Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071618\
Data File : BE096939.D
Acq On : 16 Jul 2018 14:51
Operator : SJ/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC1.6

Quant Time: Jul 16 18:01:40 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	7.39	152	2066	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	10649	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	5813	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	13438	0.40	ng		0.00
27) Chrysene-d12	20.98	240	12300	0.40	ng		0.00
34) Perylene-d12	23.21	264	9876	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	8065	1.63	ng		0.00
5) Phenol-d6	6.59	99	12519	1.66	ng		0.00
8) Nitrobenzene-d5	8.52	82	13406	1.73	ng		0.00
11) 2-Methylnaphthalene-d10	11.74	152	26513	1.71	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	2863	1.64	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	36084	1.67	ng		0.00
25) Fluoranthene-d10	18.82	212	208505	1.78	ng		0.00
29) Terphenyl-d14	19.43	244	39780	1.68	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	4593	1.553	ng	#	87
3) n-Nitrosodimethylamine	3.37	42	5604	1.684	ng	#	91
6) bis(2-Chloroethyl)ether	6.84	93	12139	1.640	ng		96
9) Naphthalene	10.20	128	160031	1.679	ng		99
10) Hexachlorobutadiene	10.50	225	6538	1.696	ng		97
12) 2-Methylnaphthalene	11.81	142	27576	1.706	ng		99
16) Acenaphthylene	13.74	152	46297	1.744	ng		100
17) Acenaphthene	14.08	154	28235	1.711	ng		95
18) Fluorene	15.07	166	32758	1.768	ng	#	80
20) 4-Bromophenyl-phenylether	15.98	248	10869	1.710	ng	#	76
21) Hexachlorobenzene	16.09	284	11865	1.681	ng	#	80
22) Pentachlorophenol	16.43	266	2665	1.600	ng	#	71
23) Phenanthrene	16.81	178	54656	1.698	ng		99
24) Anthracene	16.90	178	49997	1.785	ng		95
26) Fluoranthene	18.84	202	61317	1.806	ng		99
28) Pyrene	19.21	202	59632	1.642	ng		99
30) Benzo(a)anthracene	20.97	228	52337	1.787	ng		95
31) Chrysene	21.02	228	54394	1.656	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	54475	1.863	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	43082	1.711	ng		96
35) Benzo(b)fluoranthene	22.54	252	45956	1.823	ng	#	86
36) Benzo(k)fluoranthene	22.58	252	54834	1.829	ng		97
37) Benzo(a)pyrene	23.11	252	42136	1.869	ng	#	94
38) Dibenzo(a,h)anthracene	25.53	278	35596	1.803	ng		96
39) Benzo(g,h,i)perylene	26.21	276	37668	1.697	ng	#	92

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

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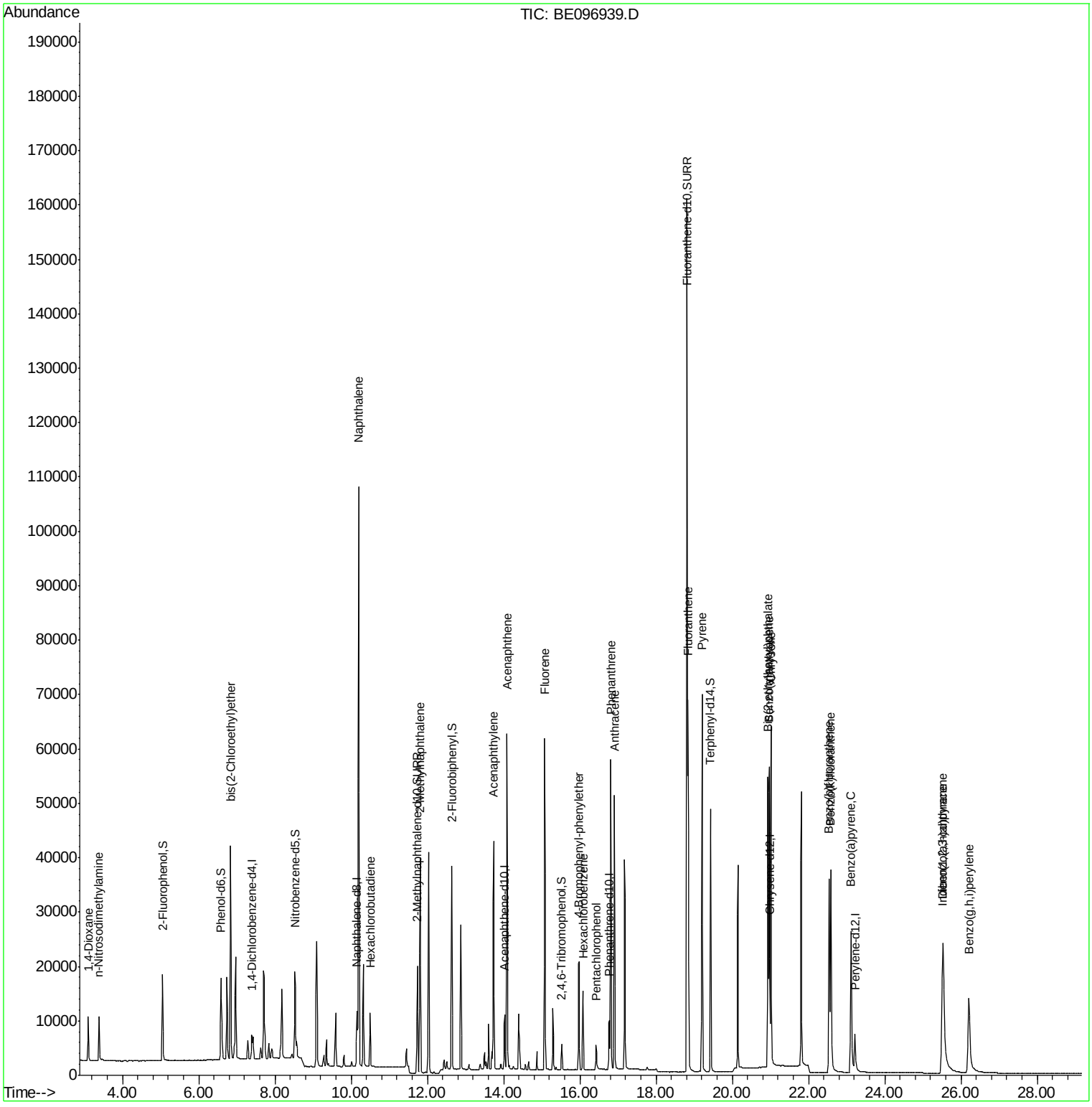
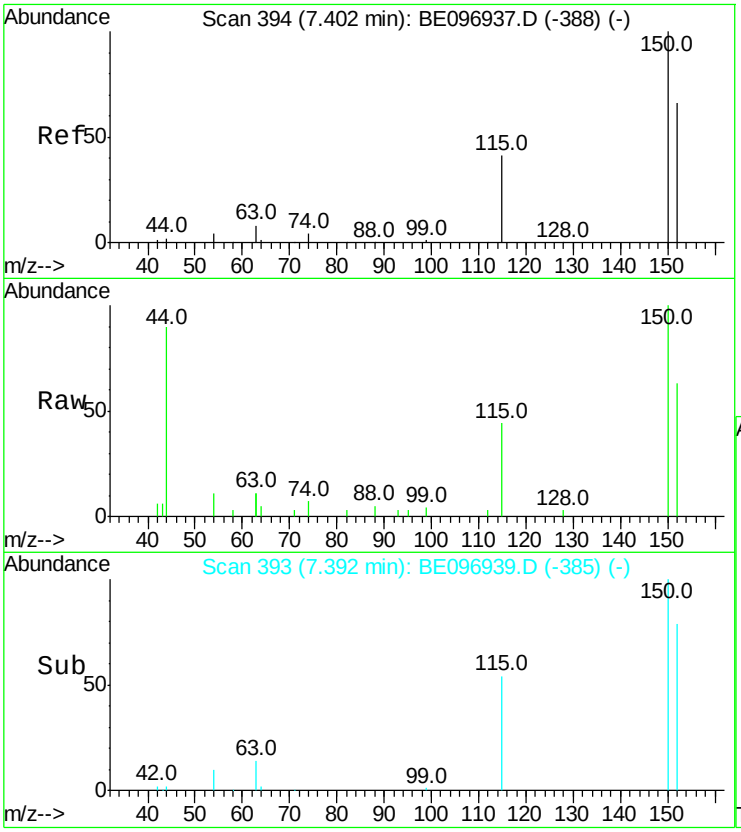
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Quant Time: Jul 16 18:01:40 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



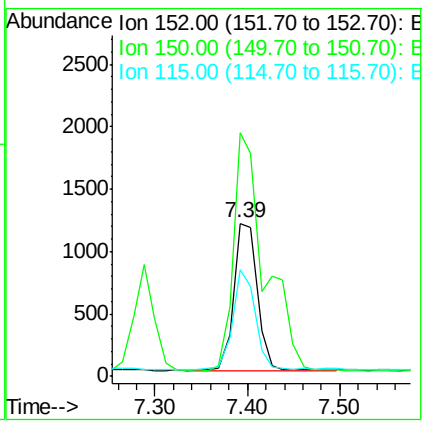


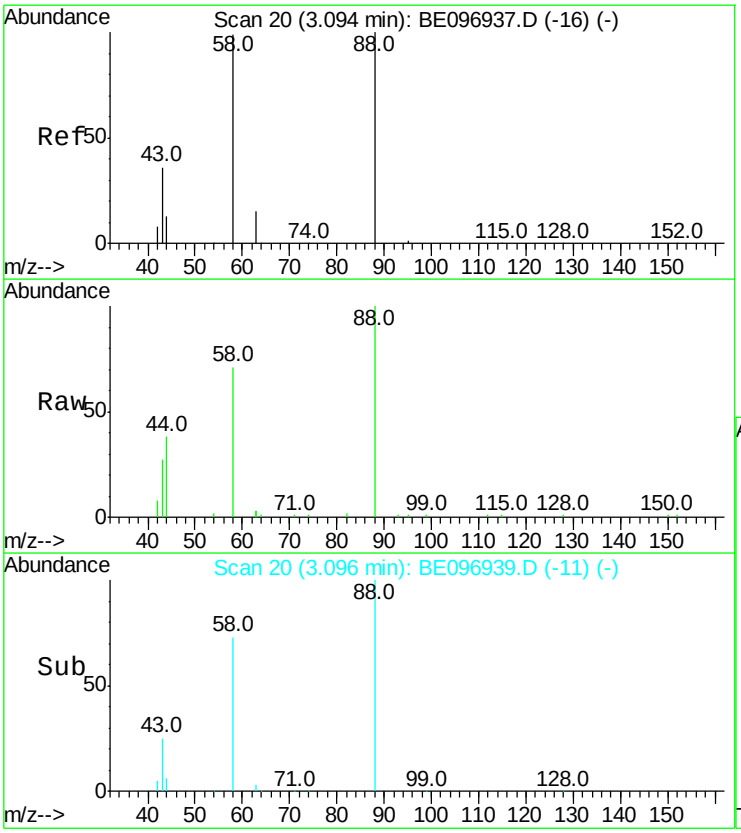
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2066

Ion	Ratio	Lower	Upper
152	100		
150	158.9	117.2	175.8
115	69.7	57.0	85.6

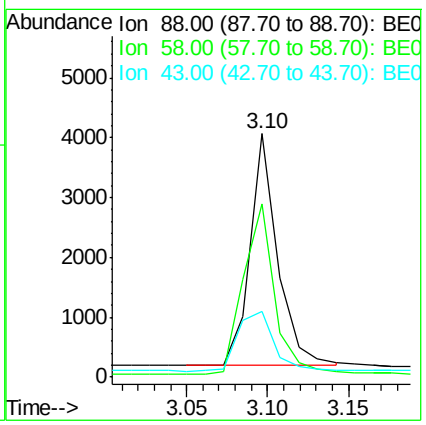


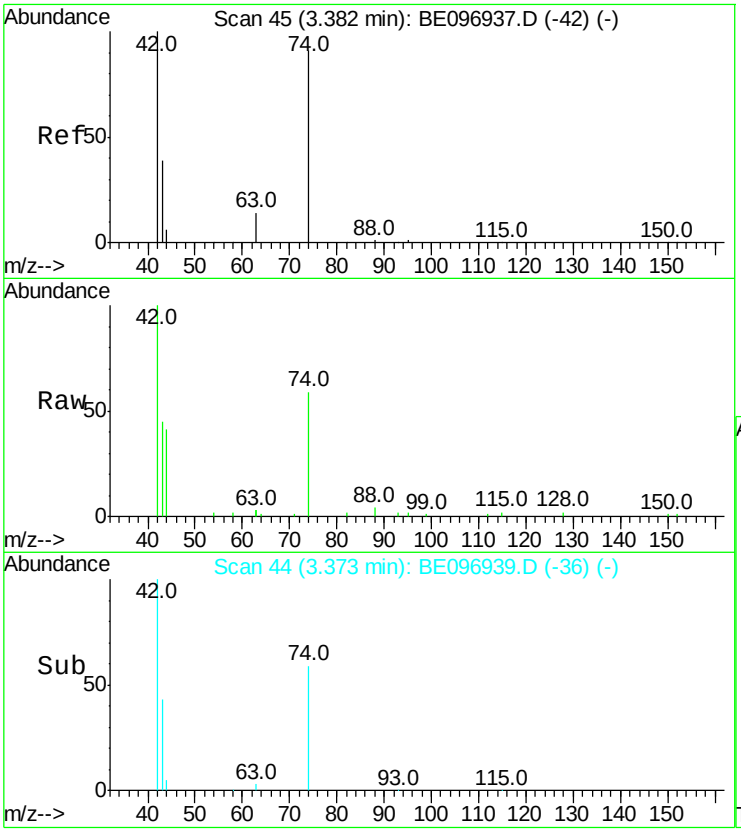


#2
1,4-Dioxane
Concen: 1.553 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion: 88 Resp: 4593

Ion	Ratio	Lower	Upper
88	100		
58	82.6	63.2	94.8
43	33.3	41.2	61.8#



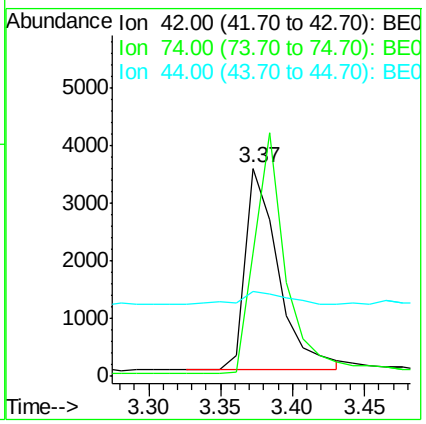


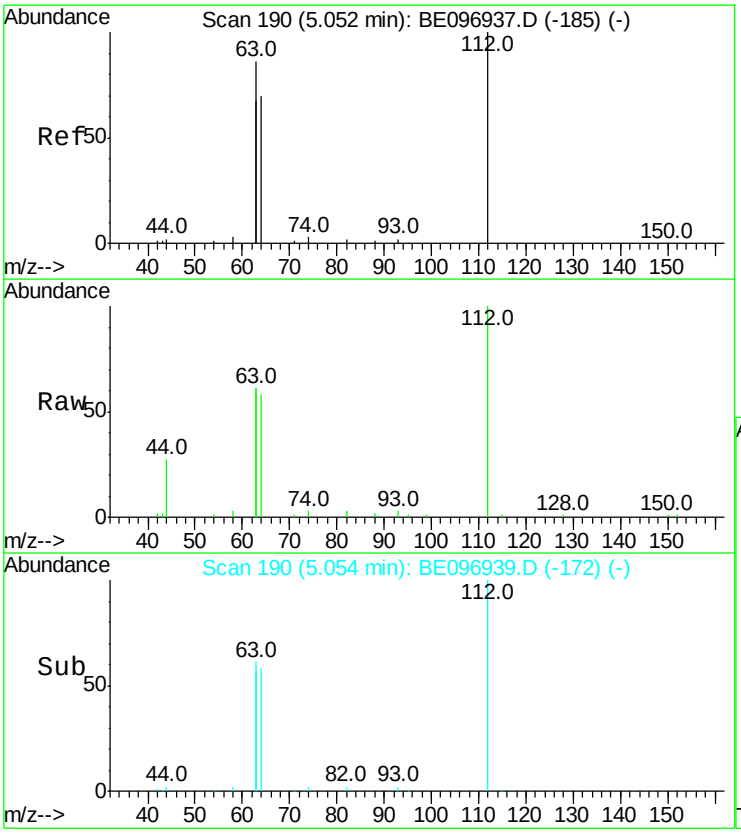
#3
n-Nitrosodimethylamine
Concen: 1.684 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 5604

Ion	Ratio	Lower	Upper
42	100		
74	110.0	96.0	144.0
44	9.4	12.0	18.0#

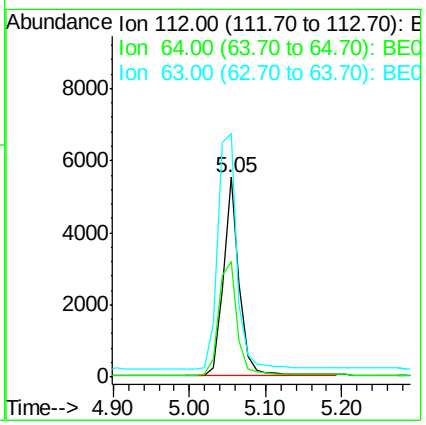


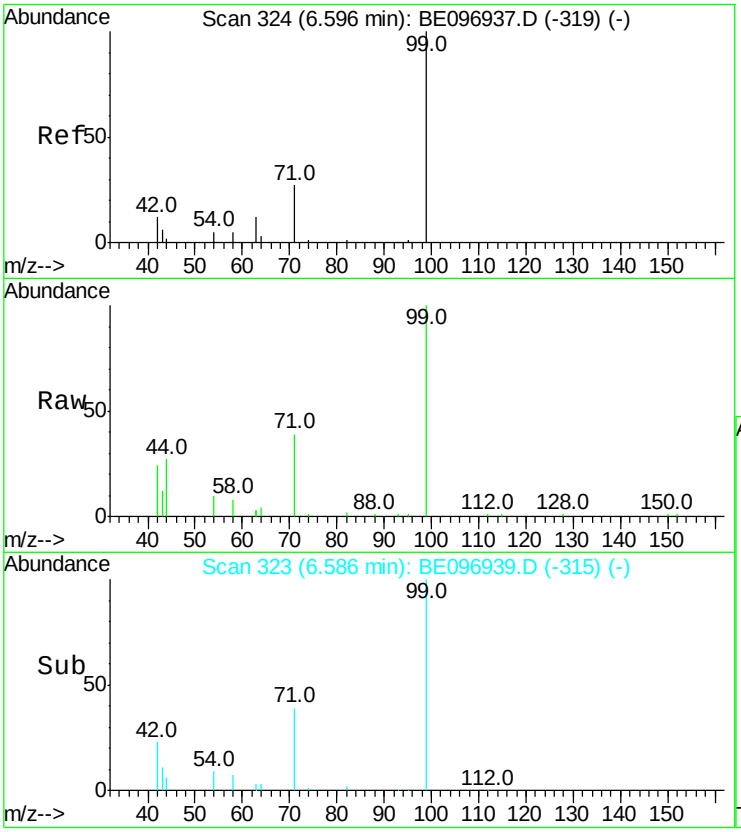


#4
2-Fluorophenol
Concen: 1.632 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:112 Resp: 8065

Ion	Ratio	Lower	Upper
112	100		
64	67.1	60.1	90.1
63	145.5	116.8	175.2



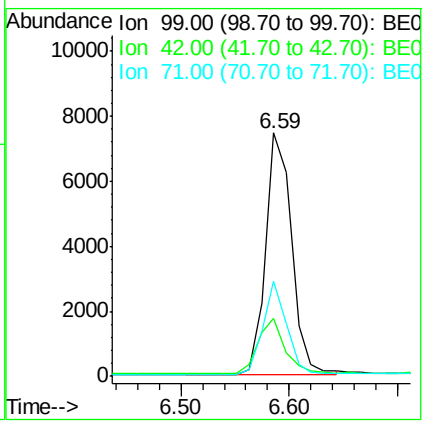


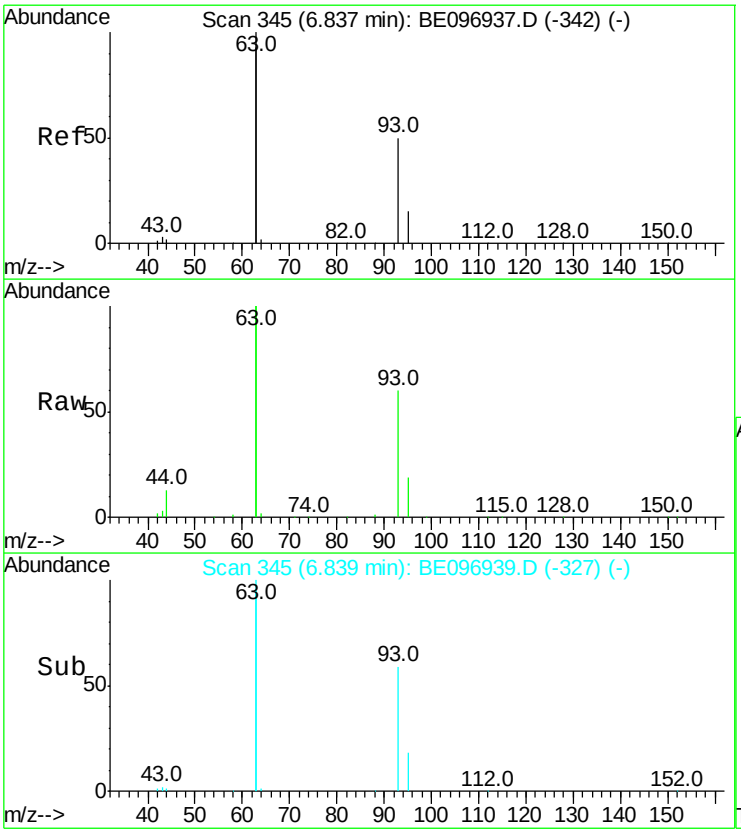
#5
Phenol-d6
Concen: 1.660 ng
RT: 6.59 min Scan# 323
Delta R.T. -0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 12519

Ion	Ratio	Lower	Upper
99	100		
42	23.7	20.2	30.2
71	35.5	28.4	42.6

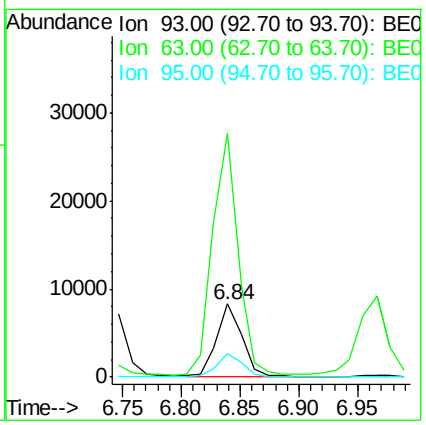


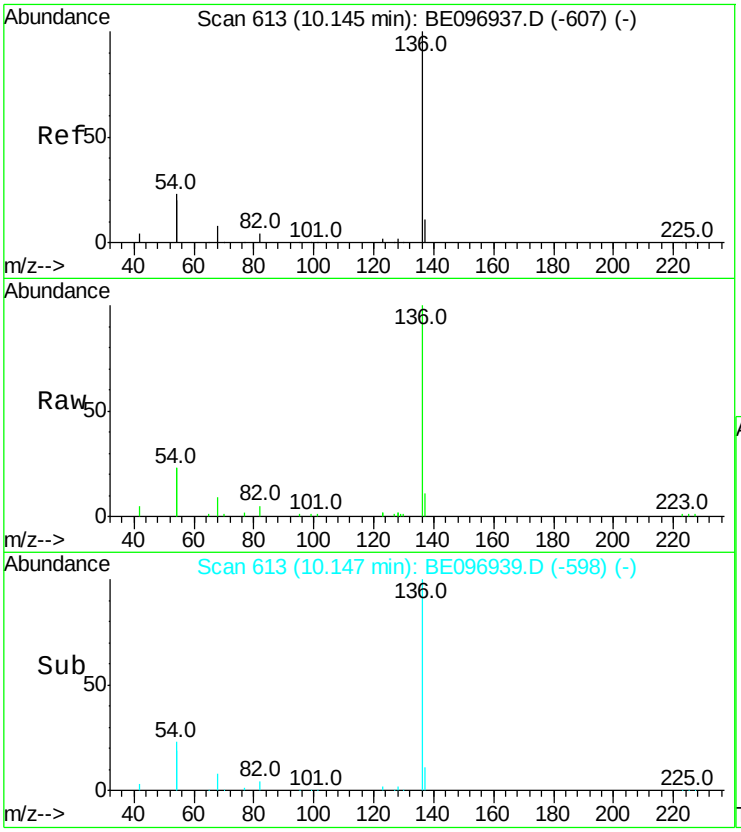


#6
bis(2-Chloroethyl)ether
Concen: 1.640 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion: 93 Resp: 12139

Ion	Ratio	Lower	Upper
93	100		
63	335.8	275.3	412.9
95	31.6	25.2	37.8



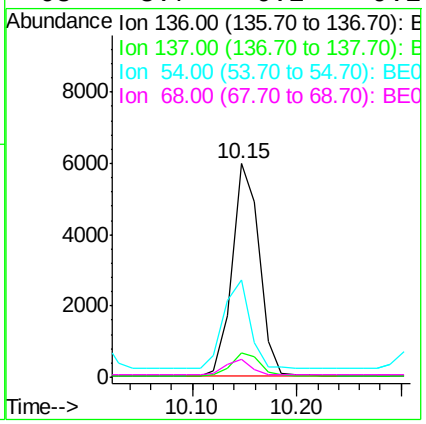


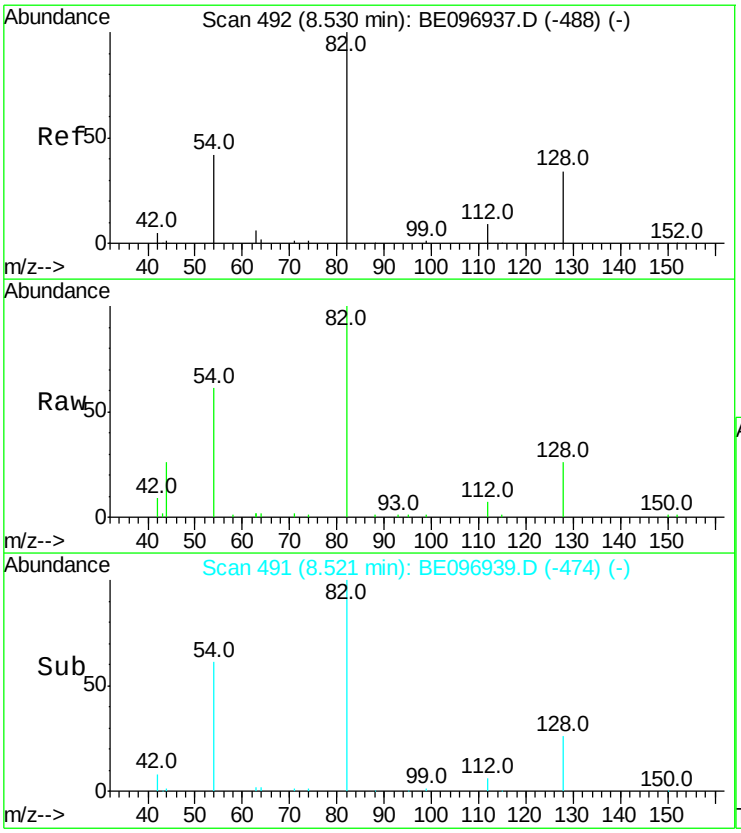
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 10649

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	45.7	29.1	43.7#
68	8.7	6.2	9.2

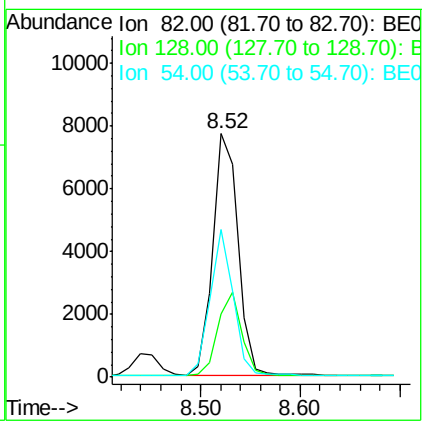


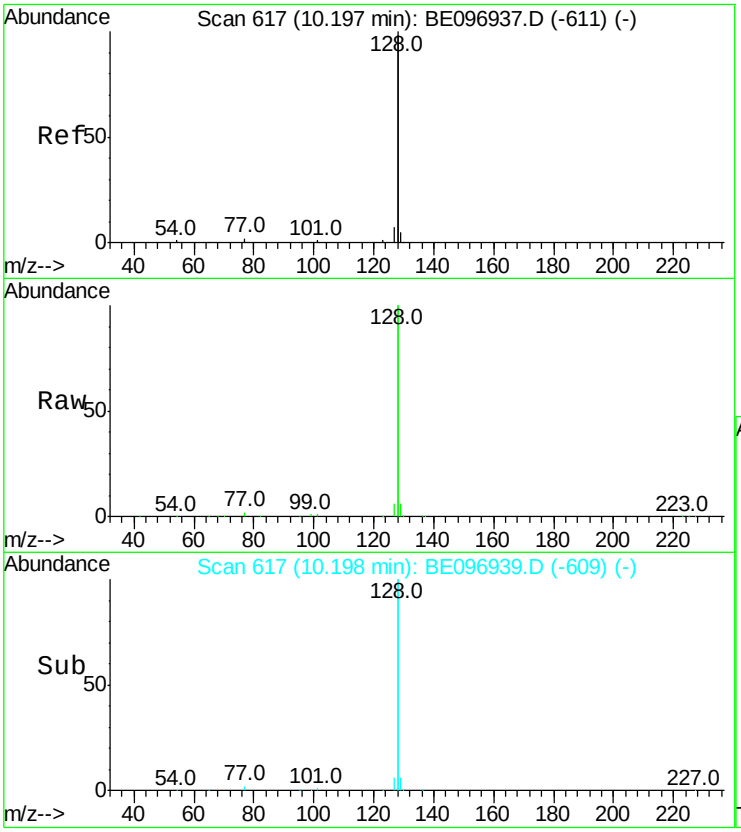


#8
Nitrobenzene-d5
Concen: 1.726 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion: 82 Resp: 13406

Ion	Ratio	Lower	Upper
82	100		
128	26.0	24.0	36.0
54	60.8	40.0	60.0#



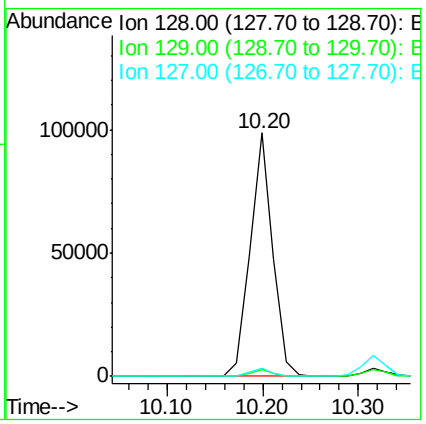


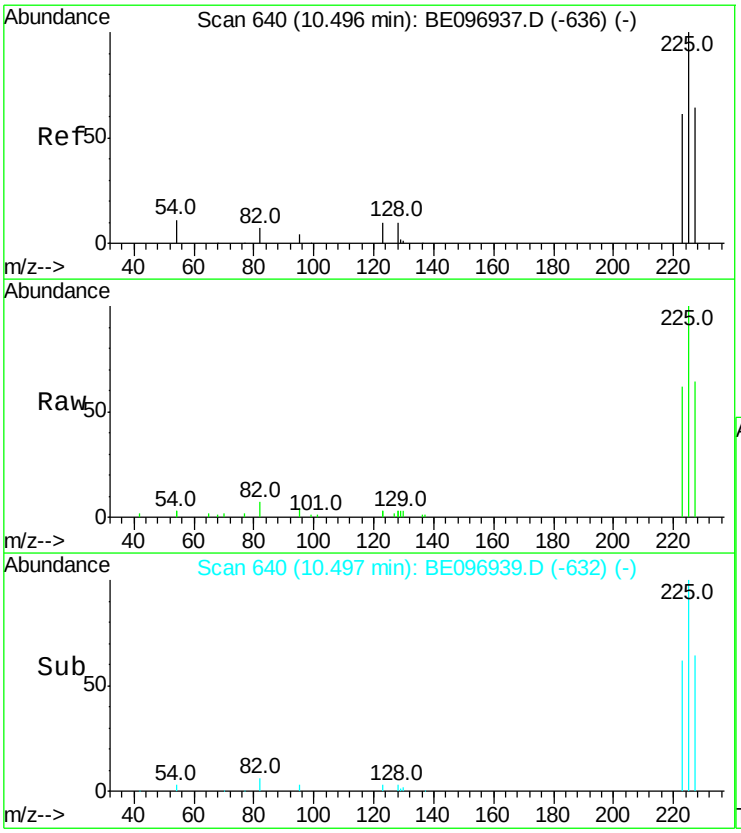
#9
Naphthalene
Concen: 1.679 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 160031

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

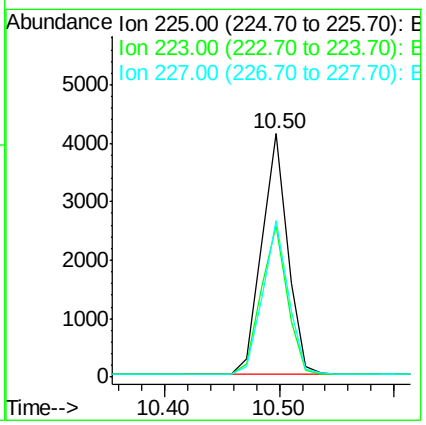


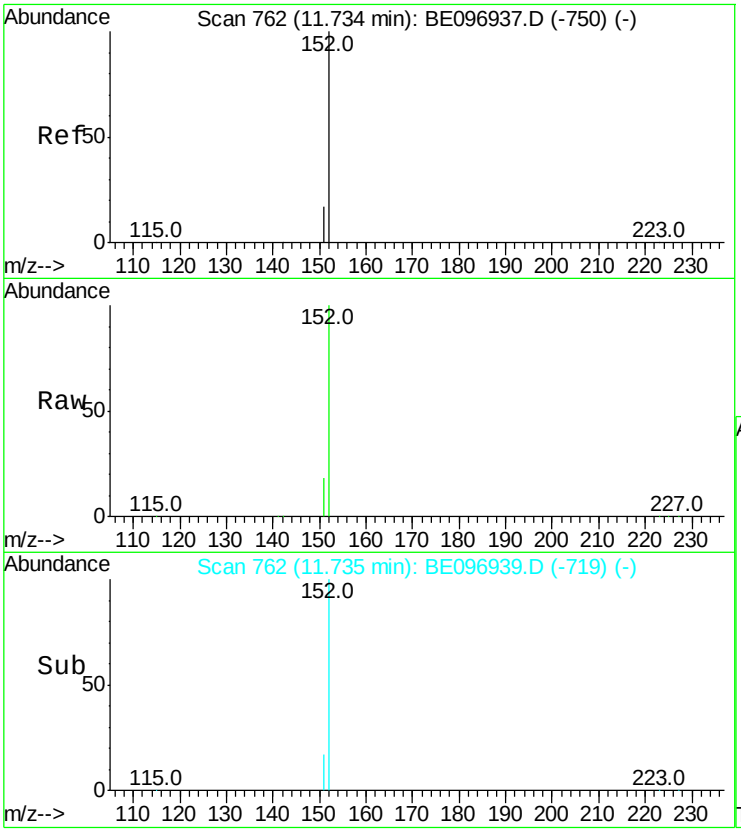


#10
Hexachlorobutadiene
Concen: 1.696 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:225 Resp: 6538

Ion	Ratio	Lower	Upper
225	100		
223	62.6	53.0	79.6
227	63.2	51.4	77.2



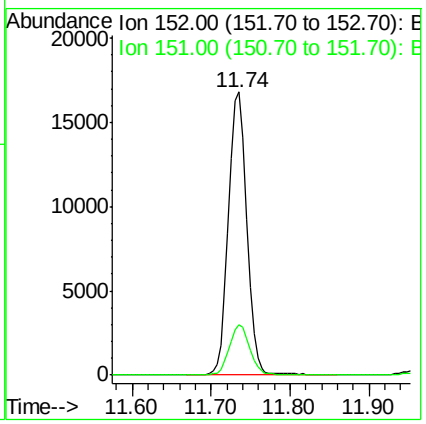


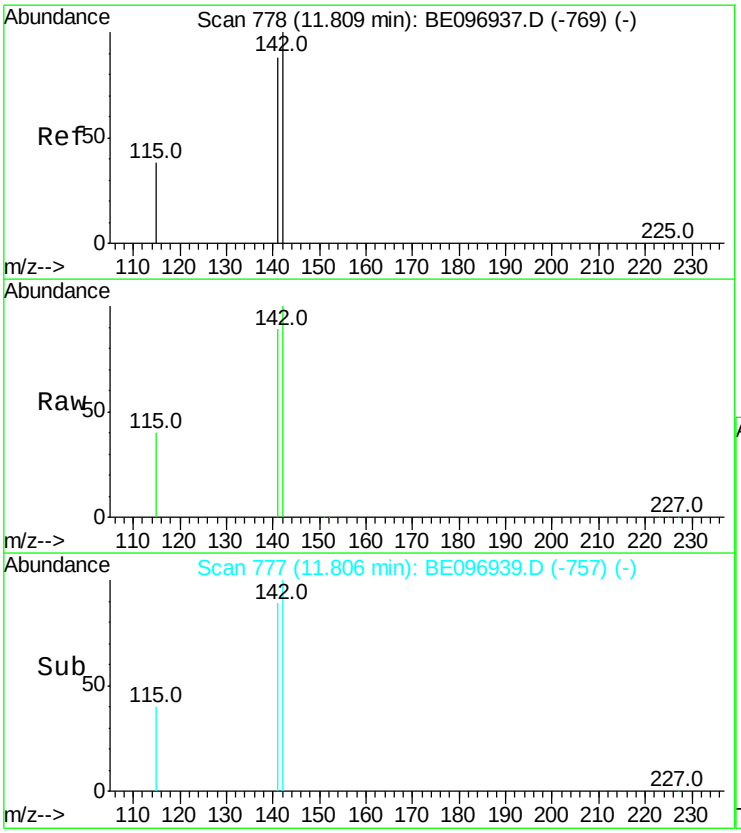
#11
2-Methylnaphthalene-d10
Concen: 1.708 ng
RT: 11.74 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 26513

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

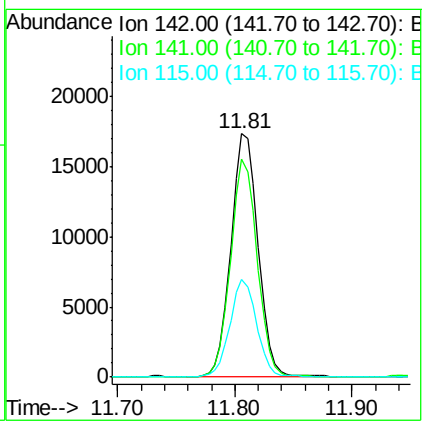


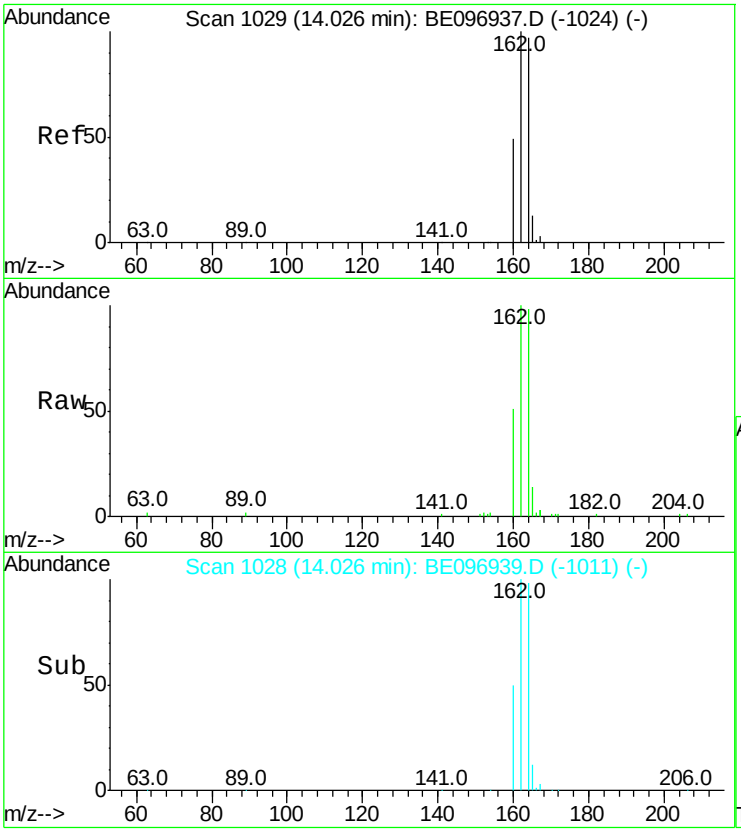


#12
2-Methylnaphthalene
Concen: 1.706 ng
RT: 11.81 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:142 Resp: 27576

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.4	105.6
115	40.0	31.7	47.5



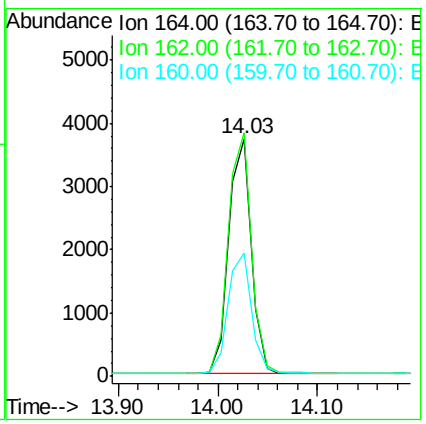


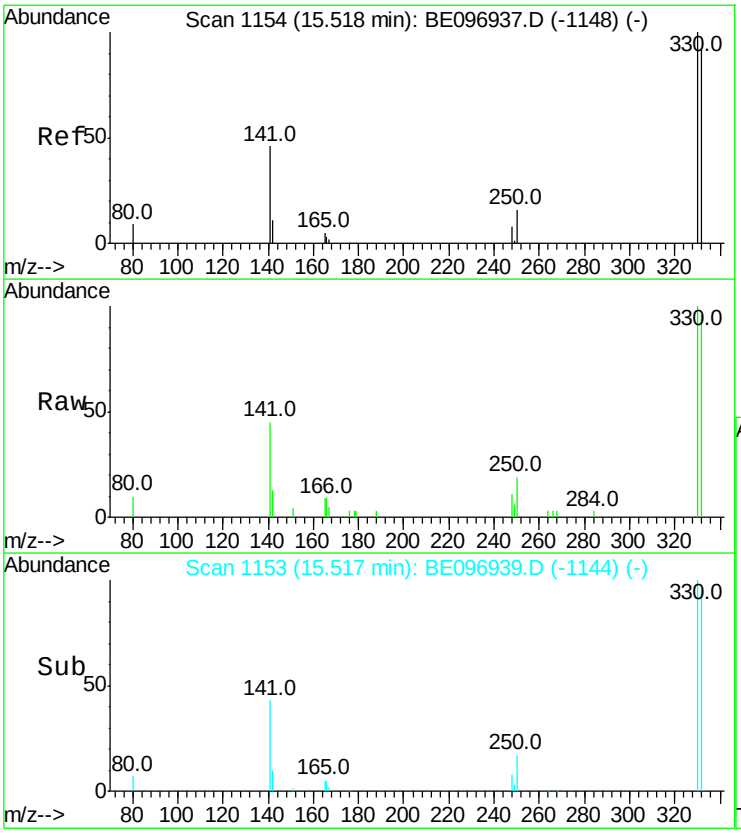
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 5813

Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.1	124.7
160	51.9	37.1	55.7

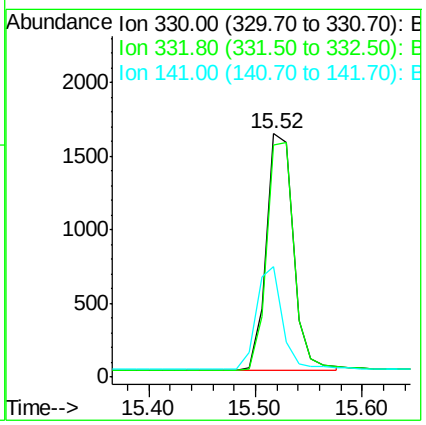


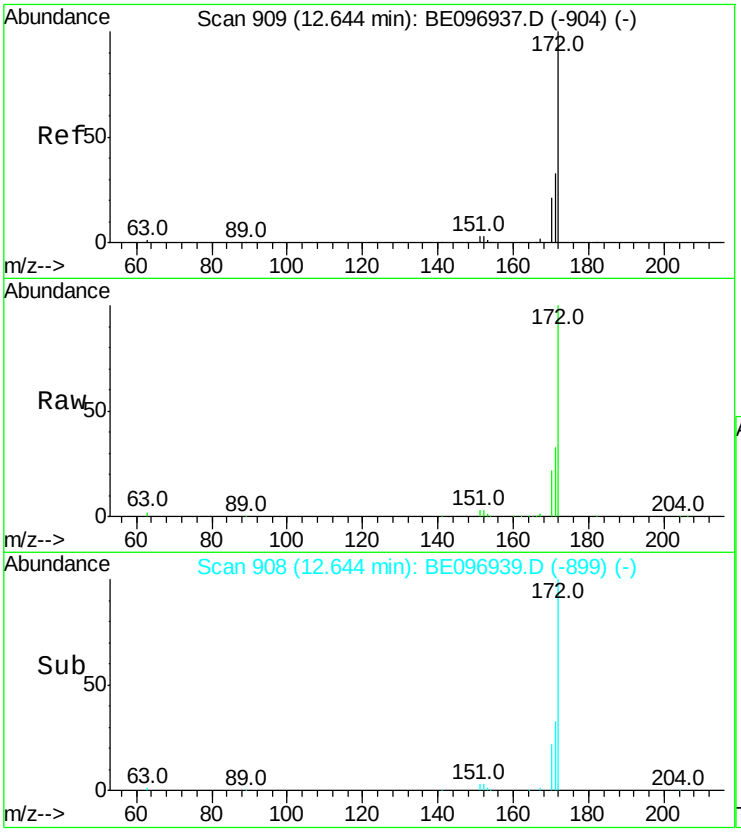


#14
2,4,6-Tribromophenol
Concen: 1.639 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:330 Resp: 2863

Ion	Ratio	Lower	Upper
330	100		
332	95.9	152.7	229.1#
141	41.8	33.7	50.5



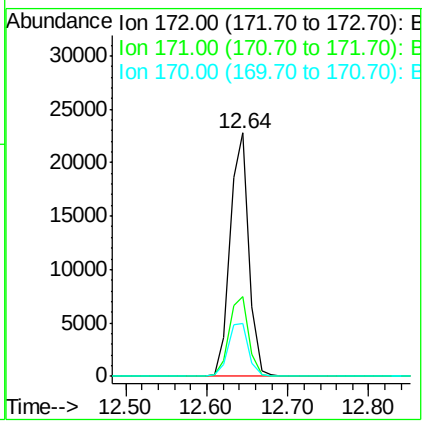


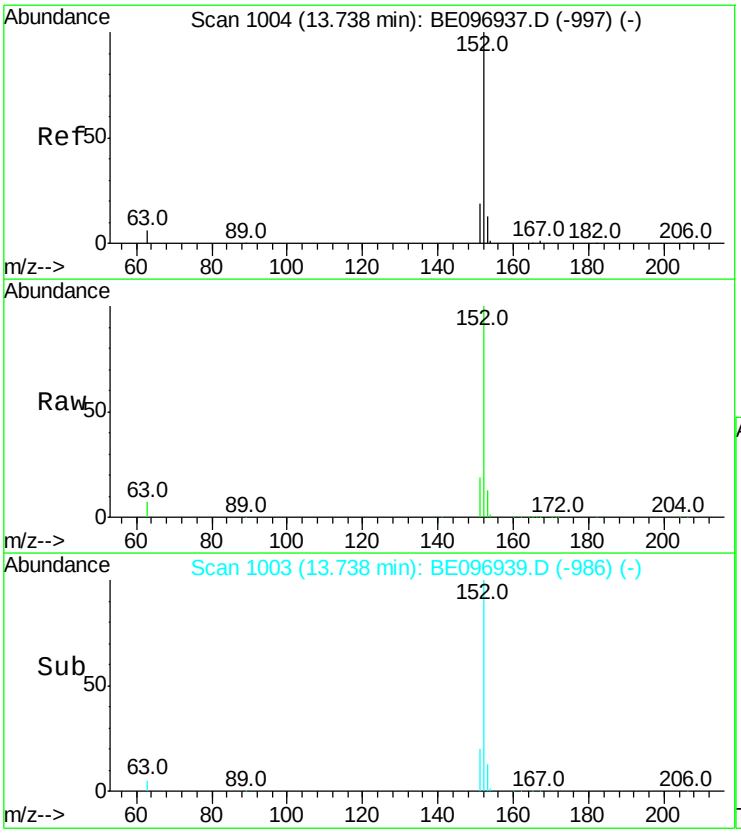
#15
2-Fluorobiphenyl
Concen: 1.669 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 36084

Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.9	44.9
170	22.0	21.8	32.8

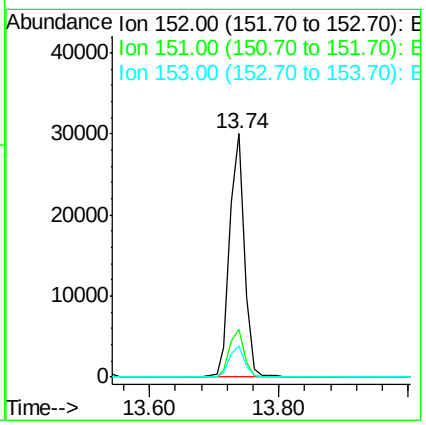


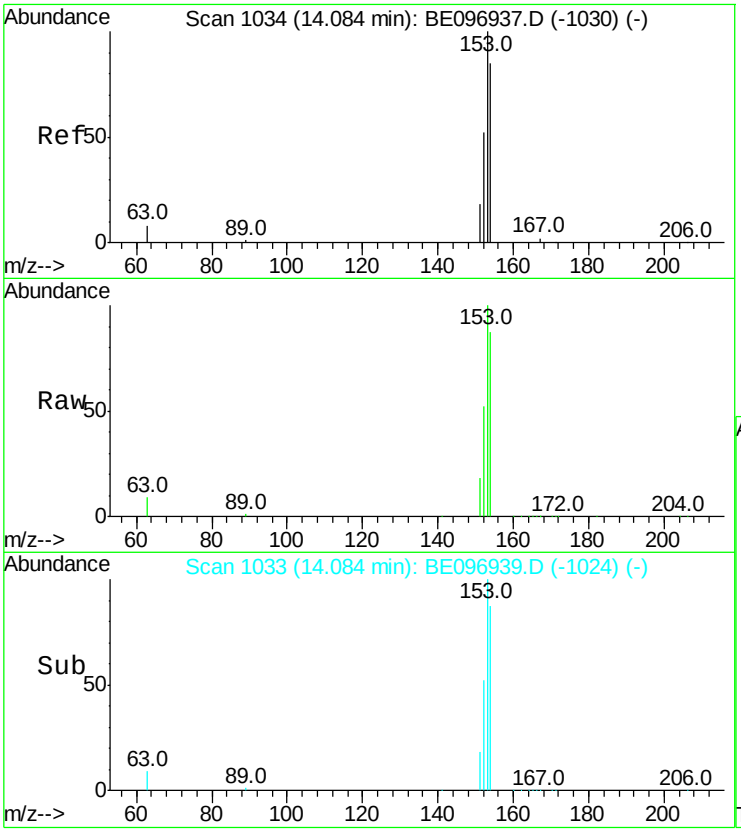


#16
Acenaphthylene
Concen: 1.744 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:152 Resp: 46297

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.9	10.5	15.7



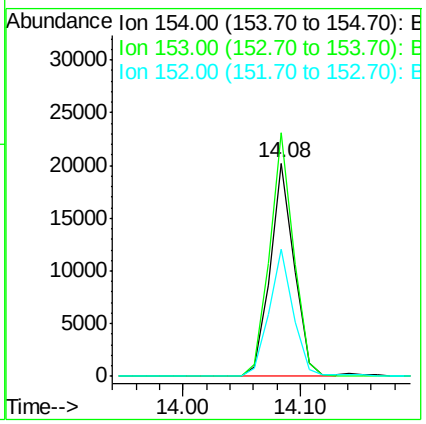


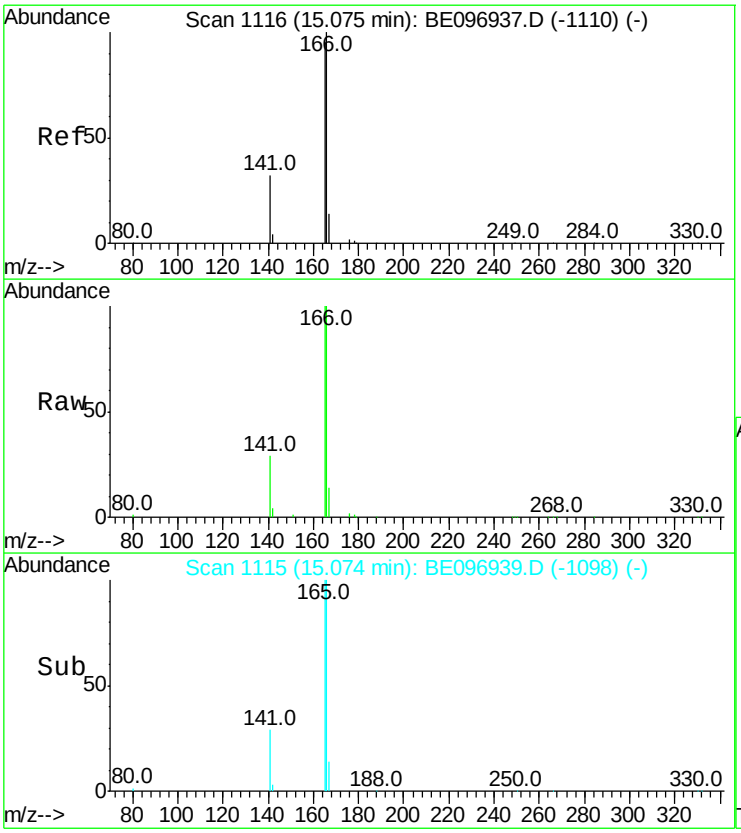
#17
Acenaphthene
Concen: 1.711 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 28235

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.2	133.8
152	59.9	42.0	63.0

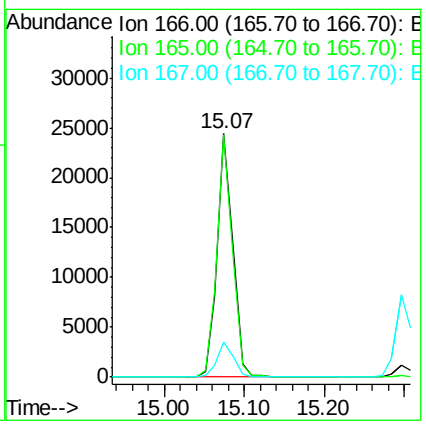


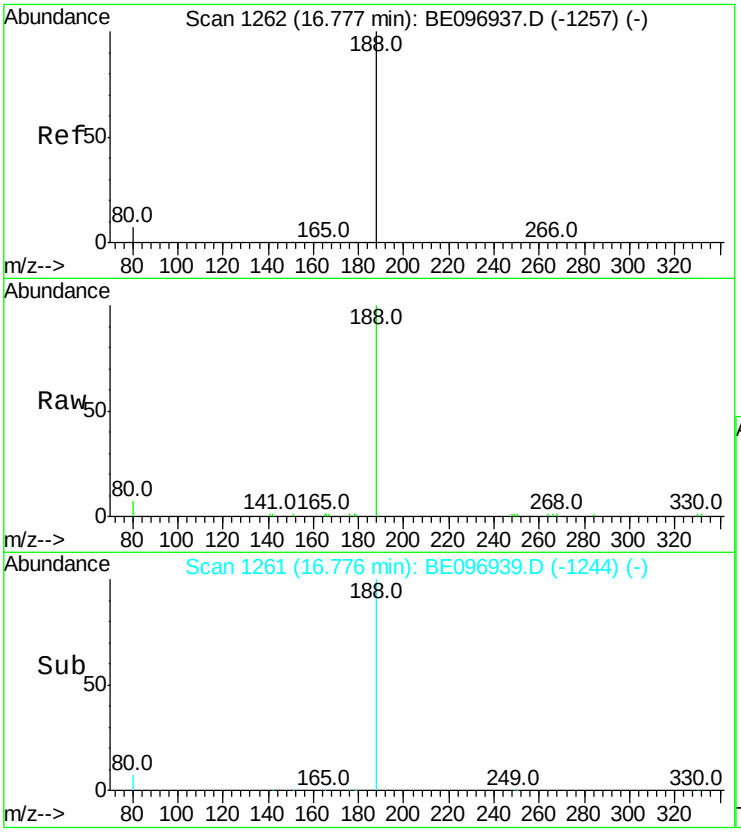


#18
Fluorene
Concen: 1.768 ng
RT: 15.07 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:166 Resp: 32758

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.8	116.6
167	14.2	42.4	63.6#



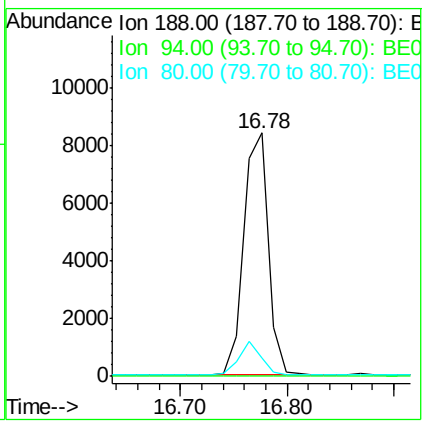


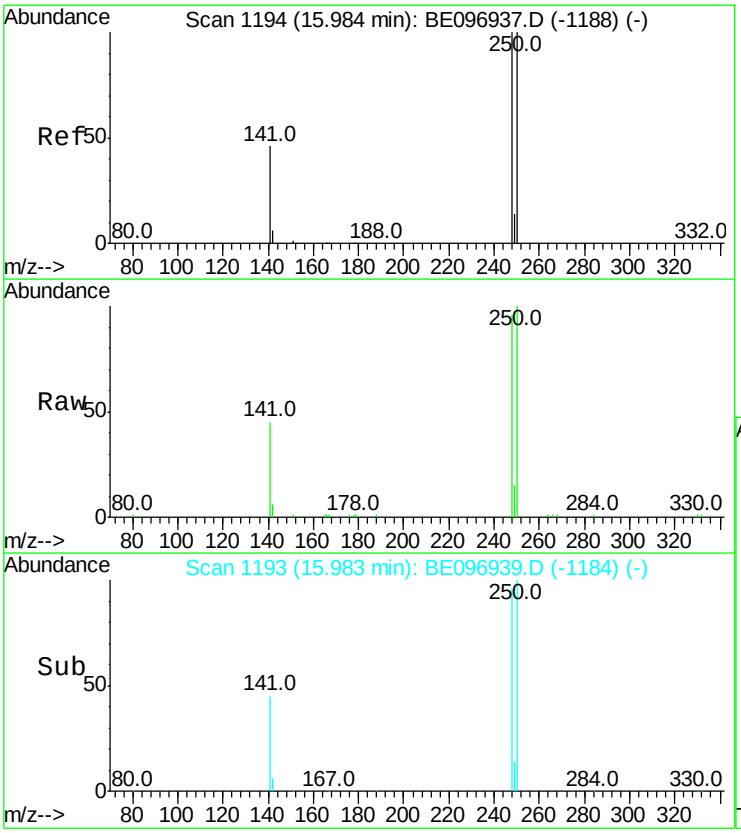
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 13438

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.4	3.6	5.4#

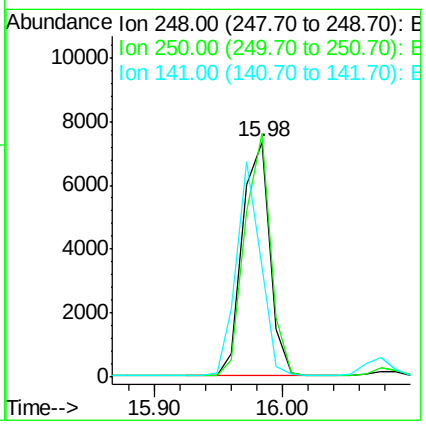


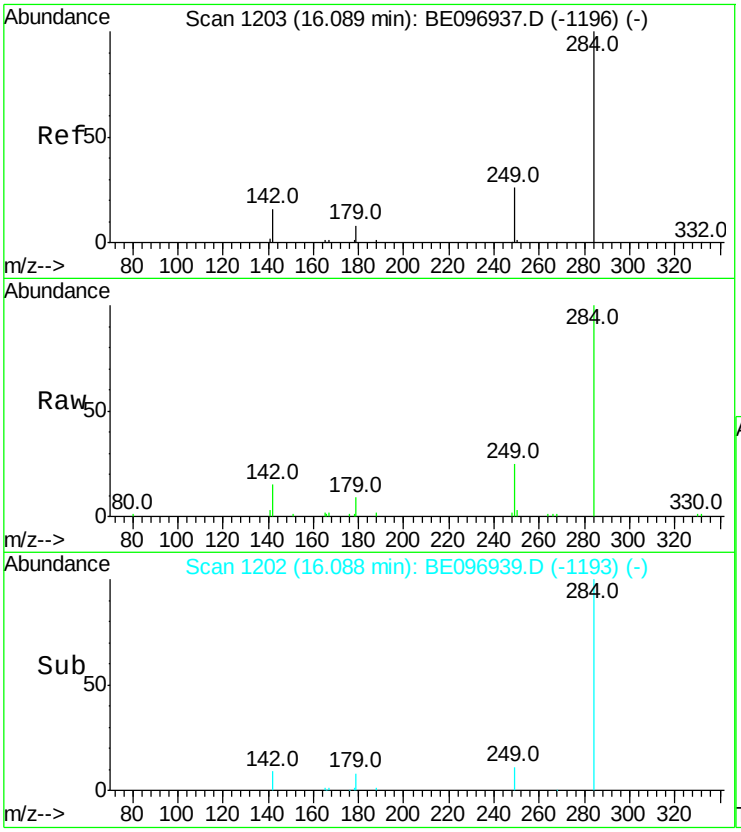


#20
4-Bromophenyl-phenylether
Concen: 1.710 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:248 Resp: 10869

Ion	Ratio	Lower	Upper
248	100		
250	103.6	62.7	94.1#
141	47.1	48.2	72.2#



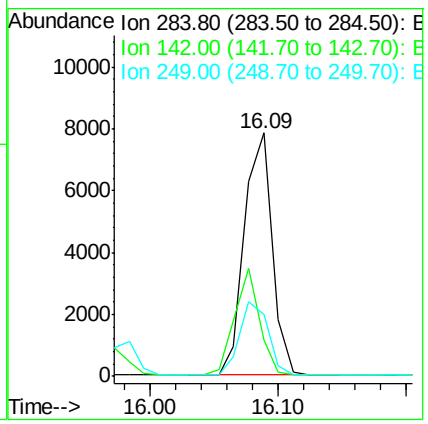


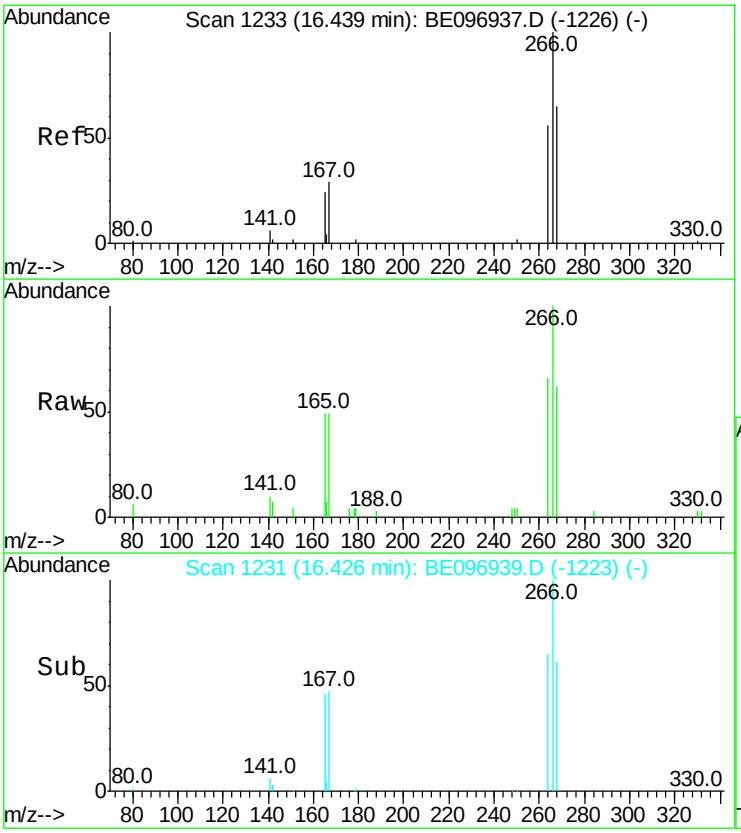
#21
Hexachlorobenzene
Concen: 1.681 ng
RT: 16.09 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:284 Resp: 11865

Ion	Ratio	Lower	Upper
284	100		
142	38.9	22.1	33.1#
249	31.0	34.8	52.2#

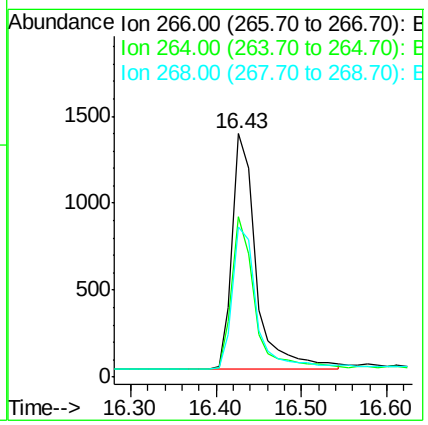


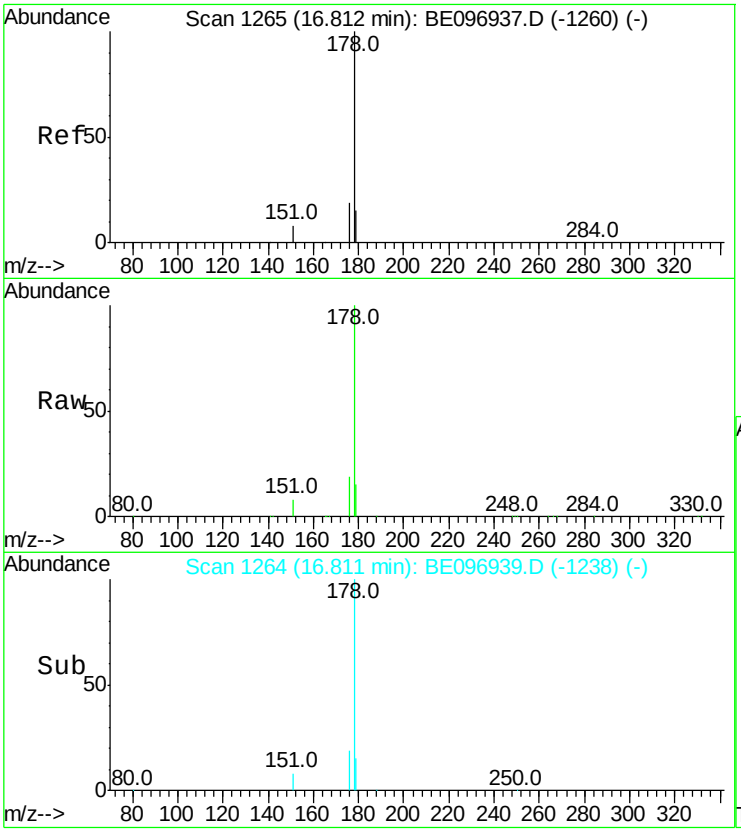


#22
Pentachlorophenol
Concen: 1.600 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:266 Resp: 2665

Ion	Ratio	Lower	Upper
266	100		
264	65.9	72.5	108.7#
268	61.8	73.8	110.6#



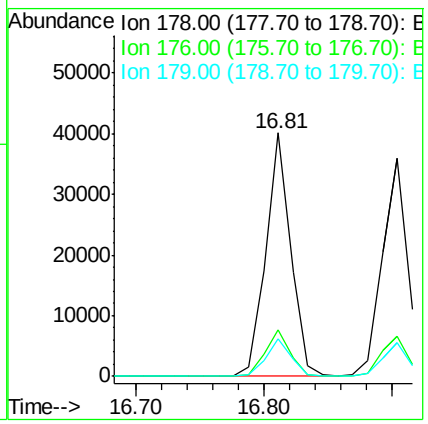


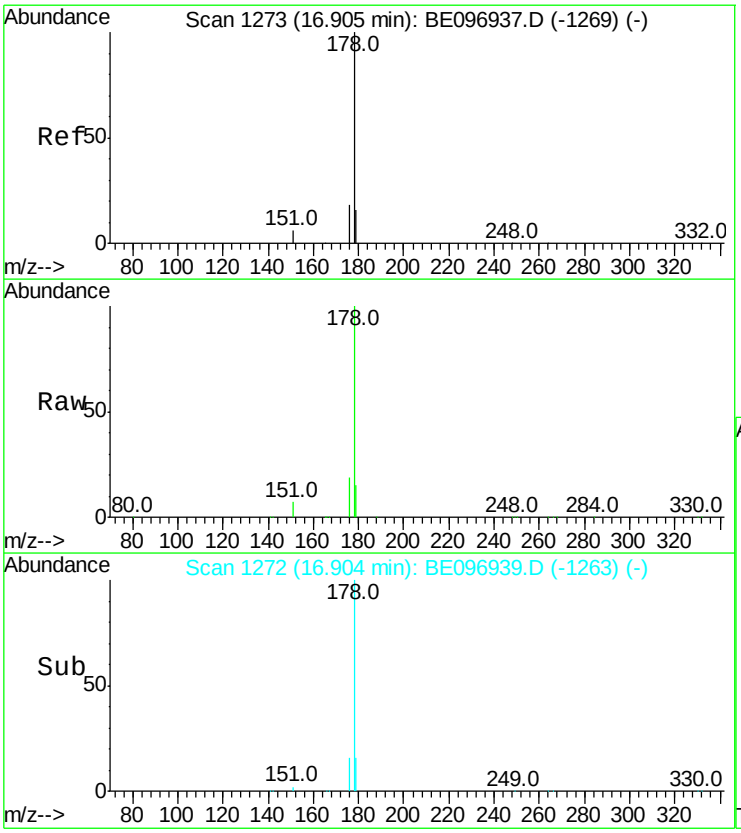
#23
Phenanthrene
Concen: 1.698 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 54656

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.2	11.8	17.6

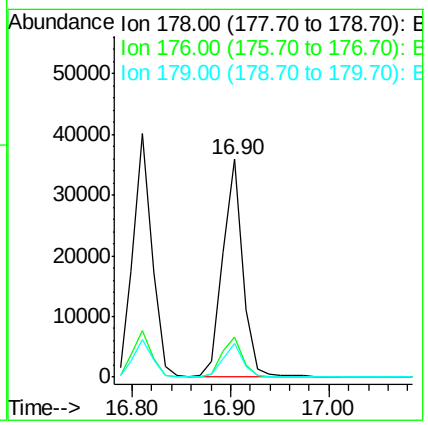


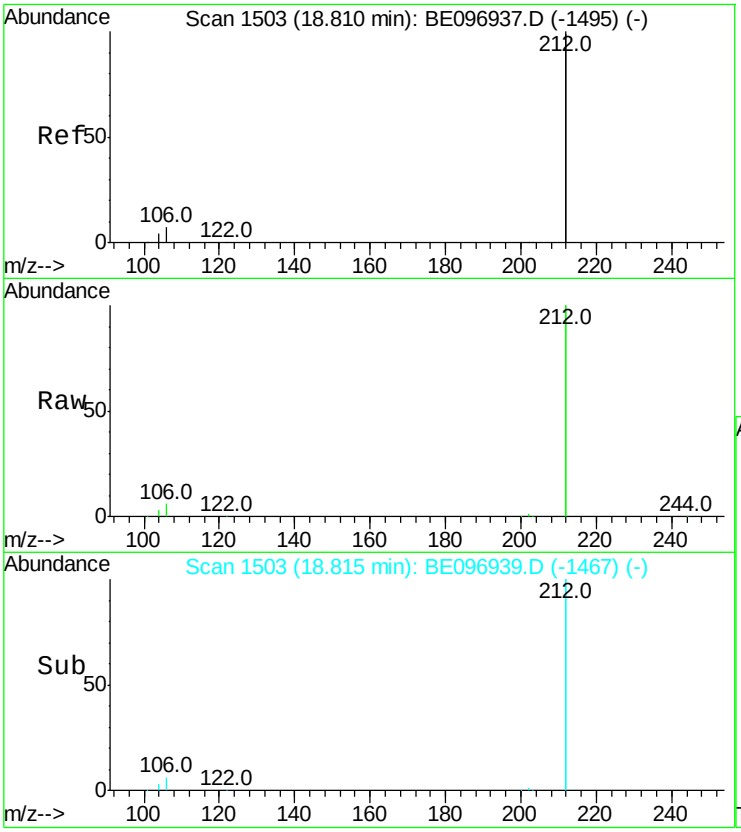


#24
Anthracene
Concen: 1.785 ng
RT: 16.90 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:178 Resp: 49997

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	15.2	13.0	19.6



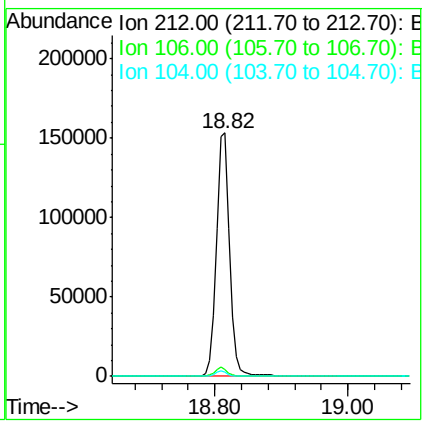


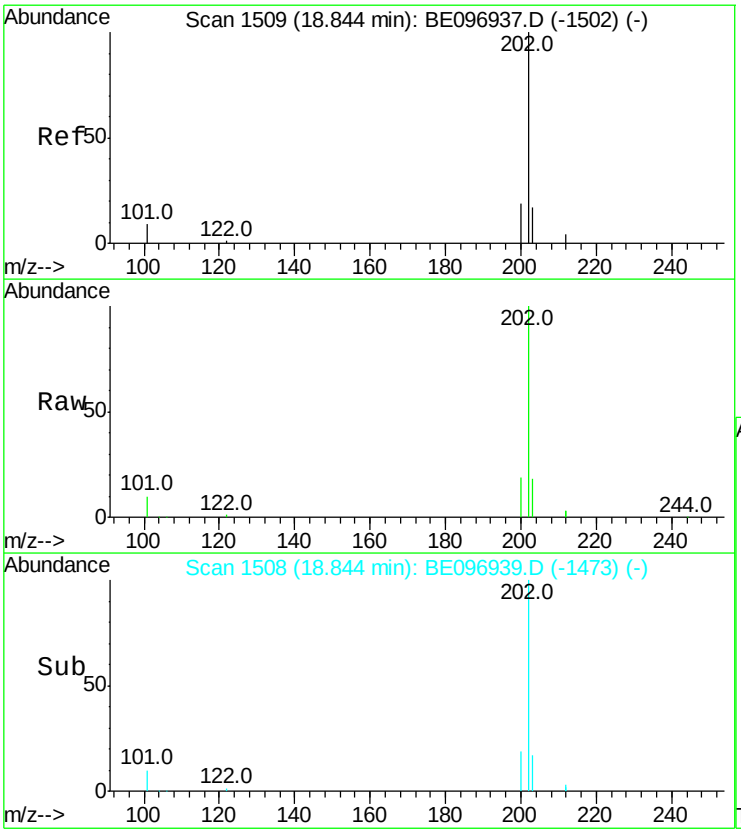
#25
Fluoranthene-d10
Concen: 1.783 ng
RT: 18.82 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 208505

Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

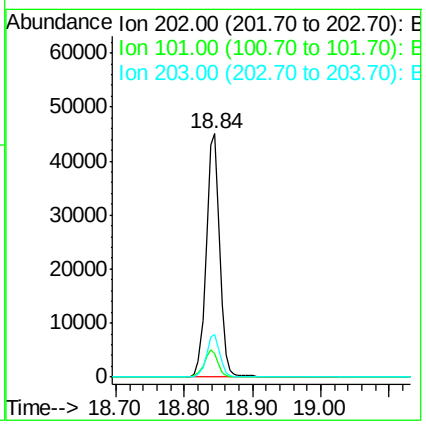


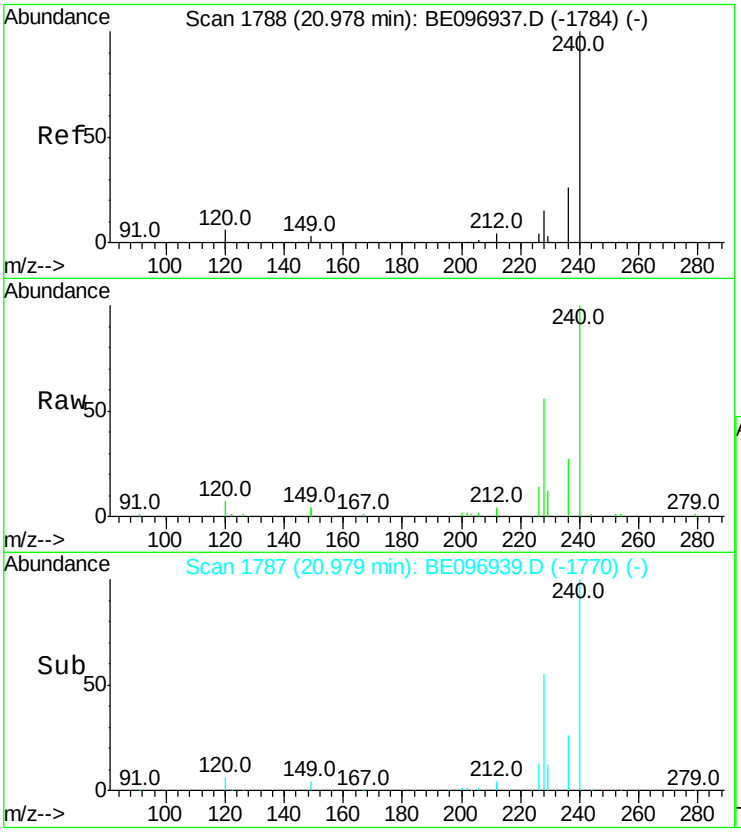


#26
Fluoranthene
Concen: 1.806 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:202 Resp: 61317

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.4	13.7	20.5



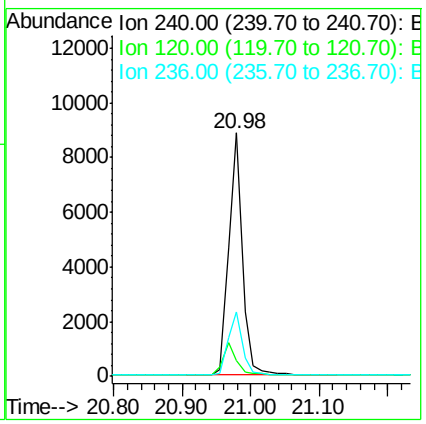


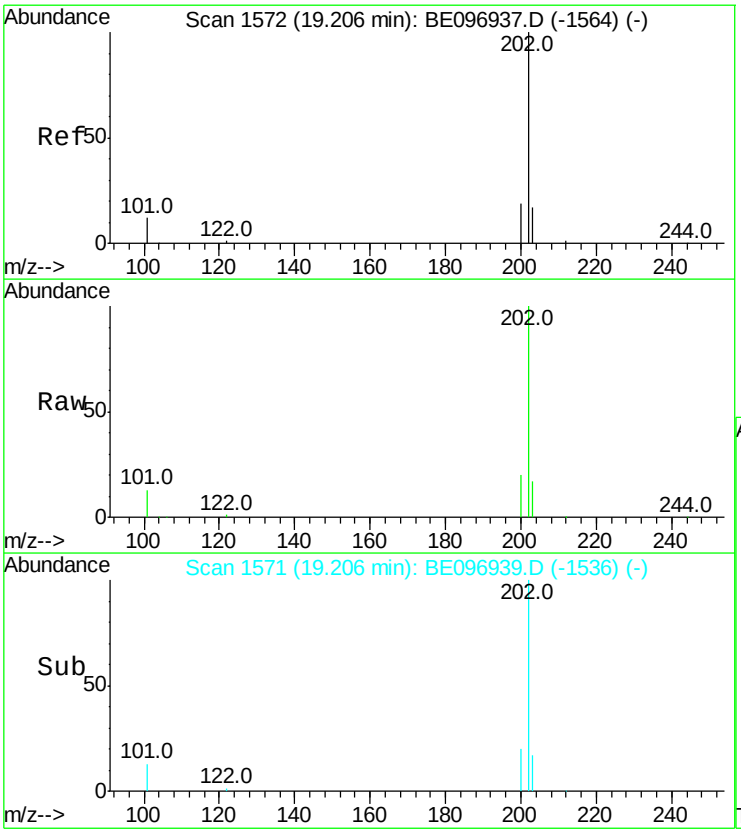
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 12300

Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.5	8.3
236	26.6	20.7	31.1

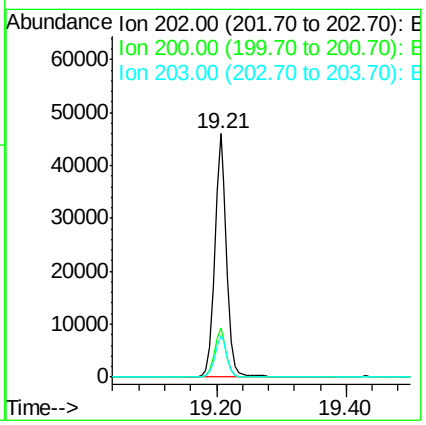


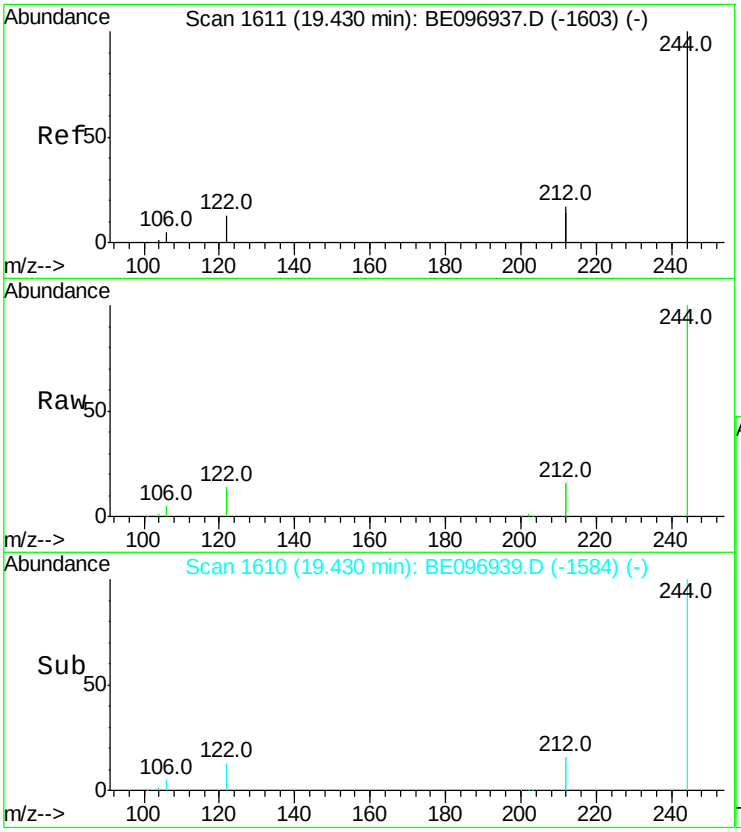


#28
Pyrene
Concen: 1.642 ng
RT: 19.21 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:202 Resp: 59632

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.6	25.0
203	17.4	13.8	20.8



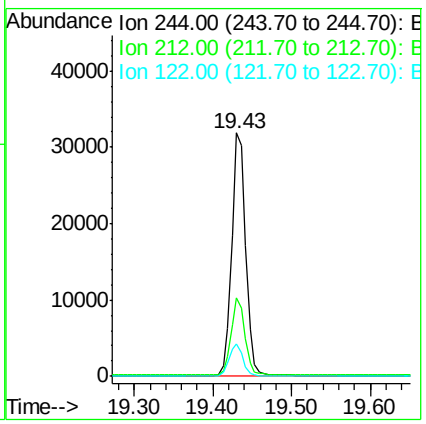


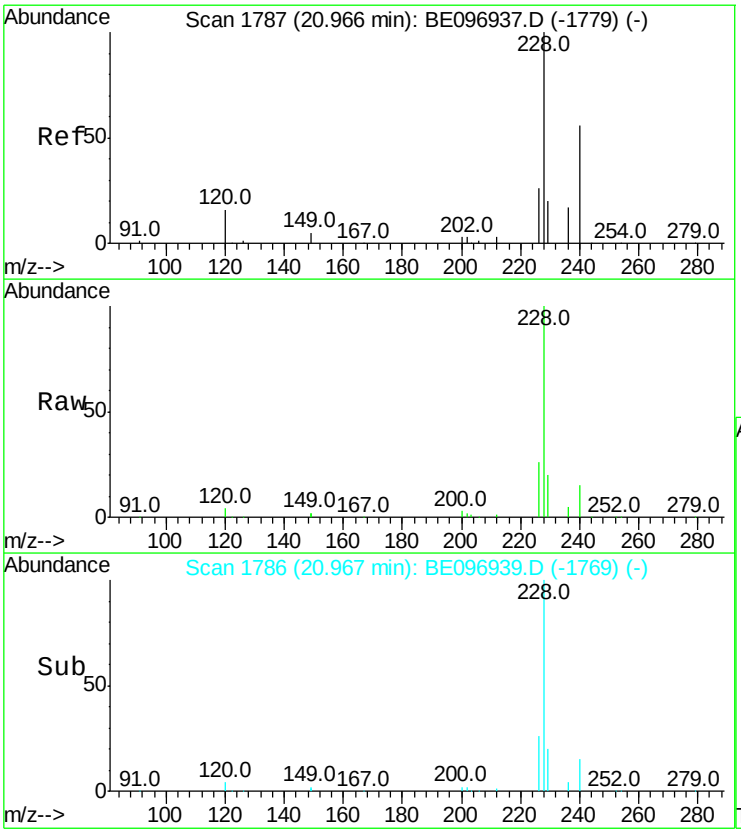
#29
Terphenyl-d14
Concen: 1.676 ng
RT: 19.43 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 39780

Ion	Ratio	Lower	Upper
244	100		
212	32.5	25.4	38.0
122	13.5	8.1	12.1#

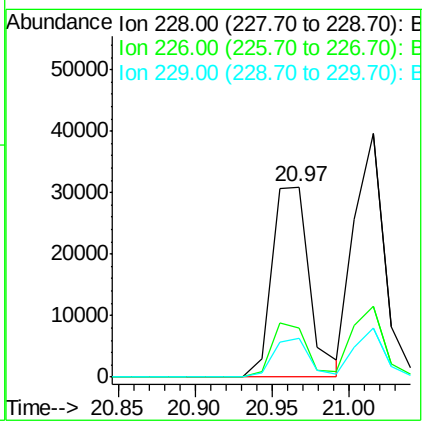


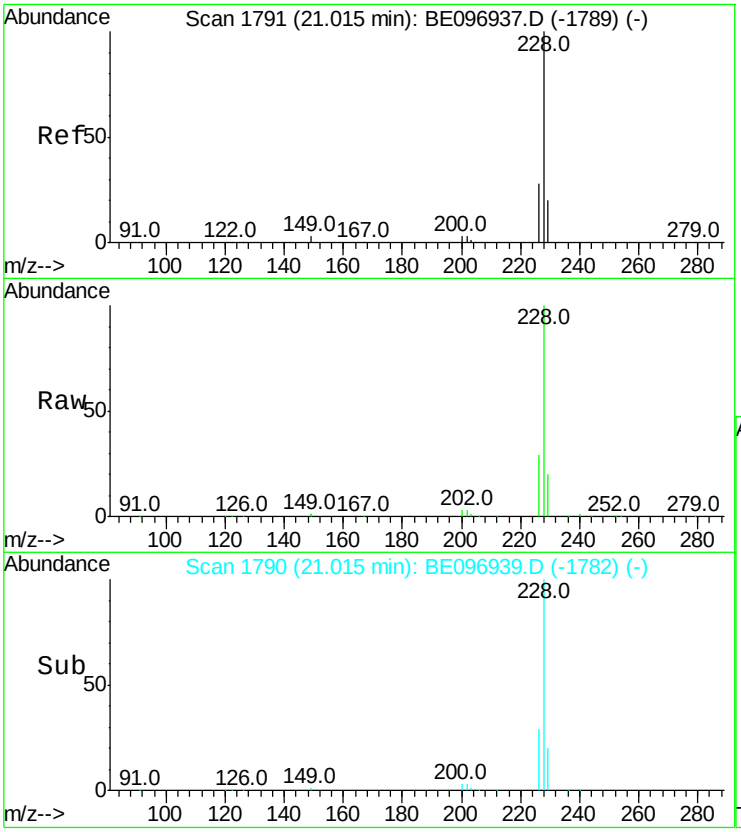


#30
Benzo(a)anthracene
Concen: 1.787 ng
RT: 20.97 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:228 Resp: 52337

Ion	Ratio	Lower	Upper
228	100		
226	25.9	24.0	36.0
229	20.3	16.0	24.0



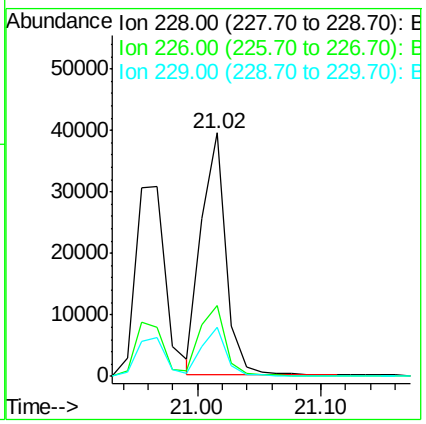


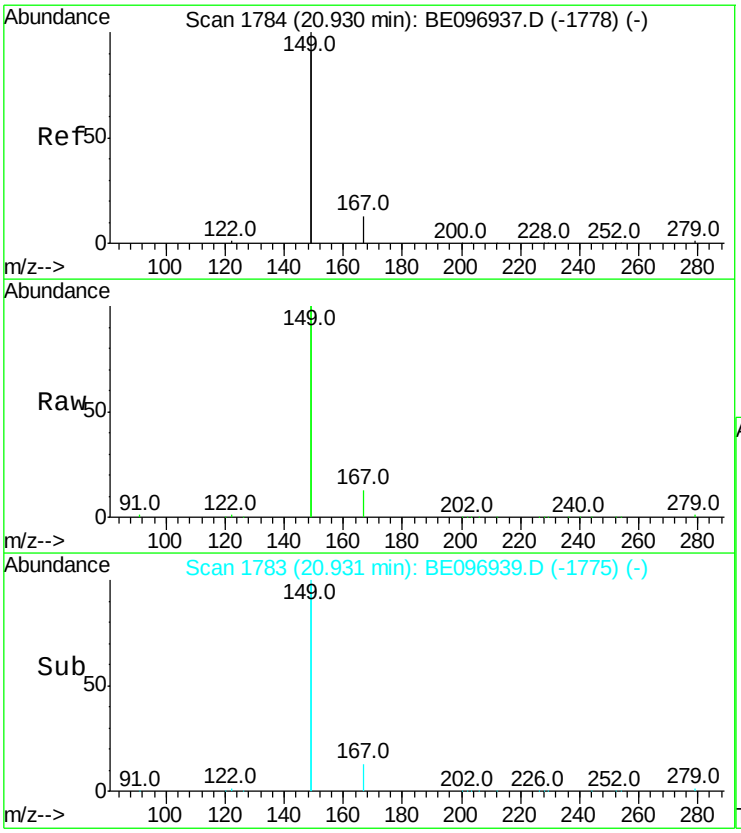
#31
Chrysene
Concen: 1.656 ng
RT: 21.02 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 54394

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	19.9	16.0	24.0

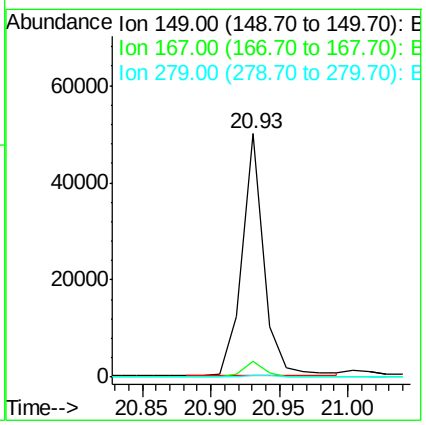


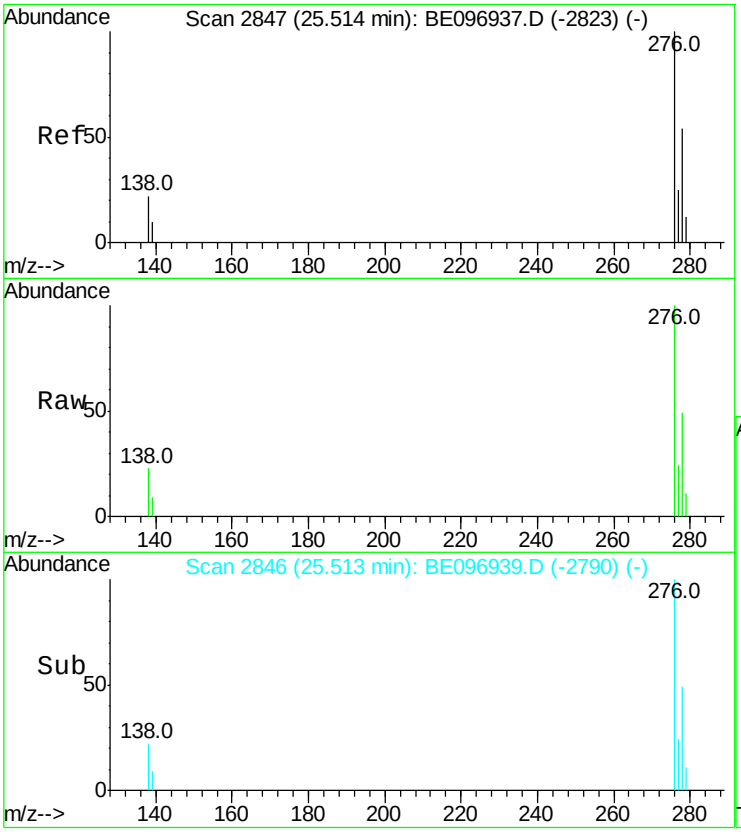


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.863 ng
RT: 20.93 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:149 Resp: 54475

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.8	0.7	1.1



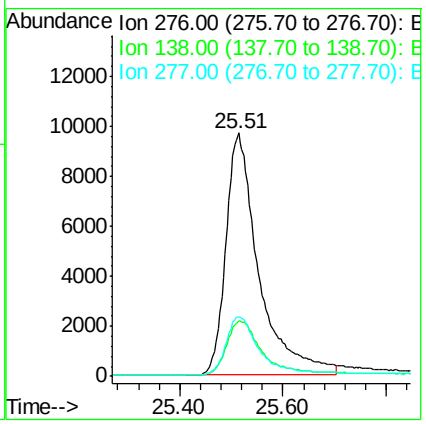


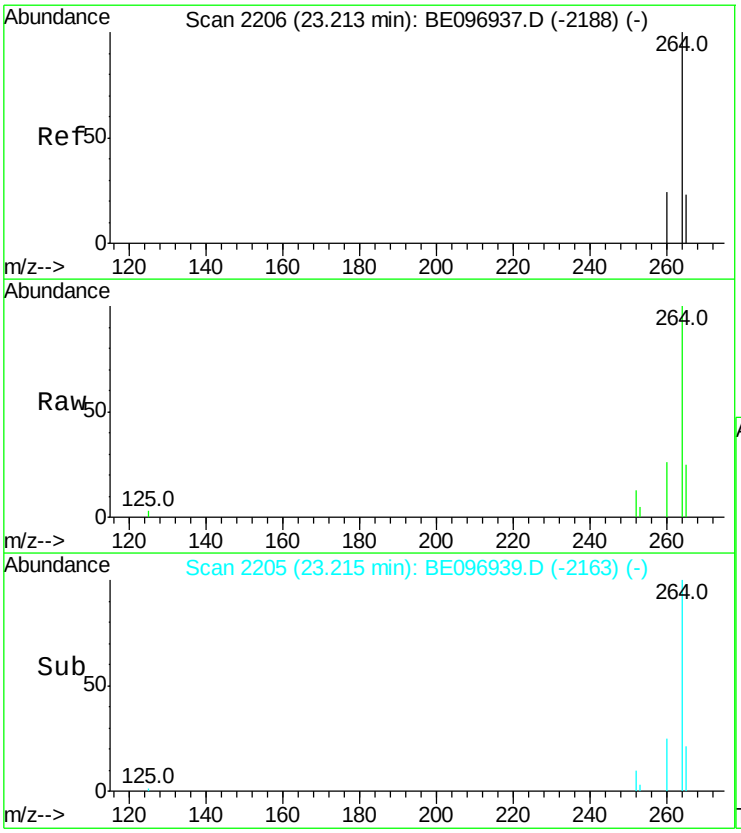
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.711 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 43082

Ion	Ratio	Lower	Upper
276	100		
138	24.3	22.5	33.7
277	24.9	19.9	29.9

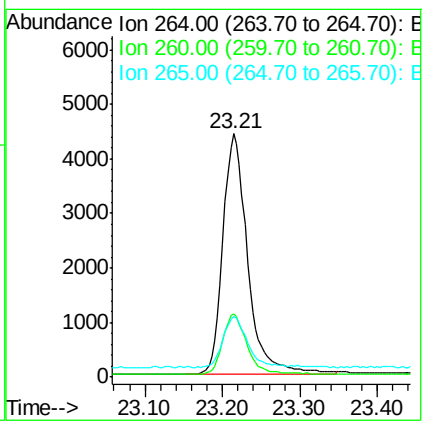


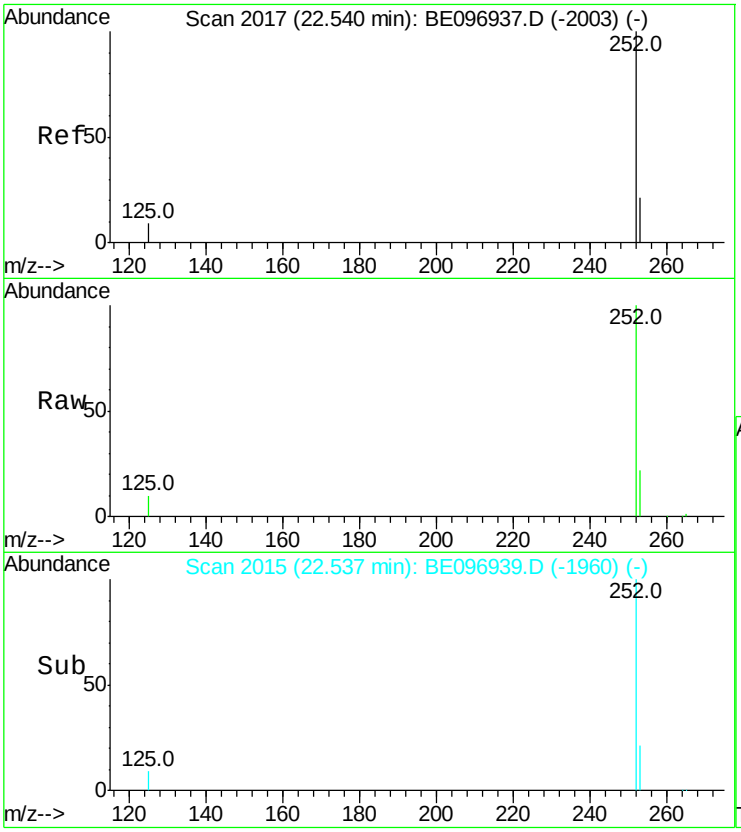


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:264 Resp: 9876

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	24.7	22.8	34.2



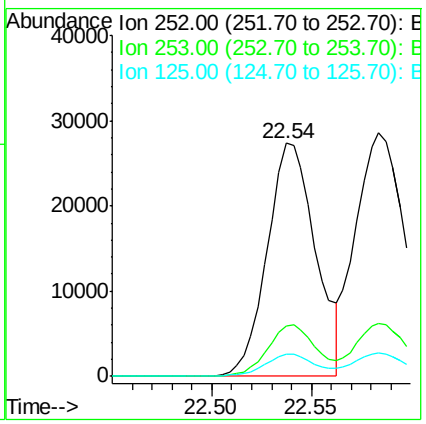


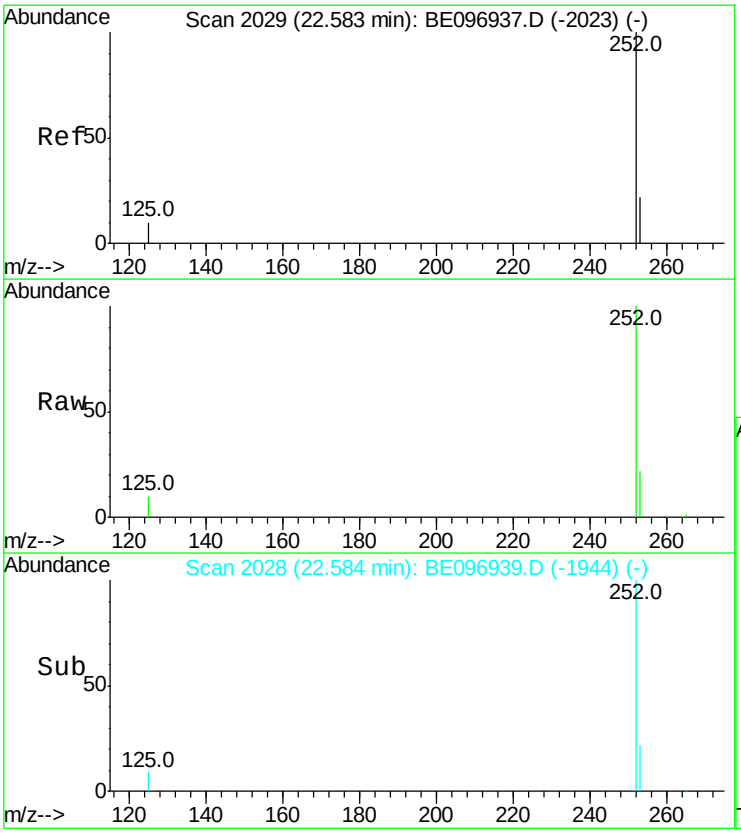
#35
Benzo(b)fluoranthene
Concen: 1.823 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 45956

Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.0	30.0
125	9.6	16.0	24.0#

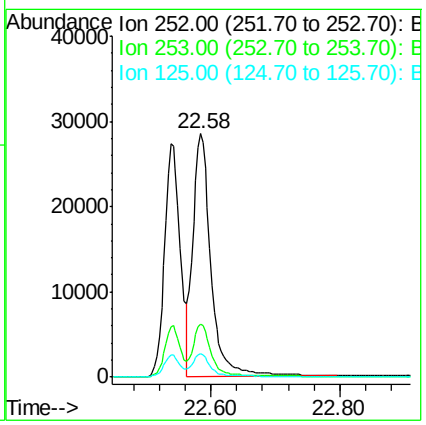


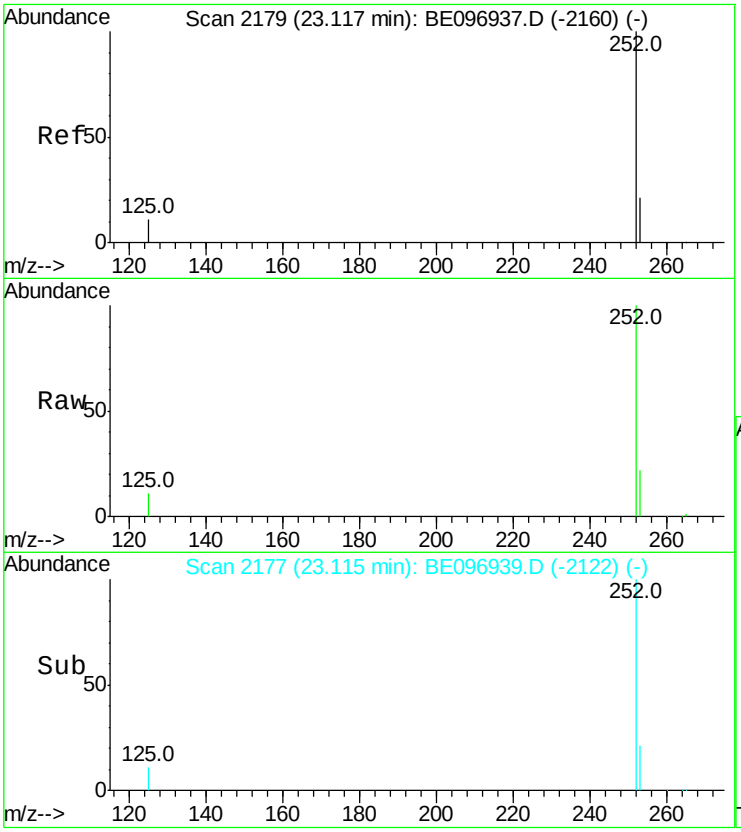


#36
Benzo(k)fluoranthene
Concen: 1.829 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:252 Resp: 54834

Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.0	24.0
125	9.5	8.0	12.0



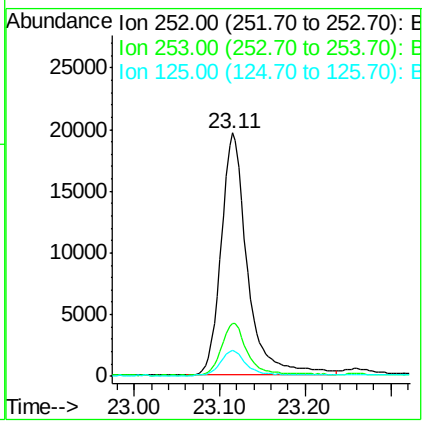


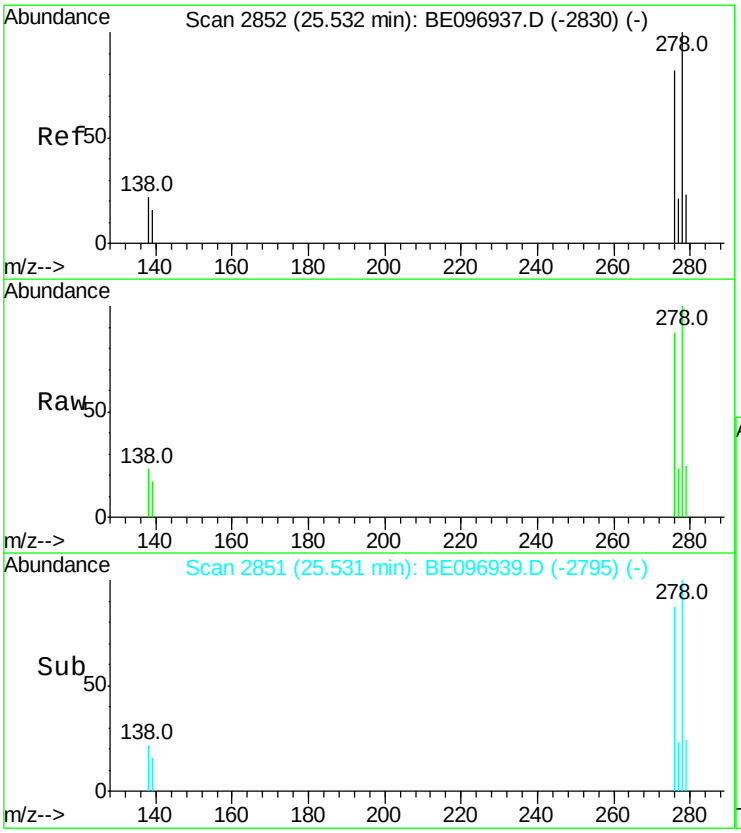
#37
Benzo(a)pyrene
Concen: 1.869 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 42136

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.0	24.0
125	10.9	12.0	18.0#

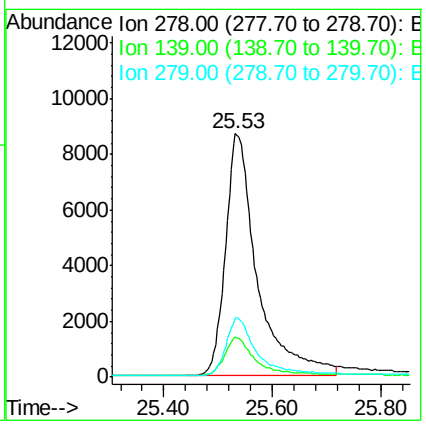


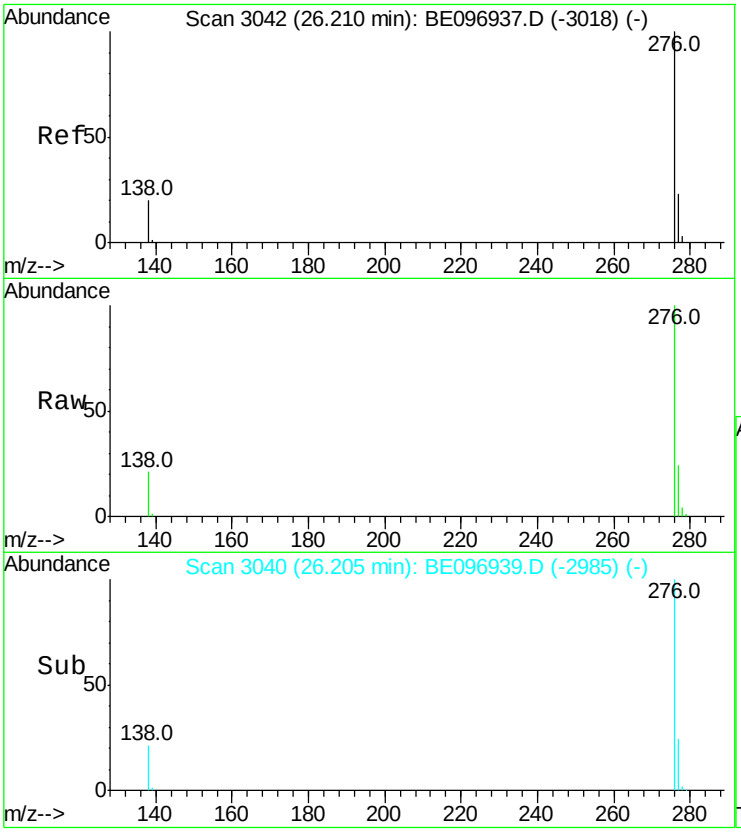


#38
Dibenzo(a,h)anthracene
Concen: 1.803 ng
RT: 25.53 min Scan# 2851
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Tgt Ion:278 Resp: 35596

Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.0	24.0
279	24.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 1.697 ng
RT: 26.21 min Scan# 3040
Delta R.T. -0.00 min
Lab File: BE096939.D
Acq: 16 Jul 2018 14:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 37668

Ion	Ratio	Lower	Upper
276	100		
277	24.4	16.0	24.0#
138	21.3	20.0	30.0