Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
Data File : BE095695.D
Acq On : 26 Feb 2018 18:54
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Feb 27 00:46:37 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1416	0.40	ng		-0.01
7) Naphthalene-d8	11.28	136	5721	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	3502	0.40	ng		0.00
19) Phenanthrene-d10	17.70	188	7892	0.40	ng		0.00
27) Chrysene-d12	21.79	240	8131	0.40	ng		0.00
34) Perylene-d12	24.42	264	7507	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	1528	0.41	ng		0.00
5) Phenol-d6	7.55	99	2173	0.42	ng		0.00
8) Nitrobenzene-d5	9.61	82	2300	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	3884	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	495	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	5881	0.38	ng		0.00
25) Fluoranthene-d10	19.69	212	39083	0.38	ng		0.00
29) Terphenyl-d14	20.25	244	6311	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.65	88	930	0.417	ng	#	92
3) n-Nitrosodimethylamine	3.99	42	1116	0.404	ng	#	84
6) bis(2-Chloroethyl)ether	7.82	93	2220	0.418	ng		92
9) Naphthalene	11.31	128	26598	0.403	ng		99
10) Hexachlorobutadiene	11.57	225	1566	0.407	ng		98
12) 2-Methylnaphthalene	12.88	142	4592	0.404	ng		100
16) Acenaphthylene	14.74	152	7284	0.370	ng		99
17) Acenaphthene	15.06	154	4704	0.381	ng		96
18) Fluorene	16.02	166	5820	0.380	ng	#	78
20) 4-Bromophenyl-phenylether	16.89	248	1895	0.383	ng	#	79
21) Hexachlorobenzene	17.03	284	1921	0.375	ng	#	83
22) Pentachlorophenol	17.36	266	449	0.417	ng	#	80
23) Phenanthrene	17.74	178	9472	0.384	ng		98
24) Anthracene	17.83	178	8557	0.378	ng		95
26) Fluoranthene	19.72	202	11398	0.376	ng		97
28) Pyrene	20.06	202	12914	0.388	ng		97
30) Benzo(a)anthracene	21.78	228	10308	0.389	ng		98
31) Chrysene	21.84	228	10079	0.382	ng		99
32) Bis(2-ethylhexyl)phthalate	21.65	149	18410	0.392	ng		99
33) Indeno(1,2,3-cd)pyrene	27.23	276	10460	0.409	ng	#	93
35) Benzo(b)fluoranthene	23.61	252	10111	0.378	ng	#	89
36) Benzo(k)fluoranthene	23.66	252	10117	0.380	ng		94
37) Benzo(a)pyrene	24.30	252	9377	0.389	ng		93
38) Dibenzo(a,h)anthracene	27.25	278	8413	0.392	ng		97
39) Benzo(g,h,i)perylene	28.10	276	8670	0.377	ng	#	91

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

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Misc :
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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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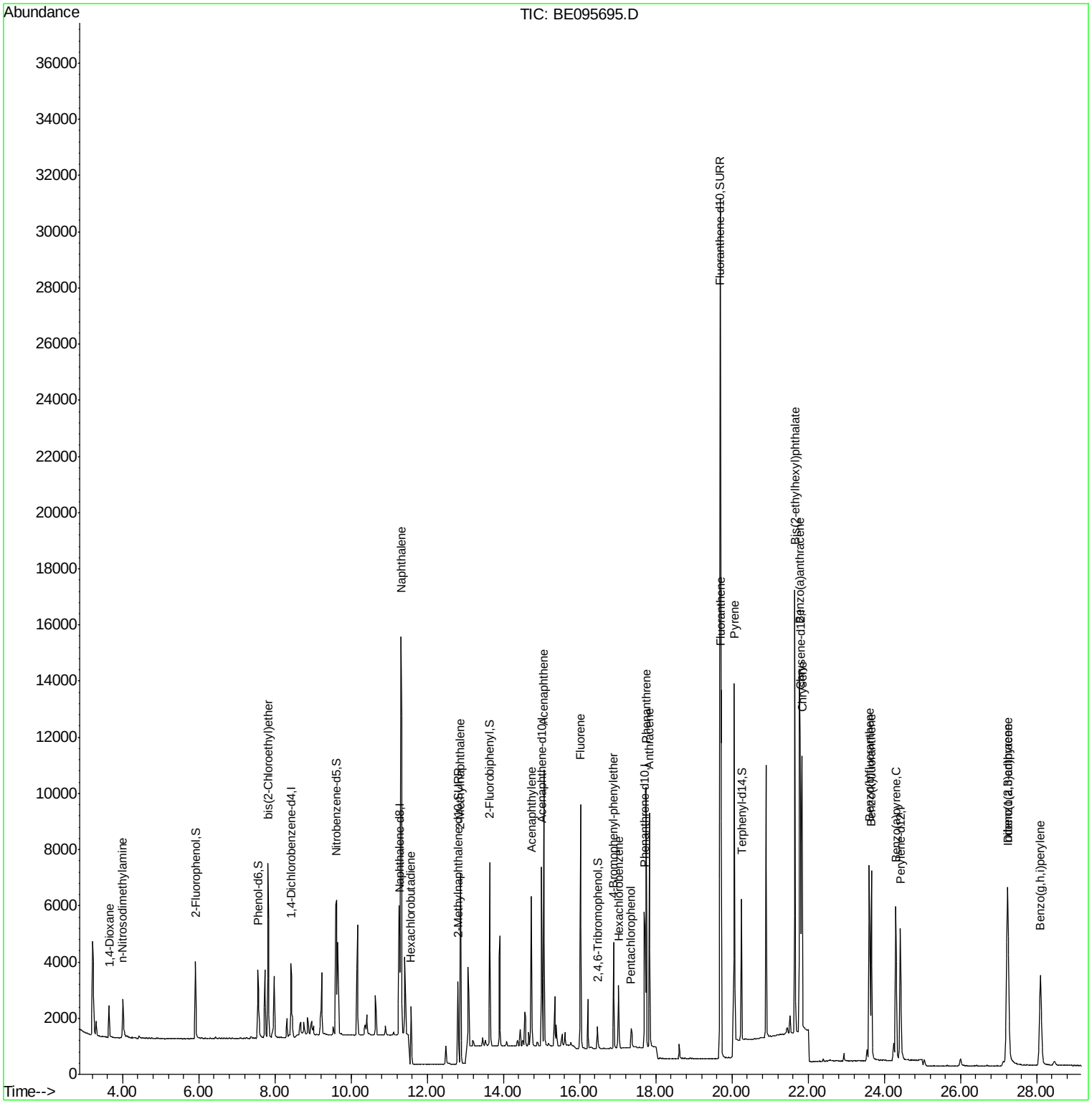
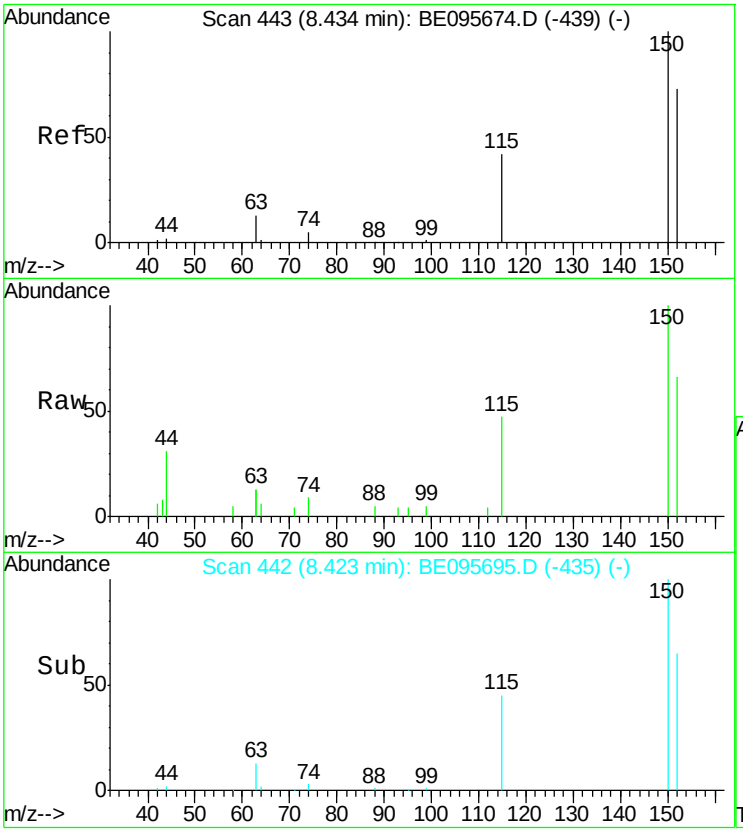
Response via : Initial Calibration



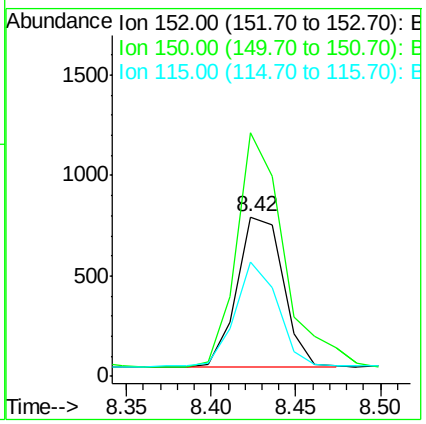


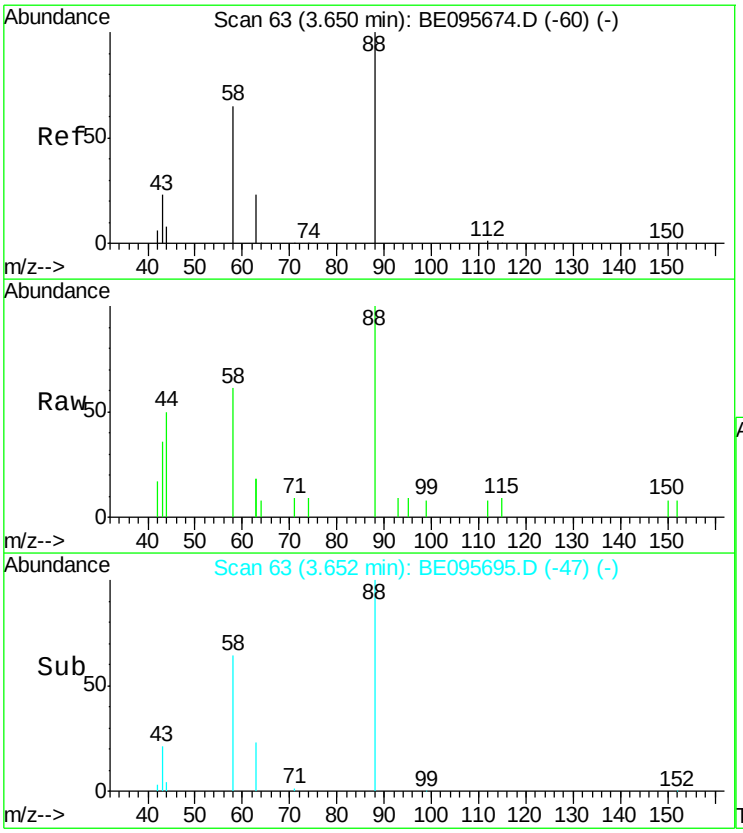
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1416

Ion	Ratio	Lower	Upper
152	100		
150	152.6	117.2	175.8
115	71.4	57.0	85.6

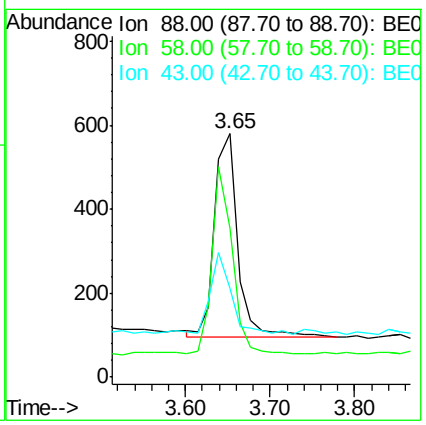


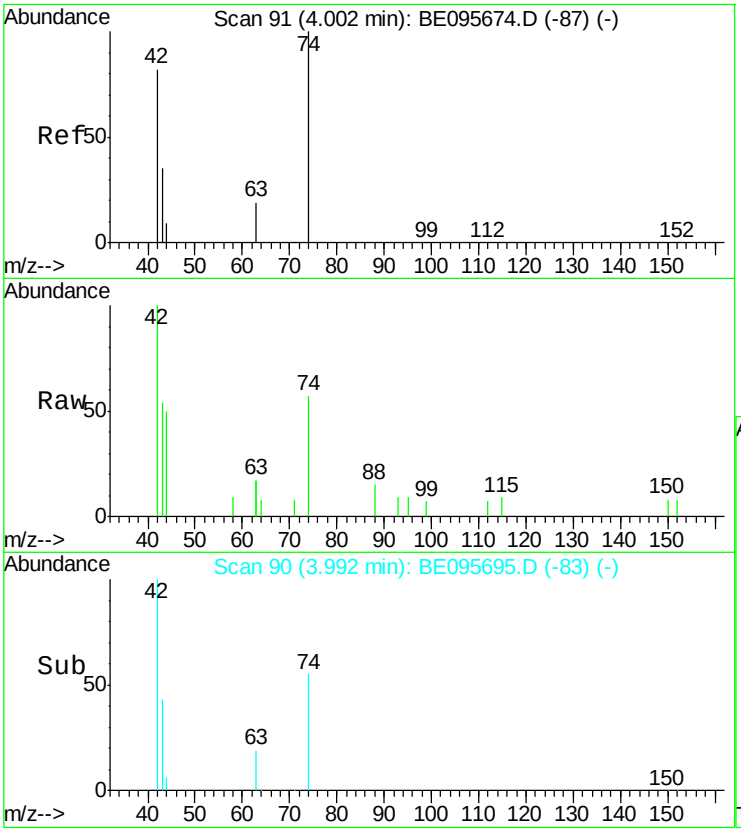


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion: 88 Resp: 930

Ion	Ratio	Lower	Upper
88	100		
58	78.6	63.2	94.8
43	38.6	41.2	61.8#



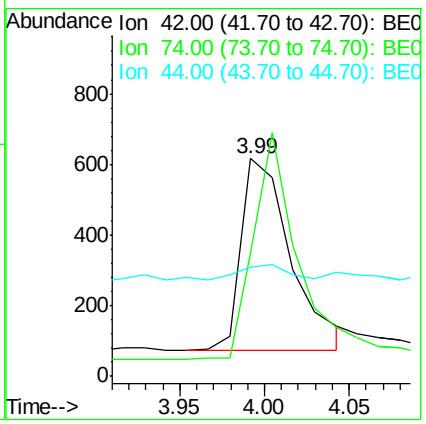


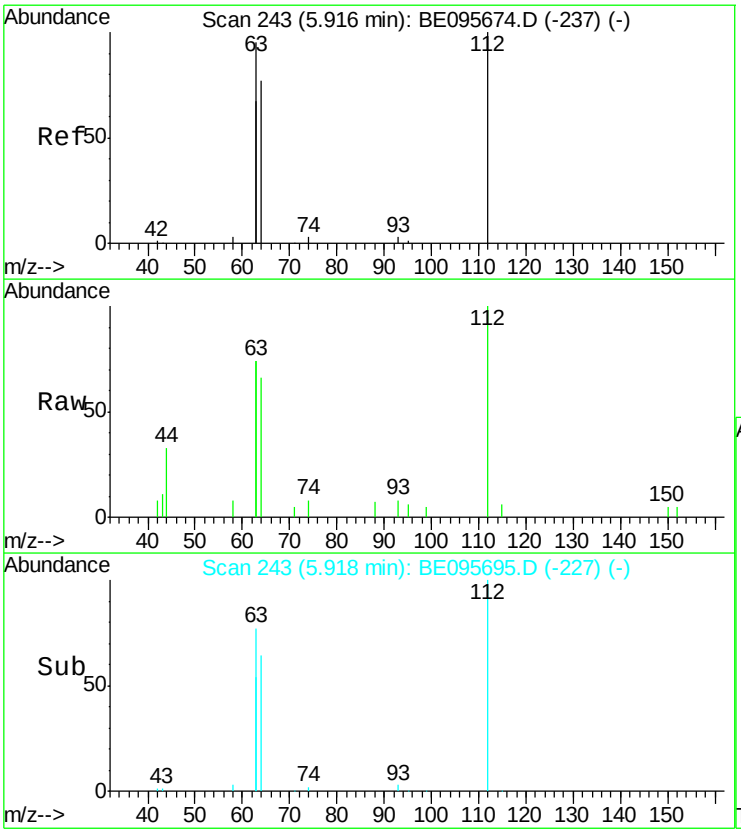
#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.99 min Scan# 90
Delta R.T. -0.01 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1116

Ion	Ratio	Lower	Upper
42	100		
74	102.2	96.0	144.0
44	7.4	12.0	18.0#

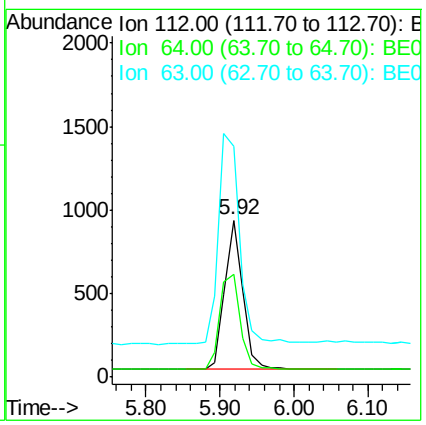


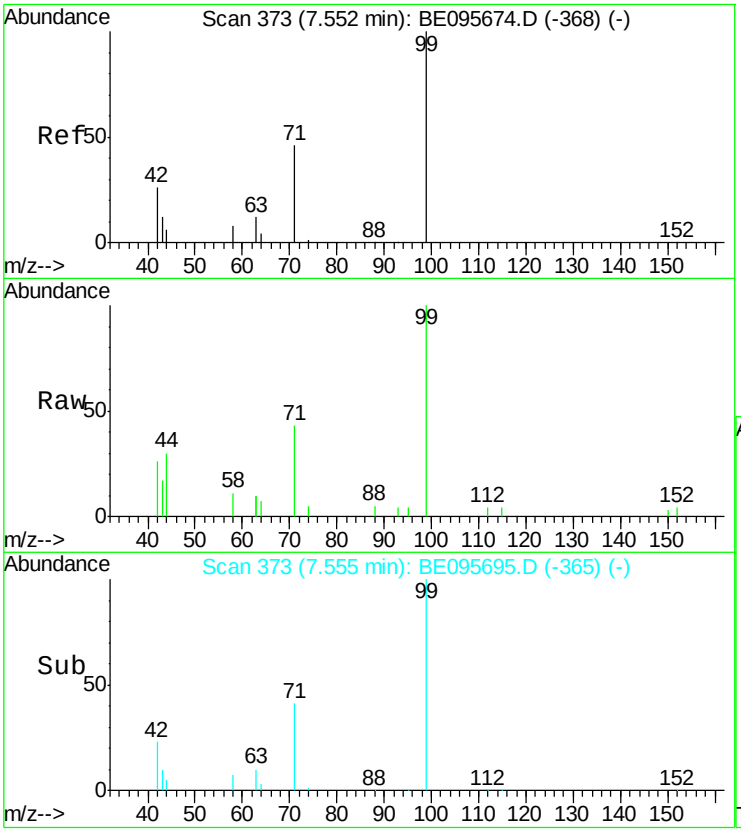


#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:112 Resp: 1528

Ion	Ratio	Lower	Upper
112	100		
64	73.5	60.1	90.1
63	163.8	116.8	175.2



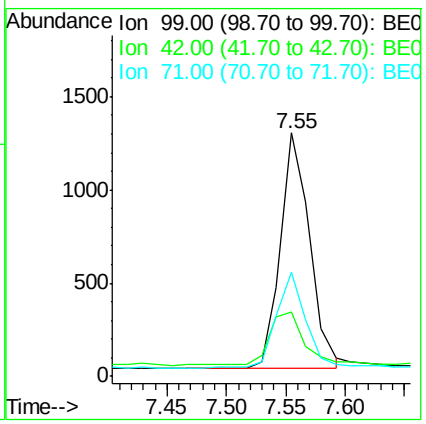


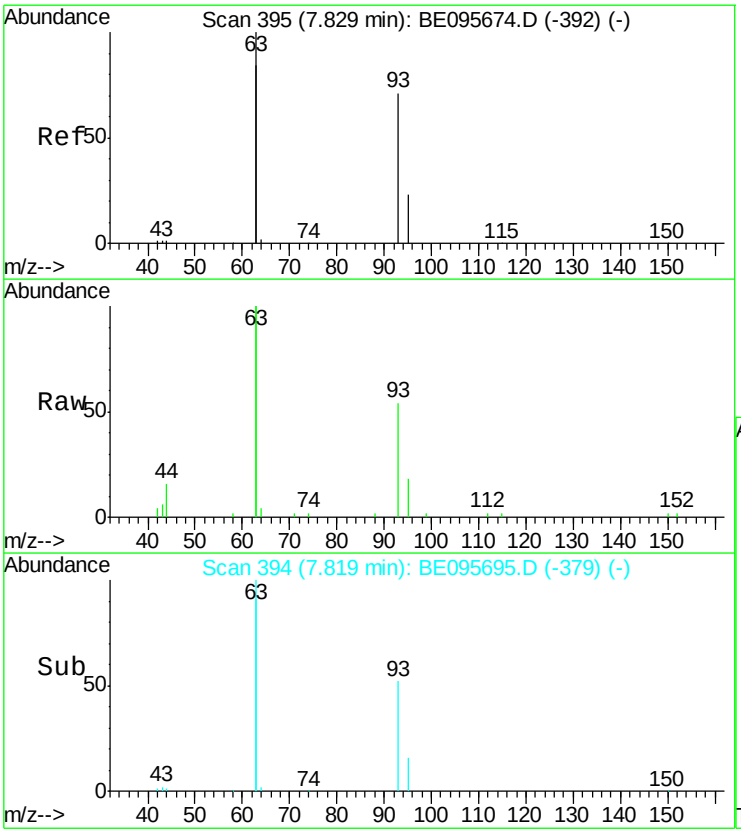
#5
Phenol-d6
Concen: 0.420 ng
RT: 7.55 min Scan# 373
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2173

Ion	Ratio	Lower	Upper
99	100		
42	26.1	20.2	30.2
71	40.0	28.4	42.6

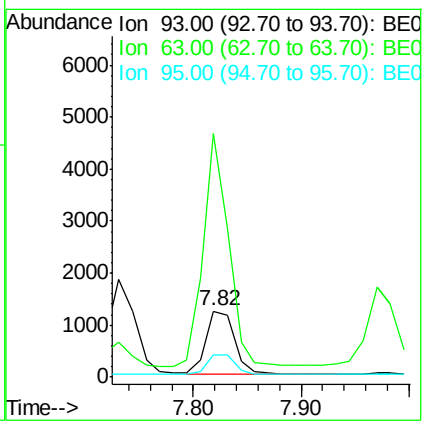


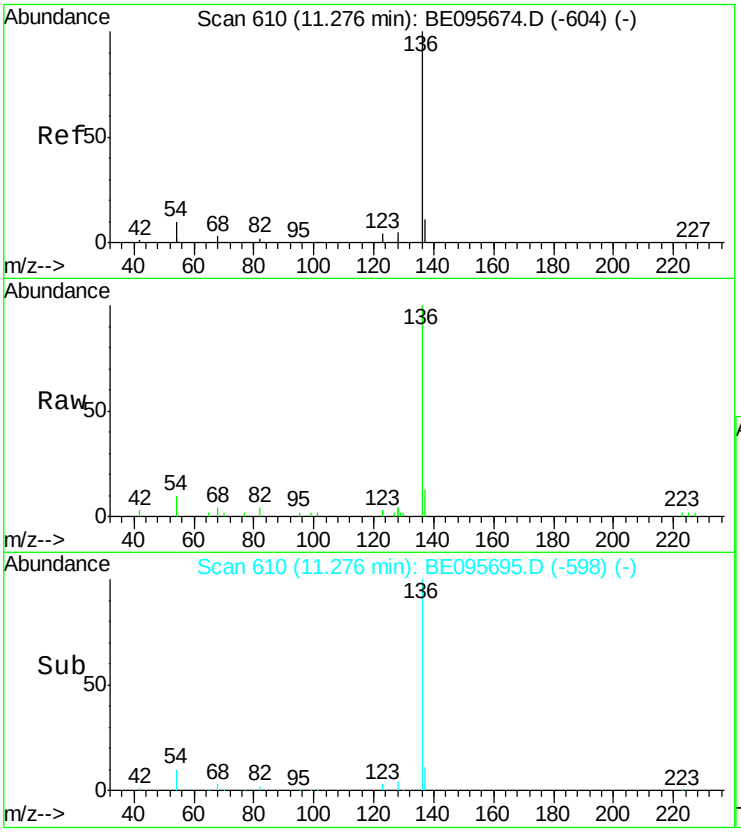


#6
bis(2-Chloroethyl)ether
Concen: 0.418 ng
RT: 7.82 min Scan# 394
Delta R.T. -0.01 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion: 93 Resp: 2220

Ion	Ratio	Lower	Upper
93	100		
63	325.0	275.3	412.9
95	32.3	25.2	37.8



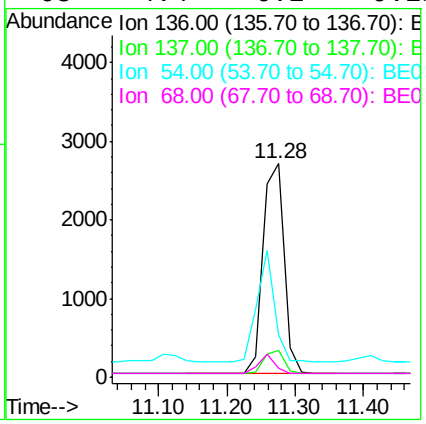


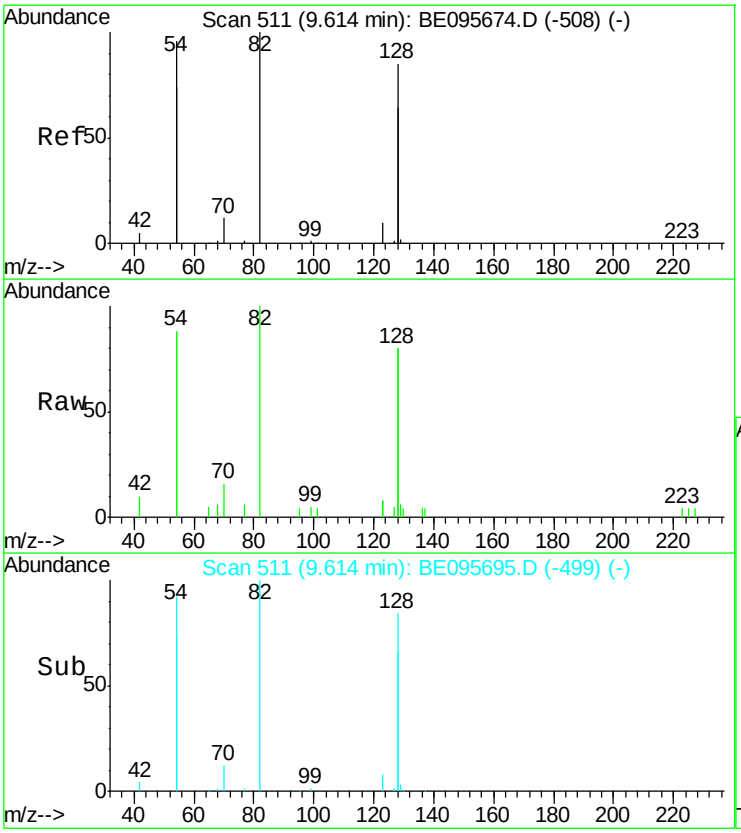
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.28 min Scan# 610
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 5721

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	19.9	29.1	43.7#
68	4.4	6.2	9.2#

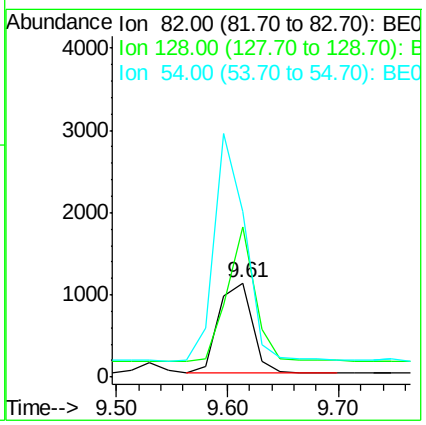


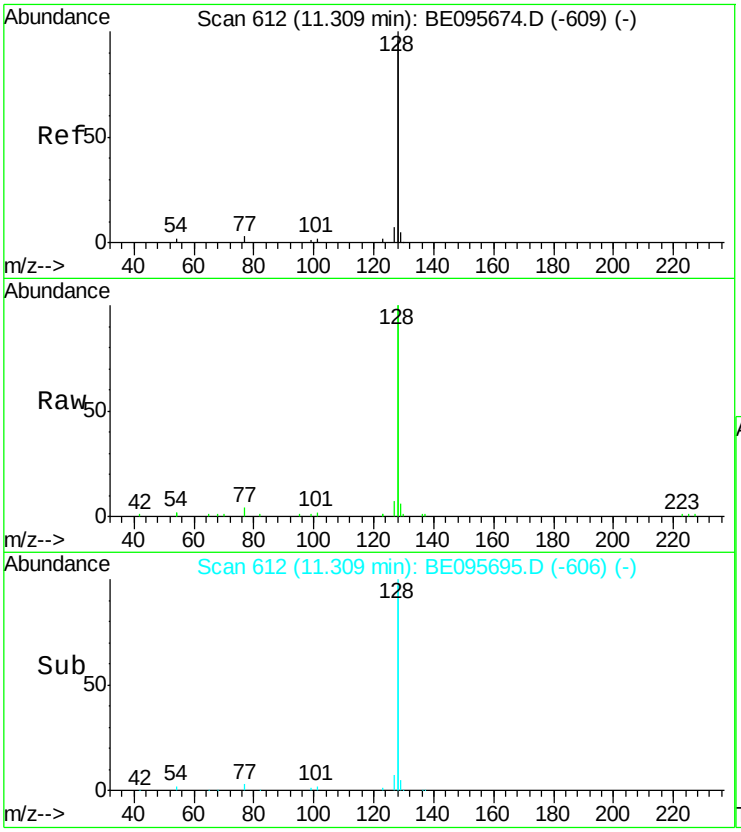


#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 9.61 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion: 82 Resp: 2300

Ion	Ratio	Lower	Upper
82	100		
128	159.9	150.0	225.0
54	176.3	154.2	231.4



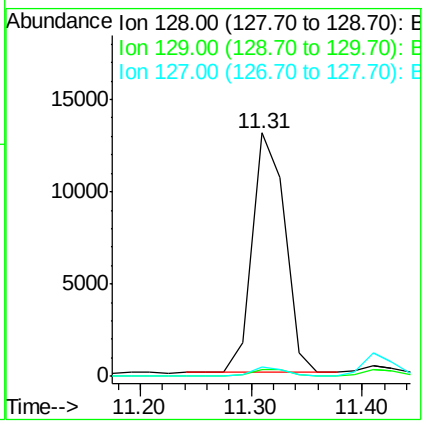


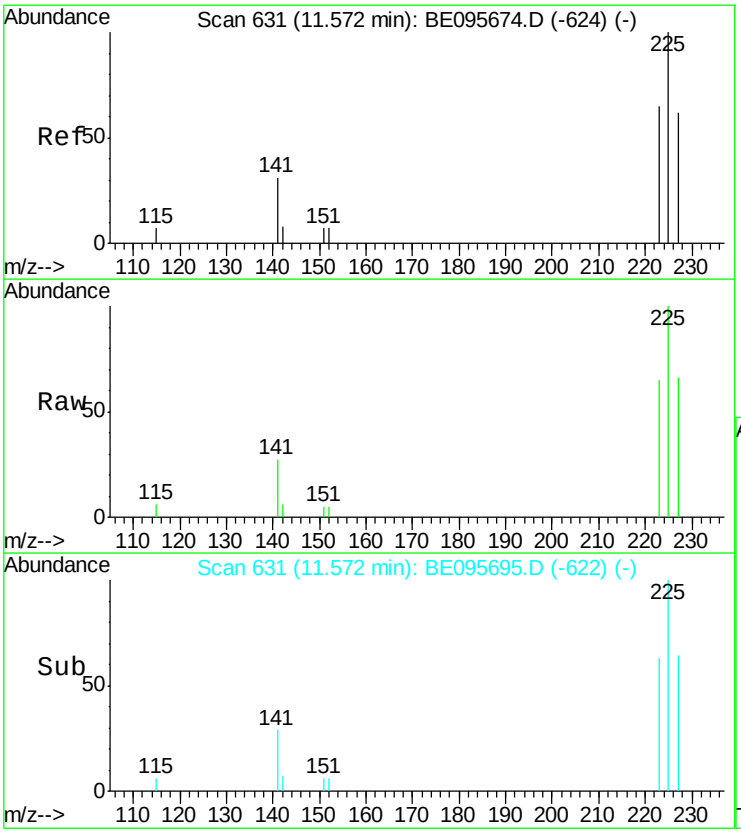
#9
Naphthalene
Concen: 0.403 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 26598

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.7	2.8	4.2

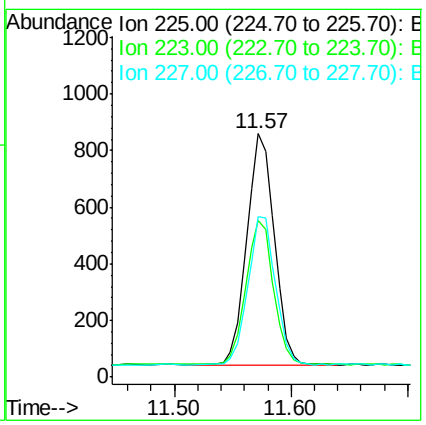


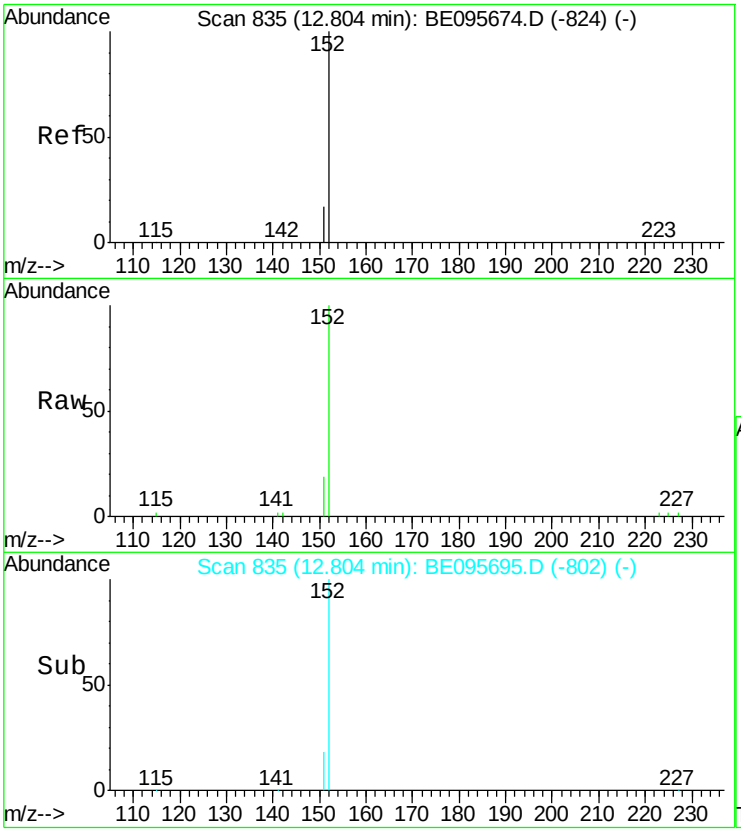


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 11.57 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:225 Resp: 1566

Ion	Ratio	Lower	Upper
225	100		
223	64.0	53.0	79.6
227	65.8	51.4	77.2



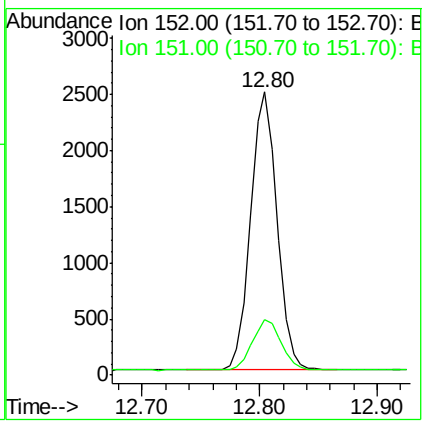


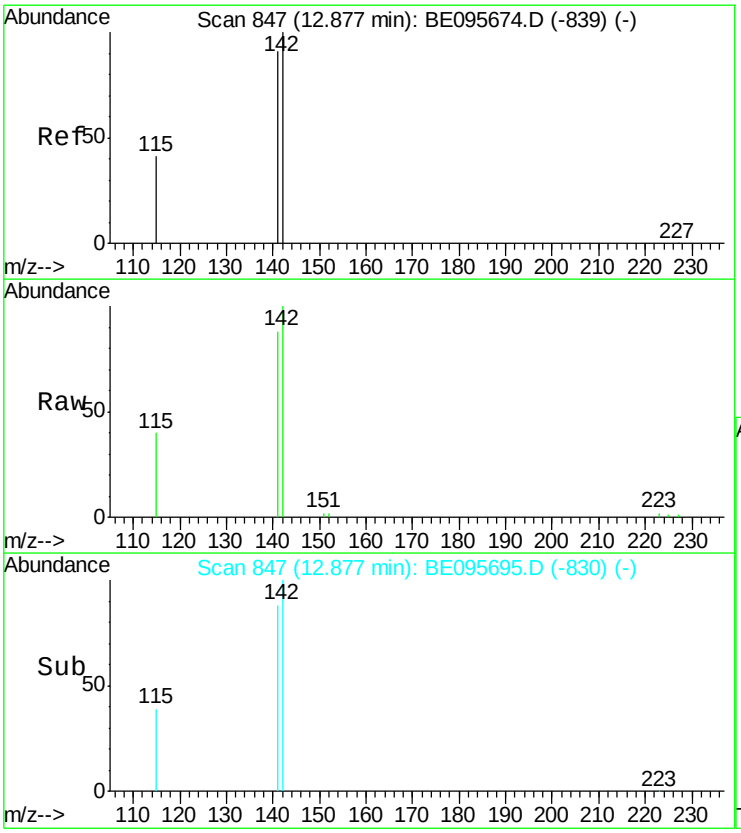
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.80 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3884

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0

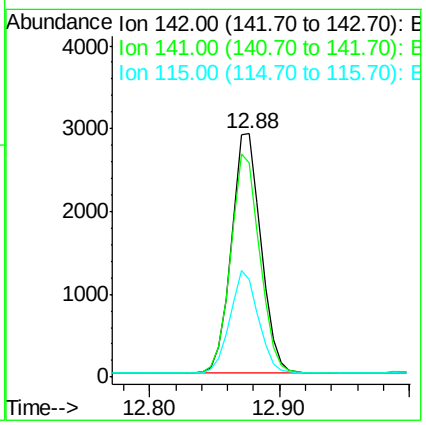


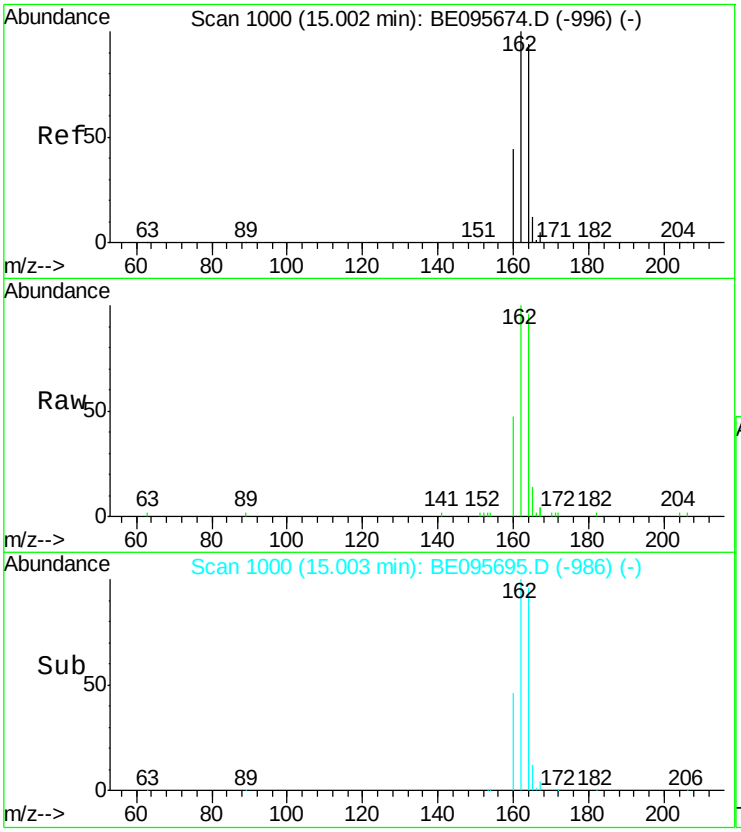


#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 12.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:142 Resp: 4592

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.4	105.6
115	40.1	31.7	47.5



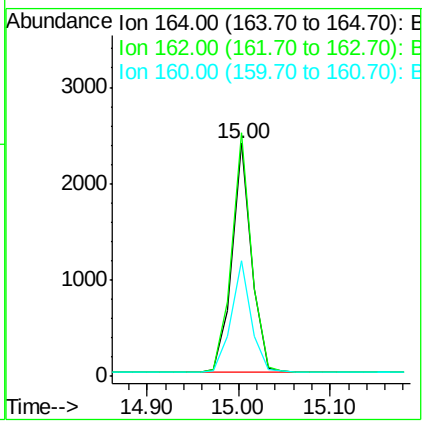


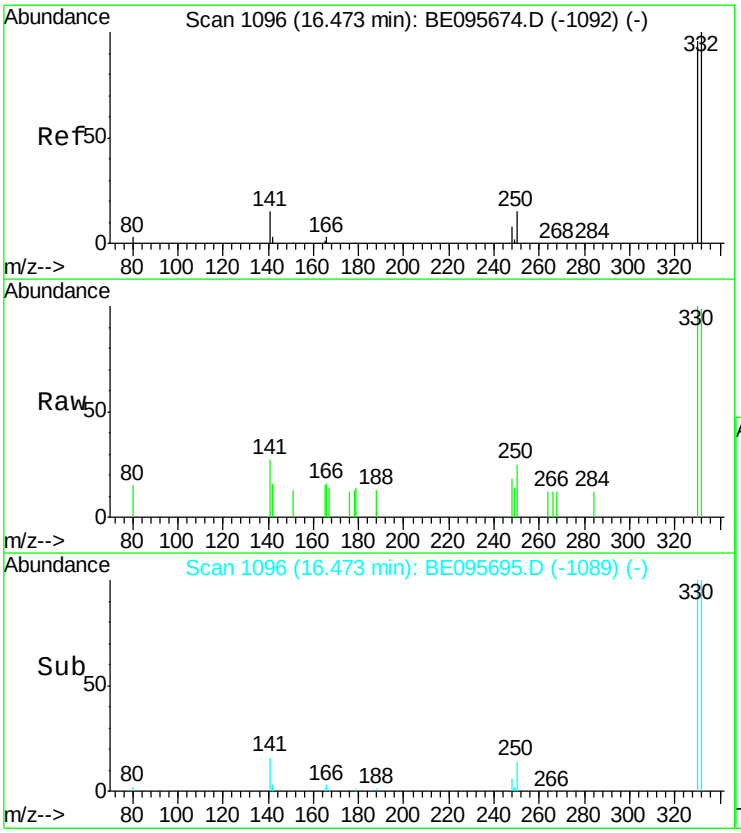
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 3502

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.1	124.7
160	49.5	37.1	55.7

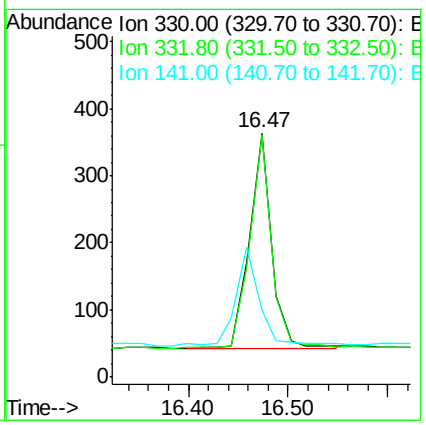


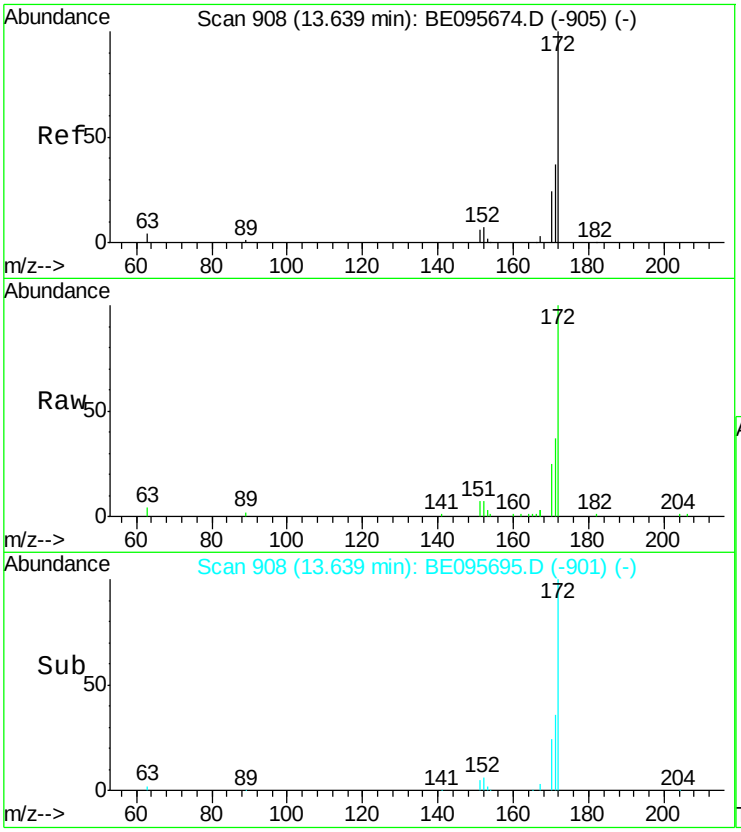


#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:330 Resp: 495

Ion	Ratio	Lower	Upper
330	100		
332	96.4	152.7	229.1#
141	46.5	33.7	50.5



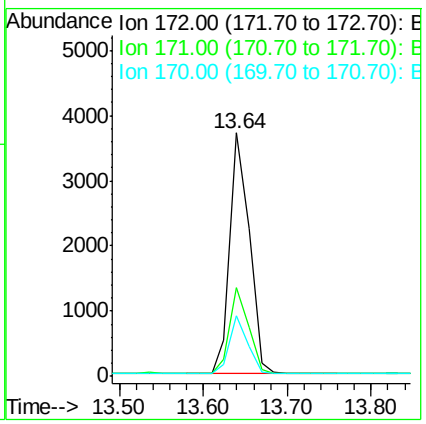


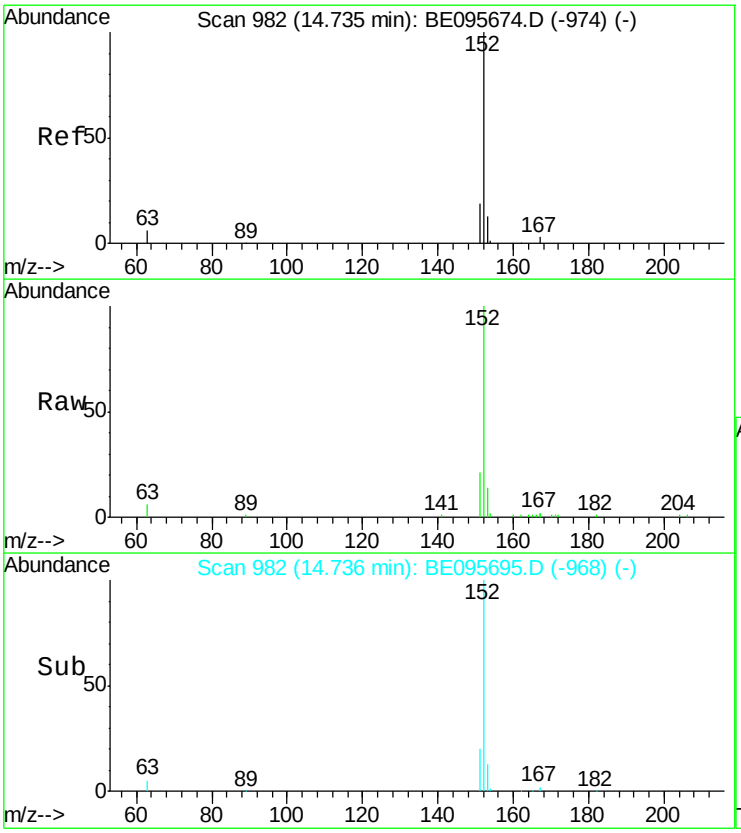
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 13.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 5881

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	25.0	21.8	32.8

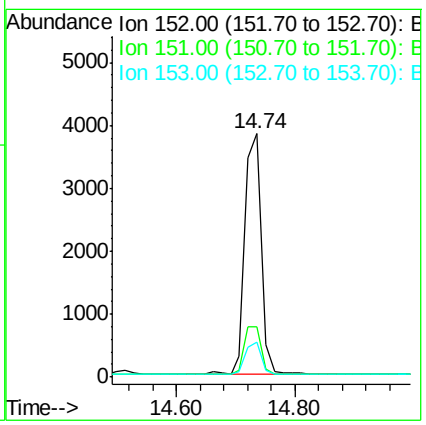


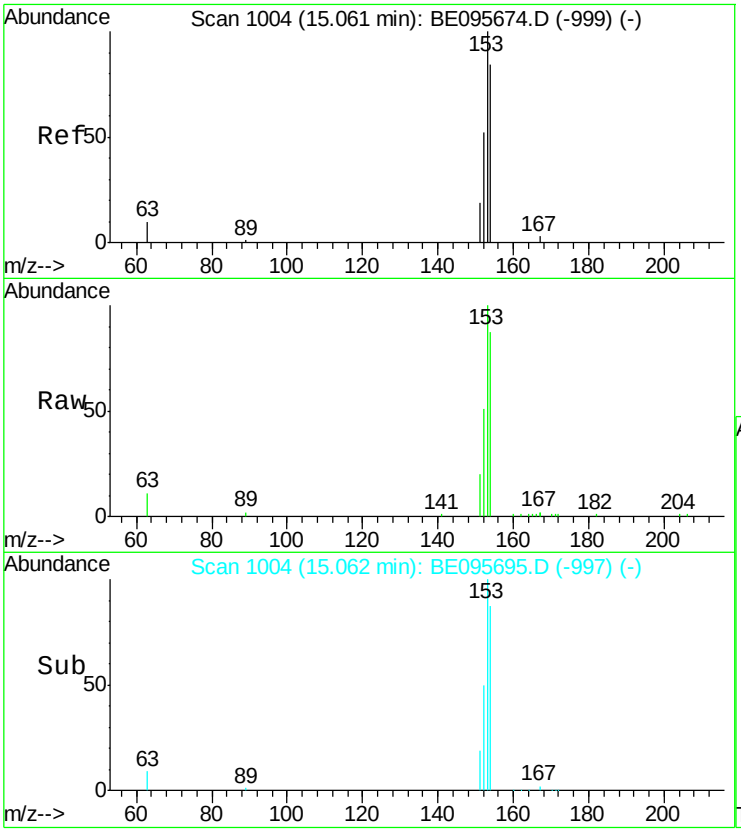


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.74 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:152 Resp: 7284

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	13.0	10.5	15.7



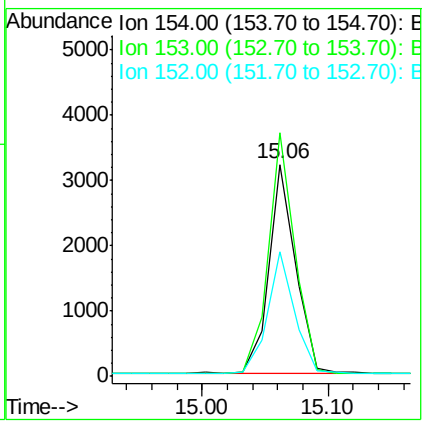


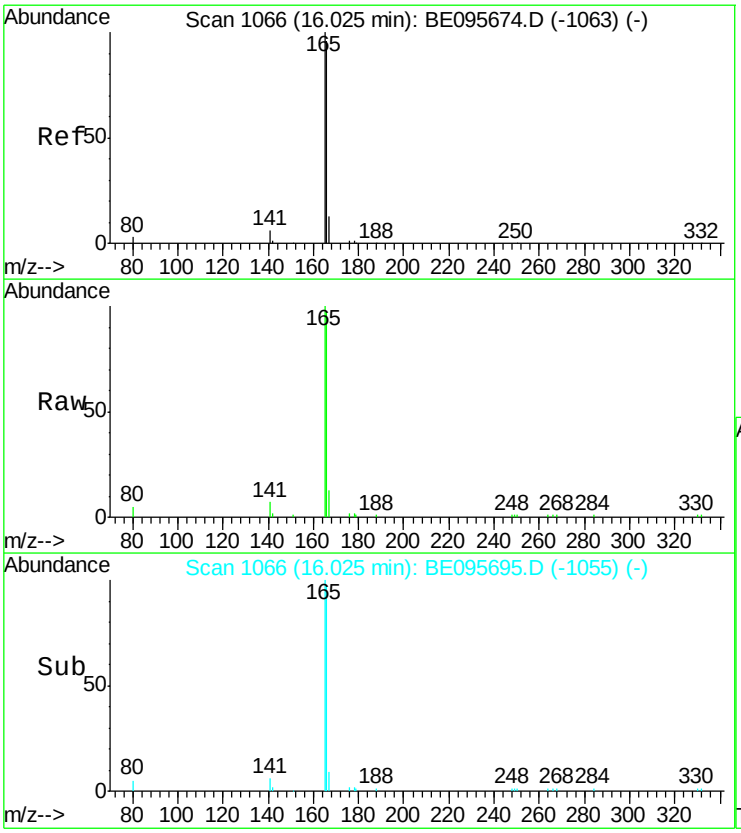
#17
Acenaphthene
Concen: 0.381 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 4704

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.2	133.8
152	58.4	42.0	63.0

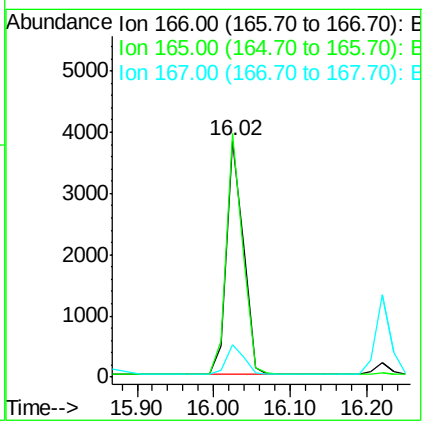


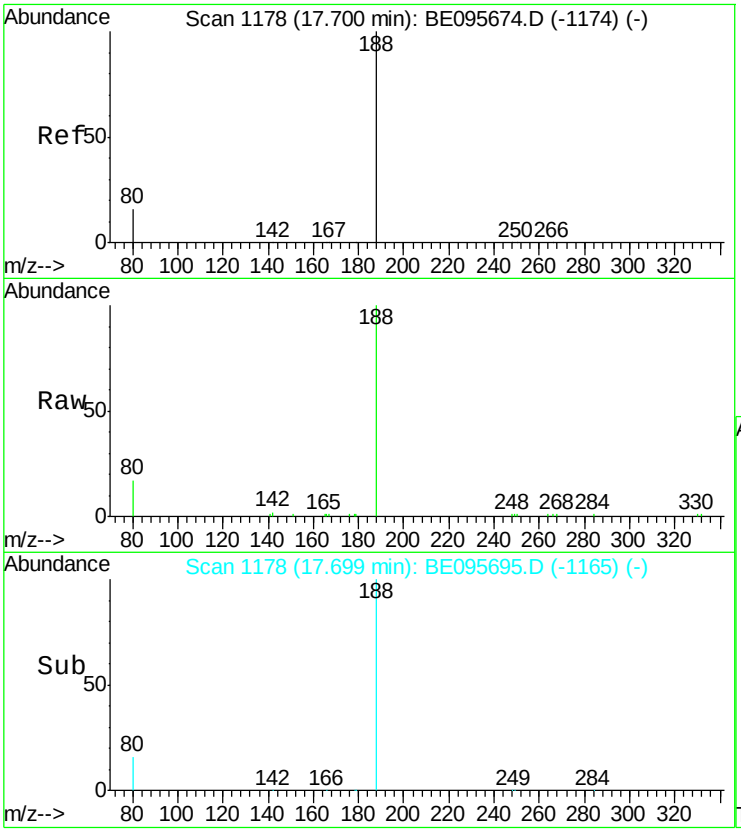


#18
Fluorene
Concen: 0.380 ng
RT: 16.02 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:166 Resp: 5820

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.8	116.6
167	13.1	42.4	63.6#



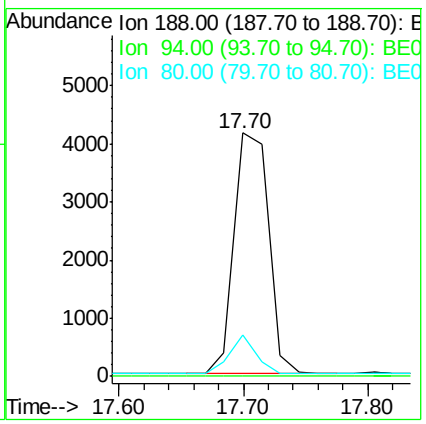


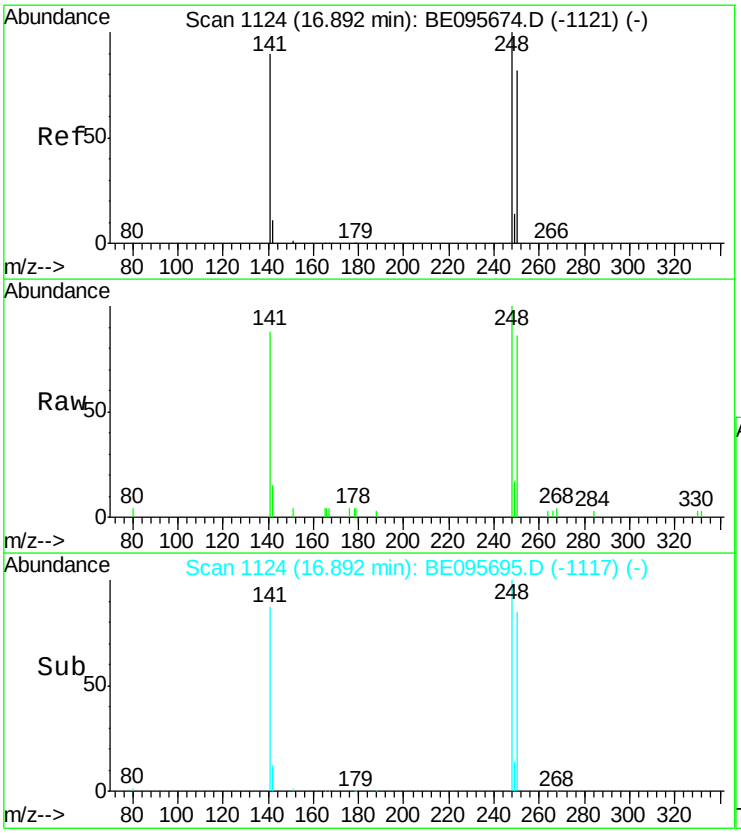
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.70 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 7892

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	17.2	3.6	5.4#

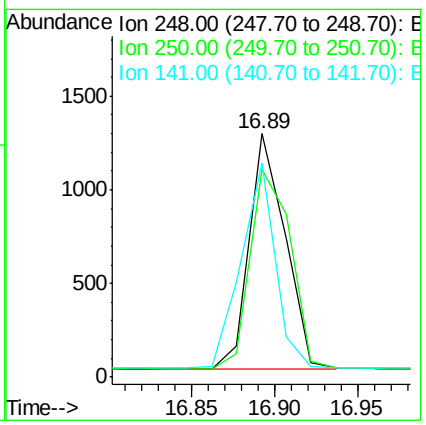


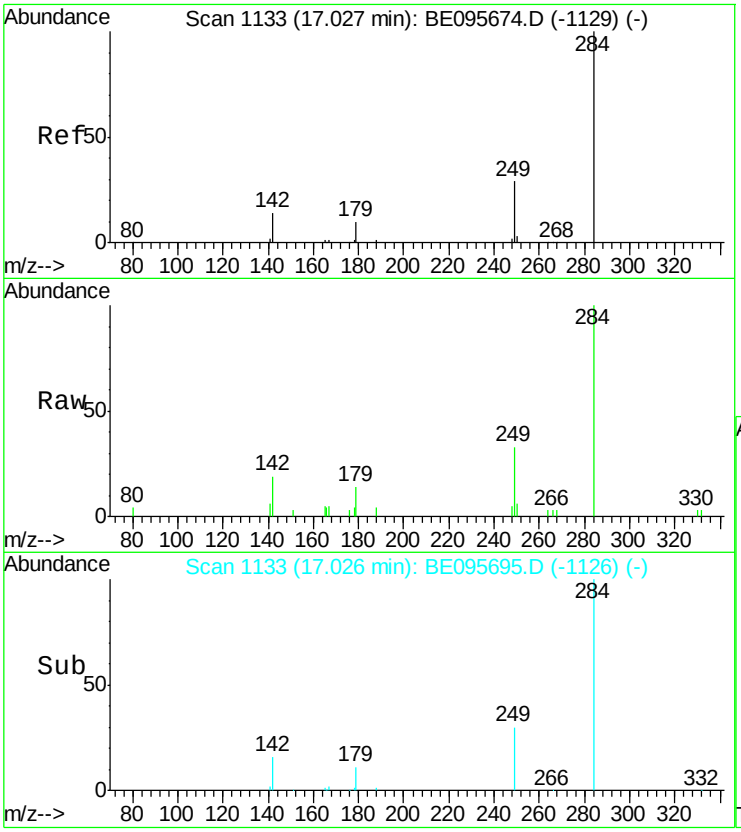


#20
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:248 Resp: 1895

Ion	Ratio	Lower	Upper
248	100		
250	85.5	62.7	94.1
141	88.0	48.2	72.2#



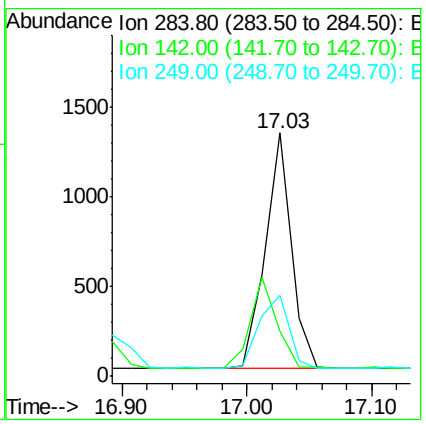


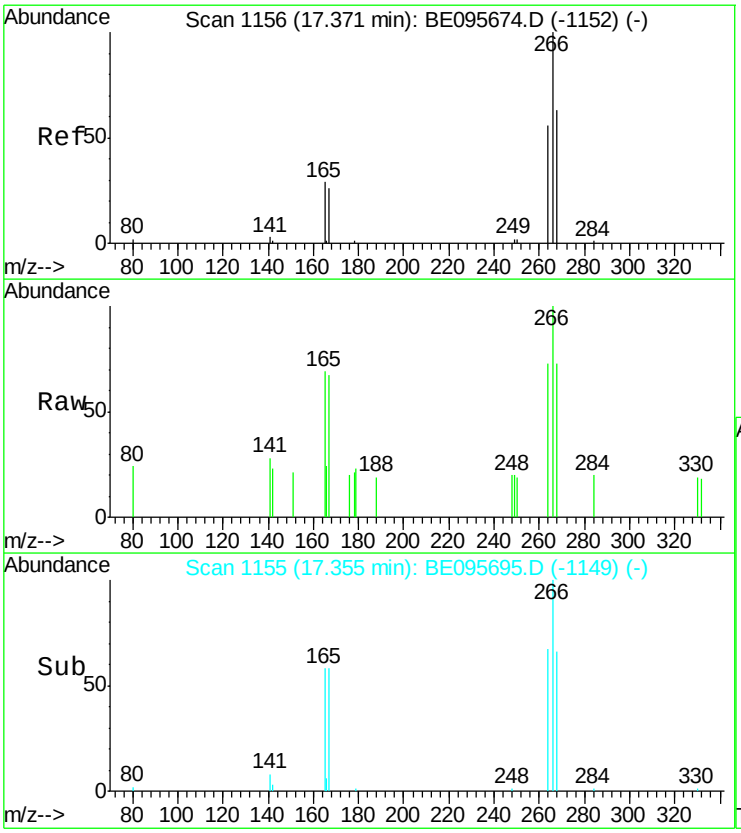
#21
Hexachlorobenzene
Concen: 0.375 ng
RT: 17.03 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1921

Ion	Ratio	Lower	Upper
284	100		
142	39.1	22.1	33.1#
249	35.0	34.8	52.2

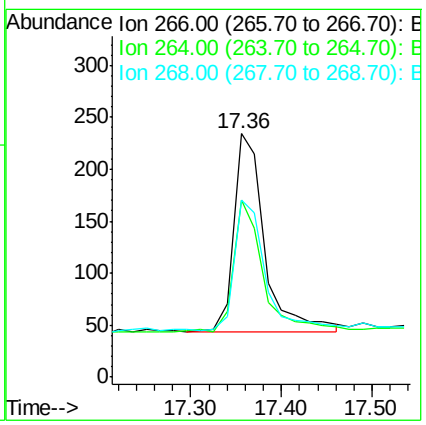


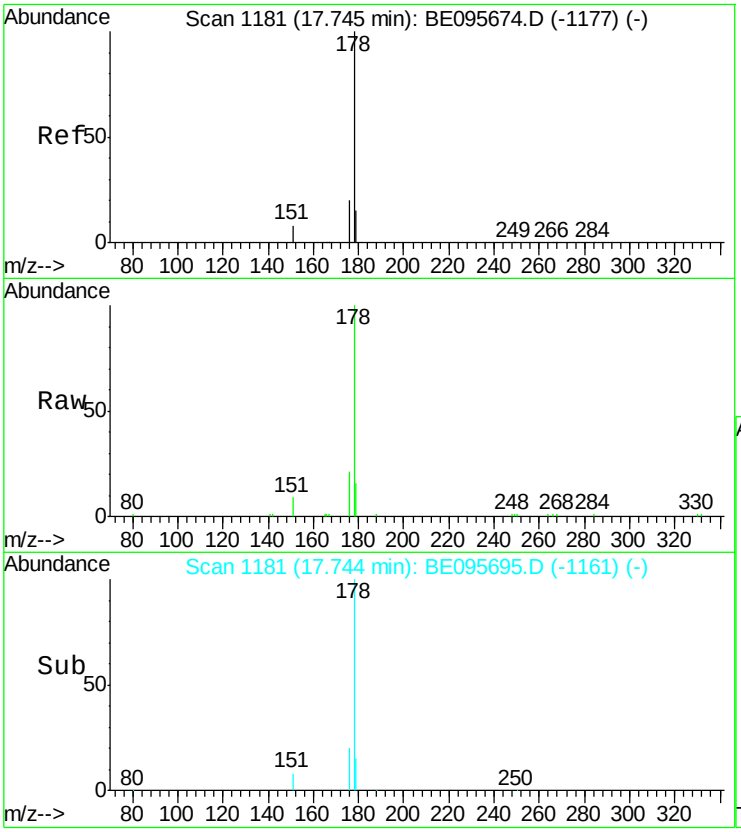


#22
Pentachlorophenol
Concen: 0.417 ng
RT: 17.36 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:266 Resp: 449

Ion	Ratio	Lower	Upper
266	100		
264	73.1	72.5	108.7
268	72.6	73.8	110.6#



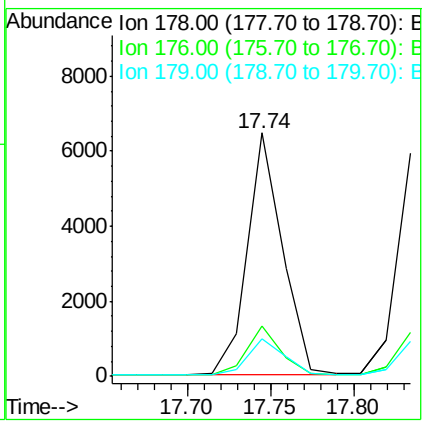


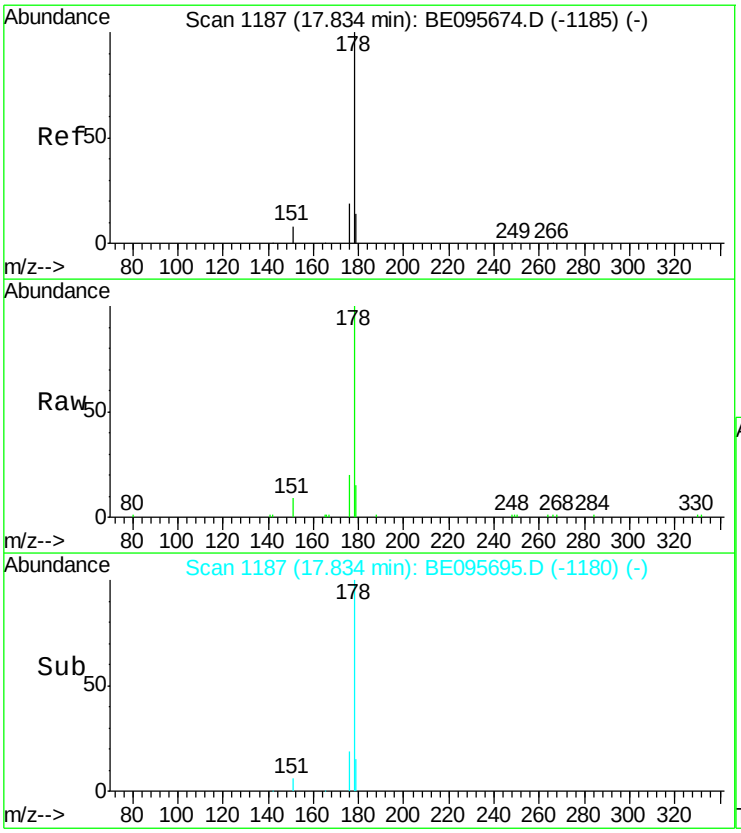
#23
Phenanthrene
Concen: 0.384 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 9472

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.4	11.8	17.6

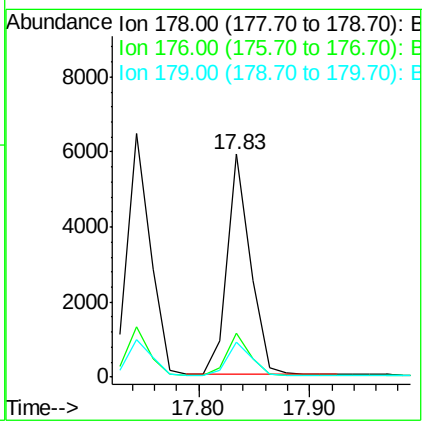


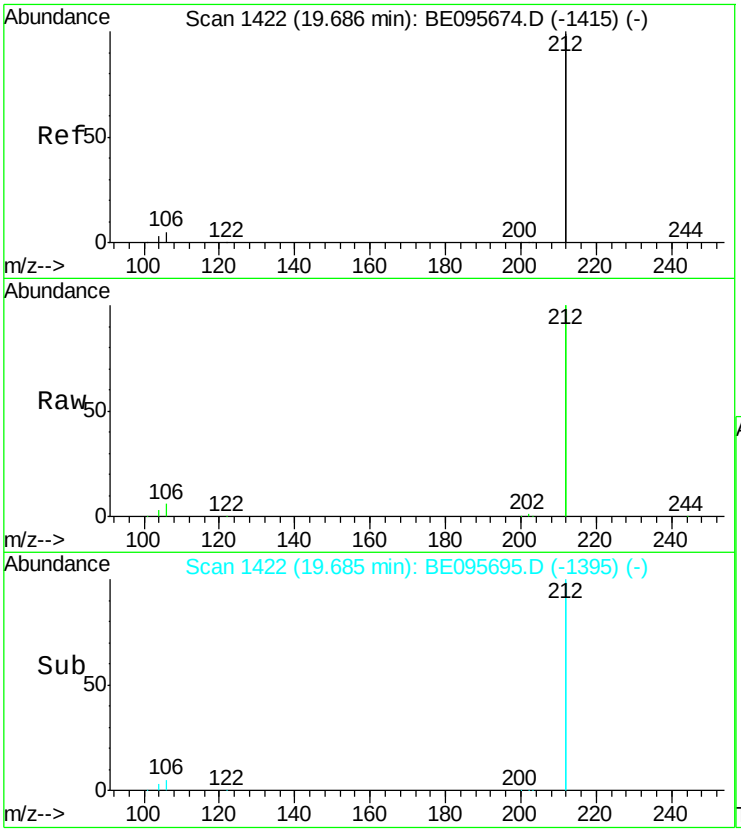


#24
Anthracene
Concen: 0.378 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:178 Resp: 8557

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.3	13.0	19.6



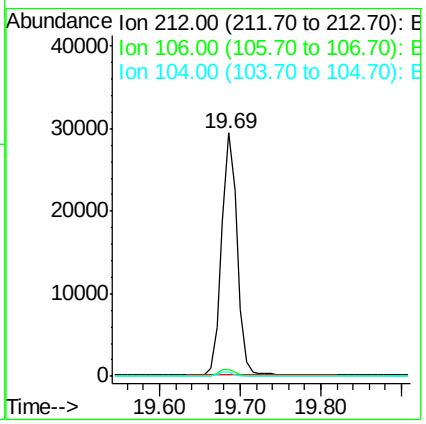


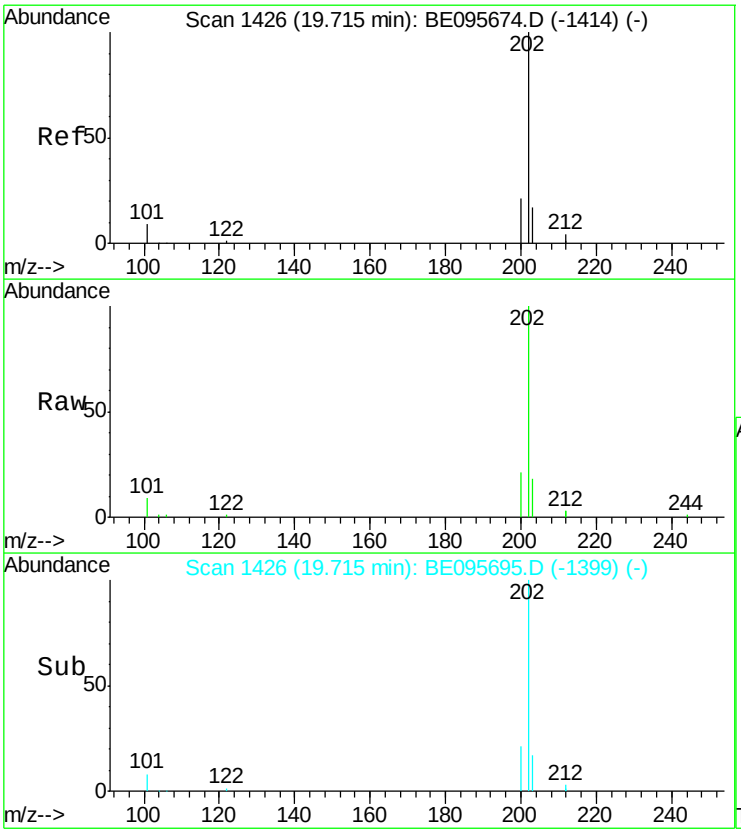
#25
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.69 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 39083

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

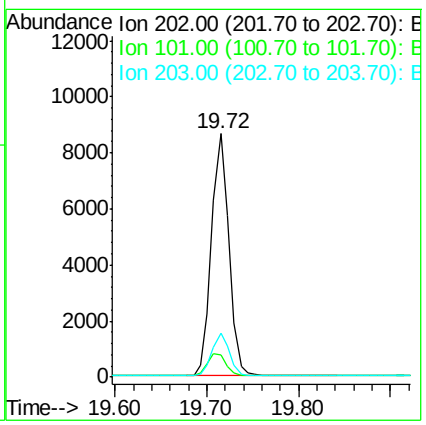


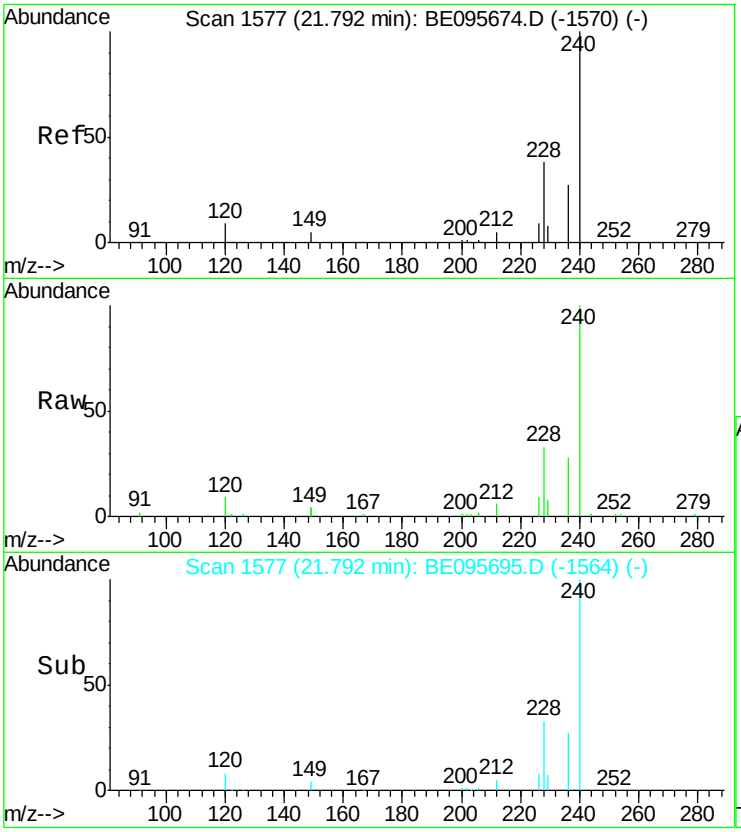


#26
Fluoranthene
Concen: 0.376 ng
RT: 19.72 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:202 Resp: 11398

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	17.4	13.7	20.5



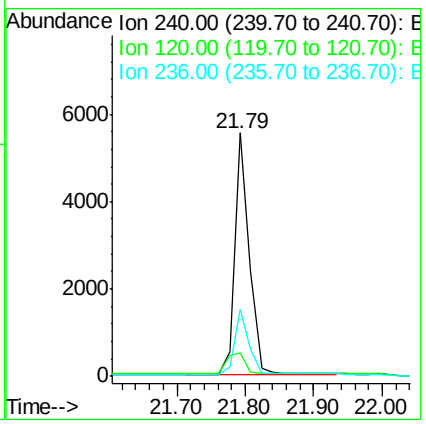


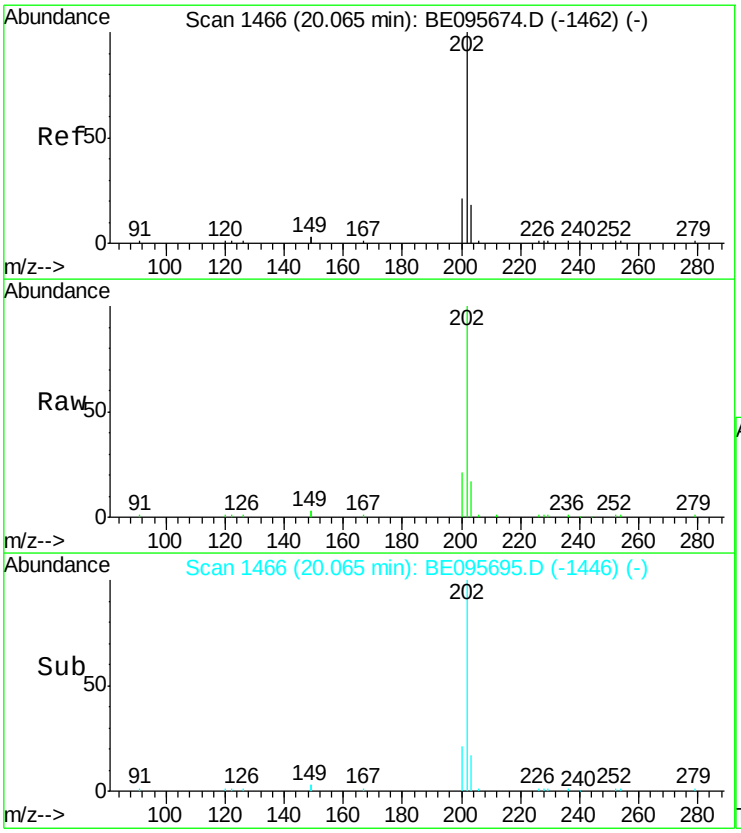
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8131

Ion	Ratio	Lower	Upper
240	100		
120	9.4	5.5	8.3#
236	27.6	20.7	31.1

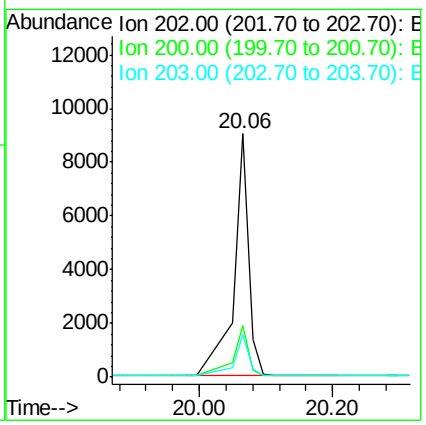


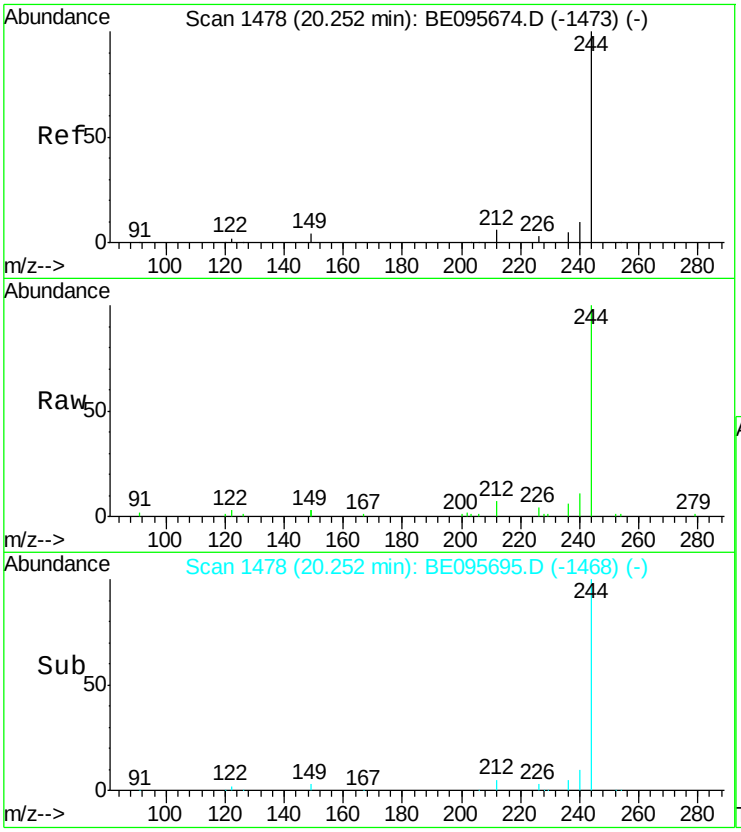


#28
Pyrene
Concen: 0.388 ng
RT: 20.06 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:202 Resp: 12914

Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.6	25.0
203	16.4	13.8	20.8



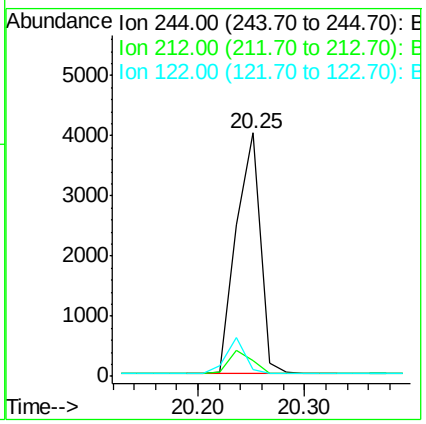


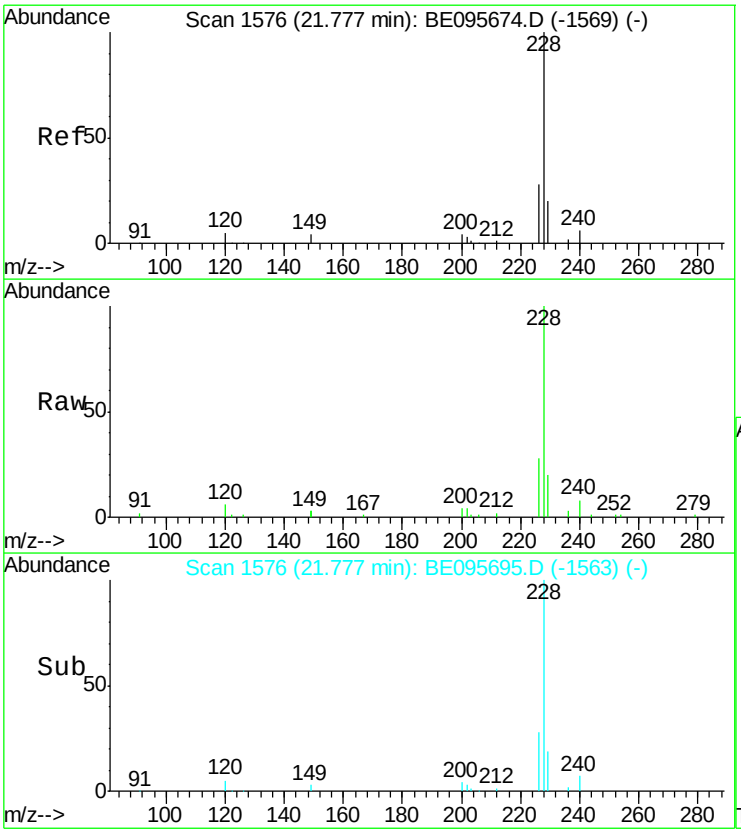
#29
Terphenyl-d14
Concen: 0.389 ng
RT: 20.25 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6311

Ion	Ratio	Lower	Upper
244	100		
212	6.5	25.4	38.0#
122	2.9	8.1	12.1#

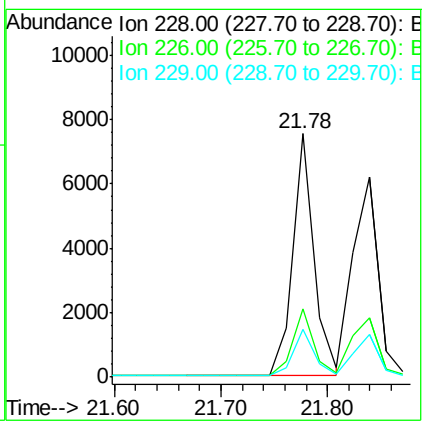


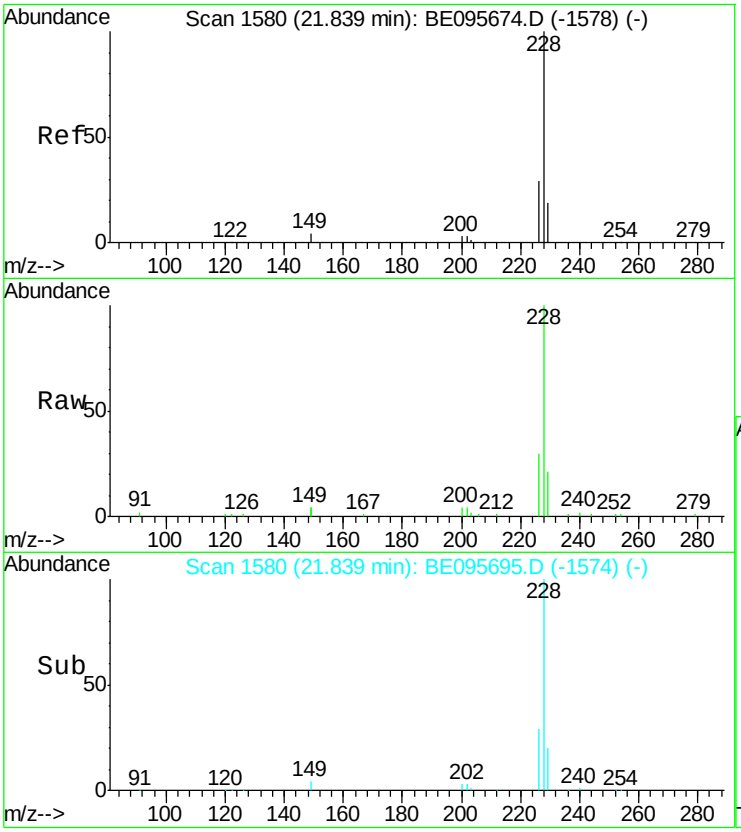


#30
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.78 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:228 Resp: 10308

Ion	Ratio	Lower	Upper
228	100		
226	28.0	24.0	36.0
229	19.8	16.0	24.0



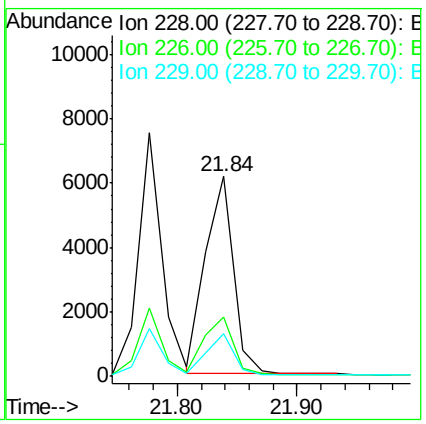


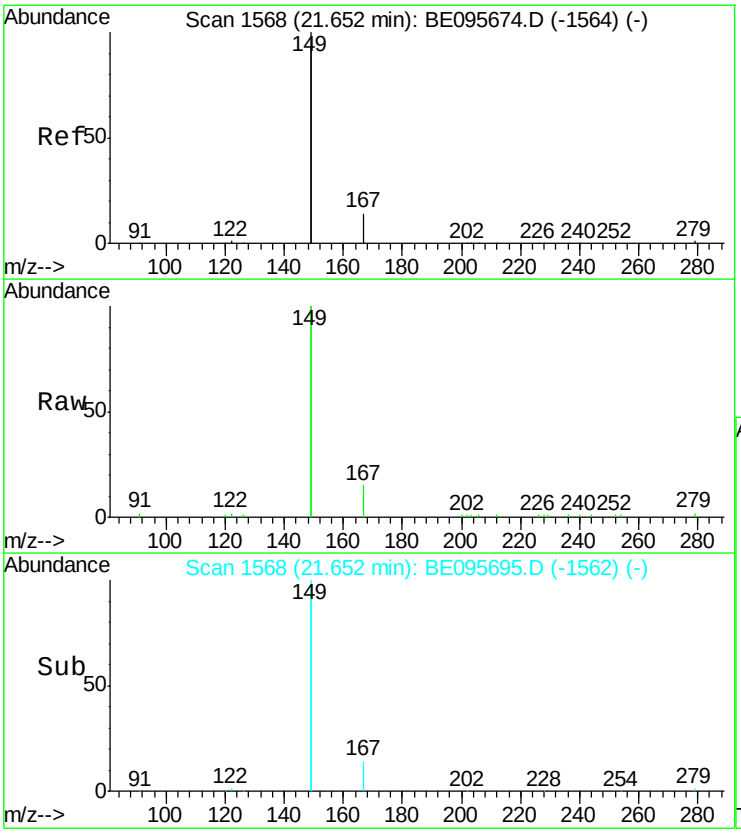
#31
Chrysene
Concen: 0.382 ng
RT: 21.84 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 10079

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	21.1	16.0	24.0

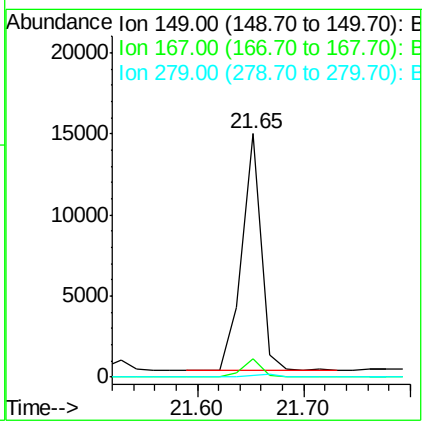


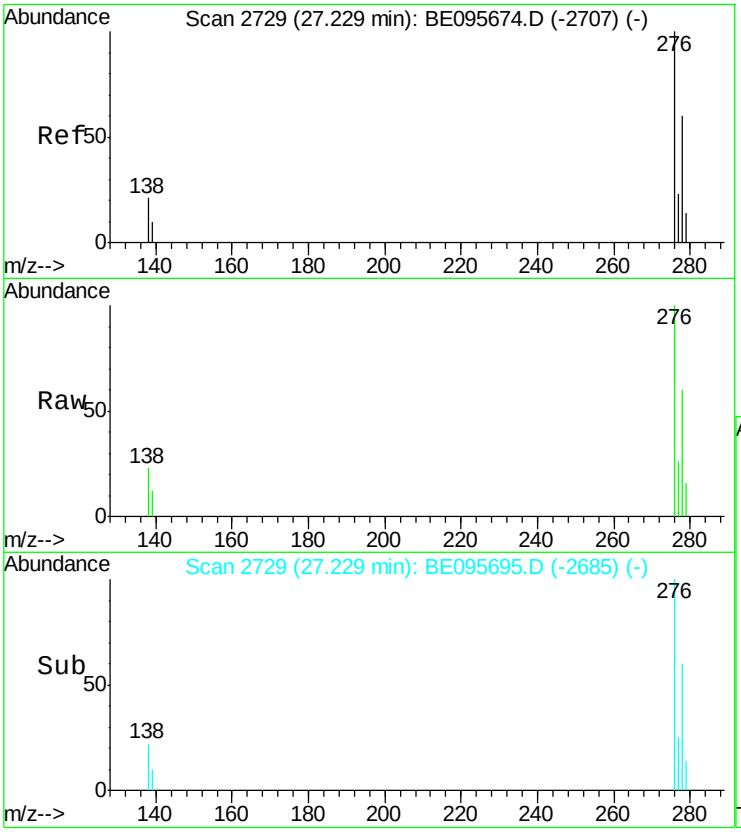


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.392 ng
RT: 21.65 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:149 Resp: 18410

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	1.0	0.7	1.1



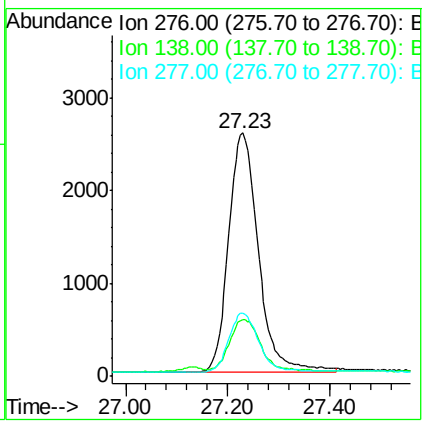


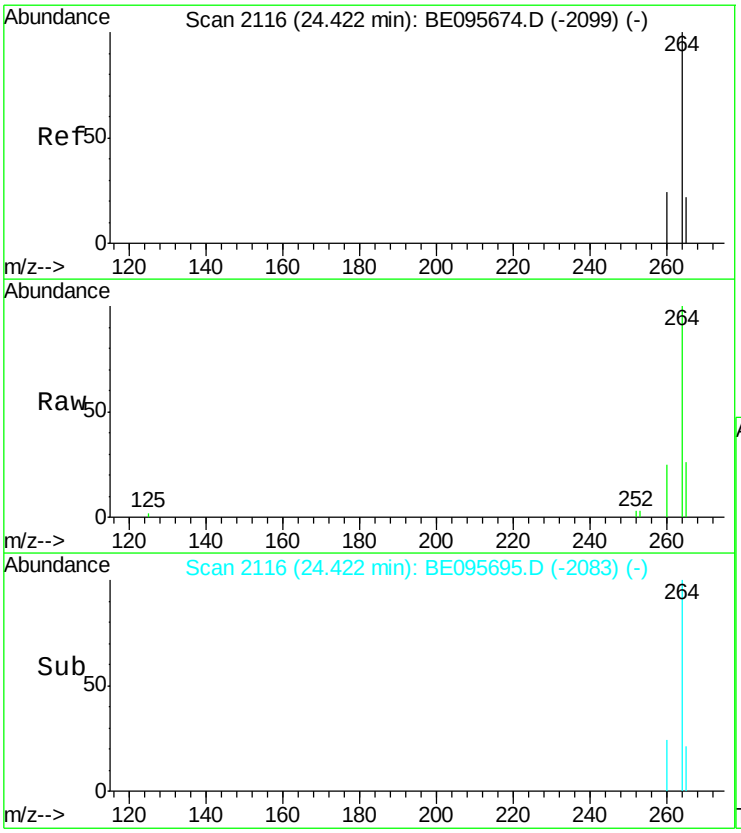
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng
RT: 27.23 min Scan# 2729
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 10460

Ion	Ratio	Lower	Upper
276	100		
138	21.6	22.5	33.7#
277	24.6	19.9	29.9

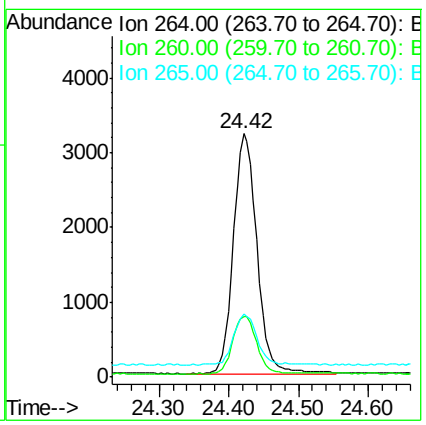


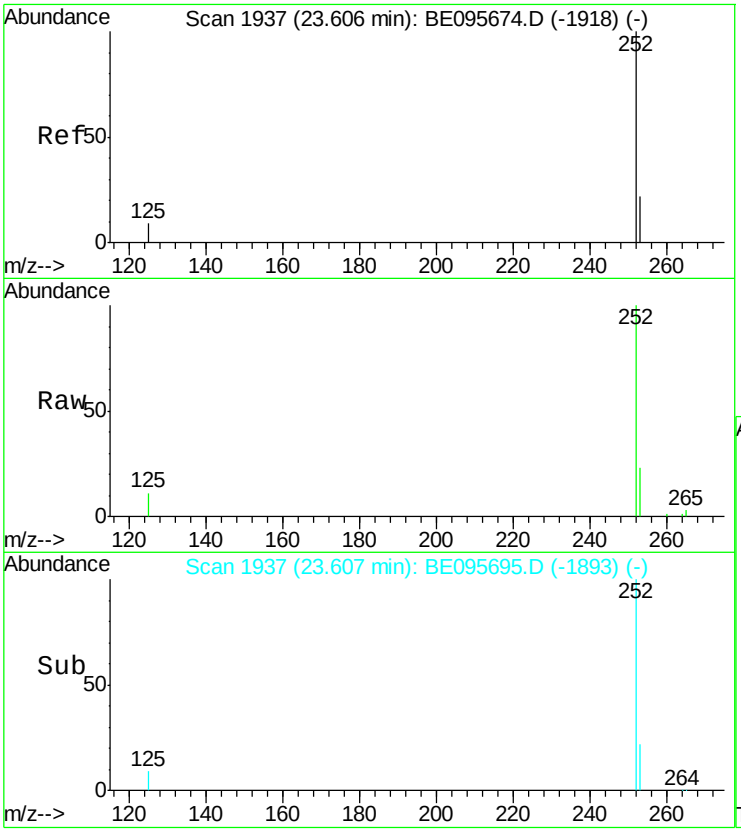


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2116
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:264 Resp: 7507

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.5	30.7
265	25.8	22.8	34.2



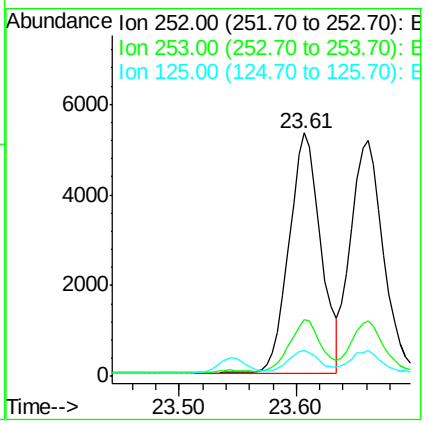


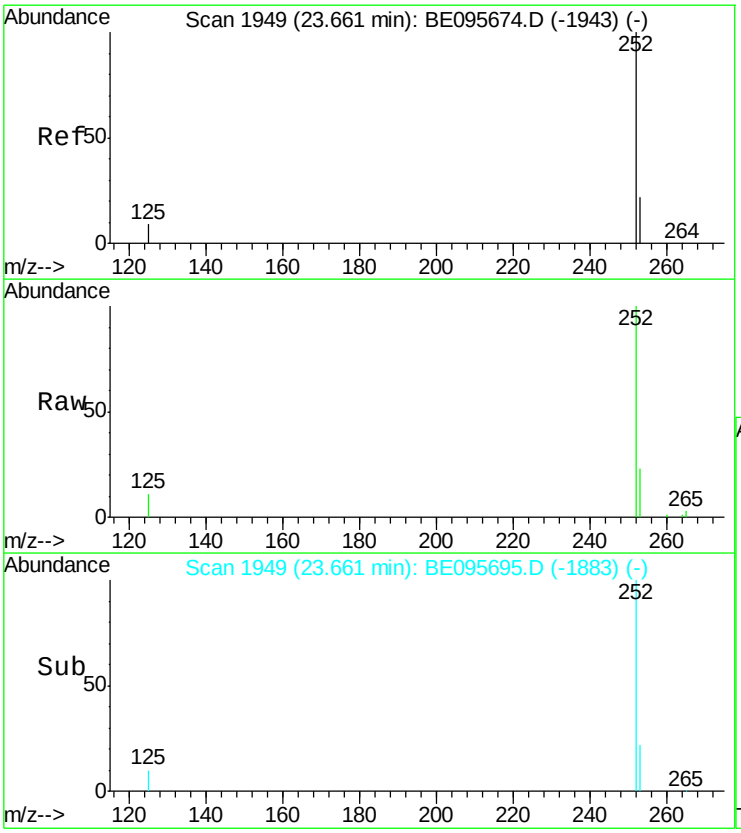
#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.61 min Scan# 1937
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10111

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.0	30.0
125	10.7	16.0	24.0#

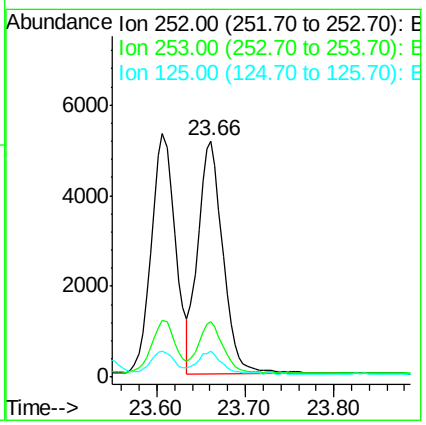


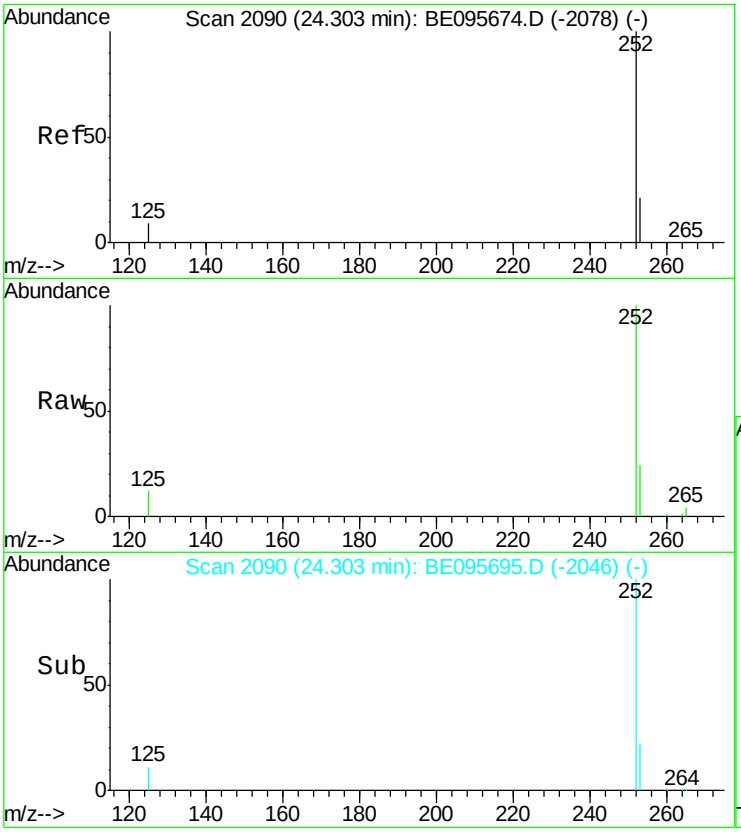


#36
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 23.66 min Scan# 1949
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:252 Resp: 10117

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	10.8	8.0	12.0



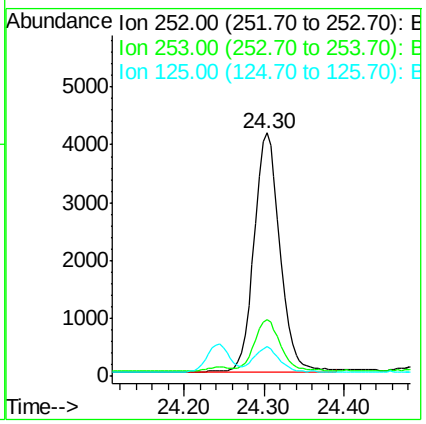


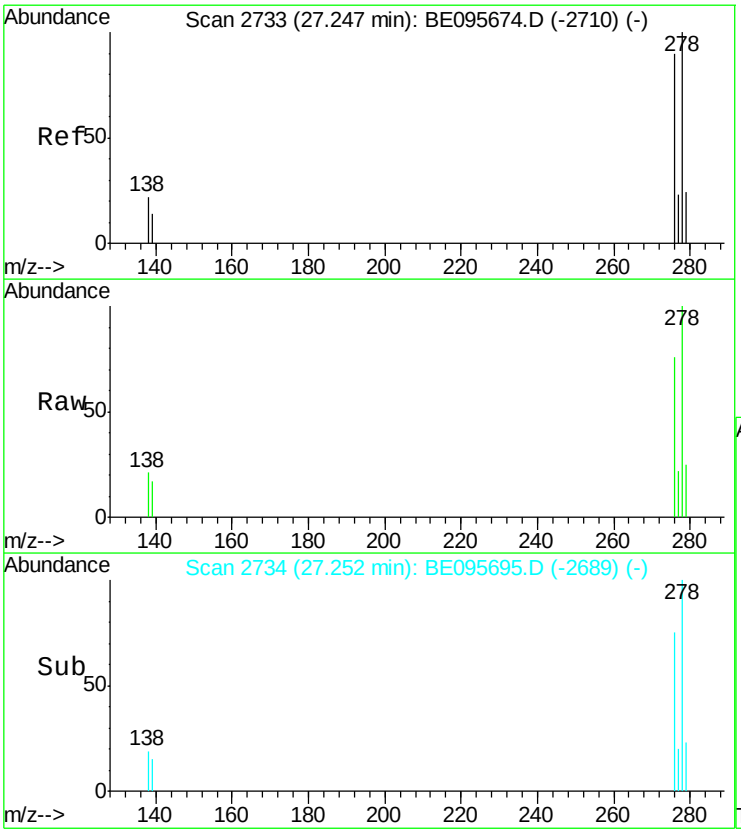
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 24.30 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9377

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	12.3	12.0	18.0

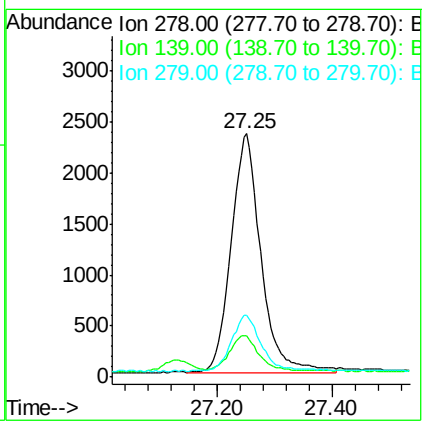


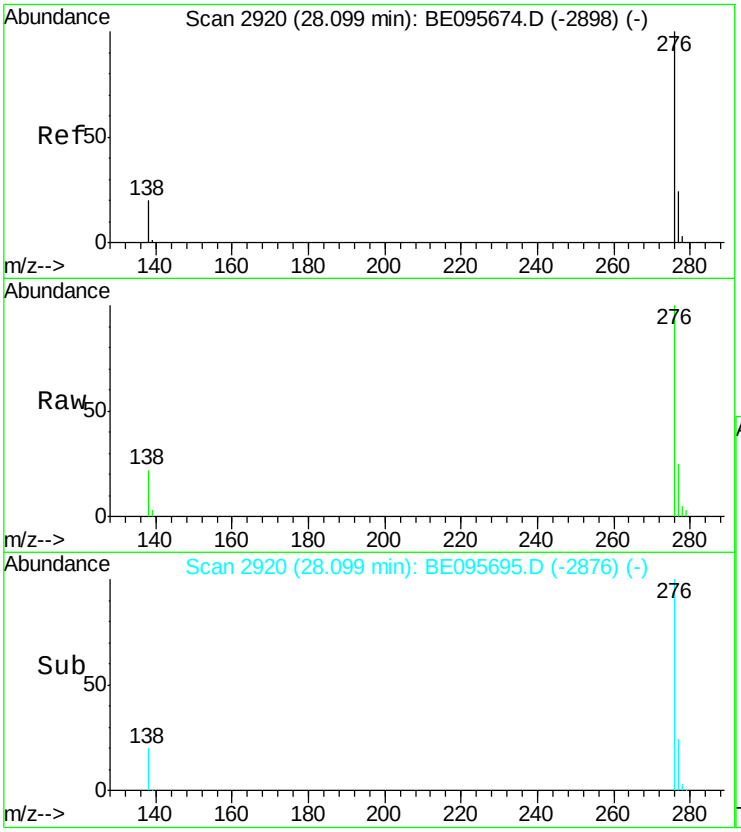


#38
Dibenzo(a,h)anthracene
Concen: 0.392 ng
RT: 27.25 min Scan# 2734
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Tgt Ion:278 Resp: 8413

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	25.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 28.10 min Scan# 2920
Delta R.T. 0.00 min
Lab File: BE095695.D
Acq: 26 Feb 2018 18:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8670

Ion	Ratio	Lower	Upper
276	100		
277	25.3	16.0	24.0#
138	21.6	20.0	30.0