Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041318\
Data File : BE095997.D
Acq On : 13 Apr 2018 15:39
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 13 16:48:18 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 14:42:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	1444	0.40	ng		-0.01
7) Naphthalene-d8	11.22	136	5540	0.40	ng		0.00
13) Acenaphthene-d10	14.97	164	3124	0.40	ng		0.00
19) Phenanthrene-d10	17.67	188	7438	0.40	ng		0.00
27) Chrysene-d12	21.77	240	7796	0.40	ng		-0.01
34) Perylene-d12	24.38	264	7357	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.88	112	1698	0.38	ng		0.00
5) Phenol-d6	7.53	99	2338	0.38	ng		0.00
8) Nitrobenzene-d5	9.55	82	2397	0.37	ng		-0.01
11) 2-Methylnaphthalene-d10	12.76	152	3351	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.44	330	568	0.38	ng		0.00
15) 2-Fluorobiphenyl	13.60	172	4992	0.37	ng		-0.01
25) Fluoranthene-d10	19.66	212	36483	0.36	ng		0.00
29) Terphenyl-d14	20.22	244	6668	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.61	88	876	0.393	ng	#	88
3) n-Nitrosodimethylamine	3.96	42	1028	0.376	ng		86
6) bis(2-Chloroethyl)ether	7.78	93	2077	0.383	ng		94
9) Naphthalene	11.27	128	22098	0.378	ng		100
10) Hexachlorobutadiene	11.53	225	599	0.231	ng		91
12) 2-Methylnaphthalene	12.83	142	3661	0.379	ng		97
16) Acenaphthylene	14.69	152	6104	0.366	ng		99
17) Acenaphthene	15.02	154	3631	0.362	ng		94
18) Fluorene	15.99	166	4556	0.367	ng	#	78
20) 4-Bromophenyl-phenylether	16.87	248	1592	0.360	ng	#	73
21) Hexachlorobenzene	17.00	284	1619	0.368	ng	#	82
22) Pentachlorophenol	17.33	266	536	0.399	ng	#	73
23) Phenanthrene	17.72	178	7763	0.372	ng		99
24) Anthracene	17.80	178	7403	0.371	ng	#	95
26) Fluoranthene	19.69	202	9892	0.360	ng		98
28) Pyrene	20.05	202	3416	0.223	ng	#	94
30) Benzo(a)anthracene	21.75	228	9179	0.367	ng		96
31) Chrysene	21.80	228	9177	0.380	ng		97
32) Bis(2-ethylhexyl)phthalate	21.62	149	23502	0.364	ng		100
33) Indeno(1,2,3-cd)pyrene	27.18	276	8944	0.382	ng		94
35) Benzo(b)fluoranthene	23.57	252	8422	0.382	ng	#	90
36) Benzo(k)fluoranthene	23.62	252	8318	0.366	ng		94
37) Benzo(a)pyrene	24.27	252	7920	0.373	ng		93
38) Dibenzo(a,h)anthracene	27.19	278	7178	0.384	ng		96
39) Benzo(g,h,i)perylene	28.05	276	7491	0.379	ng	#	93

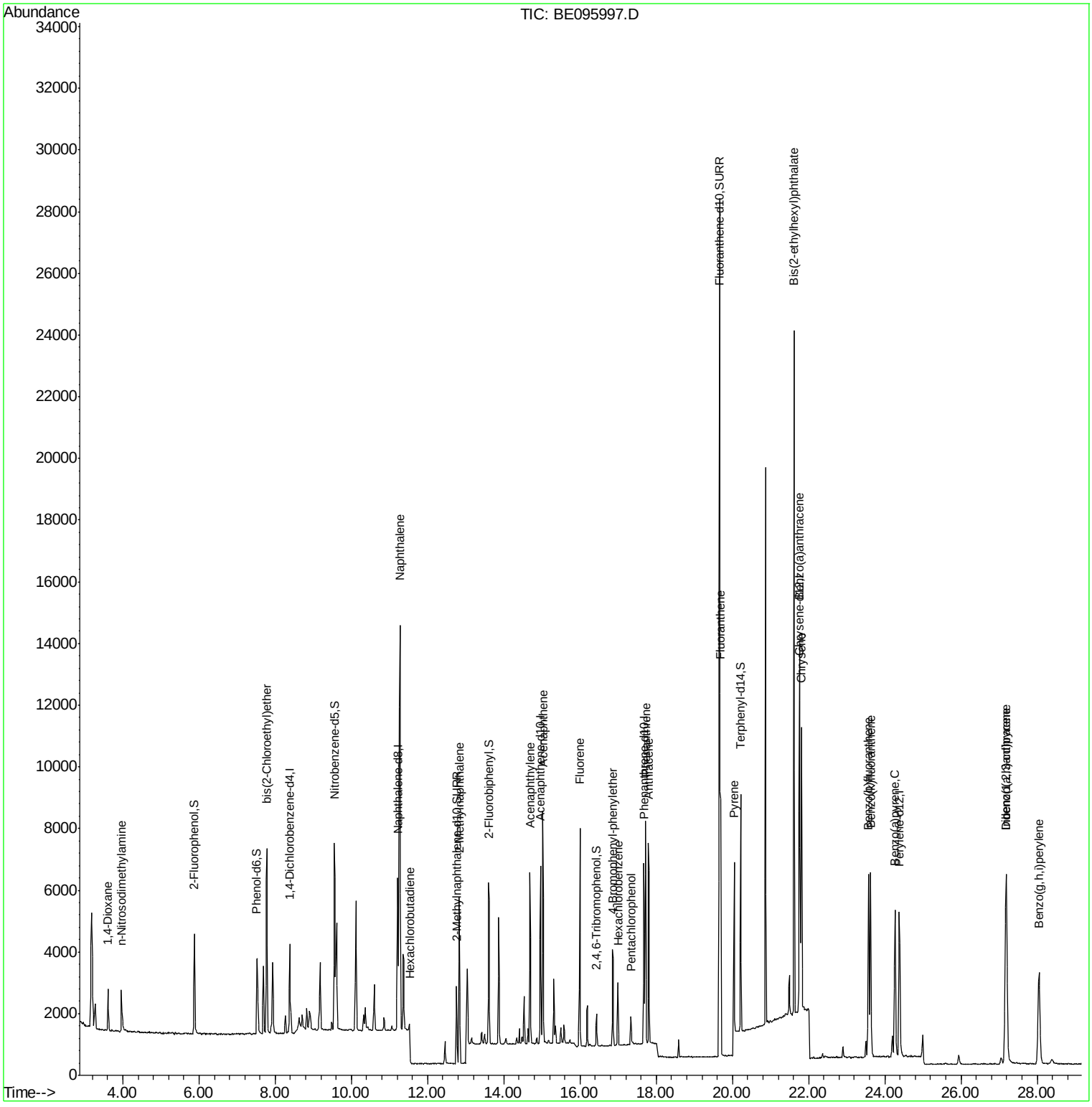
(#) = qualifier out of range (m) = manual integration (+) = signals summed

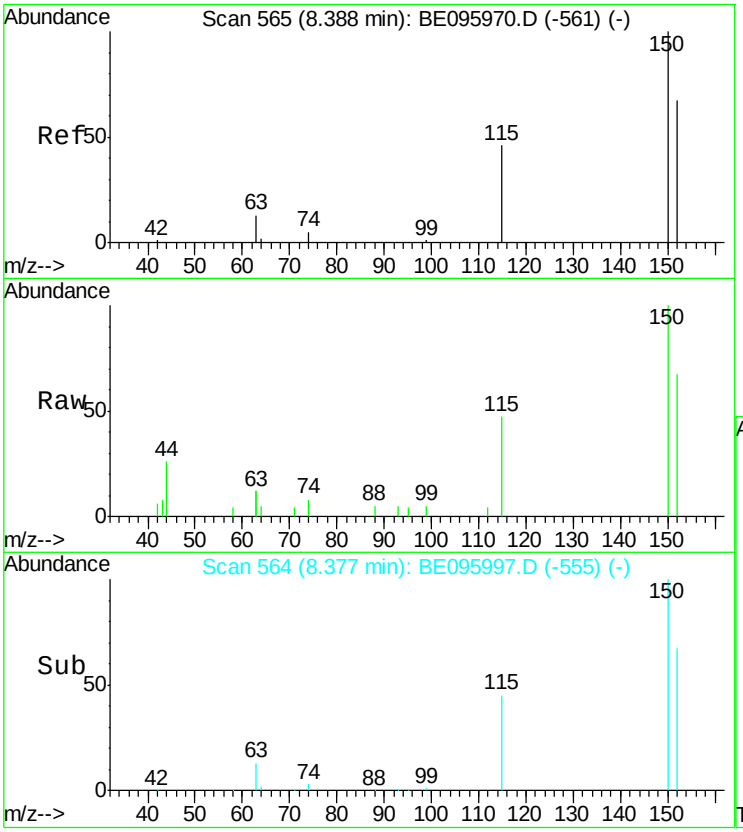
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041318\
Data File : BE095997.D
Acq On : 13 Apr 2018 15:39
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 13 16:48:18 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 14:42:08 2018
Response via : Initial Calibration



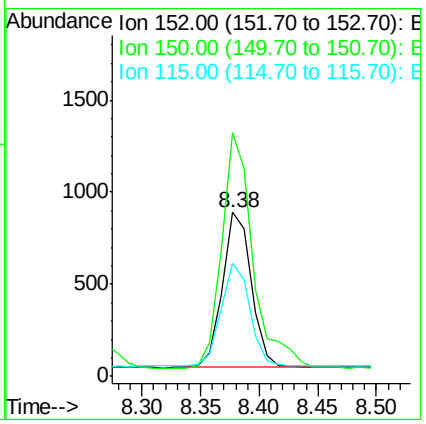


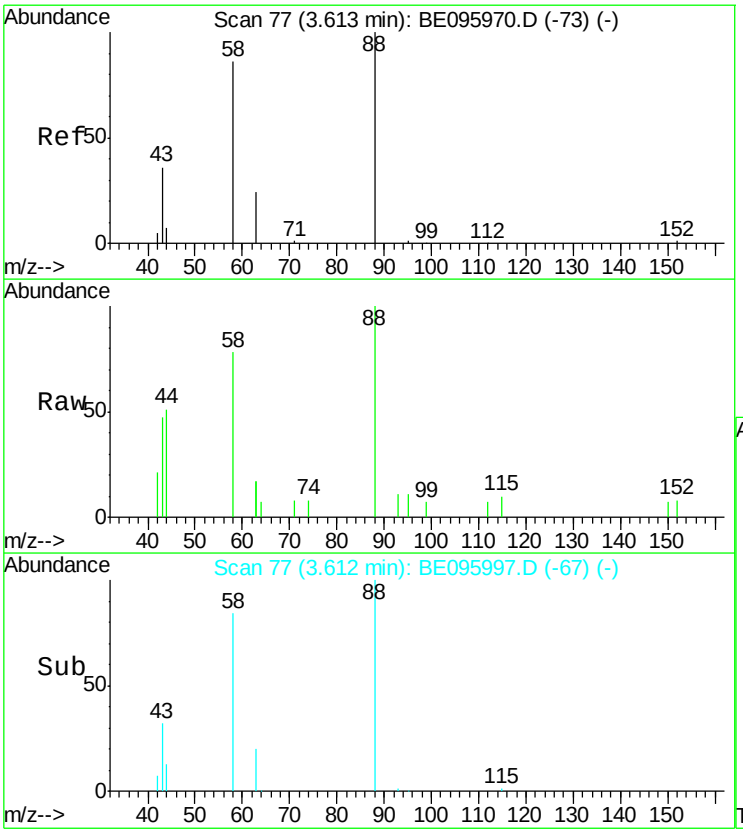
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.38 min Scan# 564
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1444

Ion	Ratio	Lower	Upper
152	100		
150	148.4	117.2	175.8
115	69.2	57.0	85.6

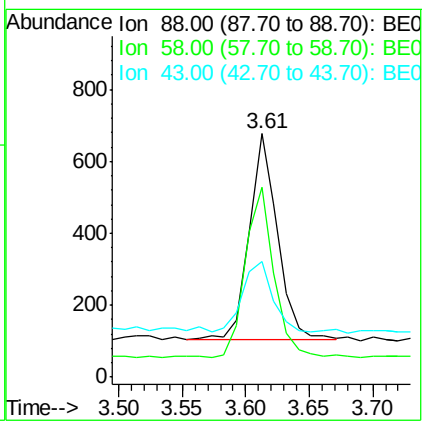


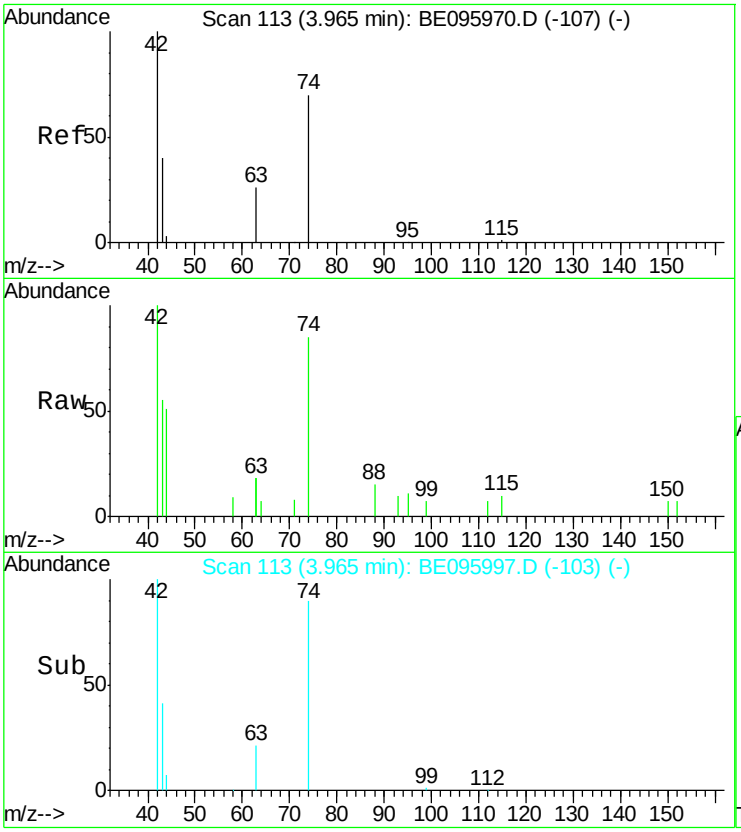


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.61 min Scan# 77
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion: 88 Resp: 876

Ion	Ratio	Lower	Upper
88	100		
58	84.6	63.2	94.8
43	36.5	41.2	61.8#



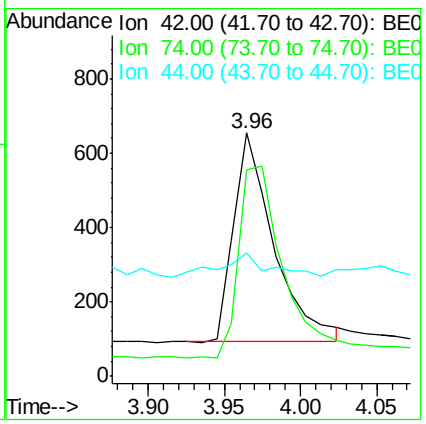


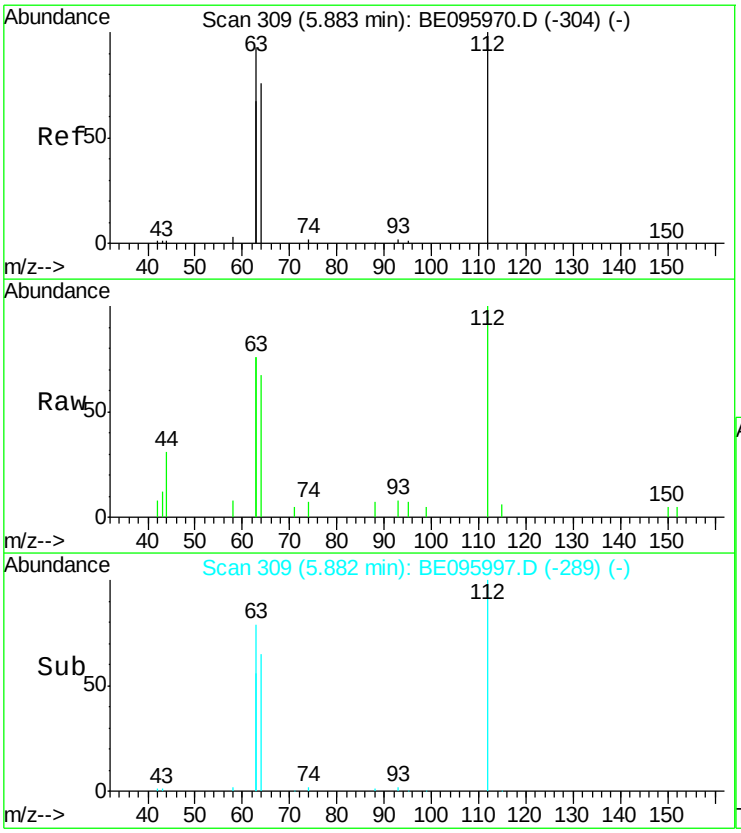
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.96 min Scan# 113
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1028

Ion	Ratio	Lower	Upper
42	100		
74	102.7	96.0	144.0
44	13.5	12.0	18.0

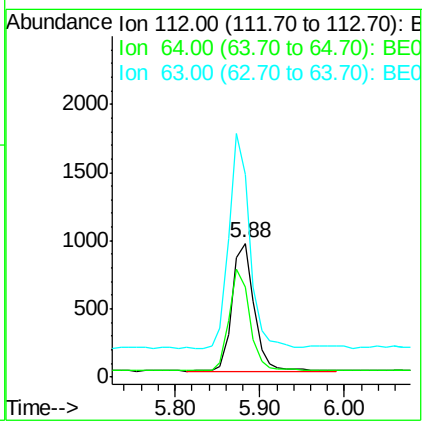


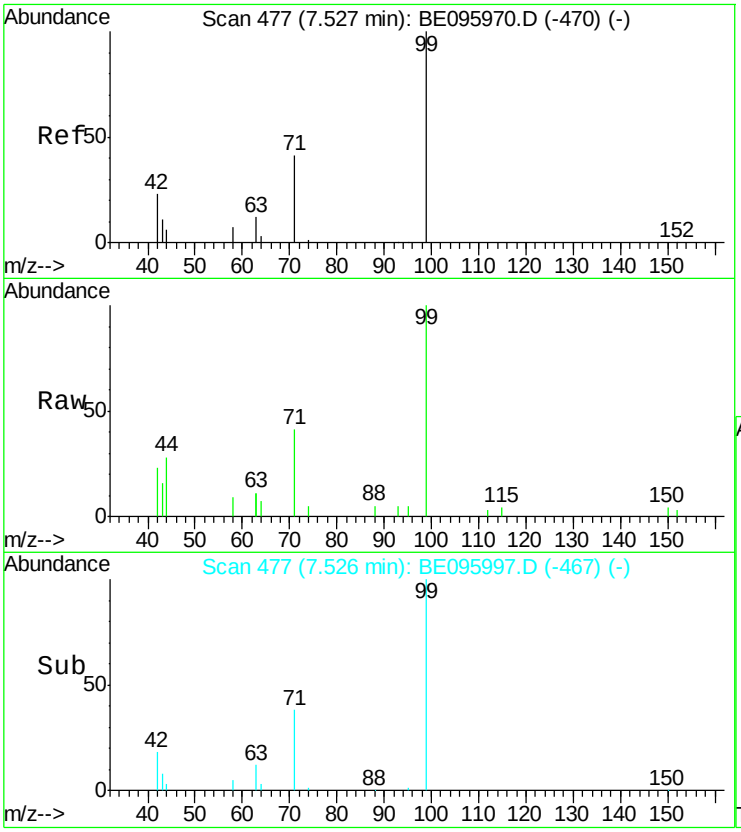


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.88 min Scan# 309
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:112 Resp: 1698

Ion	Ratio	Lower	Upper
112	100		
64	74.9	60.1	90.1
63	158.5	116.8	175.2



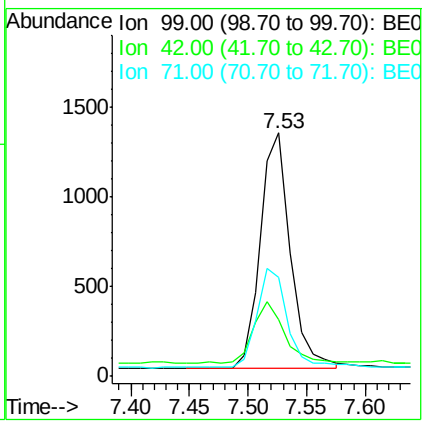


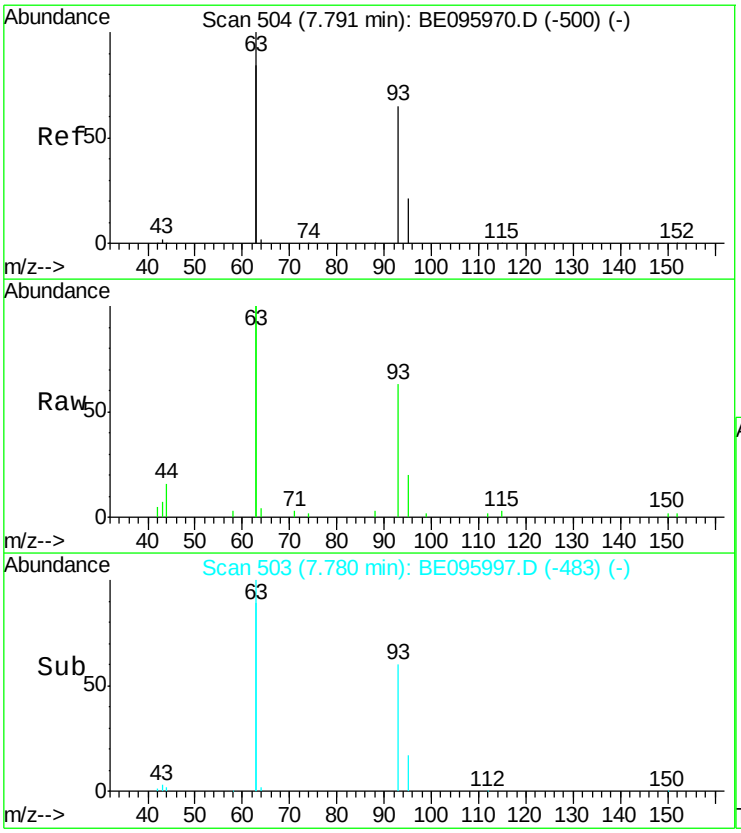
#5
Phenol-d6
Concen: 0.379 ng
RT: 7.53 min Scan# 477
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2338

Ion	Ratio	Lower	Upper
99	100		
42	26.3	20.2	30.2
71	42.5	28.4	42.6

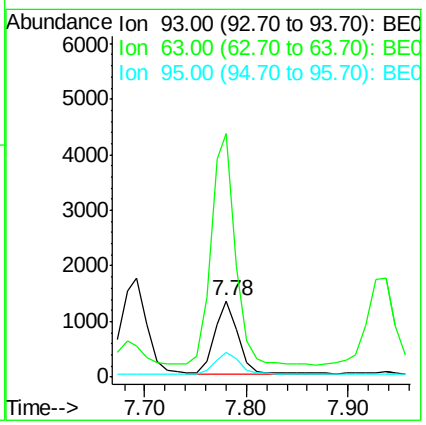


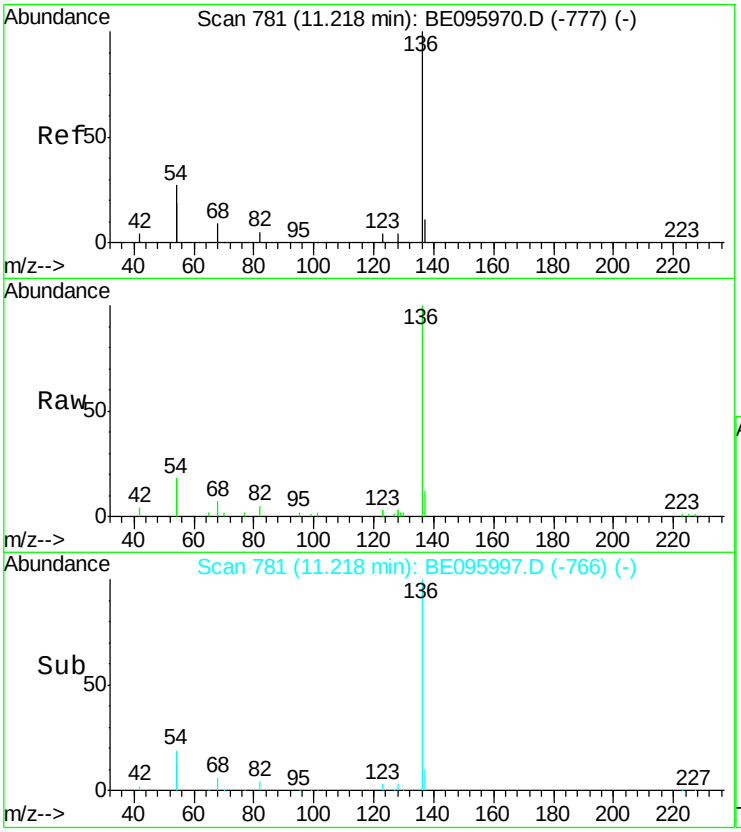


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 7.78 min Scan# 503
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion: 93 Resp: 2077

Ion	Ratio	Lower	Upper
93	100		
63	330.3	275.3	412.9
95	30.9	25.2	37.8



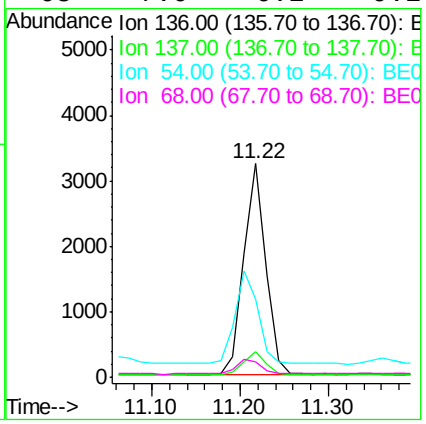


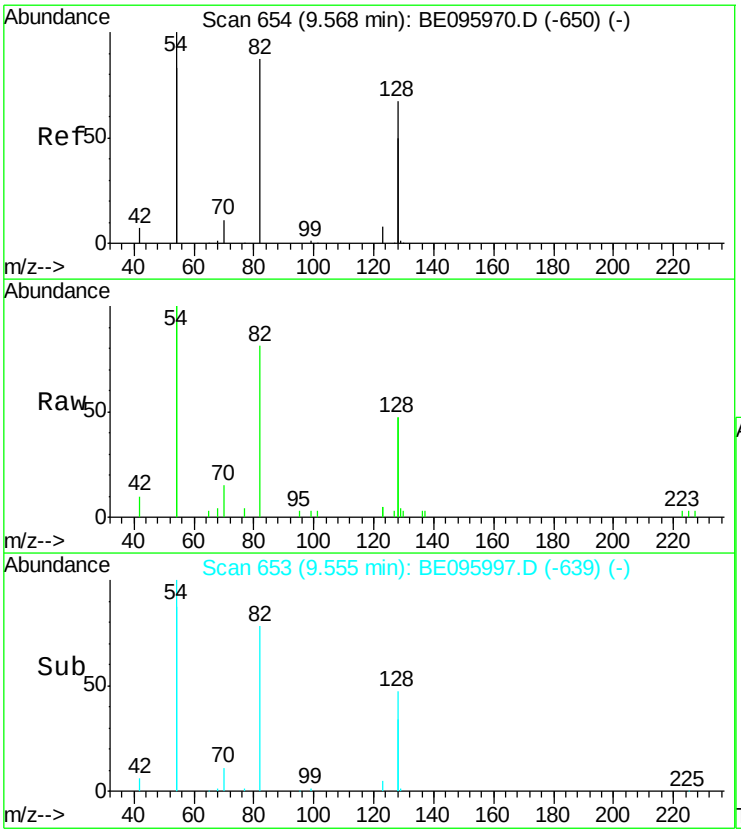
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.22 min Scan# 781
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 5540

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	36.6	29.1	43.7
68	7.0	6.2	9.2

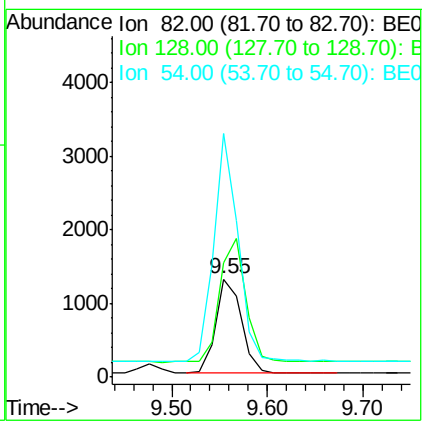


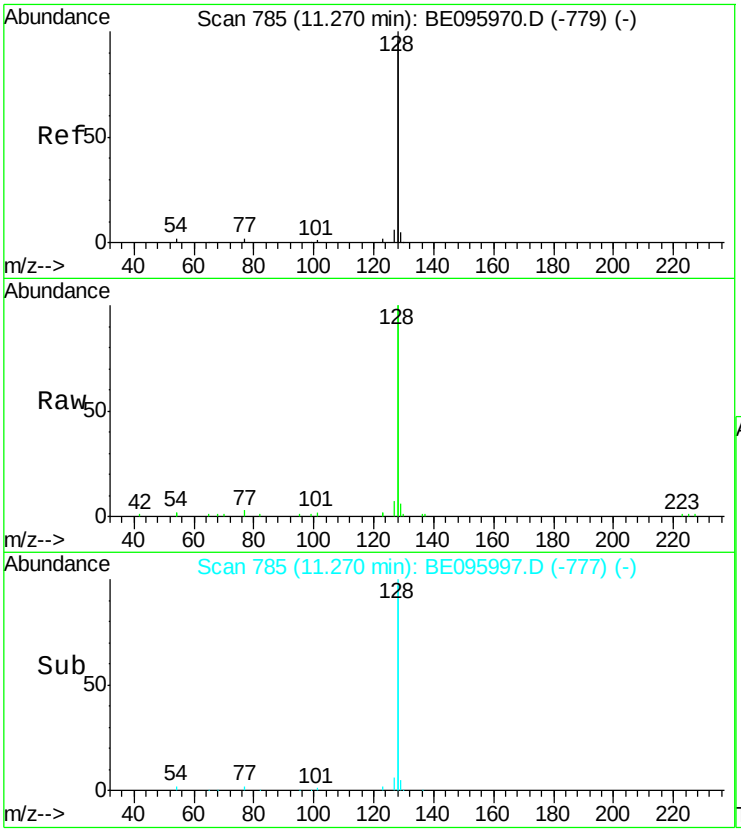


#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion: 82 Resp: 2397

Ion	Ratio	Lower	Upper
82	100		
128	115.8	150.0	225.0#
54	247.8	154.2	231.4#



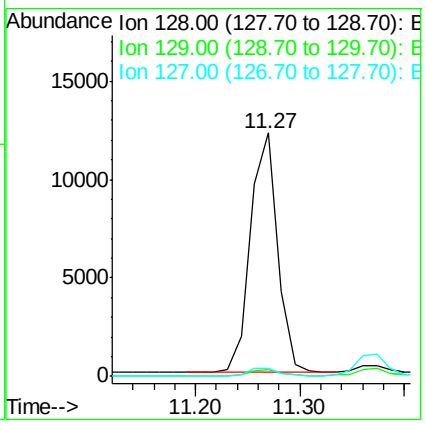


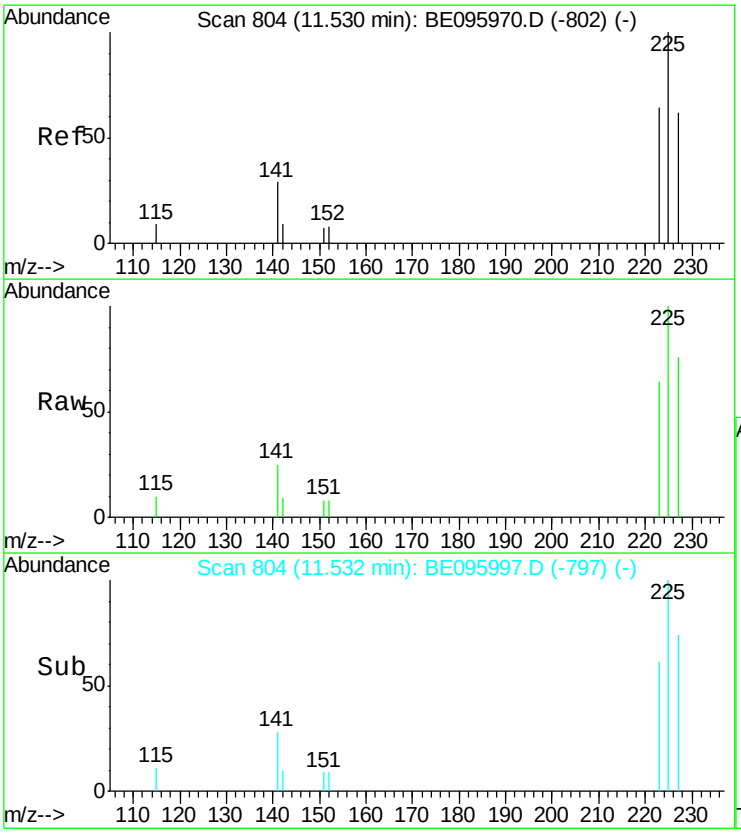
#9
Naphthalene
Concen: 0.378 ng
RT: 11.27 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 22098

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.6	2.8	4.2

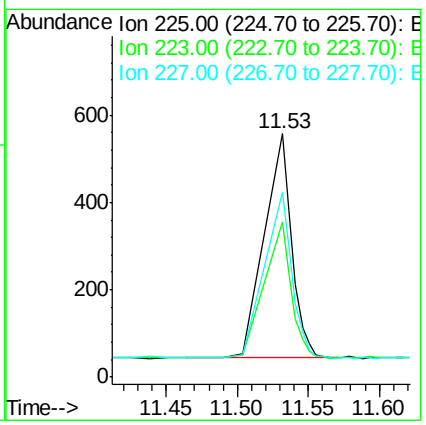


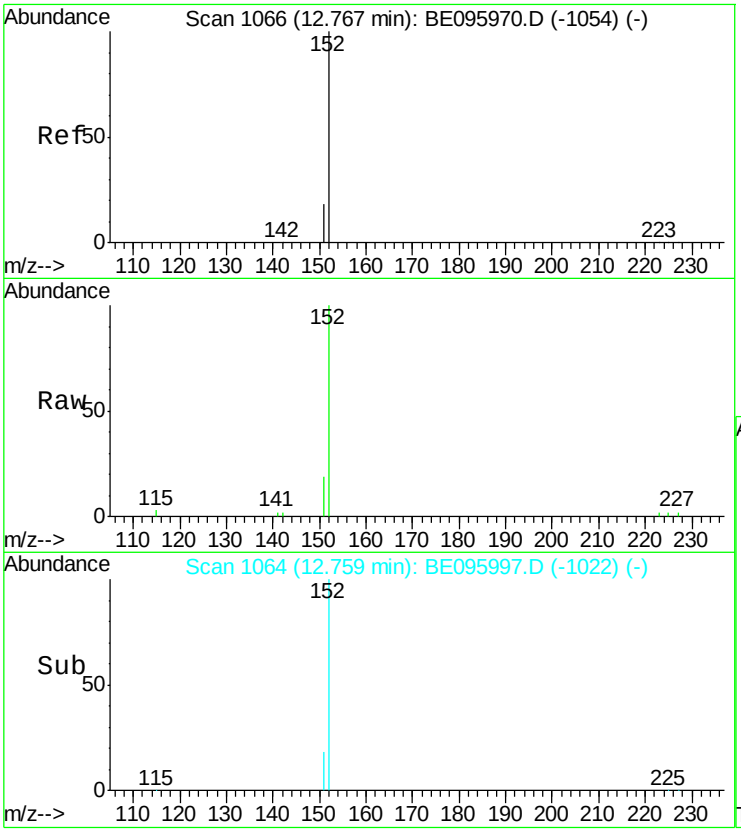


#10
Hexachlorobutadiene
Concen: 0.231 ng
RT: 11.53 min Scan# 804
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:225 Resp: 599

Ion	Ratio	Lower	Upper
225	100		
223	59.4	53.0	79.6
227	72.3	51.4	77.2



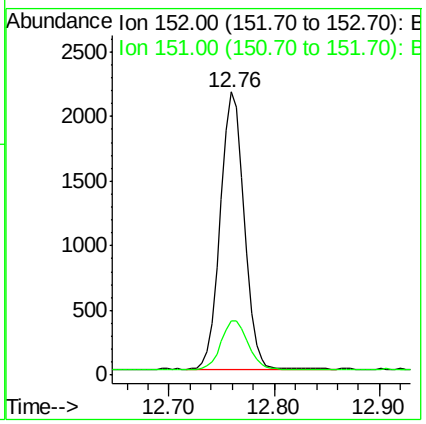


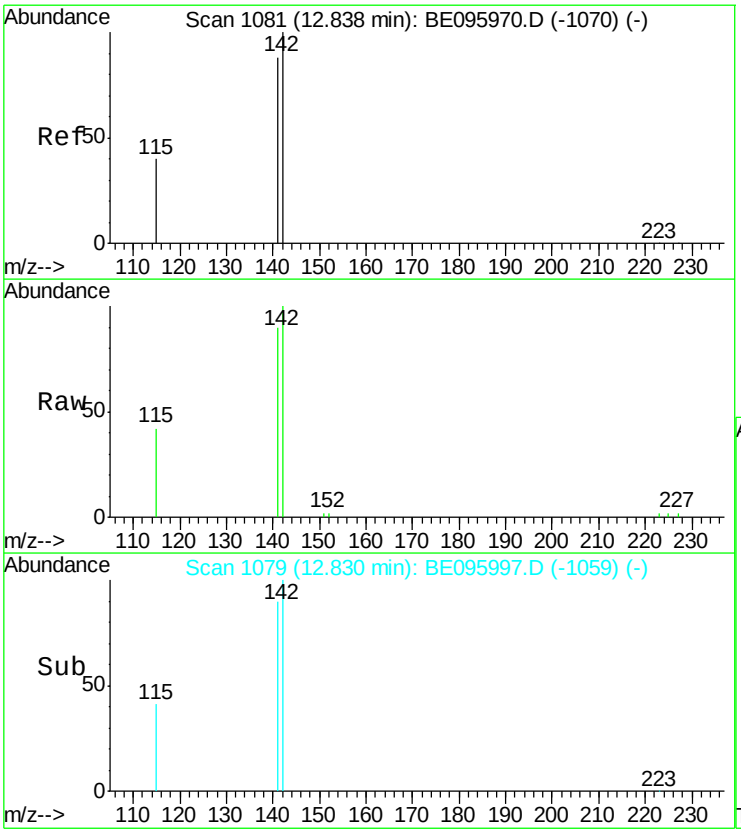
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3351

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0

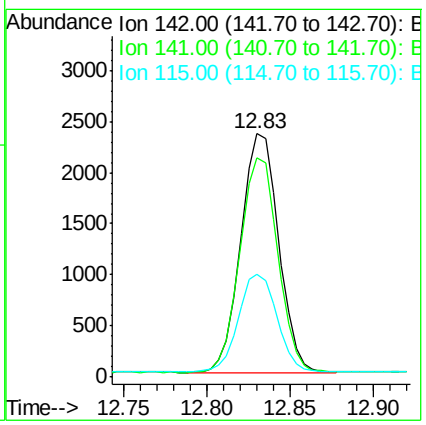


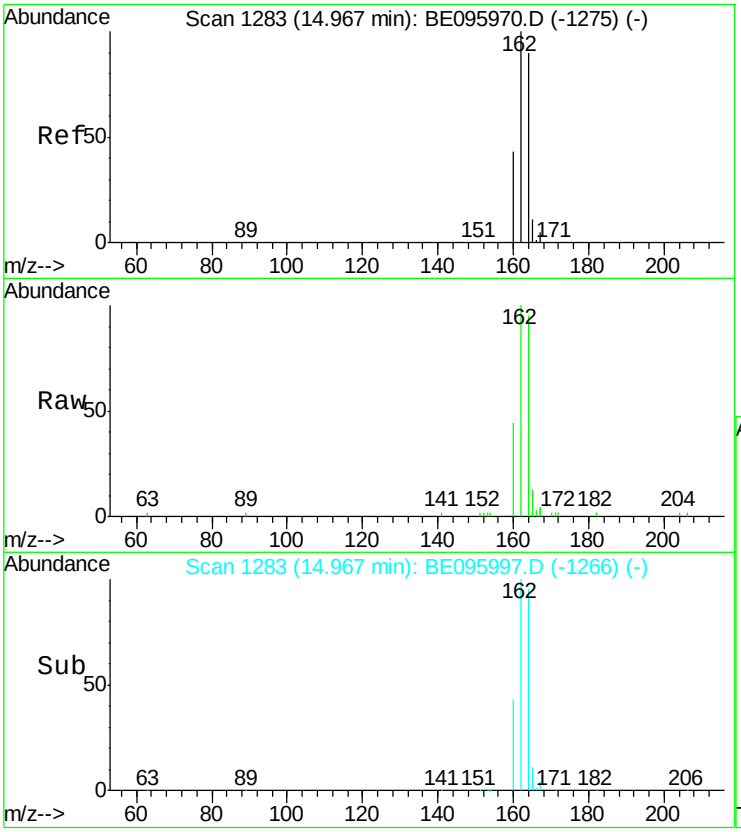


#12
2-Methylnaphthalene
Concen: 0.379 ng
RT: 12.83 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:142 Resp: 3661

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.4	105.6
115	42.2	31.7	47.5



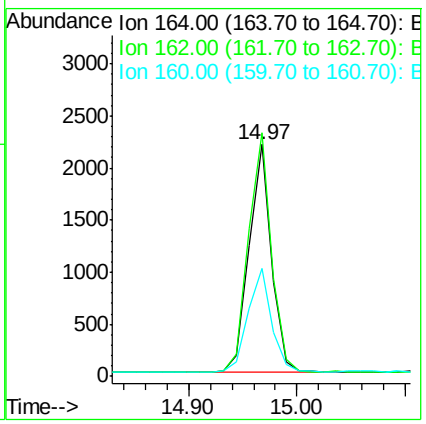


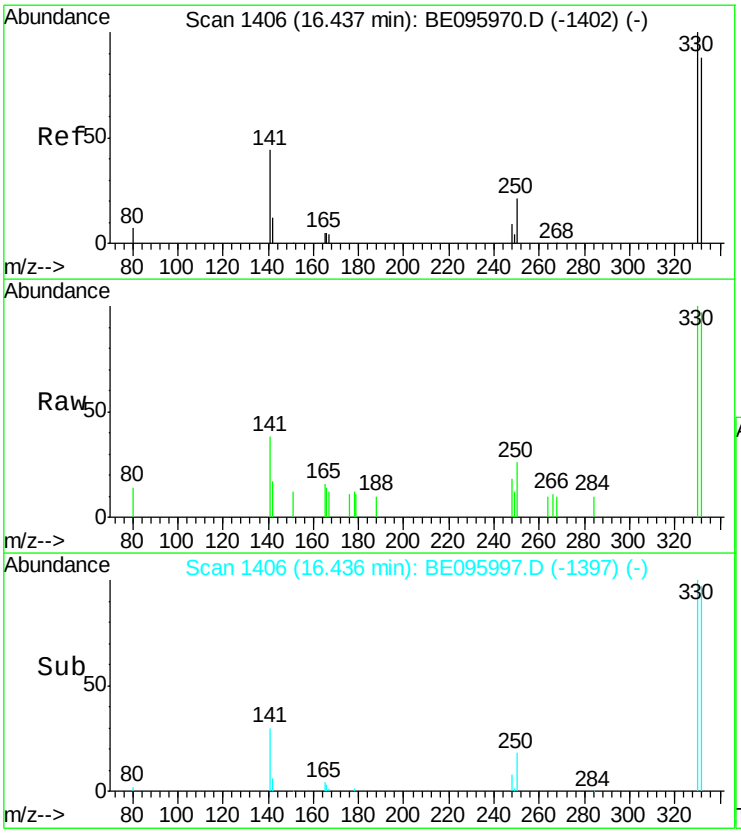
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.97 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 3124

Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.1	124.7
160	46.4	37.1	55.7

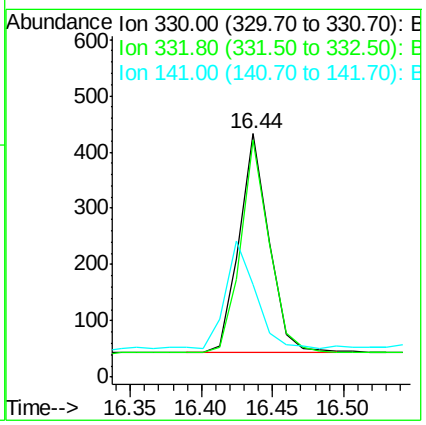


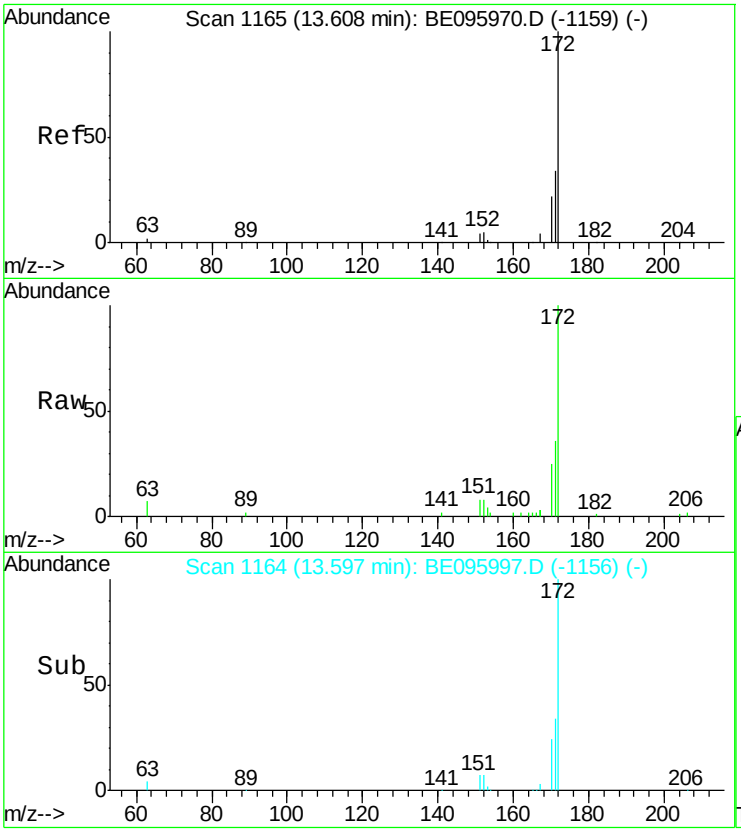


#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 16.44 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:330 Resp: 568

Ion	Ratio	Lower	Upper
330	100		
332	93.7	152.7	229.1#
141	48.9	33.7	50.5



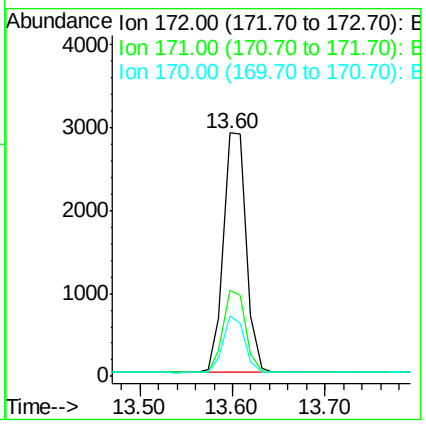


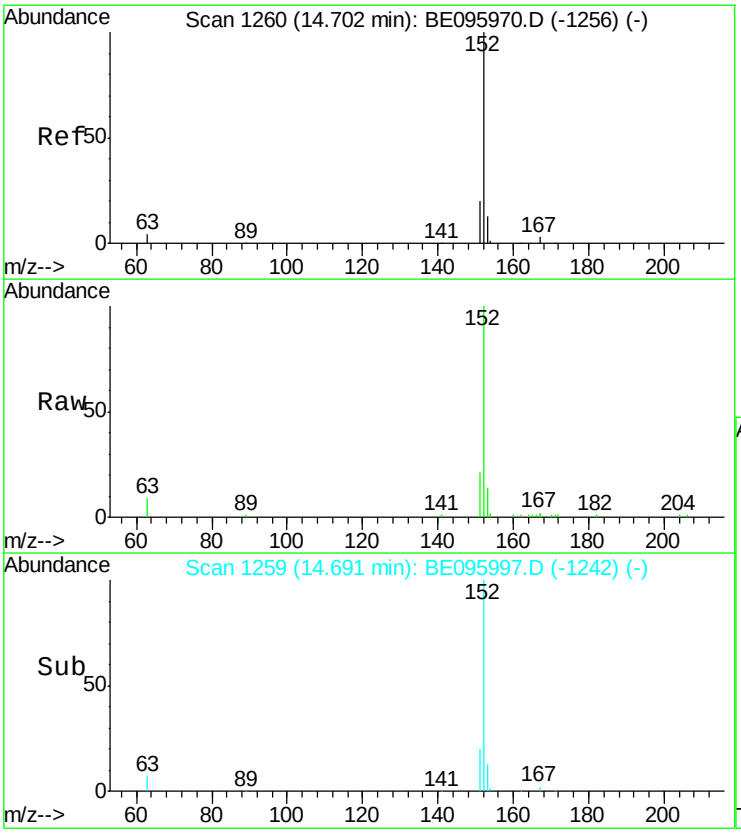
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.60 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 4992

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	24.8	21.8	32.8

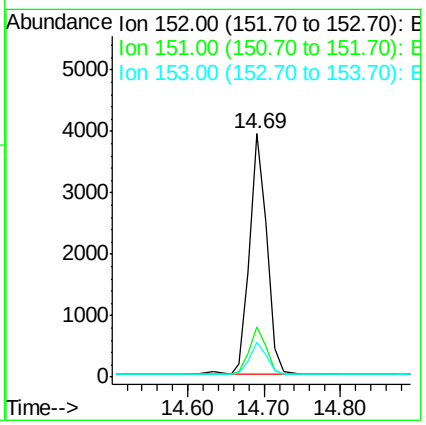


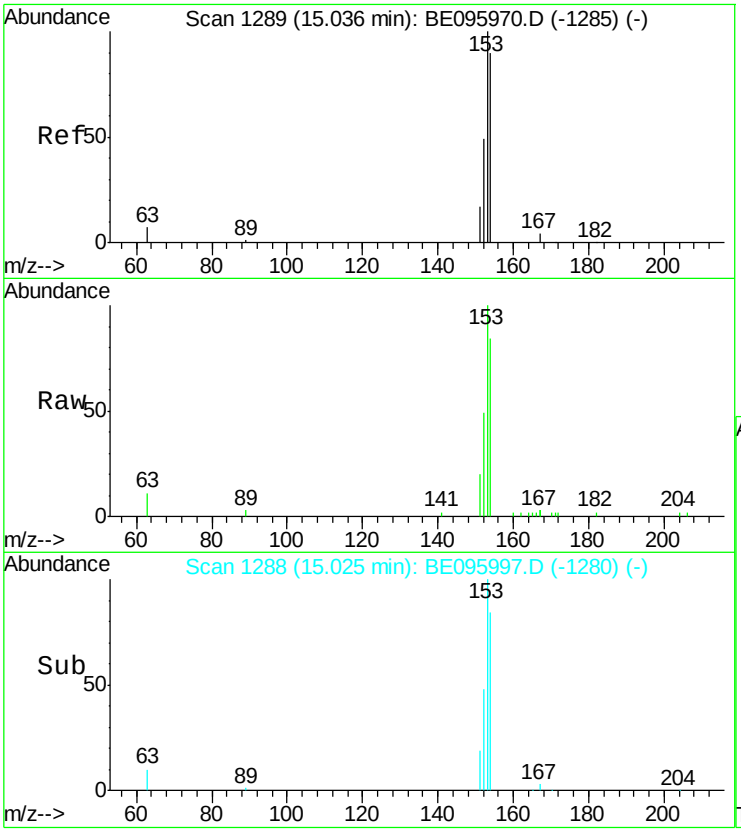


#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.69 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:152 Resp: 6104

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.6	10.5	15.7



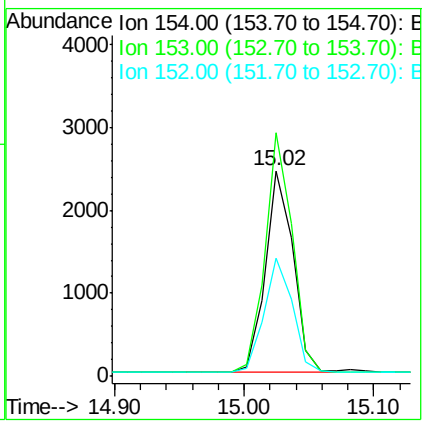


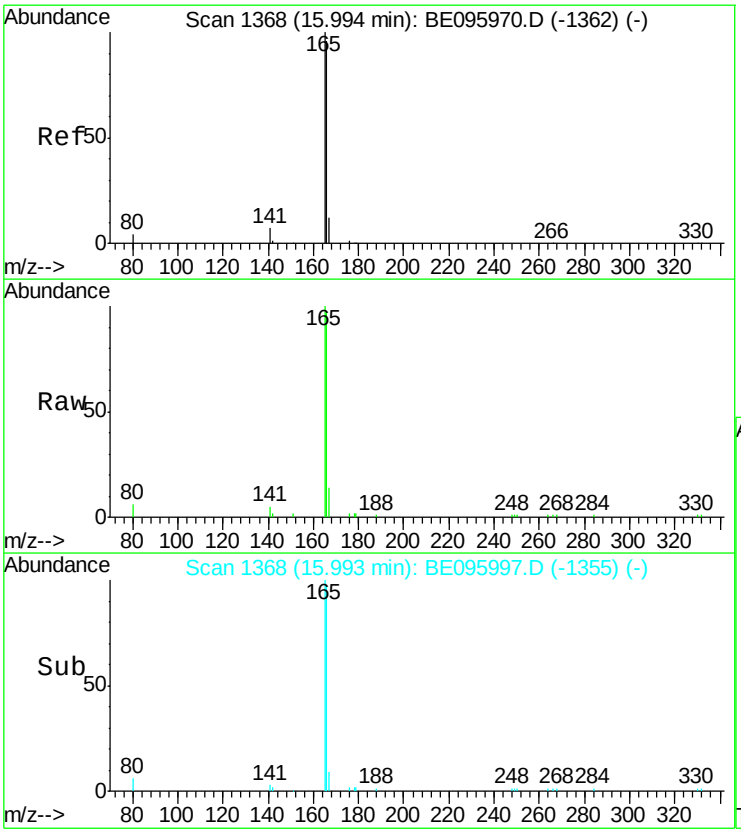
#17
Acenaphthene
Concen: 0.362 ng
RT: 15.02 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 3631

Ion	Ratio	Lower	Upper
154	100		
153	116.6	89.2	133.8
152	58.2	42.0	63.0

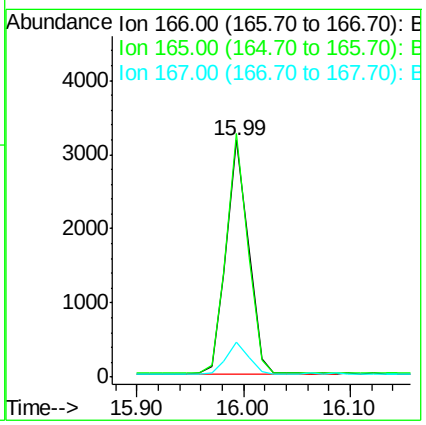


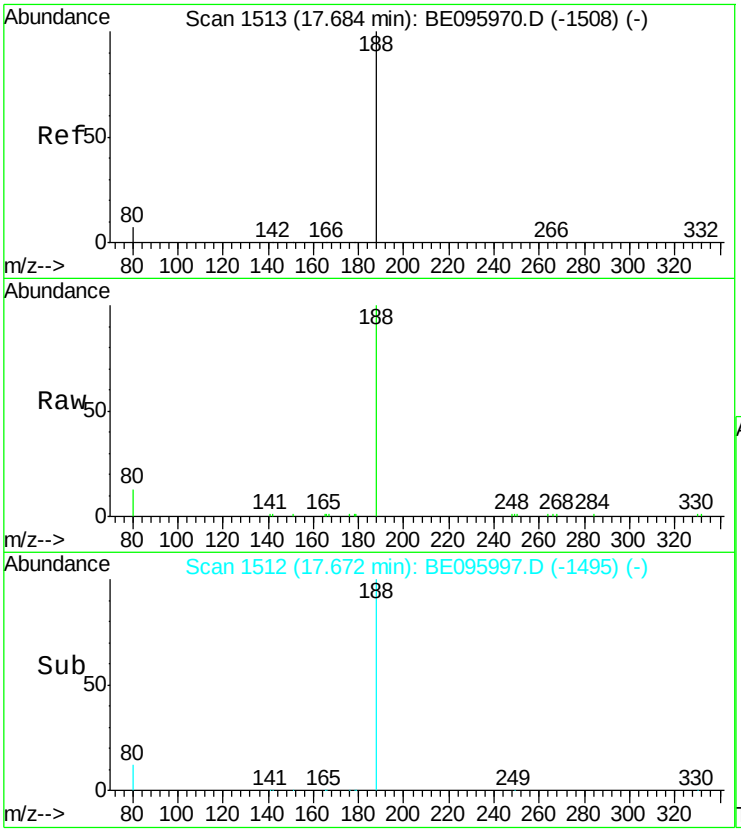


#18
Fluorene
Concen: 0.367 ng
RT: 15.99 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:166 Resp: 4556

Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.8	116.6
167	13.5	42.4	63.6#



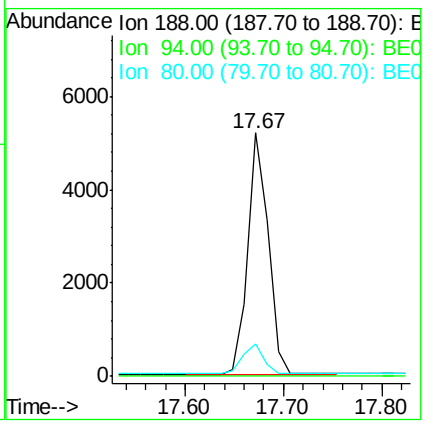


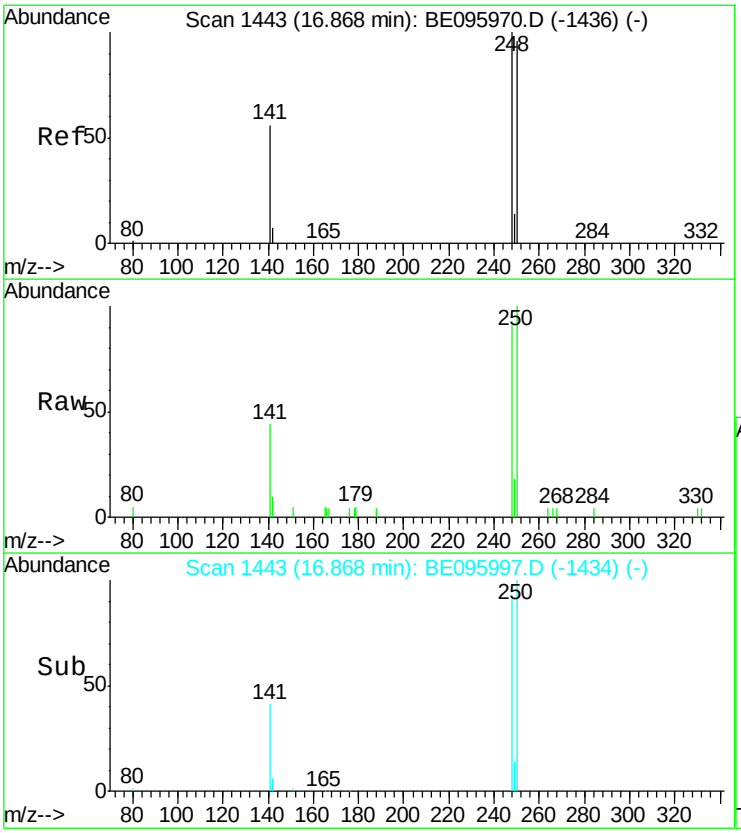
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 7438

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.4	3.6	5.4#

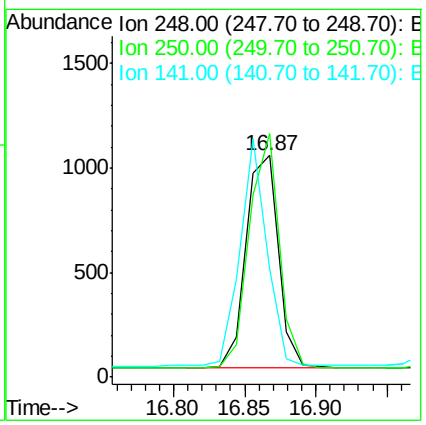


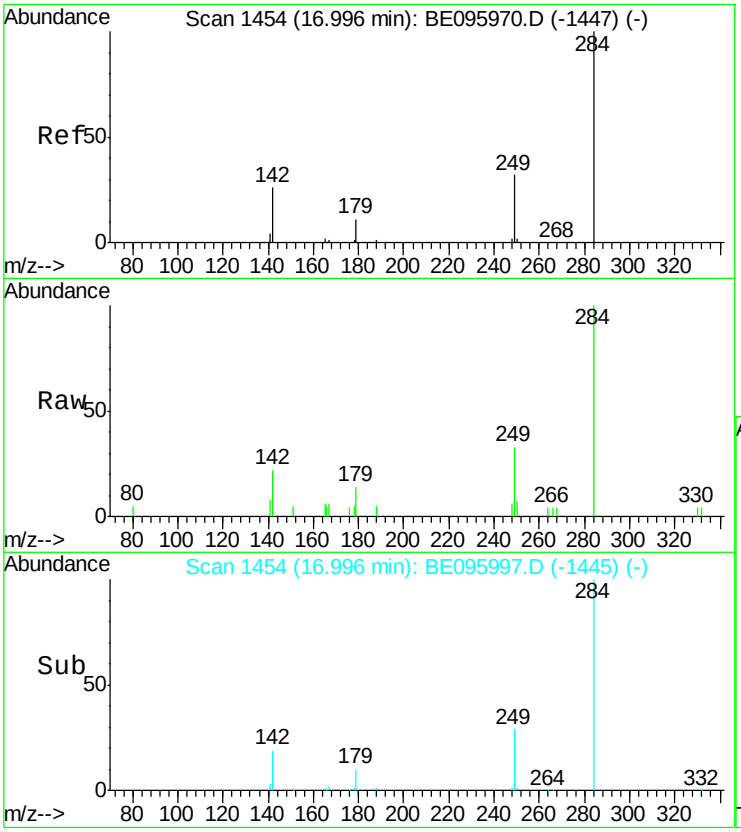


#20
4-Bromophenyl-phenylether
Concen: 0.360 ng
RT: 16.87 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:248 Resp: 1592

Ion	Ratio	Lower	Upper
248	100		
250	110.0	62.7	94.1#
141	48.8	48.2	72.2



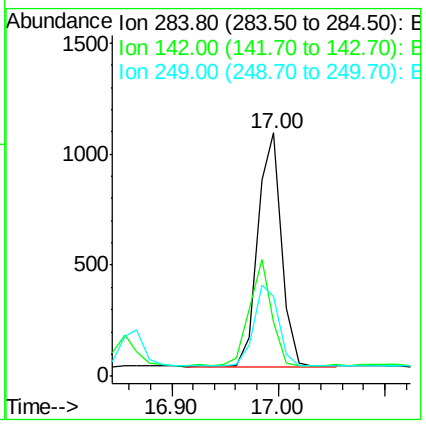


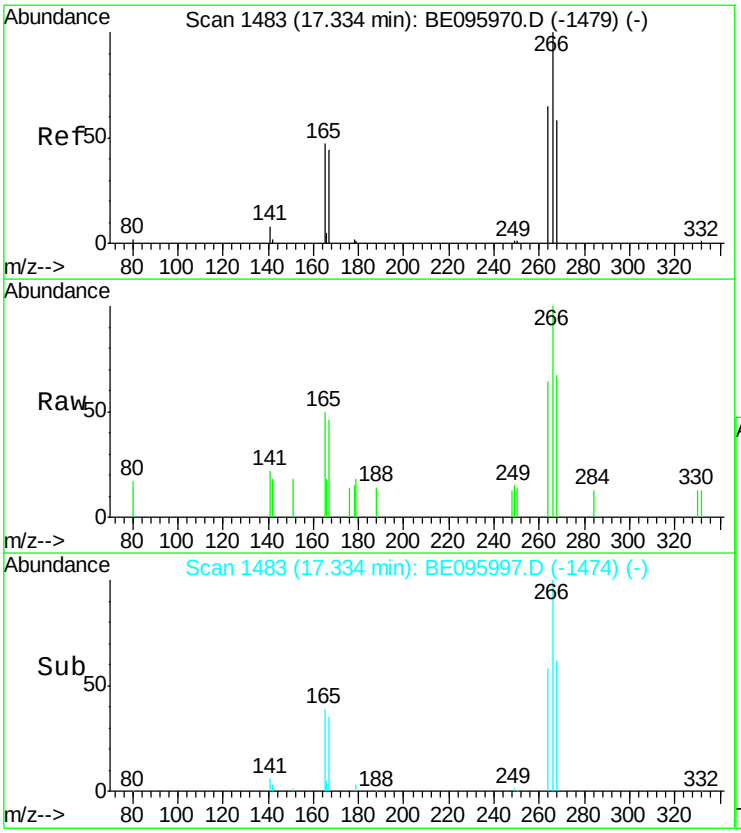
#21
Hexachlorobenzene
Concen: 0.368 ng
RT: 17.00 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1619

Ion	Ratio	Lower	Upper
284	100		
142	42.8	22.1	33.1#
249	36.2	34.8	52.2

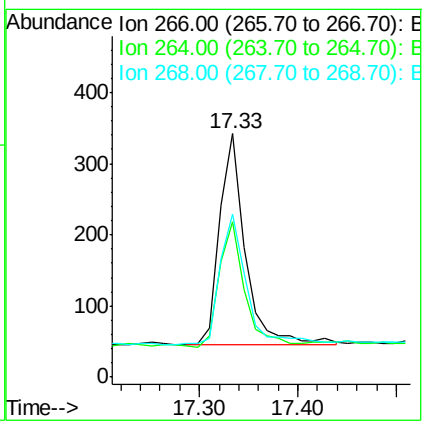


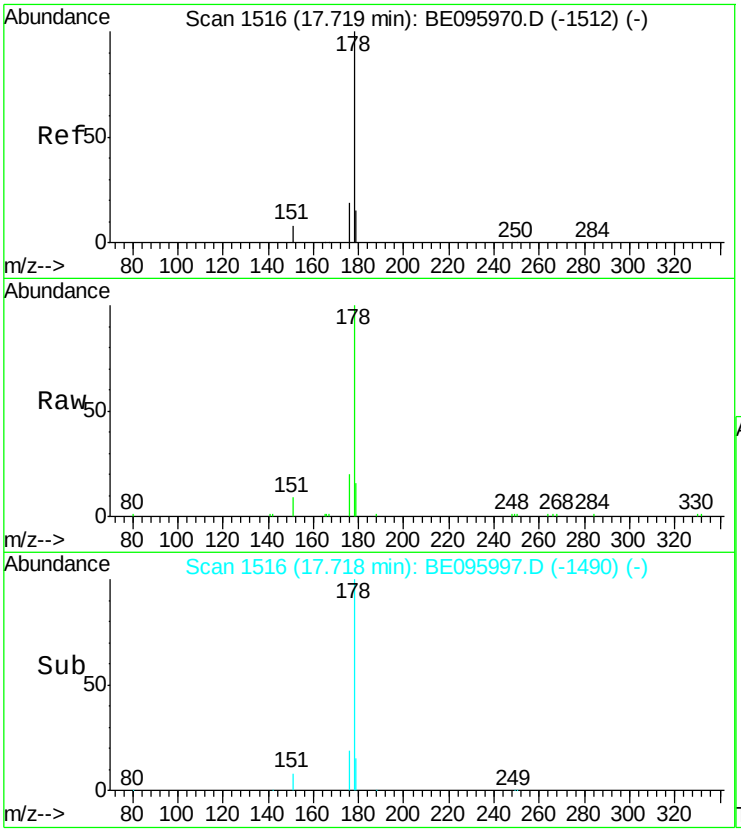


#22
Pentachlorophenol
Concen: 0.399 ng
RT: 17.33 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:266 Resp: 536

Ion	Ratio	Lower	Upper
266	100		
264	64.0	72.5	108.7#
268	67.0	73.8	110.6#



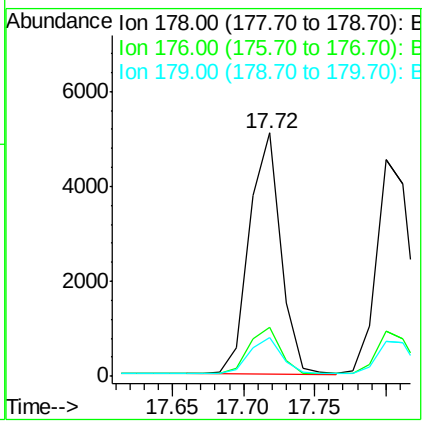


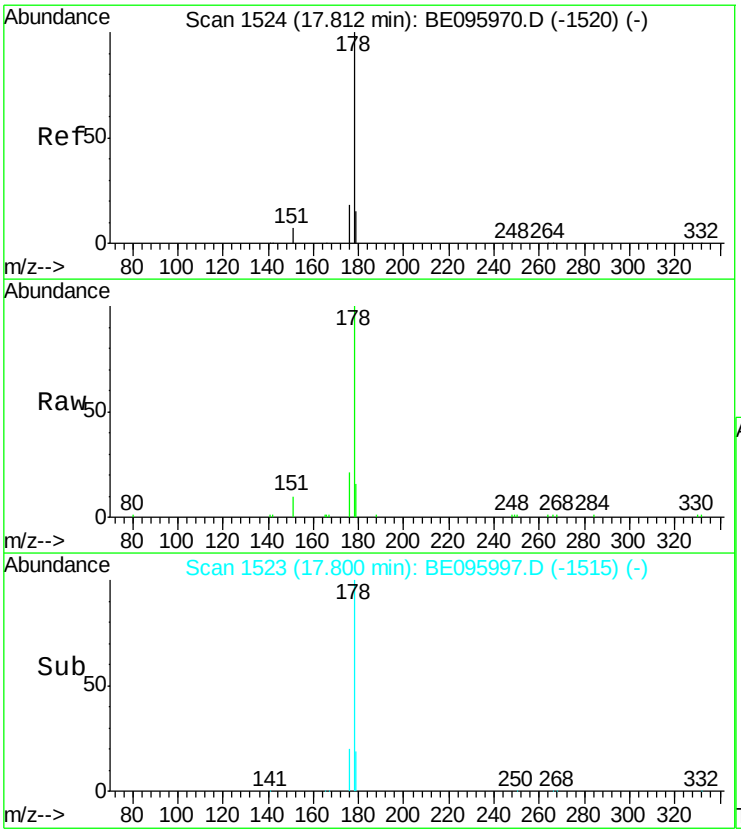
#23
Phenanthrene
Concen: 0.372 ng
RT: 17.72 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7763

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	14.8	11.8	17.6

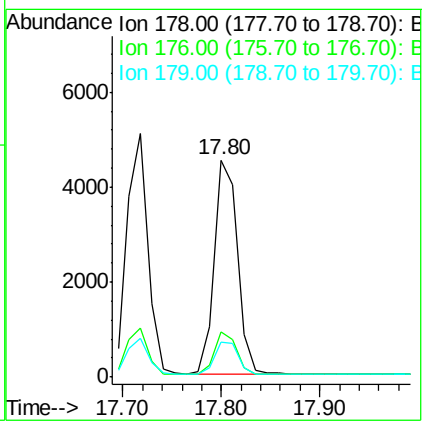


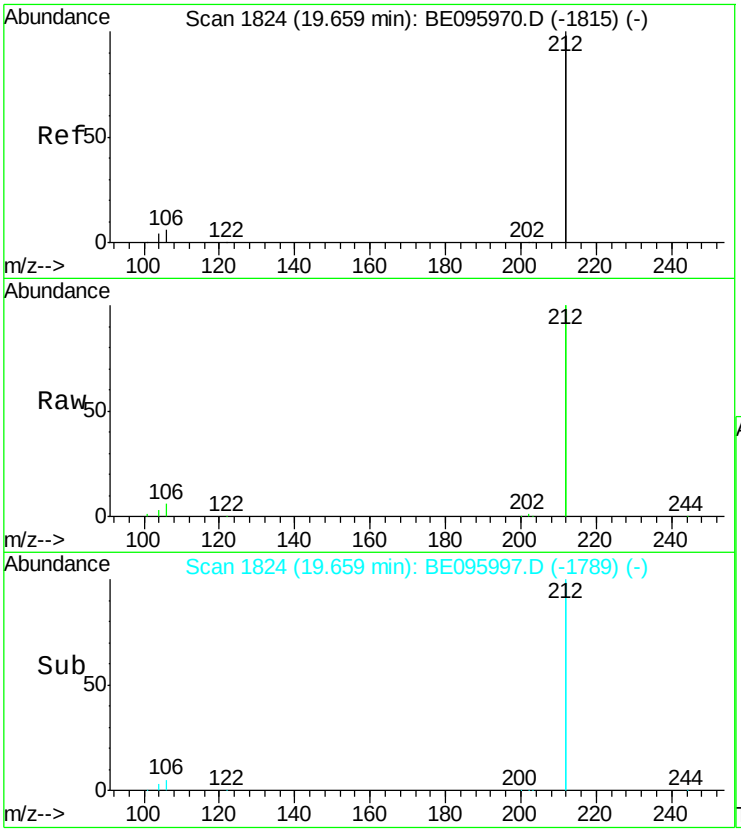


#24
Anthracene
Concen: 0.371 ng
RT: 17.80 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:178 Resp: 7403

Ion	Ratio	Lower	Upper
178	100		
176	19.4	12.8	19.2#
179	15.3	13.0	19.6



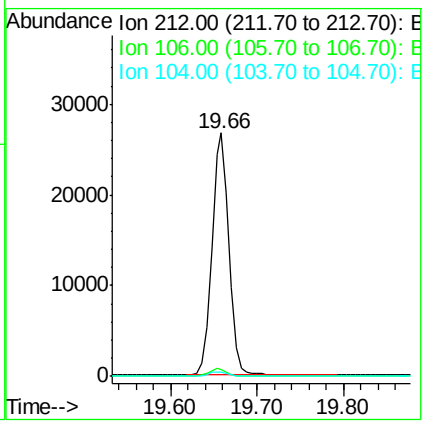


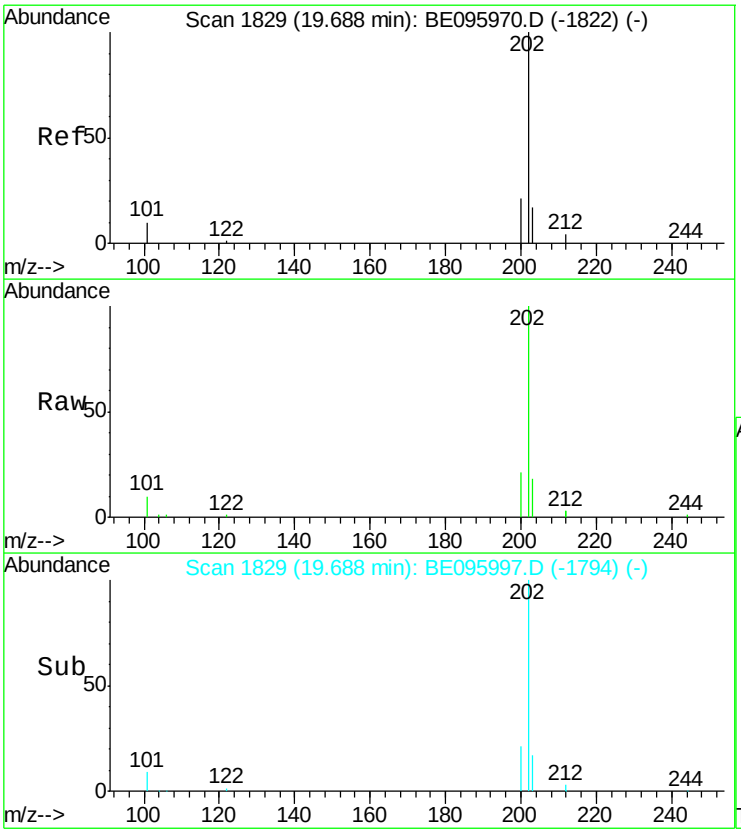
#25
Fluoranthene-d10
Concen: 0.361 ng
RT: 19.66 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 36483

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

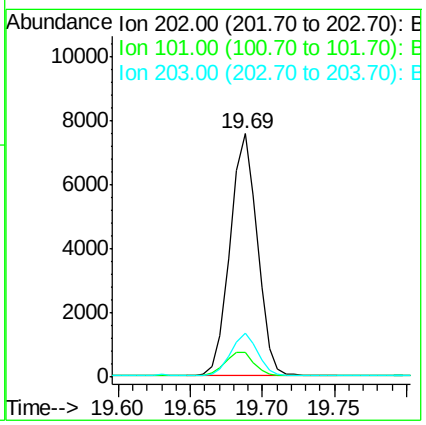


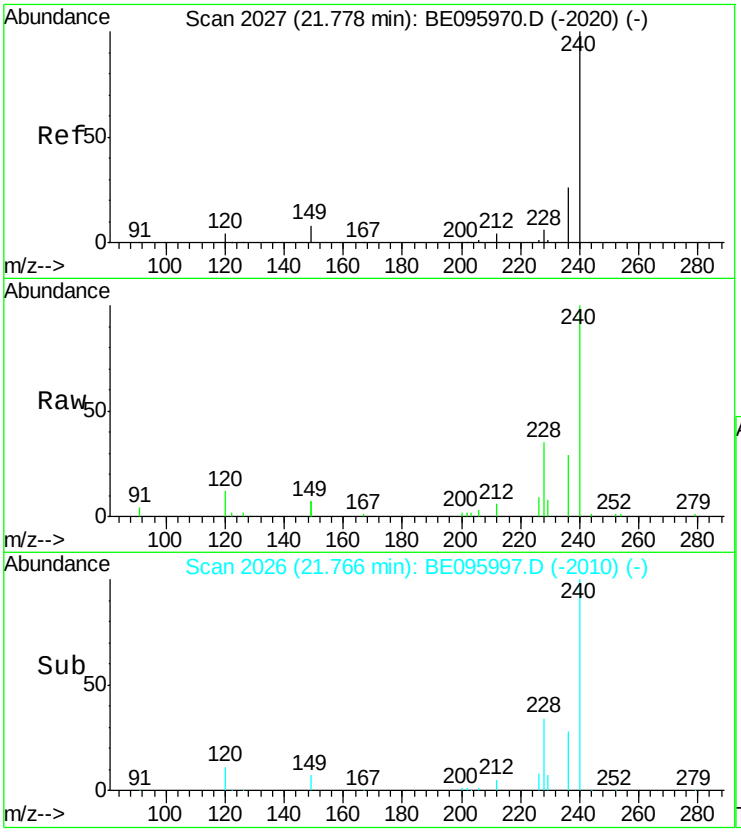


#26
Fluoranthene
Concen: 0.360 ng
RT: 19.69 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:202 Resp: 9892

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.8
203	17.2	13.7	20.5



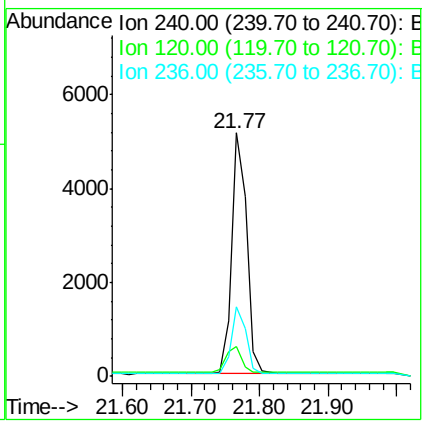


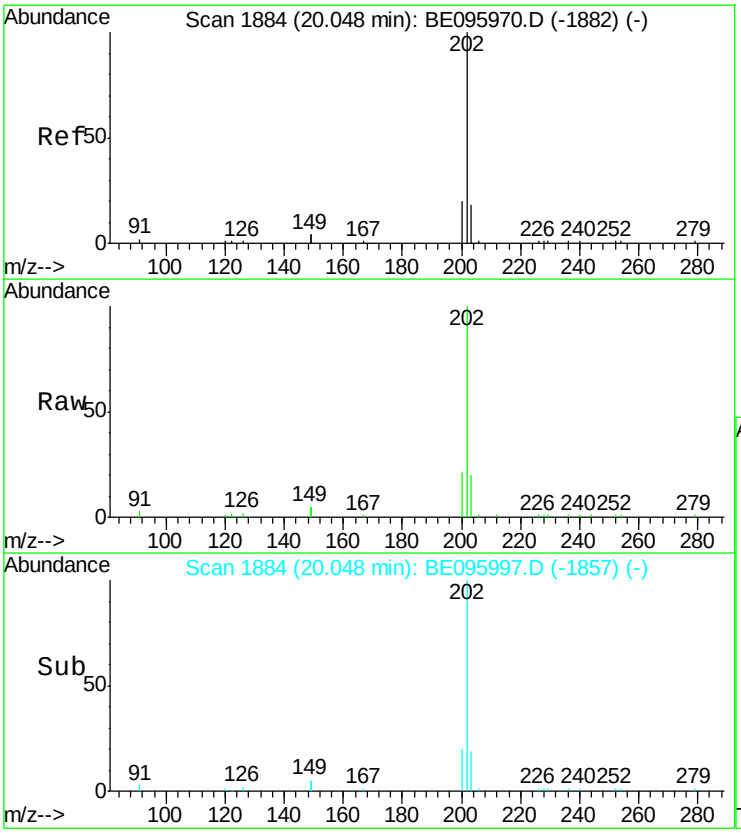
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.77 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 7796

Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.5	8.3#
236	28.5	20.7	31.1

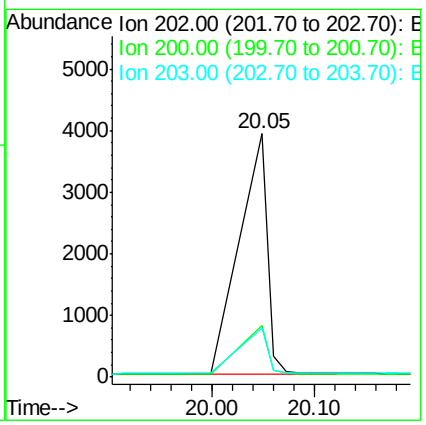


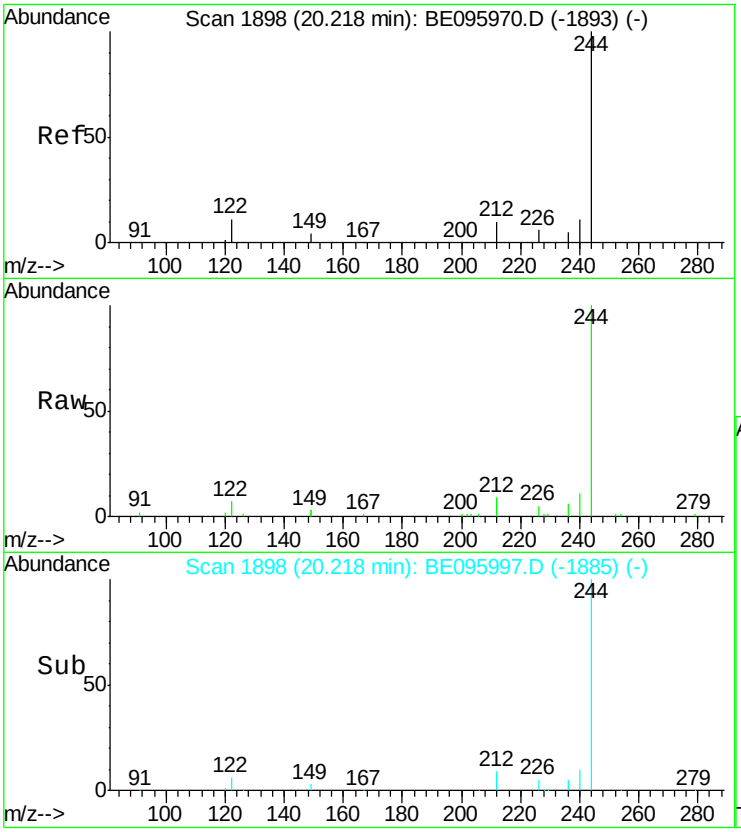


#28
Pyrene
Concen: 0.223 ng
RT: 20.05 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:202 Resp: 3416

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.6	25.0
203	21.4	13.8	20.8#



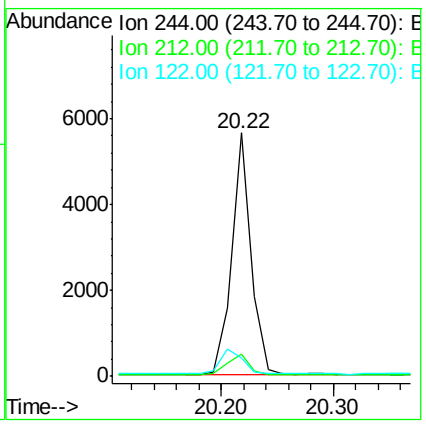


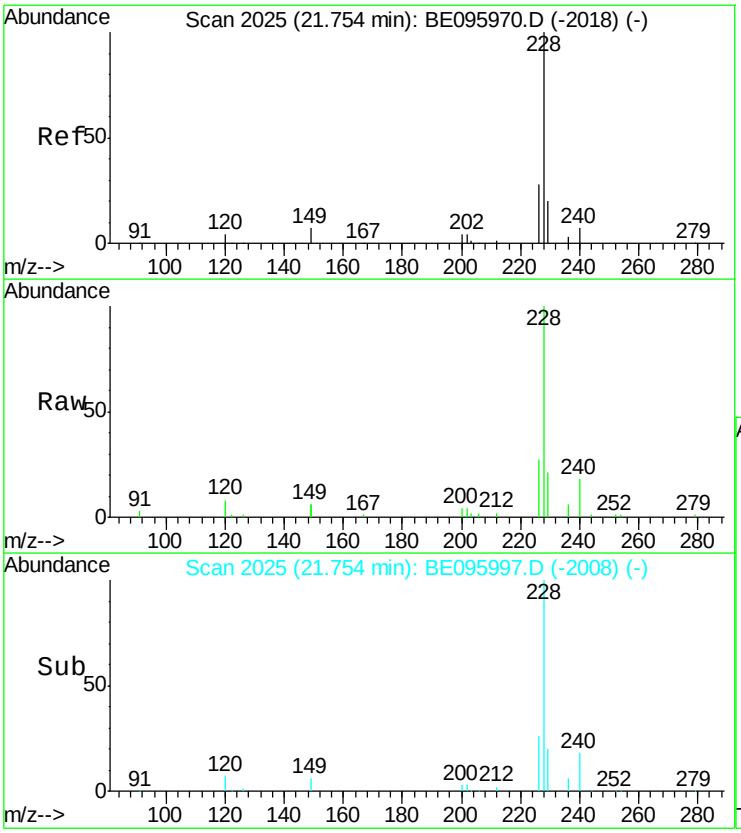
#29
Terphenyl-d14
Concen: 0.387 ng
RT: 20.22 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6668

Ion	Ratio	Lower	Upper
244	100		
212	9.3	25.4	38.0#
122	7.4	8.1	12.1#

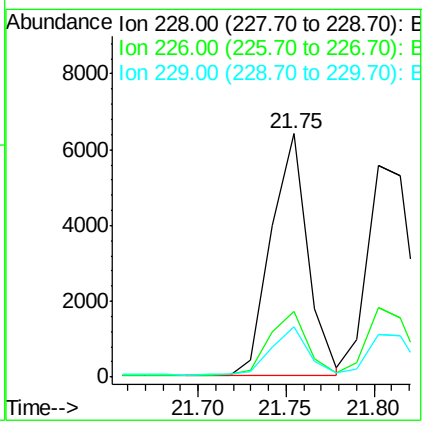


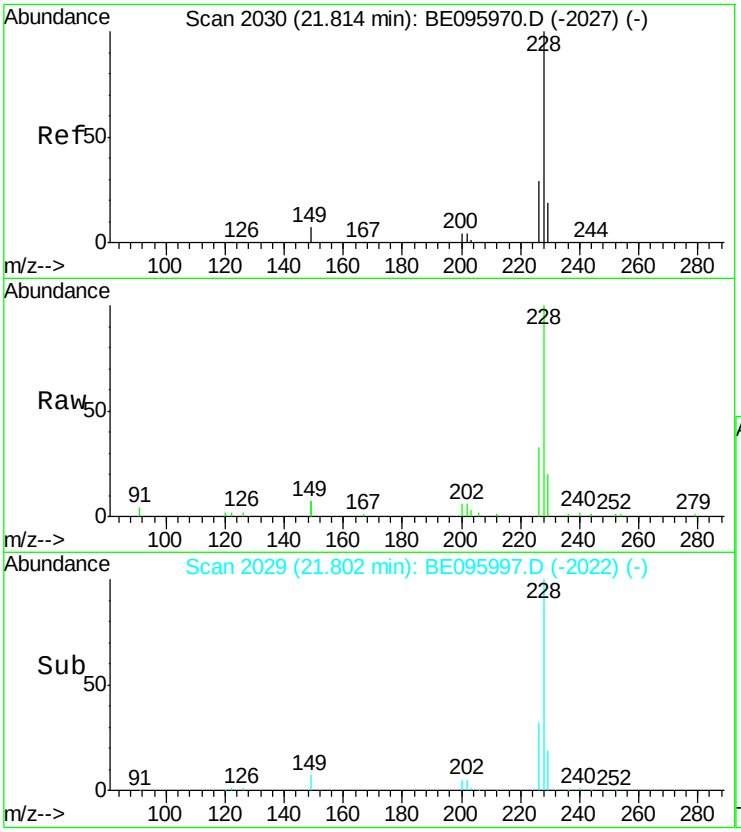


#30
Benzo(a)anthracene
Concen: 0.367 ng
RT: 21.75 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:228 Resp: 9179

Ion	Ratio	Lower	Upper
228	100		
226	27.1	24.0	36.0
229	20.8	16.0	24.0



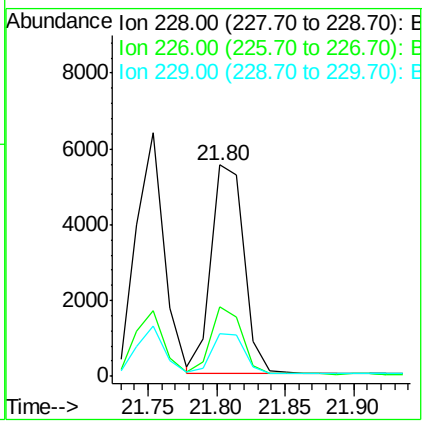


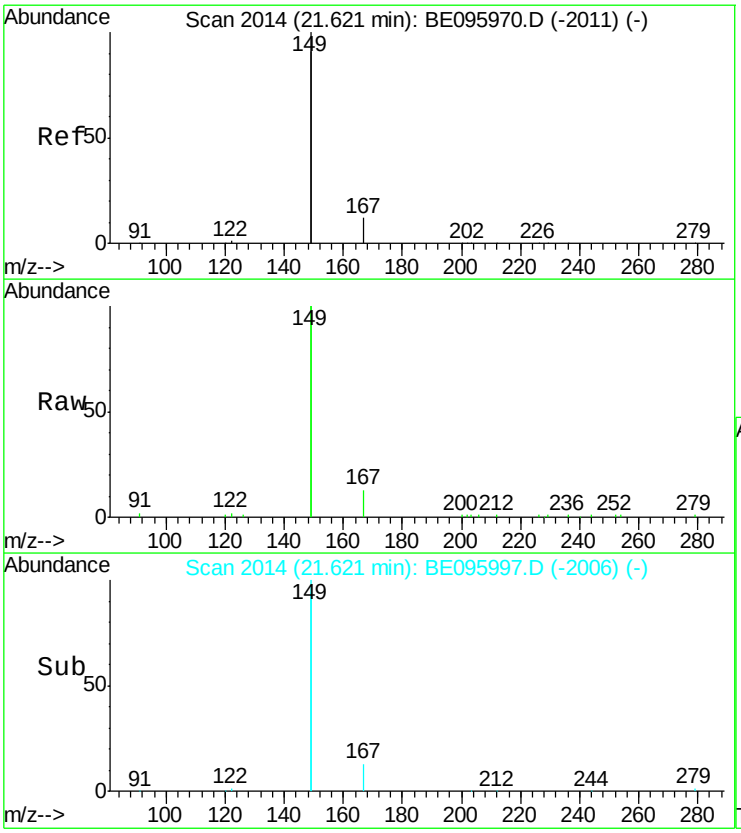
#31
Chrysene
Concen: 0.380 ng
RT: 21.80 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 9177

Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.0	36.0
229	20.0	16.0	24.0

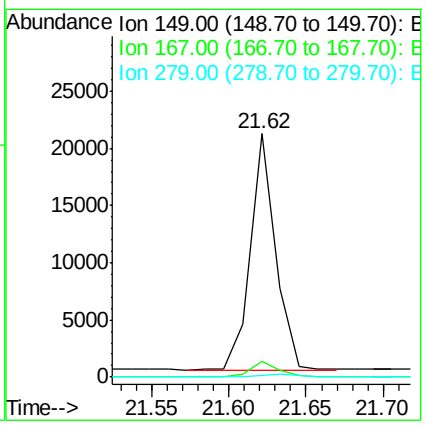


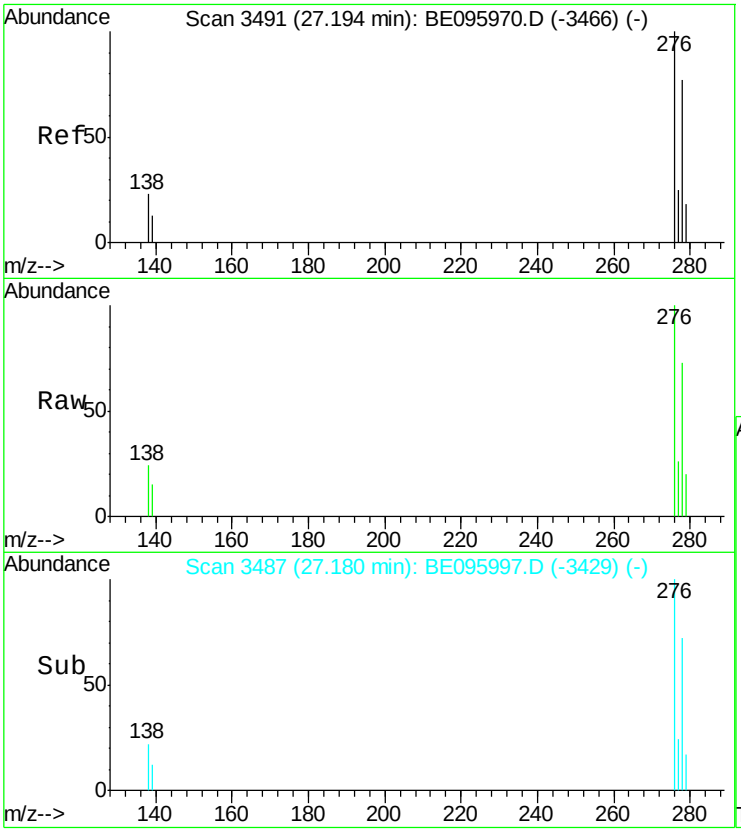


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.364 ng
RT: 21.62 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:149 Resp: 23502

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.0	0.7	1.1



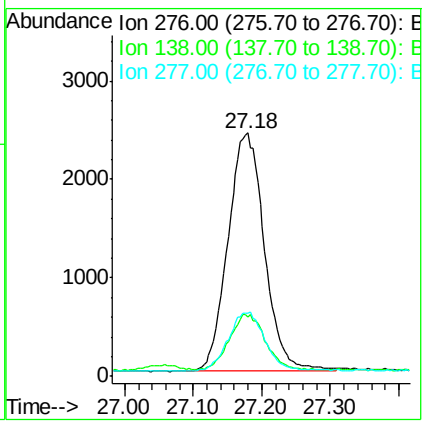


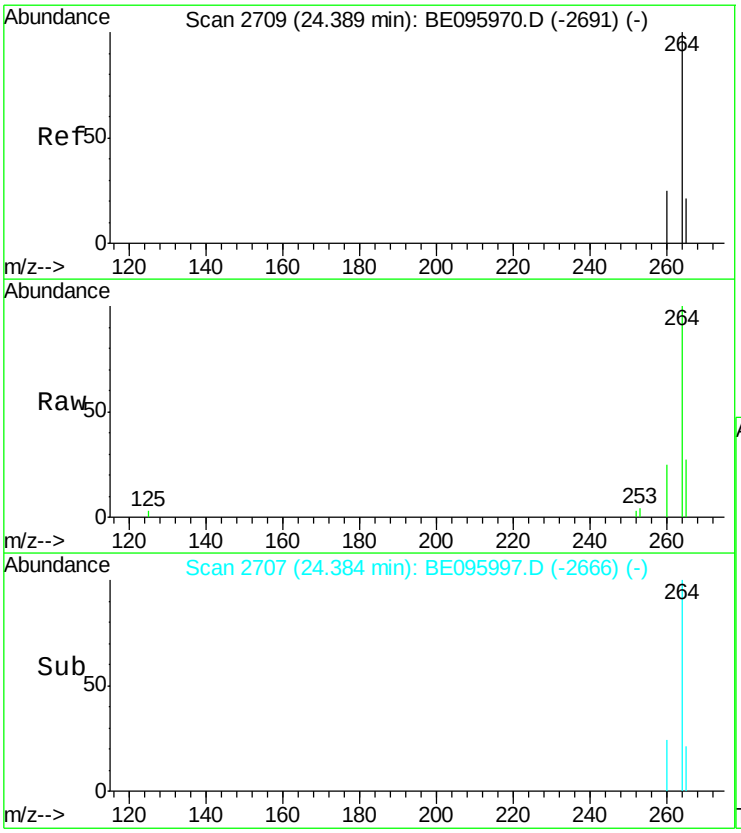
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 27.18 min Scan# 3487
Delta R.T. 0.01 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8944

Ion	Ratio	Lower	Upper
276	100		
138	23.0	22.5	33.7
277	24.2	19.9	29.9

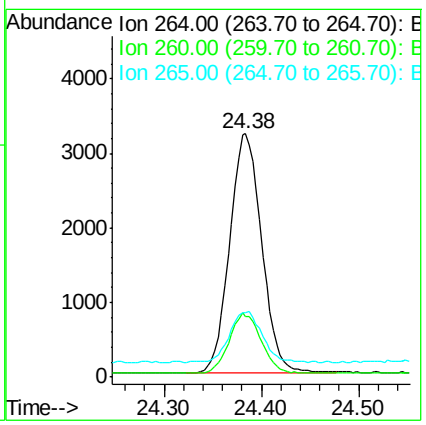


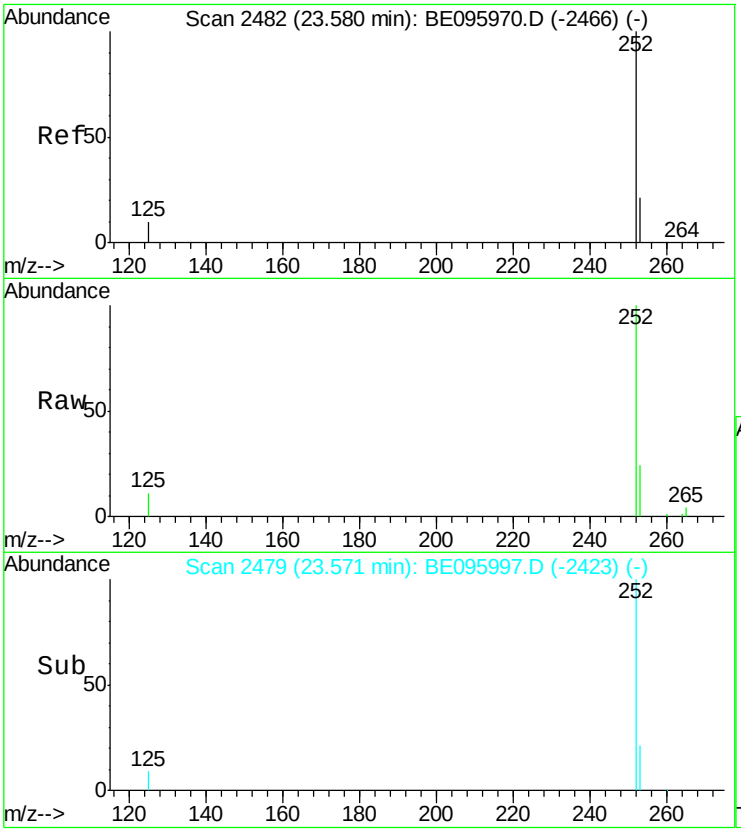


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.38 min Scan# 2707
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:264 Resp: 7357

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	26.7	22.8	34.2



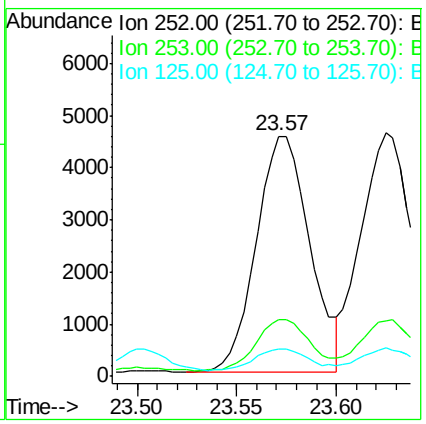


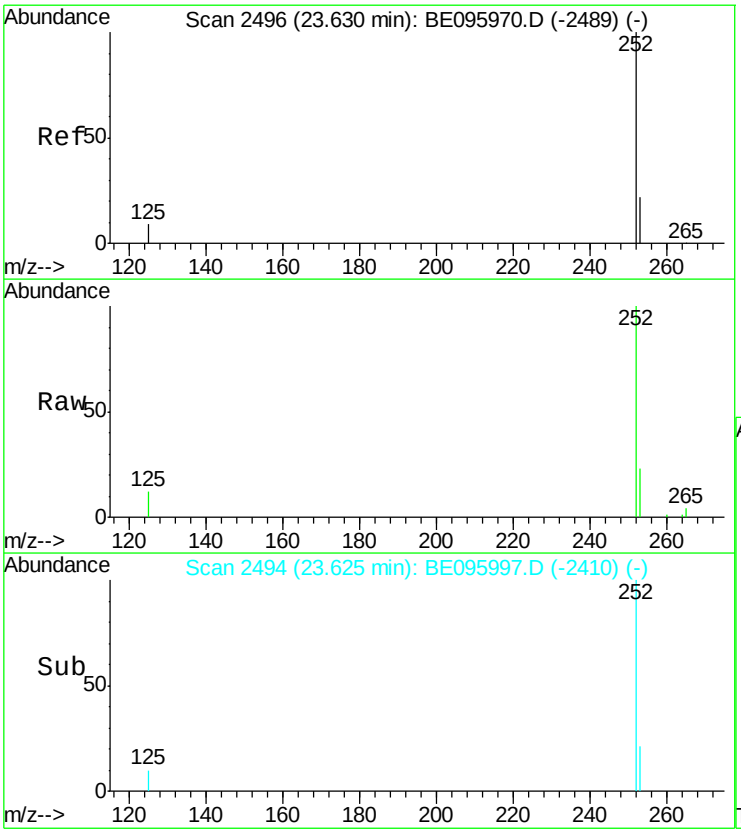
#35
Benzo(b)fluoranthene
Concen: 0.382 ng
RT: 23.57 min Scan# 2479
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8422

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	11.3	16.0	24.0#

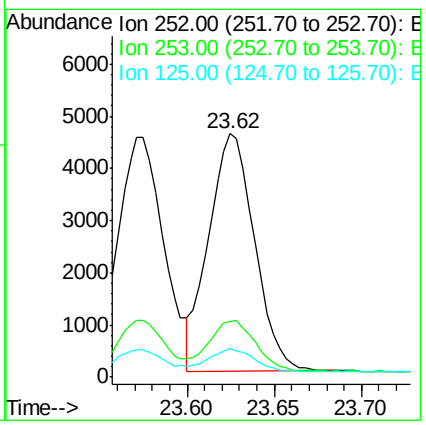


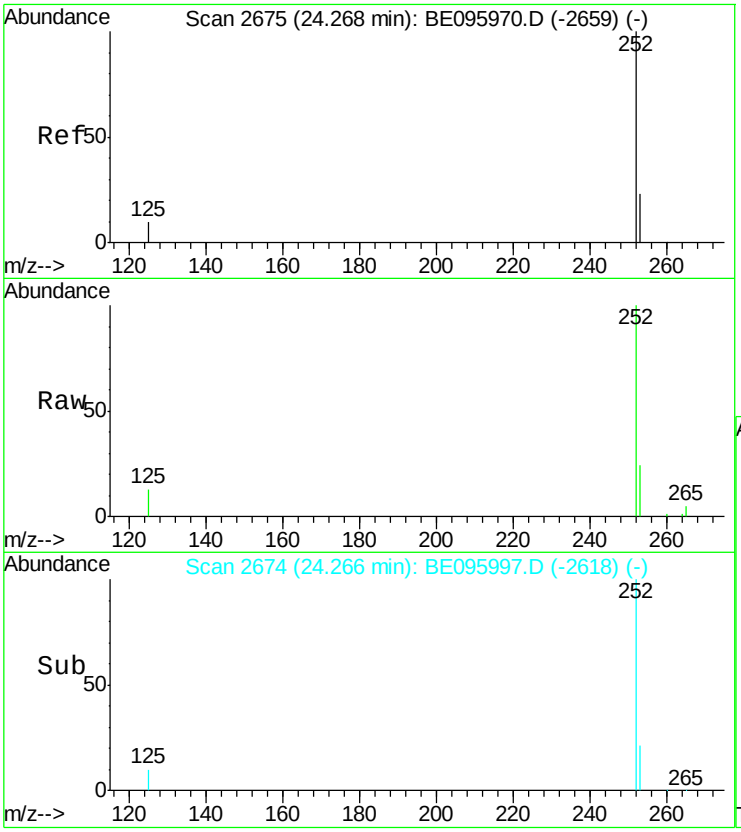


#36
Benzo(k)fluoranthene
Concen: 0.366 ng
RT: 23.62 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:252 Resp: 8318

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.0	24.0
125	11.9	8.0	12.0



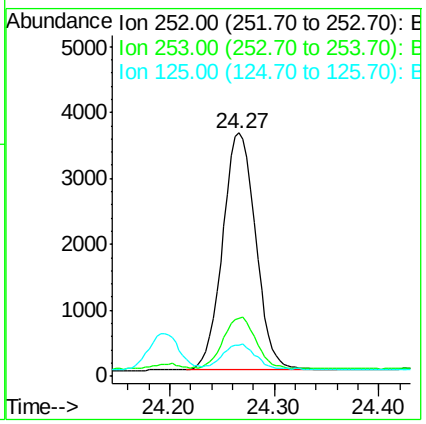


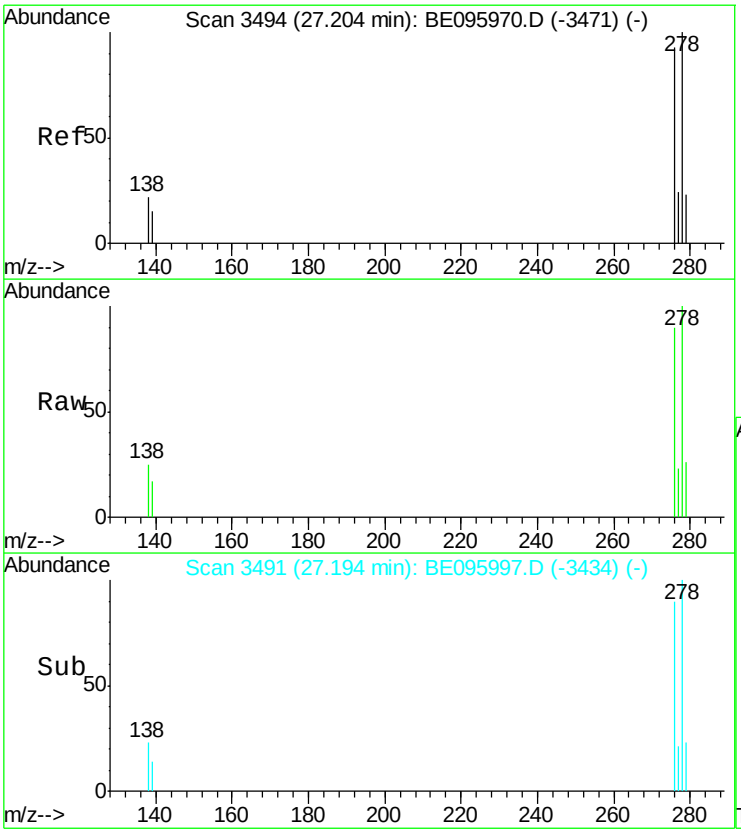
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 24.27 min Scan# 2674
Delta R.T. -0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 7920

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	12.8	12.0	18.0

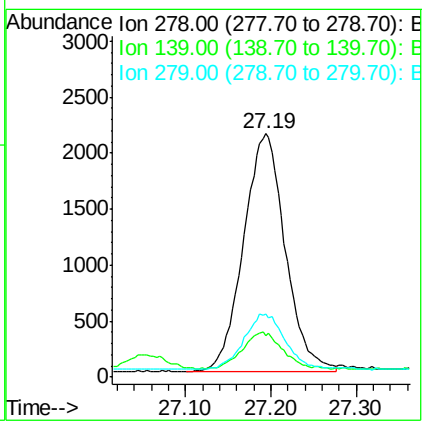


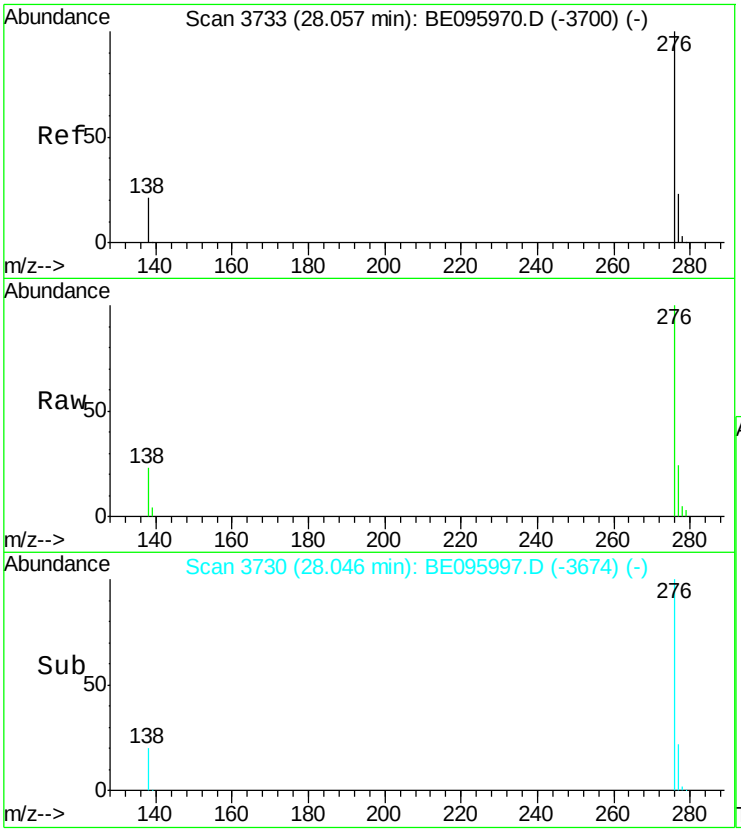


#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 27.19 min Scan# 3491
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Tgt Ion:278 Resp: 7178

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	25.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.379 ng
RT: 28.05 min Scan# 3730
Delta R.T. 0.00 min
Lab File: BE095997.D
Acq: 13 Apr 2018 15:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 7491

Ion	Ratio	Lower	Upper
276	100		
277	24.1	16.0	24.0#
138	22.6	20.0	30.0