Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
Data File : BE095820.D
Acq On : 23 Mar 2018 11:45
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Mar 23 12:37:43 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 10:57:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1024	0.40	ng		0.00
7) Naphthalene-d8	11.26	136	4073	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	2437	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	6289	0.40	ng		0.00
27) Chrysene-d12	21.80	240	7670	0.40	ng		0.00
34) Perylene-d12	24.43	264	7208	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	10484	3.88	ng		0.00
5) Phenol-d6	7.57	99	14974	4.00	ng		0.00
8) Nitrobenzene-d5	9.59	82	15621	3.72	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	21640	3.18	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	4672	5.35	ng		0.00
15) 2-Fluorobiphenyl	13.63	172	32070	2.95	ng		-0.01
25) Fluoranthene-d10	19.69	212	295814	3.60	ng		0.00
29) Terphenyl-d14	20.24	244	50059	3.27	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.63	88	4952	3.072	ng	#	88
3) n-Nitrosodimethylamine	3.98	42	8193	4.099	ng	#	81
6) bis(2-Chloroethyl)ether	7.81	93	12526	3.261	ng		95
9) Naphthalene	11.31	128	145212	3.093	ng		99
10) Hexachlorobutadiene	11.56	225	10235	3.738	ng		92
12) 2-Methylnaphthalene	12.87	142	25368	3.131	ng		95
16) Acenaphthylene	14.73	152	45045	3.291	ng		99
17) Acenaphthene	15.06	154	28112	3.270	ng		99
18) Fluorene	16.03	166	35648	3.344	ng	#	79
20) 4-Bromophenyl-phenylether	16.89	248	12091	3.063	ng	#	82
21) Hexachlorobenzene	17.02	284	11787	2.884	ng	#	83
22) Pentachlorophenol	17.37	266	4484	4.746	ng	#	70
23) Phenanthrene	17.74	178	59834	3.044	ng		99
24) Anthracene	17.84	178	60354	3.344	ng		95
26) Fluoranthene	19.72	202	83707	3.461	ng	#	97
28) Pyrene	20.07	202	94578	3.015	ng		95
30) Benzo(a)anthracene	21.78	228	82098	3.281	ng		98
31) Chrysene	21.84	228	74585	2.997	ng		99
33) Indeno(1,2,3-cd)pyrene	27.25	276	80899	3.355	ng	#	93
35) Benzo(b)fluoranthene	23.61	252	74760	2.912	ng	#	87
36) Benzo(k)fluoranthene	23.67	252	76636	3.001	ng		97
37) Benzo(a)pyrene	24.31	252	70925	3.065	ng	#	93
38) Dibenzo(a,h)anthracene	27.26	278	67795	3.292	ng	#	94
39) Benzo(g,h,i)perylene	28.12	276	66680	3.022	ng	#	89

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

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Acq On : 23 Mar 2018 11:45
Operator : SJ/JU
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Misc :
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Instrument :
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SSTDICC3.2

Quant Time: Mar 23 12:37:43 2018
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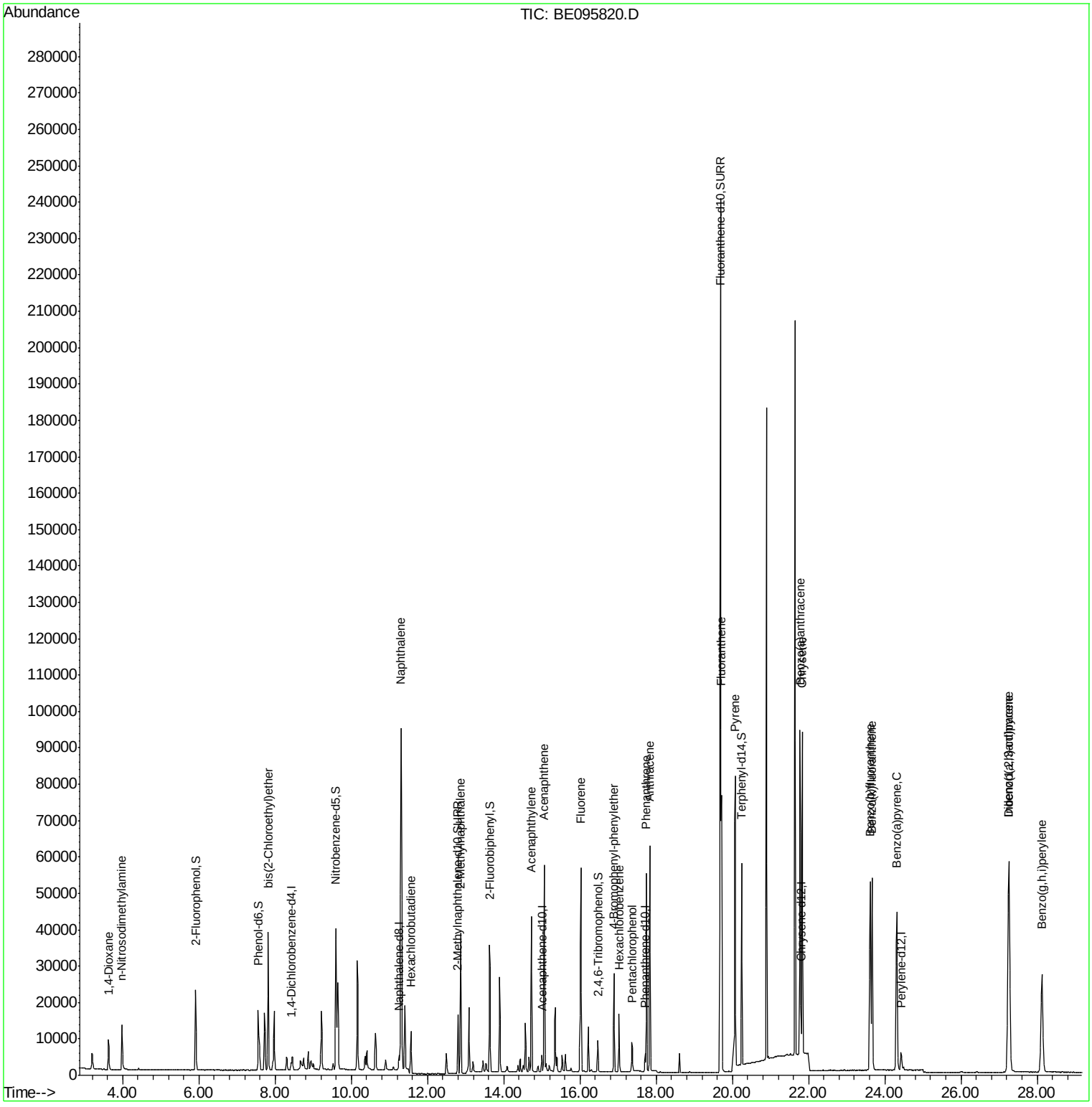
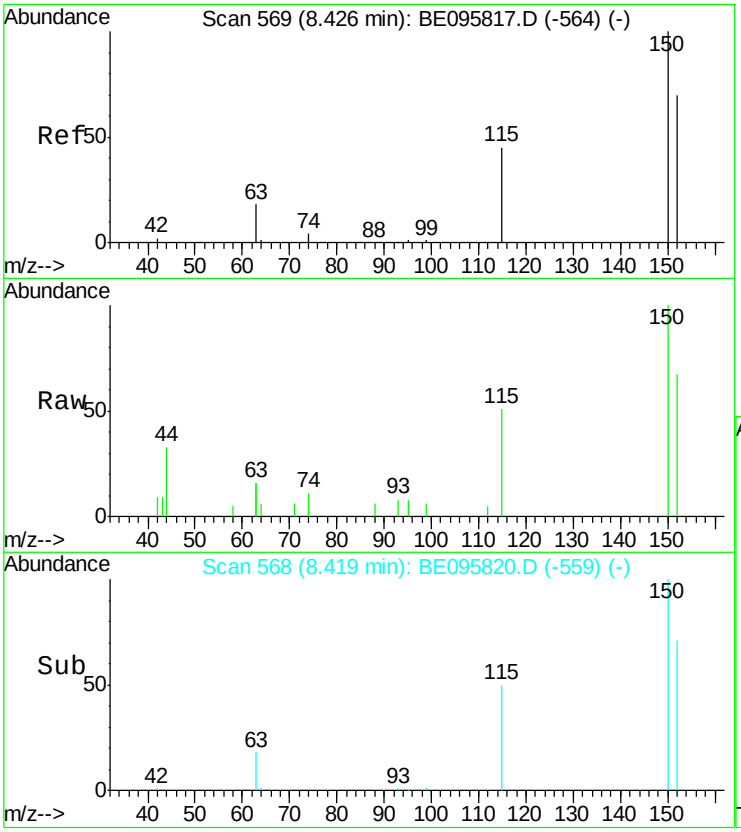
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 10:57:46 2018
Response via : Initial Calibration



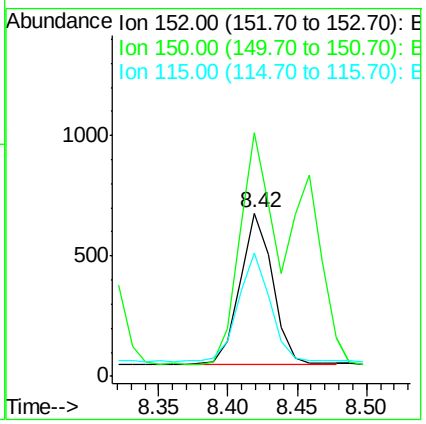


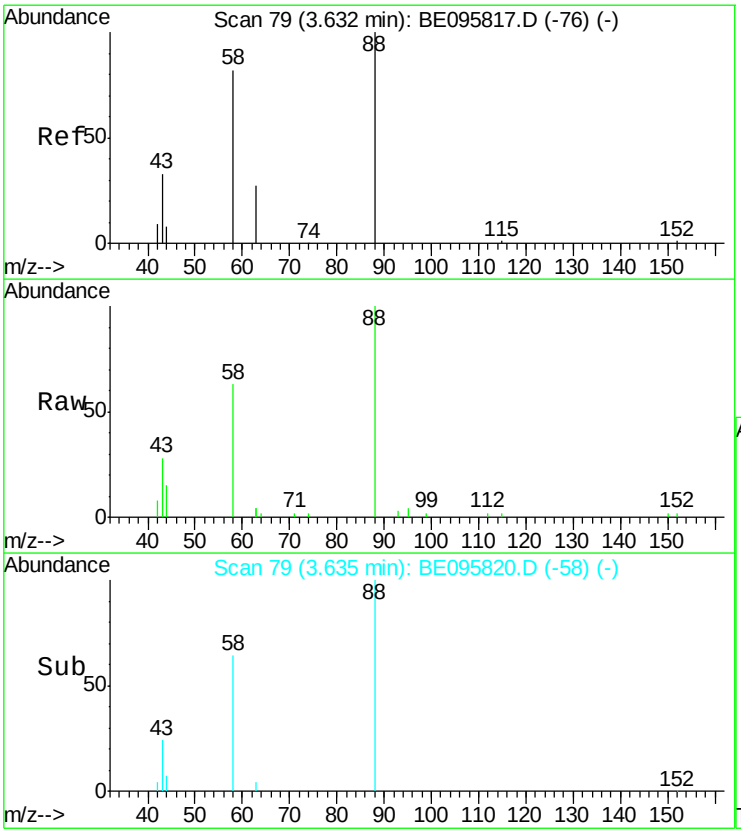
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 1024

Ion	Ratio	Lower	Upper
152	100		
150	149.3	117.2	175.8
115	75.6	57.0	85.6

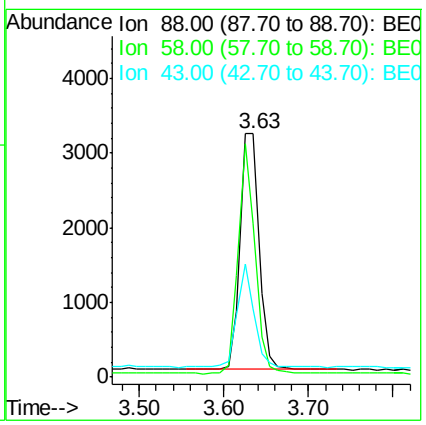


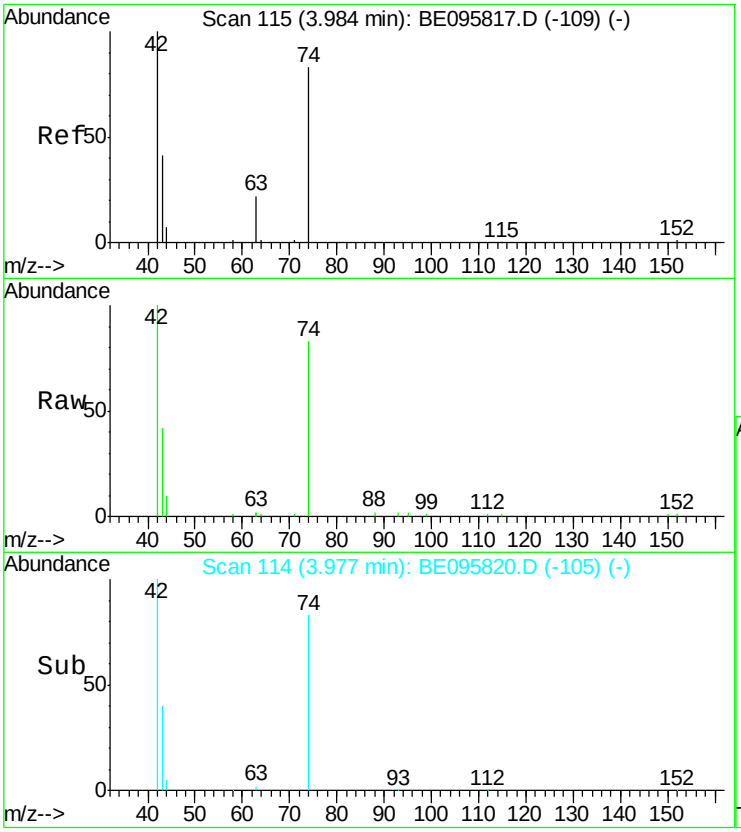


#2
1,4-Dioxane
Concen: 3.072 ng
RT: 3.63 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion: 88 Resp: 4952

Ion	Ratio	Lower	Upper
88	100		
58	86.0	63.2	94.8
43	38.8	41.2	61.8#



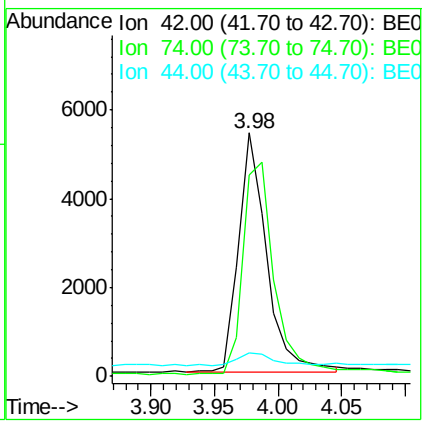


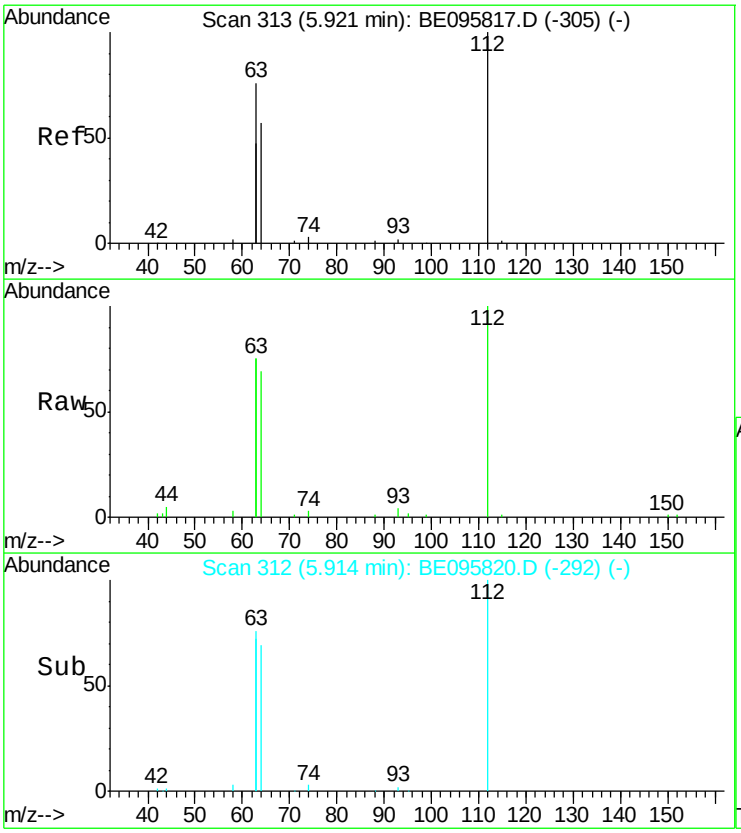
#3
n-Nitrosodimethylamine
Concen: 4.099 ng
RT: 3.98 min Scan# 114
Delta R.T. -0.01 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 8193

Ion	Ratio	Lower	Upper
42	100		
74	99.2	96.0	144.0
44	6.8	12.0	18.0#

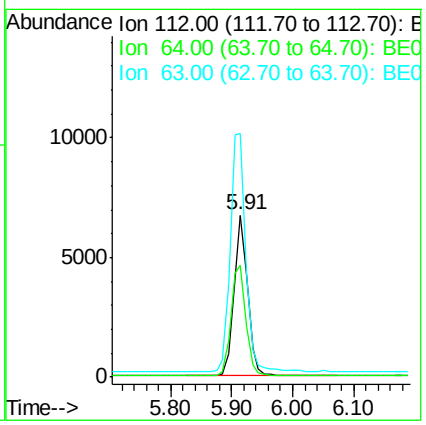


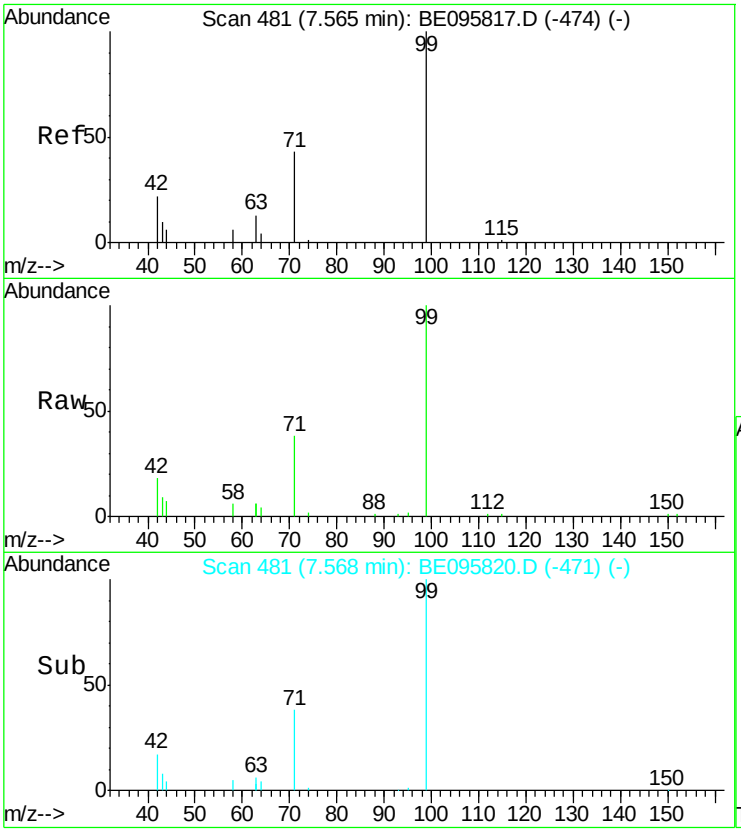


#4
2-Fluorophenol
Concen: 3.878 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:112 Resp: 10484

Ion	Ratio	Lower	Upper
112	100		
64	76.0	60.1	90.1
63	167.7	116.8	175.2



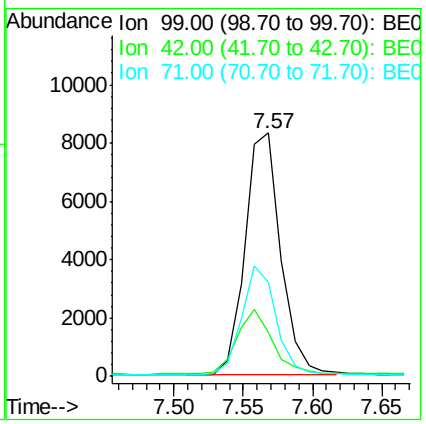


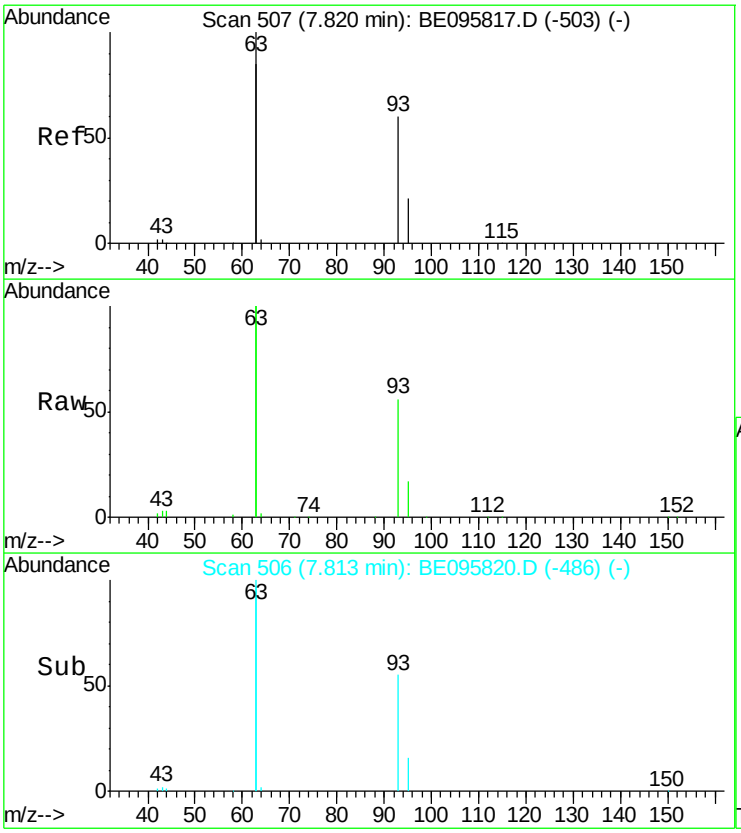
#5
Phenol-d6
Concen: 4.000 ng
RT: 7.57 min Scan# 481
Delta R.T. 0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 14974

Ion	Ratio	Lower	Upper
99	100		
42	26.2	20.2	30.2
71	43.0	28.4	42.6#

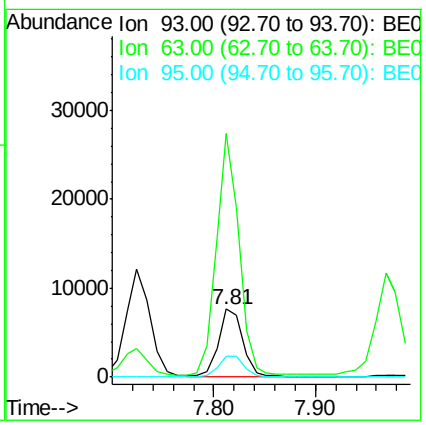


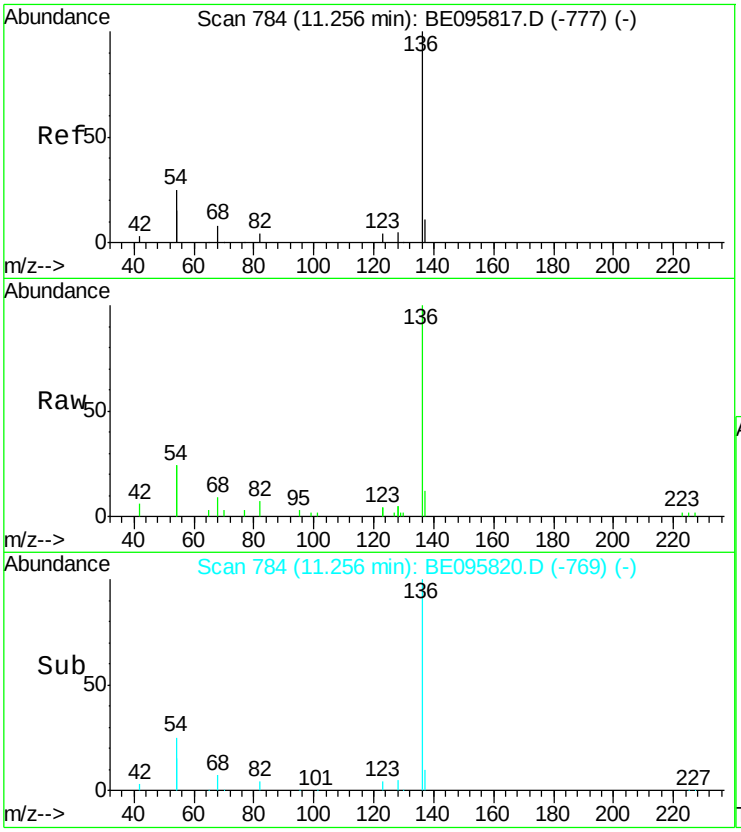


#6
bis(2-Chloroethyl)ether
Concen: 3.261 ng
RT: 7.81 min Scan# 506
Delta R.T. -0.01 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion: 93 Resp: 12526

Ion	Ratio	Lower	Upper
93	100		
63	333.7	275.3	412.9
95	32.2	25.2	37.8



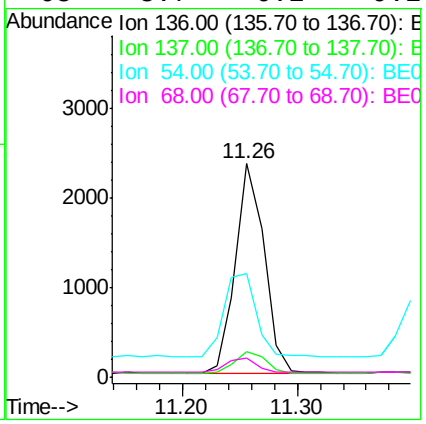


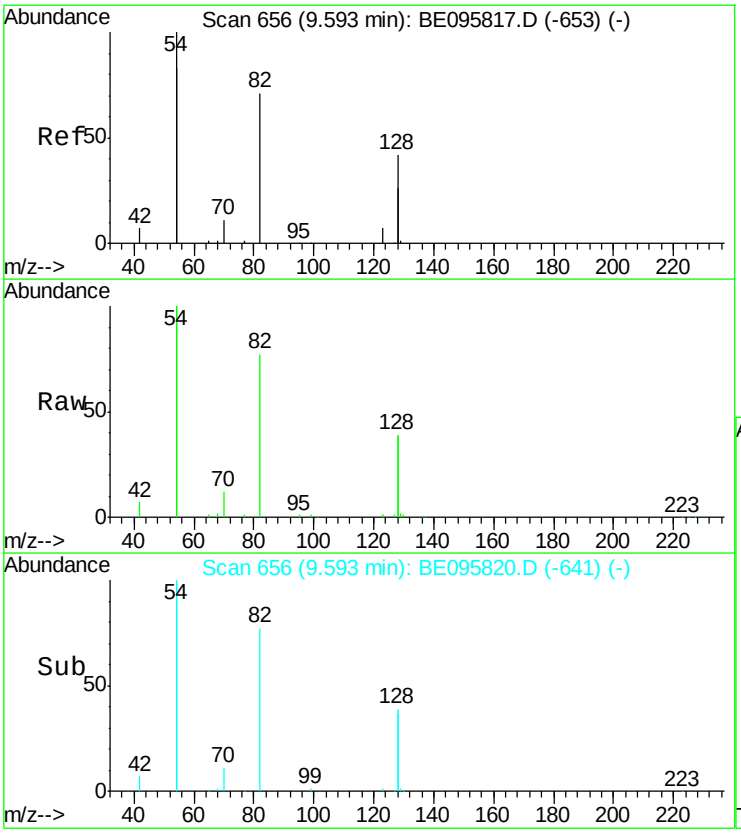
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 4073

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	48.6	29.1	43.7#
68	8.7	6.2	9.2

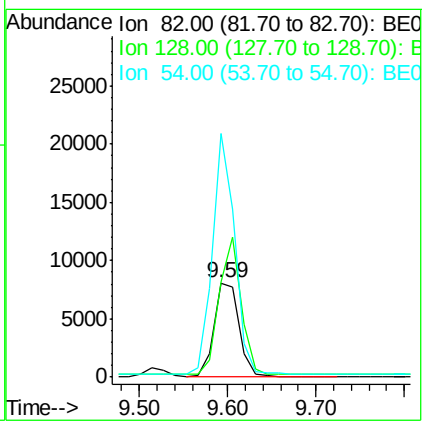


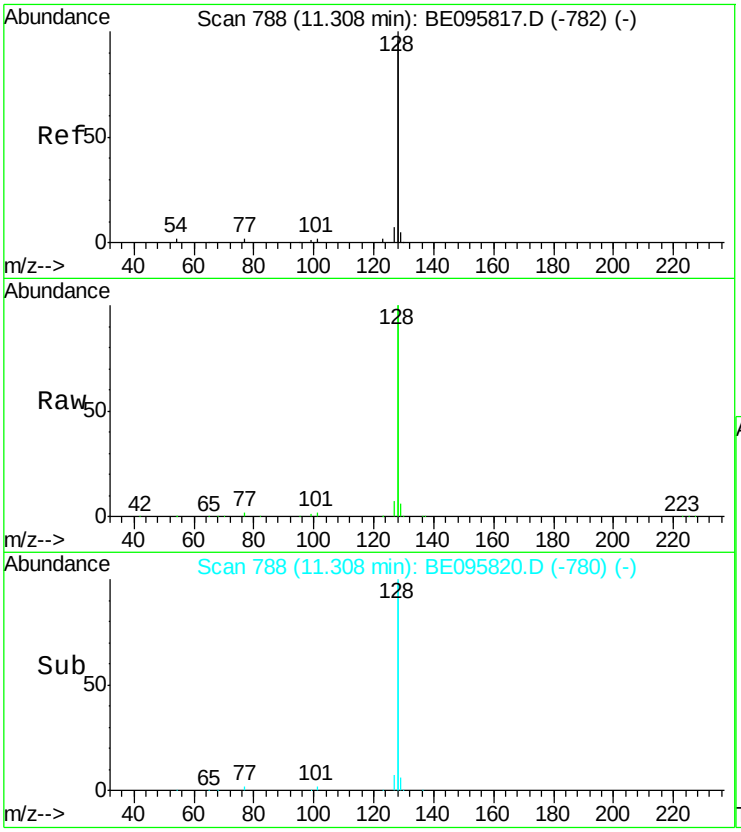


#8
Nitrobenzene-d5
Concen: 3.722 ng
RT: 9.59 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion: 82 Resp: 15621

Ion	Ratio	Lower	Upper
82	100		
128	101.3	150.0	225.0#
54	259.0	154.2	231.4#



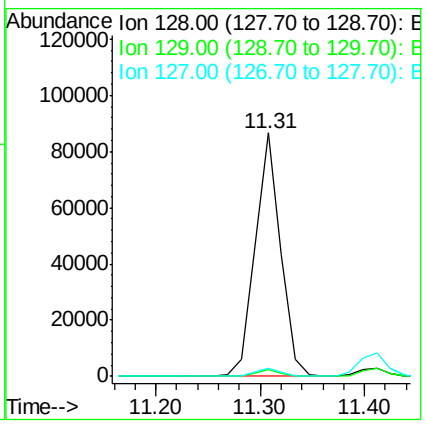


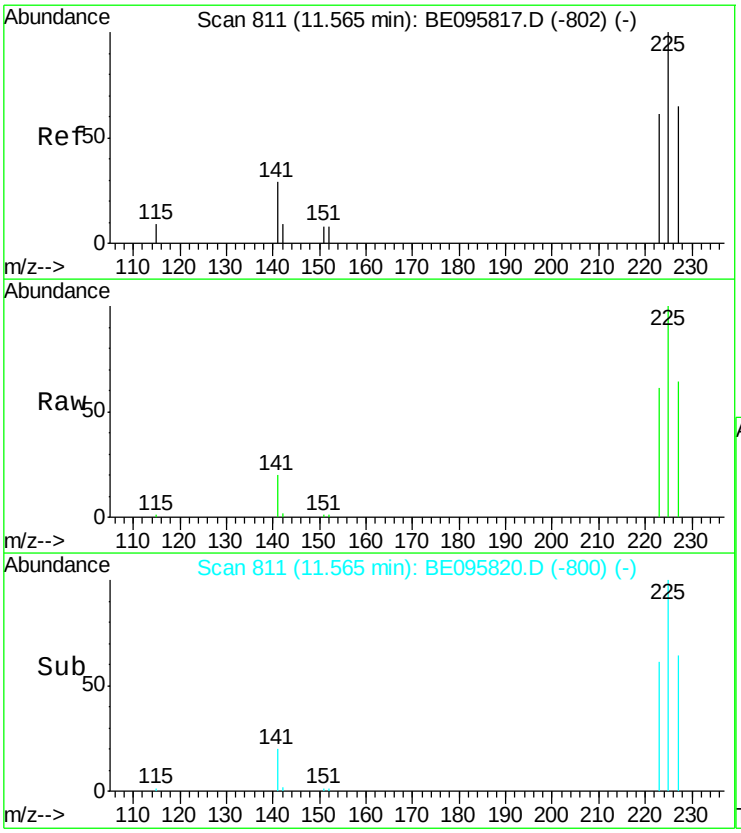
#9
Naphthalene
Concen: 3.093 ng
RT: 11.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 145212

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

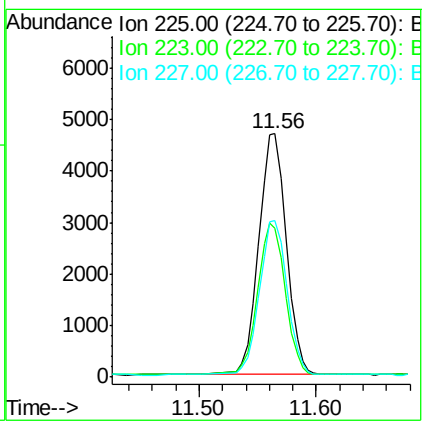


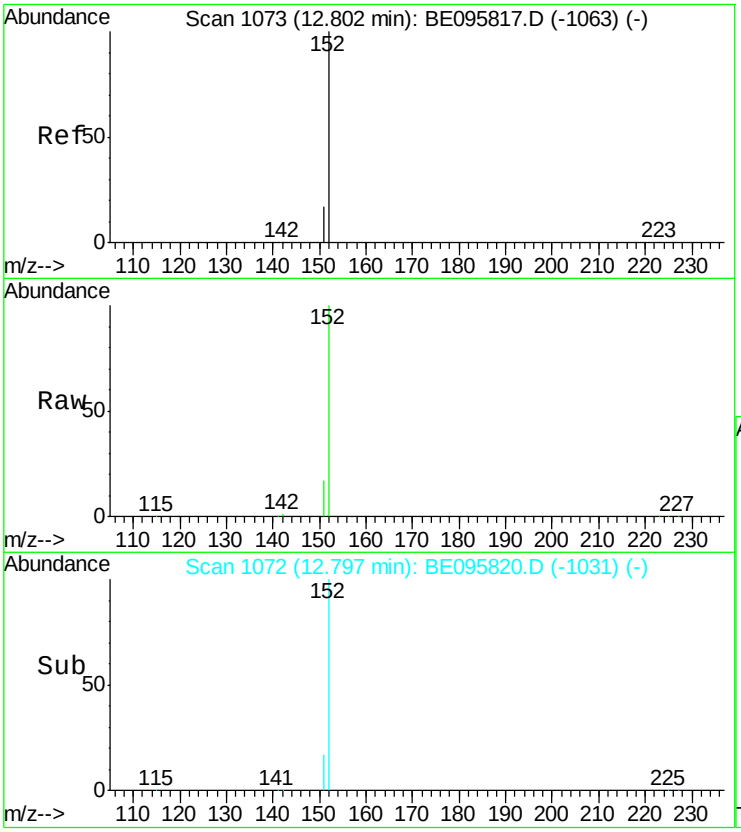


#10
Hexachlorobutadiene
Concen: 3.738 ng
RT: 11.56 min Scan# 811
Delta R.T. 0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:225 Resp: 10235

Ion	Ratio	Lower	Upper
225	100		
223	57.1	53.0	79.6
227	61.3	51.4	77.2



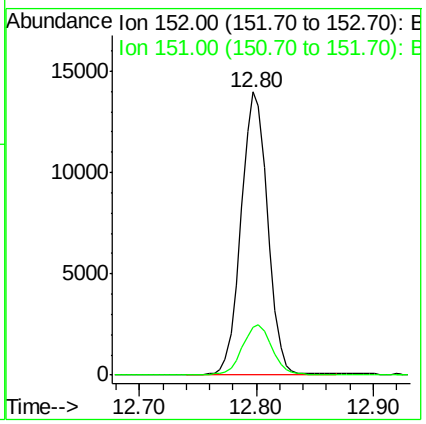


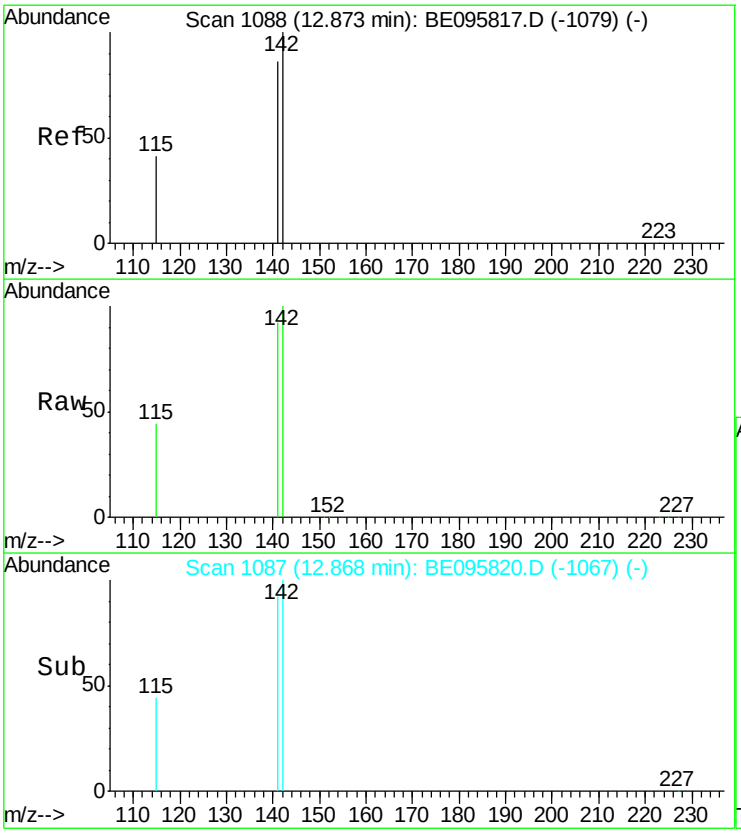
#11
2-Methylnaphthalene-d10
Concen: 3.179 ng
RT: 12.80 min Scan# 1072
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 21640

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

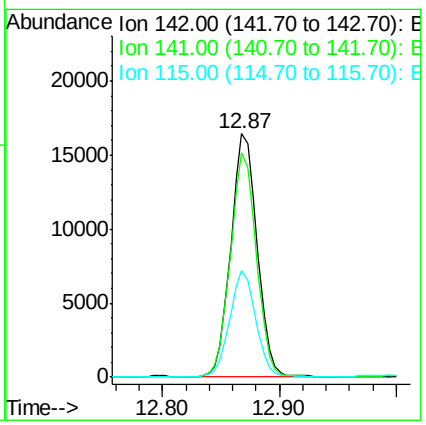


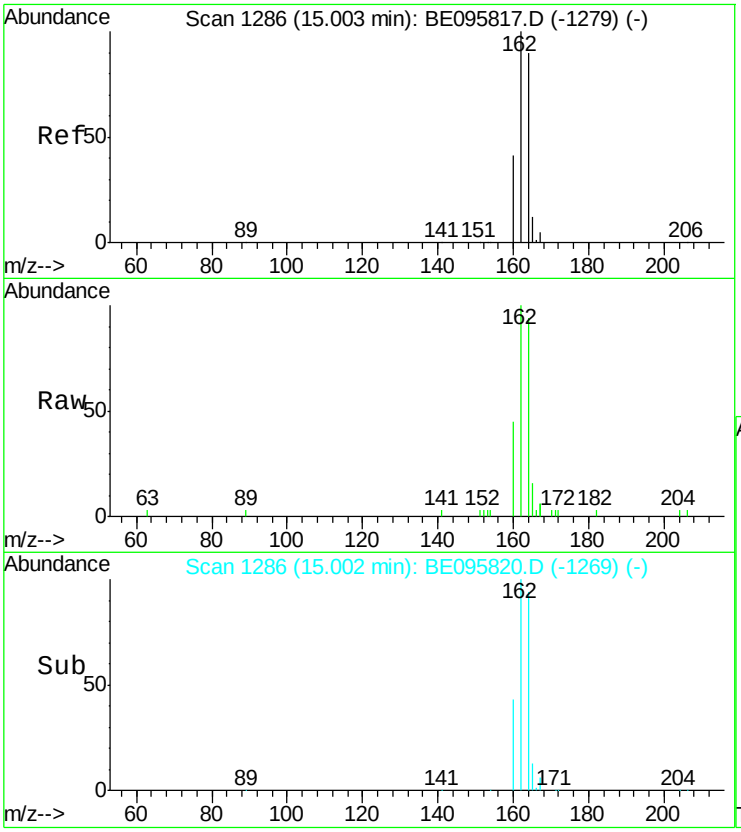


#12
2-Methylnaphthalene
Concen: 3.131 ng
RT: 12.87 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:142 Resp: 25368

Ion	Ratio	Lower	Upper
142	100		
141	92.3	70.4	105.6
115	43.8	31.7	47.5



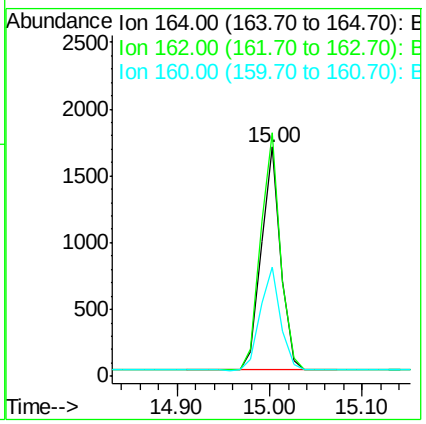


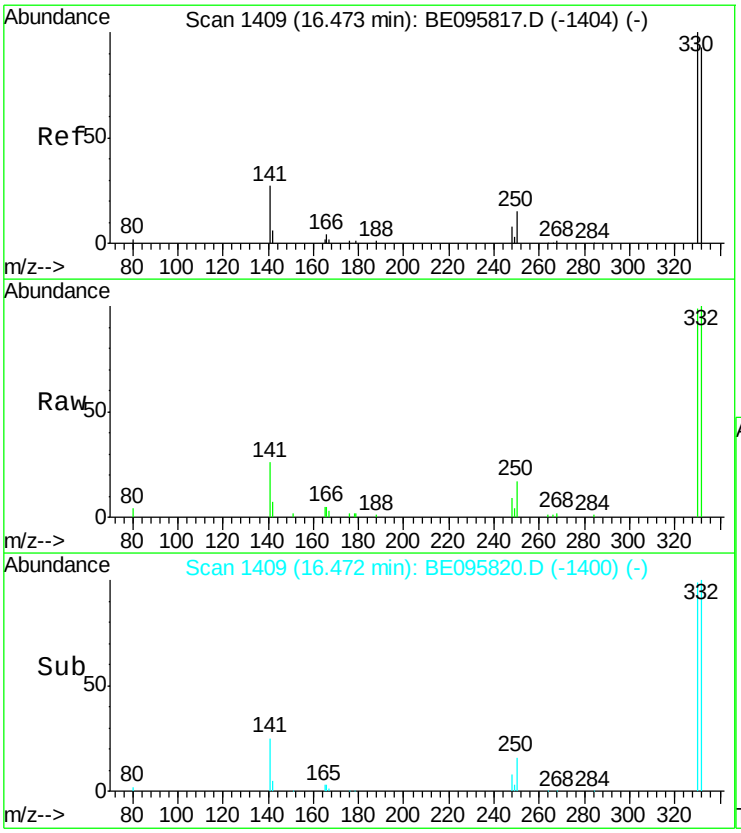
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 2437

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.1	124.7
160	47.4	37.1	55.7

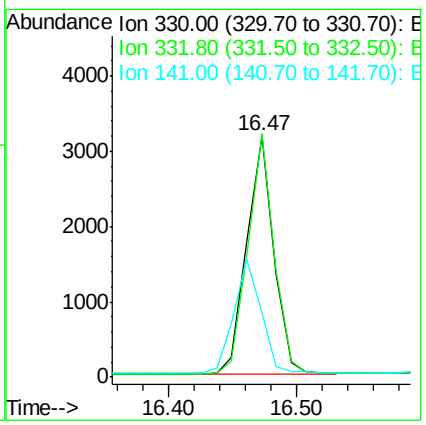


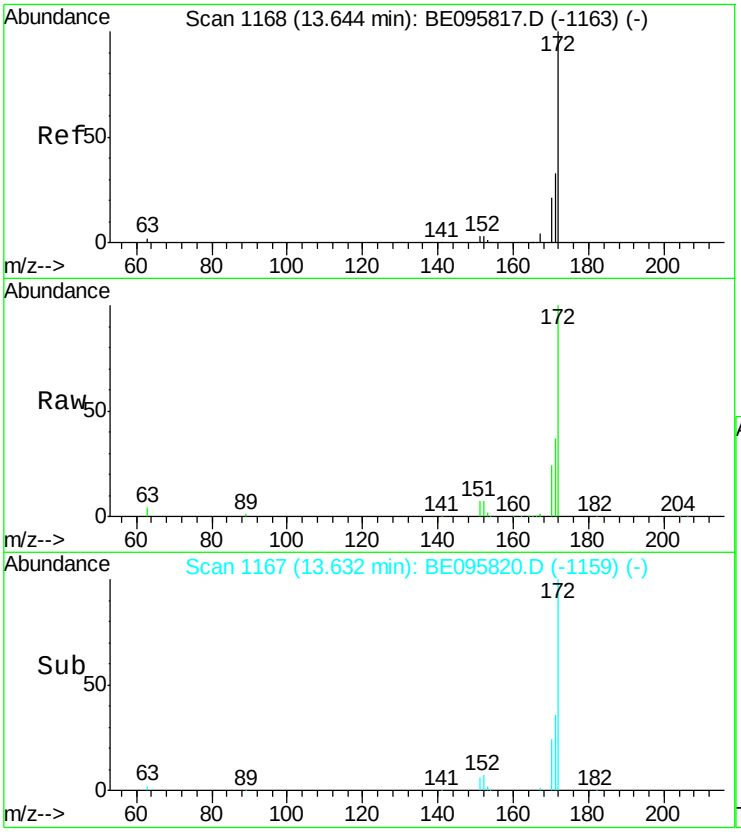


#14
2,4,6-Tribromophenol
Concen: 5.346 ng
RT: 16.47 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:330 Resp: 4672

Ion	Ratio	Lower	Upper
330	100		
332	97.6	152.7	229.1#
141	47.3	33.7	50.5



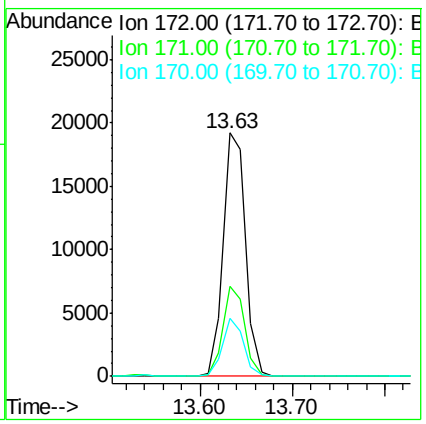


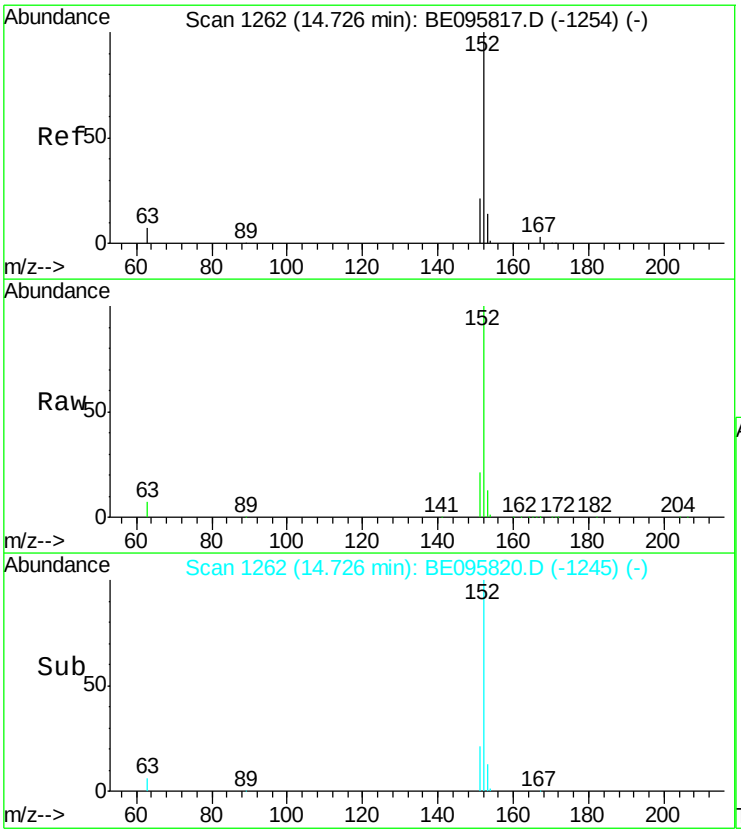
#15
2-Fluorobiphenyl
Concen: 2.945 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 32070

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	23.9	21.8	32.8

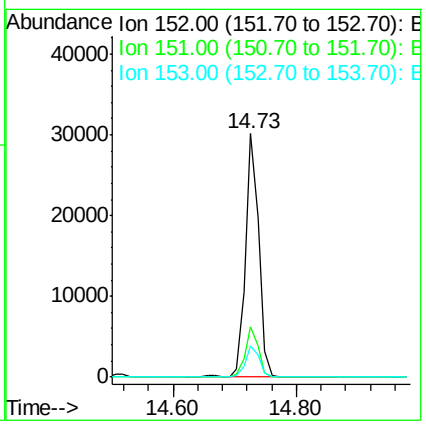


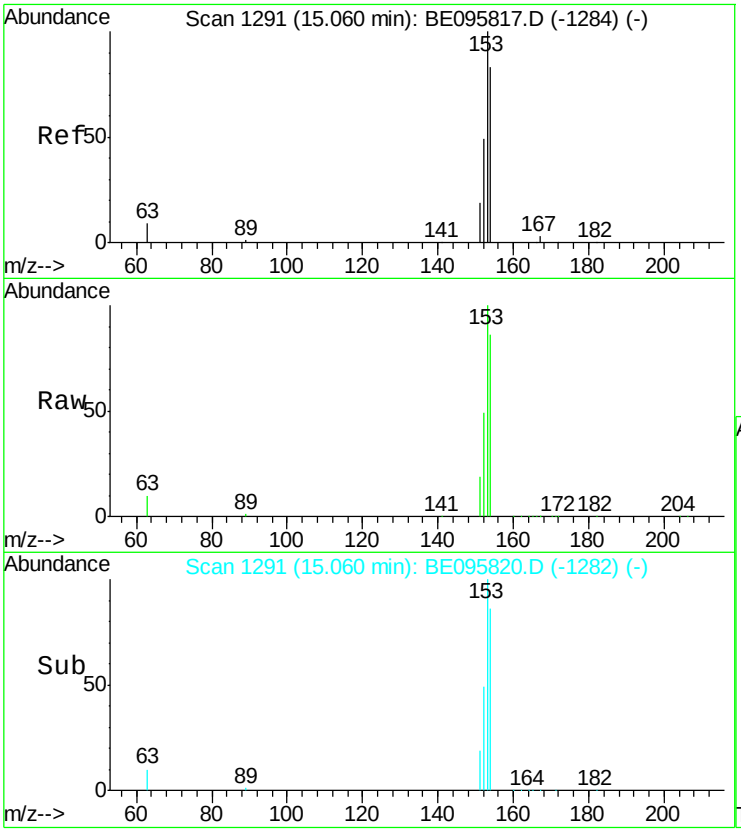


#16
Acenaphthylene
Concen: 3.291 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:152 Resp: 45045

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	12.8	10.5	15.7



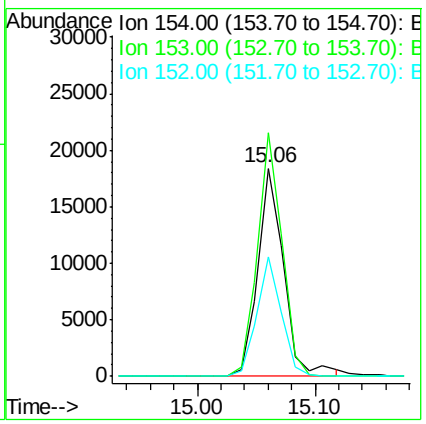


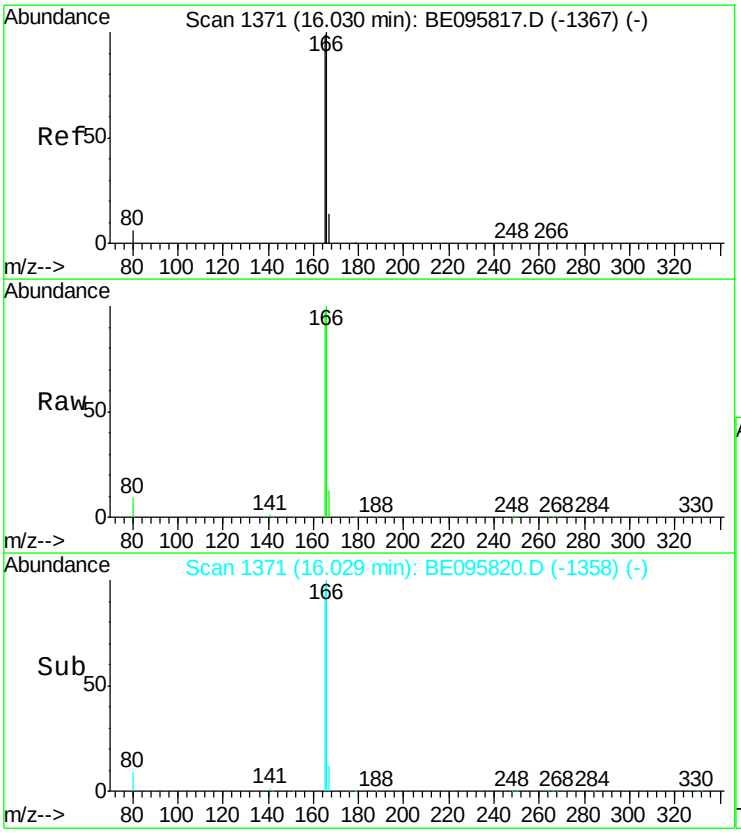
#17
Acenaphthene
Concen: 3.270 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 28112

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.2	133.8
152	53.7	42.0	63.0

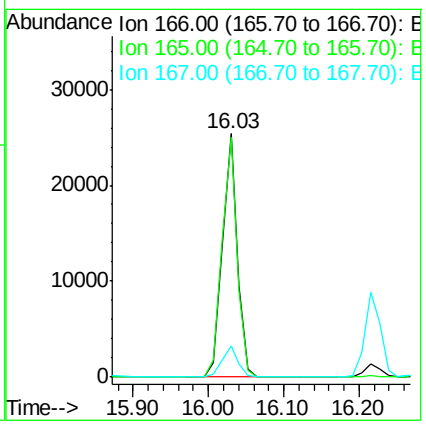


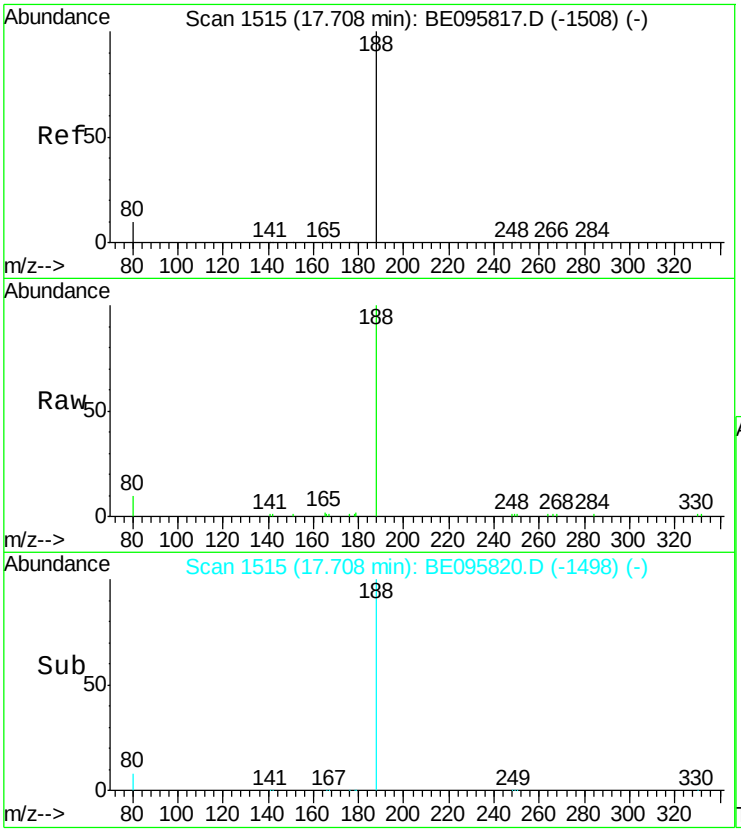


#18
Fluorene
Concen: 3.344 ng
RT: 16.03 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:166 Resp: 35648

Ion	Ratio	Lower	Upper
166	100		
165	99.7	77.8	116.6
167	13.2	42.4	63.6#



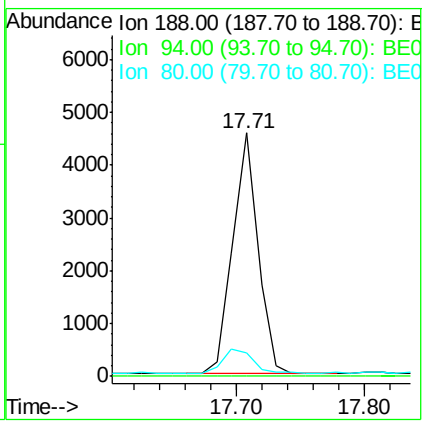


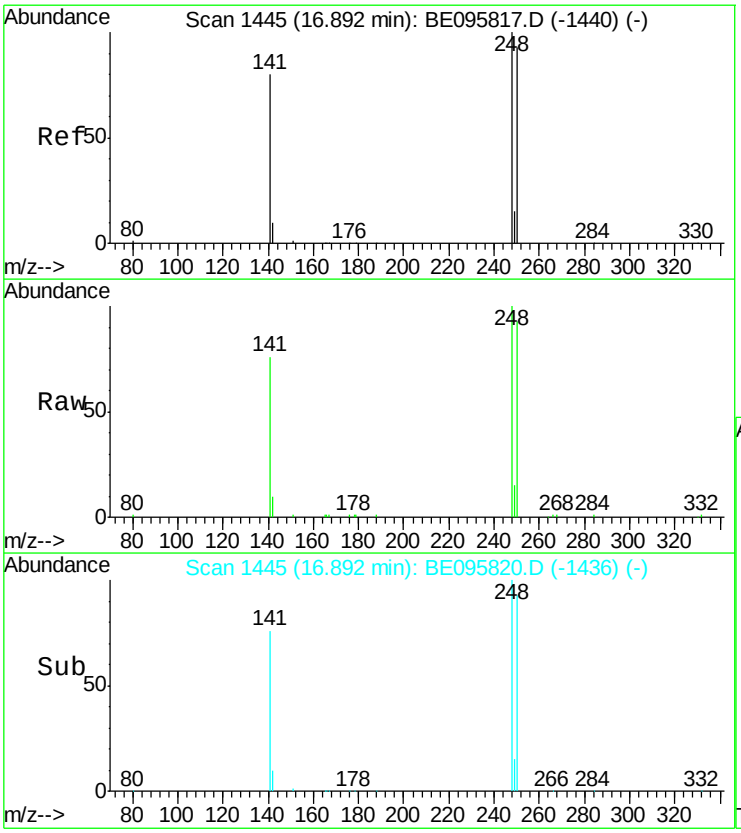
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6289

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.9	3.6	5.4#

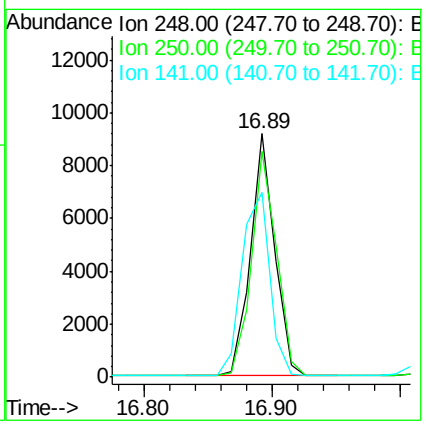


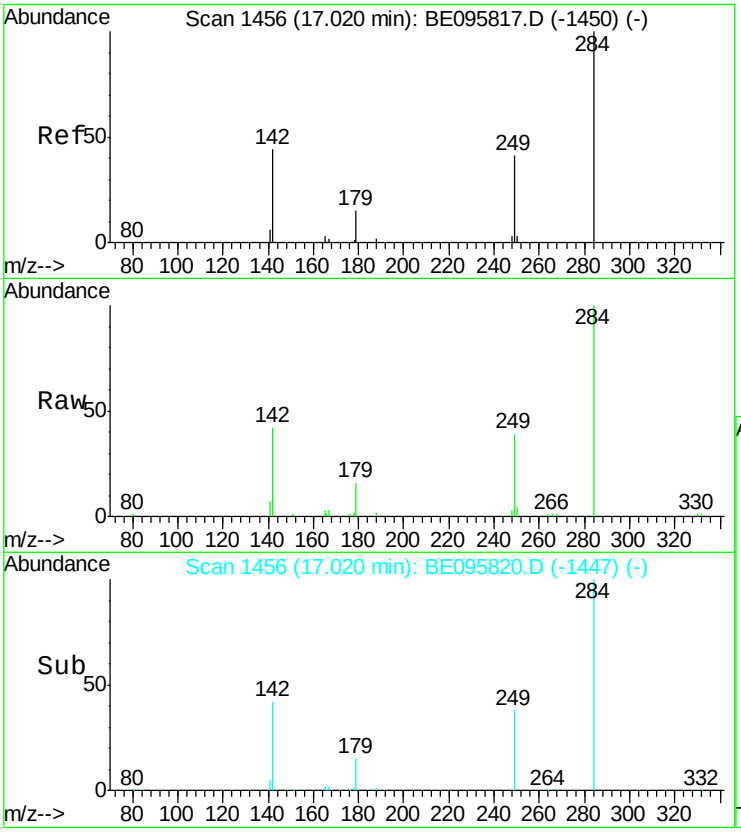


#20
4-Bromophenyl-phenylether
Concen: 3.063 ng
RT: 16.89 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:248 Resp: 12091

Ion	Ratio	Lower	Upper
248	100		
250	92.9	62.7	94.1
141	76.0	48.2	72.2#



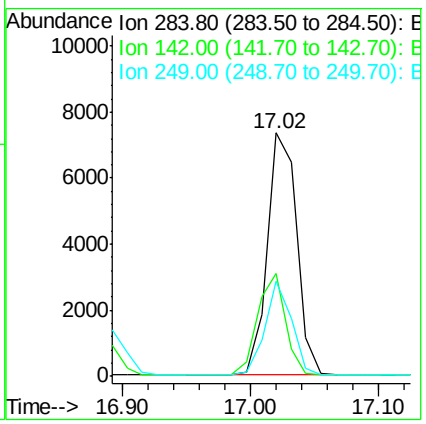


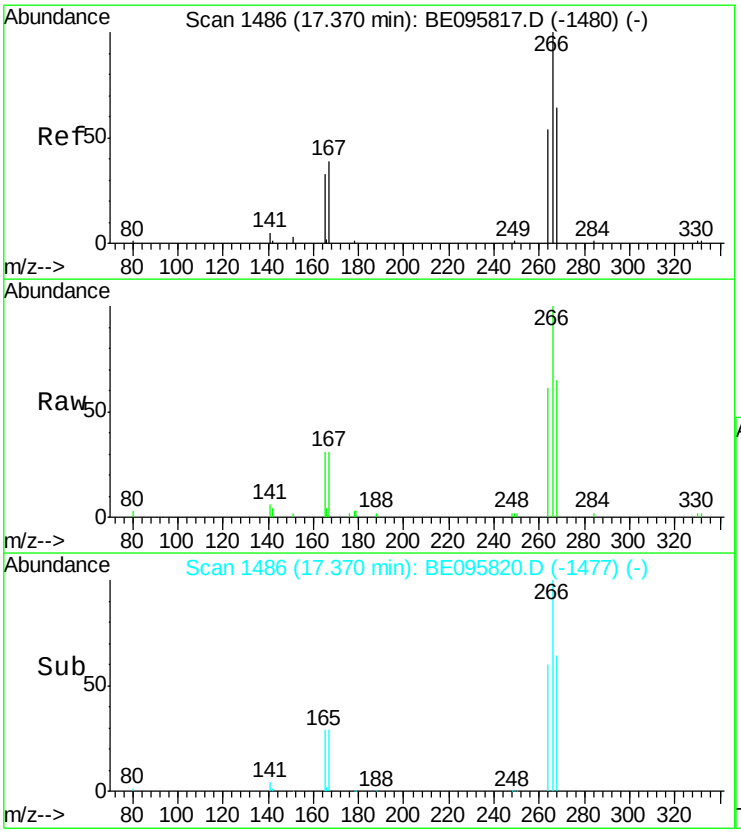
#21
Hexachlorobenzene
Concen: 2.884 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 11787

Ion	Ratio	Lower	Upper
284	100		
142	39.4	22.1	33.1#
249	34.8	34.8	52.2

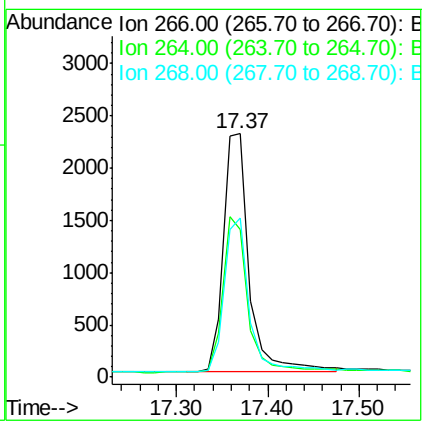


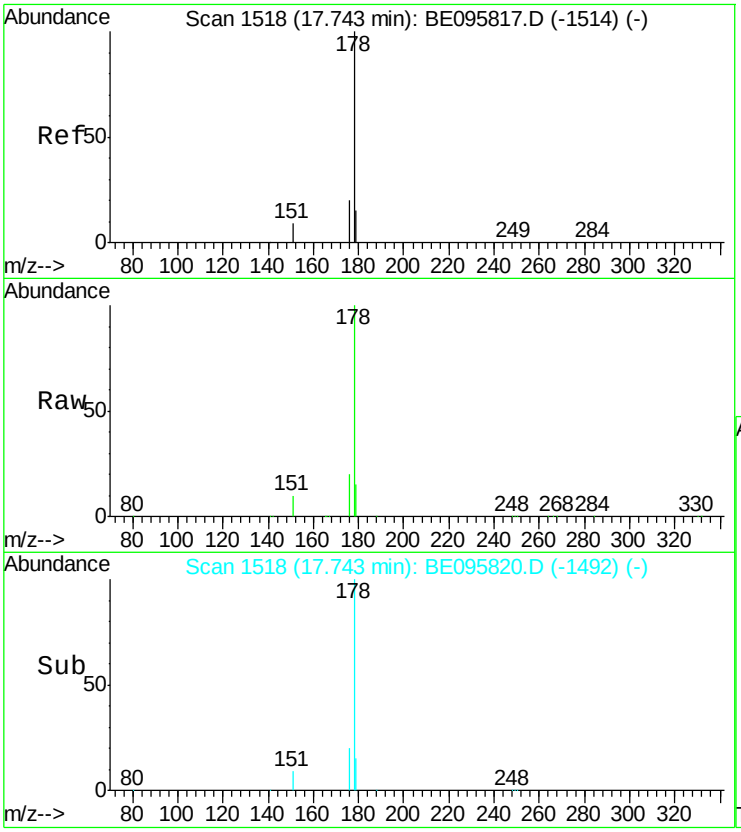


#22
Pentachlorophenol
Concen: 4.746 ng
RT: 17.37 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:266 Resp: 4484

Ion	Ratio	Lower	Upper
266	100		
264	60.7	72.5	108.7#
268	65.2	73.8	110.6#



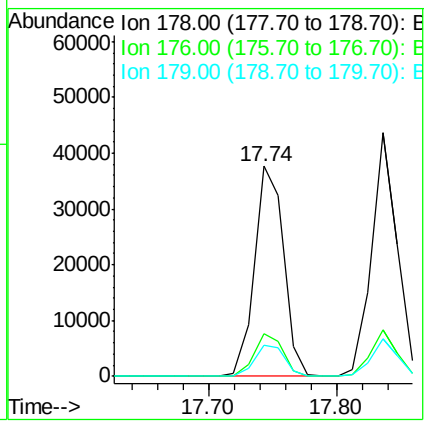


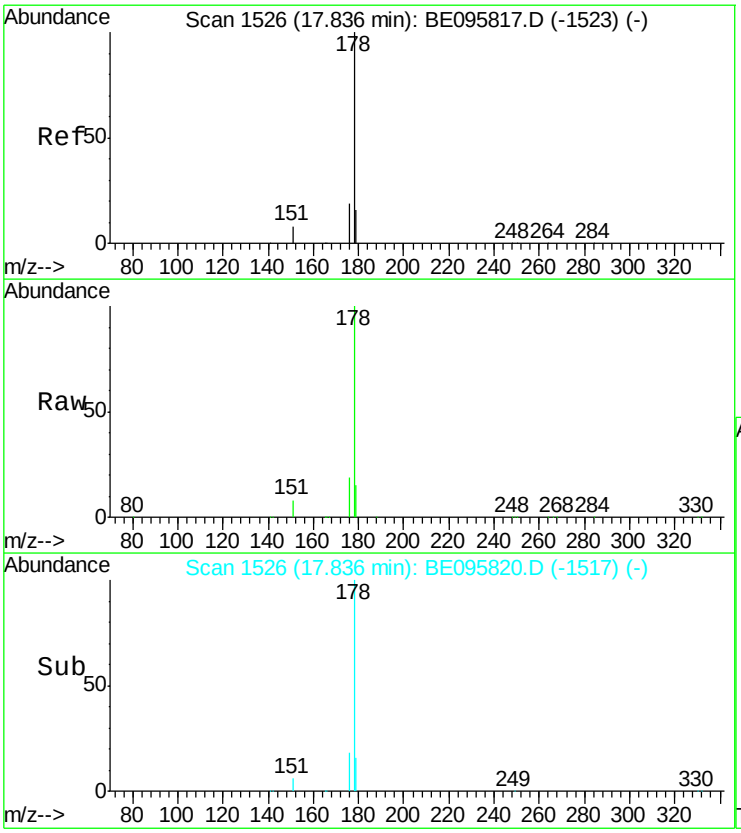
#23
Phenanthrene
Concen: 3.044 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 59834

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

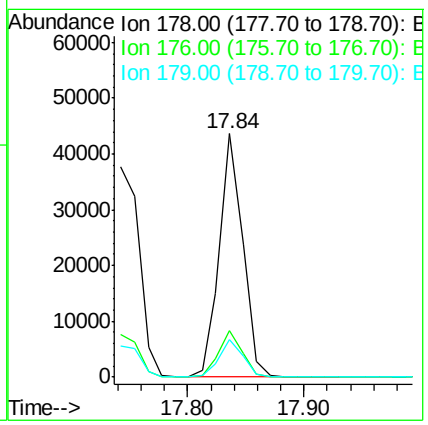


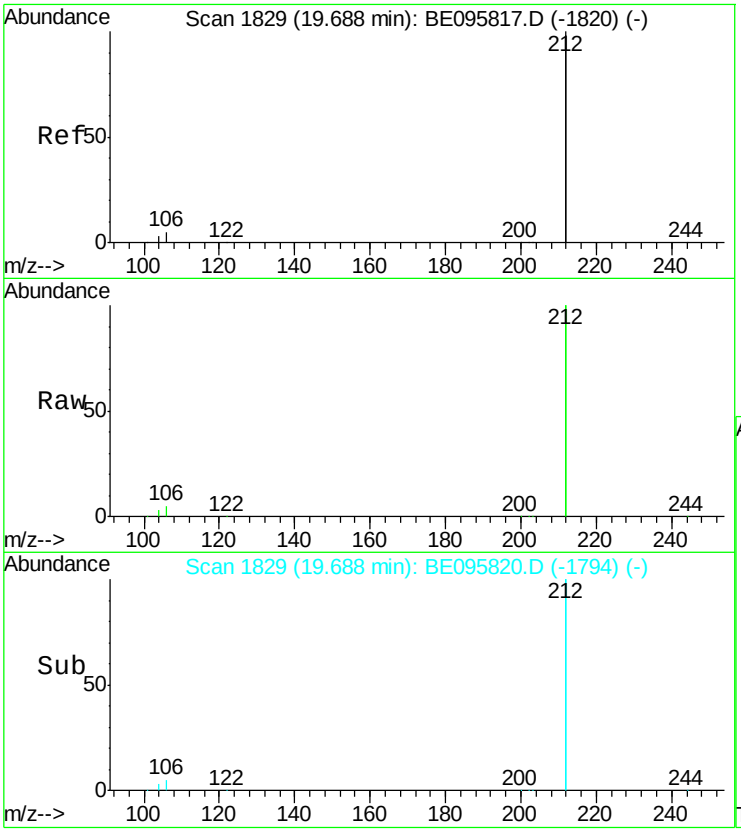


#24
Anthracene
Concen: 3.344 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:178 Resp: 60354

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.2	13.0	19.6



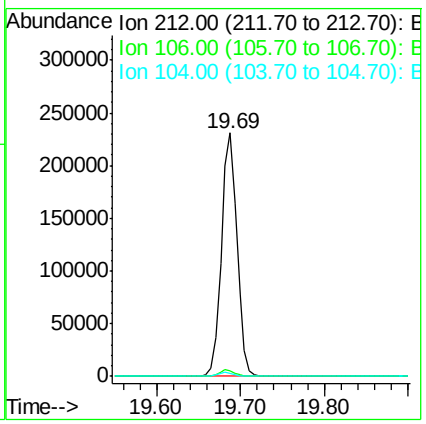


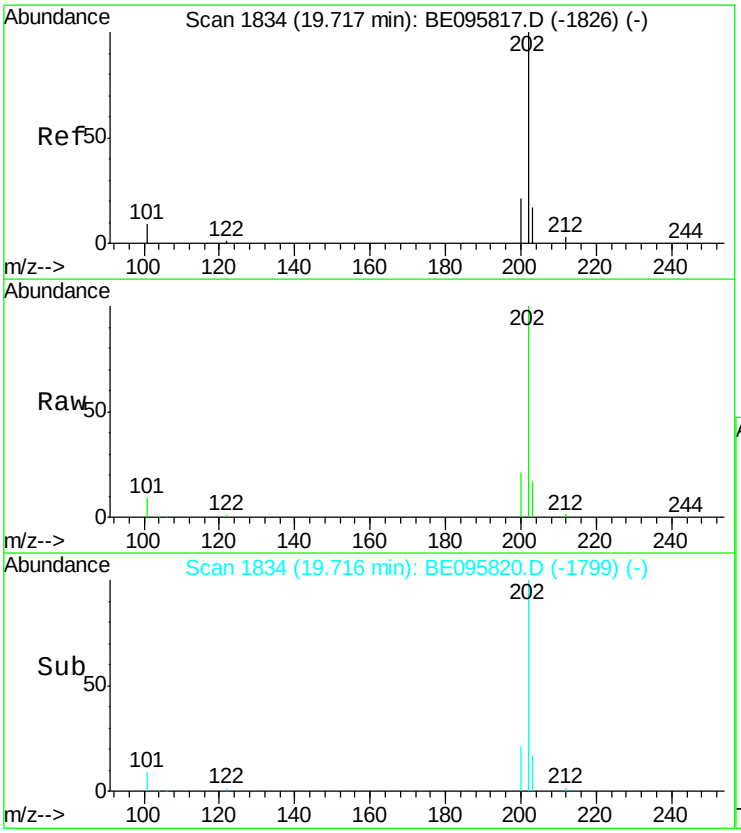
#25
Fluoranthene-d10
Concen: 3.601 ng
RT: 19.69 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 295814

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.8	4.2#
104	1.6	1.6	2.4#

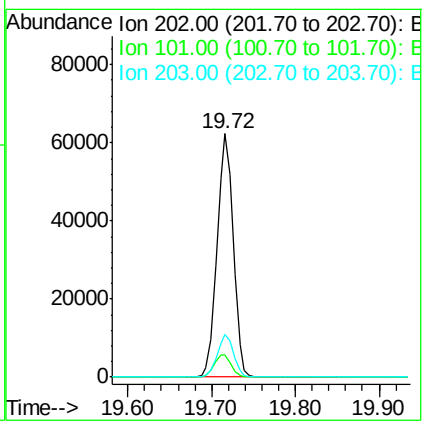


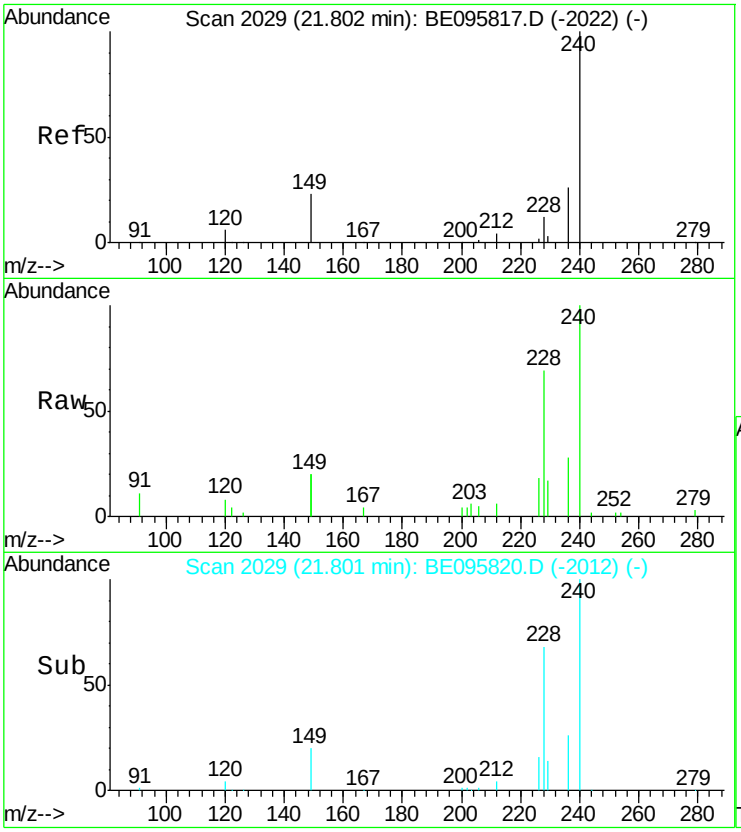


#26
Fluoranthene
Concen: 3.461 ng
RT: 19.72 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:202 Resp: 83707

Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.8	14.8#
203	17.1	13.7	20.5



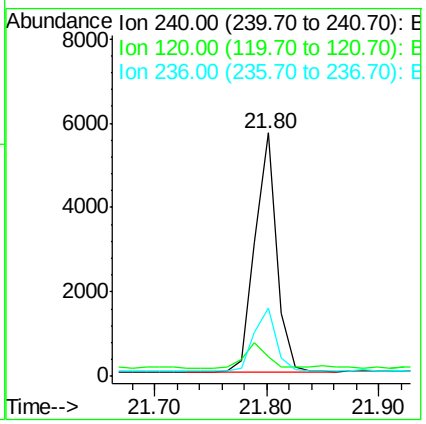


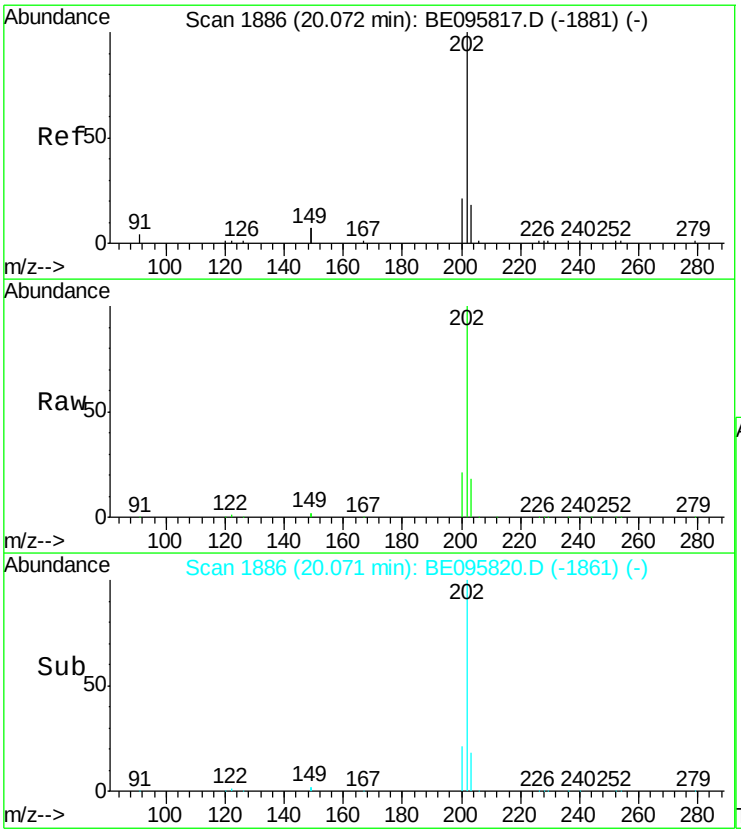
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 7670

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.5	8.3
236	27.8	20.7	31.1

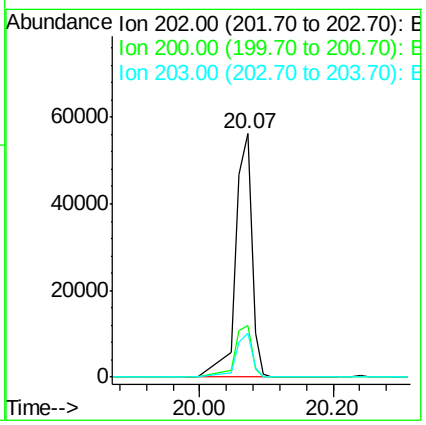


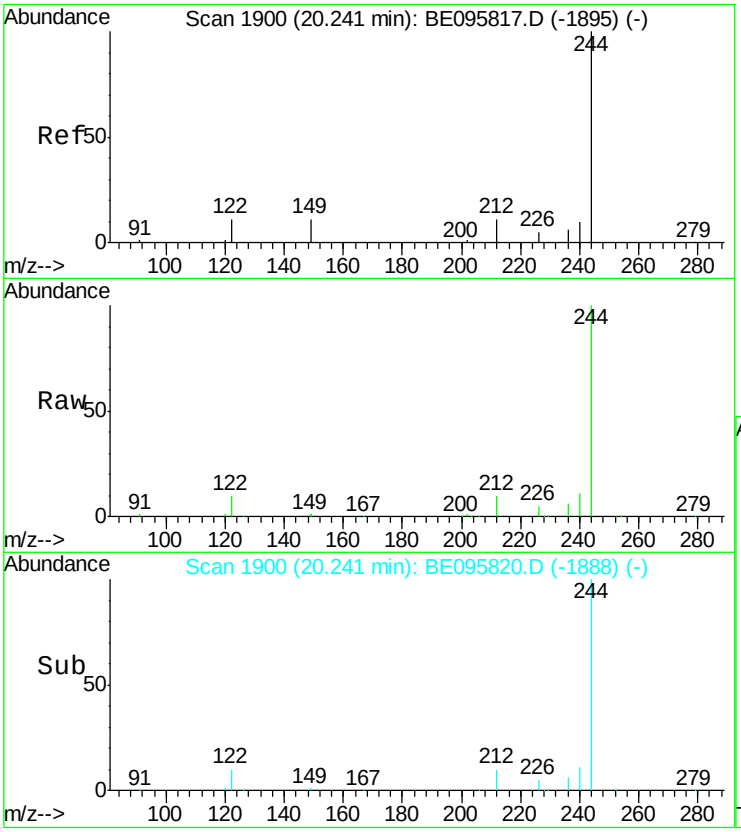


#28
Pyrene
Concen: 3.015 ng
RT: 20.07 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:202 Resp: 94578

Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.6	25.0
203	19.8	13.8	20.8



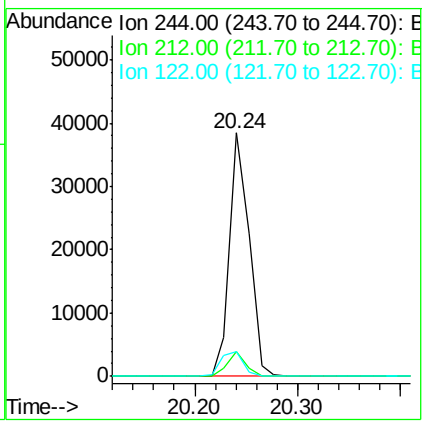


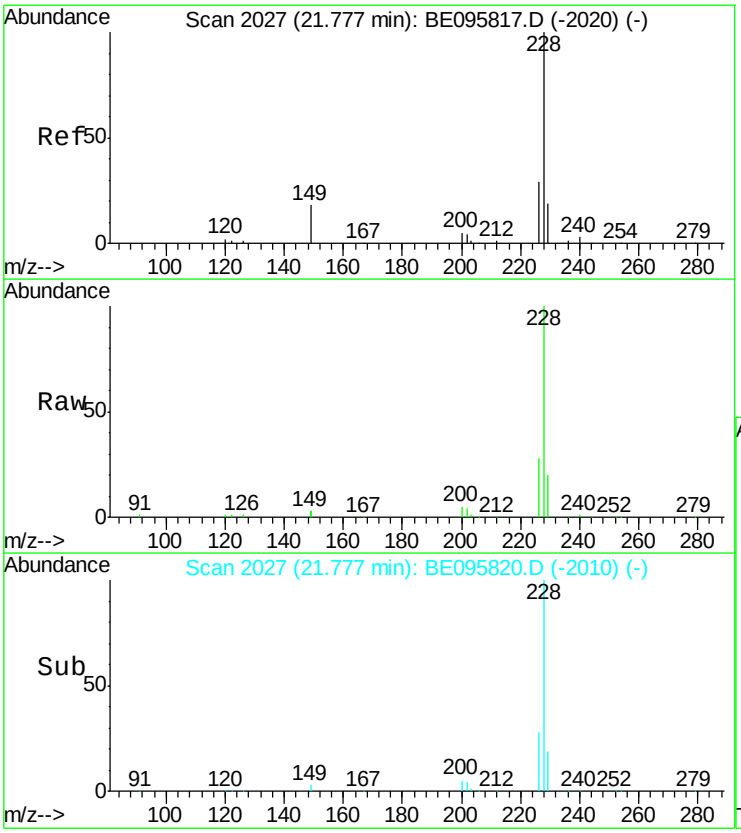
#29
Terphenyl-d14
Concen: 3.274 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 50059

Ion	Ratio	Lower	Upper
244	100		
212	10.2	25.4	38.0#
122	10.0	8.1	12.1

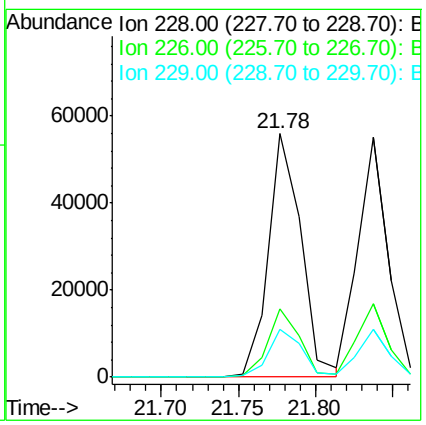


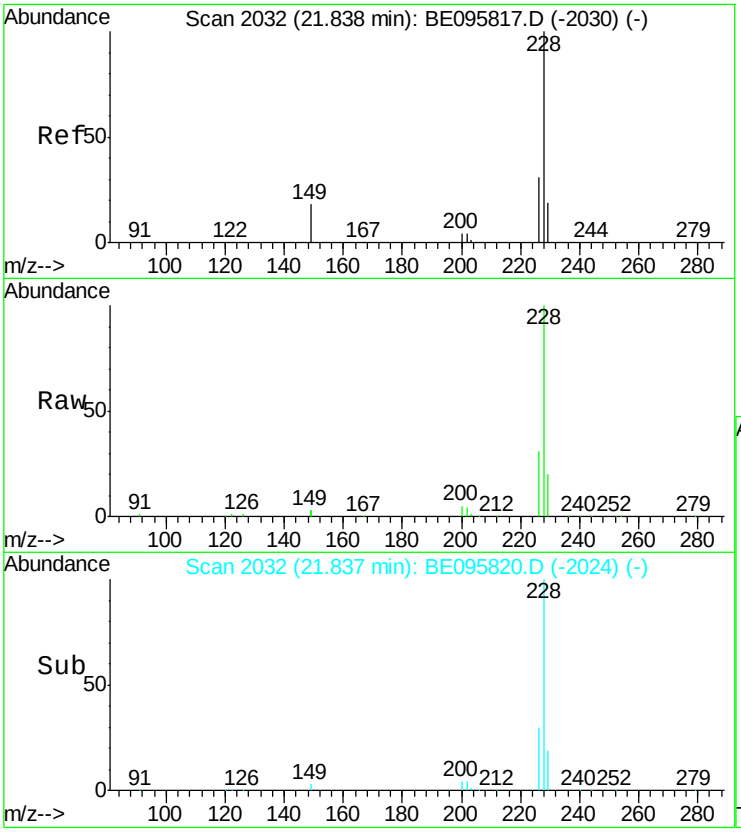


#30
Benzo(a)anthracene
Concen: 3.281 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:228 Resp: 82098

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	19.5	16.0	24.0



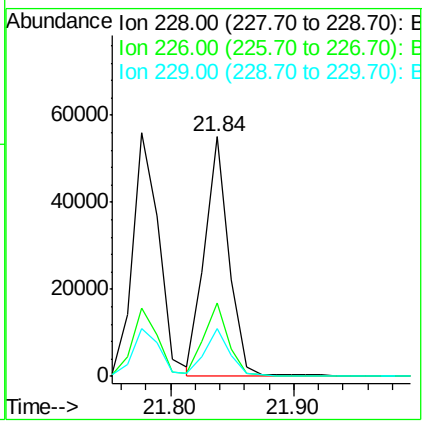


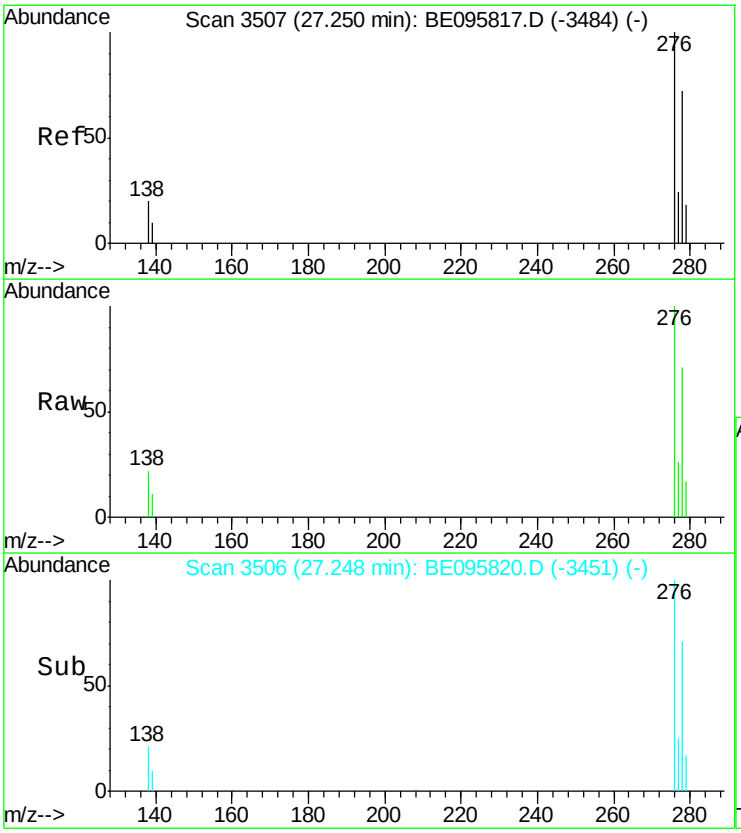
#31
Chrysene
Concen: 2.997 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 74585

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	19.8	16.0	24.0

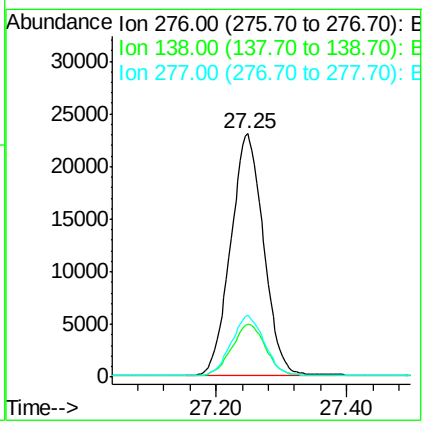


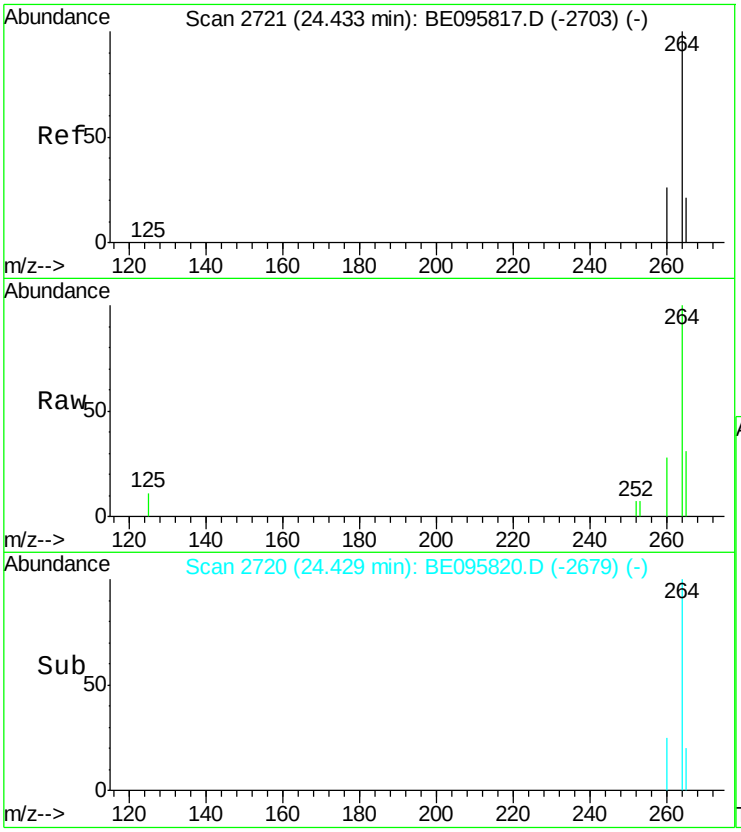


#33
Indeno(1,2,3-cd)pyrene
Concen: 3.355 ng
RT: 27.25 min Scan# 3506
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:276 Resp: 80899

Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.5	33.7#
277	25.0	19.9	29.9



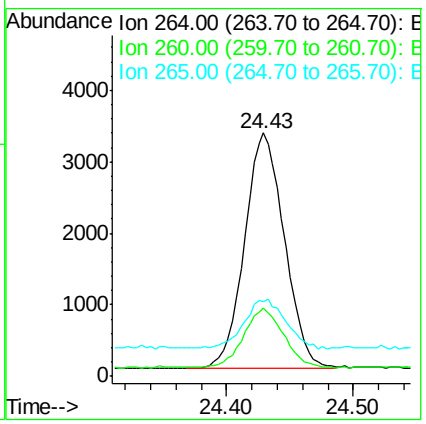


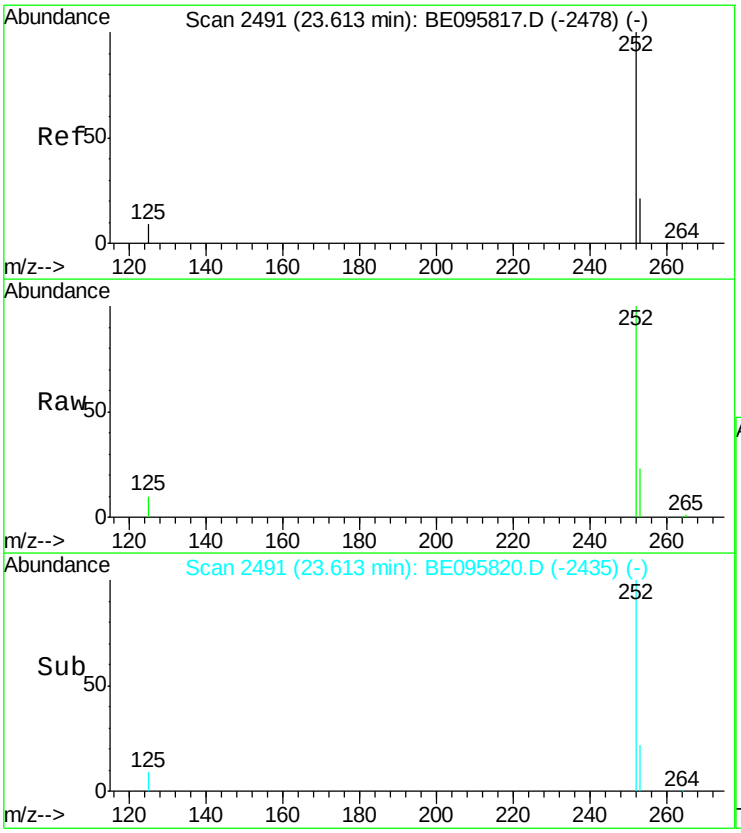
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2720
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 7208

Ion	Ratio	Lower	Upper
264	100		
260	28.2	20.5	30.7
265	30.9	22.8	34.2

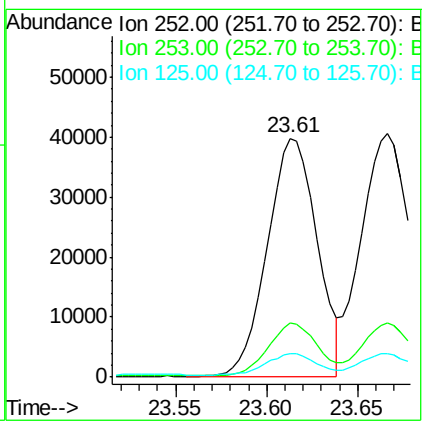


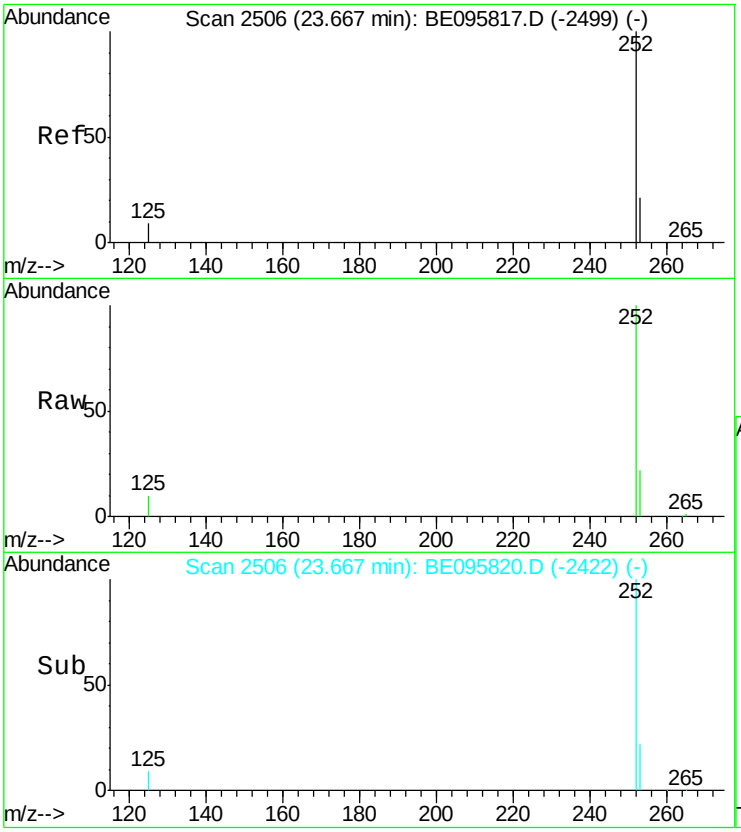


#35
Benzo(b)fluoranthene
Concen: 2.912 ng
RT: 23.61 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:252 Resp: 74760

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.0	30.0
125	9.7	16.0	24.0#



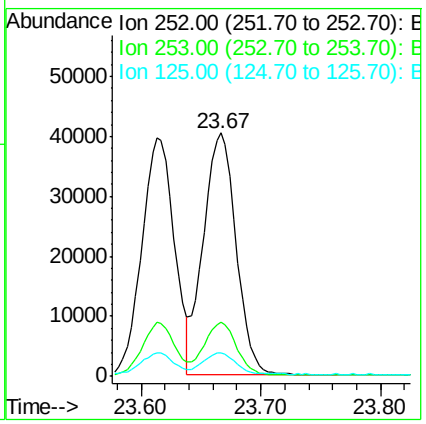


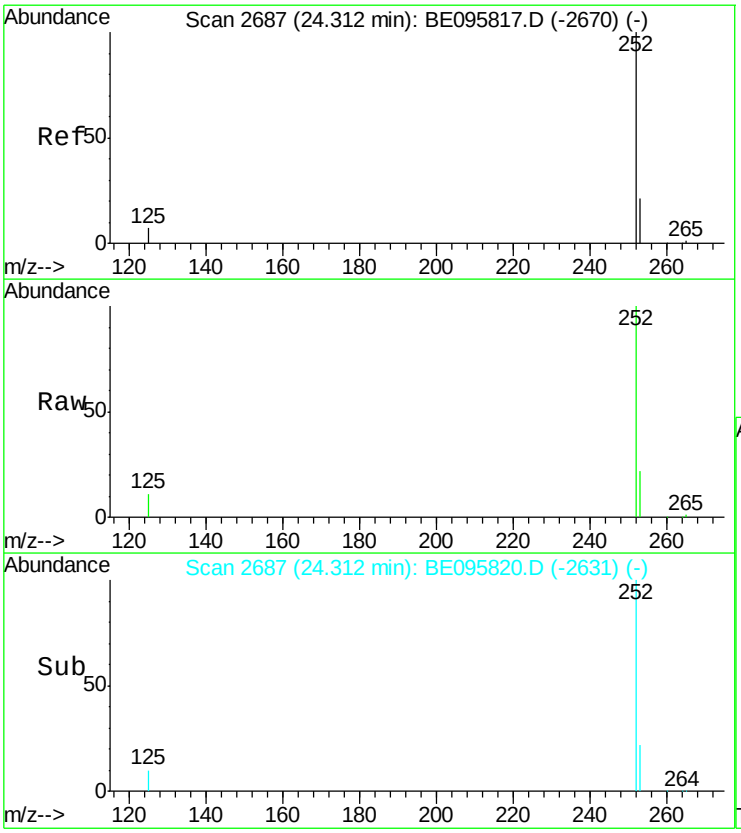
#36
Benzo(k)fluoranthene
Concen: 3.001 ng
RT: 23.67 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 76636

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.0	24.0
125	9.7	8.0	12.0

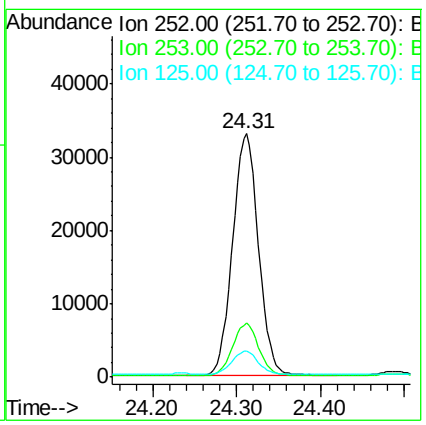


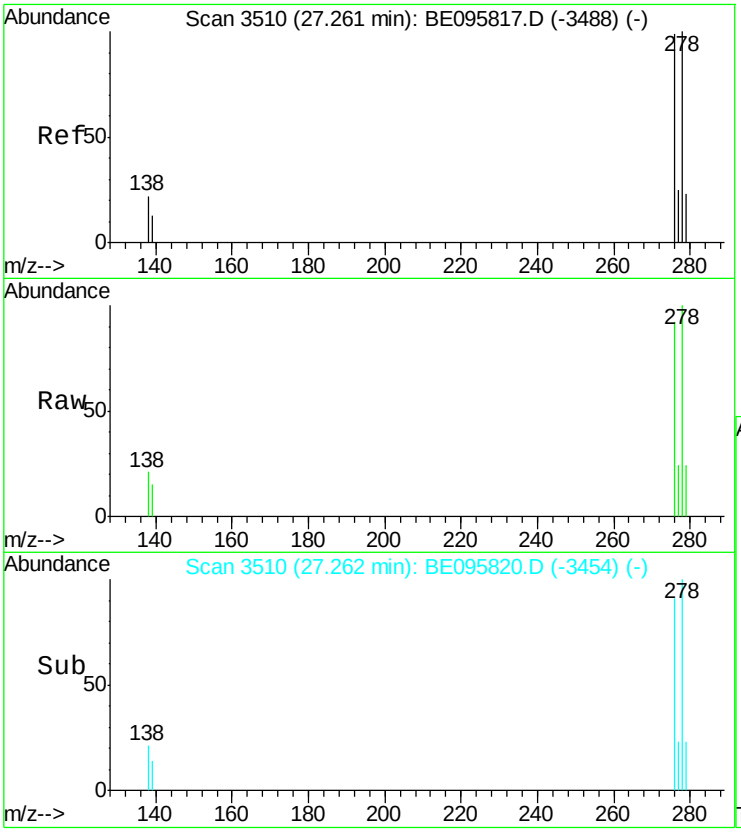


#37
Benzo(a)pyrene
Concen: 3.065 ng
RT: 24.31 min Scan# 2687
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:252 Resp: 70925

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.0	24.0
125	10.9	12.0	18.0#



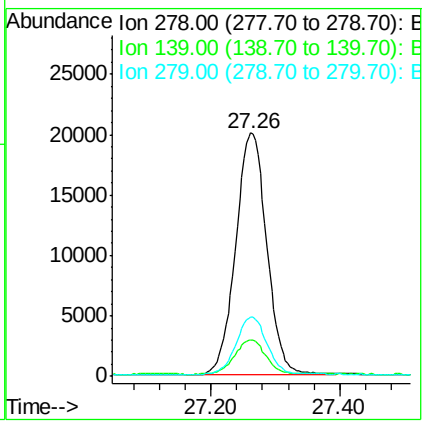


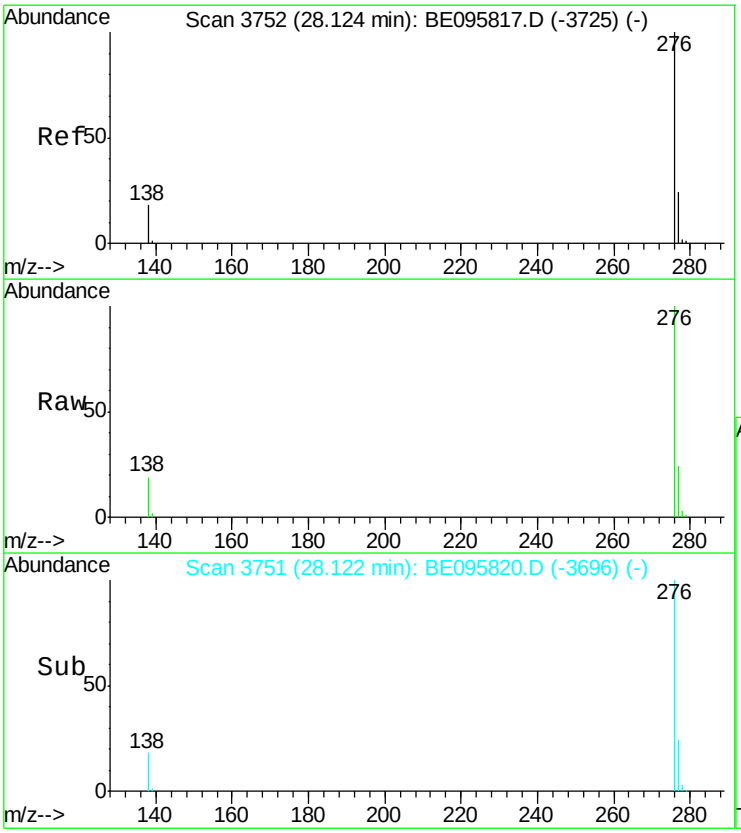
#38
Dibenzo(a,h)anthracene
Concen: 3.292 ng
RT: 27.26 min Scan# 3510
Delta R.T. 0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 67795

Ion	Ratio	Lower	Upper
278	100		
139	14.8	16.0	24.0#
279	24.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 3.022 ng
RT: 28.12 min Scan# 3751
Delta R.T. -0.00 min
Lab File: BE095820.D
Acq: 23 Mar 2018 11:45

Tgt Ion:276 Resp: 66680

Ion	Ratio	Lower	Upper
276	100		
277	24.1	16.0	24.0#
138	18.9	20.0	30.0#