Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
Data File : BE095838.D
Acq On : 26 Mar 2018 13:51
Operator : SJ/JU
Sample : J1994-09MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PR-MW-03-031918MS

Quant Time: Mar 27 05:40:27 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1181	0.40	ng		0.00
7) Naphthalene-d8	11.26	136	4241	0.40	ng		0.00
13) Acenaphthene-d10	14.99	164	2352	0.40	ng		-0.01
19) Phenanthrene-d10	17.70	188	5431	0.40	ng		-0.01
27) Chrysene-d12	21.79	240	6515	0.40	ng		-0.01
34) Perylene-d12	24.42	264	6457	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	694	0.18	ng		0.00
5) Phenol-d6	7.56	99	587	0.11	ng		0.00
8) Nitrobenzene-d5	9.59	82	2472	0.49	ng		0.00
11) 2-Methylnaphthalene-d10	12.79	152	2729	0.39	ng		0.00
14) 2,4,6-Tribromophenol	16.46	330	530	0.39	ng		-0.01
15) 2-Fluorobiphenyl	13.63	172	5933	0.60	ng		-0.01
25) Fluoranthene-d10	19.68	212	31072	0.39	ng		0.00
29) Terphenyl-d14	20.24	244	8298	0.60	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.63	88	299	0.155	ng	#	64
3) n-Nitrosodimethylamine	3.98	42	373	0.131	ng		87
6) bis(2-Chloroethyl)ether	7.81	93	1834	0.397	ng		95
9) Naphthalene	11.31	128	21395	0.442	ng		100
10) Hexachlorobutadiene	11.56	225	1289	0.387	ng		98
12) 2-Methylnaphthalene	12.87	142	3609	0.436	ng		98
16) Acenaphthylene	14.73	152	5437	0.404	ng		99
17) Acenaphthene	15.06	154	3277	0.399	ng		96
18) Fluorene	16.02	166	4275	0.396	ng	#	78
20) 4-Bromophenyl-phenylether	16.89	248	1378	0.422	ng	#	85
21) Hexachlorobenzene	17.02	284	1331	0.408	ng	#	80
22) Pentachlorophenol	17.36	266	1071	1.001	ng	#	72
23) Phenanthrene	17.74	178	7081	0.436	ng		99
24) Anthracene	17.84	178	6953	0.428	ng		95
26) Fluoranthene	19.71	202	9410	0.417	ng		97
28) Pyrene	20.06	202	11422	0.430	ng		97
30) Benzo(a)anthracene	21.78	228	9613	0.425	ng		97
31) Chrysene	21.83	228	9035	0.438	ng		96
32) Bis(2-ethylhexyl)phthalate	21.64	149	29430	0.426	ng		99
33) Indeno(1,2,3-cd)pyrene	27.23	276	10281	0.463	ng	#	93
35) Benzo(b)fluoranthene	23.60	252	9314	0.436	ng	#	94
36) Benzo(k)fluoranthene	23.66	252	9058	0.424	ng	#	92
37) Benzo(a)pyrene	24.30	252	8803	0.440	ng	#	92
38) Dibenzo(a,h)anthracene	27.24	278	8418	0.443	ng		97
39) Benzo(g,h,i)perylene	28.10	276	8612	0.451	ng	#	92

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
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PR-MW-03-031918MS

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
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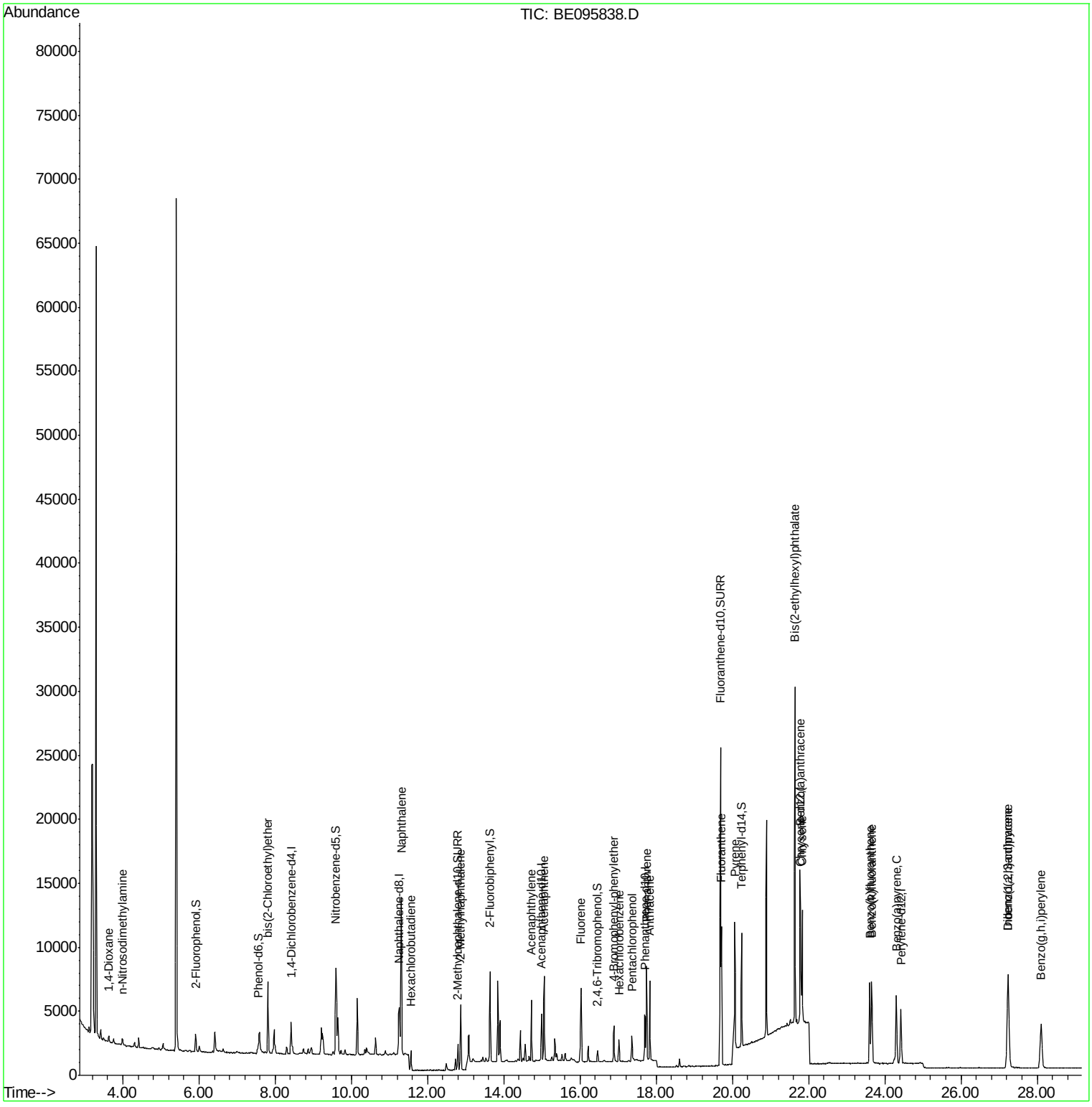
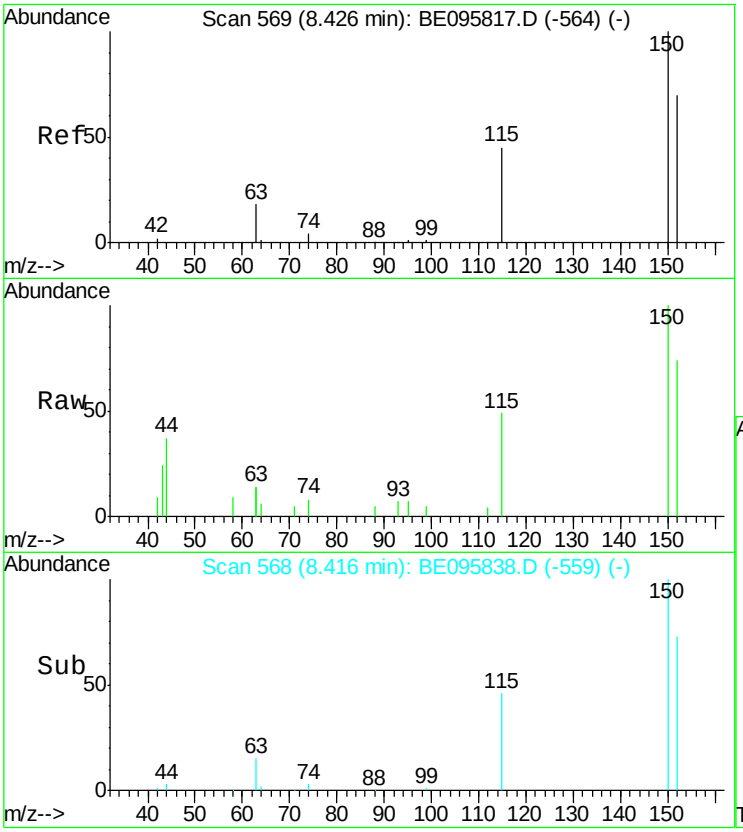


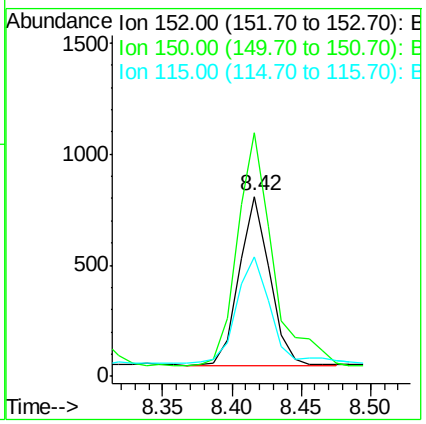


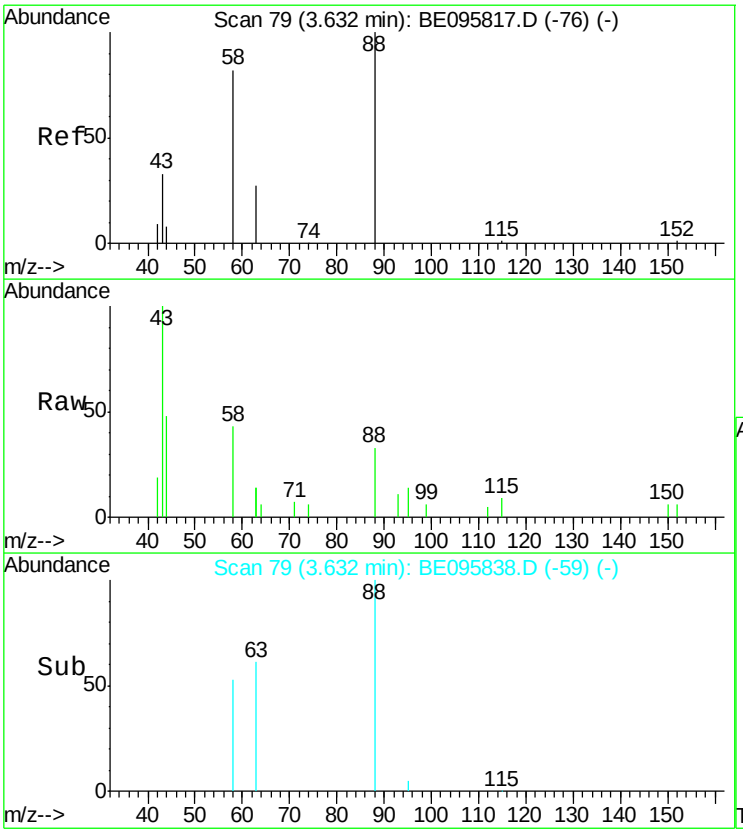
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:152 Resp: 1181

Ion	Ratio	Lower	Upper
152	100		
150	135.1	117.2	175.8
115	66.6	57.0	85.6

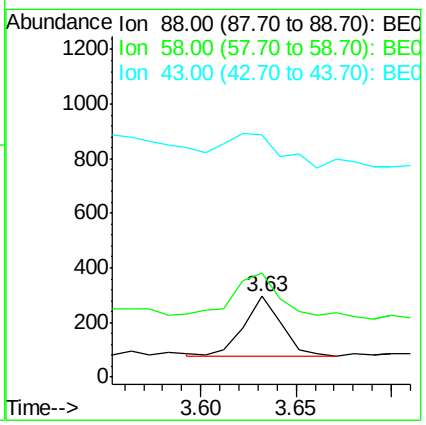


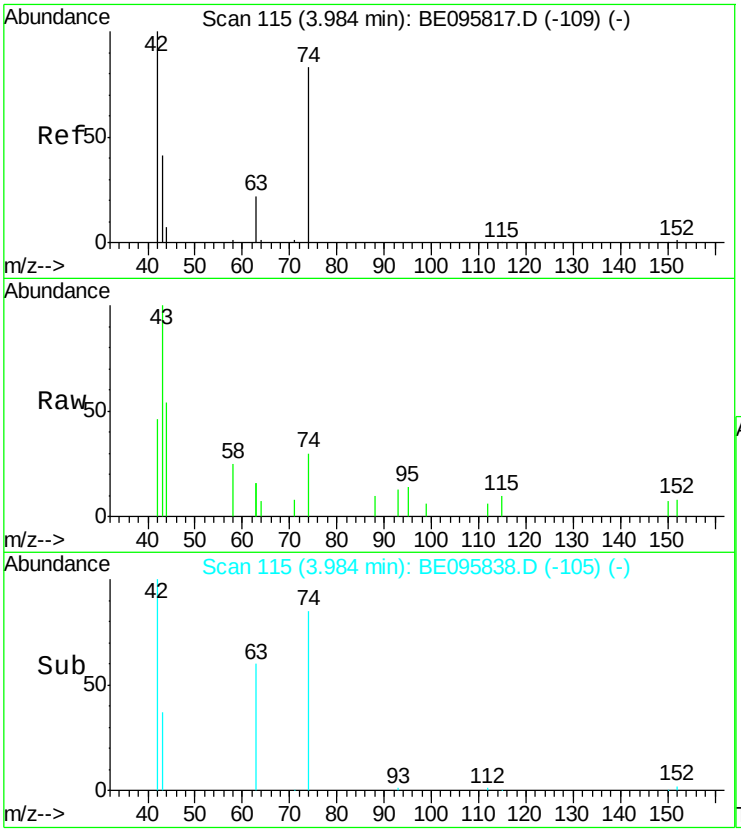


#2
1,4-Dioxane
Concen: 0.155 ng
RT: 3.63 min Scan# 79
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion: 88 Resp: 299

Ion	Ratio	Lower	Upper
88	100		
58	103.7	63.2	94.8#
43	84.9	41.2	61.8#



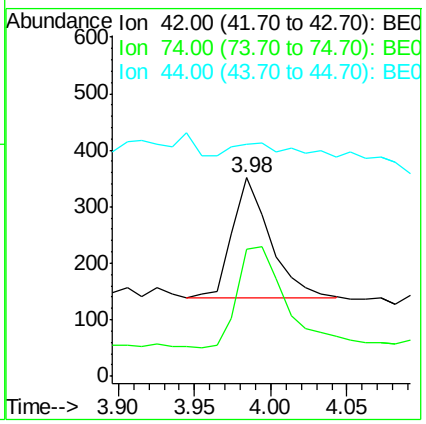


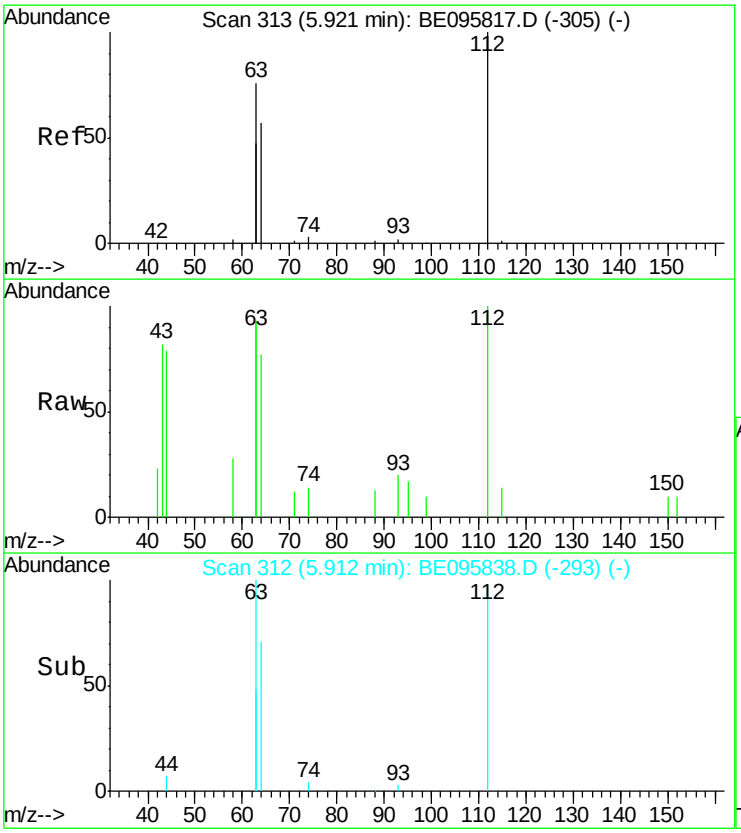
#3
n-Nitrosodimethylamine
Concen: 0.131 ng
RT: 3.98 min Scan# 115
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion: 42 Resp: 373

Ion	Ratio	Lower	Upper
42	100		
74	104.8	96.0	144.0
44	17.2	12.0	18.0

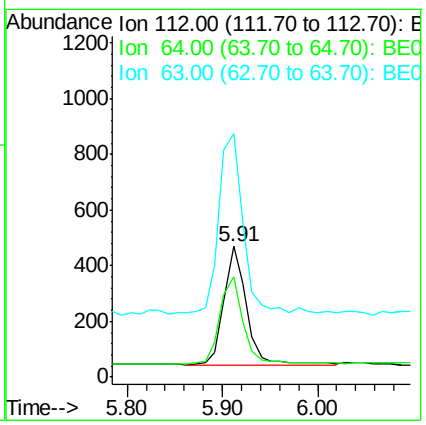


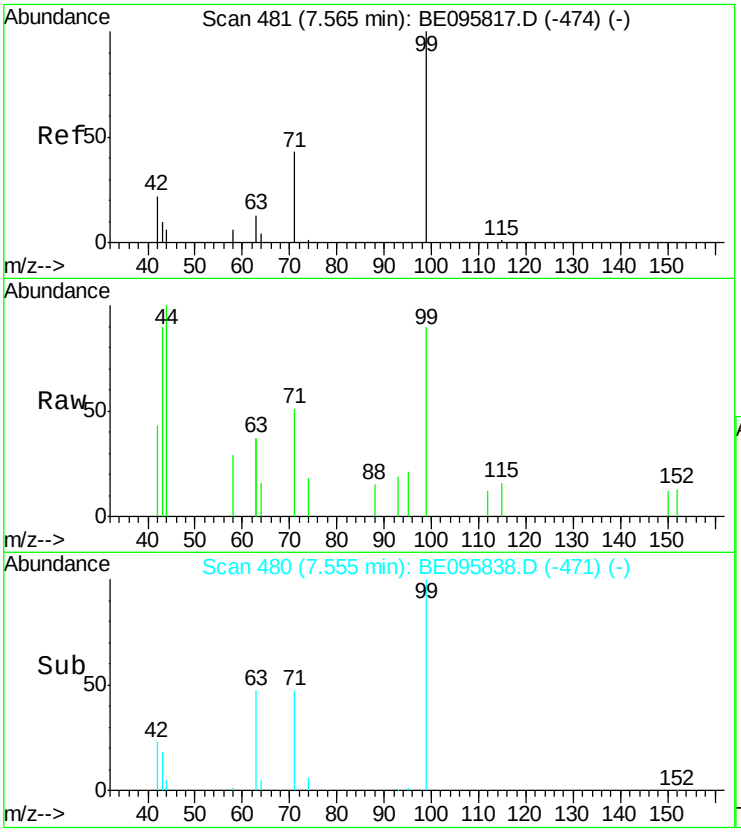


#4
2-Fluorophenol
Concen: 0.178 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:112 Resp: 694

Ion	Ratio	Lower	Upper
112	100		
64	76.5	60.1	90.1
63	170.2	116.8	175.2



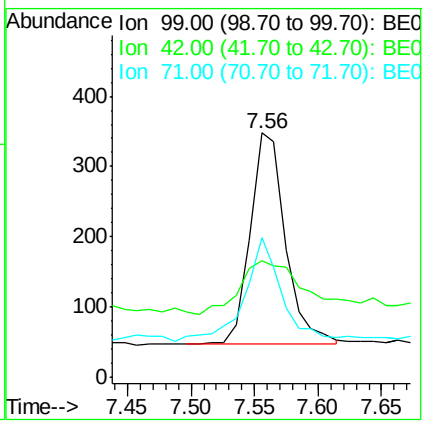


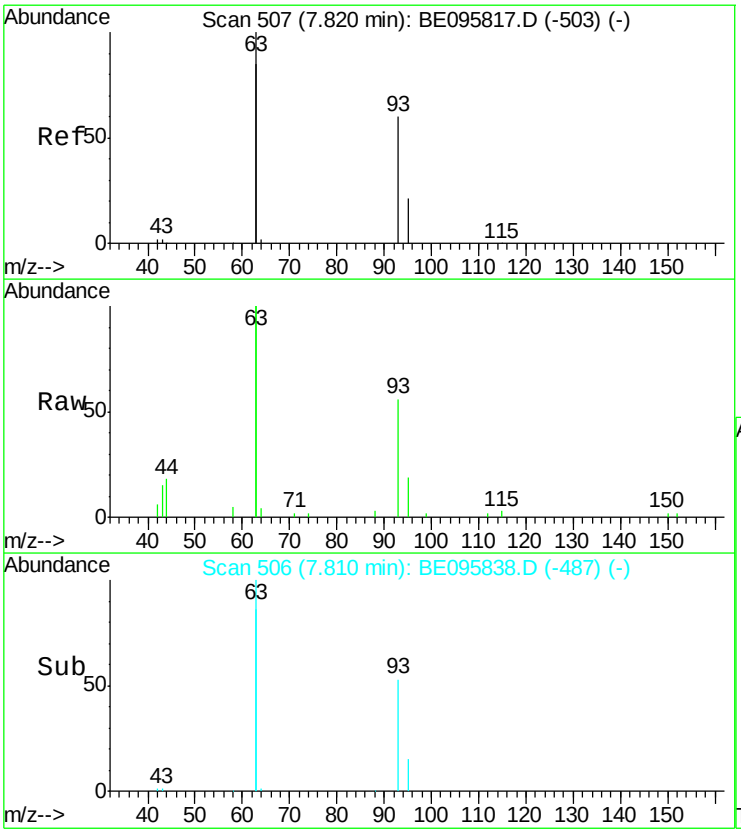
#5
Phenol-d6
Concen: 0.110 ng
RT: 7.56 min Scan# 480
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion: 99 Resp: 587

Ion	Ratio	Lower	Upper
99	100		
42	42.6	20.2	30.2#
71	52.0	28.4	42.6#

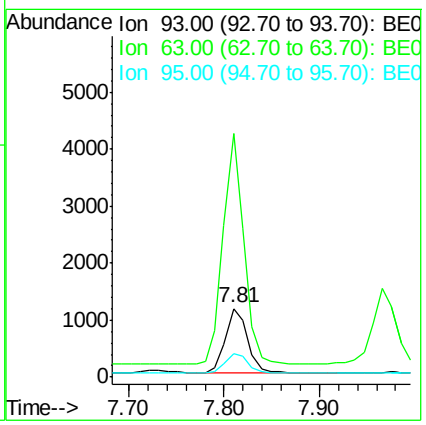


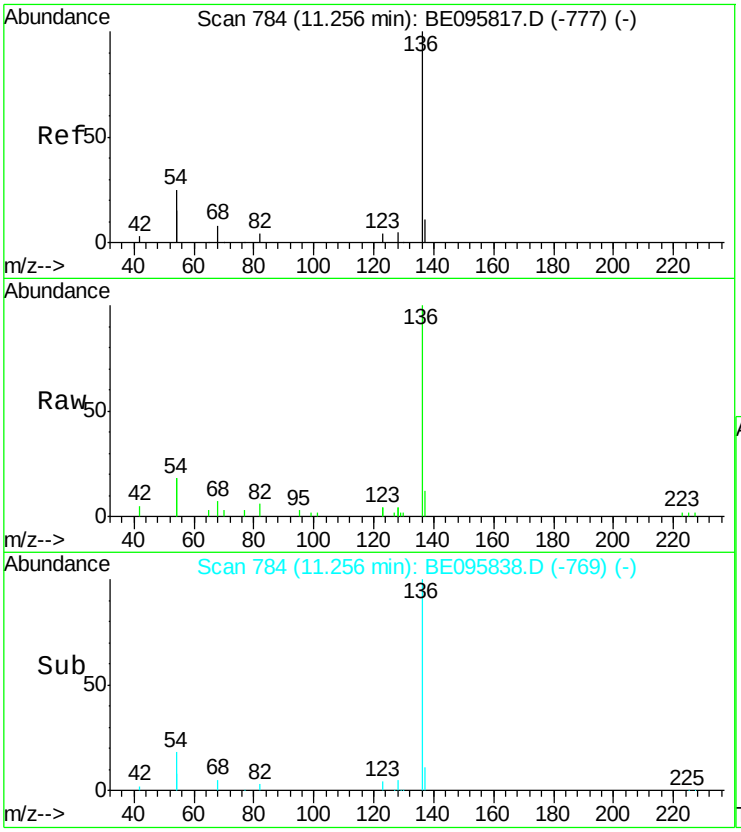


#6
bis(2-Chloroethyl)ether
Concen: 0.397 ng
RT: 7.81 min Scan# 506
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion: 93 Resp: 1834

Ion	Ratio	Lower	Upper
93	100		
63	333.4	275.3	412.9
95	30.6	25.2	37.8



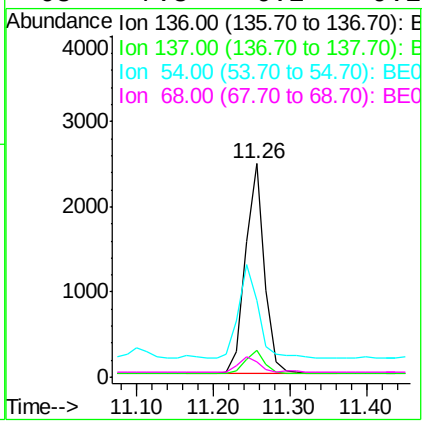


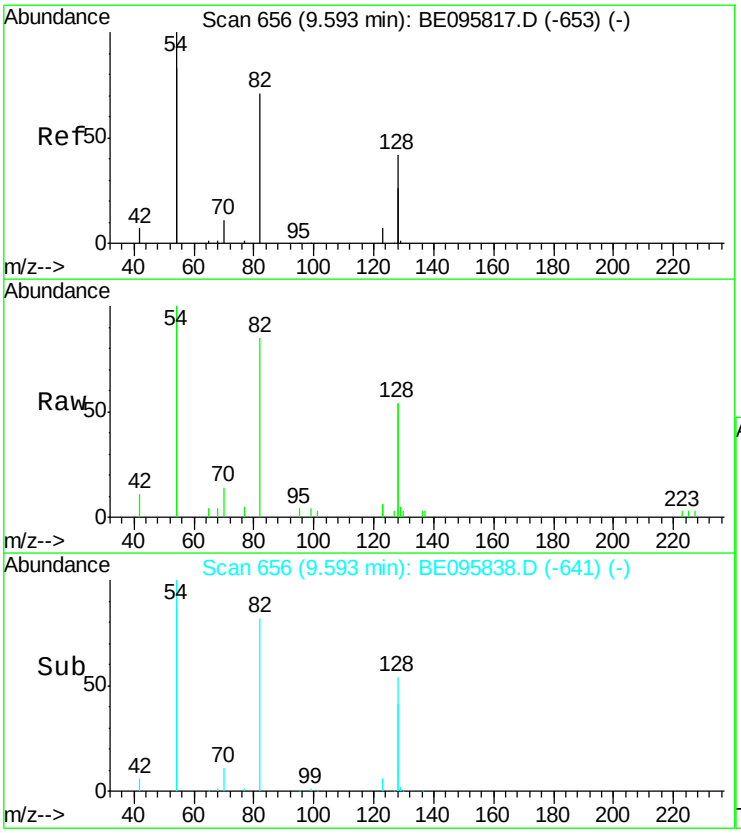
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:136 Resp: 4241

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	35.8	29.1	43.7
68	7.3	6.2	9.2

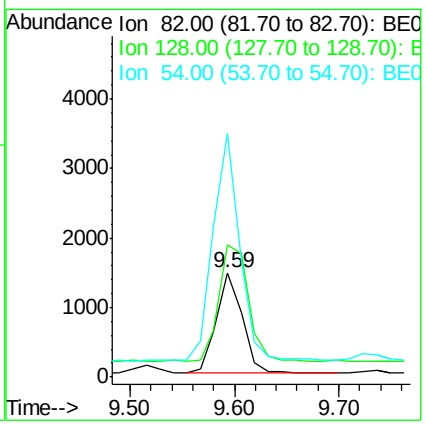


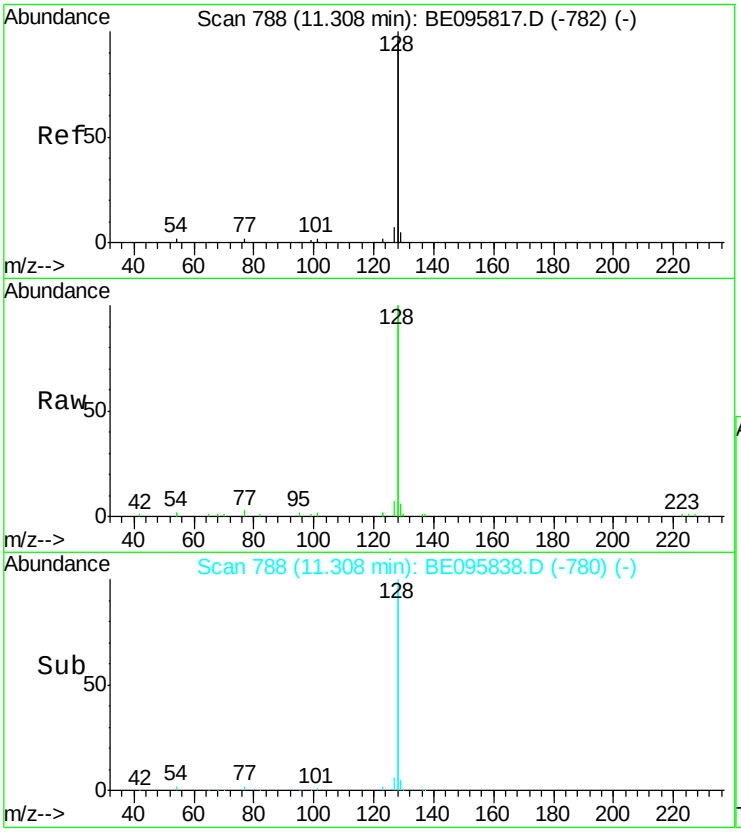


#8
Nitrobenzene-d5
Concen: 0.493 ng
RT: 9.59 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion: 82 Resp: 2472

Ion	Ratio	Lower	Upper
82	100		
128	126.8	150.0	225.0#
54	233.9	154.2	231.4#



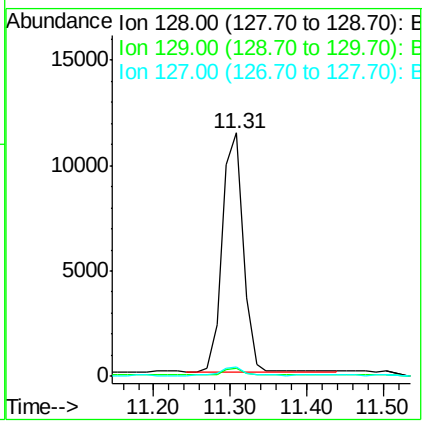


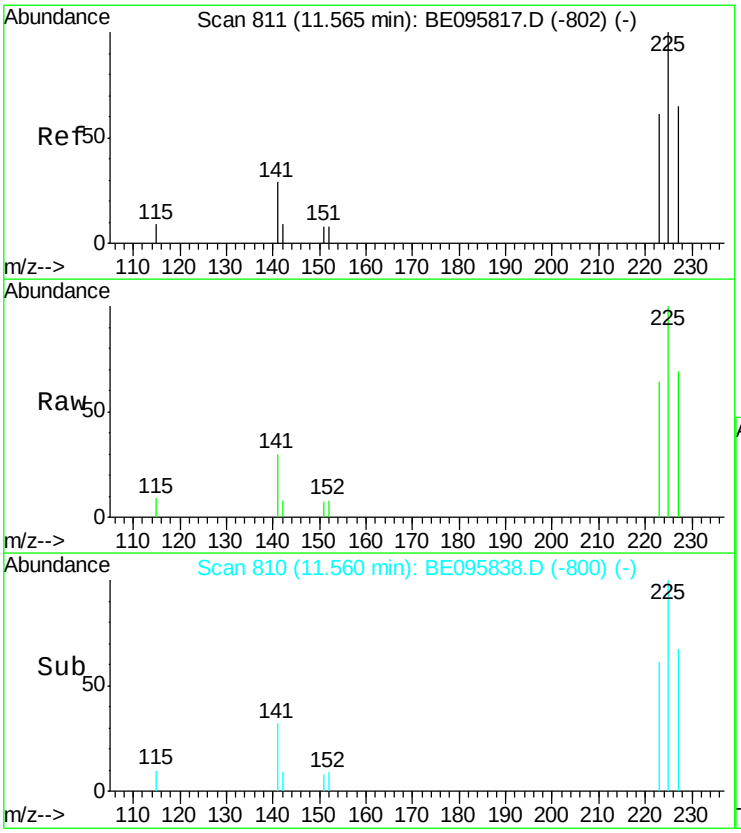
#9
Naphthalene
Concen: 0.442 ng
RT: 11.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:128 Resp: 21395

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.7	2.8	4.2

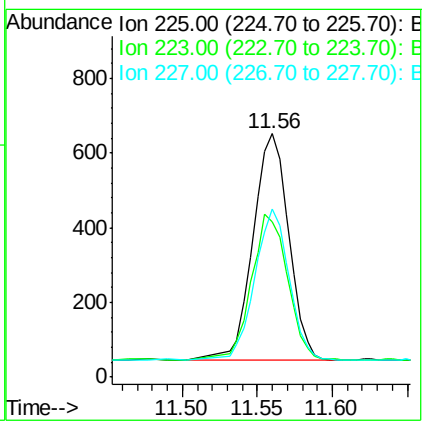


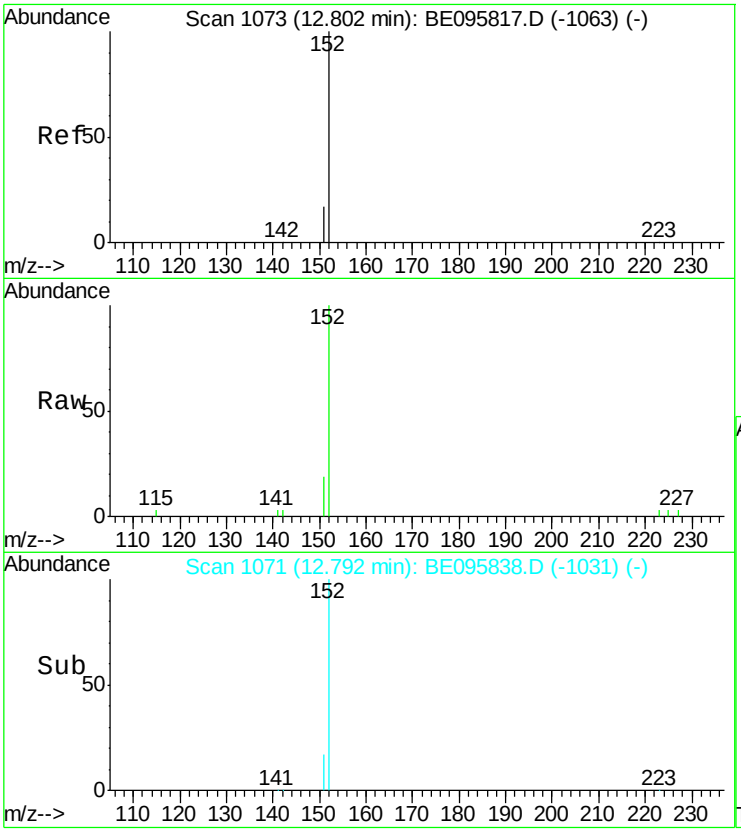


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 11.56 min Scan# 810
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:225 Resp: 1289

Ion	Ratio	Lower	Upper
225	100		
223	63.4	53.0	79.6
227	63.4	51.4	77.2



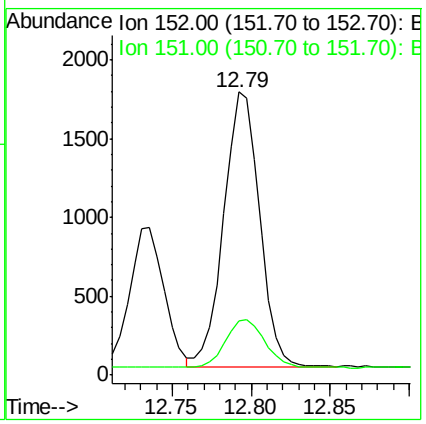


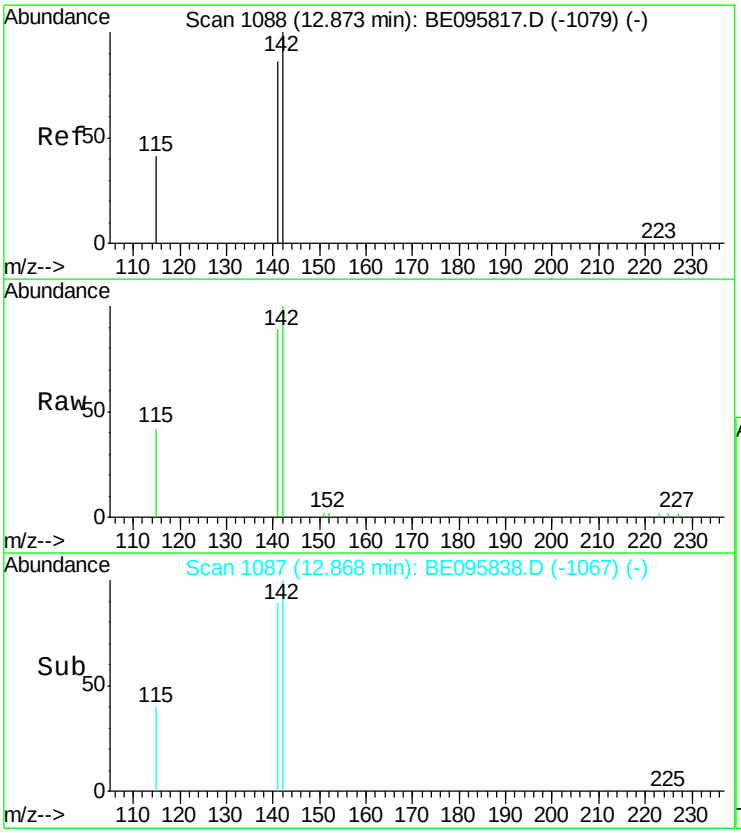
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:152 Resp: 2729

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.0

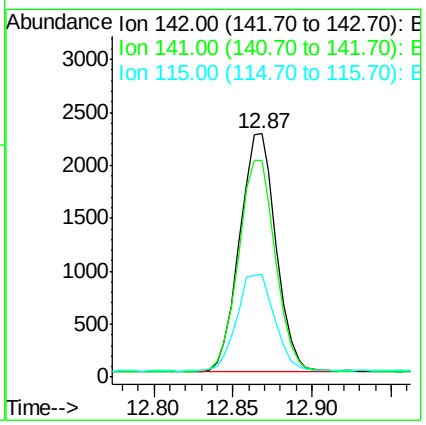


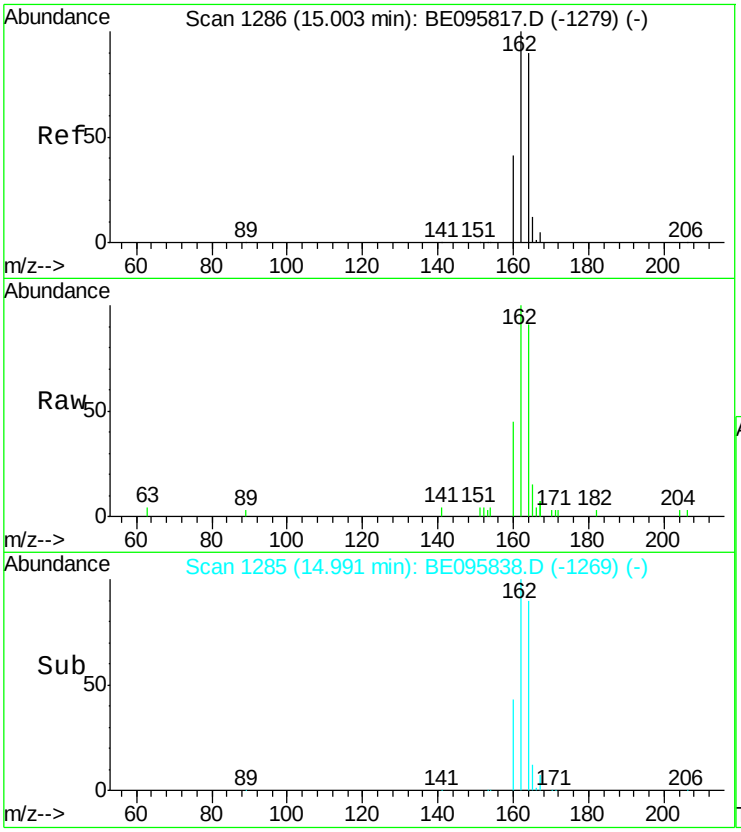


#12
2-Methylnaphthalene
Concen: 0.436 ng
RT: 12.87 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:142 Resp: 3609

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	42.0	31.7	47.5



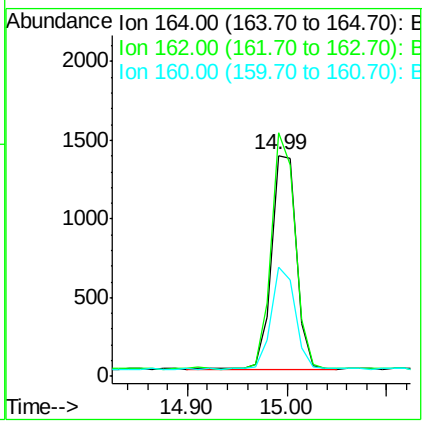


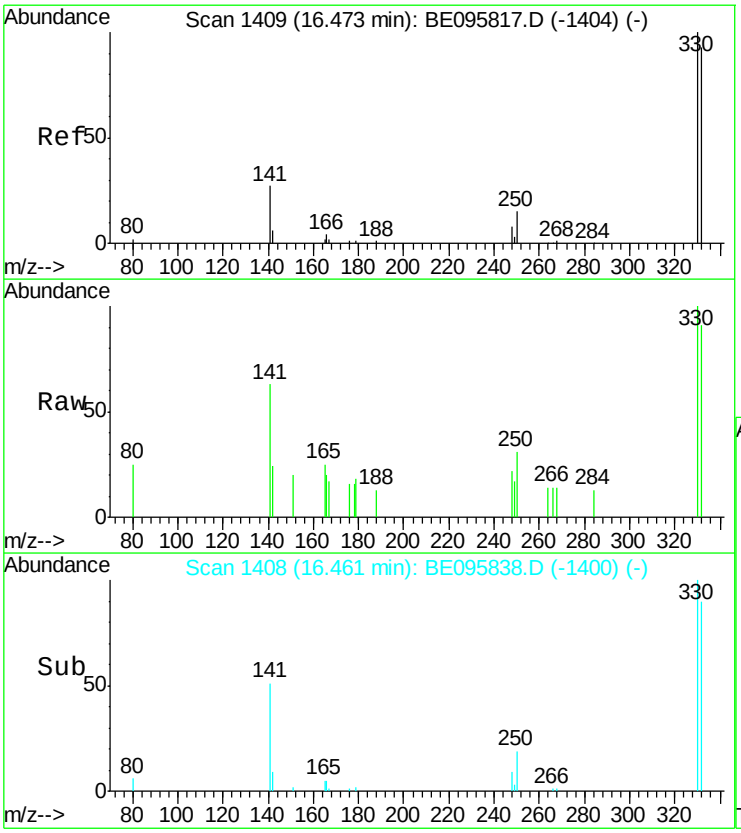
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:164 Resp: 2352

Ion	Ratio	Lower	Upper
164	100		
162	110.3	83.1	124.7
160	49.7	37.1	55.7

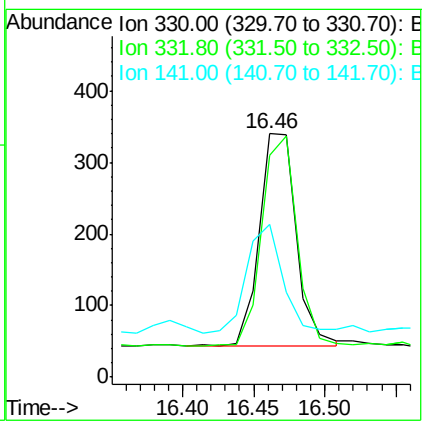


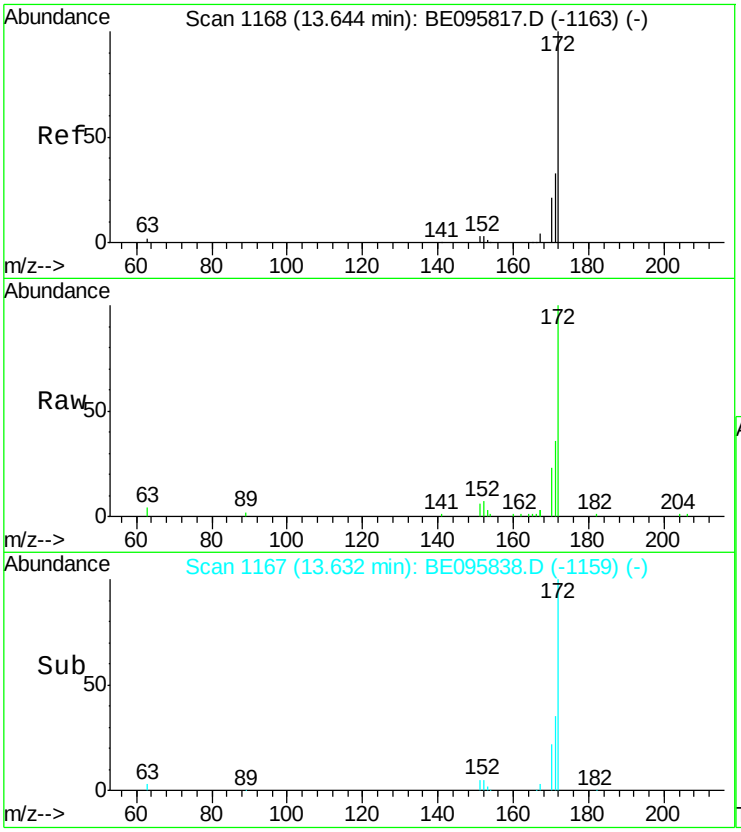


#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 16.46 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:330 Resp: 530

Ion	Ratio	Lower	Upper
330	100		
332	94.2	152.7	229.1#
141	50.0	33.7	50.5



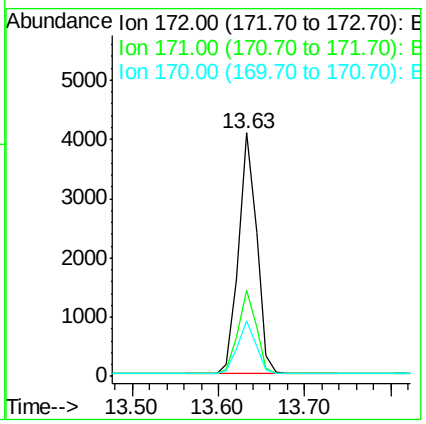


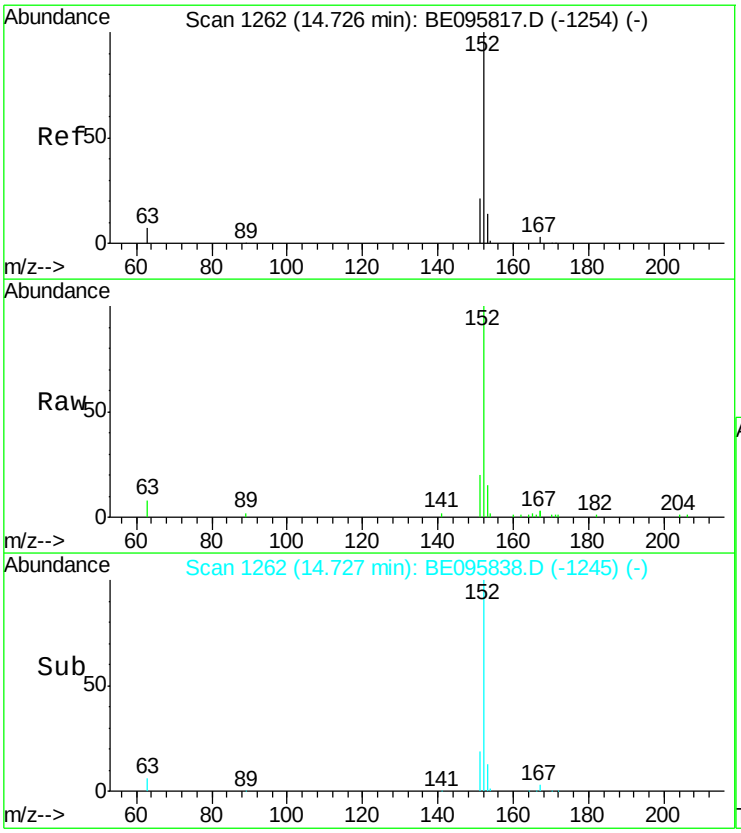
#15
2-Fluorobiphenyl
Concen: 0.599 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:172 Resp: 5933

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	22.8	21.8	32.8

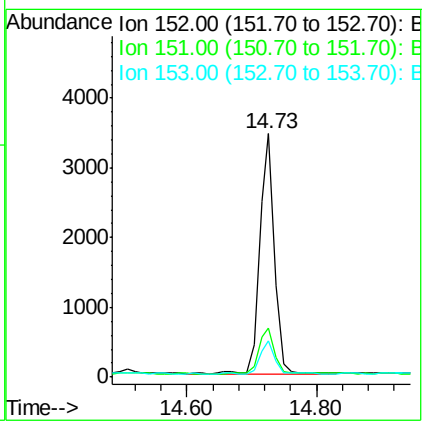


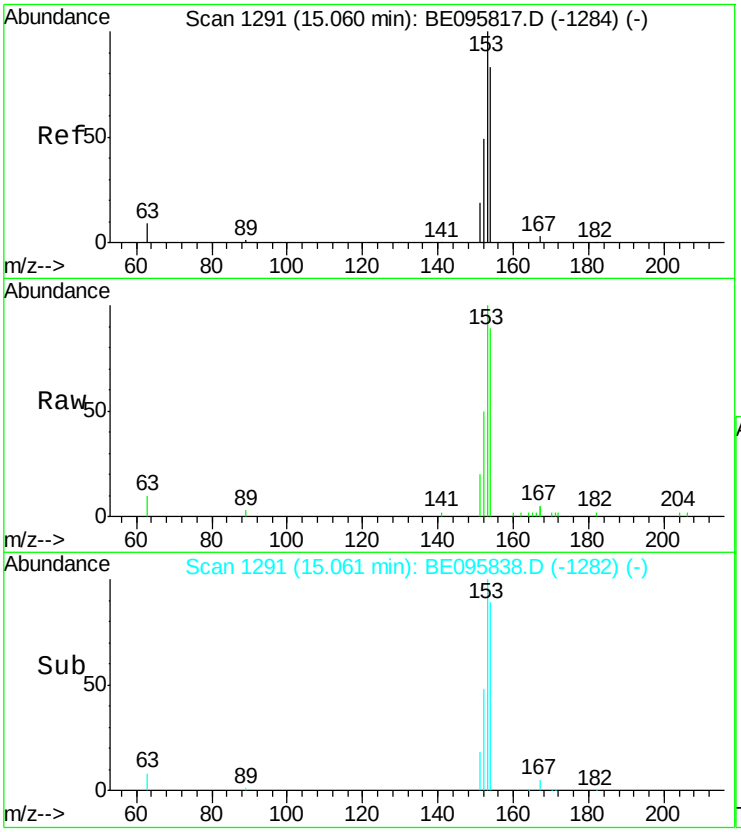


#16
Acenaphthylene
Concen: 0.404 ng
RT: 14.73 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:152 Resp: 5437

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.5	10.5	15.7



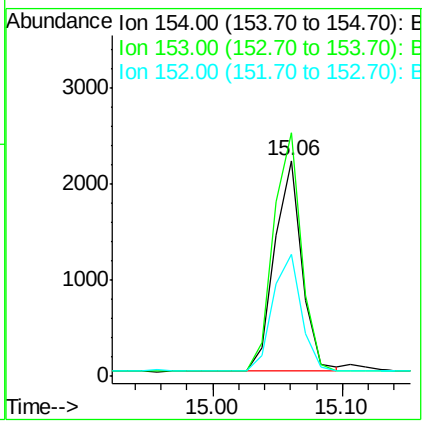


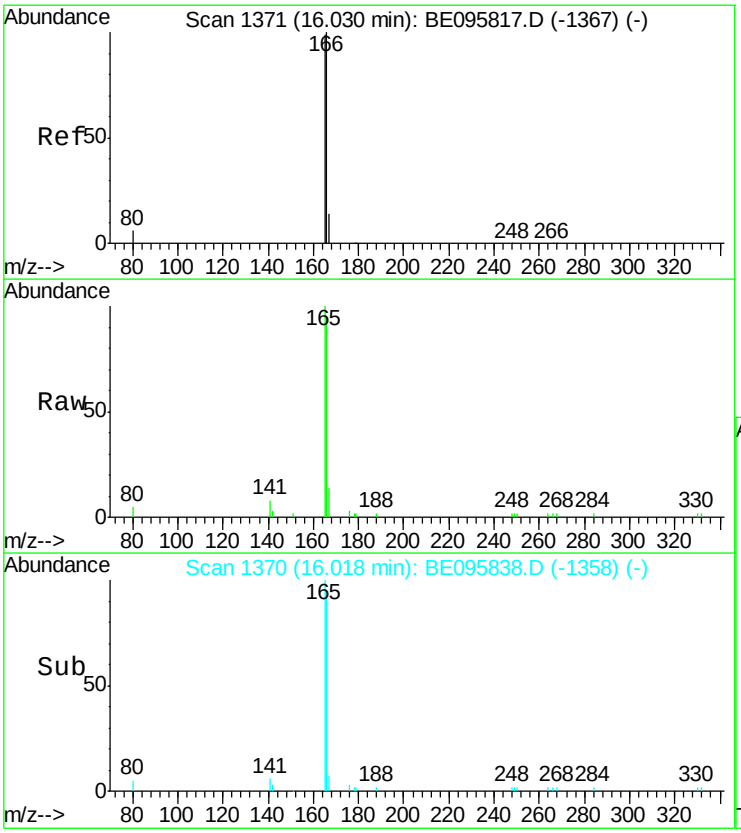
#17
Acenaphthene
Concen: 0.399 ng
RT: 15.06 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:154 Resp: 3277

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.2	133.8
152	57.4	42.0	63.0

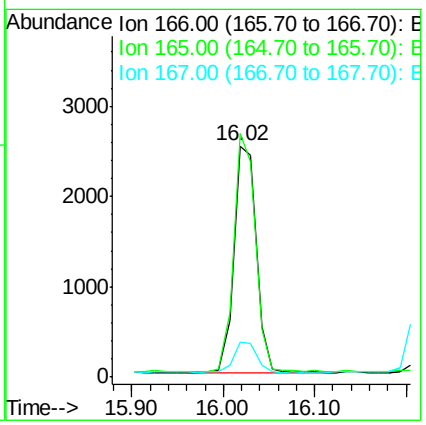


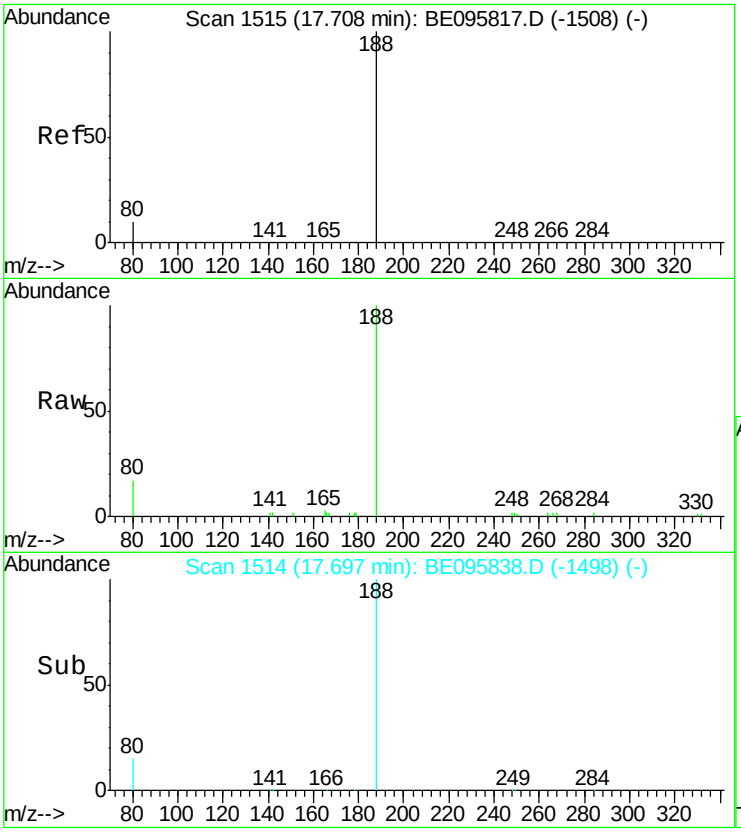


#18
Fluorene
Concen: 0.396 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:166 Resp: 4275

Ion	Ratio	Lower	Upper
166	100		
165	100.9	77.8	116.6
167	14.2	42.4	63.6#



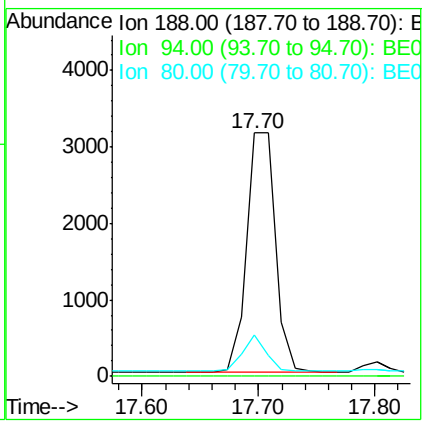


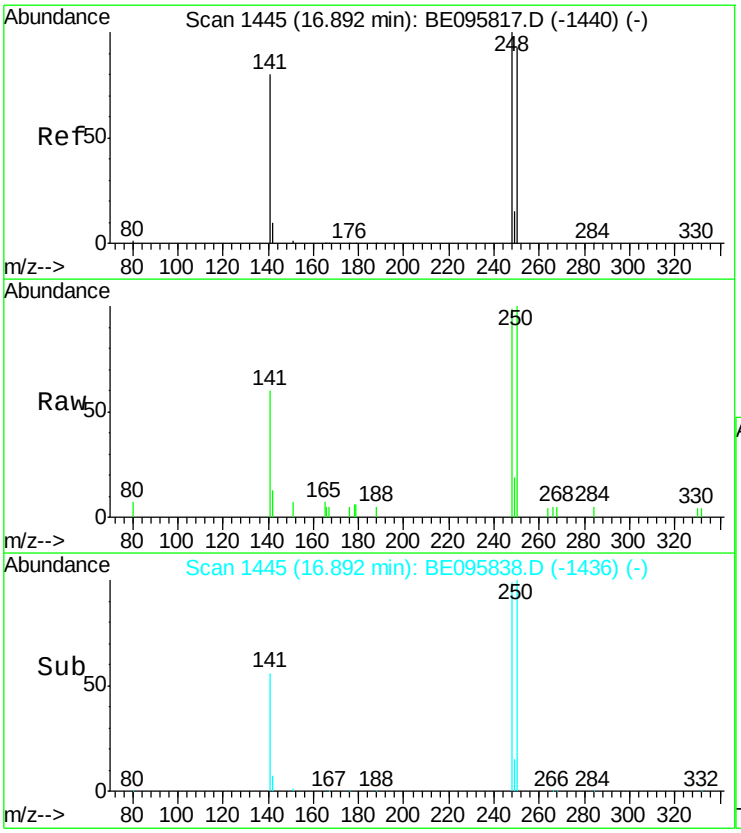
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:188 Resp: 5431

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	16.9	3.6	5.4#

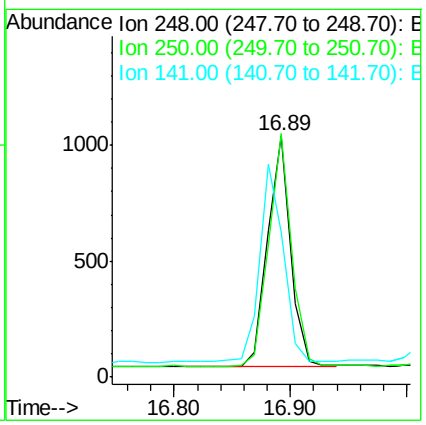


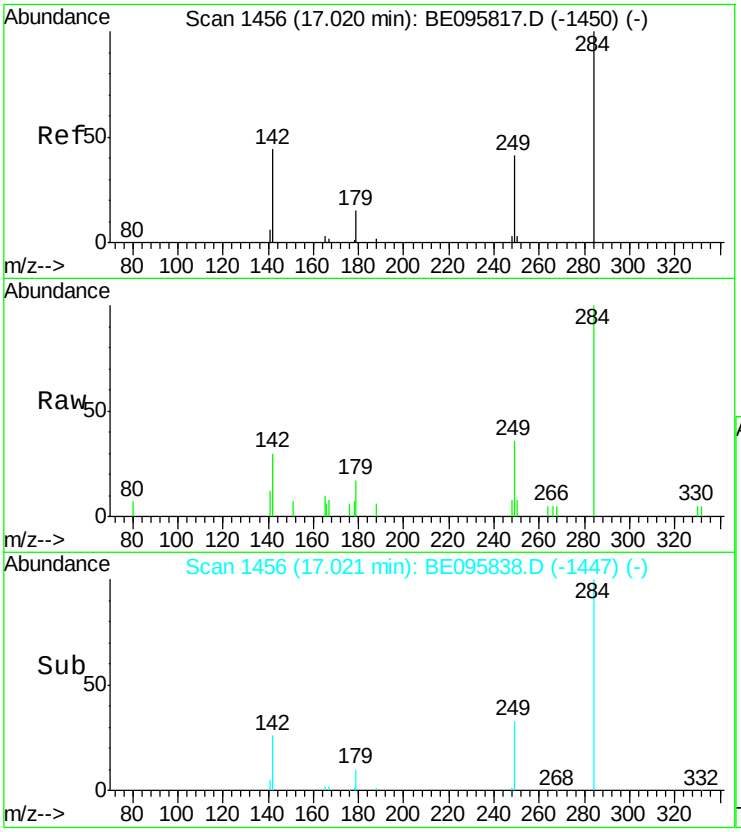


#20
4-Bromophenyl-phenylether
Concen: 0.422 ng
RT: 16.89 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:248 Resp: 1378

Ion	Ratio	Lower	Upper
248	100		
250	101.0	62.7	94.1#
141	60.3	48.2	72.2



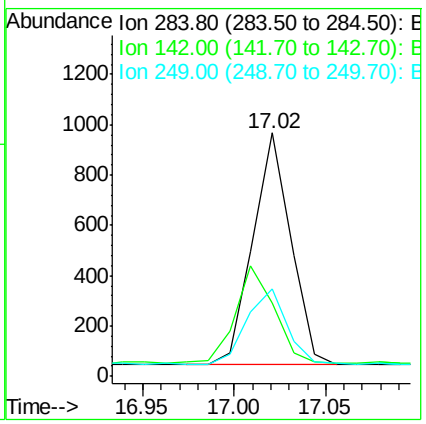


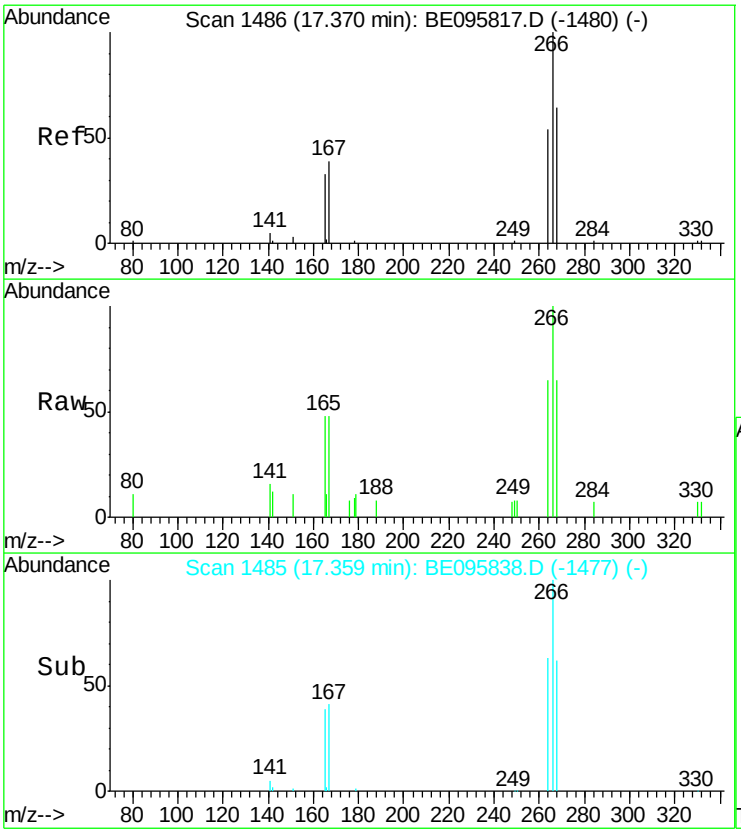
#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 17.02 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:284 Resp: 1331

Ion	Ratio	Lower	Upper
284	100		
142	42.3	22.1	33.1#
249	34.0	34.8	52.2#

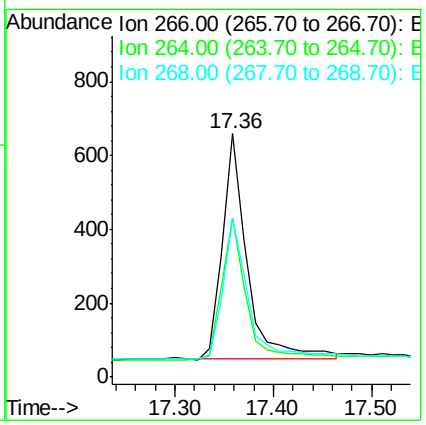


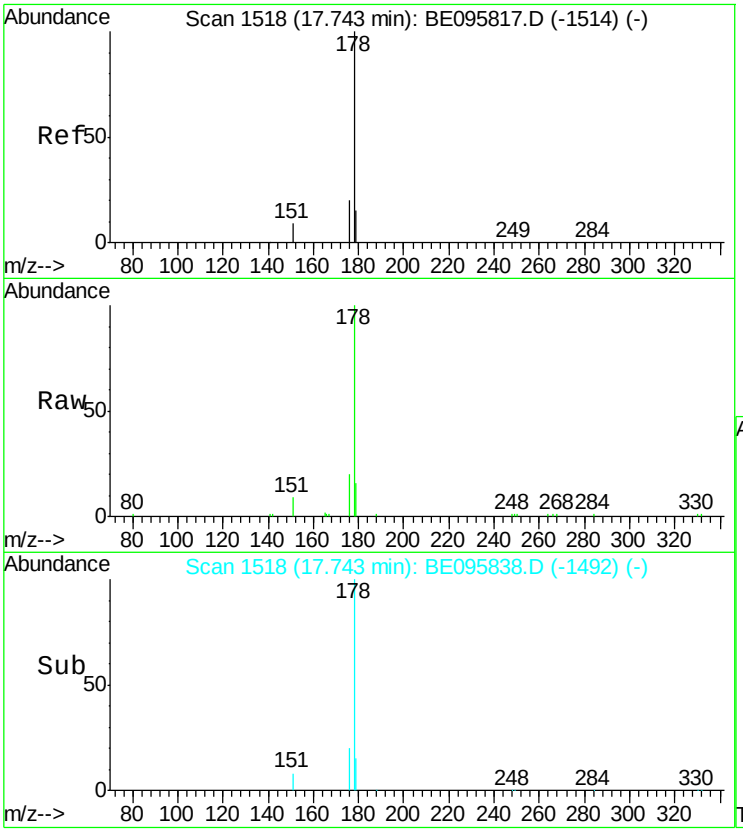


#22
Pentachlorophenol
Concen: 1.001 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:266 Resp: 1071

Ion	Ratio	Lower	Upper
266	100		
264	65.3	72.5	108.7#
268	65.3	73.8	110.6#



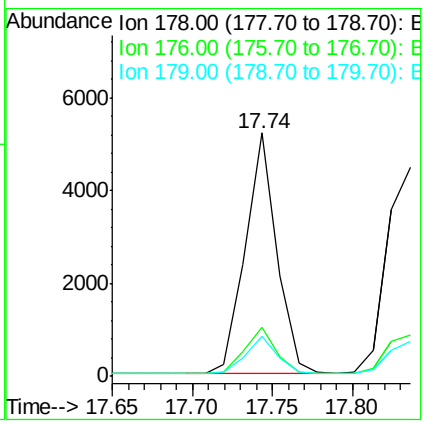


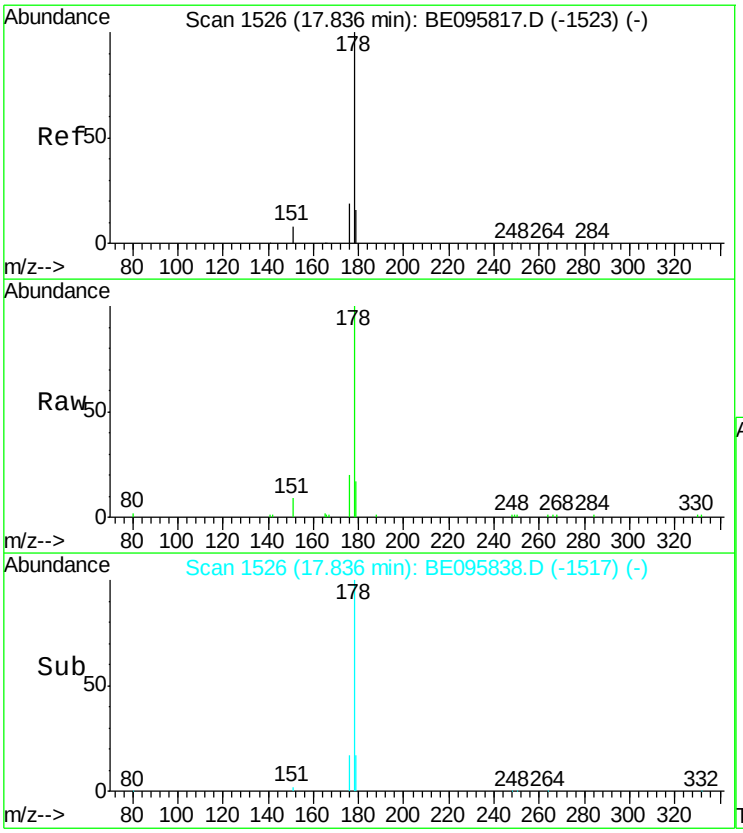
#23
Phenanthrene
Concen: 0.436 ng
RT: 17.74 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:178 Resp: 7081

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.3	11.8	17.6

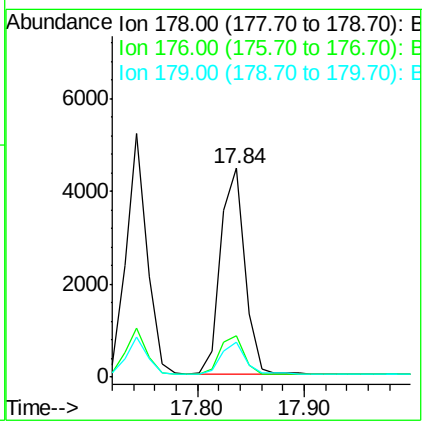


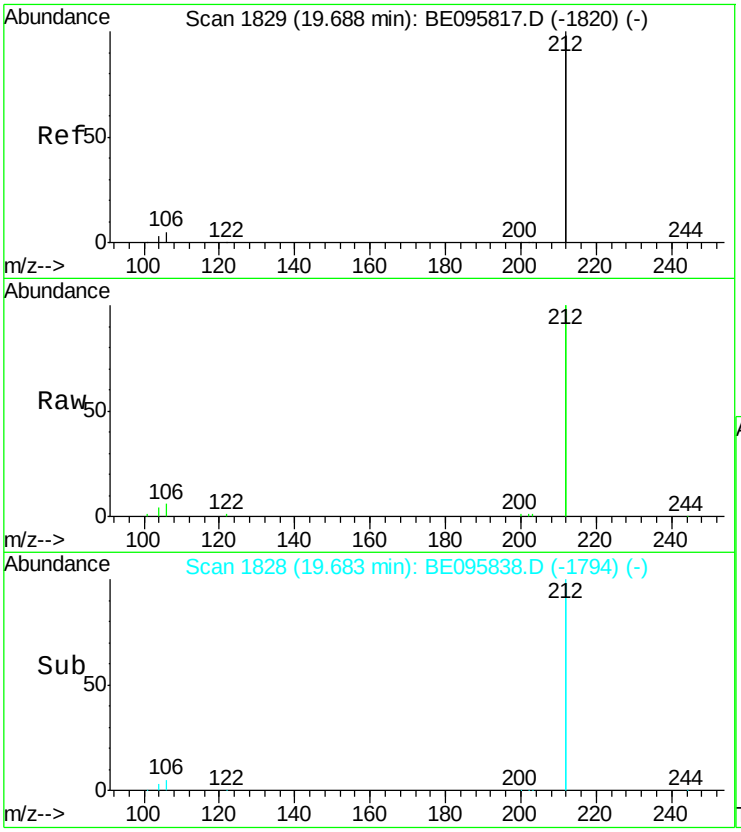


#24
Anthracene
Concen: 0.428 ng
RT: 17.84 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:178 Resp: 6953

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.1	13.0	19.6



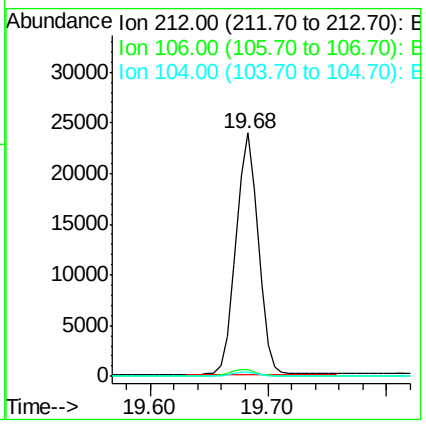


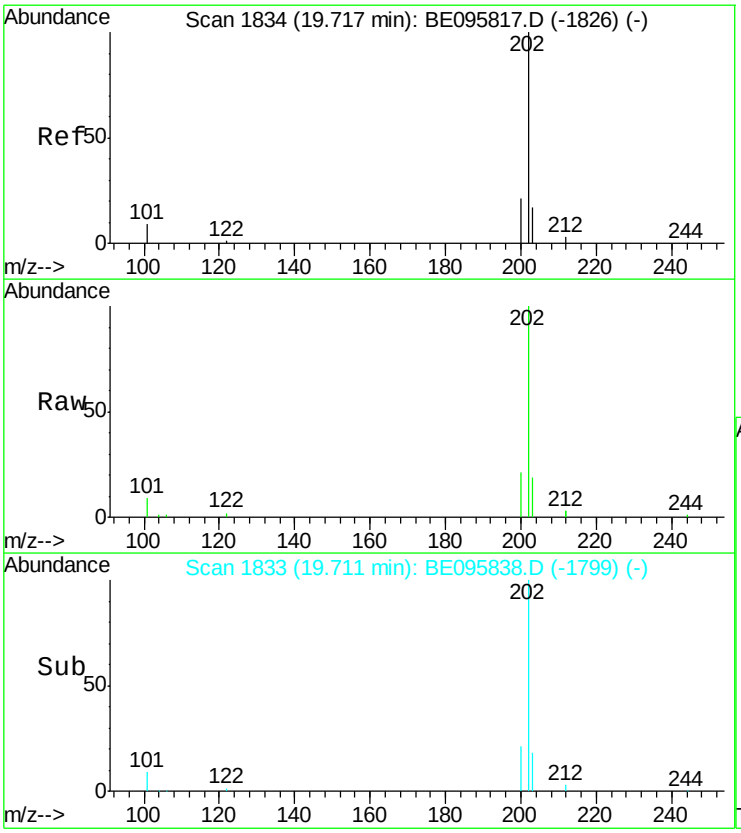
#25
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.68 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:212 Resp: 31072

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.8	1.6	2.4

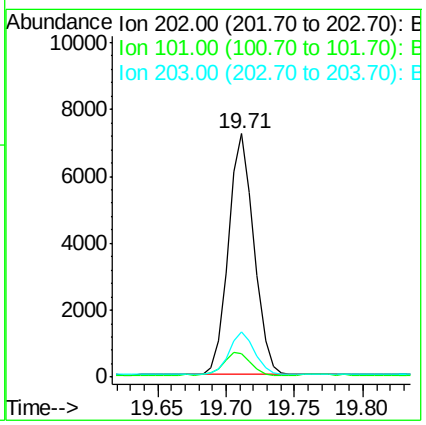


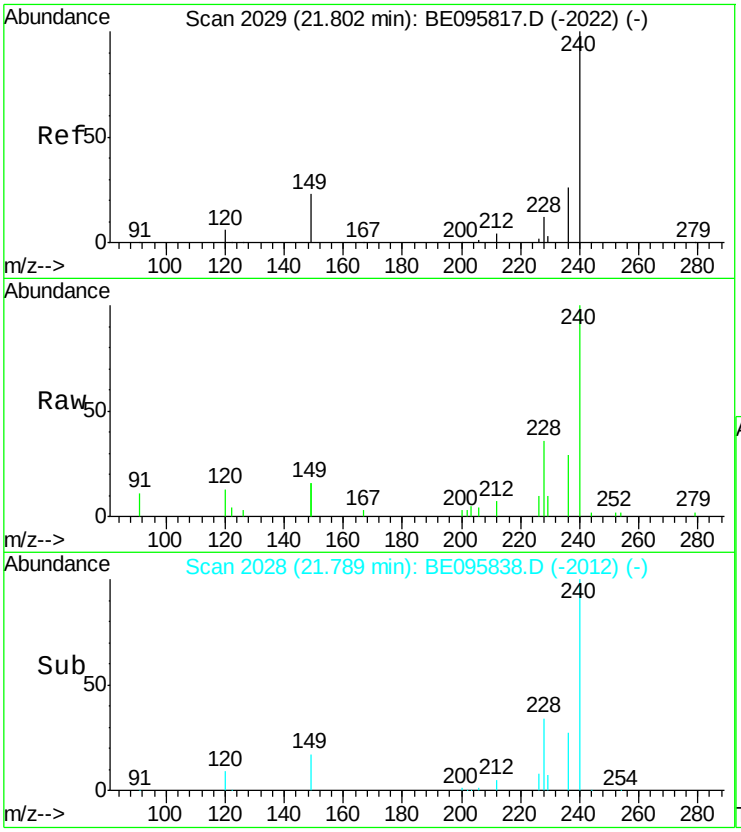


#26
Fluoranthene
Concen: 0.417 ng
RT: 19.71 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:202 Resp: 9410

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.5	13.7	20.5



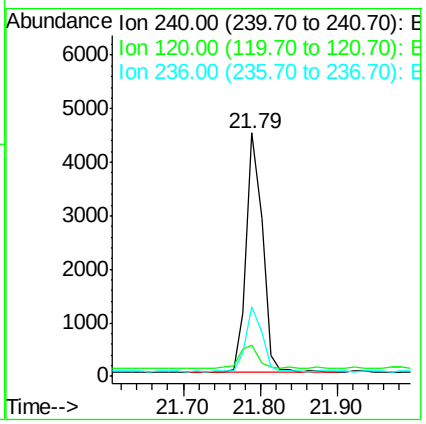


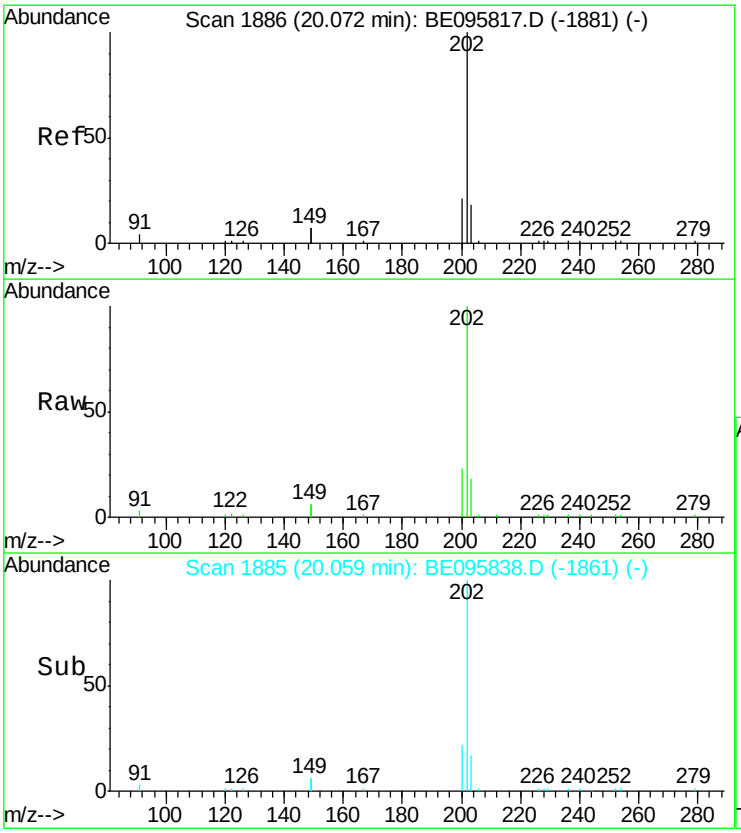
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:240 Resp: 6515

Ion	Ratio	Lower	Upper
240	100		
120	12.8	5.5	8.3#
236	28.7	20.7	31.1

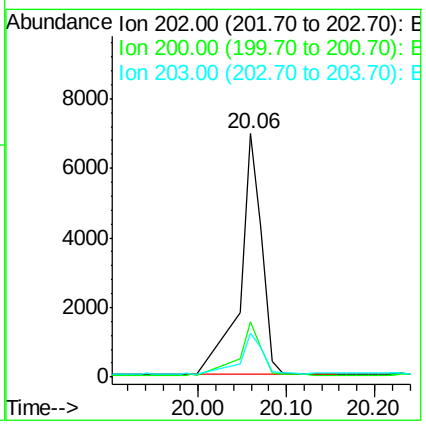


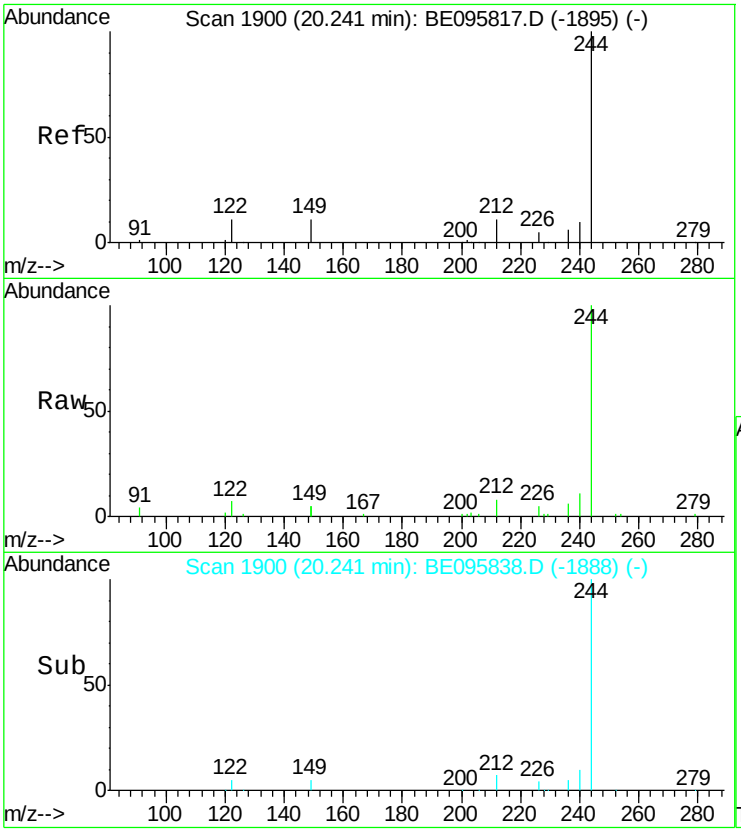


#28
Pyrene
Concen: 0.430 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:202 Resp: 11422

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	25.0
203	15.7	13.8	20.8



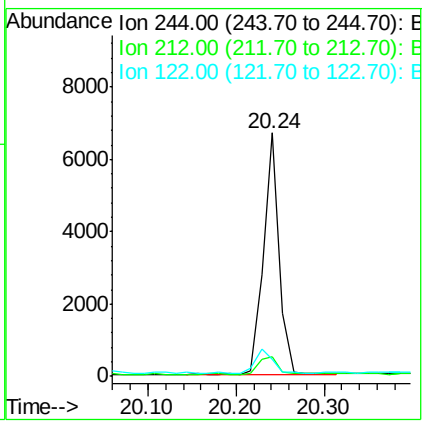


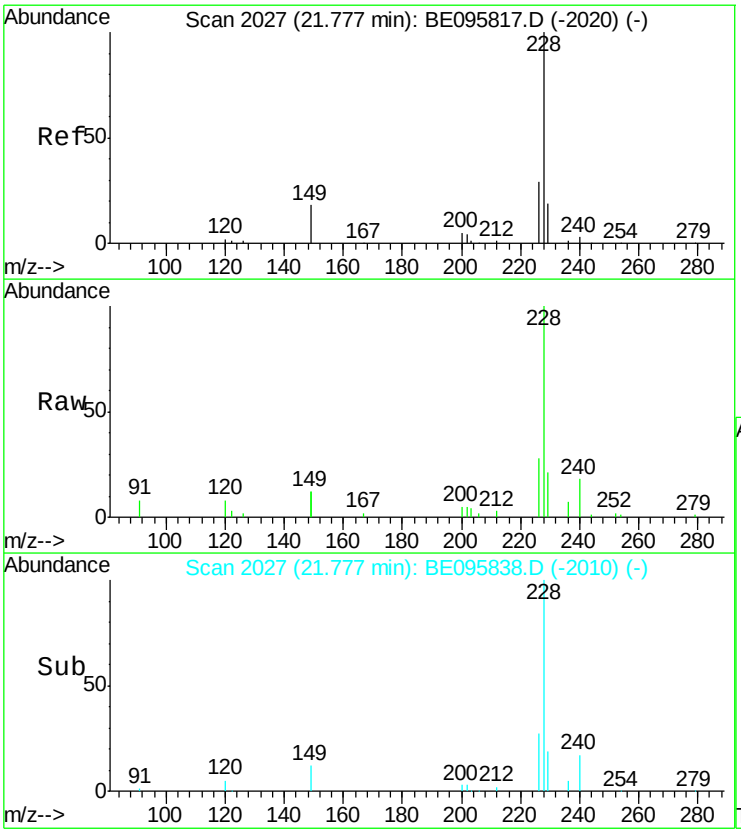
#29
Terphenyl-d14
Concen: 0.600 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:244 Resp: 8298

Ion	Ratio	Lower	Upper
244	100		
212	8.0	25.4	38.0#
122	6.9	8.1	12.1#

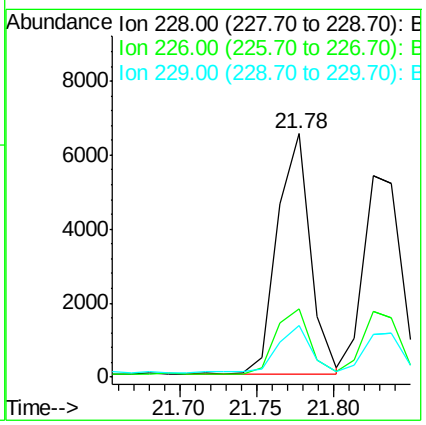


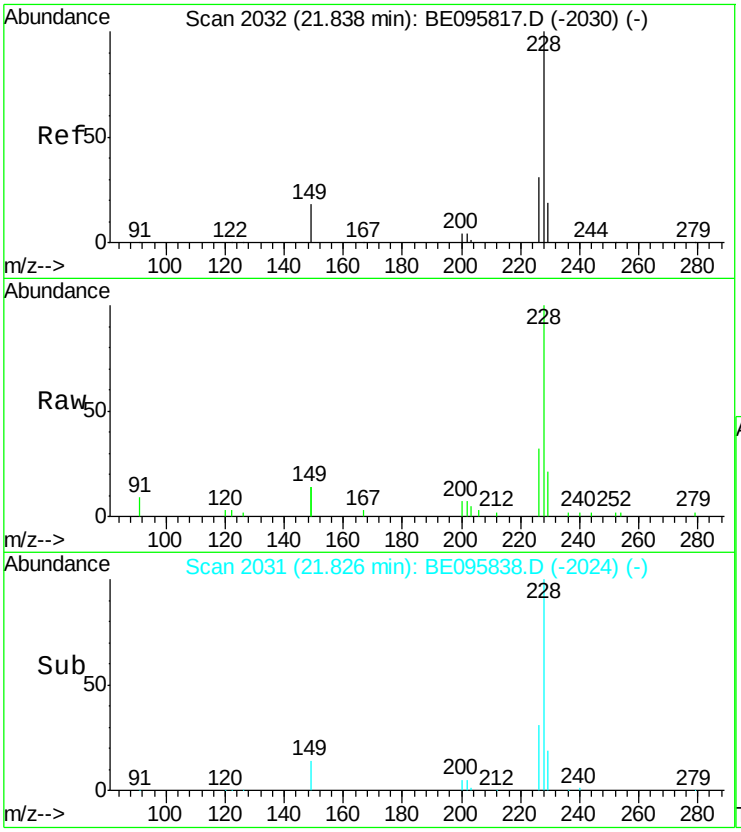


#30
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:228 Resp: 9613

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.0	36.0
229	21.2	16.0	24.0



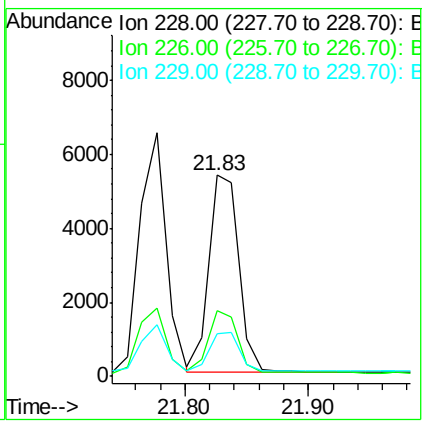


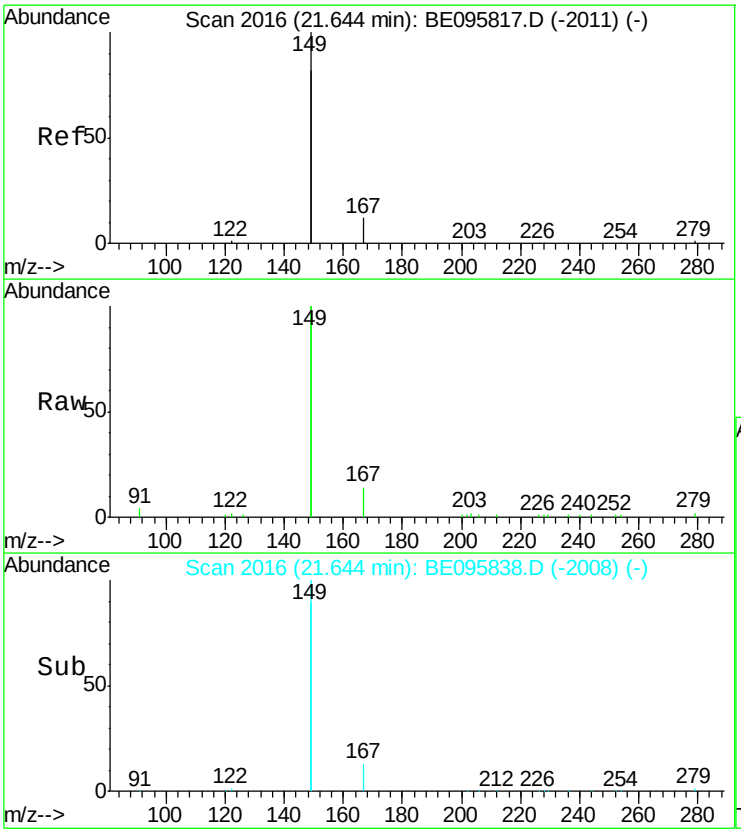
#31
Chrysene
Concen: 0.438 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:228 Resp: 9035

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.0	36.0
229	21.4	16.0	24.0

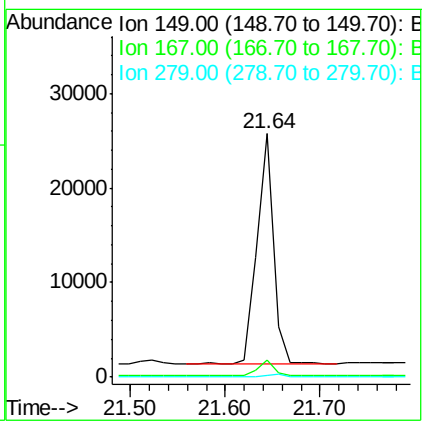


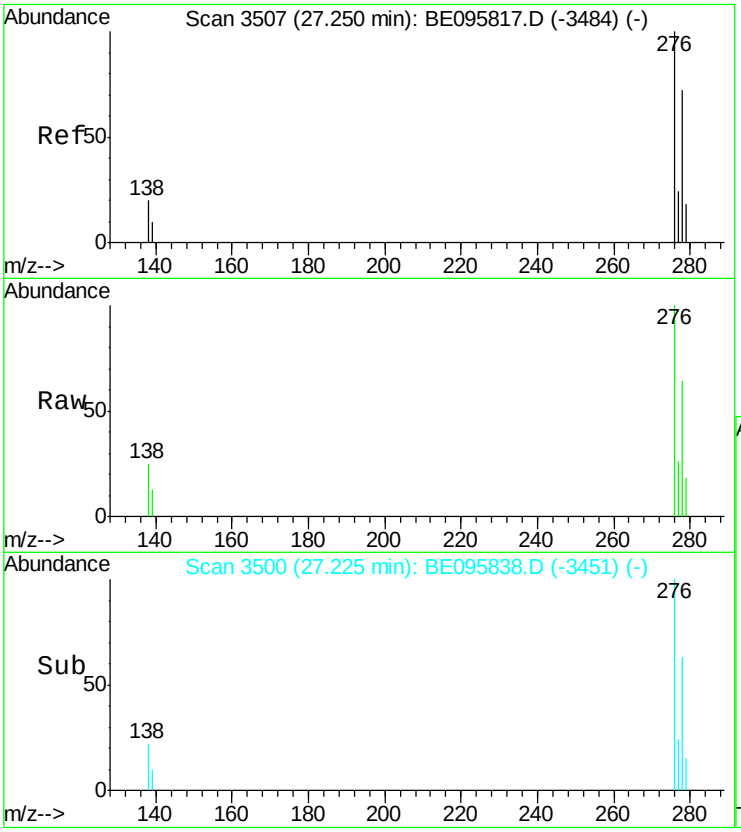


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.426 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:149 Resp: 29430

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	0.9	0.7	1.1



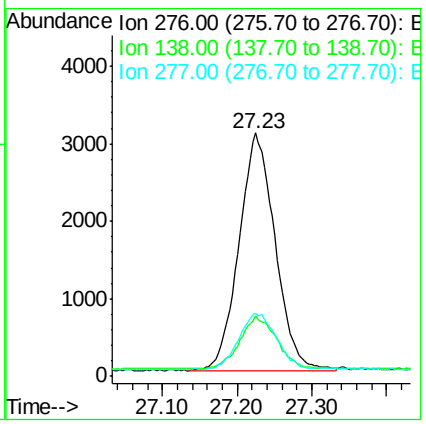


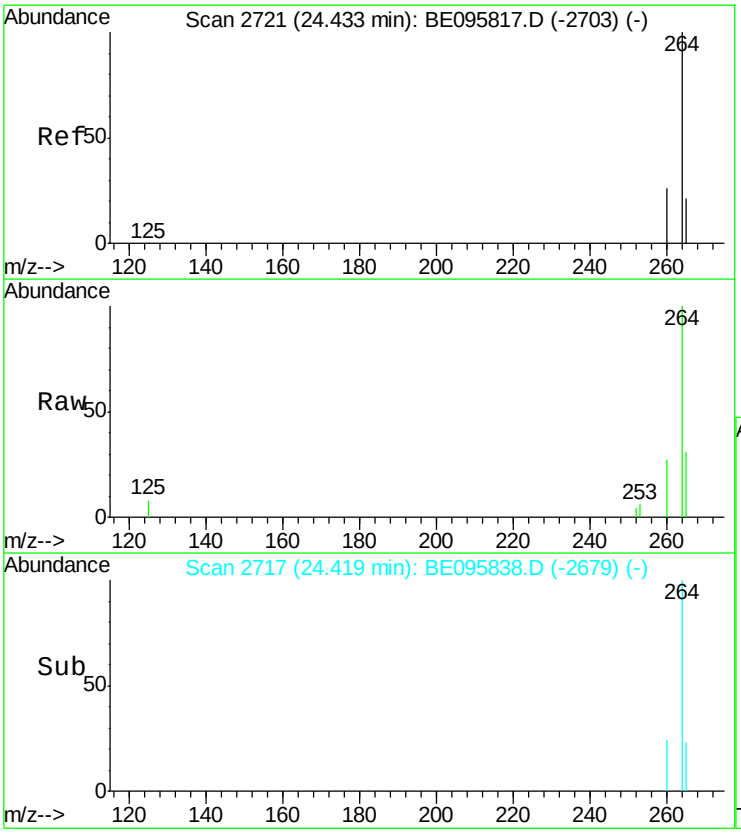
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.463 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.03 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:276 Resp: 10281

Ion	Ratio	Lower	Upper
276	100		
138	22.0	22.5	33.7#
277	24.0	19.9	29.9

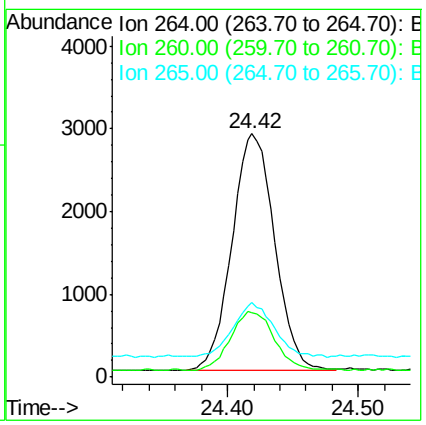


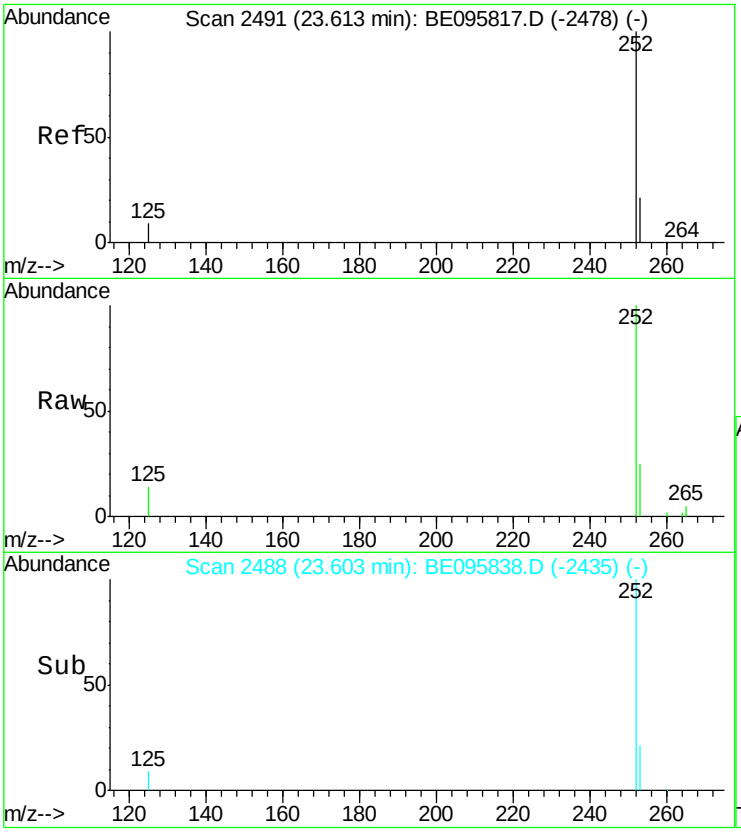


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:264 Resp: 6457

Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	30.9	22.8	34.2



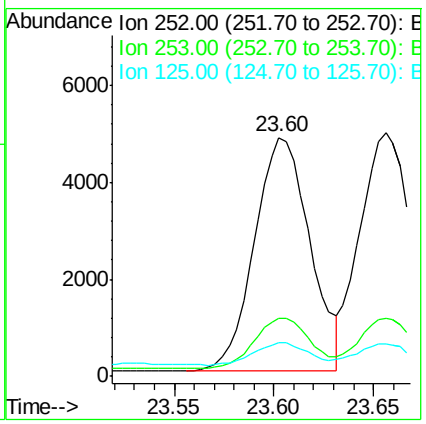


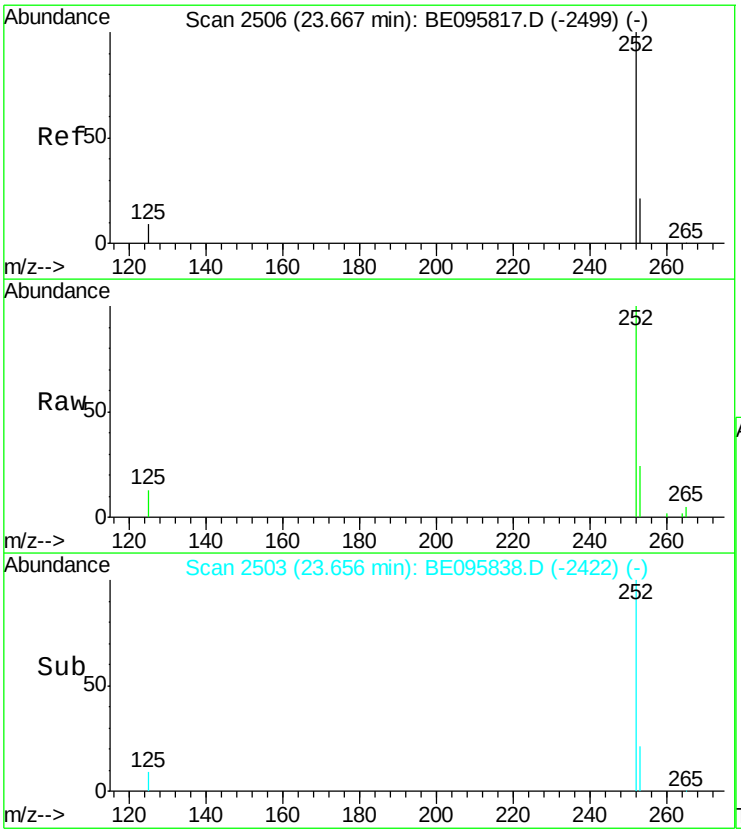
#35
Benzo(b)fluoranthene
Concen: 0.436 ng
RT: 23.60 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:252 Resp: 9314

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.0	30.0
125	13.9	16.0	24.0#

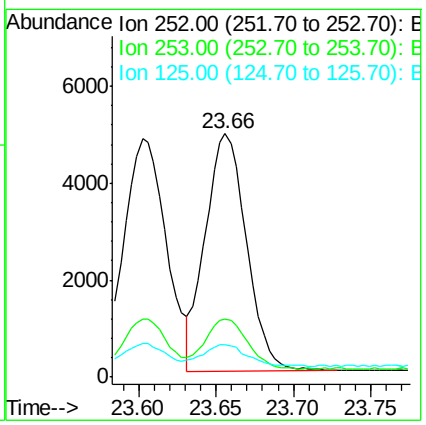


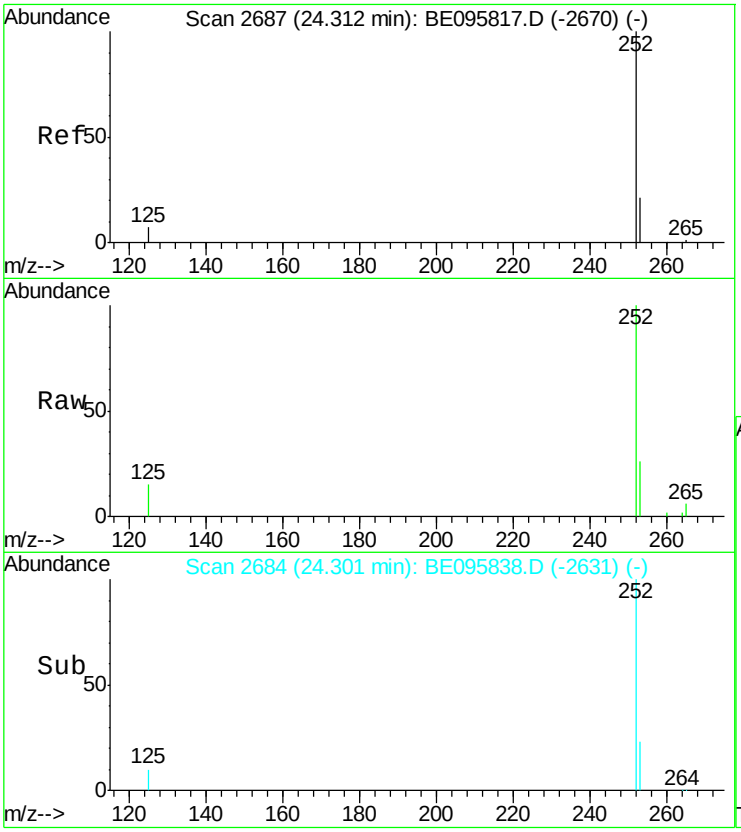


#36
Benzo(k)fluoranthene
Concen: 0.424 ng
RT: 23.66 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:252 Resp: 9058

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	13.2	8.0	12.0#



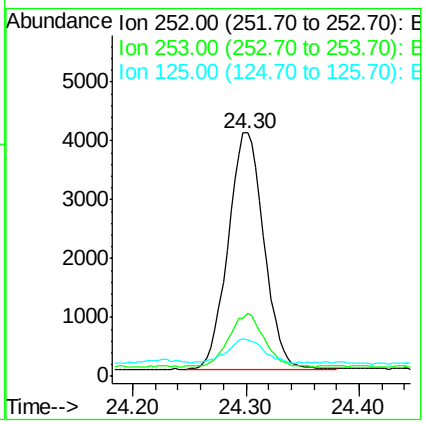


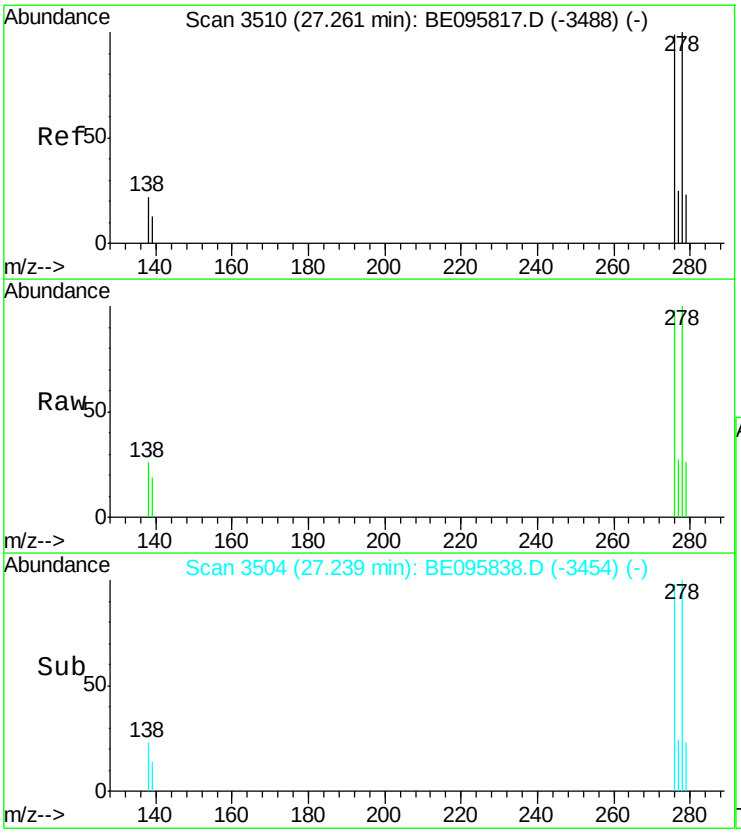
#37
Benzo(a)pyrene
Concen: 0.440 ng
RT: 24.30 min Scan# 2684
Delta R.T. -0.01 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:252 Resp: 8803

Ion	Ratio	Lower	Upper
252	100		
253	26.0	16.0	24.0#
125	15.2	12.0	18.0

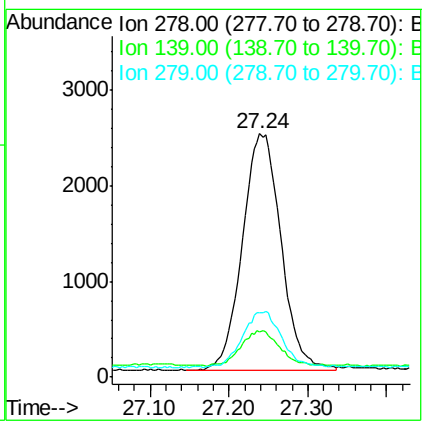


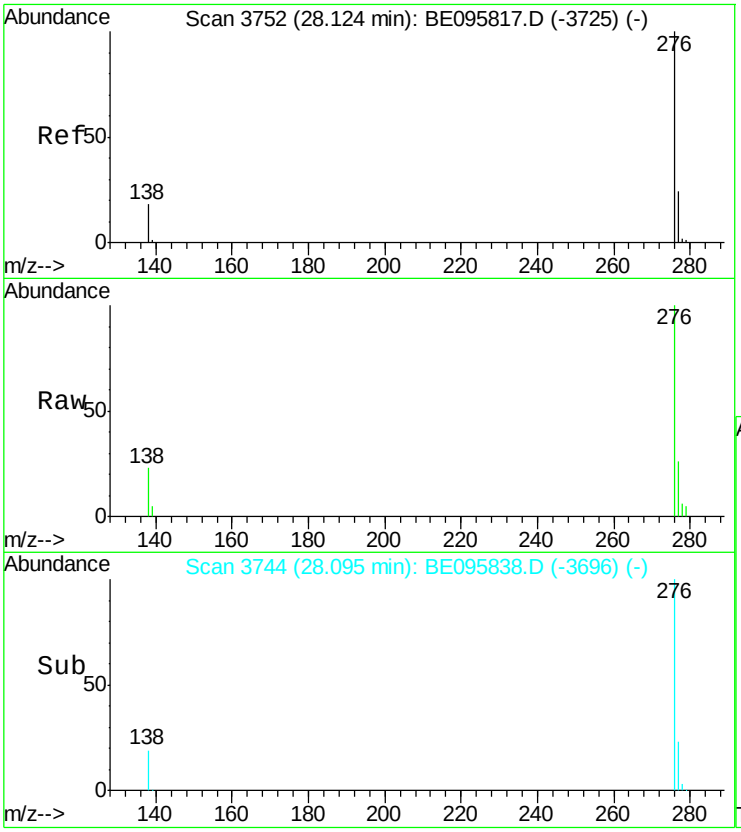


#38
Dibenzo(a,h)anthracene
Concen: 0.443 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Tgt Ion:278 Resp: 8418

Ion	Ratio	Lower	Upper
278	100		
139	18.7	16.0	24.0
279	26.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.451 ng
RT: 28.10 min Scan# 3744
Delta R.T. -0.03 min
Lab File: BE095838.D
Acq: 26 Mar 2018 13:51

Instrument :
BNA_E
ClientSampleId :
PR-MW-03-031918MS

Tgt Ion:276 Resp: 8612

Ion	Ratio	Lower	Upper
276	100		
277	25.9	16.0	24.0#
138	22.9	20.0	30.0