Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE040218\
Data File : BE095926.D
Acq On : 2 Apr 2018 14:22
Operator : SJ/JU
Sample : J2116-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SY-3D-20180327MS

Quant Time: Apr 03 03:49:59 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	1262	0.40	ng		0.00
7) Naphthalene-d8	11.26	136	5112	0.40	ng		0.00
13) Acenaphthene-d10	14.99	164	2898	0.40	ng		-0.01
19) Phenanthrene-d10	17.70	188	6417	0.40	ng		-0.01
27) Chrysene-d12	21.79	240	7150	0.40	ng		-0.01
34) Perylene-d12	24.42	264	7146	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	777	0.19	ng		0.00
5) Phenol-d6	7.56	99	669	0.12	ng		0.00
8) Nitrobenzene-d5	9.59	82	2487	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	12.79	152	3395	0.40	ng		-0.01
14) 2,4,6-Tribromophenol	16.46	330	761	0.46	ng		-0.01
15) 2-Fluorobiphenyl	13.63	172	5560	0.46	ng		-0.01
25) Fluoranthene-d10	19.68	212	37329	0.39	ng		0.00
29) Terphenyl-d14	20.24	244	11669	0.77	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.63	88	1027	0.497	ng	#	84
3) n-Nitrosodimethylamine	3.99	42	387	0.128	ng	#	75
6) bis(2-Chloroethyl)ether	7.81	93	1819	0.369	ng		96
9) Naphthalene	11.30	128	22060	0.378	ng		99
10) Hexachlorobutadiene	11.55	225	1346	0.336	ng		94
12) 2-Methylnaphthalene	12.86	142	3858	0.387	ng		97
16) Acenaphthylene	14.73	152	5939	0.358	ng		99
17) Acenaphthene	15.06	154	3561	0.352	ng		94
18) Fluorene	16.02	166	4796	0.361	ng	#	79
20) 4-Bromophenyl-phenylether	16.89	248	1493	0.387	ng	#	83
21) Hexachlorobenzene	17.02	284	1471	0.382	ng	#	82
22) Pentachlorophenol	17.36	266	1279	1.010	ng	#	72
23) Phenanthrene	17.74	178	7833	0.408	ng		99
24) Anthracene	17.84	178	7842	0.408	ng	#	95
26) Fluoranthene	19.71	202	10001	0.375	ng	#	97
28) Pyrene	20.06	202	13968	0.480	ng		99
30) Benzo(a)anthracene	21.78	228	9765	0.394	ng		97
31) Chrysene	21.84	228	9307	0.411	ng		98
32) Bis(2-ethylhexyl)phthalate	21.64	149	31216	0.412	ng		100
33) Indeno(1,2,3-cd)pyrene	27.23	276	10240	0.420	ng		95
35) Benzo(b)fluoranthene	23.61	252	9233	0.391	ng	#	94
36) Benzo(k)fluoranthene	23.66	252	9266	0.392	ng	#	92
37) Benzo(a)pyrene	24.30	252	8889	0.401	ng	#	94
38) Dibenzo(a,h)anthracene	27.24	278	8398	0.399	ng		97
39) Benzo(g,h,i)perylene	28.10	276	8628	0.408	ng	#	89

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

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE040218\
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Operator : SJ/JU
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Instrument :
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Quant Time: Apr 03 03:49:59 2018
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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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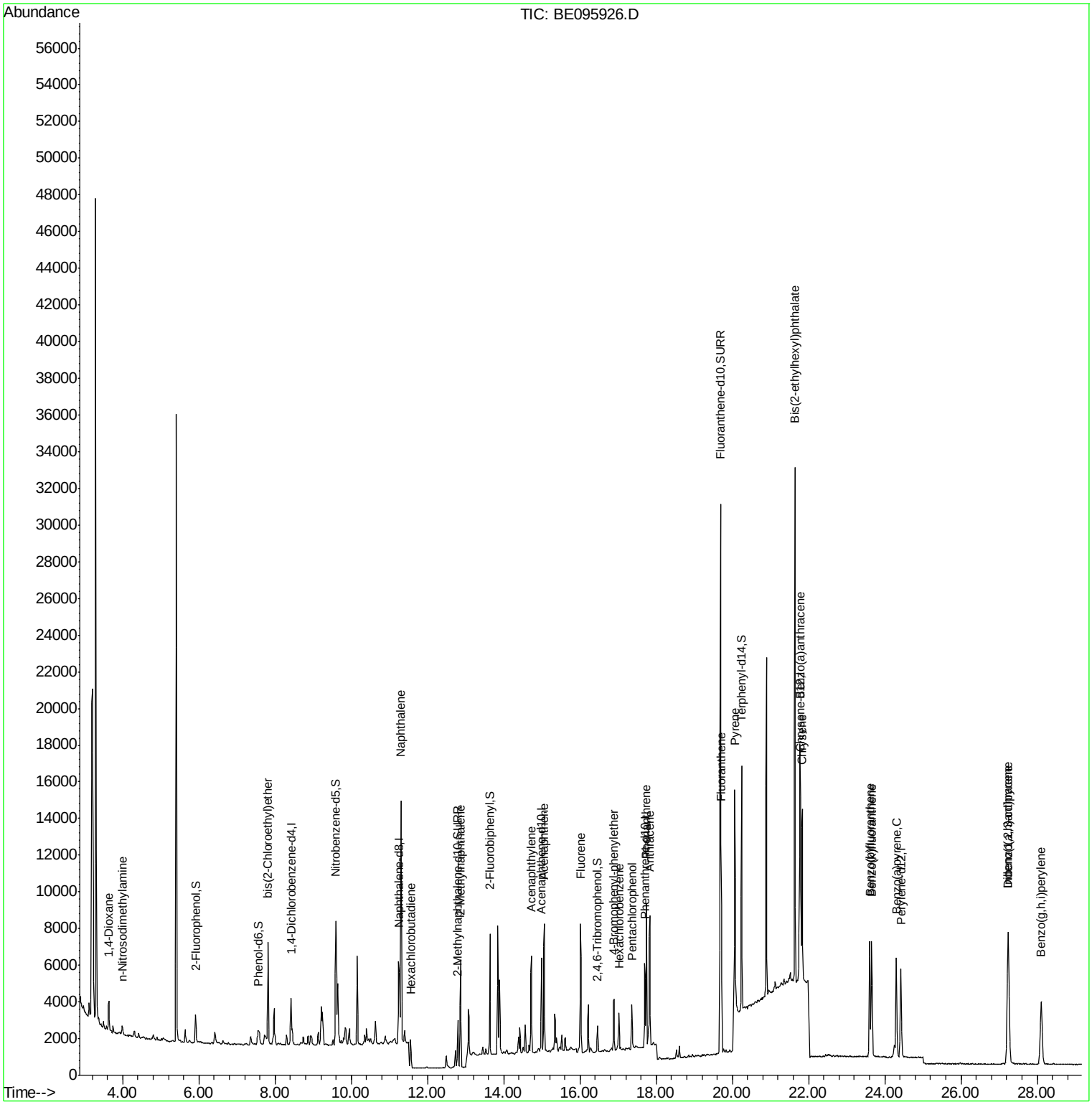
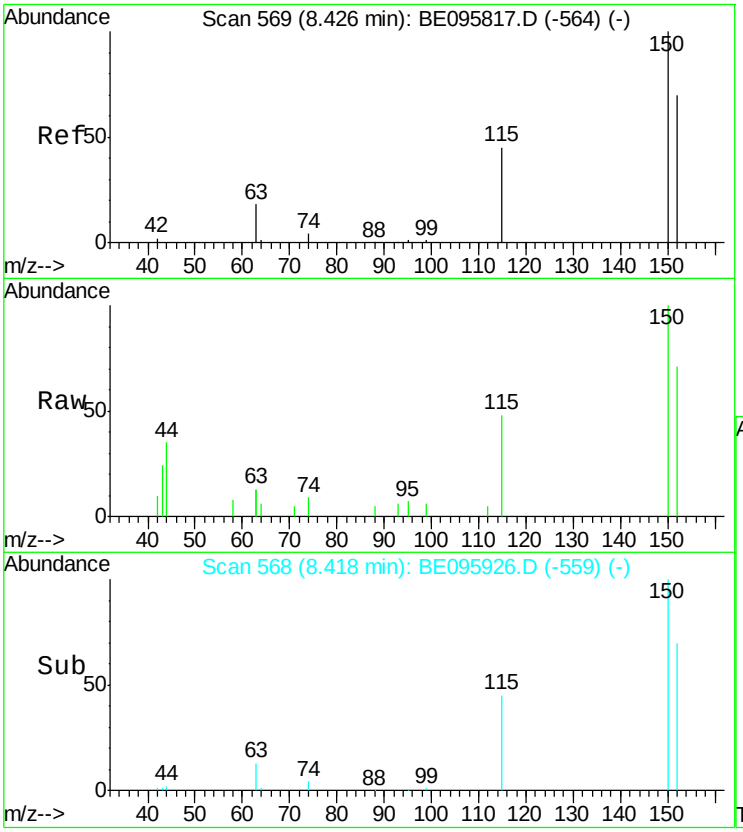


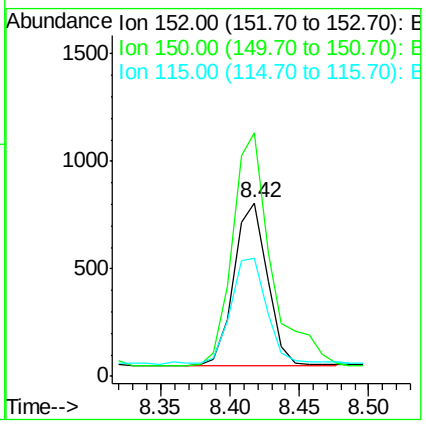


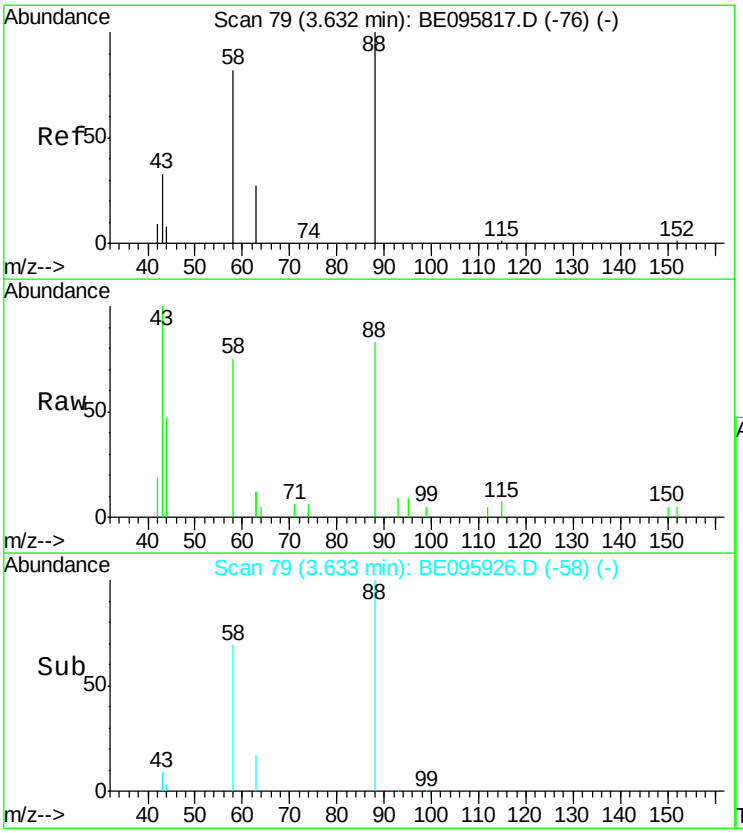
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:152 Resp: 1262

Ion	Ratio	Lower	Upper
152	100		
150	140.3	117.2	175.8
115	67.8	57.0	85.6

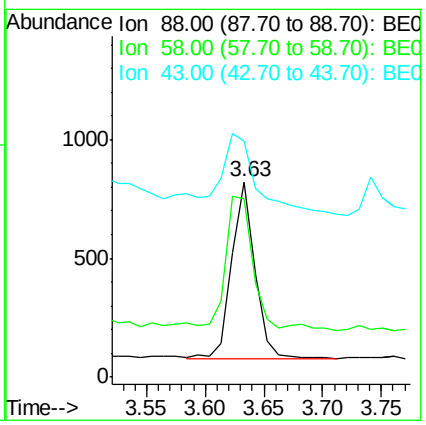


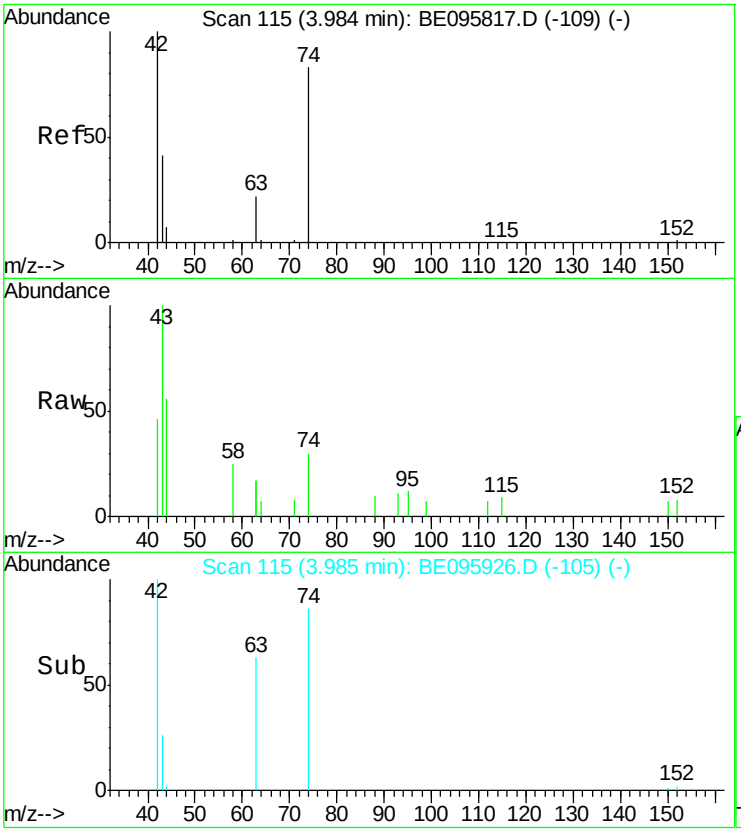


#2
1,4-Dioxane
Concen: 0.497 ng
RT: 3.63 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion: 88 Resp: 1027

Ion	Ratio	Lower	Upper
88	100		
58	85.0	63.2	94.8
43	72.7	41.2	61.8#



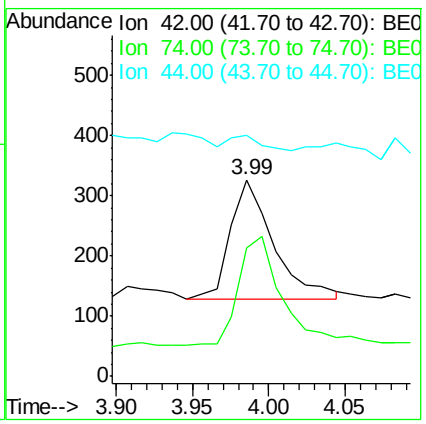


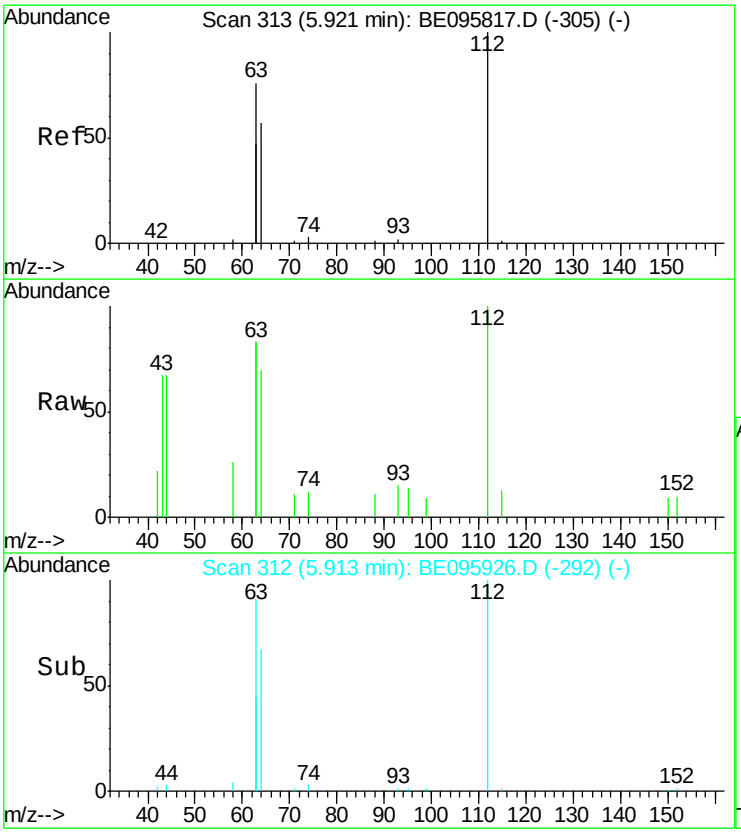
#3
n-Nitrosodimethylamine
Concen: 0.128 ng
RT: 3.99 min Scan# 115
Delta R.T. 0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion: 42 Resp: 387

Ion	Ratio	Lower	Upper
42	100		
74	91.0	96.0	144.0#
44	9.8	12.0	18.0#

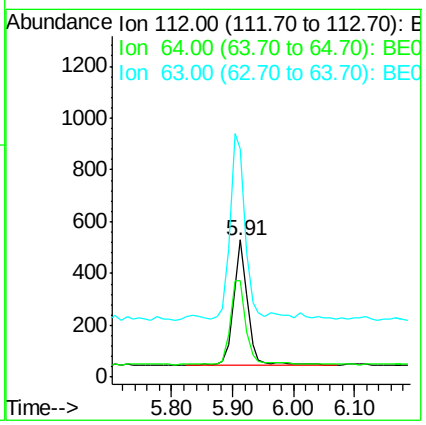


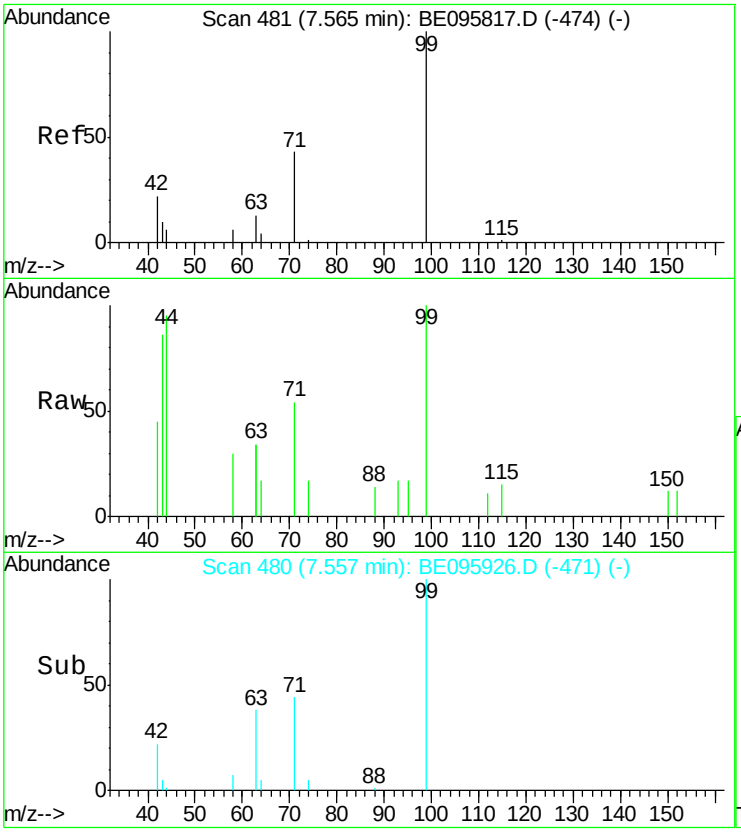


#4
2-Fluorophenol
Concen: 0.187 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:112 Resp: 777

Ion	Ratio	Lower	Upper
112	100		
64	74.8	60.1	90.1
63	153.5	116.8	175.2



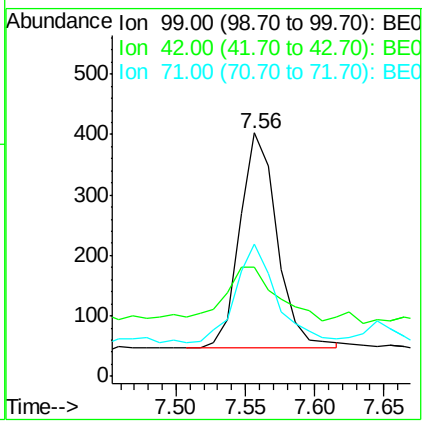


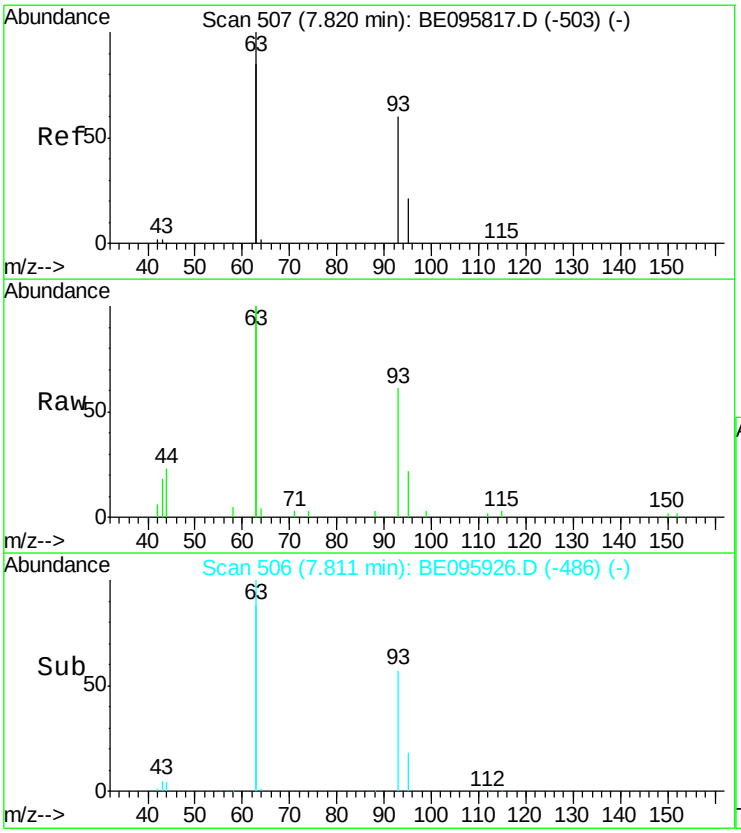
#5
Phenol-d6
Concen: 0.117 ng
RT: 7.56 min Scan# 480
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion: 99 Resp: 669

Ion	Ratio	Lower	Upper
99	100		
42	35.6	20.2	30.2#
71	51.0	28.4	42.6#

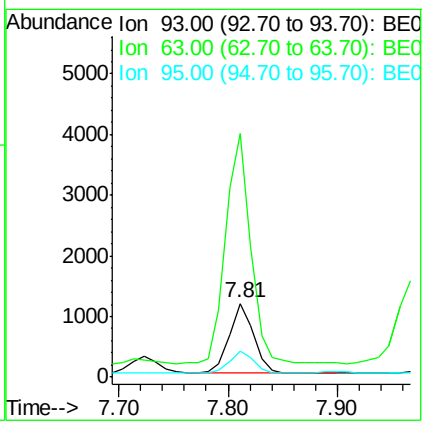


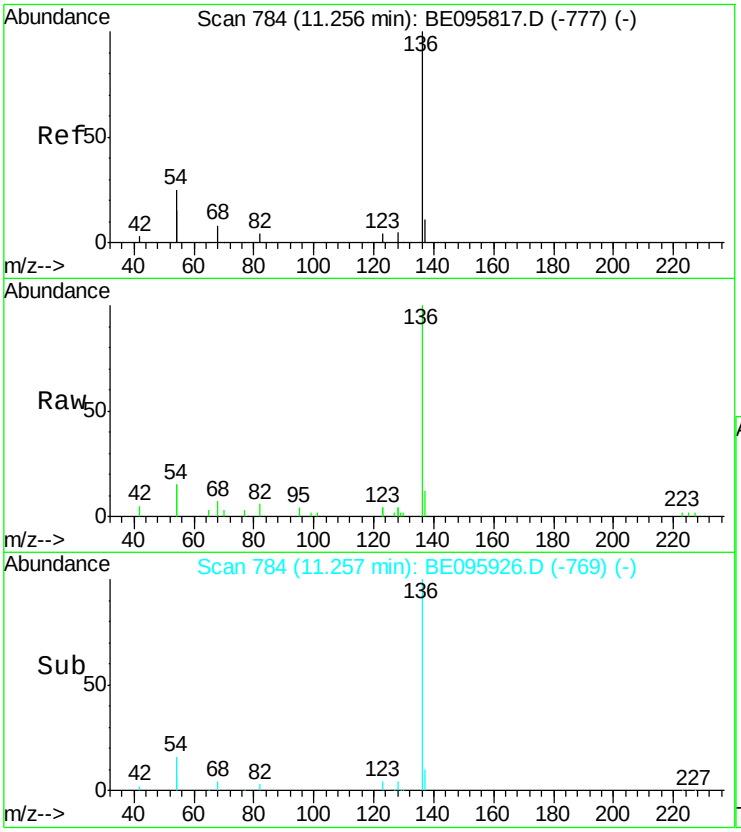


#6
bis(2-Chloroethyl)ether
Concen: 0.369 ng
RT: 7.81 min Scan# 506
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion: 93 Resp: 1819

Ion	Ratio	Lower	Upper
93	100		
63	334.5	275.3	412.9
95	32.1	25.2	37.8



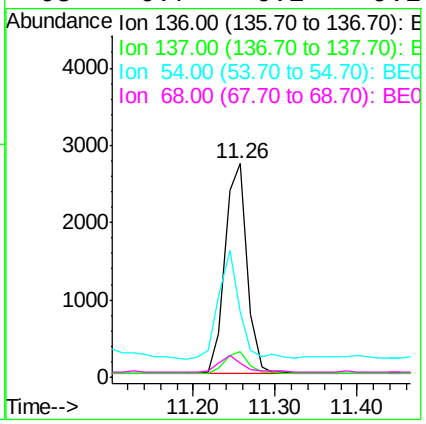


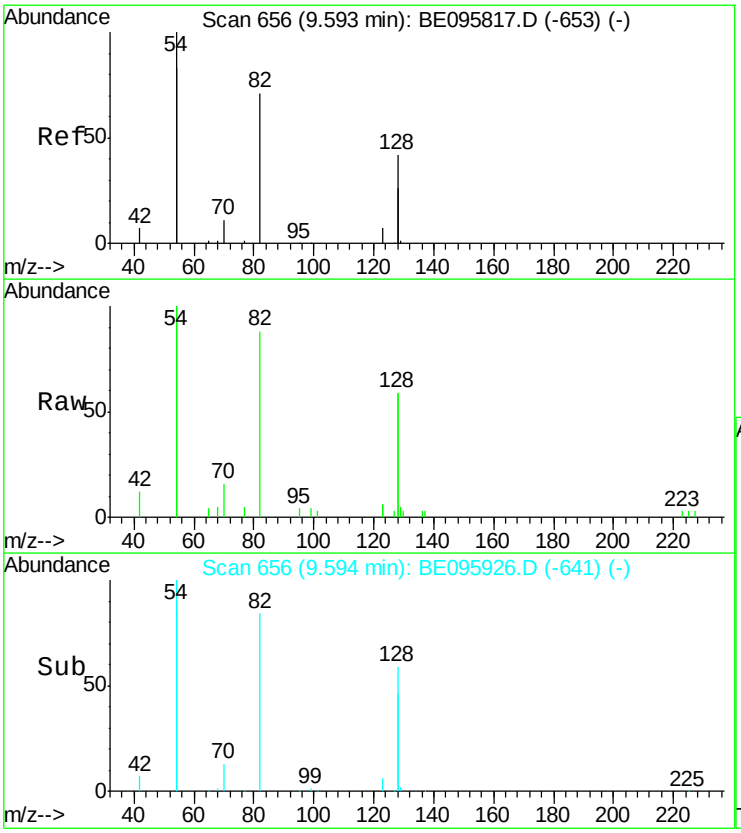
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. 0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:136 Resp: 5112

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	30.5	29.1	43.7
68	6.7	6.2	9.2

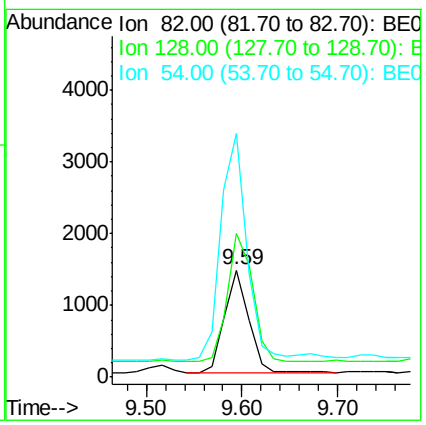


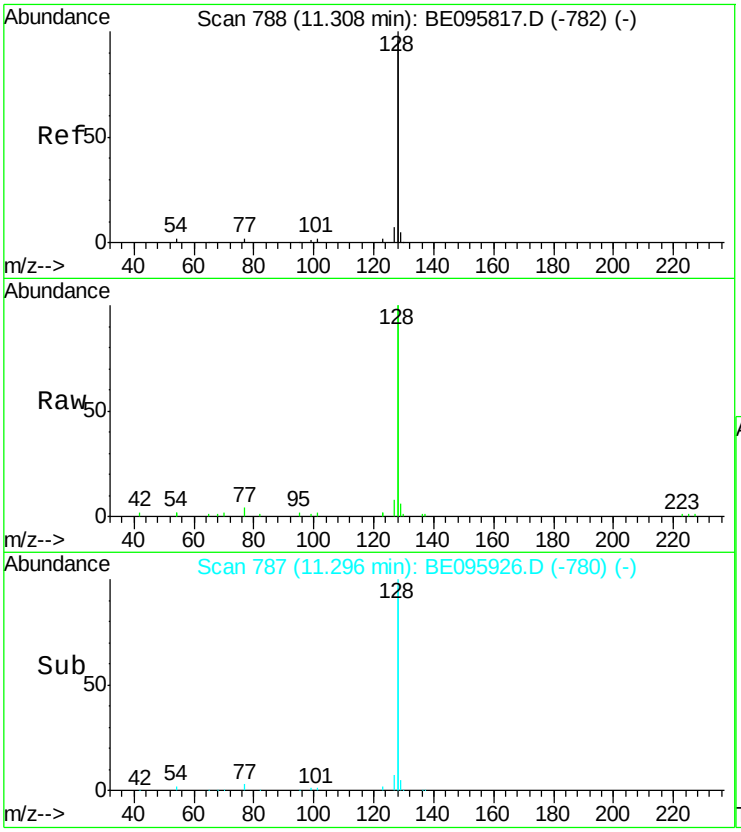


#8
Nitrobenzene-d5
Concen: 0.412 ng
RT: 9.59 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion: 82 Resp: 2487

Ion	Ratio	Lower	Upper
82	100		
128	135.2	150.0	225.0#
54	227.9	154.2	231.4



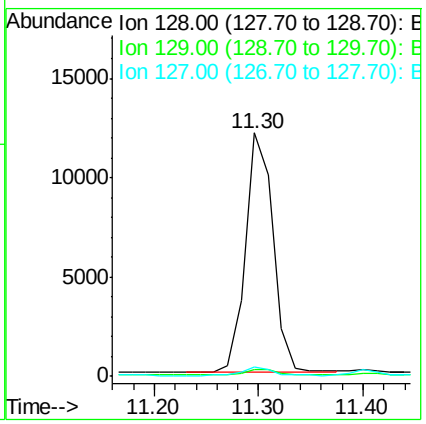


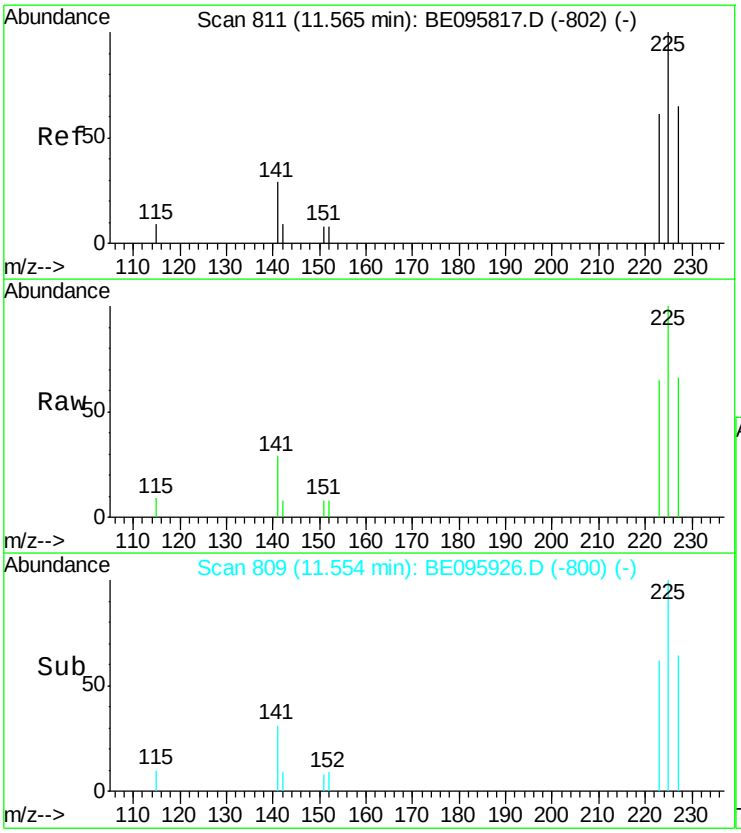
#9
Naphthalene
Concen: 0.378 ng
RT: 11.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:128 Resp: 22060

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.8	2.8	4.2

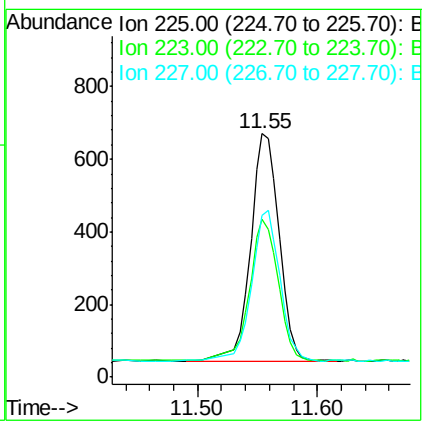


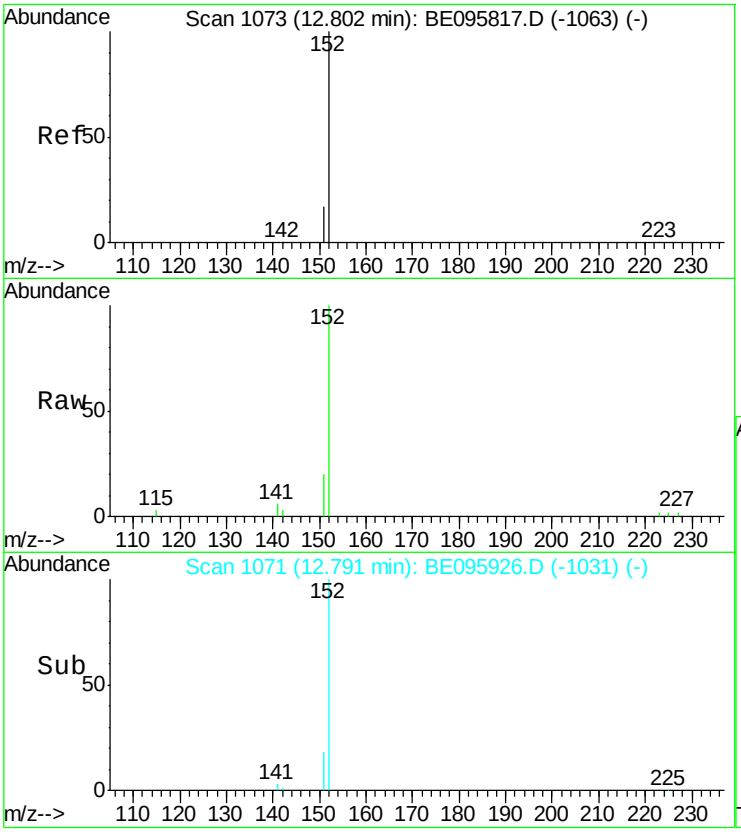


#10
Hexachlorobutadiene
Concen: 0.336 ng
RT: 11.55 min Scan# 809
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:225 Resp: 1346

Ion	Ratio	Lower	Upper
225	100		
223	59.5	53.0	79.6
227	66.9	51.4	77.2



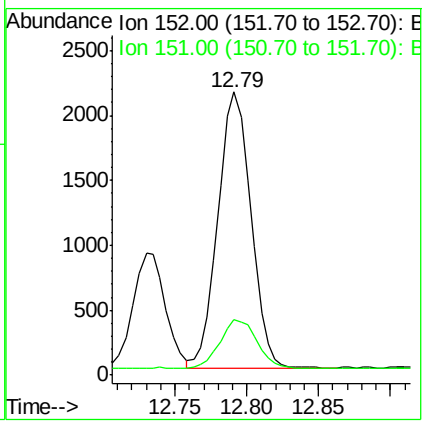


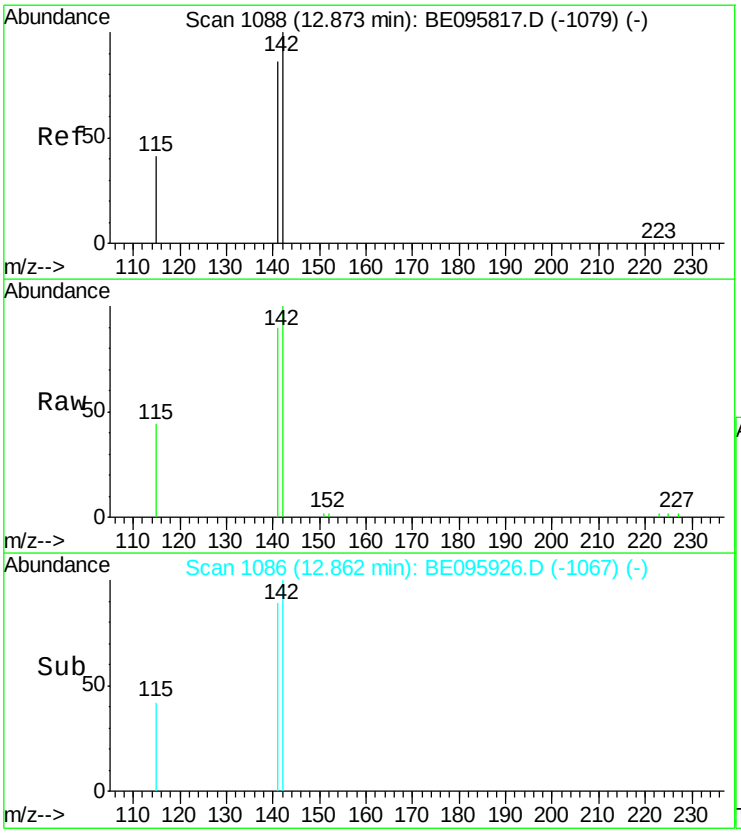
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:152 Resp: 3395

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.0

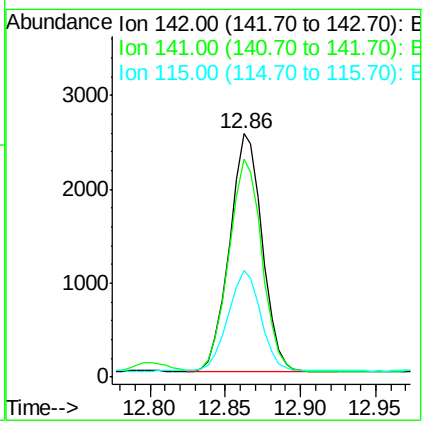


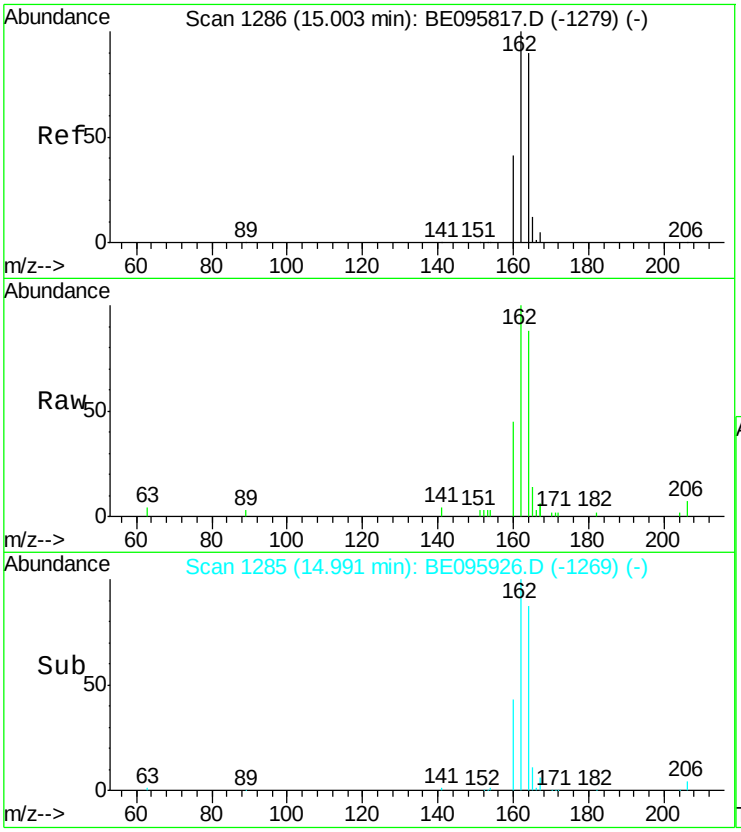


#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:142 Resp: 3858

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6
115	43.8	31.7	47.5



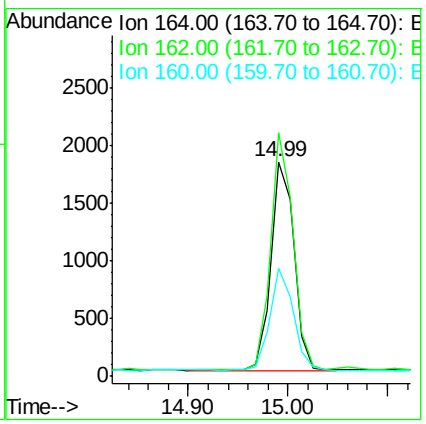


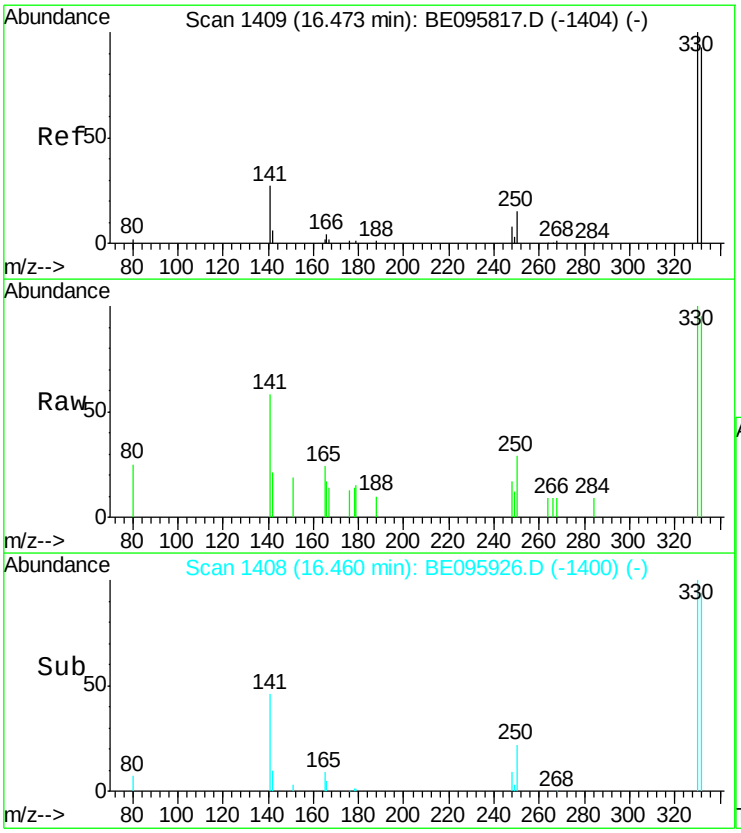
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:164 Resp: 2898

Ion	Ratio	Lower	Upper
164	100		
162	113.4	83.1	124.7
160	50.6	37.1	55.7

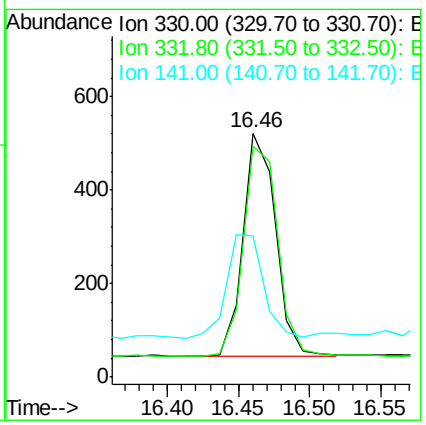


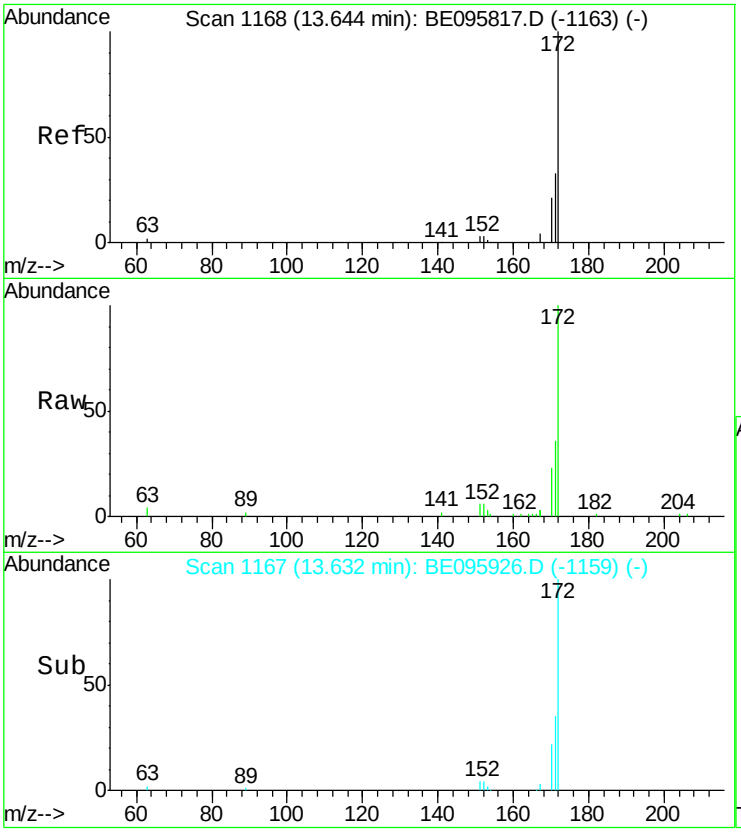


#14
2,4,6-Tribromophenol
Concen: 0.455 ng
RT: 16.46 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:330 Resp: 761

Ion	Ratio	Lower	Upper
330	100		
332	99.5	152.7	229.1#
141	52.8	33.7	50.5#



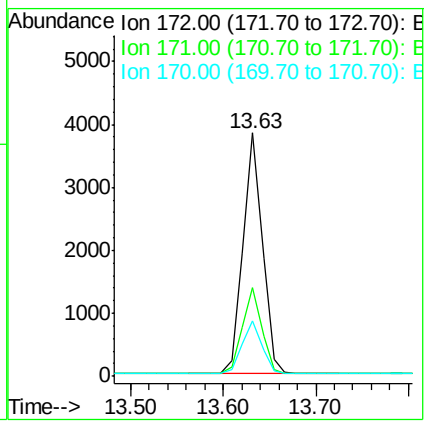


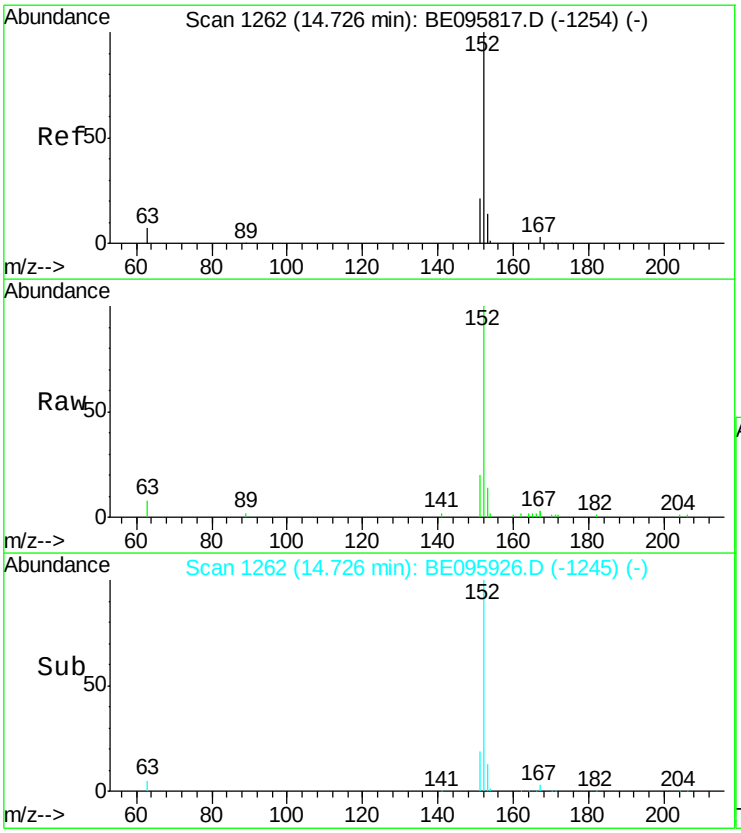
#15
2-Fluorobiphenyl
Concen: 0.455 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:172 Resp: 5560

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	22.8	21.8	32.8

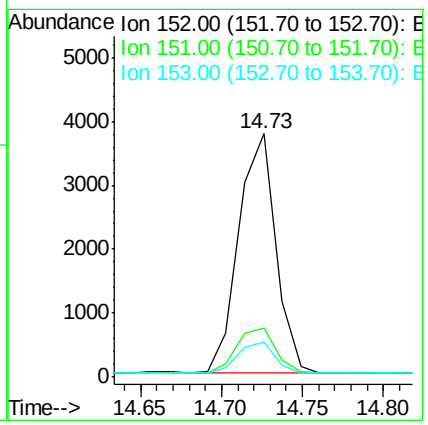


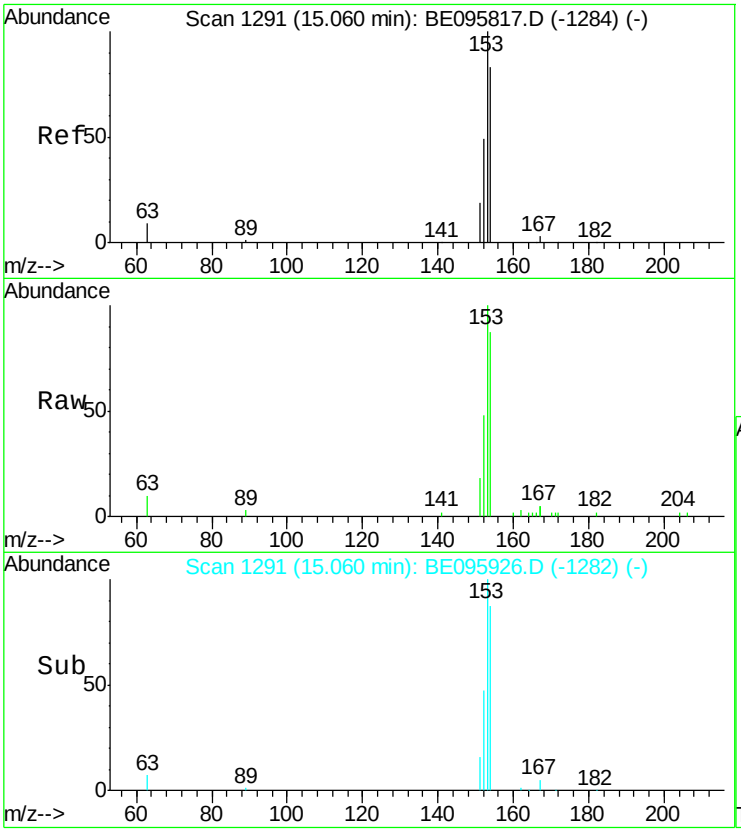


#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:152 Resp: 5939

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.2	10.5	15.7



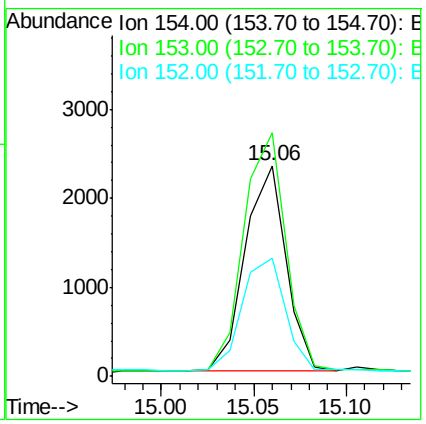


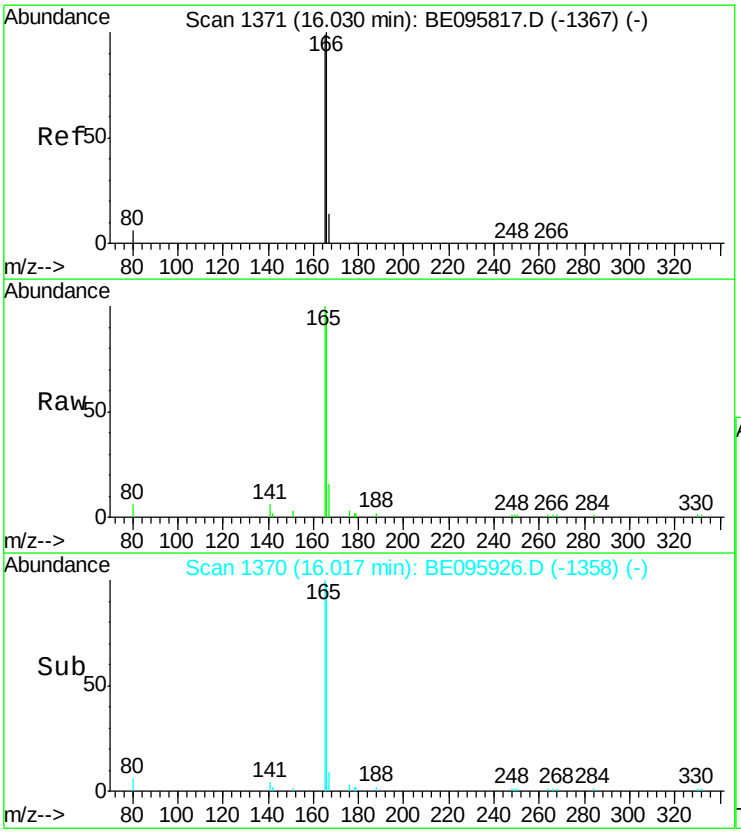
#17
Acenaphthene
Concen: 0.352 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:154 Resp: 3561

Ion	Ratio	Lower	Upper
154	100		
153	117.8	89.2	133.8
152	57.8	42.0	63.0

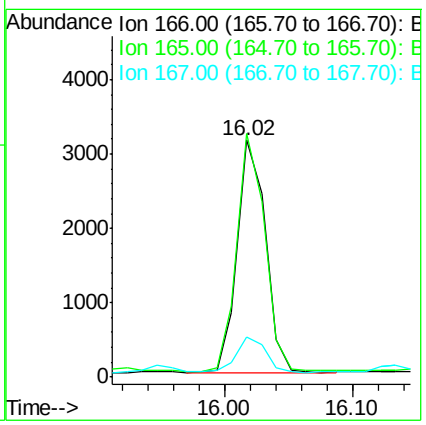


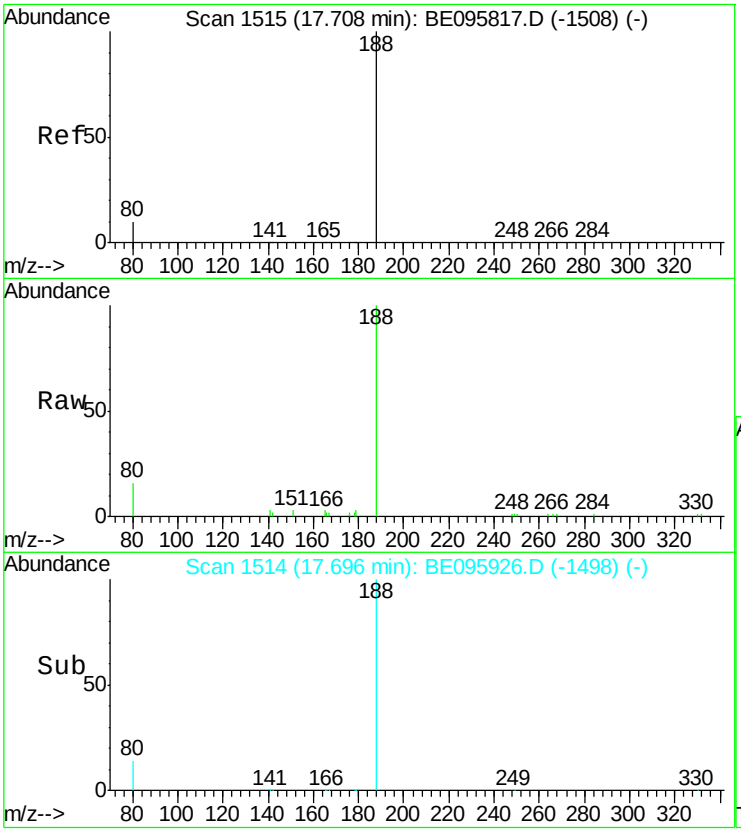


#18
Fluorene
Concen: 0.361 ng
RT: 16.02 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:166 Resp: 4796

Ion	Ratio	Lower	Upper
166	100		
165	100.8	77.8	116.6
167	15.7	42.4	63.6#



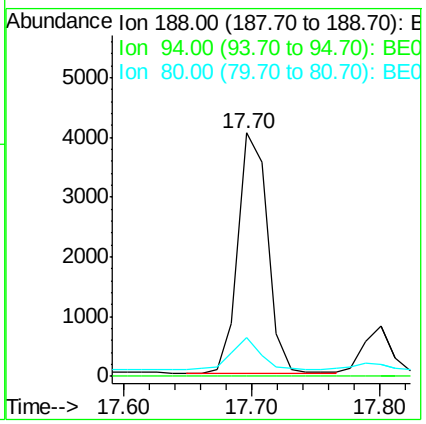


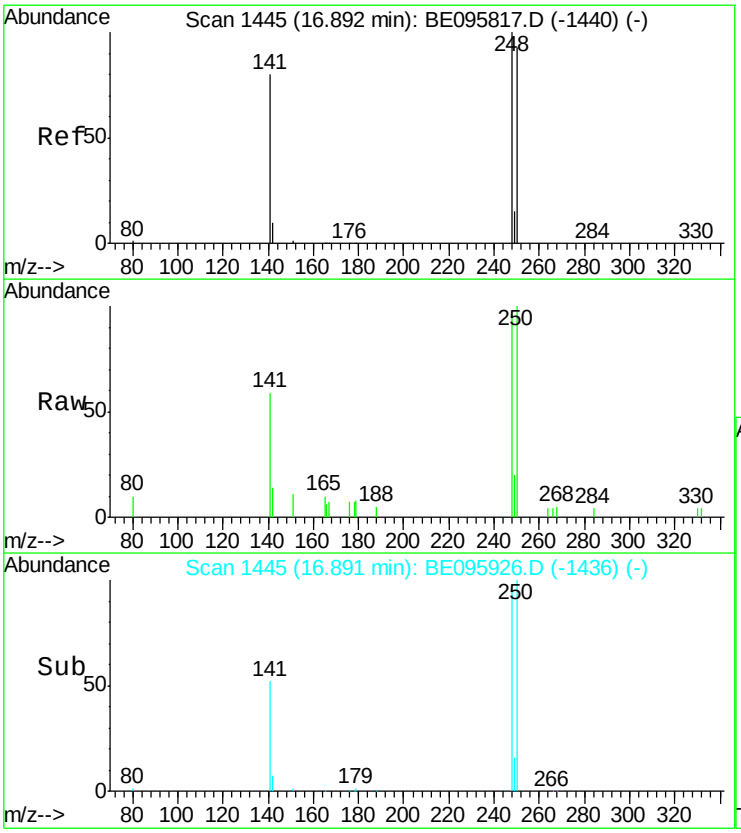
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:188 Resp: 6417

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	16.2	3.6	5.4#

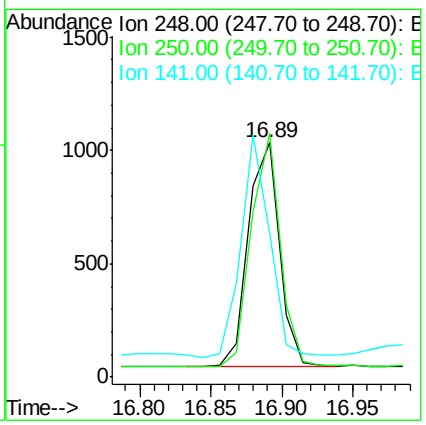


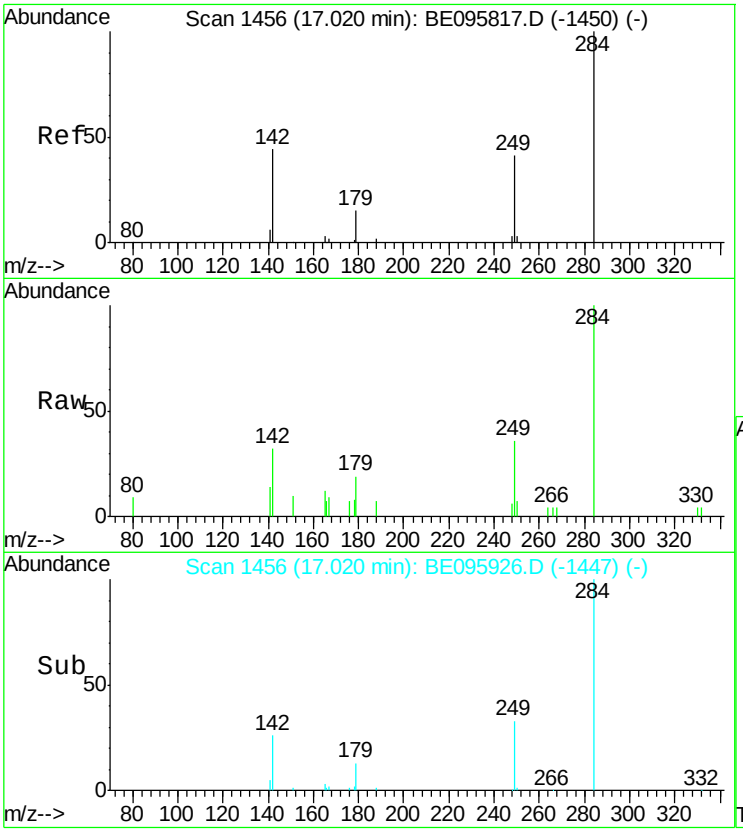


#20
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:248 Resp: 1493

Ion	Ratio	Lower	Upper
248	100		
250	104.0	62.7	94.1#
141	61.4	48.2	72.2



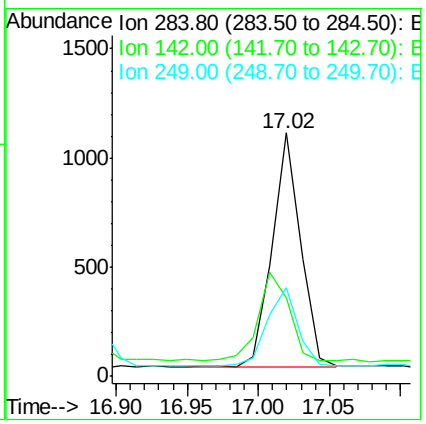


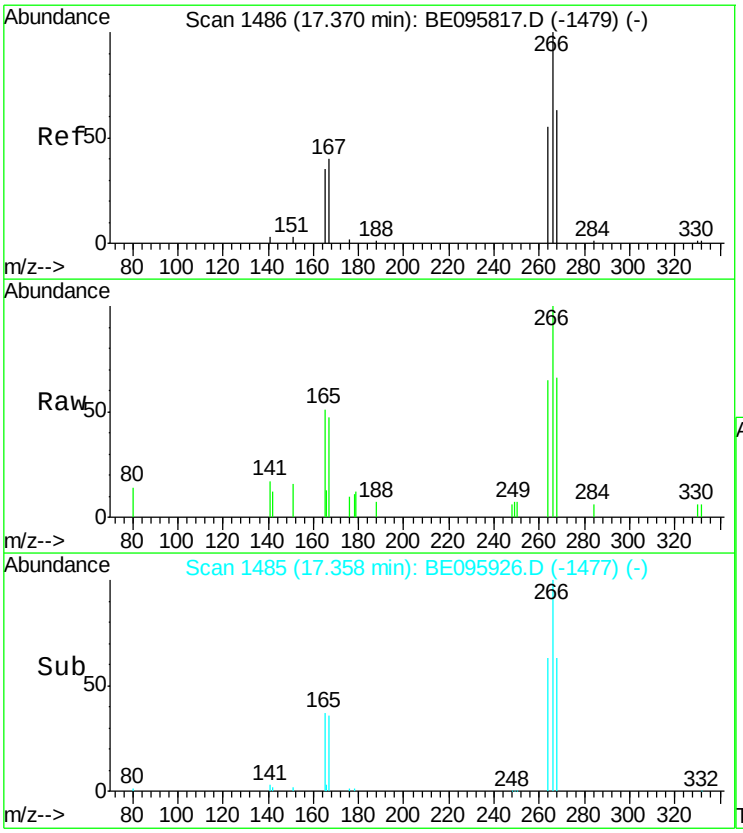
#21
Hexachlorobenzene
Concen: 0.382 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:284 Resp: 1471

Ion	Ratio	Lower	Upper
284	100		
142	41.9	22.1	33.1#
249	35.5	34.8	52.2

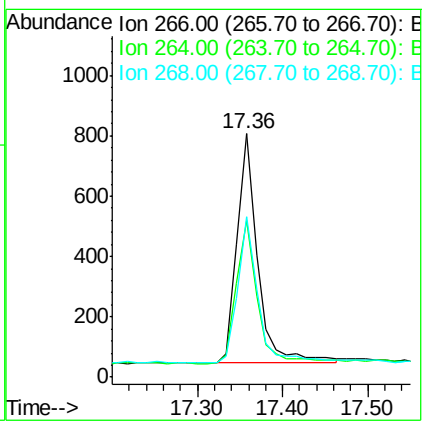


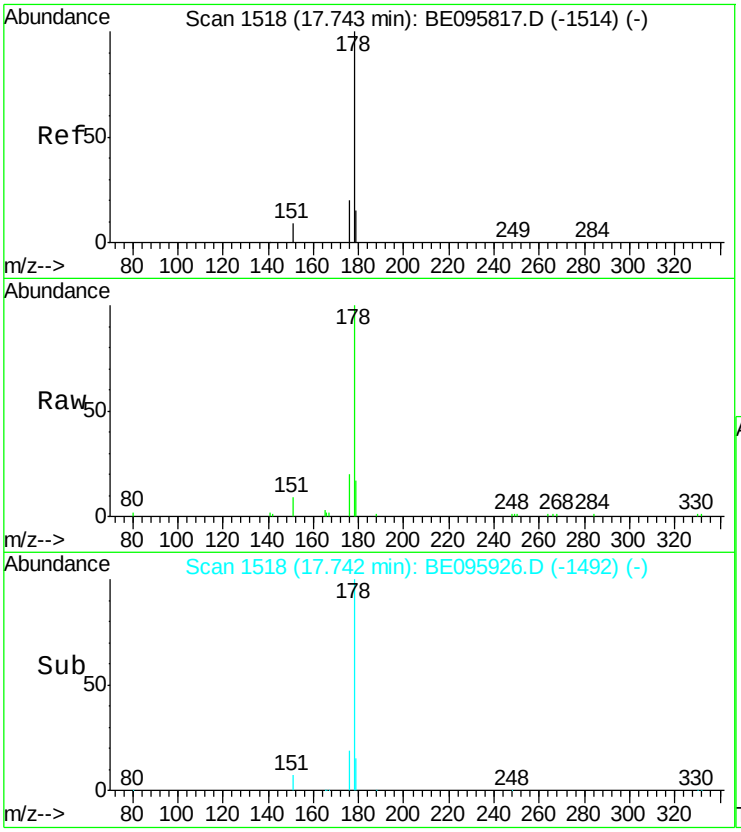


#22
Pentachlorophenol
Concen: 1.010 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:266 Resp: 1279

Ion	Ratio	Lower	Upper
266	100		
264	64.6	72.5	108.7#
268	65.7	73.8	110.6#



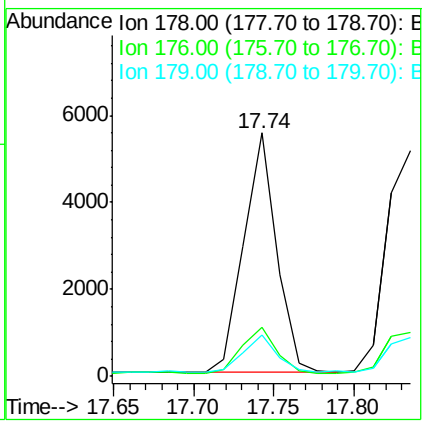


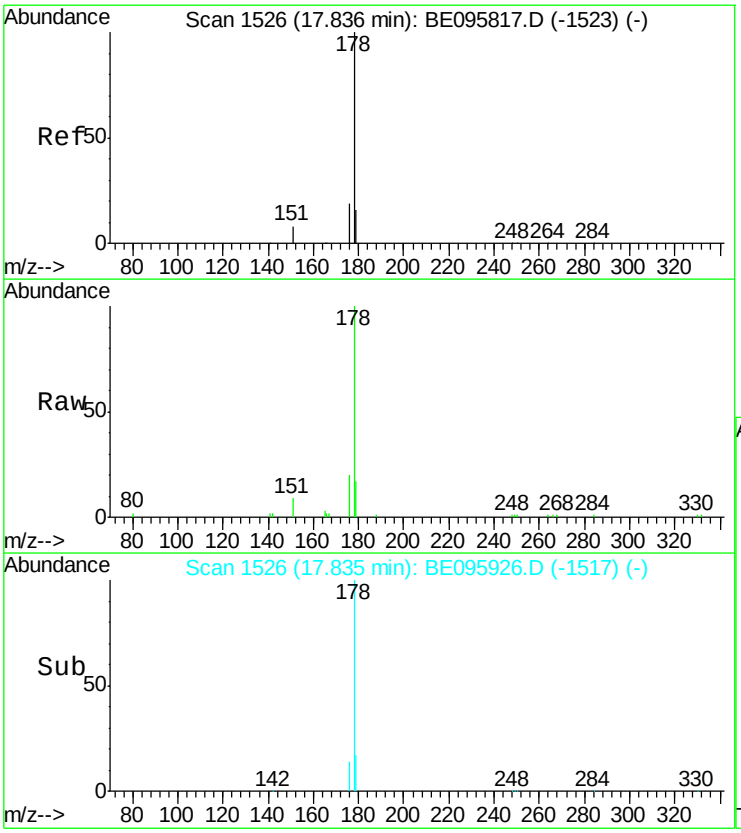
#23
Phenanthrene
Concen: 0.408 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:178 Resp: 7833

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.2	11.8	17.6

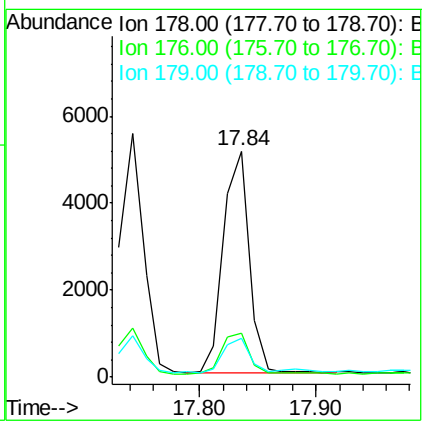


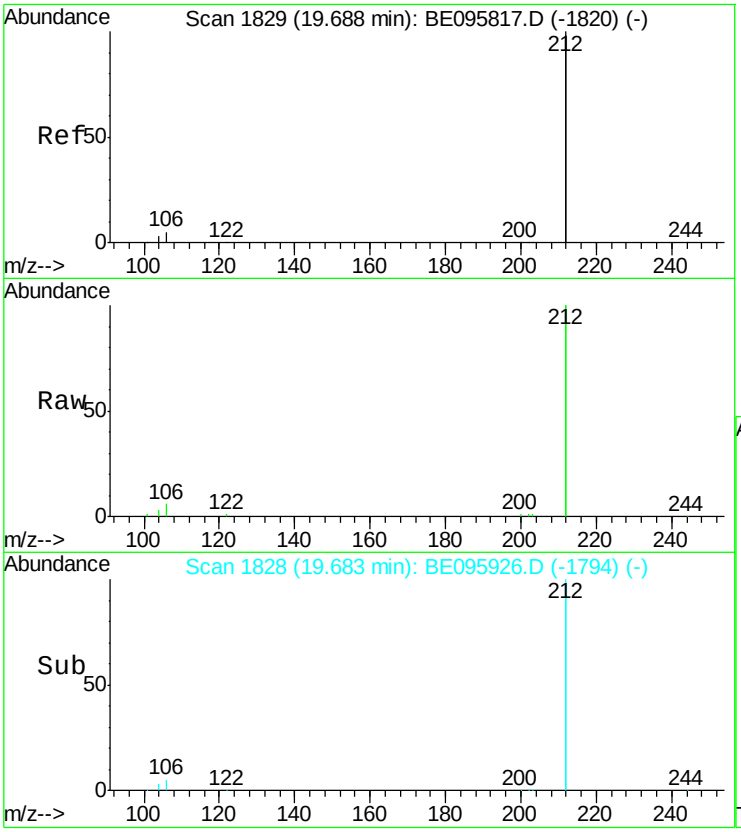


#24
Anthracene
Concen: 0.408 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:178 Resp: 7842

Ion	Ratio	Lower	Upper
178	100		
176	19.3	12.8	19.2#
179	15.7	13.0	19.6



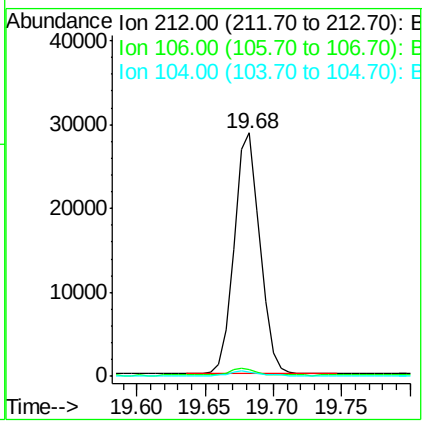


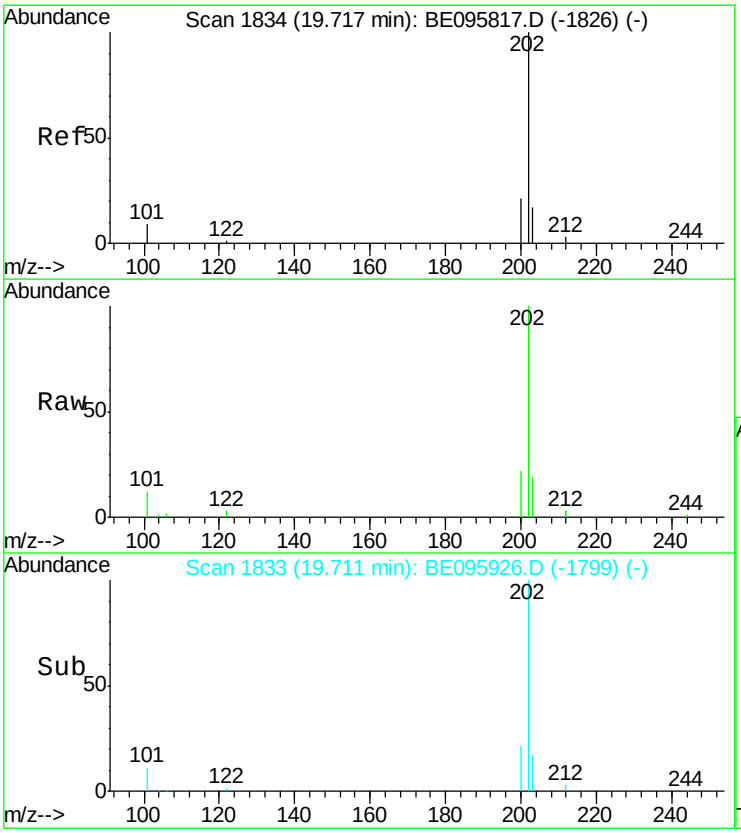
#25
Fluoranthene-d10
Concen: 0.392 ng
RT: 19.68 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:212 Resp: 37329

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.8	1.6	2.4

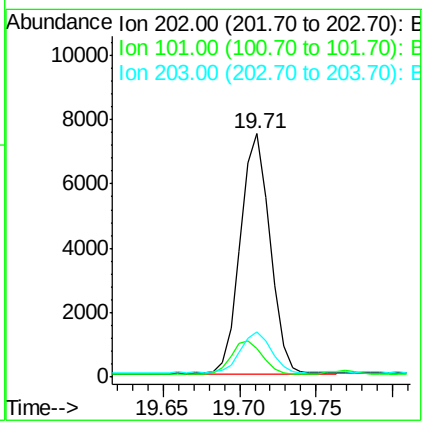


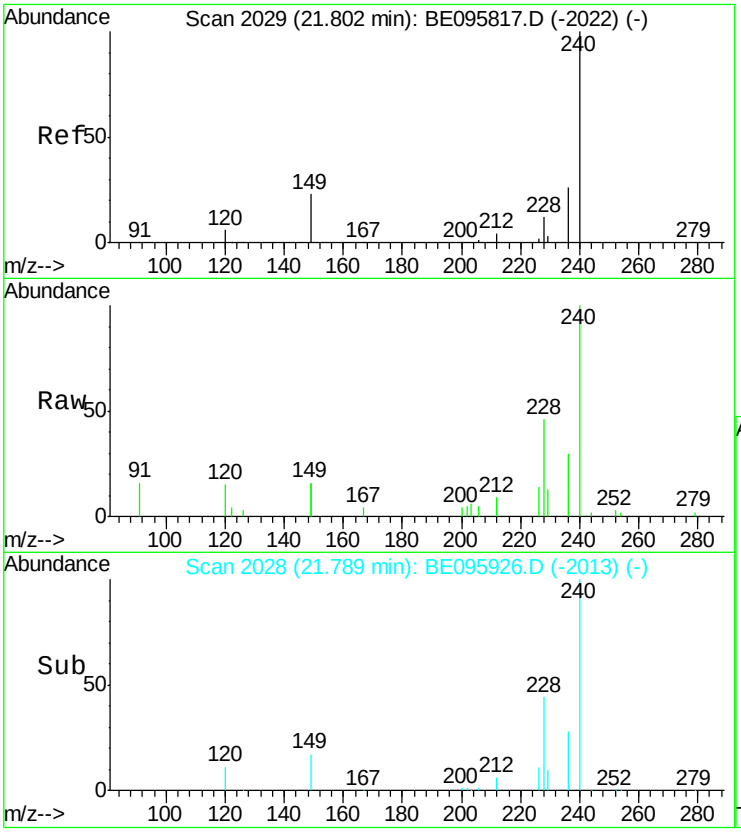


#26
Fluoranthene
Concen: 0.375 ng
RT: 19.71 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:202 Resp: 10001

Ion	Ratio	Lower	Upper
202	100		
101	15.0	9.8	14.8#
203	16.9	13.7	20.5



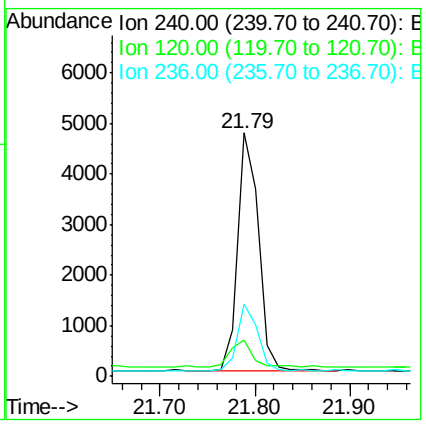


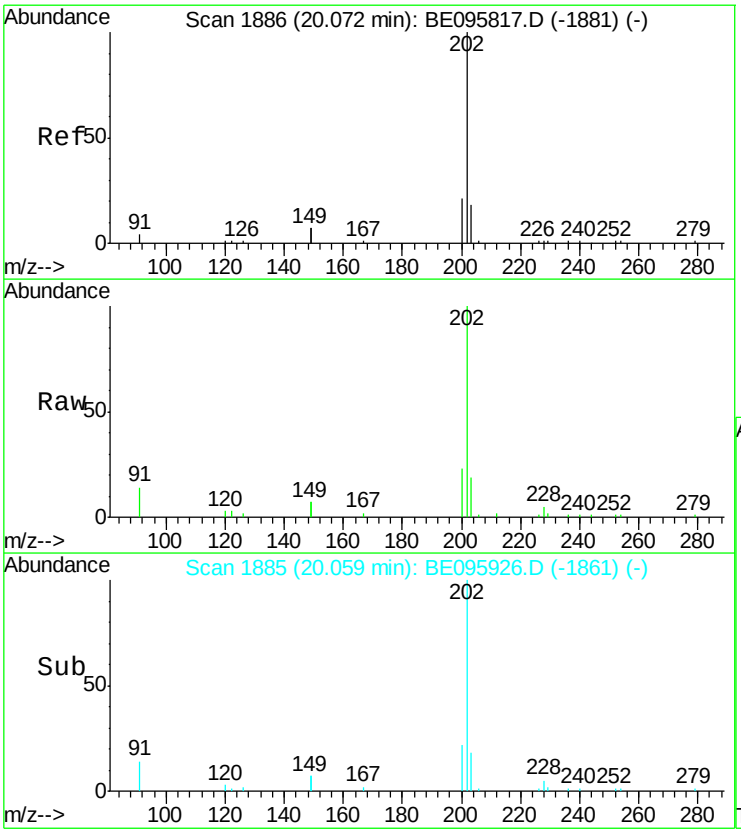
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:240 Resp: 7150

Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.5	8.3#
236	29.8	20.7	31.1

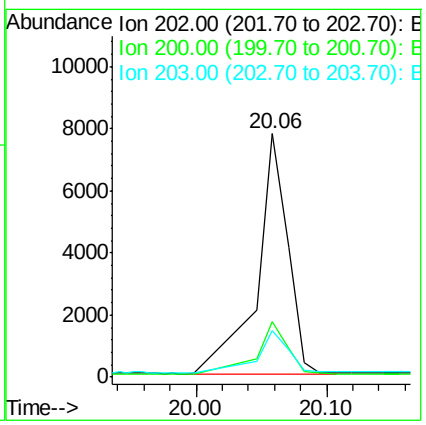


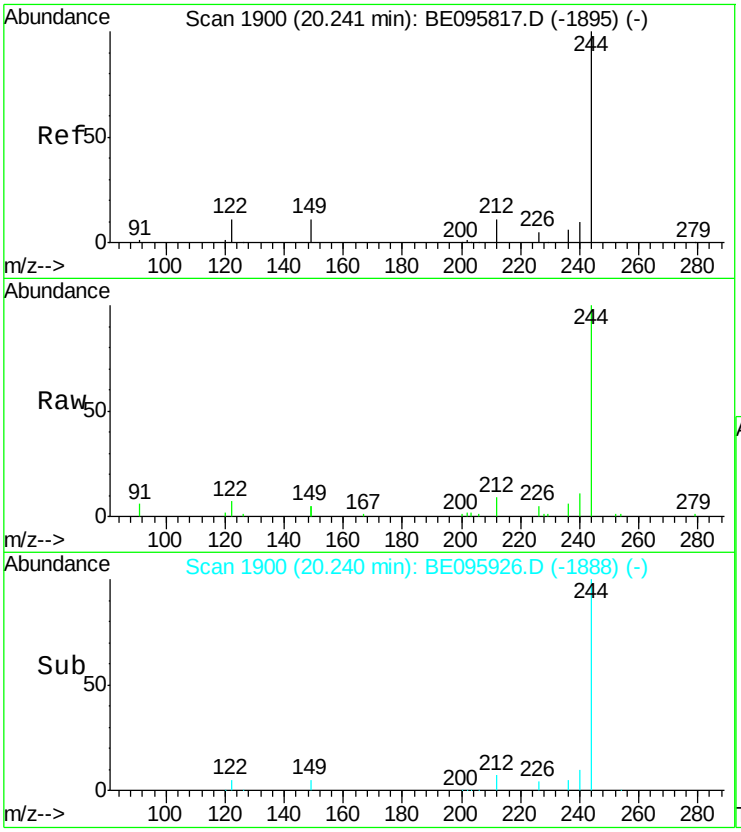


#28
Pyrene
Concen: 0.480 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:202 Resp: 13968

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	25.0
203	16.8	13.8	20.8



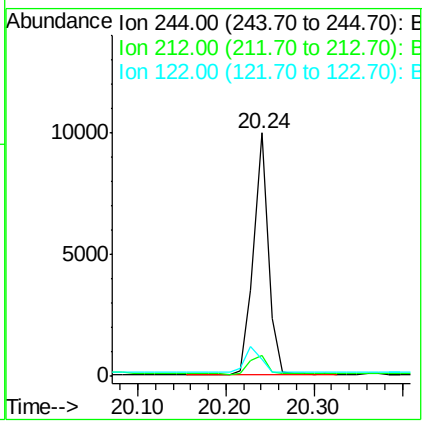


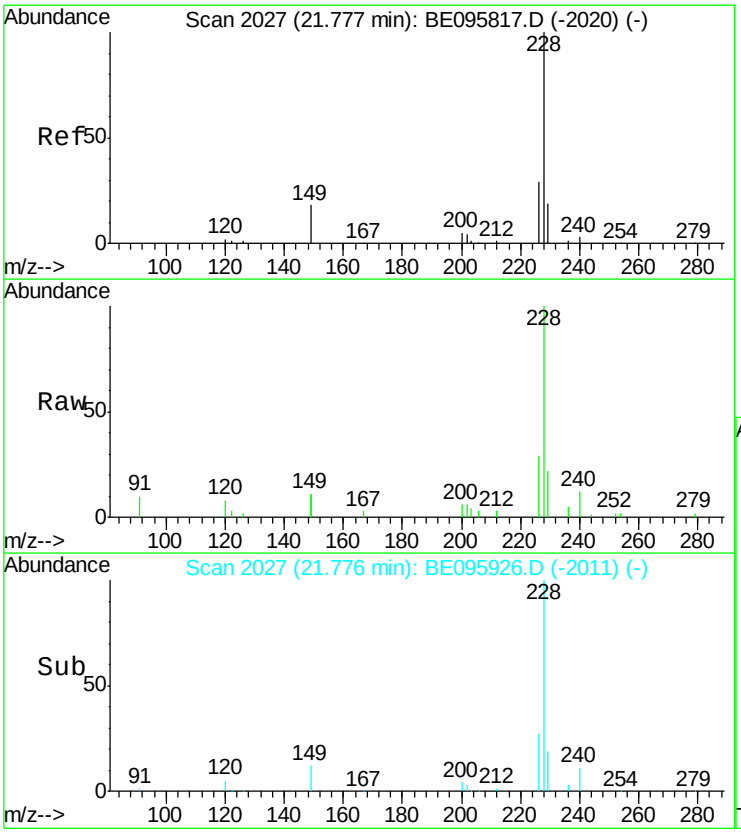
#29
Terphenyl-d14
Concen: 0.768 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:244 Resp: 11669

Ion	Ratio	Lower	Upper
244	100		
212	8.7	25.4	38.0#
122	7.0	8.1	12.1#

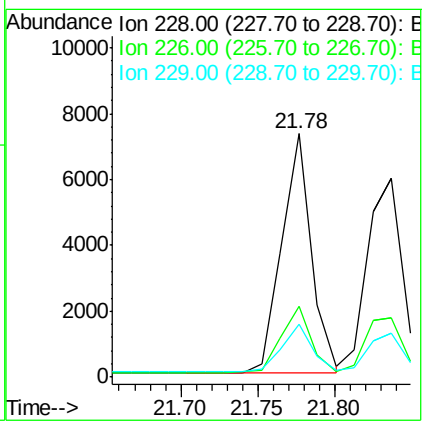


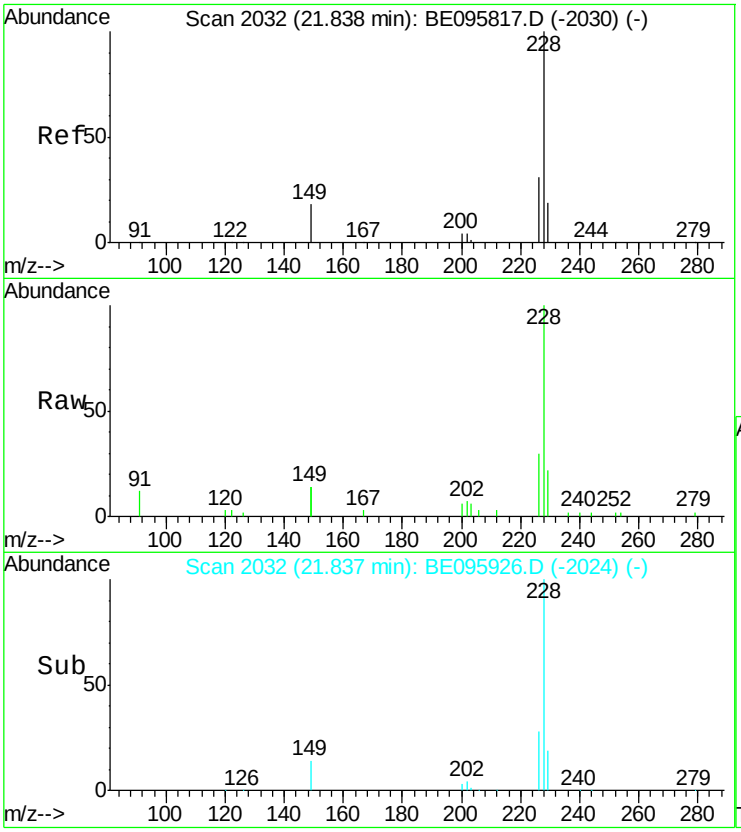


#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:228 Resp: 9765

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	21.5	16.0	24.0



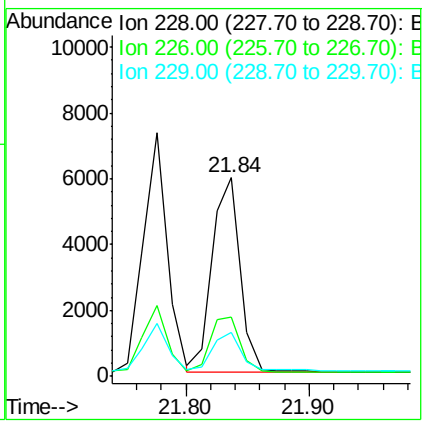


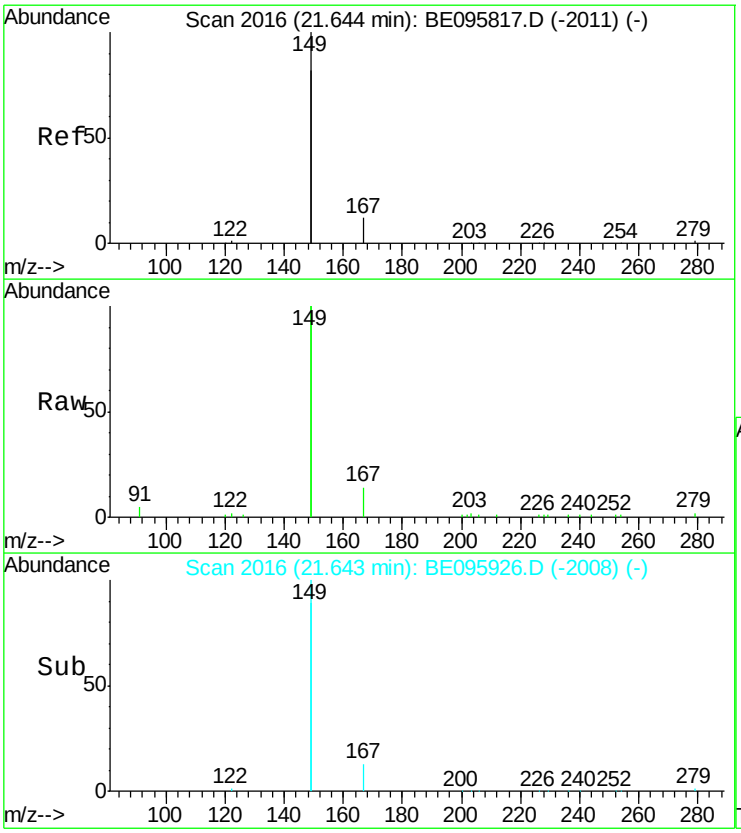
#31
Chrysene
Concen: 0.411 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:228 Resp: 9307

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	22.1	16.0	24.0

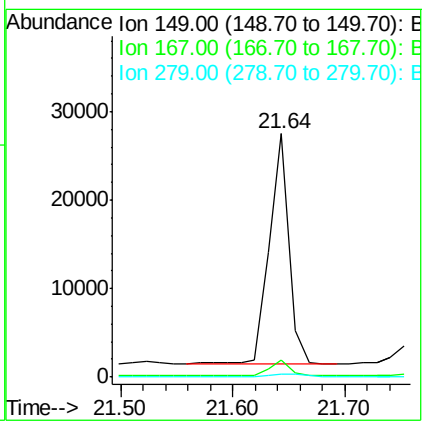


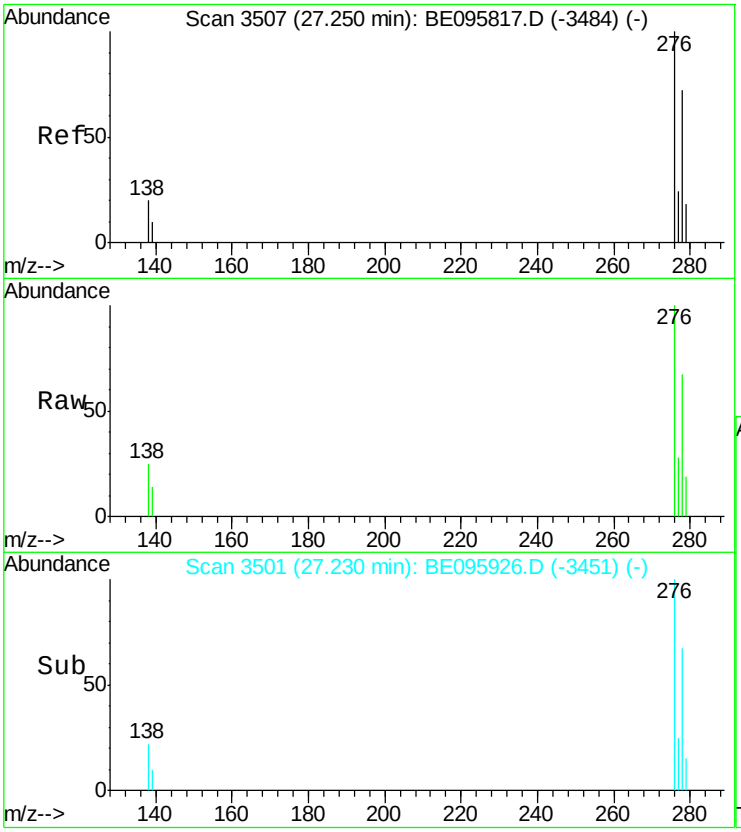


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.412 ng
RT: 21.64 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:149 Resp: 31216

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1



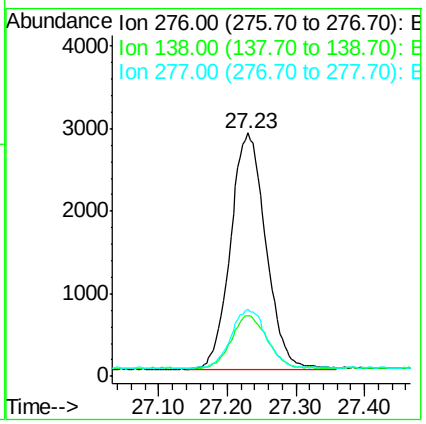


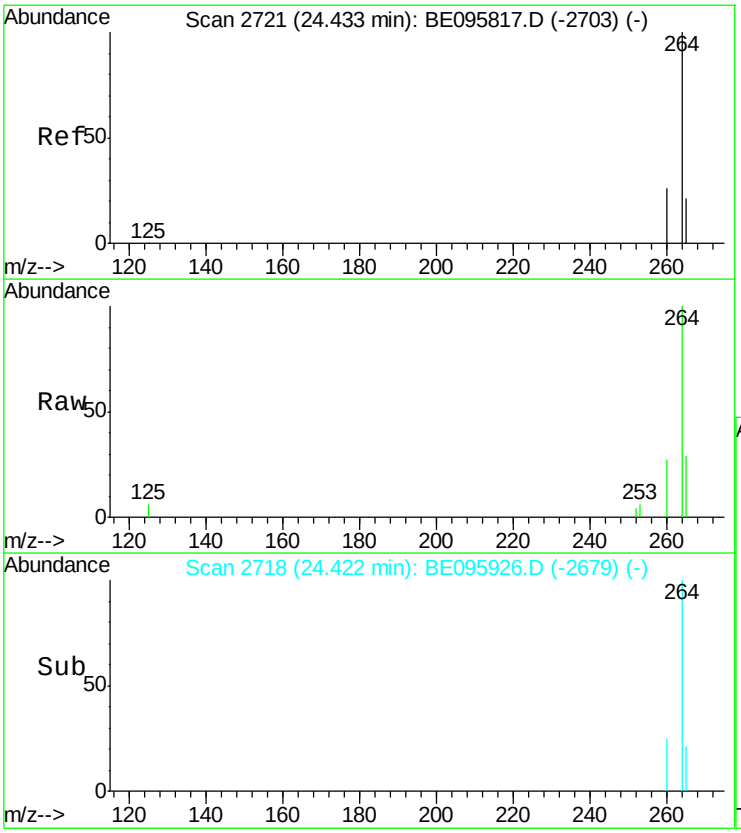
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.420 ng
RT: 27.23 min Scan# 3501
Delta R.T. -0.02 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:276 Resp: 10240

Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.5	33.7
277	25.1	19.9	29.9

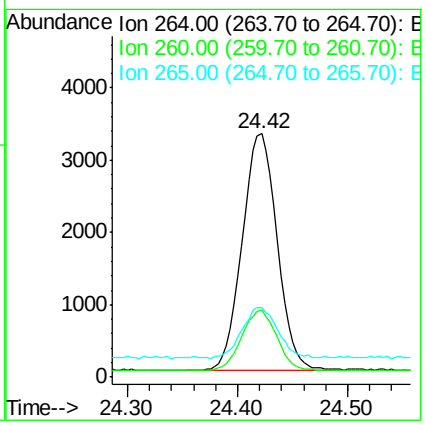


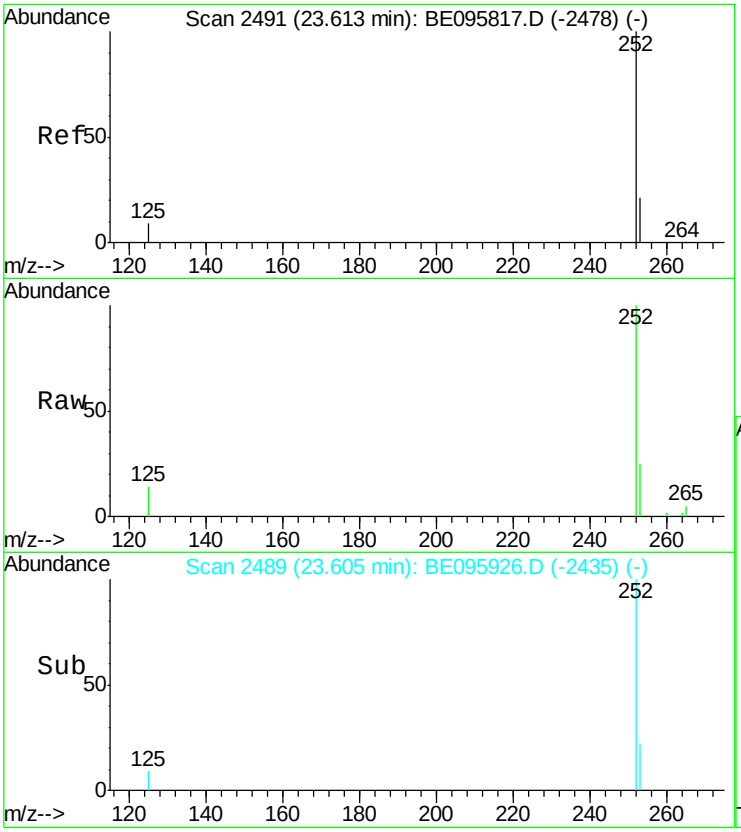


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:264 Resp: 7146

Ion	Ratio	Lower	Upper
264	100		
260	27.5	20.5	30.7
265	28.8	22.8	34.2



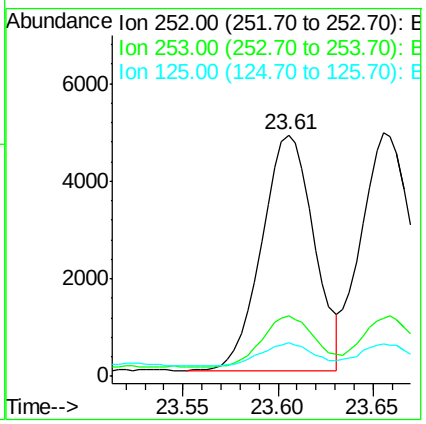


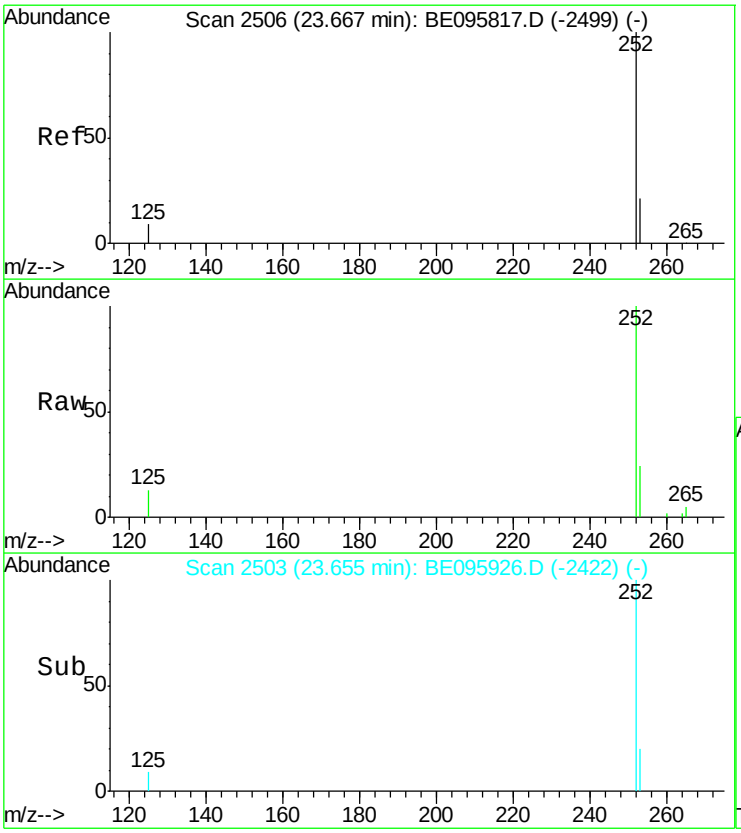
#35
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 23.61 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:252 Resp: 9233

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.0	30.0
125	13.7	16.0	24.0#

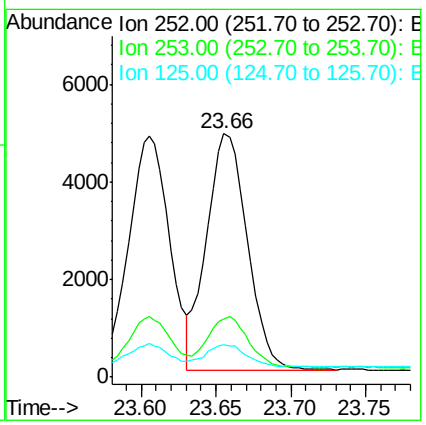


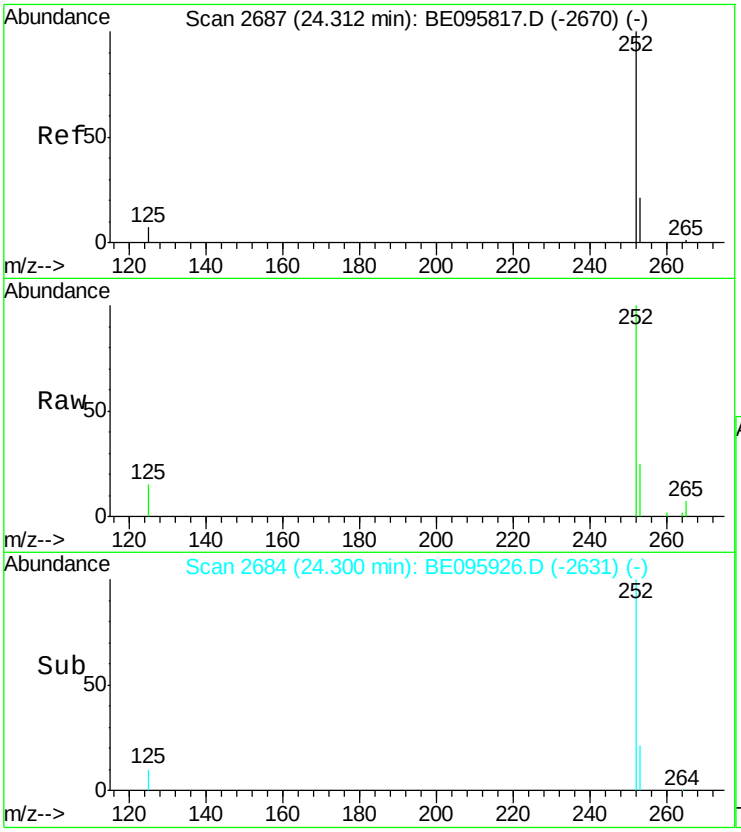


#36
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 23.66 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:252 Resp: 9266

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	13.3	8.0	12.0#



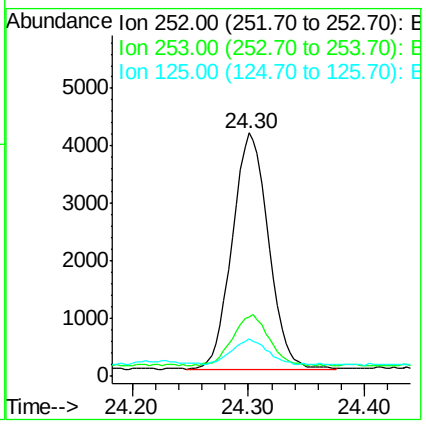


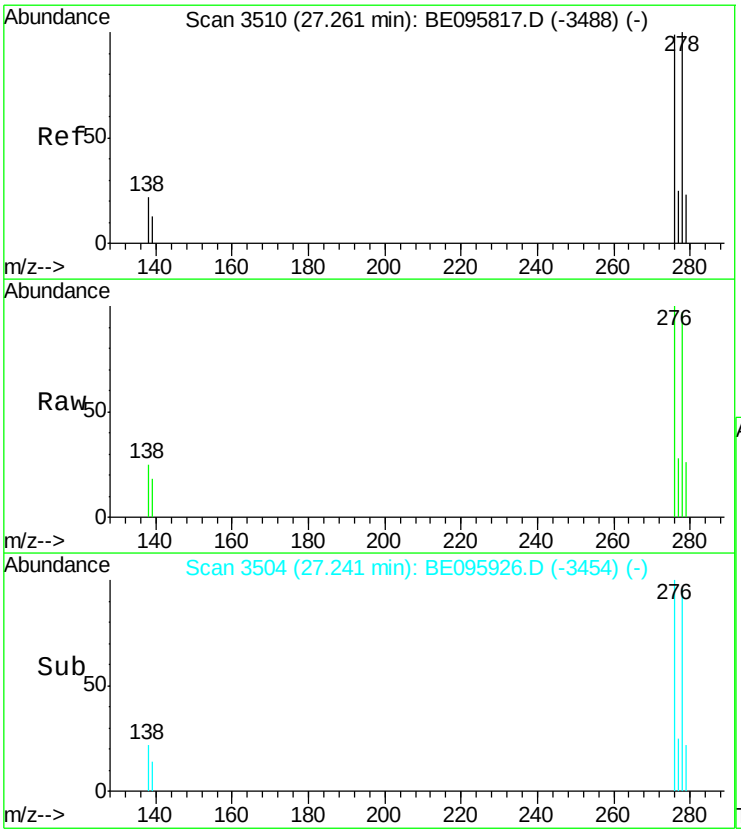
#37
Benzo(a)pyrene
Concen: 0.401 ng
RT: 24.30 min Scan# 2684
Delta R.T. -0.01 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:252 Resp: 8889

Ion	Ratio	Lower	Upper
252	100		
253	24.6	16.0	24.0#
125	15.3	12.0	18.0

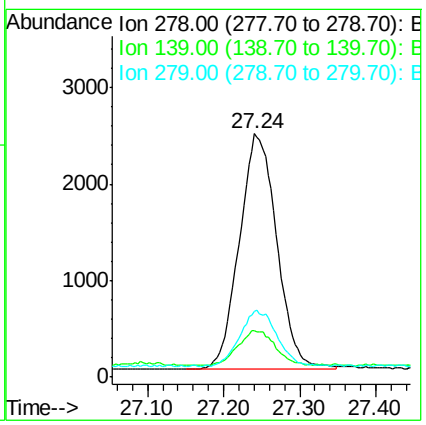


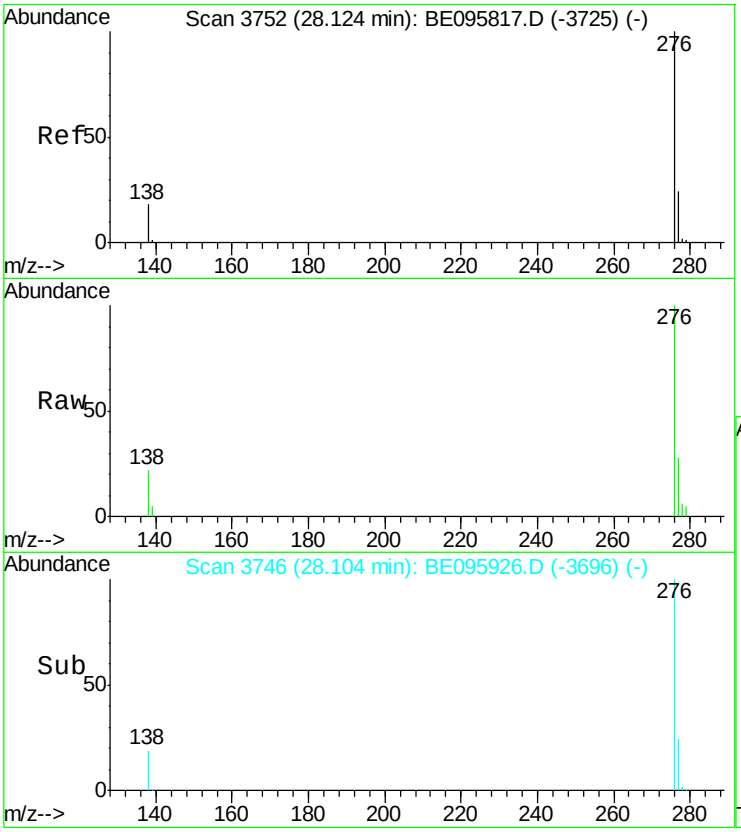


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Tgt Ion:278 Resp: 8398

Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.0	24.0
279	26.9	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.408 ng
RT: 28.10 min Scan# 3746
Delta R.T. -0.02 min
Lab File: BE095926.D
Acq: 2 Apr 2018 14:22

Instrument :
BNA_E
ClientSampleId :
SY-3D-20180327MS

Tgt Ion:276 Resp: 8628

Ion	Ratio	Lower	Upper
276	100		
277	27.9	16.0	24.0#
138	22.2	20.0	30.0