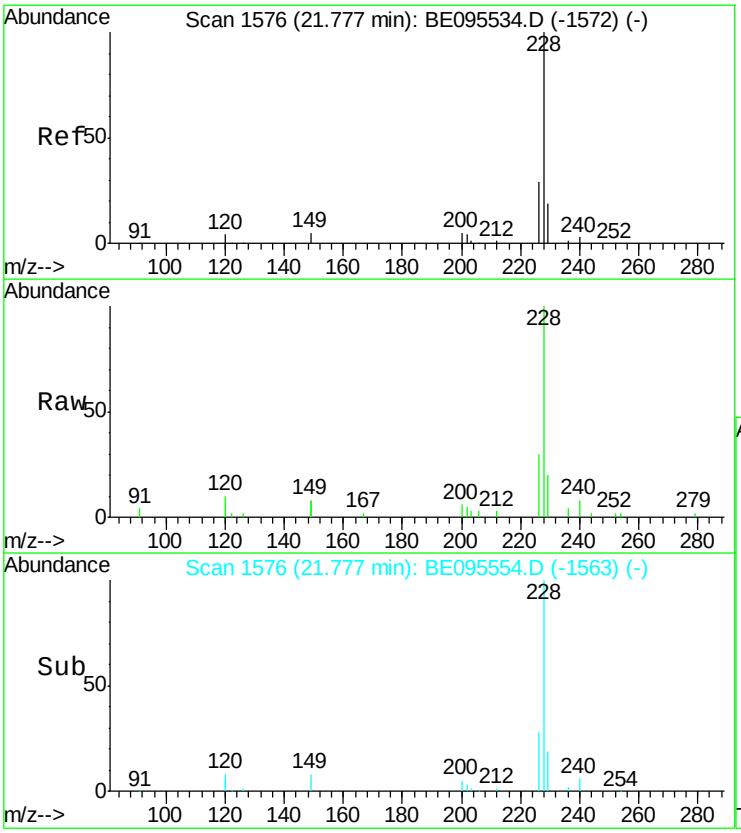
#29
Terphenyl-d14
Concen: 0.336 ng
RT: 20.25 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4671

Ion	Ratio	Lower	Upper
244	100		
212	7.3	25.4	38.0#
122	3.7	8.1	12.1#

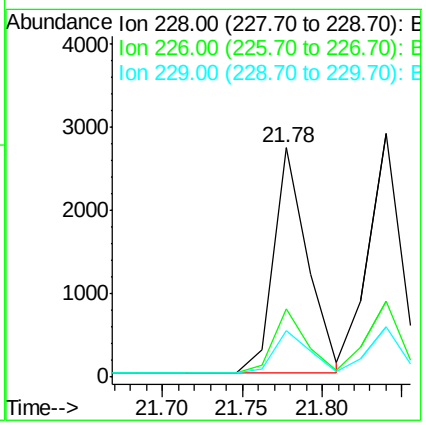


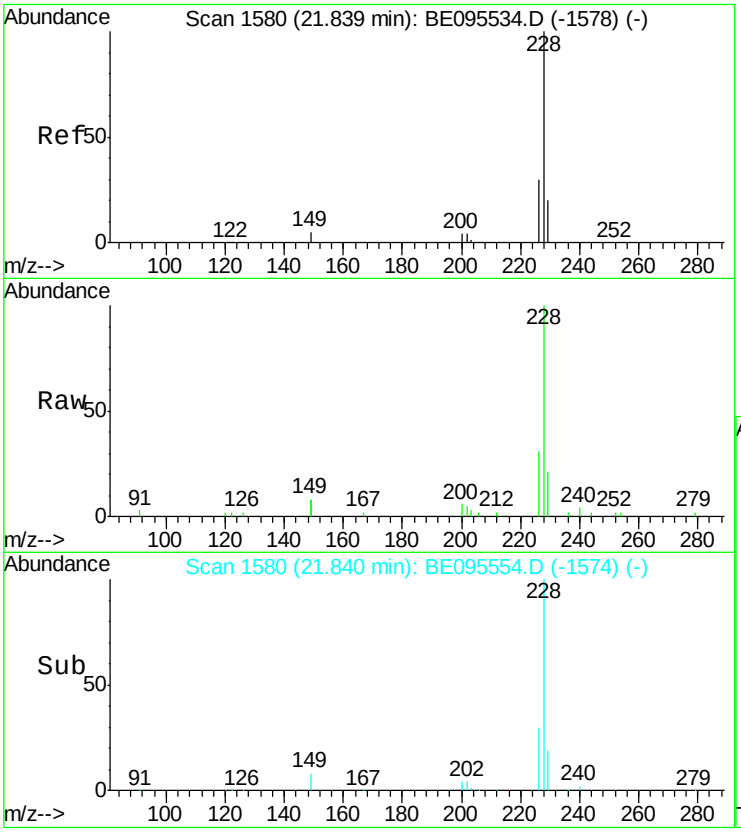


#30
Benzo(a)anthracene
Concen: 0.185 ng
RT: 21.78 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:228 Resp: 4025

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.0	16.0	24.0



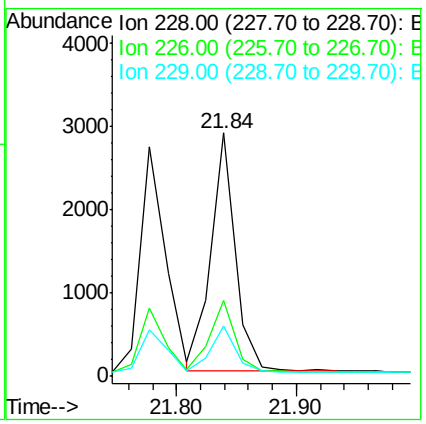


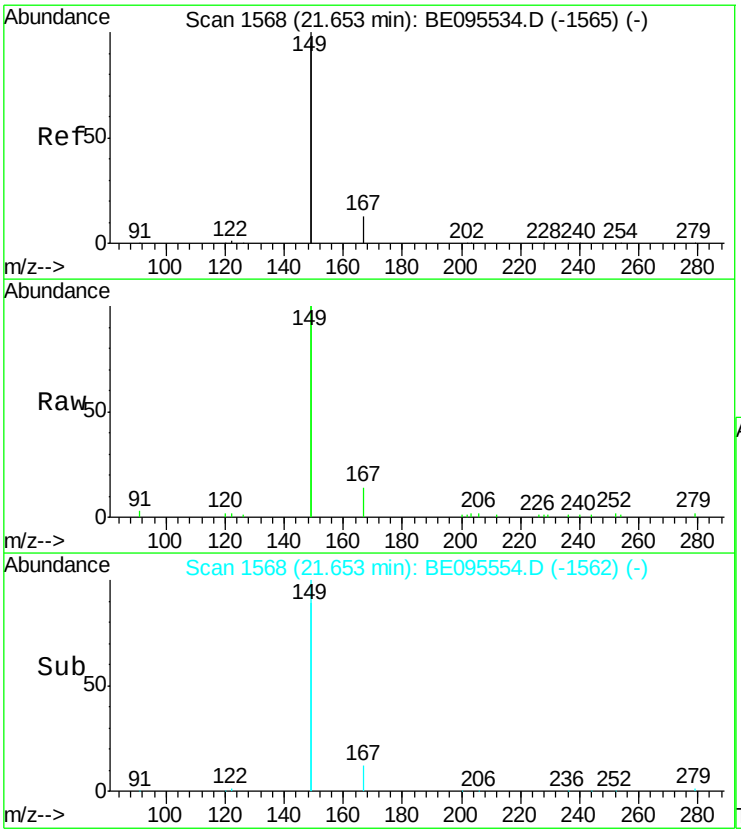
#31
Chrysene
Concen: 0.189 ng
RT: 21.84 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 4052

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	20.6	16.0	24.0

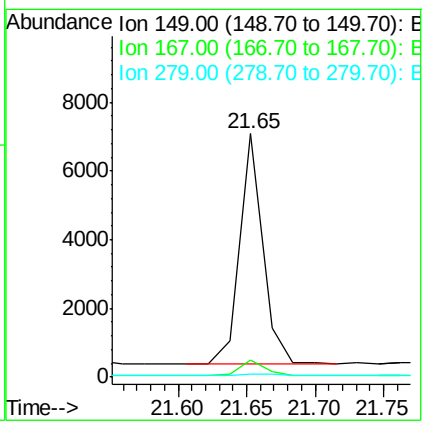


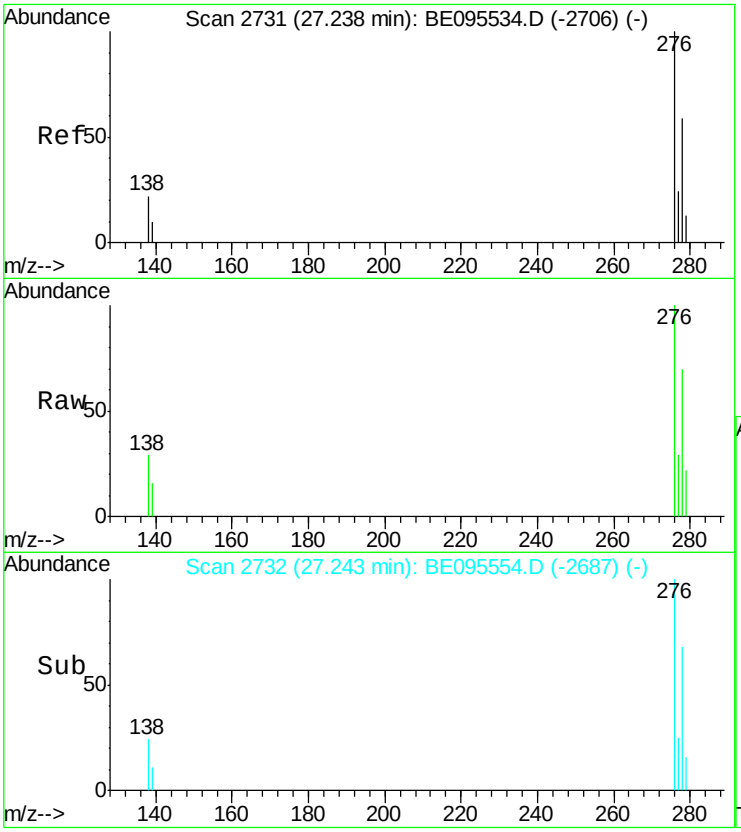


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.158 ng
RT: 21.65 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:149 Resp: 7882

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.8	0.7	1.1



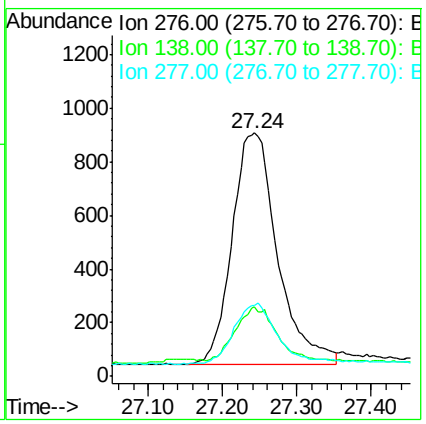


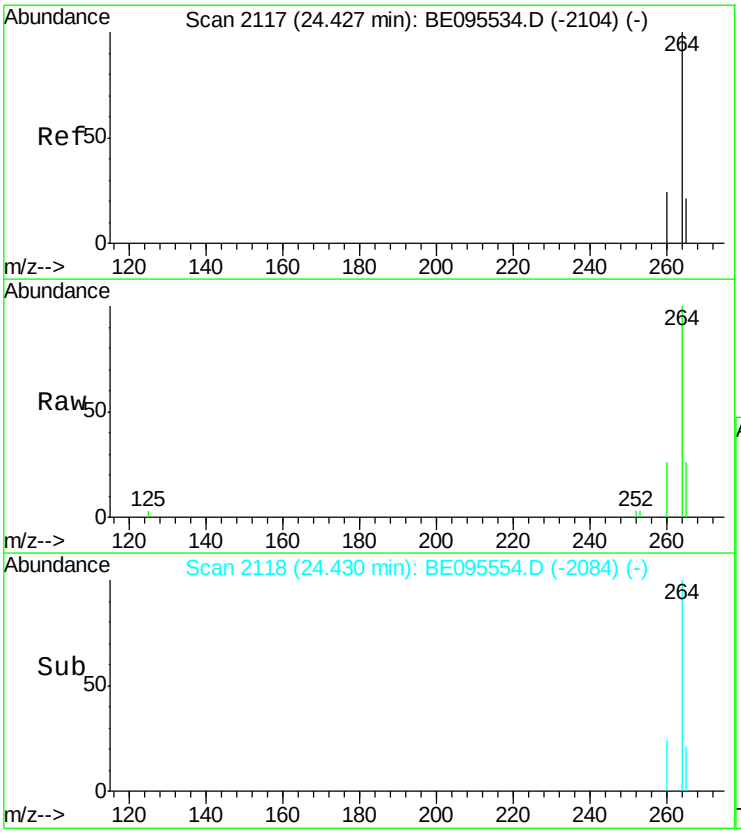
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.176 ng
RT: 27.24 min Scan# 2732
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3637

Ion	Ratio	Lower	Upper
276	100		
138	22.3	22.5	33.7#
277	25.5	19.9	29.9

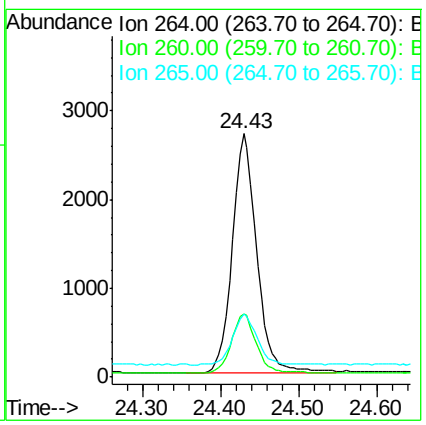


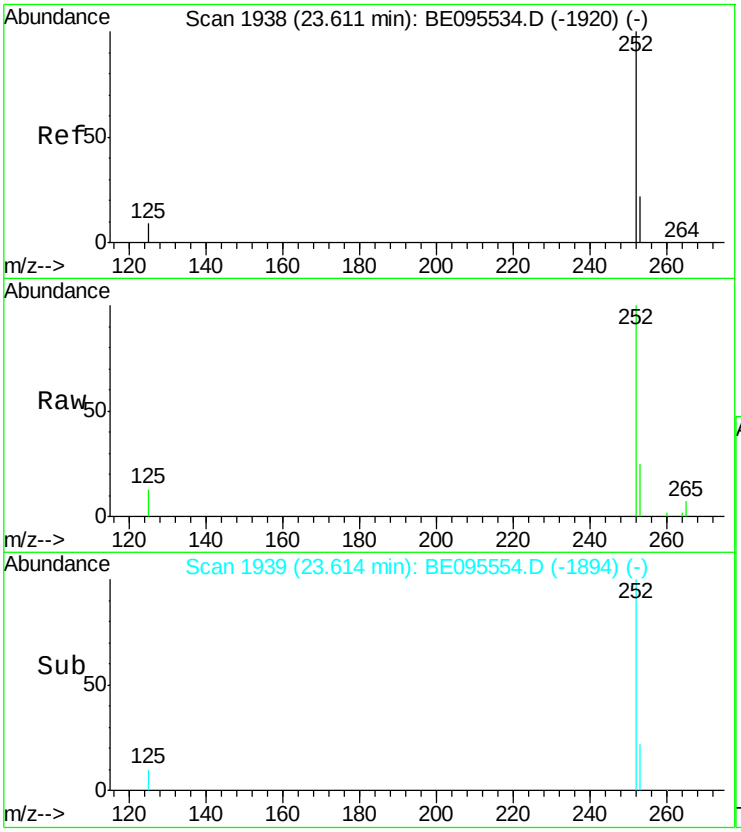


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:264 Resp: 5897

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	26.0	22.8	34.2



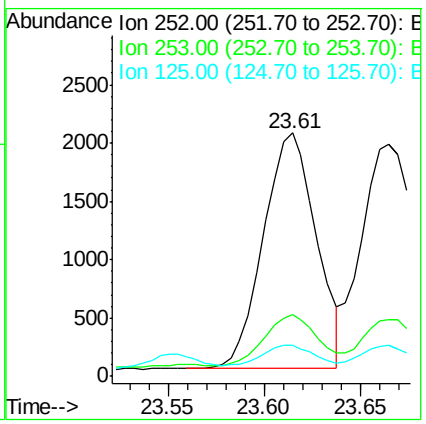


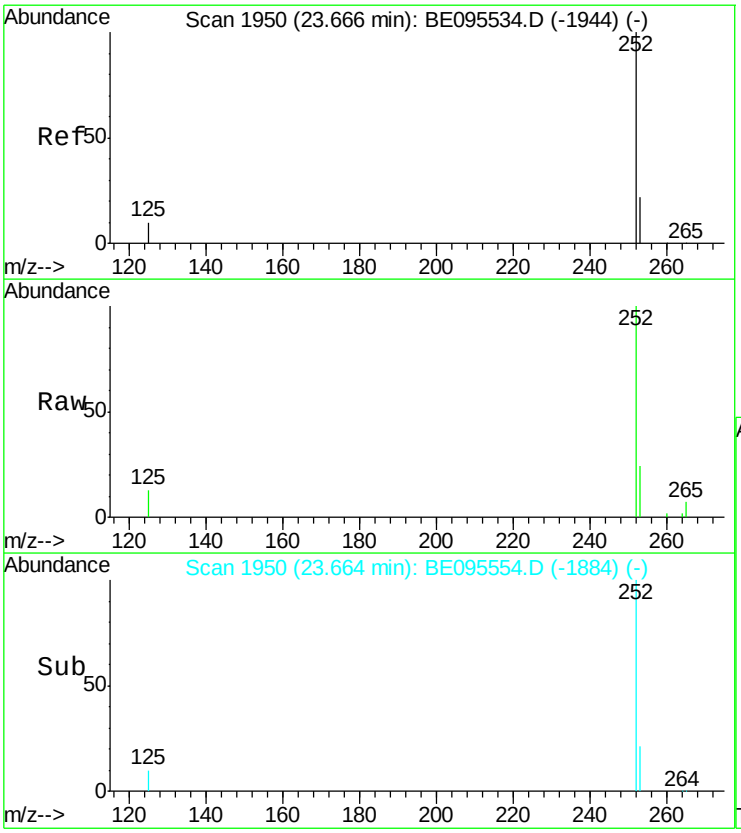
#35
Benzo(b)fluoranthene
Concen: 0.192 ng
RT: 23.61 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3862

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.0	30.0
125	12.5	16.0	24.0#

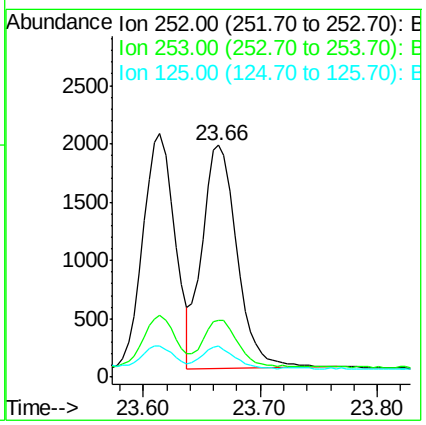


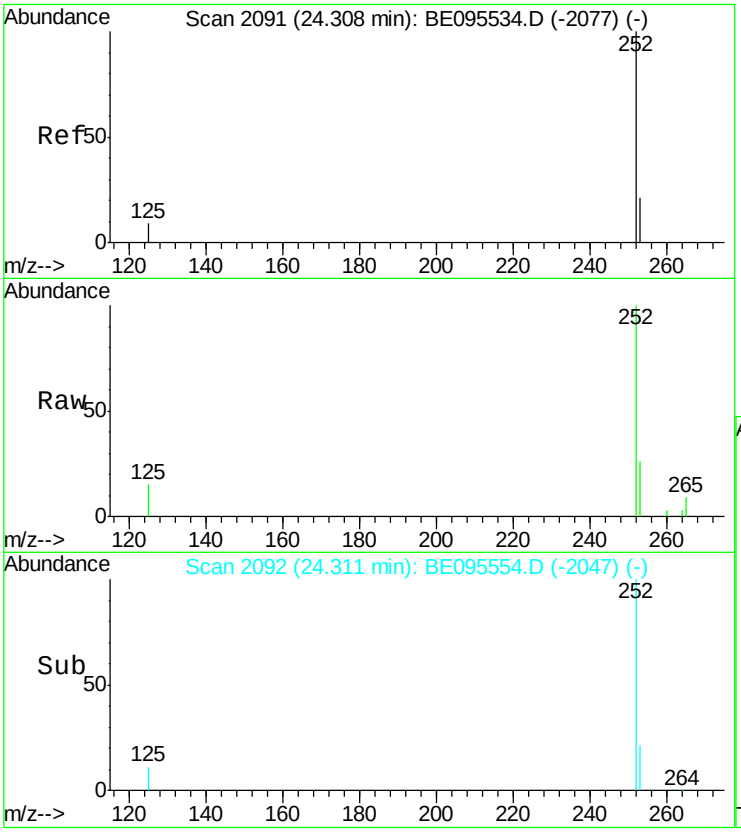


#36
Benzo(k)fluoranthene
Concen: 0.192 ng
RT: 23.66 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:252 Resp: 3970

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	13.4	8.0	12.0#



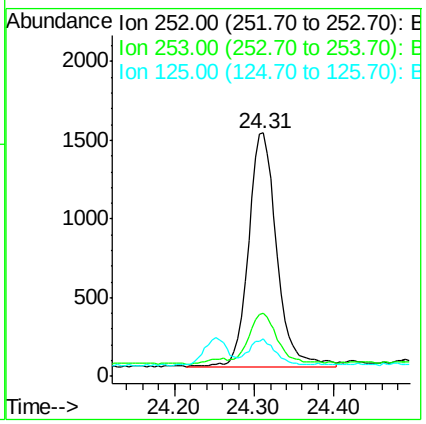


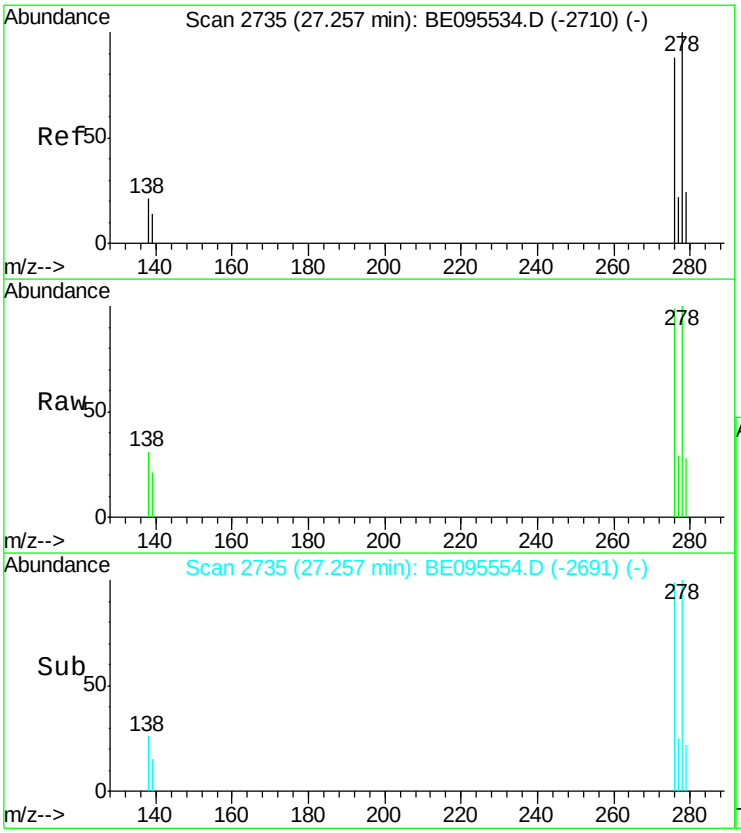
#37
Benzo(a)pyrene
Concen: 0.194 ng
RT: 24.31 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3625

Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.0	24.0#
125	15.3	12.0	18.0

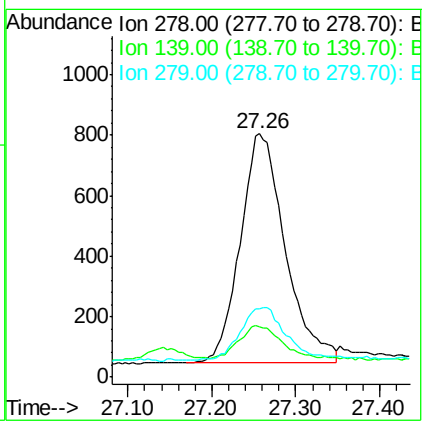


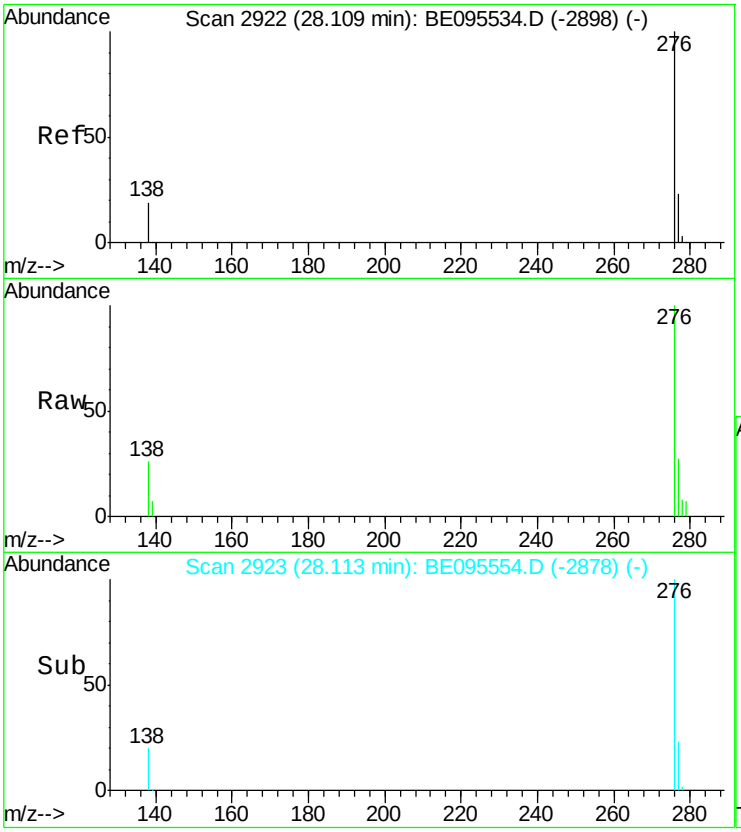


#38
Dibenzo(a,h)anthracene
Concen: 0.173 ng
RT: 27.26 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Tgt Ion:278 Resp: 2826

Ion	Ratio	Lower	Upper
278	100		
139	20.6	16.0	24.0
279	28.1	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.184 ng
RT: 28.11 min Scan# 2923
Delta R.T. 0.00 min
Lab File: BE095554.D
Acq: 7 Feb 2018 15:53

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3238

Ion	Ratio	Lower	Upper
276	100		
277	27.3	16.0	24.0#
138	25.5	20.0	30.0