Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
Data File : BE096938.D
Acq On : 16 Jul 2018 14:16
Operator : SJ/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.8

Quant Time: Jul 16 18:01:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 16 16:27:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2211	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	11819	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	6360	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	14817	0.40	ng		-0.01
27) Chrysene-d12	20.98	240	12812	0.40	ng		0.00
34) Perylene-d12	23.21	264	10685	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	3833	0.72	ng		0.00
5) Phenol-d6	6.59	99	5862	0.73	ng		0.00
8) Nitrobenzene-d5	8.53	82	6447	0.75	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	12894	0.75	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	1147	0.73	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	17693	0.75	ng		0.00
25) Fluoranthene-d10	18.81	212	97373	0.76	ng		0.00
29) Terphenyl-d14	19.43	244	18495	0.75	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	2264	0.715	ng	#	85
3) n-Nitrosodimethylamine	3.38	42	2773	0.779	ng	#	89
6) bis(2-Chloroethyl)ether	6.84	93	5921	0.748	ng		97
9) Naphthalene	10.20	128	79946	0.756	ng		99
10) Hexachlorobutadiene	10.50	225	3200	0.748	ng		98
12) 2-Methylnaphthalene	11.81	142	13388	0.746	ng		99
16) Acenaphthylene	13.74	152	21879	0.753	ng		100
17) Acenaphthene	14.08	154	13801	0.764	ng		94
18) Fluorene	15.08	166	15228	0.751	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	5169	0.738	ng	#	70
21) Hexachlorobenzene	16.08	284	5737	0.737	ng	#	80
22) Pentachlorophenol	16.43	266	1058	0.771	ng	#	72
23) Phenanthrene	16.81	178	26687	0.752	ng		99
24) Anthracene	16.91	178	23014	0.745	ng		96
26) Fluoranthene	18.84	202	28813	0.770	ng		99
28) Pyrene	19.21	202	27962	0.739	ng		99
30) Benzo(a)anthracene	20.97	228	23264	0.763	ng		96
31) Chrysene	21.02	228	25674	0.750	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	21288	0.699	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	18767	0.715	ng		95
35) Benzo(b)fluoranthene	22.54	252	20852	0.765	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	24372	0.751	ng		97
37) Benzo(a)pyrene	23.11	252	18568	0.761	ng	#	93
38) Dibenzo(a,h)anthracene	25.53	278	15375	0.720	ng		97
39) Benzo(g,h,i)perylene	26.21	276	16930	0.705	ng	#	92

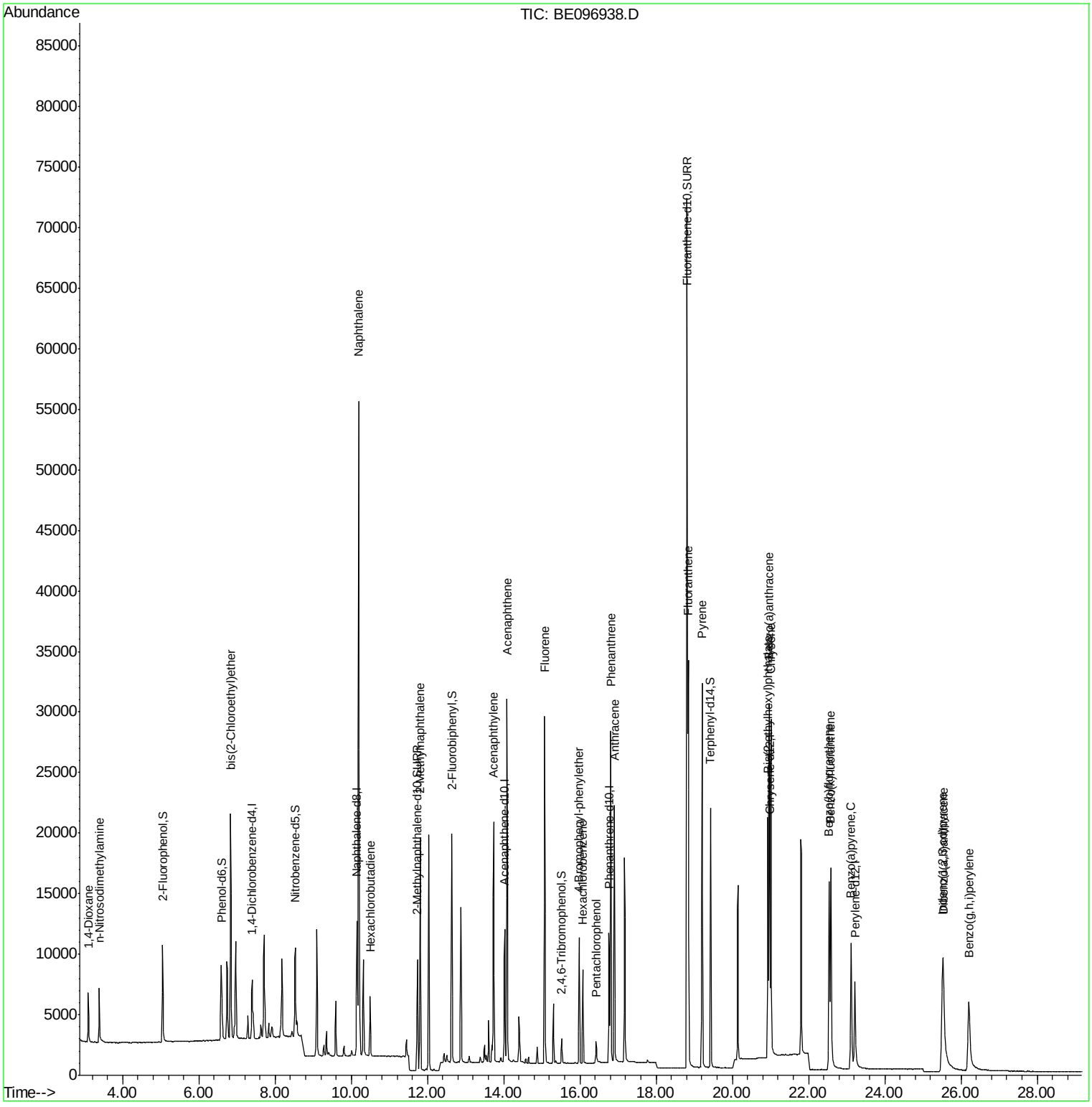
(#) = qualifier out of range (m) = manual integration (+) = signals summed

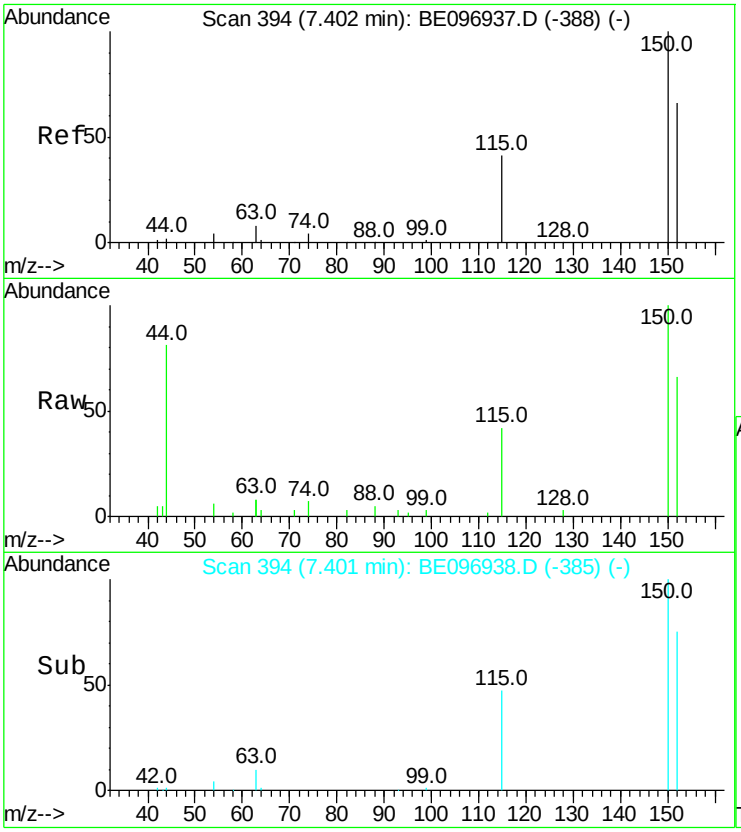
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
Data File : BE096938.D
Acq On : 16 Jul 2018 14:16
Operator : SJ/JU
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Quant Time: Jul 16 18:01:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 16 16:27:17 2018
Response via : Initial Calibration



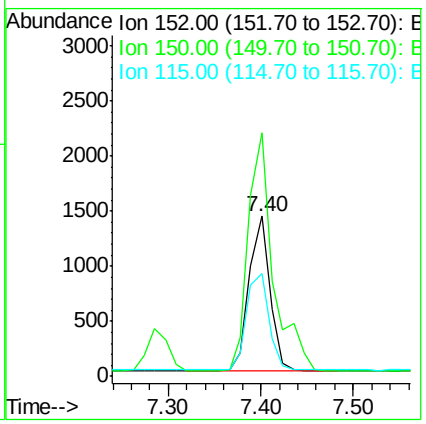


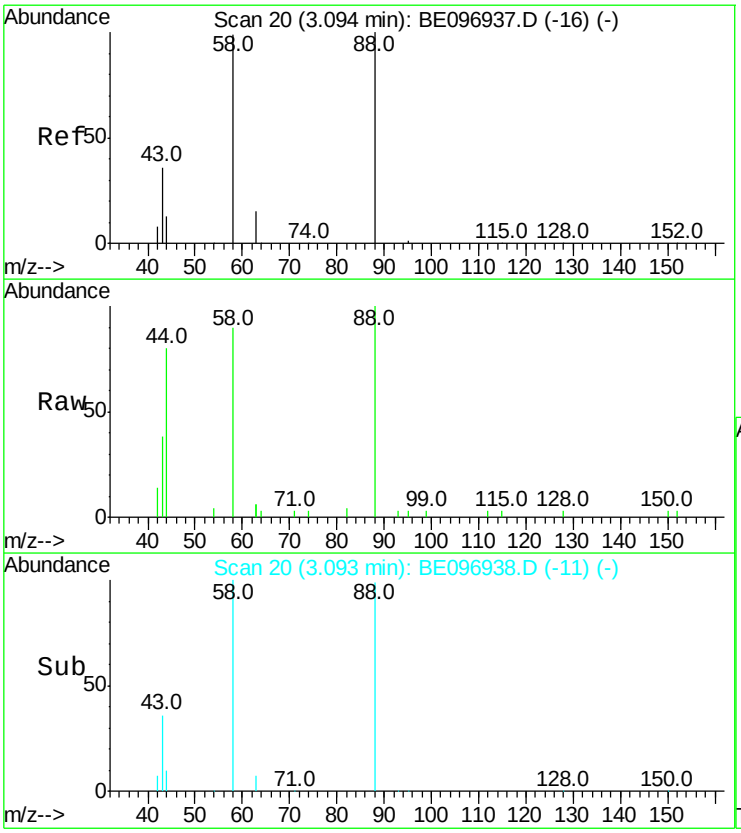
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 2211

Ion	Ratio	Lower	Upper
152	100		
150	151.9	117.2	175.8
115	64.4	57.0	85.6

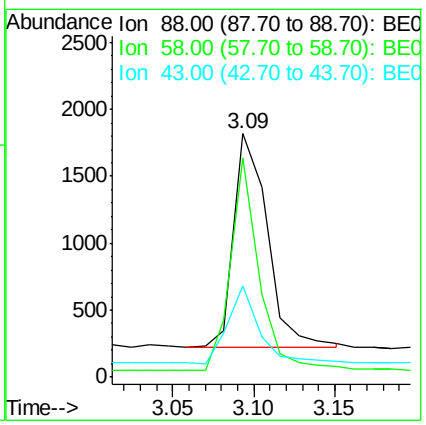


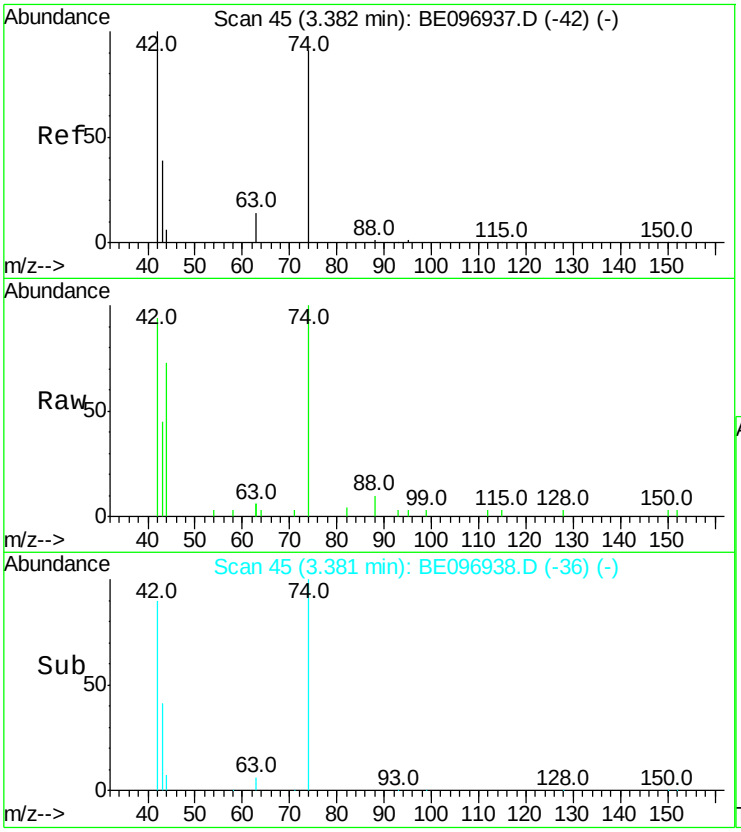


#2
1,4-Dioxane
Concen: 0.715 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion: 88 Resp: 2264

Ion	Ratio	Lower	Upper
88	100		
58	85.2	63.2	94.8
43	33.1	41.2	61.8#



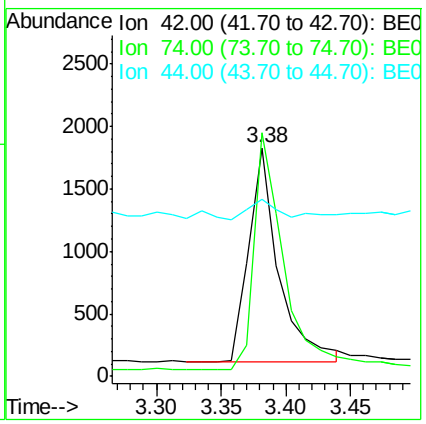


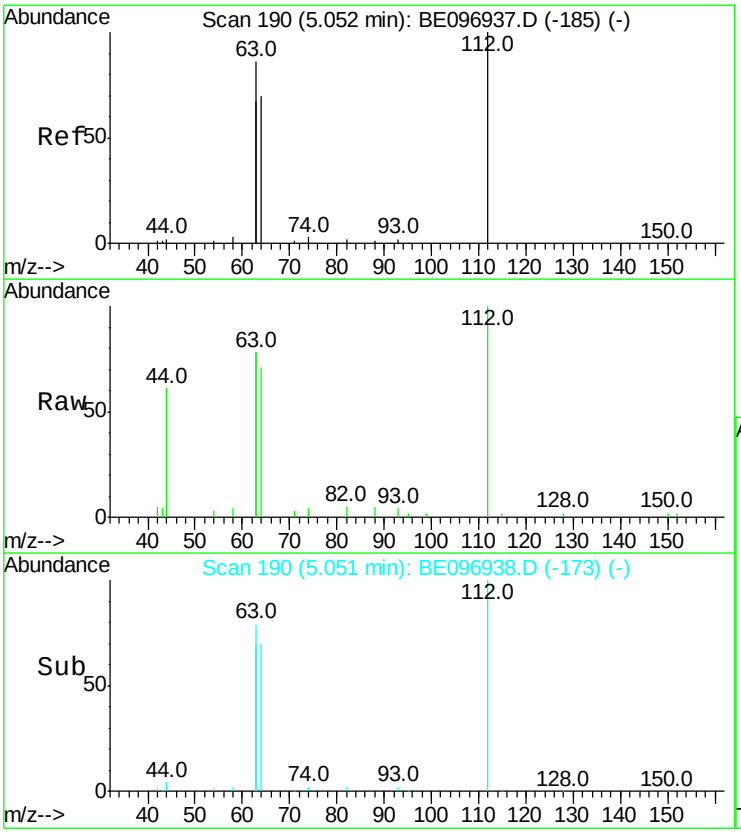
#3
n-Nitrosodimethylamine
Concen: 0.779 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 2773

Ion	Ratio	Lower	Upper
42	100		
74	107.3	96.0	144.0
44	10.3	12.0	18.0#

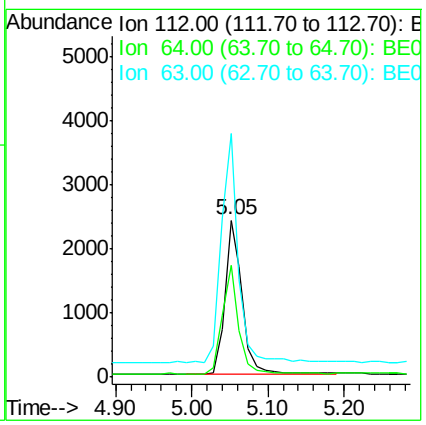


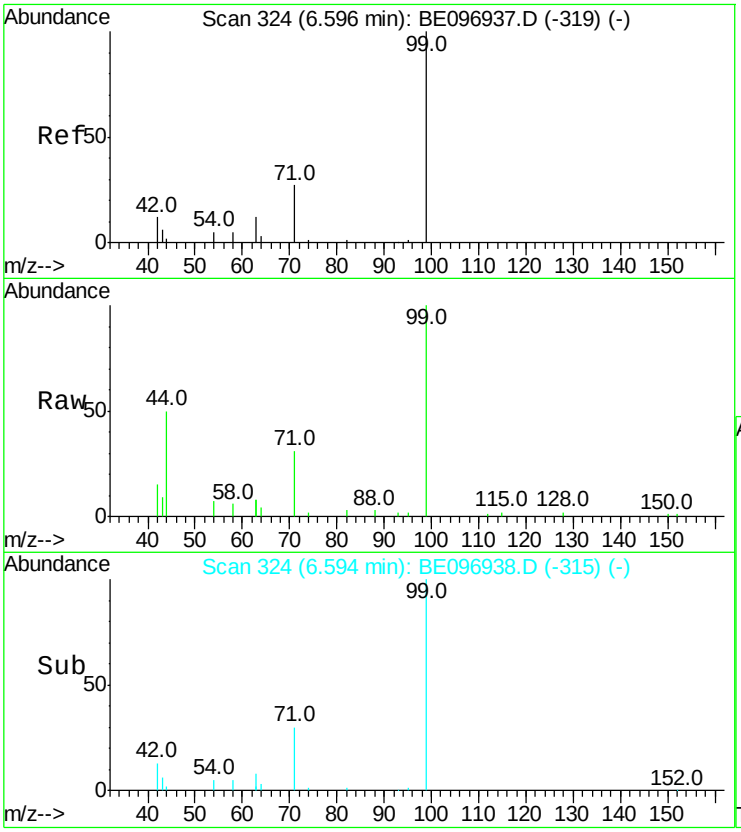


#4
2-Fluorophenol
Concen: 0.725 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:112 Resp: 3833

Ion	Ratio	Lower	Upper
112	100		
64	67.2	60.1	90.1
63	146.4	116.8	175.2



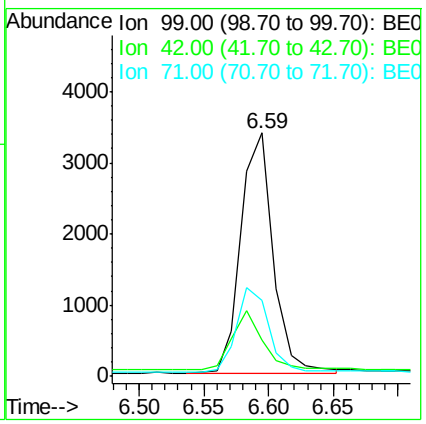


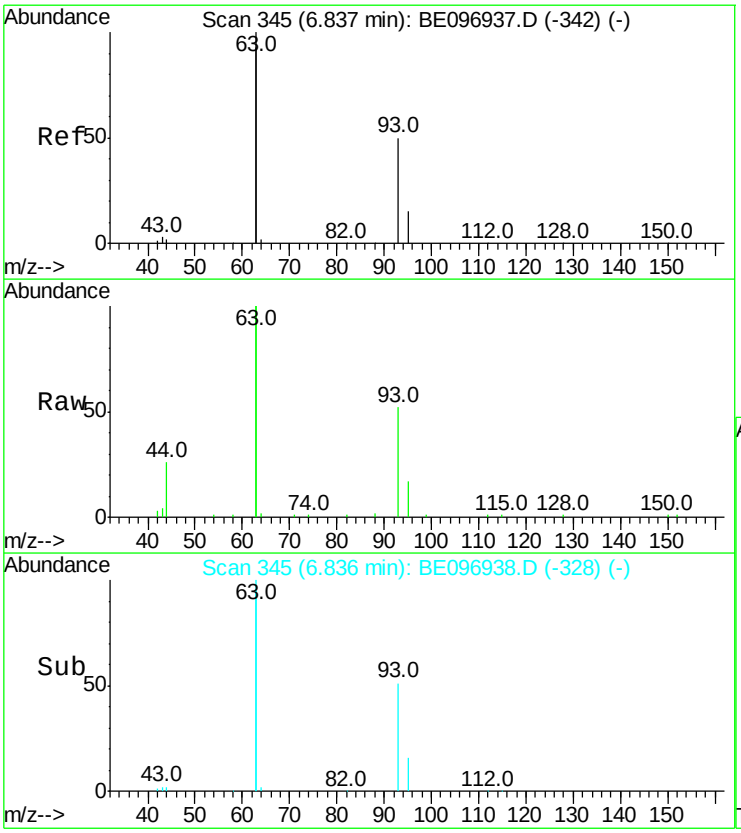
#5
Phenol-d6
Concen: 0.726 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 5862

Ion	Ratio	Lower	Upper
99	100		
42	23.9	20.2	30.2
71	35.9	28.4	42.6

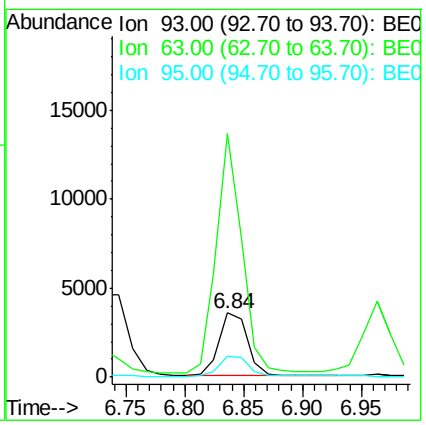


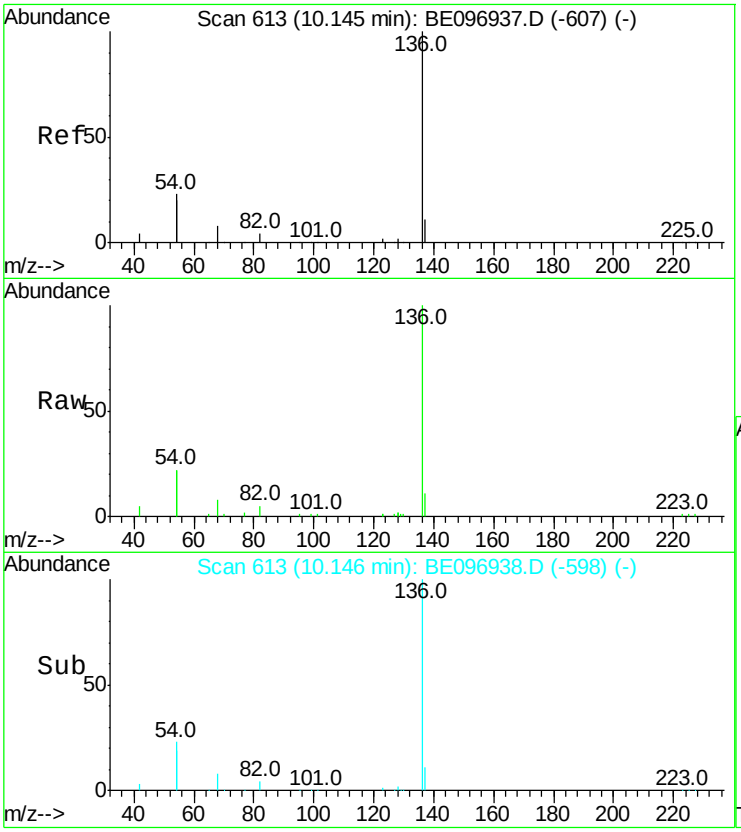


#6
bis(2-Chloroethyl)ether
Concen: 0.748 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion: 93 Resp: 5921

Ion	Ratio	Lower	Upper
93	100		
63	336.9	275.3	412.9
95	32.2	25.2	37.8



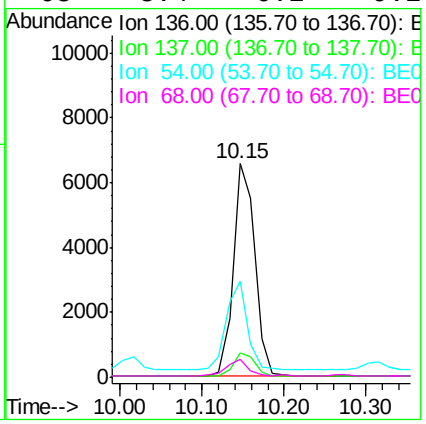


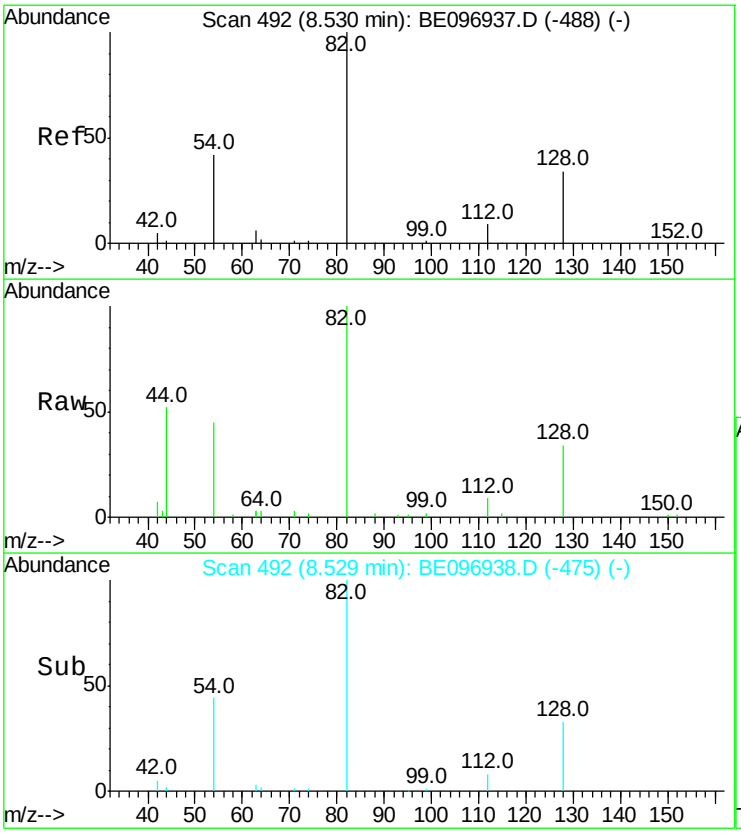
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 11819

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	44.8	29.1	43.7#
68	8.4	6.2	9.2

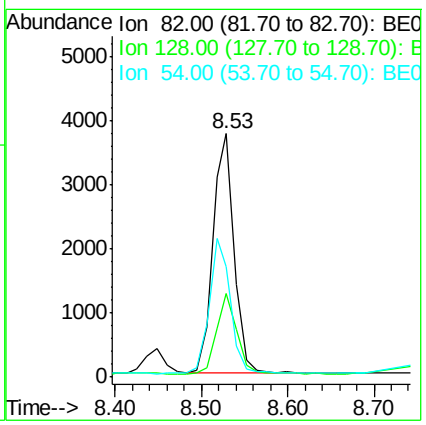


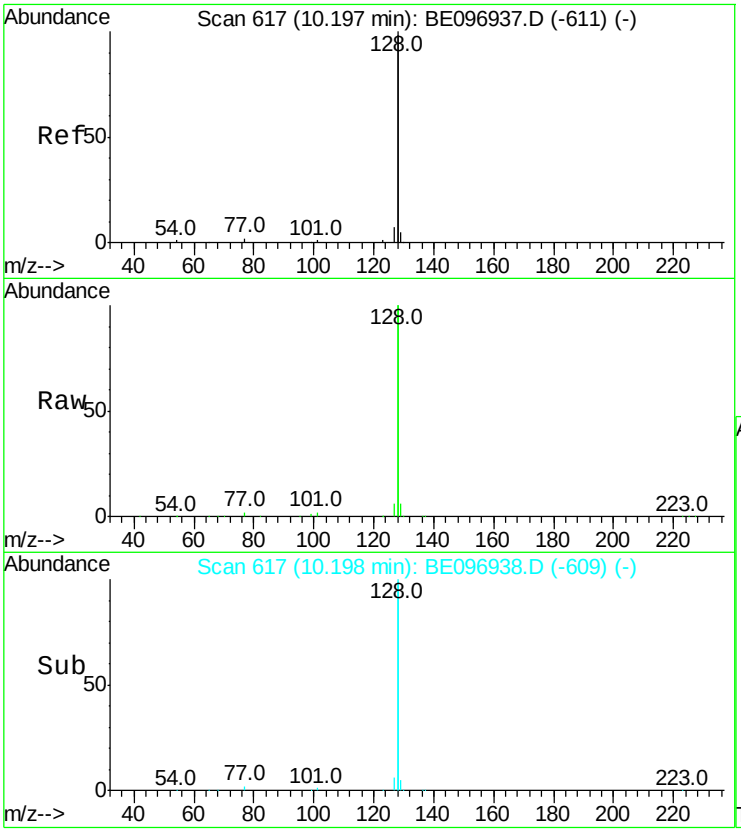


#8
Nitrobenzene-d5
Concen: 0.748 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion: 82 Resp: 6447

Ion	Ratio	Lower	Upper
82	100		
128	34.4	24.0	36.0
54	45.4	40.0	60.0



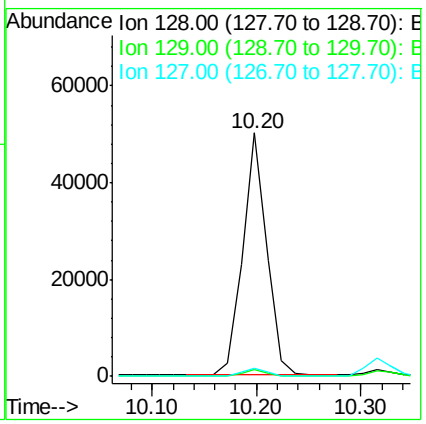


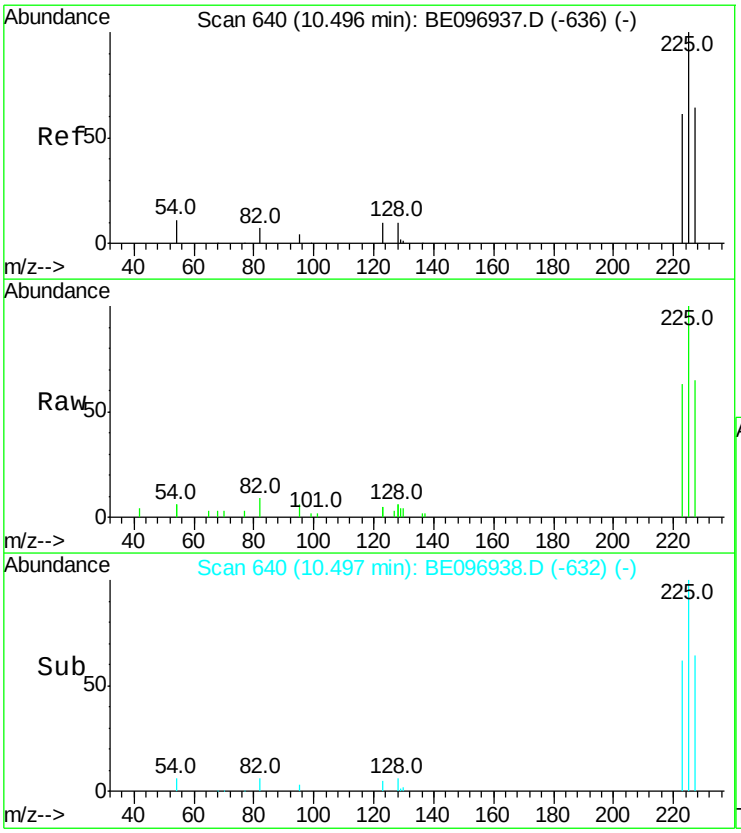
#9
Naphthalene
Concen: 0.756 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 79946

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	3.8
127	3.2	2.8	4.2

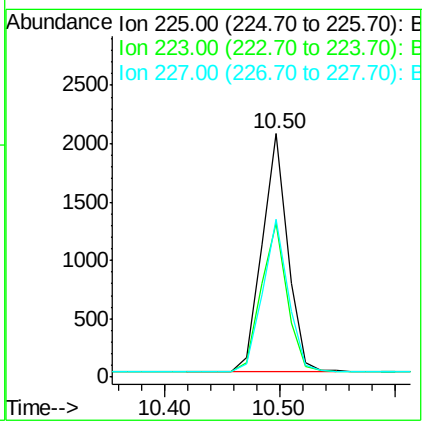


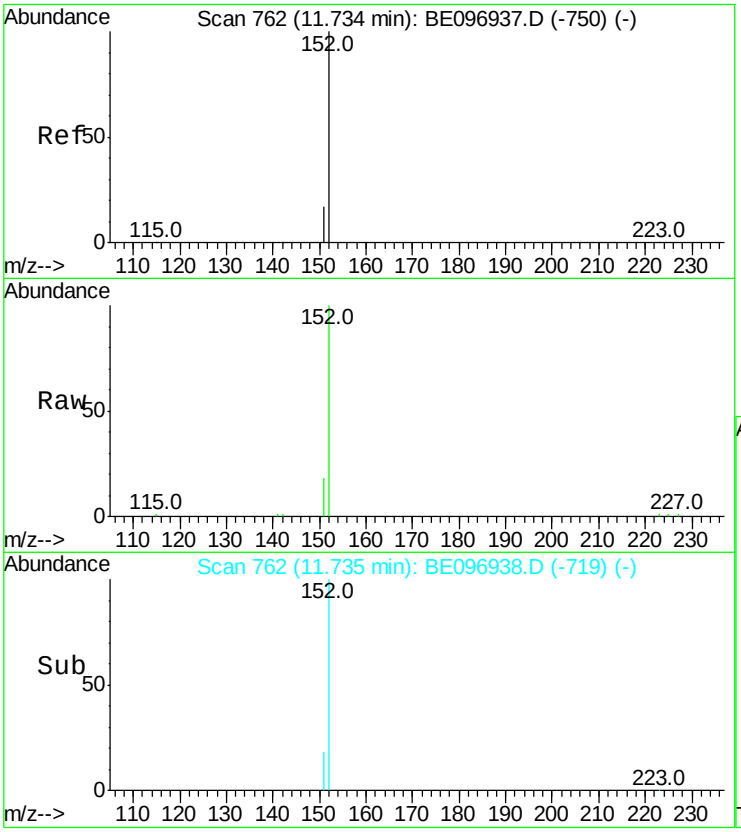


#10
Hexachlorobutadiene
Concen: 0.748 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:225 Resp: 3200

Ion	Ratio	Lower	Upper
225	100		
223	62.9	53.0	79.6
227	64.0	51.4	77.2



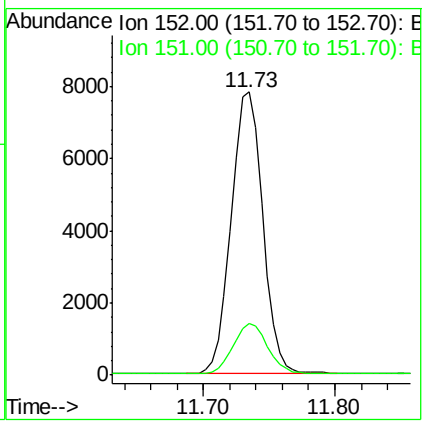


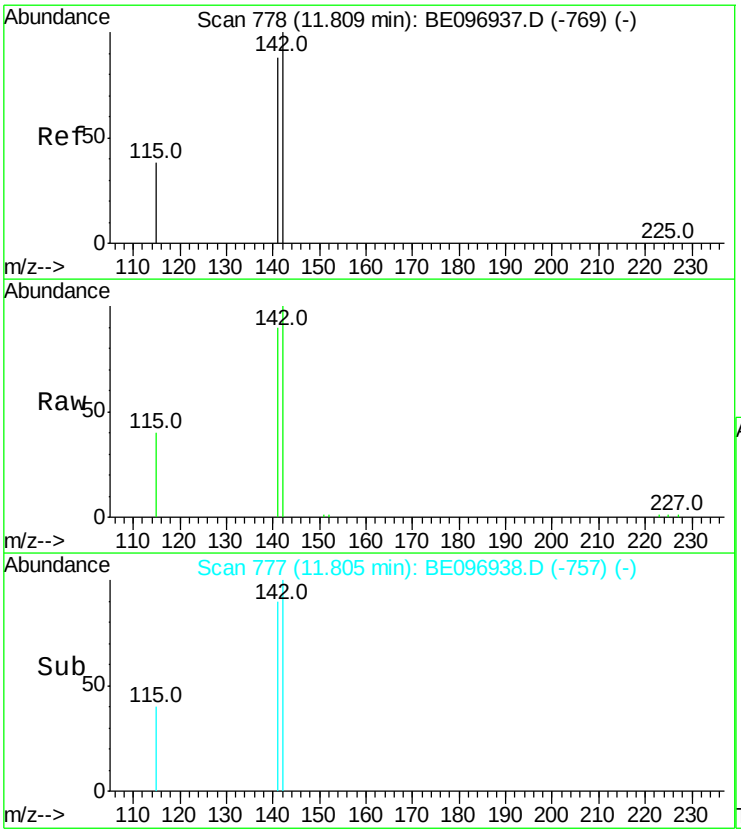
#11
2-Methylnaphthalene-d10
Concen: 0.749 ng
RT: 11.73 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 12894

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

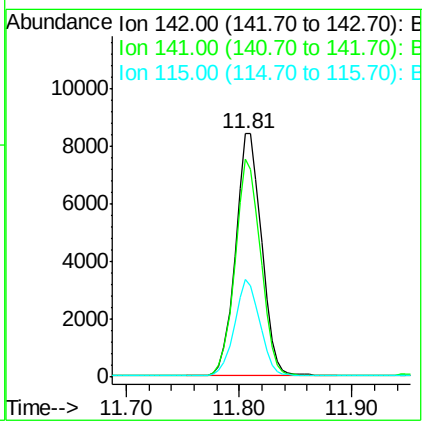


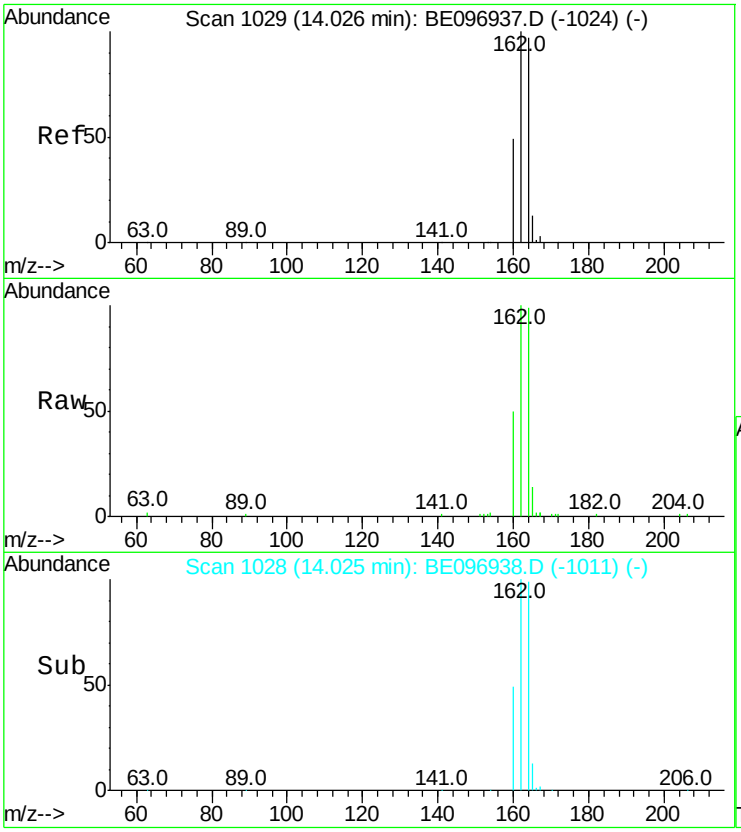


#12
2-Methylnaphthalene
Concen: 0.746 ng
RT: 11.81 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:142 Resp: 13388

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6
115	40.0	31.7	47.5



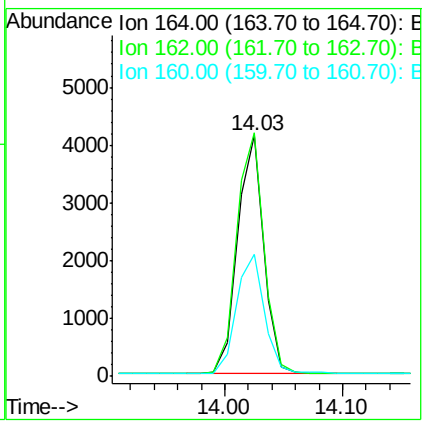


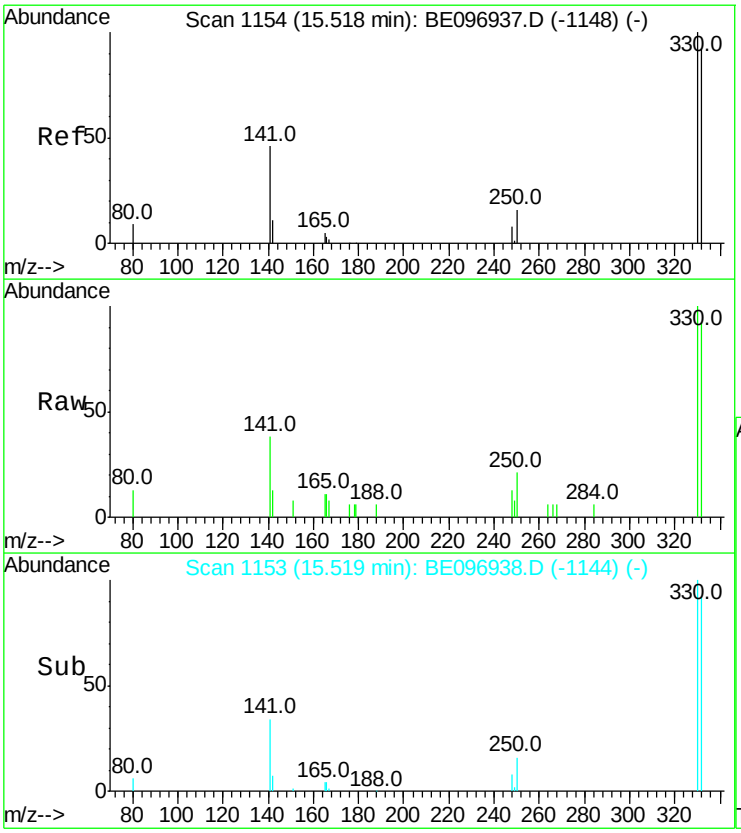
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 6360

Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.1	124.7
160	50.6	37.1	55.7

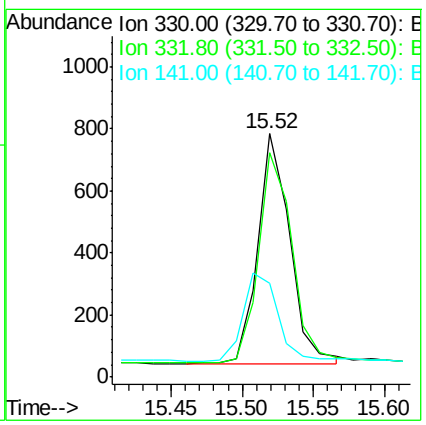


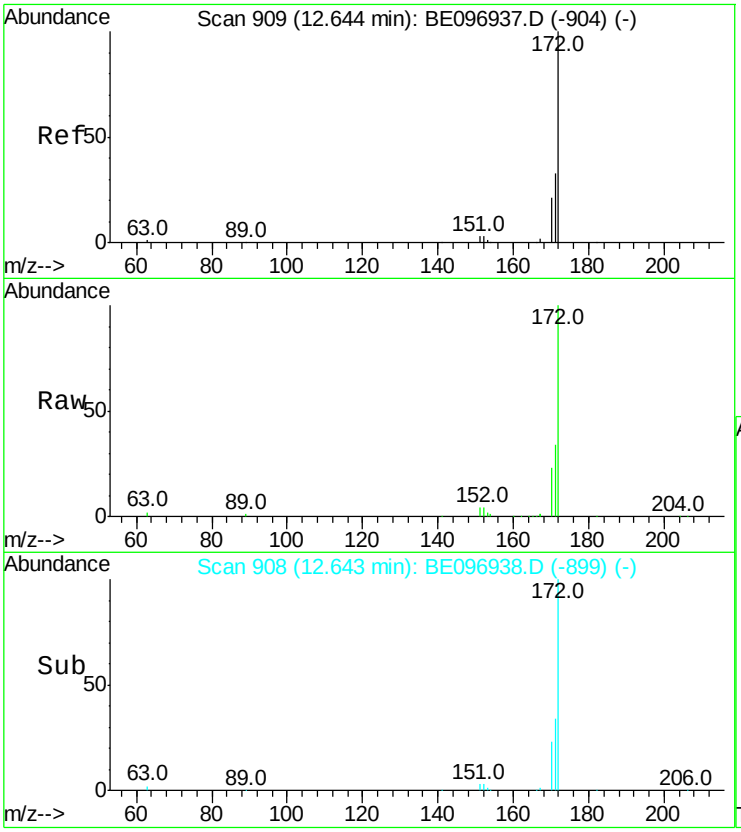


#14
2,4,6-Tribromophenol
Concen: 0.733 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:330 Resp: 1147

Ion	Ratio	Lower	Upper
330	100		
332	96.4	152.7	229.1#
141	42.2	33.7	50.5



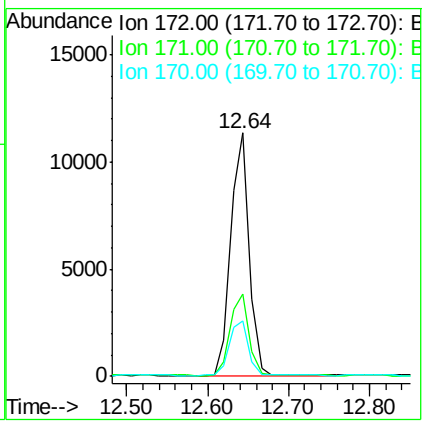


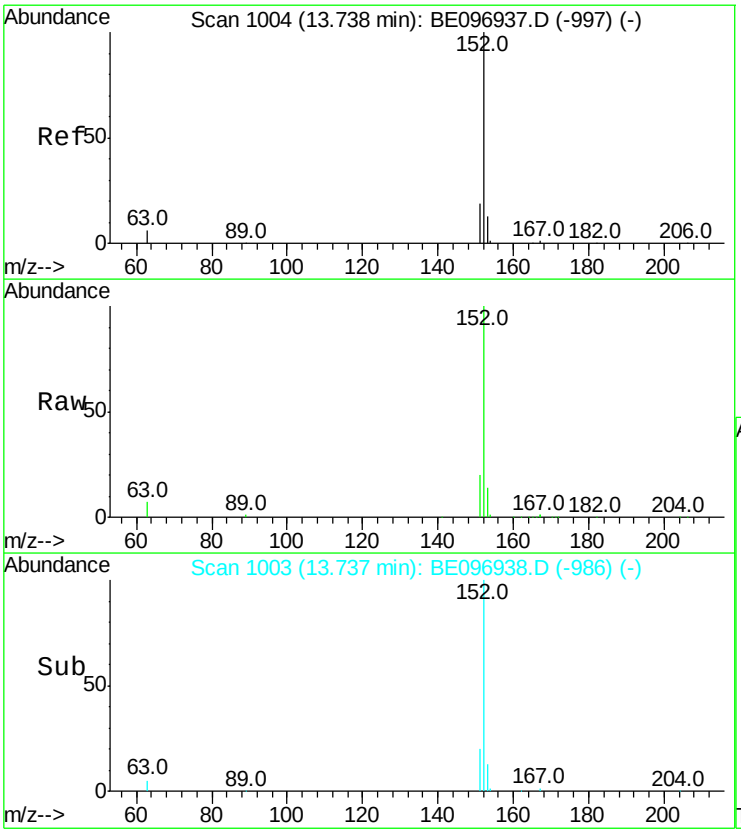
#15
2-Fluorobiphenyl
Concen: 0.748 ng
RT: 12.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 17693

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.9	44.9
170	22.9	21.8	32.8

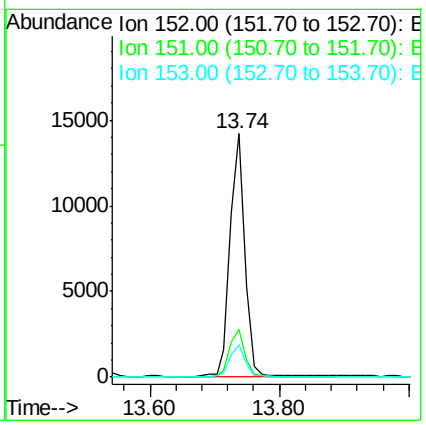


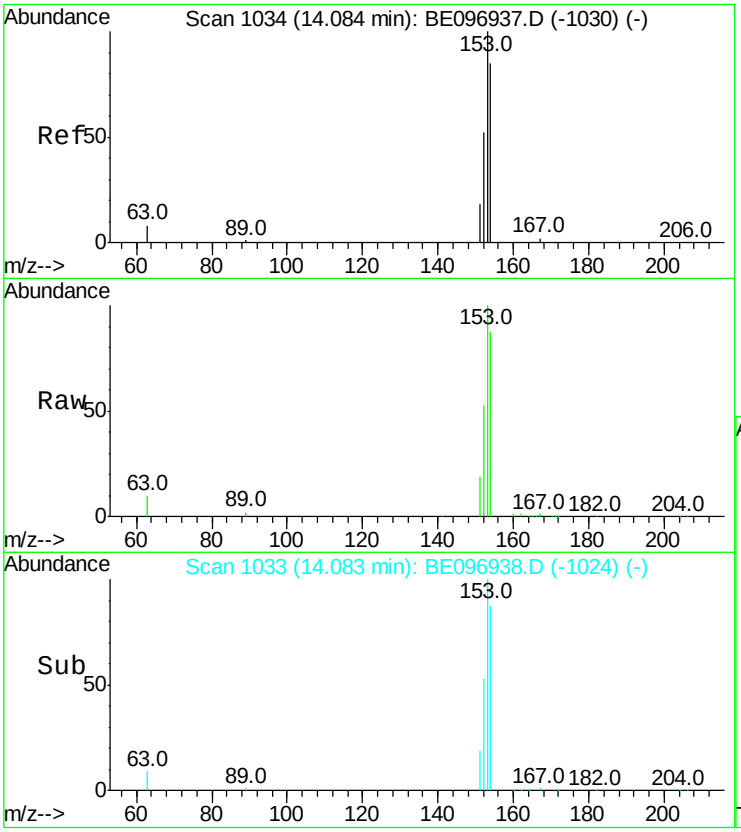


#16
Acenaphthylene
Concen: 0.753 ng
RT: 13.74 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:152 Resp: 21879

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.1	10.5	15.7



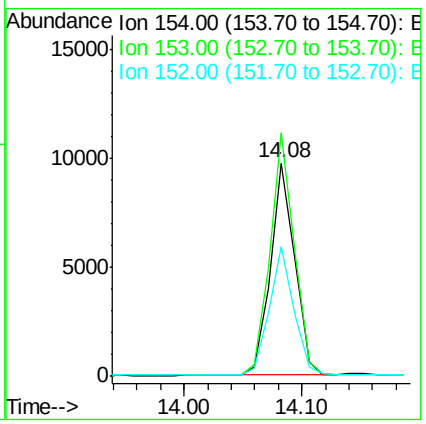


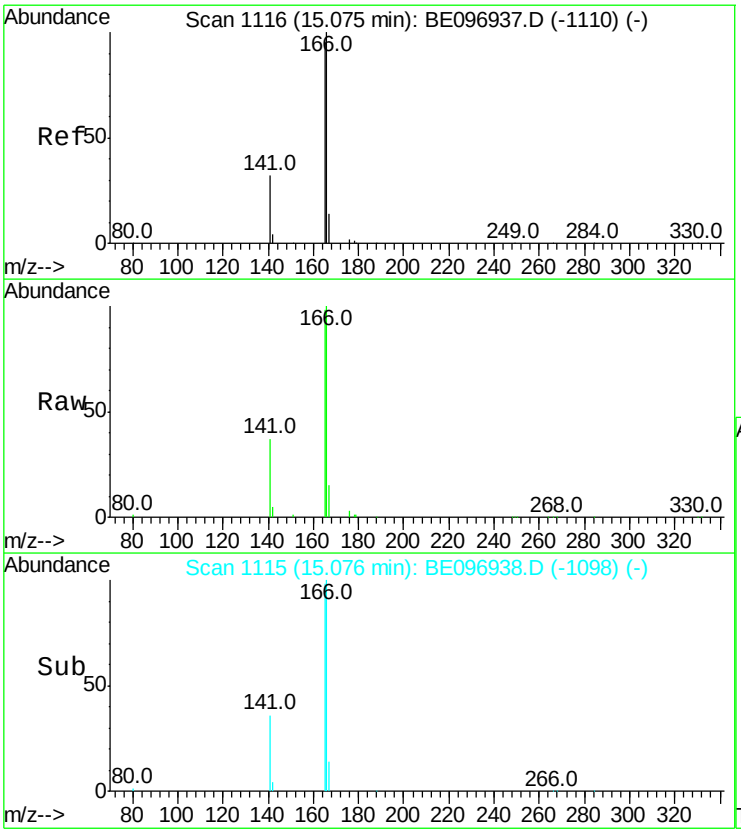
#17
Acenaphthene
Concen: 0.764 ng
RT: 14.08 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 13801

Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.2	133.8
152	61.5	42.0	63.0

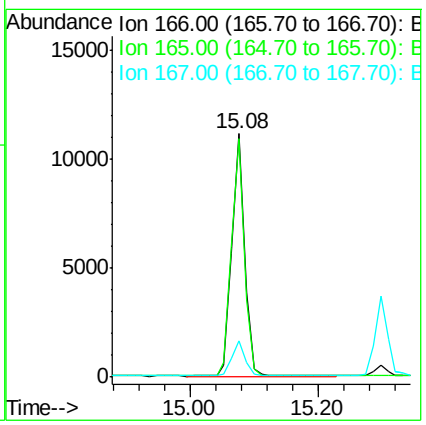


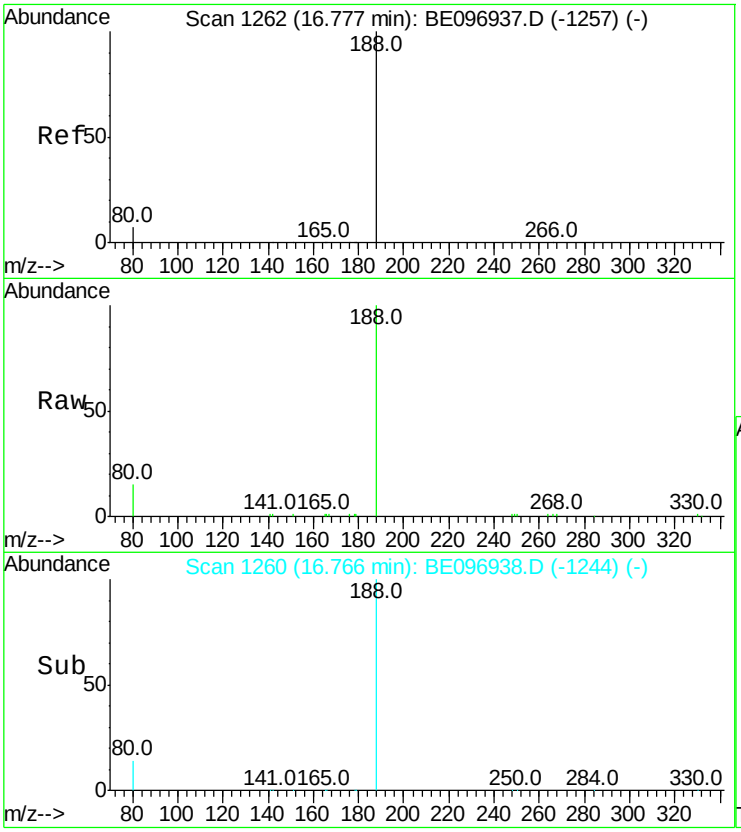


#18
Fluorene
Concen: 0.751 ng
RT: 15.08 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:166 Resp: 15228

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.8	116.6
167	14.5	42.4	63.6#



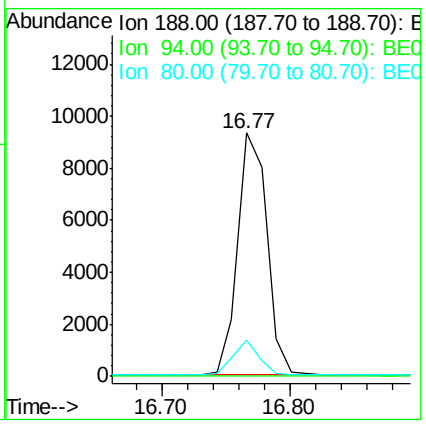


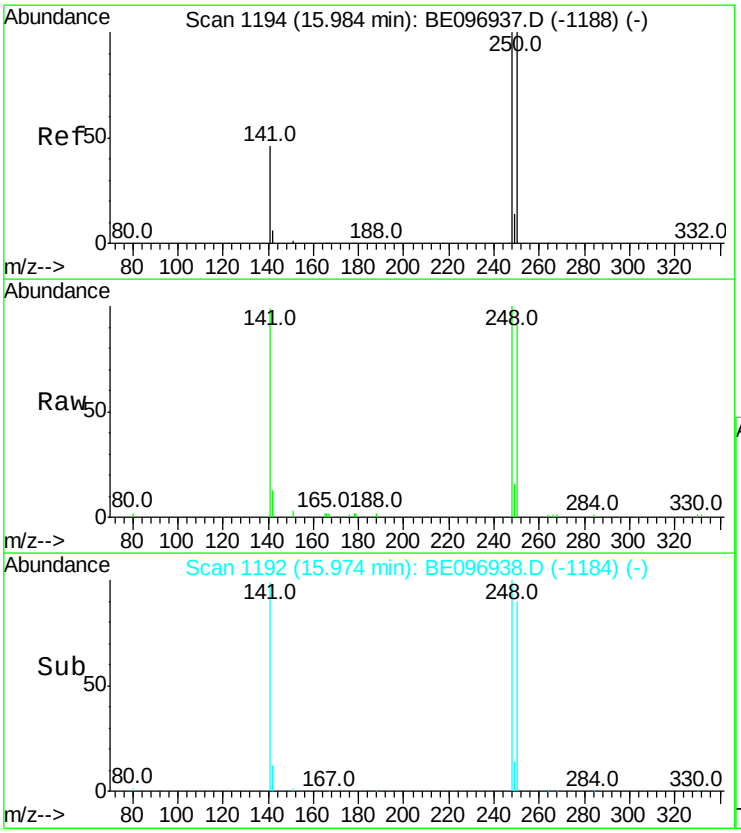
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 14817

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	14.9	3.6	5.4#

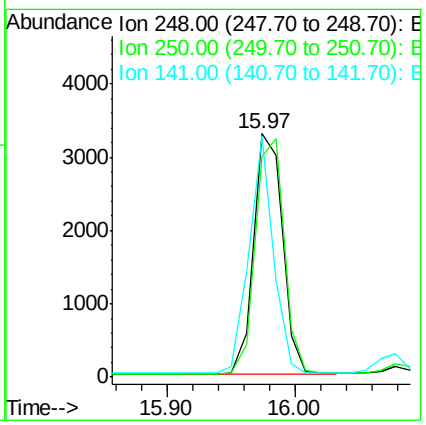


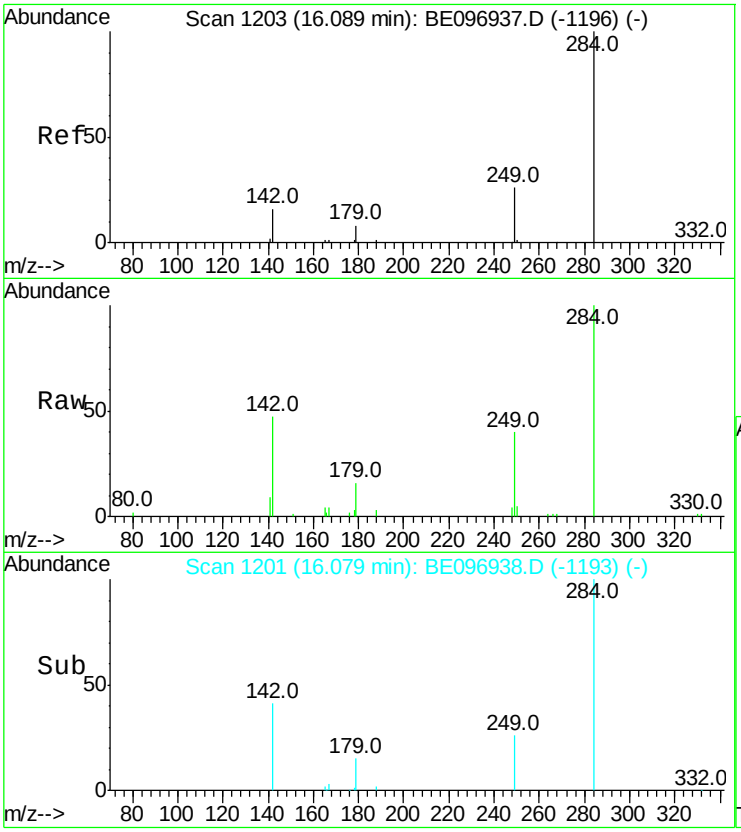


#20
4-Bromophenyl-phenylether
Concen: 0.738 ng
RT: 15.97 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:248 Resp: 5169

Ion	Ratio	Lower	Upper
248	100		
250	90.6	62.7	94.1
141	99.2	48.2	72.2#



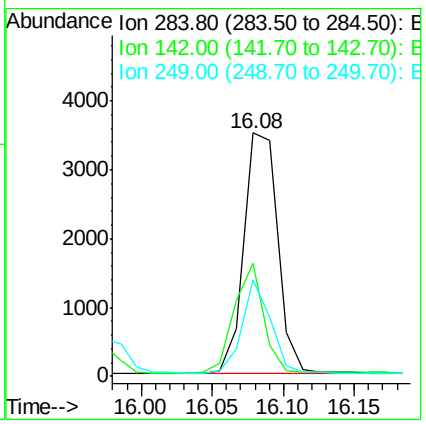


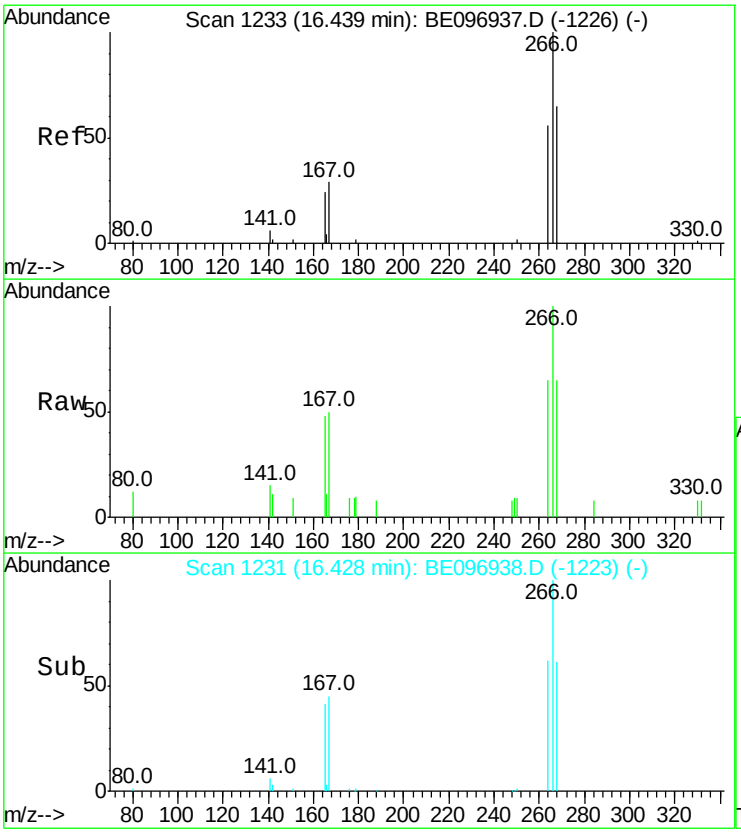
#21
Hexachlorobenzene
Concen: 0.737 ng
RT: 16.08 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:284 Resp: 5737

Ion	Ratio	Lower	Upper
284	100		
142	39.3	22.1	33.1#
249	31.9	34.8	52.2#

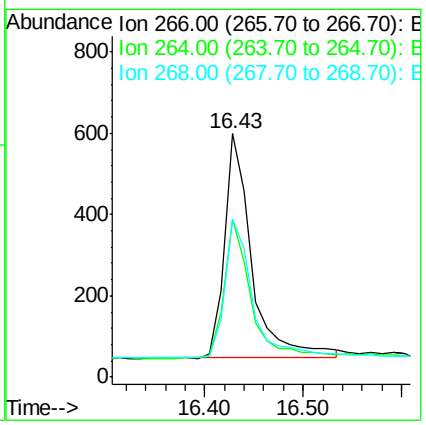


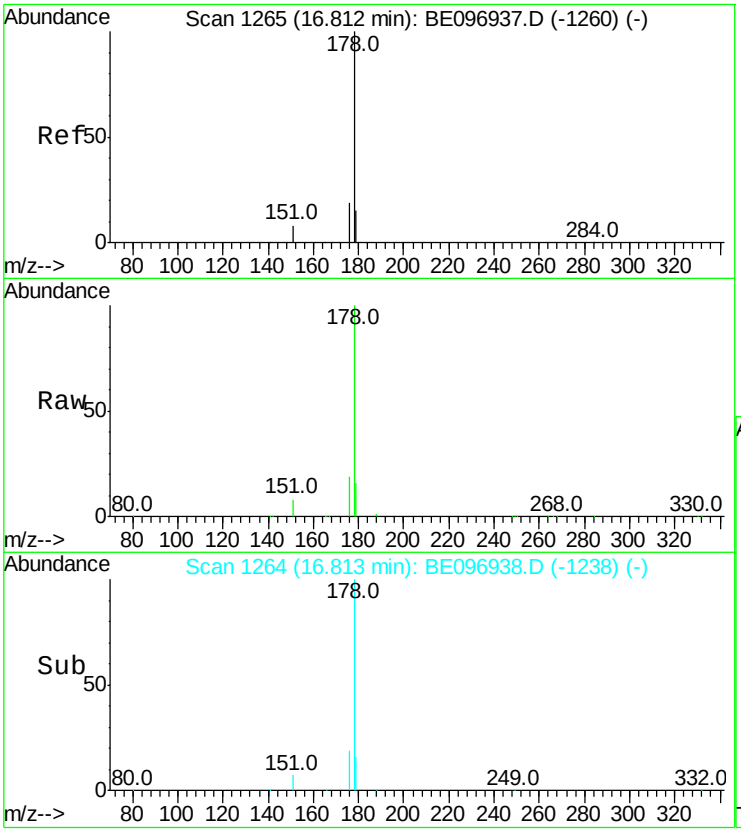


#22
Pentachlorophenol
Concen: 0.771 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:266 Resp: 1058

Ion	Ratio	Lower	Upper
266	100		
264	64.9	72.5	108.7#
268	64.6	73.8	110.6#



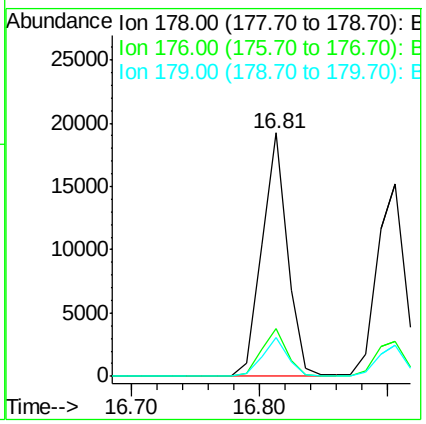


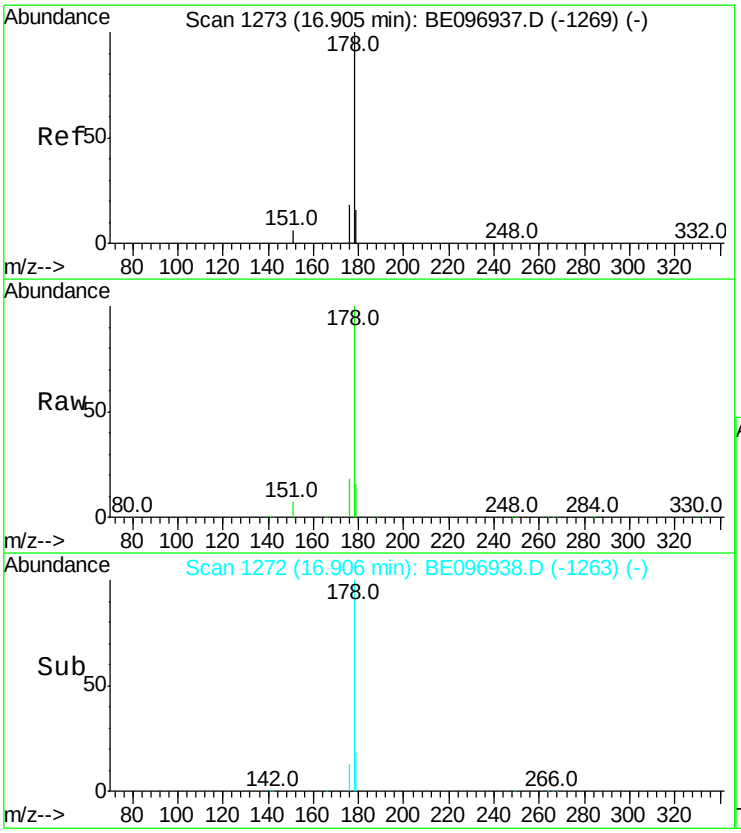
#23
Phenanthrene
Concen: 0.752 ng
RT: 16.81 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 26687

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.4	11.8	17.6

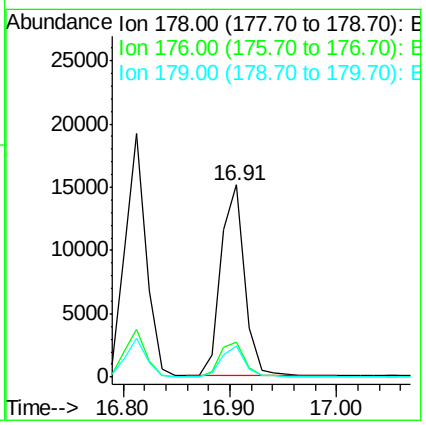


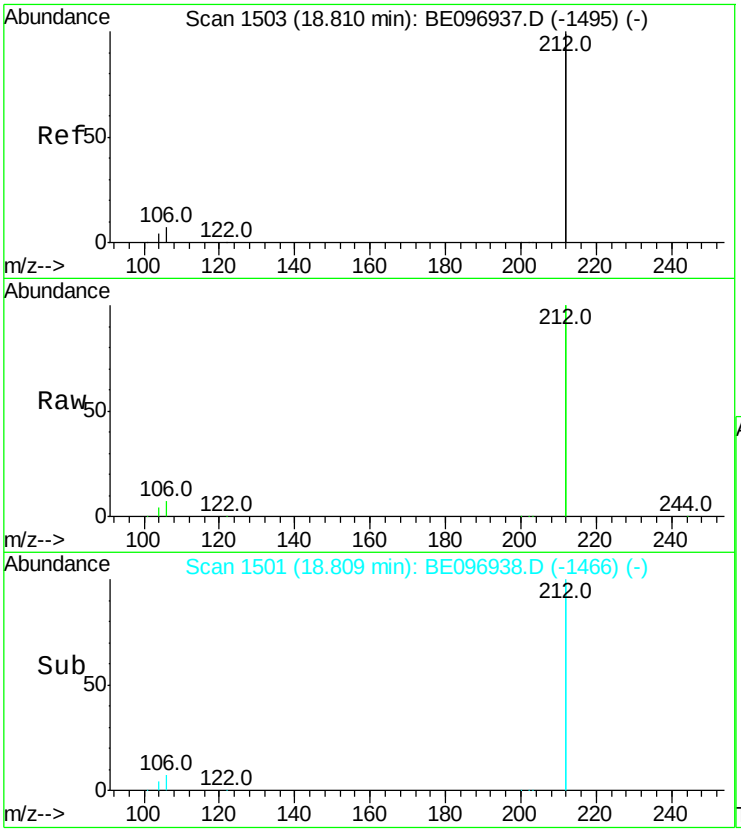


#24
Anthracene
Concen: 0.745 ng
RT: 16.91 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:178 Resp: 23014

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	15.3	13.0	19.6



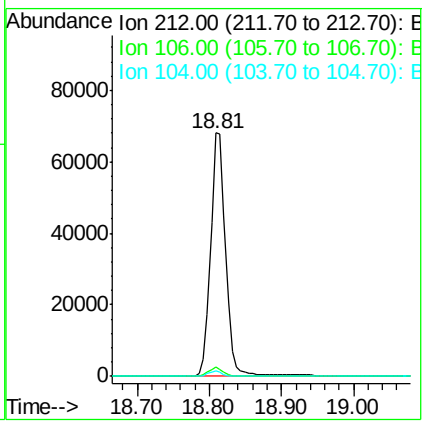


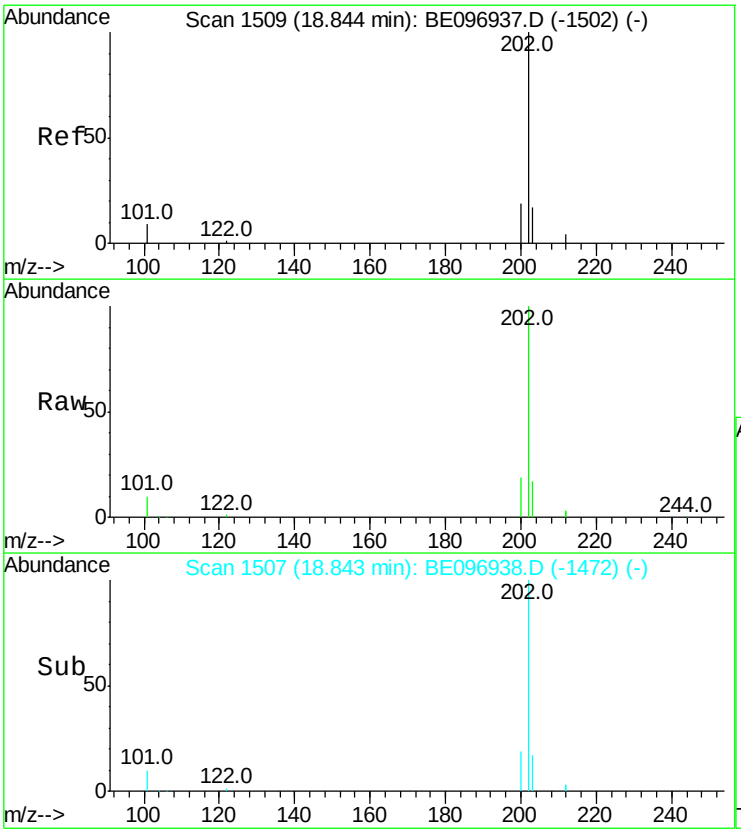
#25
Fluoranthene-d10
Concen: 0.755 ng
RT: 18.81 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 97373

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	1.9	1.6	2.4

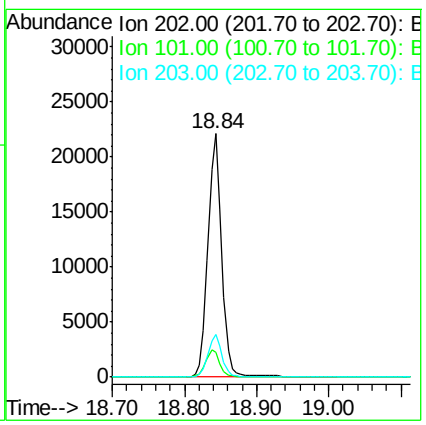


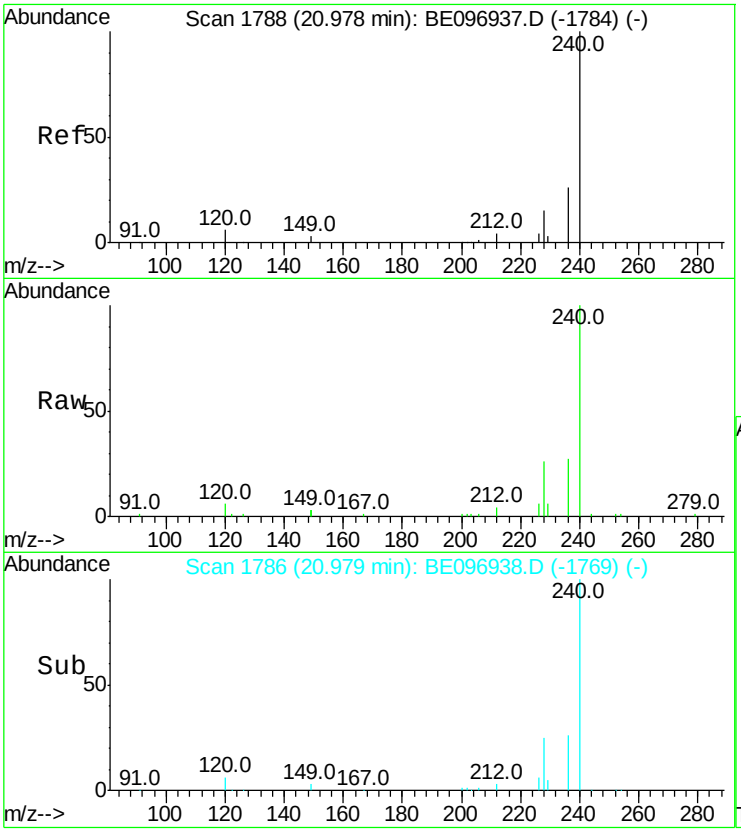


#26
Fluoranthene
Concen: 0.770 ng
RT: 18.84 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:202 Resp: 28813

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.3	13.7	20.5



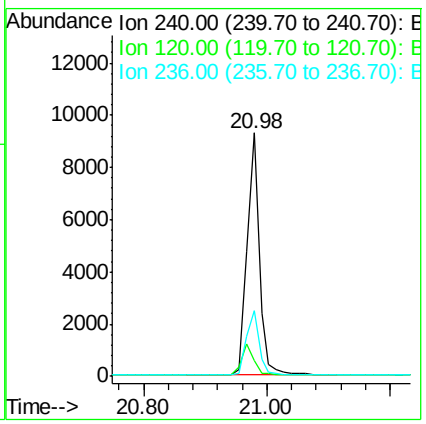


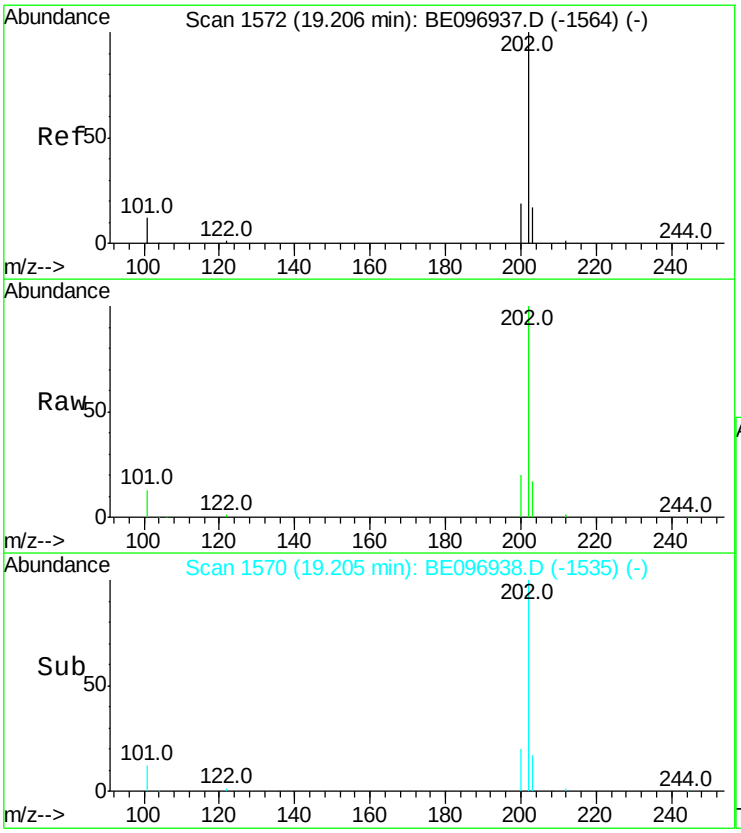
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 12812

Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.5	8.3
236	26.9	20.7	31.1

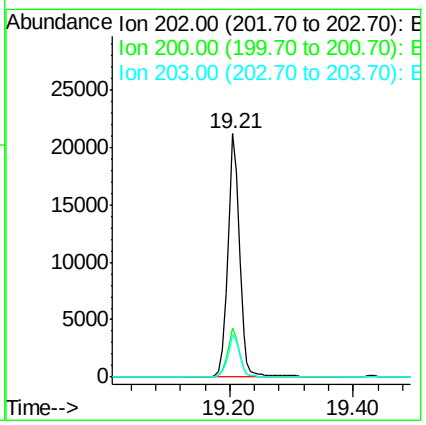


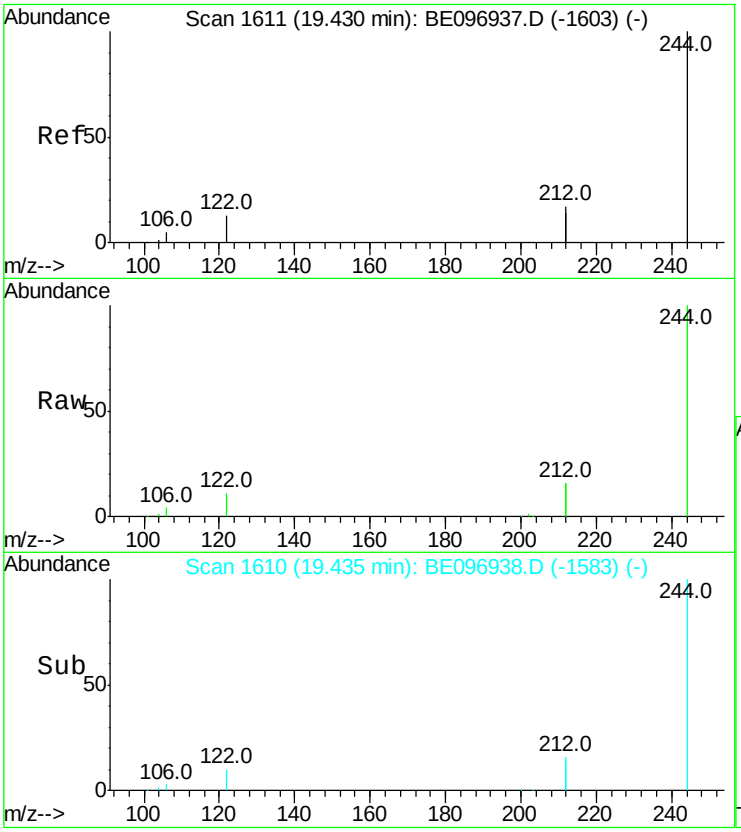


#28
Pyrene
Concen: 0.739 ng
RT: 19.21 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:202 Resp: 27962

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.6	25.0
203	17.5	13.8	20.8



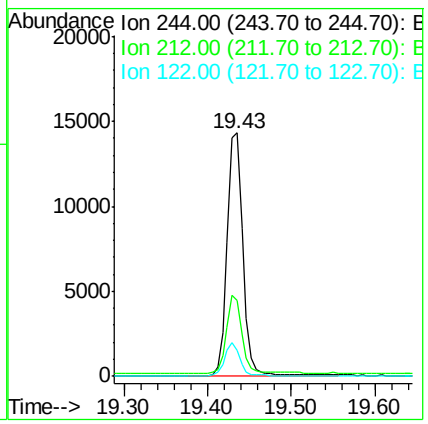


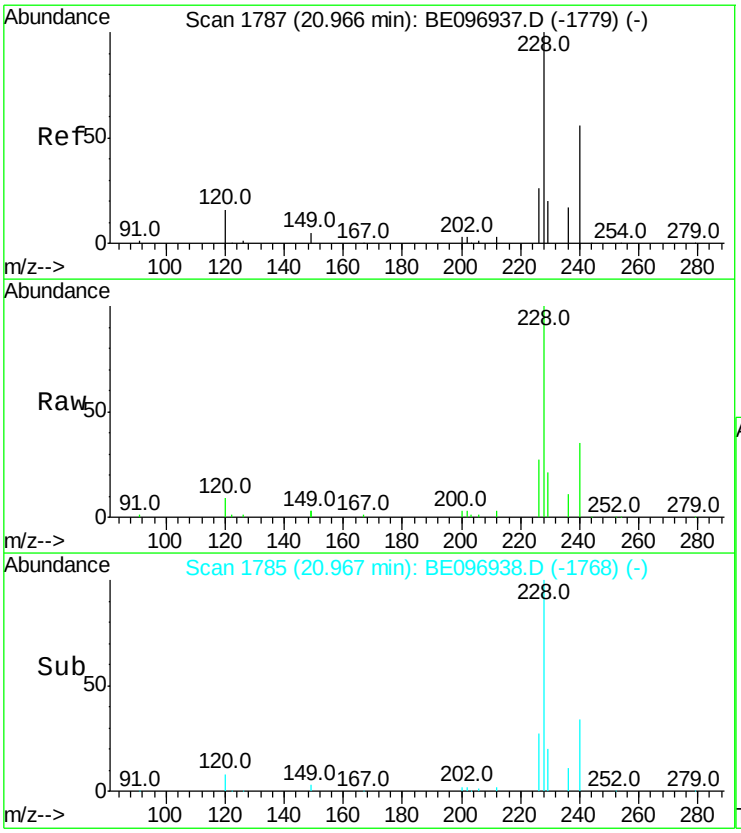
#29
Terphenyl-d14
Concen: 0.748 ng
RT: 19.43 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 18495

Ion	Ratio	Lower	Upper
244	100		
212	31.2	25.4	38.0
122	10.7	8.1	12.1

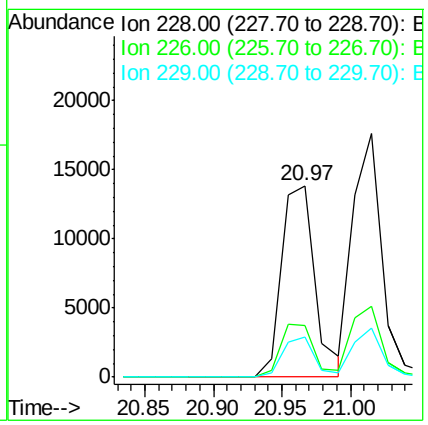


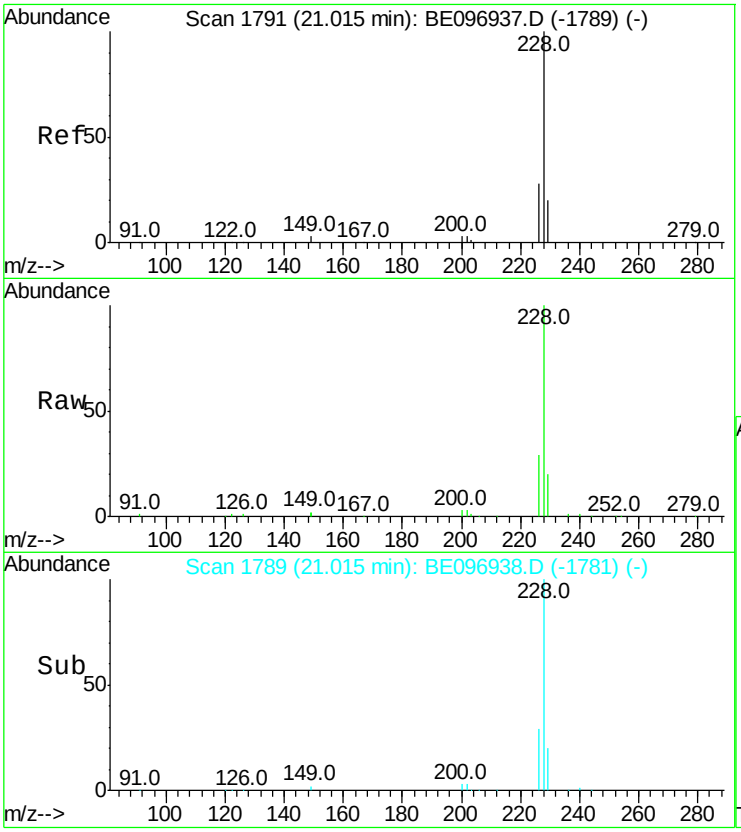


#30
Benzo(a)anthracene
Concen: 0.763 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:228 Resp: 23264

Ion	Ratio	Lower	Upper
228	100		
226	26.8	24.0	36.0
229	20.6	16.0	24.0



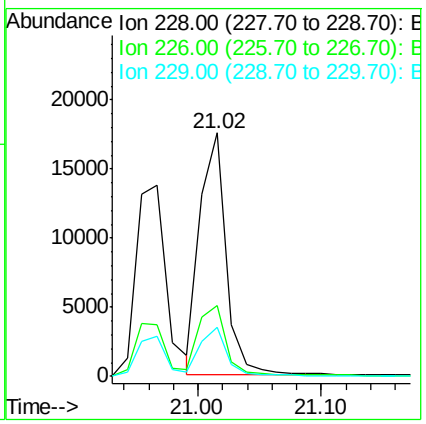


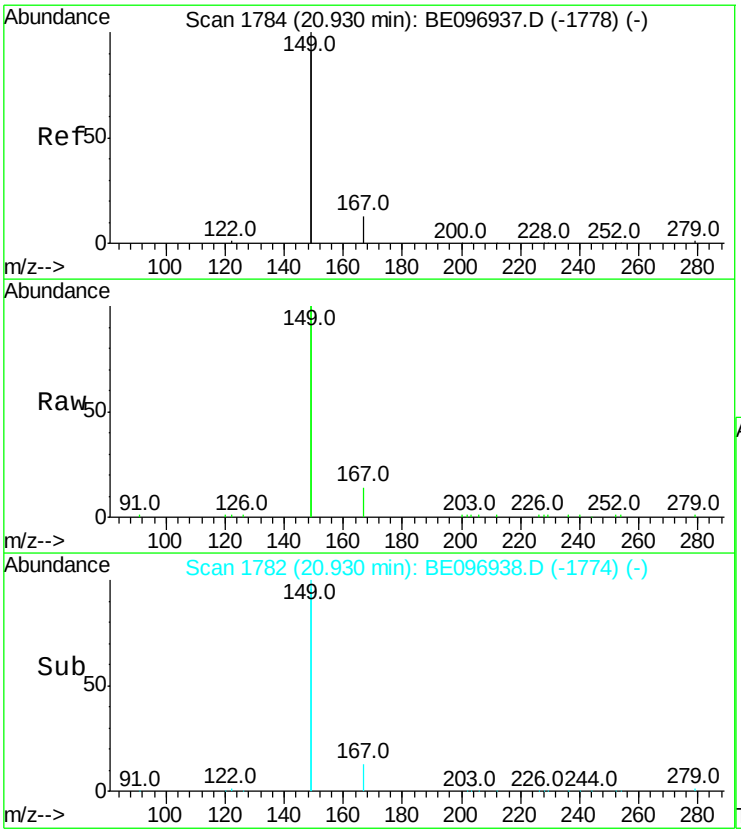
#31
Chrysene
Concen: 0.750 ng
RT: 21.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 25674

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	20.1	16.0	24.0

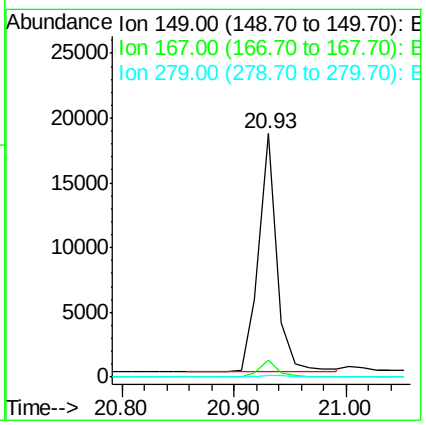


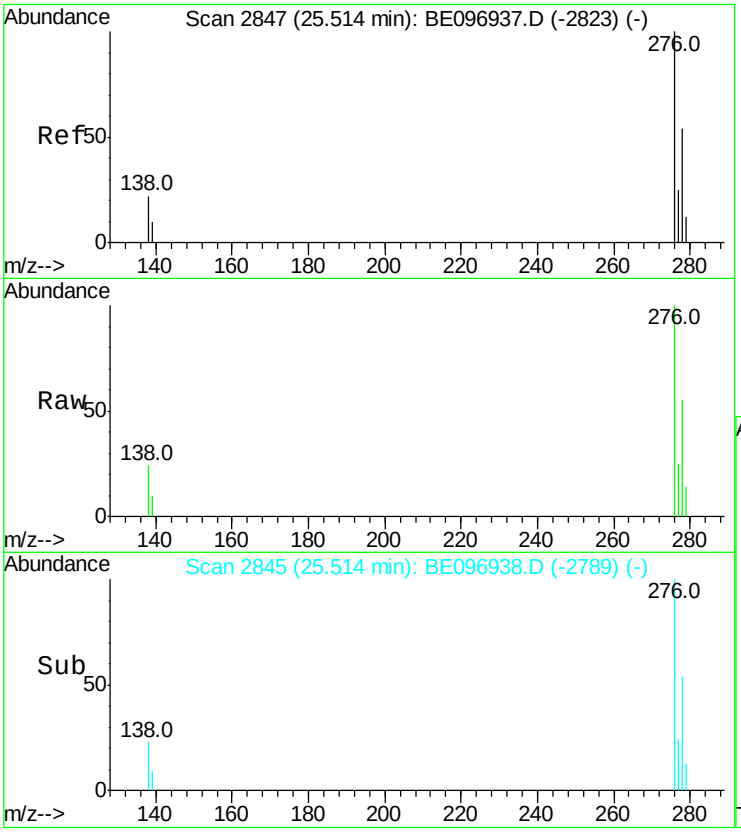


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.699 ng
RT: 20.93 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:149 Resp: 21288

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	0.8	0.7	1.1



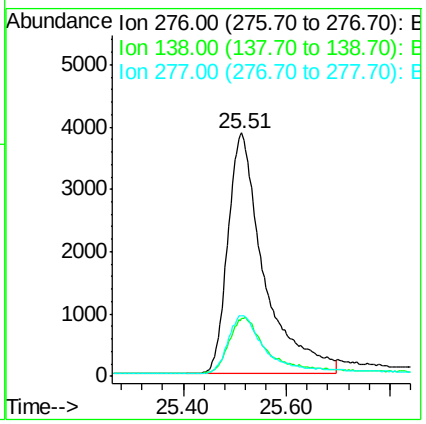


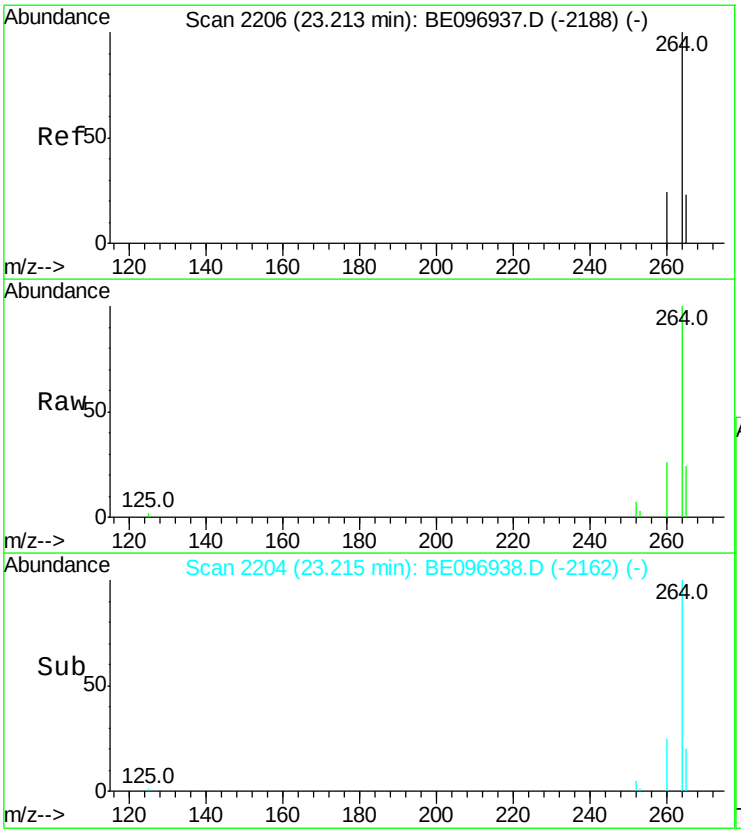
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.715 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 18767

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

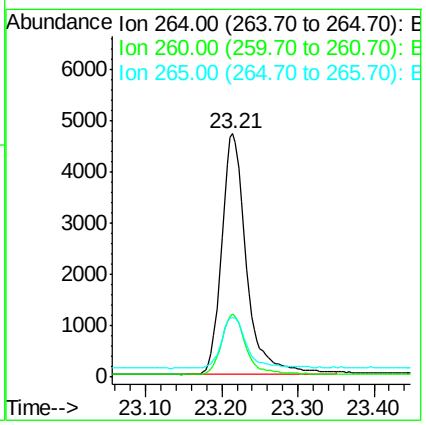


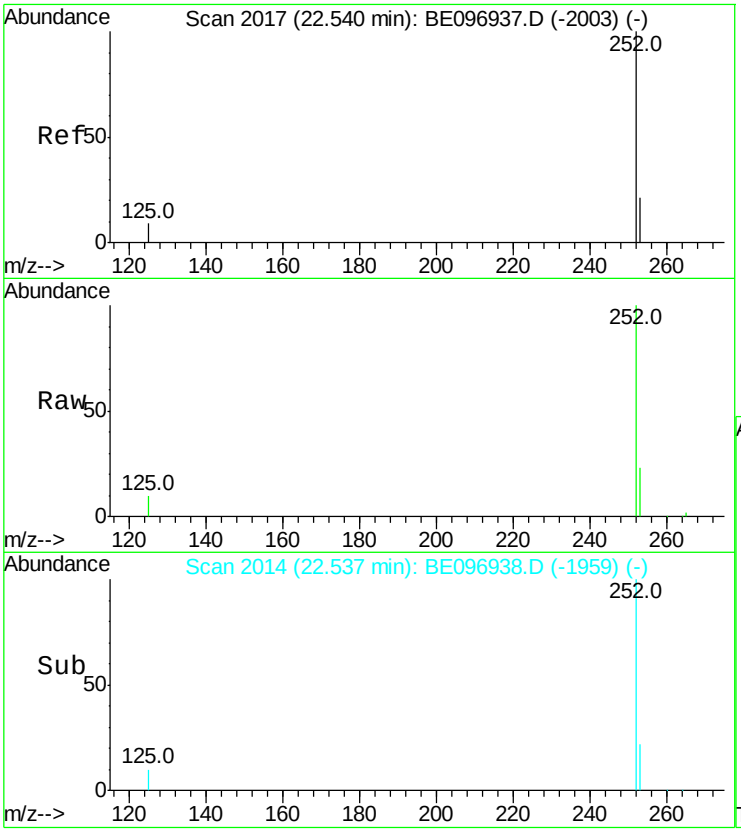


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:264 Resp: 10685

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.5	30.7
265	24.1	22.8	34.2



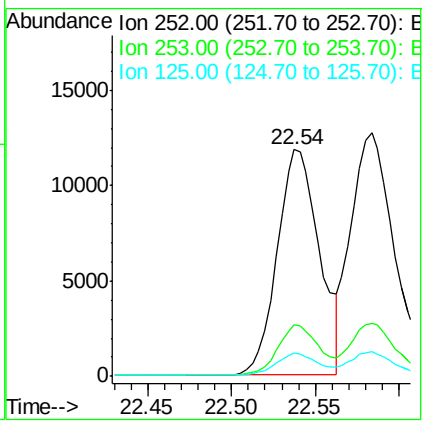


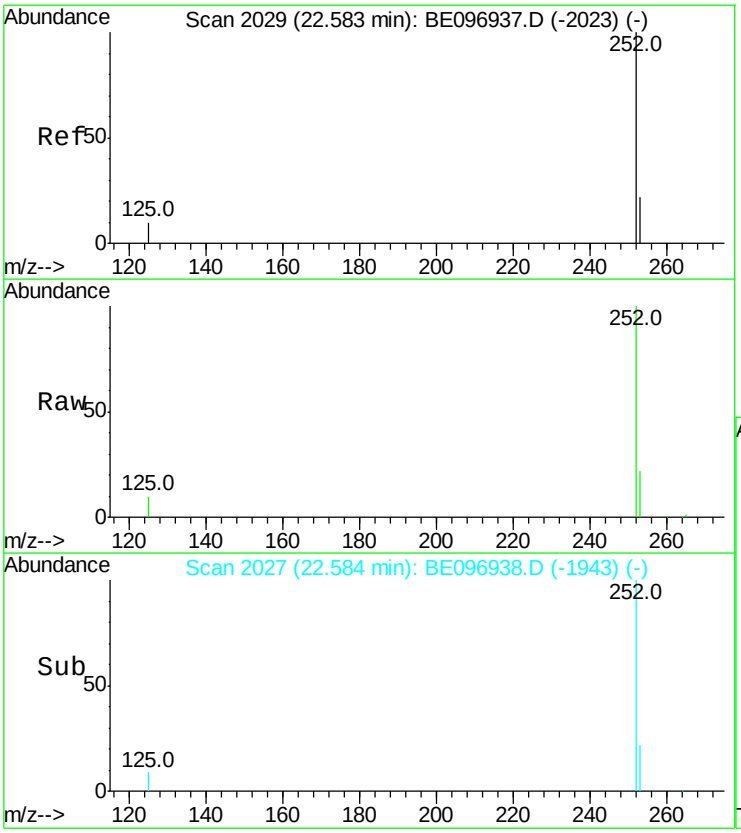
#35
Benzo(b)fluoranthene
Concen: 0.765 ng
RT: 22.54 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 20852

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.0	30.0
125	10.1	16.0	24.0#

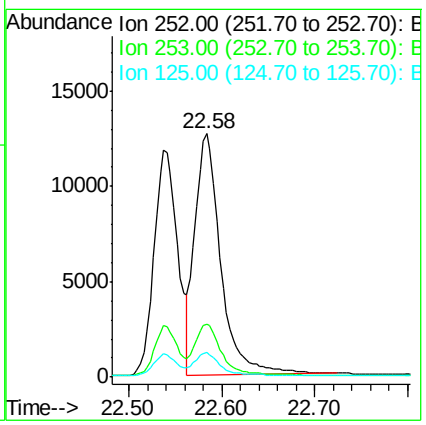


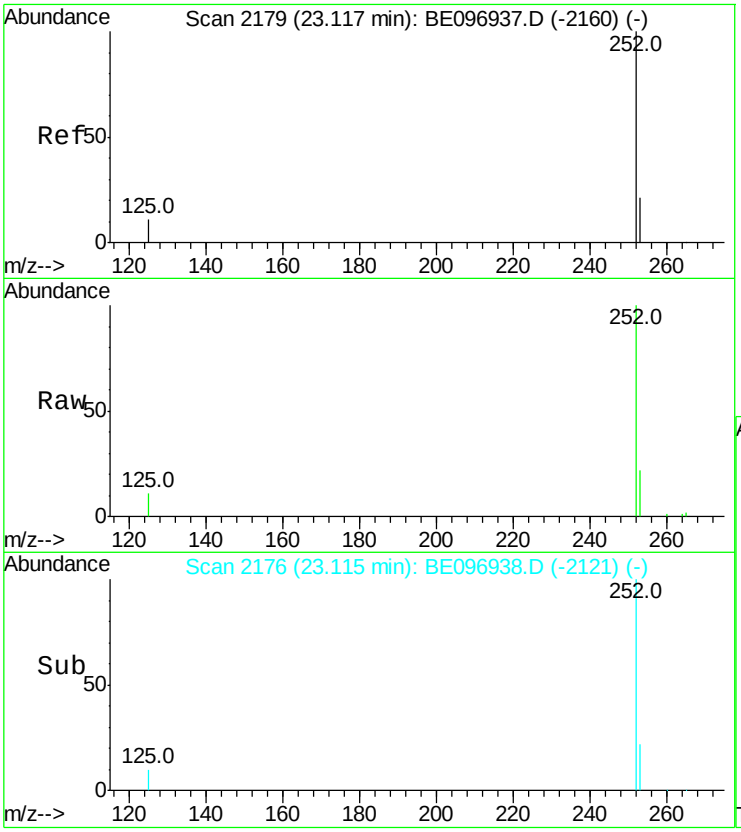


#36
Benzo(k)fluoranthene
Concen: 0.751 ng
RT: 22.58 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:252 Resp: 24372

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.0	24.0
125	9.9	8.0	12.0



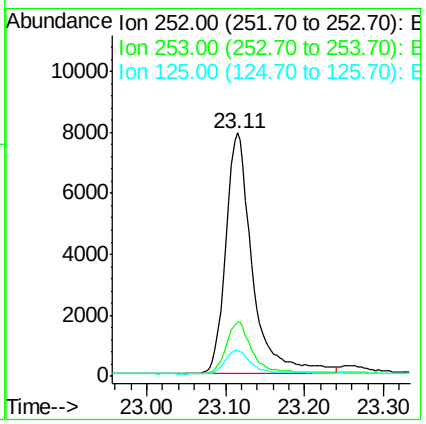


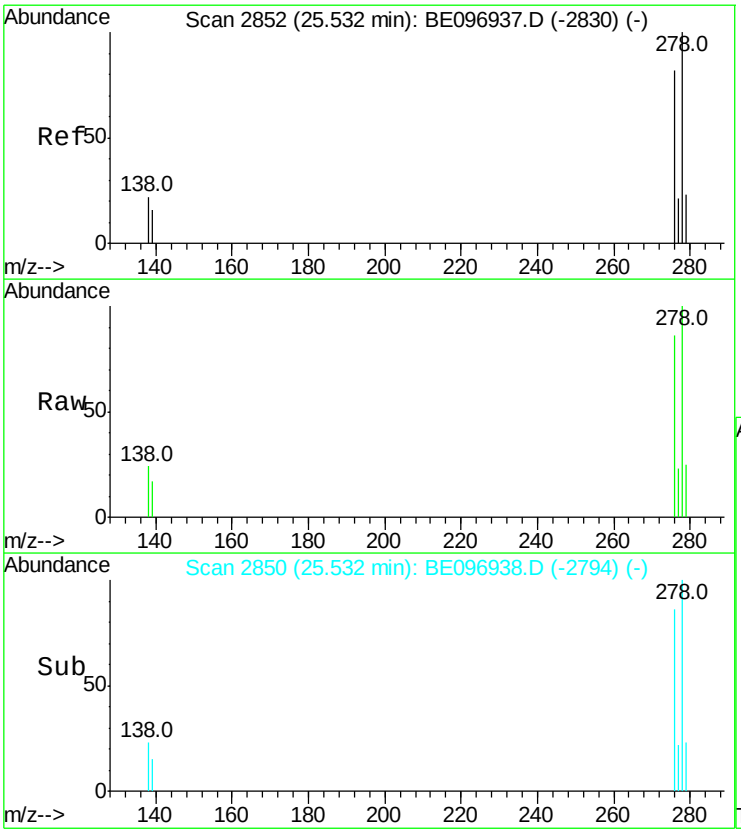
#37
Benzo(a)pyrene
Concen: 0.761 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 18568

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.0	24.0
125	10.9	12.0	18.0#

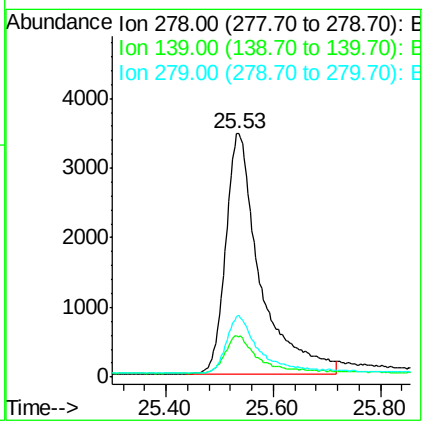


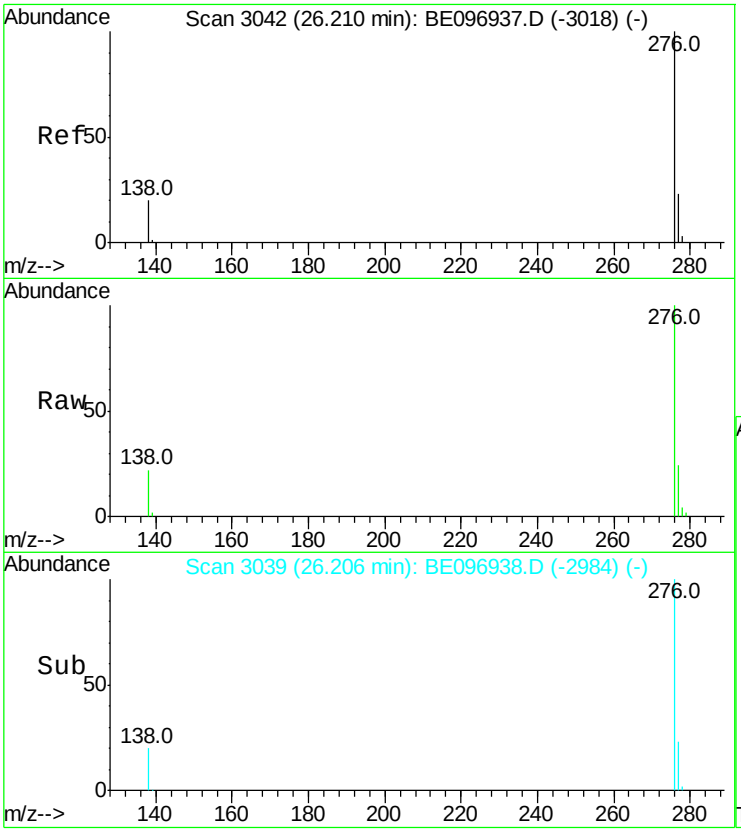


#38
Dibenzo(a,h)anthracene
Concen: 0.720 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Tgt Ion:278 Resp: 15375

Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.0	24.0
279	24.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.705 ng
RT: 26.21 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE096938.D
Acq: 16 Jul 2018 14:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 16930

Ion	Ratio	Lower	Upper
276	100		
277	24.4	16.0	24.0#
138	21.6	20.0	30.0