Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
Data File : BE096831.D
Acq On : 20 Jun 2018 12:13
Operator : SJ/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC1.6

Quant Time: Jun 20 12:54:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 11:46:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2608	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	12895	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	7437	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	18485	0.40	ng		0.00
27) Chrysene-d12	20.98	240	17848	0.40	ng		0.00
34) Perylene-d12	23.21	264	13081	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	9829	1.72	ng		0.00
5) Phenol-d6	6.59	99	15004	1.76	ng		0.00
8) Nitrobenzene-d5	8.53	82	13506	1.88	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	31391	1.52	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	3353	2.18	ng		0.00
15) 2-Fluorobiphenyl	12.64	172	44332	1.45	ng		0.00
25) Fluoranthene-d10	18.81	212	293802	1.62	ng		0.00
29) Terphenyl-d14	19.43	244	57007	1.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	6291	1.490	ng	#	86
3) n-Nitrosodimethylamine	3.38	42	7314	1.643	ng	#	89
6) bis(2-Chloroethyl)ether	6.85	93	16039	1.592	ng		97
9) Naphthalene	10.20	128	194086	1.532	ng		99
10) Hexachlorobutadiene	10.50	225	8090	1.531	ng		96
12) 2-Methylnaphthalene	11.81	142	32855	1.546	ng		100
16) Acenaphthylene	13.74	152	55447	1.581	ng		100
17) Acenaphthene	14.08	154	35347	1.499	ng		95
18) Fluorene	15.08	166	42991	1.542	ng	#	80
20) 4-Bromophenyl-phenylether	15.98	248	14474	1.606	ng	#	81
21) Hexachlorobenzene	16.09	284	15981	1.510	ng	#	80
22) Pentachlorophenol	16.43	266	3395	2.064	ng	#	72
23) Phenanthrene	16.81	178	77129	1.535	ng		98
24) Anthracene	16.91	178	67641	1.640	ng		95
26) Fluoranthene	18.84	202	89027	1.674	ng		99
28) Pyrene	19.21	202	85186	1.453	ng		99
30) Benzo(a)anthracene	20.97	228	71615	1.655	ng		95
31) Chrysene	21.02	228	80537	1.478	ng		99
32) Bis(2-ethylhexyl)phthalate	20.93	149	59919	1.843	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	64620	1.580	ng		96
35) Benzo(b)fluoranthene	22.54	252	63884	1.777	ng	#	86
36) Benzo(k)fluoranthene	22.58	252	77308	1.808	ng		97
37) Benzo(a)pyrene	23.11	252	56765	1.819	ng	#	93
38) Dibenzo(a,h)anthracene	25.54	278	56336	1.881	ng		95
39) Benzo(g,h,i)perylene	26.20	276	57306	1.728	ng	#	92

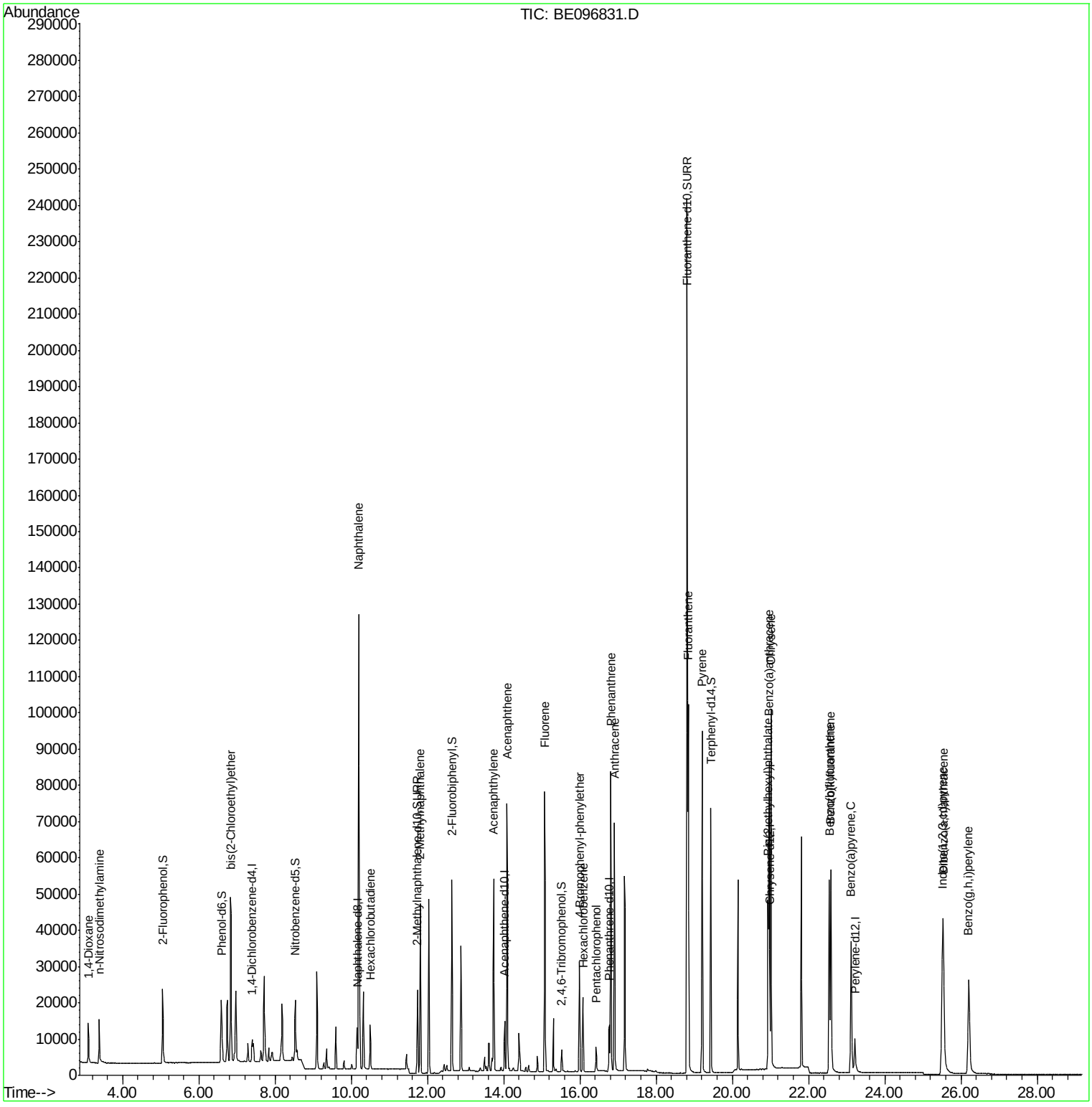
(#) = qualifier out of range (m) = manual integration (+) = signals summed

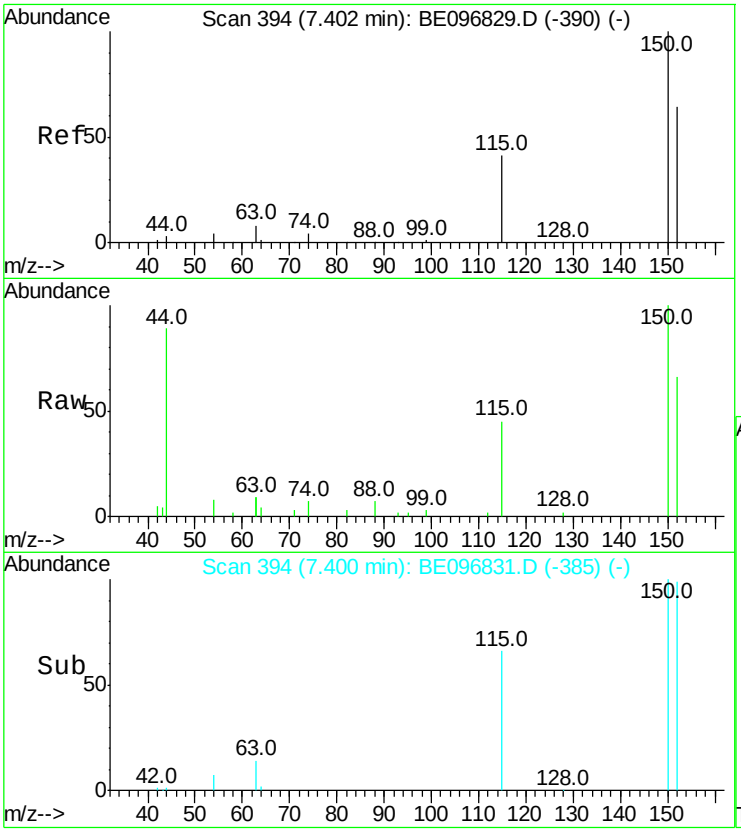
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
Data File : BE096831.D
Acq On : 20 Jun 2018 12:13
Operator : SJ/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Quant Time: Jun 20 12:54:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 11:46:39 2018
Response via : Initial Calibration



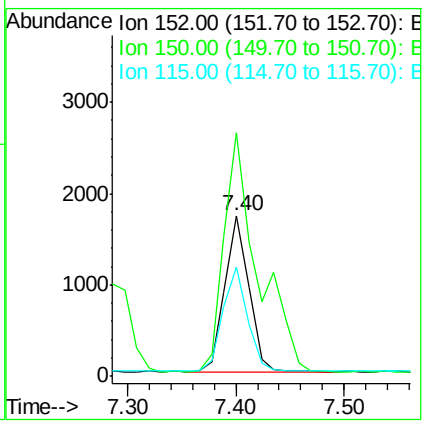


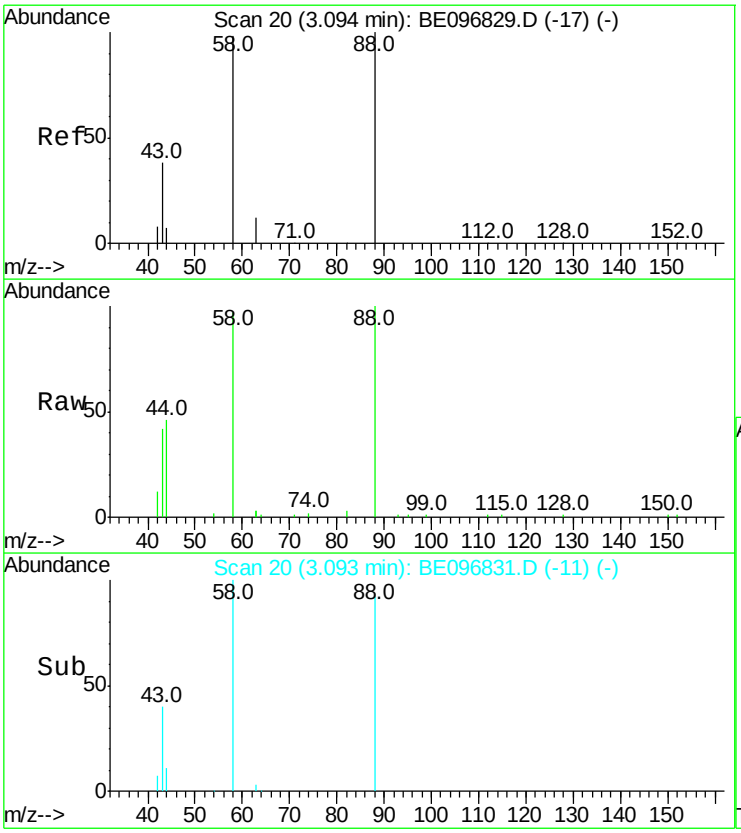
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 2608

Ion	Ratio	Lower	Upper
152	100		
150	151.5	117.2	175.8
115	68.4	57.0	85.6

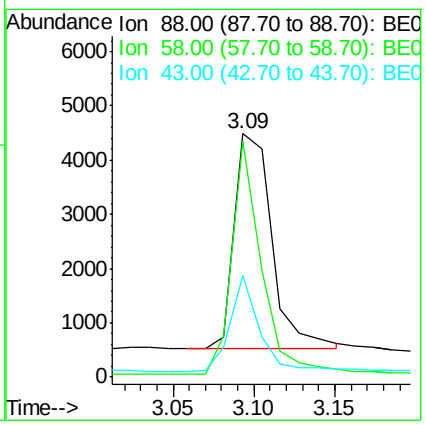


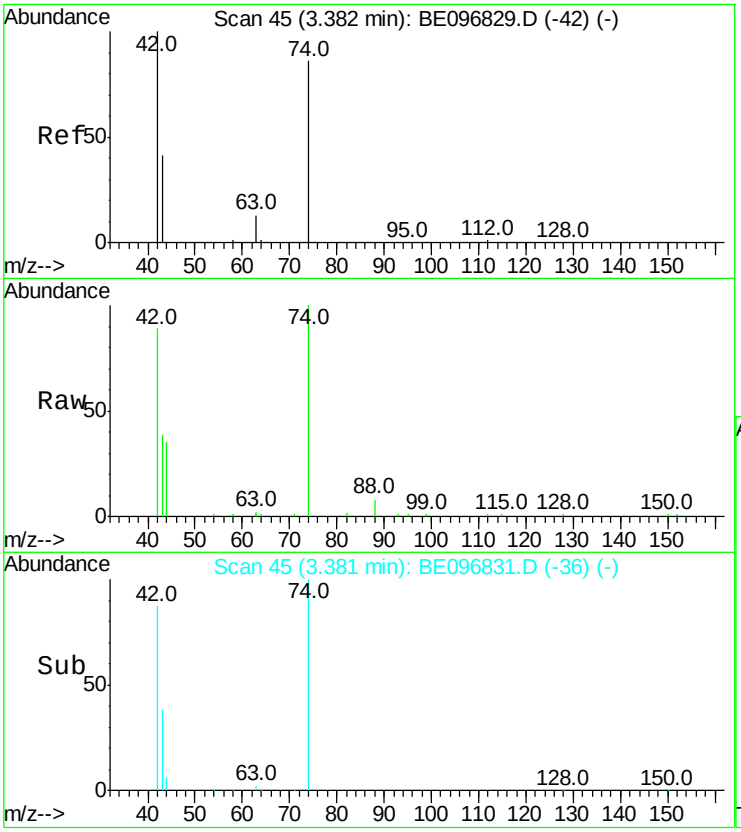


#2
1,4-Dioxane
Concen: 1.490 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion: 88 Resp: 6291

Ion	Ratio	Lower	Upper
88	100		
58	85.6	63.2	94.8
43	34.2	41.2	61.8#



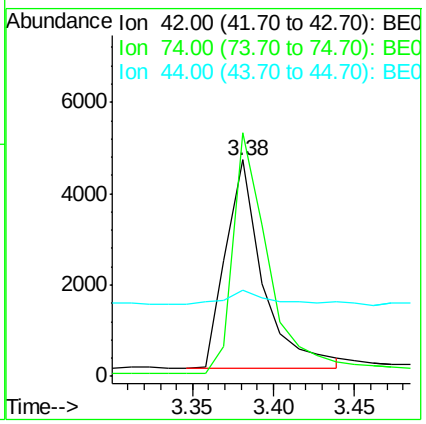


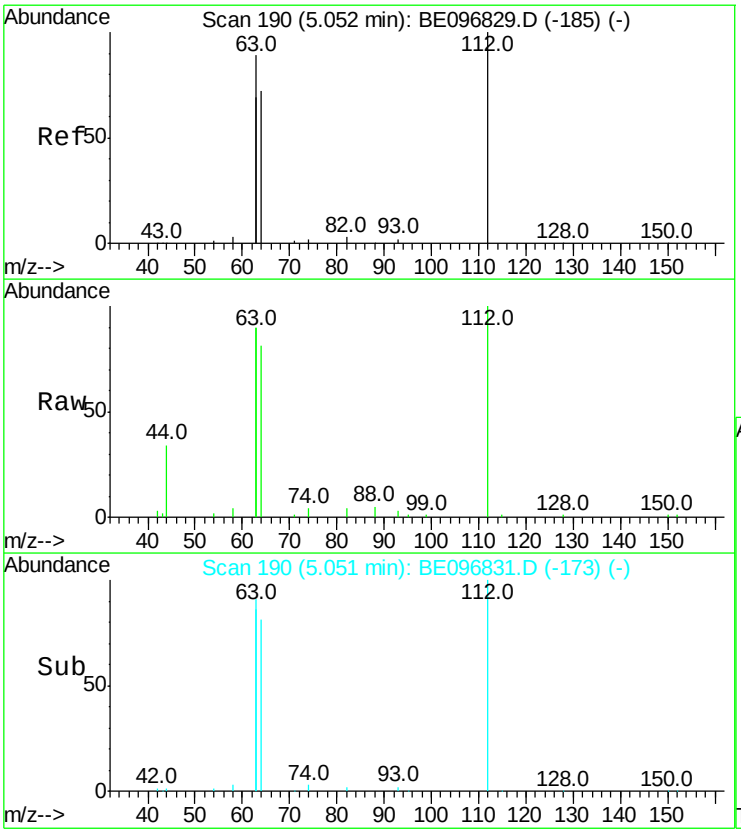
#3
n-Nitrosodimethylamine
Concen: 1.643 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 7314

Ion	Ratio	Lower	Upper
42	100		
74	108.9	96.0	144.0
44	7.8	12.0	18.0#

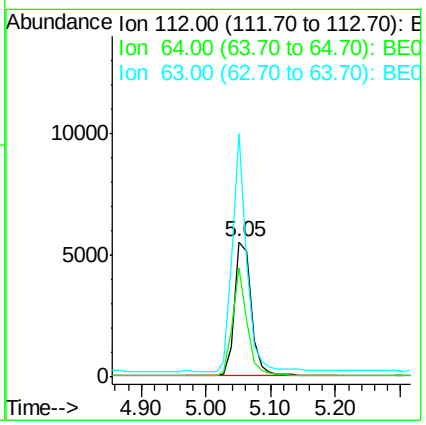


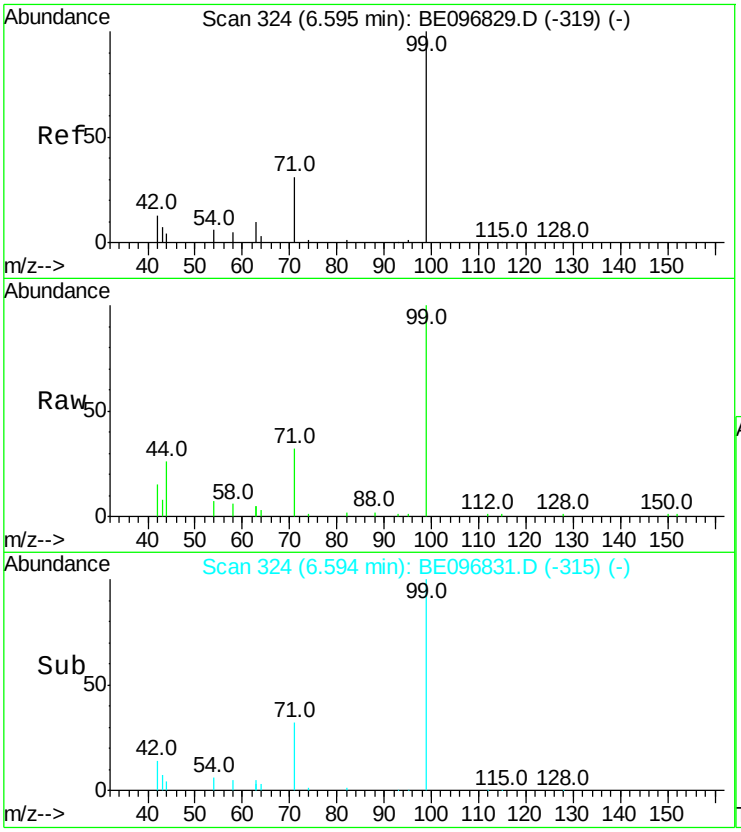


#4
2-Fluorophenol
Concen: 1.725 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:112 Resp: 9829

Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.1	90.1
63	149.7	116.8	175.2



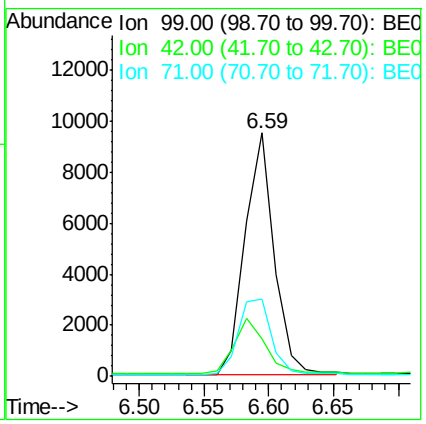


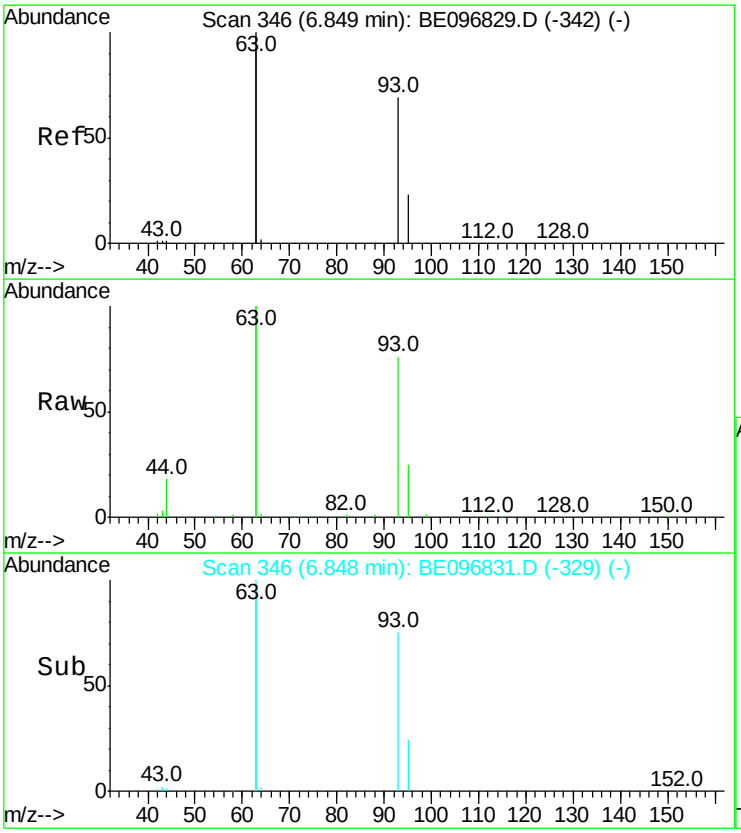
#5
Phenol-d6
Concen: 1.756 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 15004

Ion	Ratio	Lower	Upper
99	100		
42	23.9	20.2	30.2
71	36.2	28.4	42.6

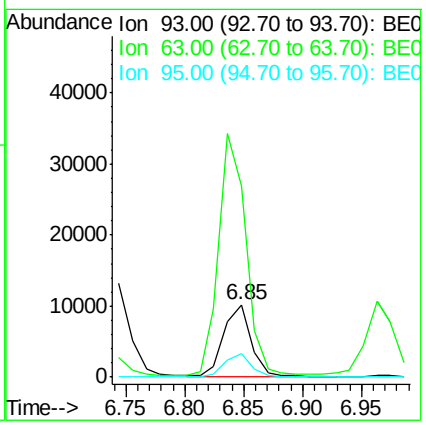


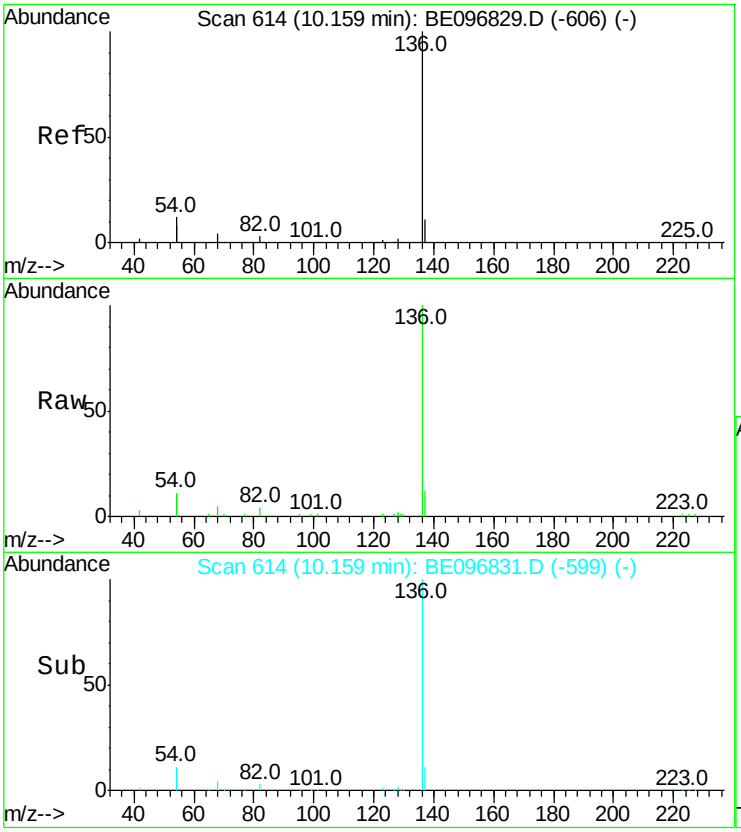


#6
bis(2-Chloroethyl)ether
Concen: 1.592 ng
RT: 6.85 min Scan# 346
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion: 93 Resp: 16039

Ion	Ratio	Lower	Upper
93	100		
63	336.1	275.3	412.9
95	31.8	25.2	37.8



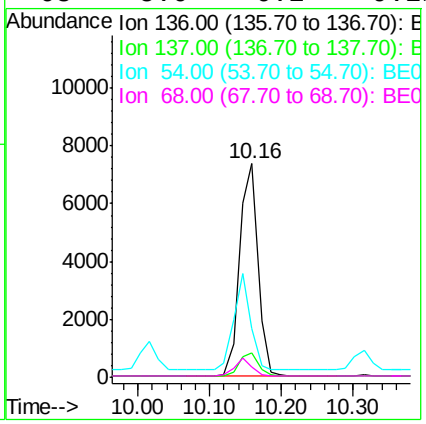


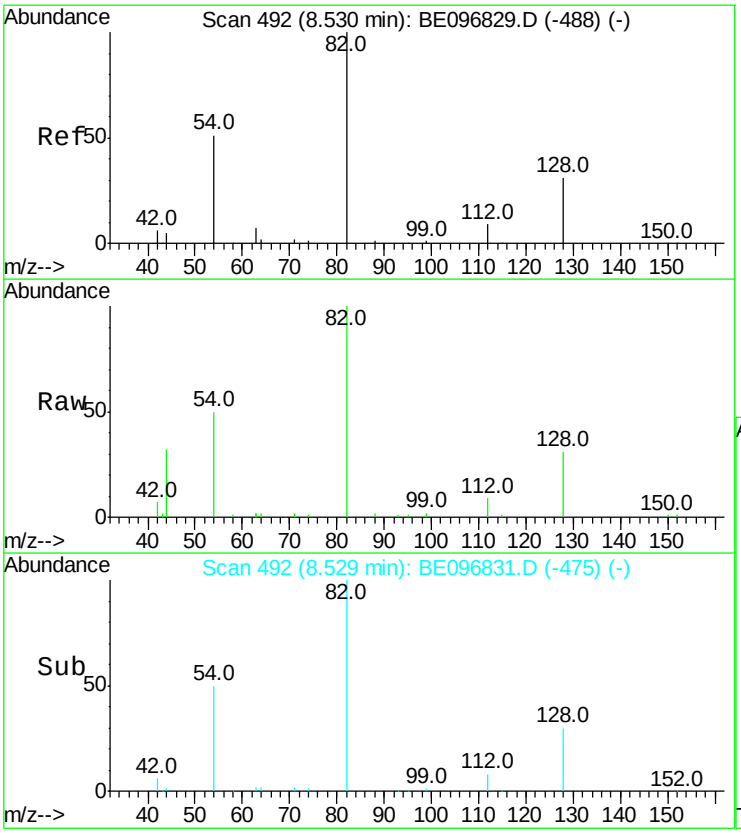
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 12895

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	22.6	29.1	43.7#
68	5.0	6.2	9.2#

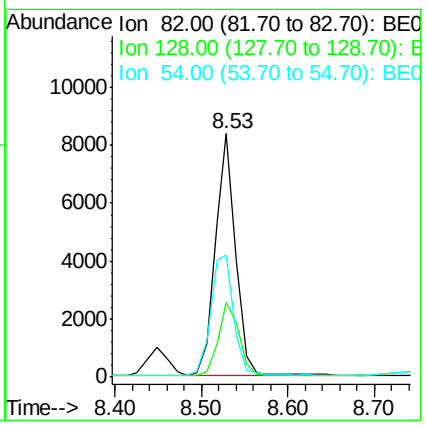


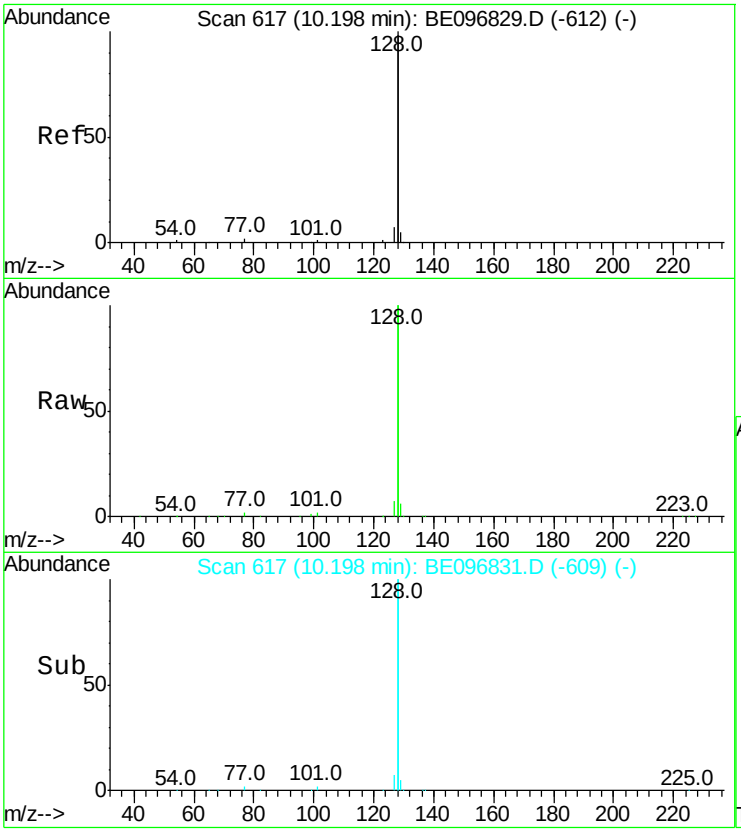


#8
Nitrobenzene-d5
Concen: 1.883 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion: 82 Resp: 13506

Ion	Ratio	Lower	Upper
82	100		
128	30.8	24.0	36.0
54	50.1	40.0	60.0



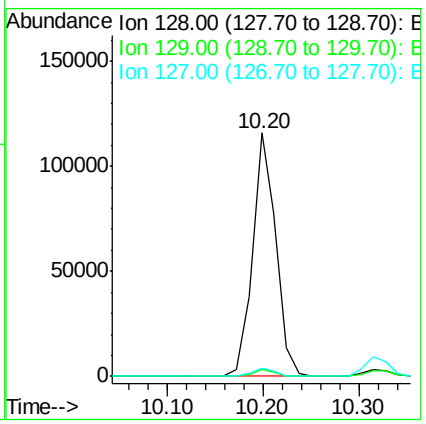


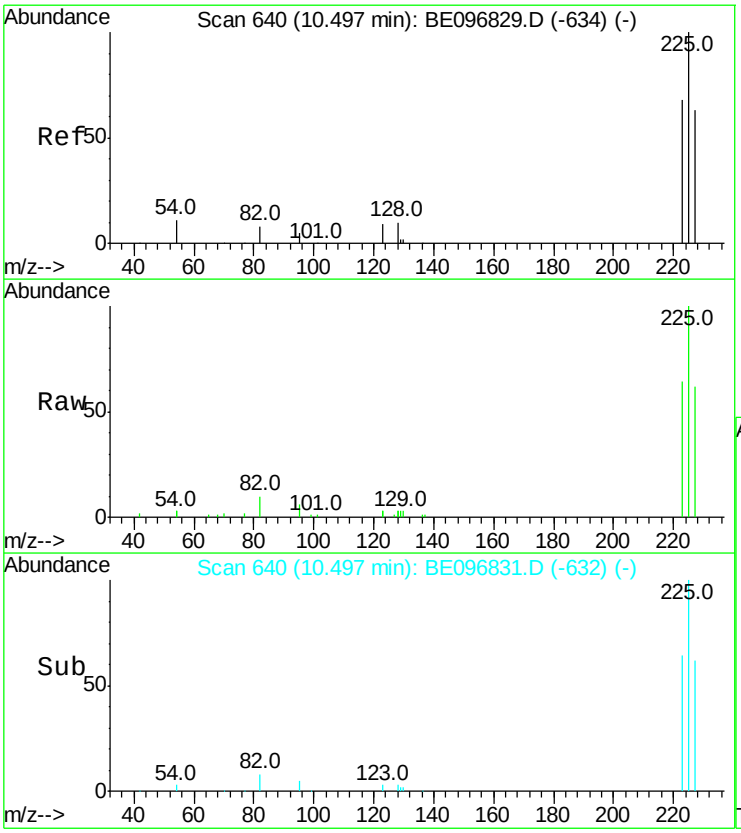
#9
Naphthalene
Concen: 1.532 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 194086

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

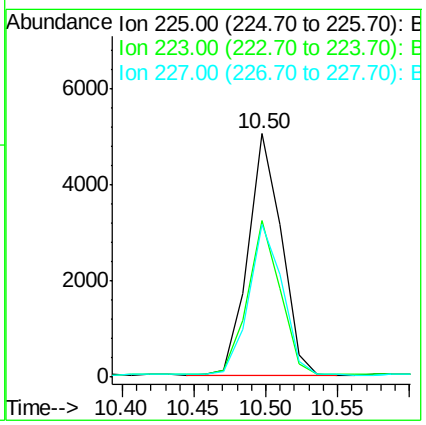


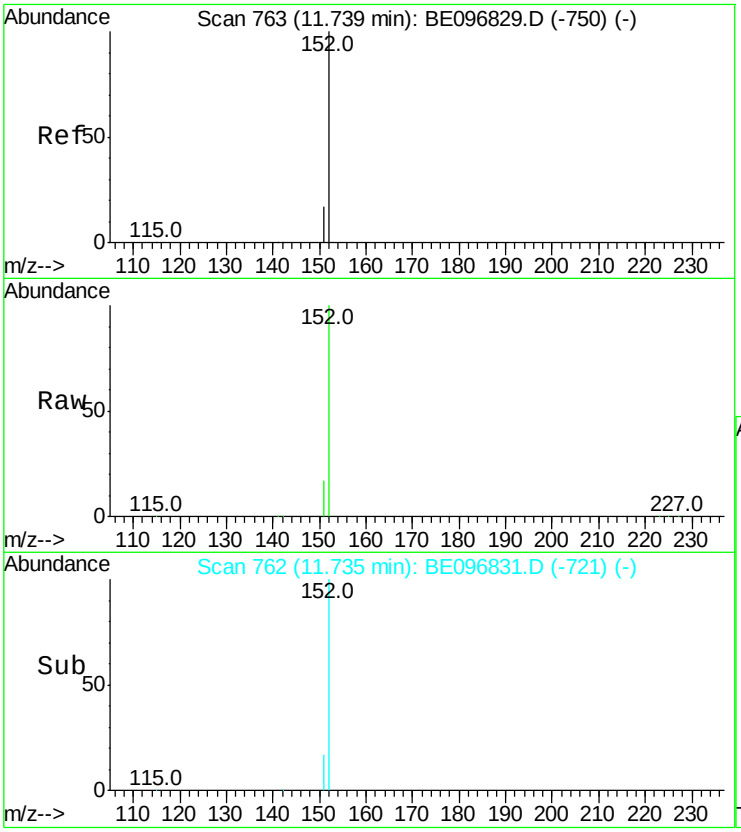


#10
Hexachlorobutadiene
Concen: 1.531 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:225 Resp: 8090

Ion	Ratio	Lower	Upper
225	100		
223	62.4	53.0	79.6
227	62.7	51.4	77.2



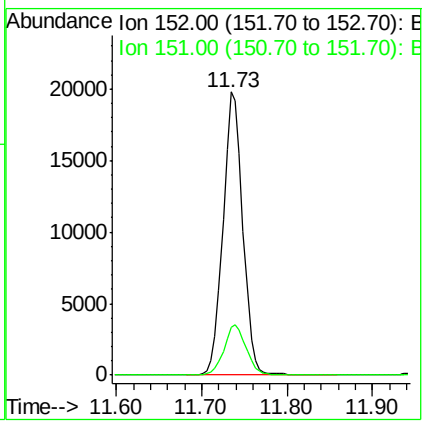


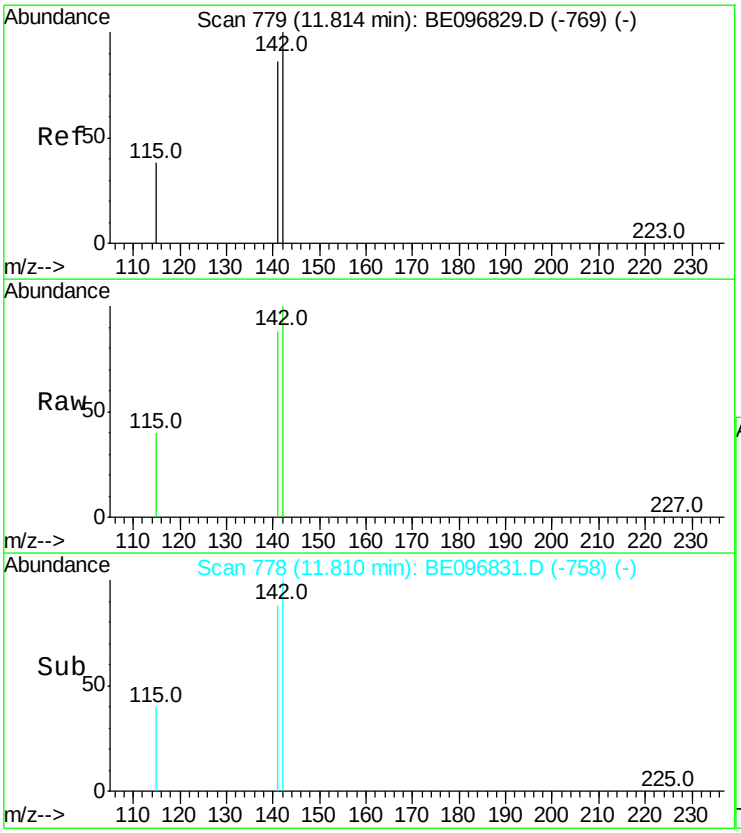
#11
2-Methylnaphthalene-d10
Concen: 1.524 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 31391

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

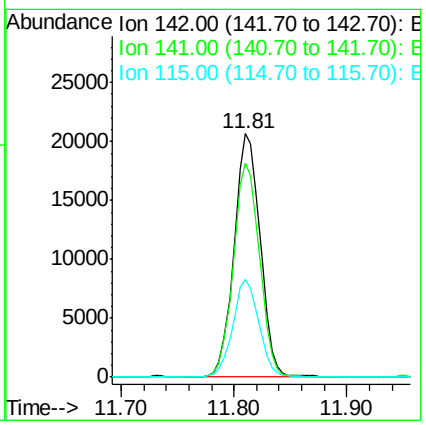


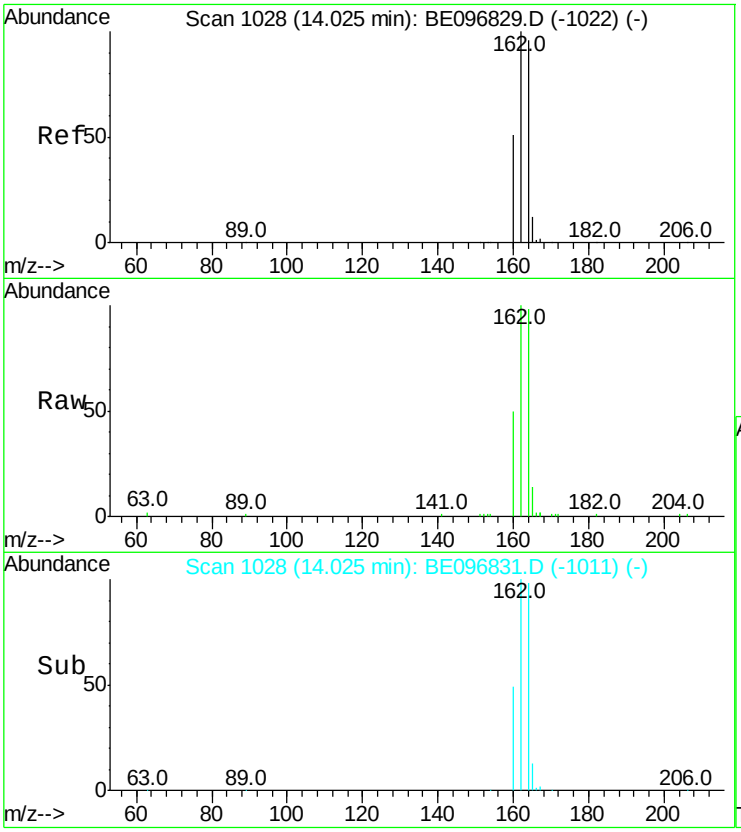


#12
2-Methylnaphthalene
Concen: 1.546 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:142 Resp: 32855

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	40.0	31.7	47.5



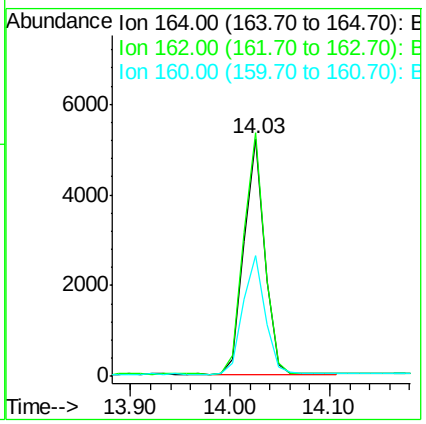


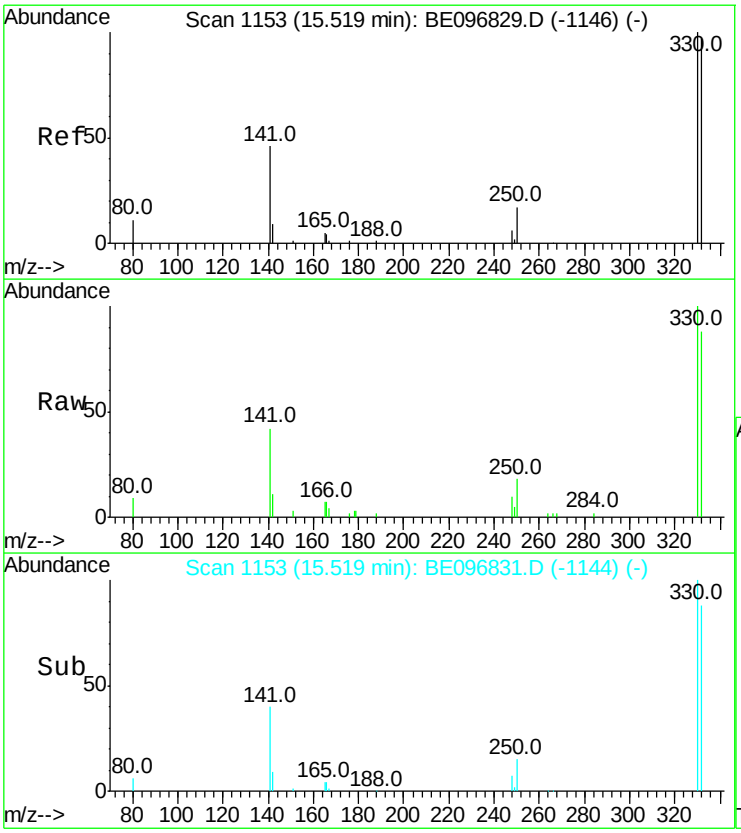
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 7437

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.1	124.7
160	51.0	37.1	55.7

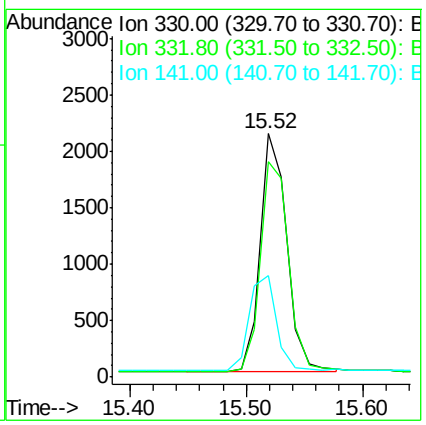


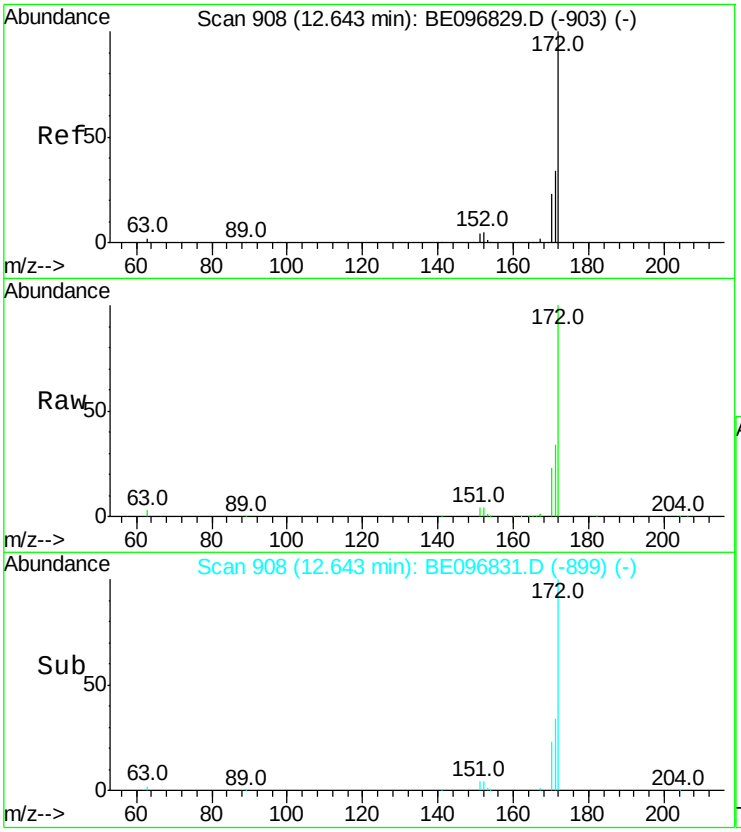


#14
2,4,6-Tribromophenol
Concen: 2.181 ng
RT: 15.52 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:330 Resp: 3353

Ion	Ratio	Lower	Upper
330	100		
332	94.0	152.7	229.1#
141	41.6	33.7	50.5



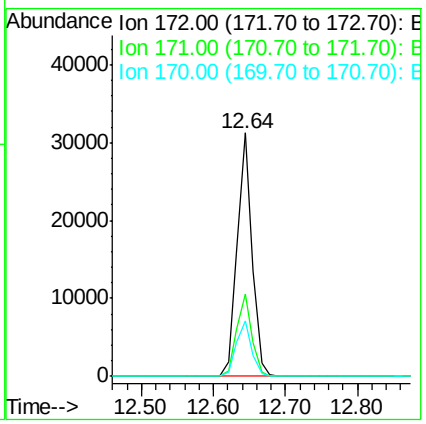


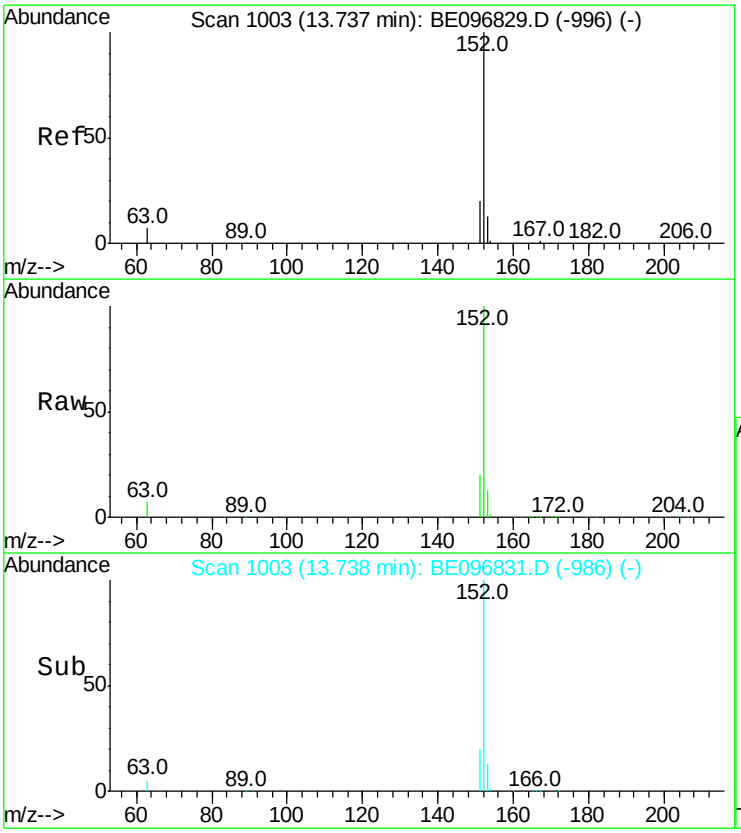
#15
2-Fluorobiphenyl
Concen: 1.449 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 44332

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

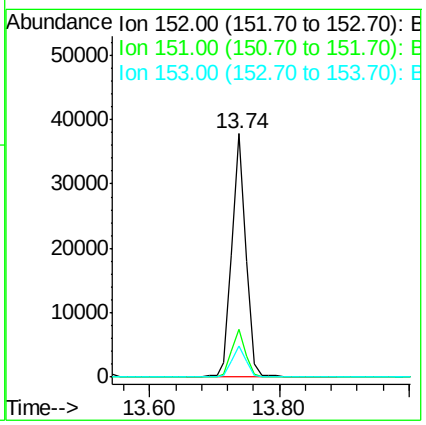


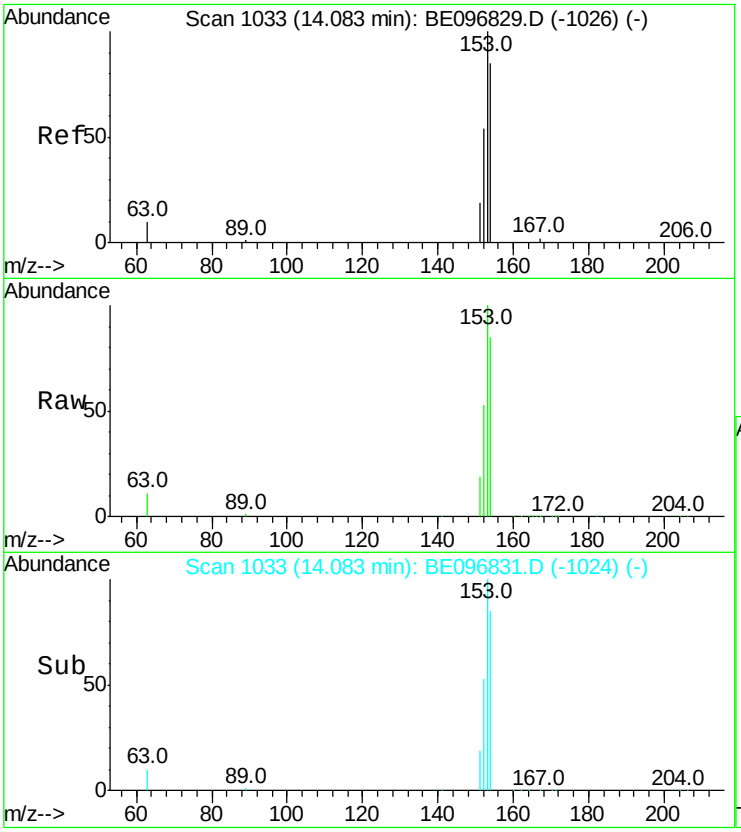


#16
Acenaphthylene
Concen: 1.581 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:152 Resp: 55447

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



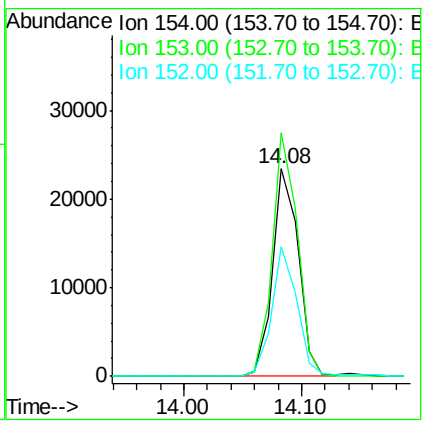


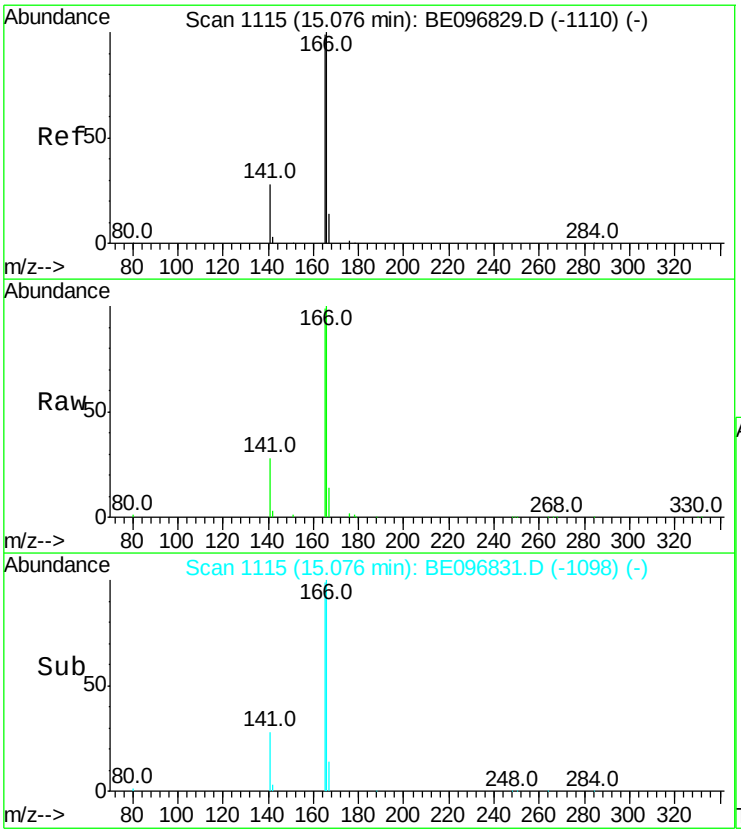
#17
Acenaphthene
Concen: 1.499 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 35347

Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.2	133.8
152	60.3	42.0	63.0

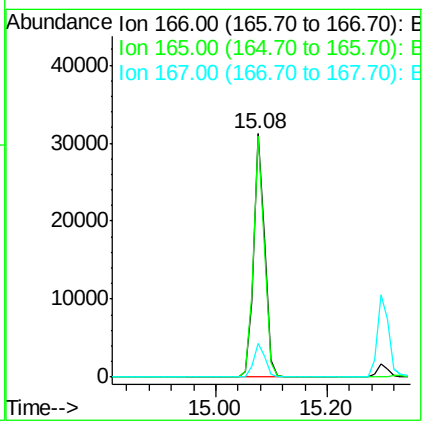


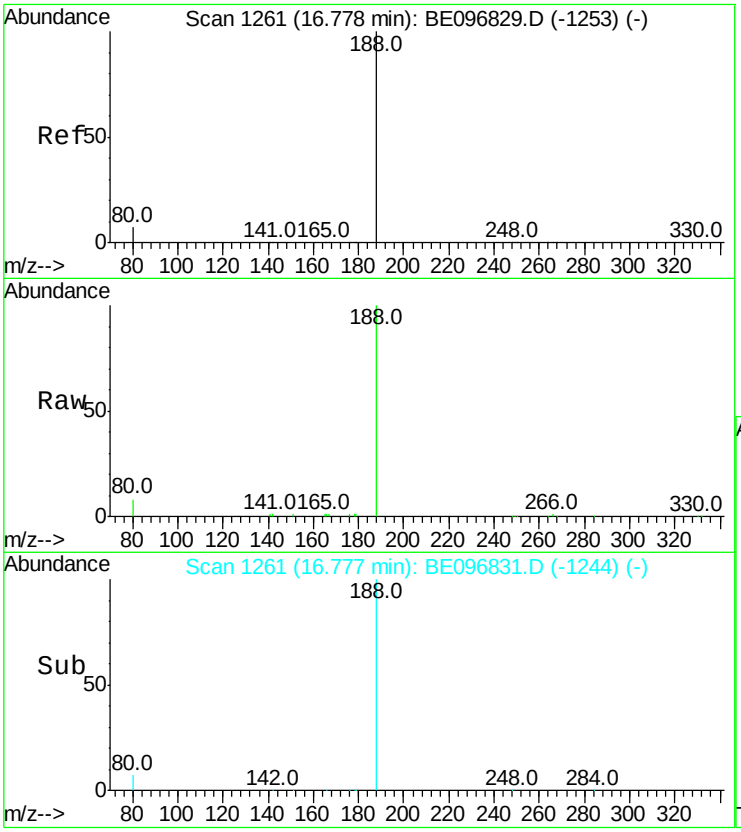


#18
Fluorene
Concen: 1.542 ng
RT: 15.08 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:166 Resp: 42991

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.8	116.6
167	14.2	42.4	63.6#



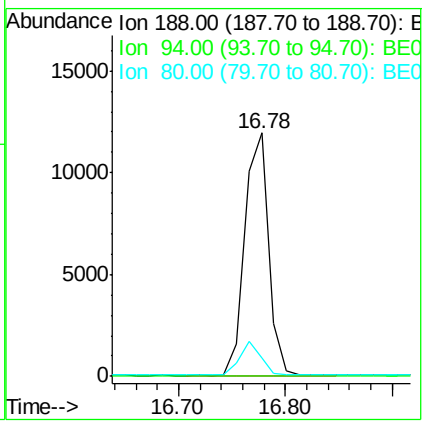


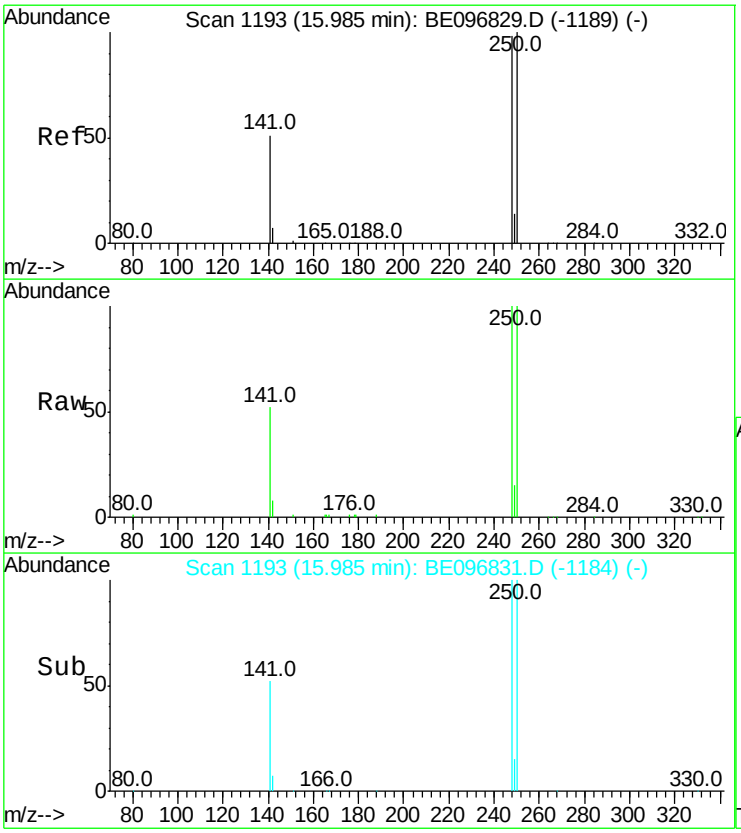
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 18485

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.6	3.6	5.4#

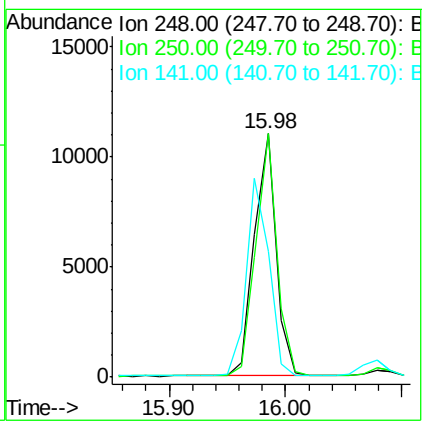


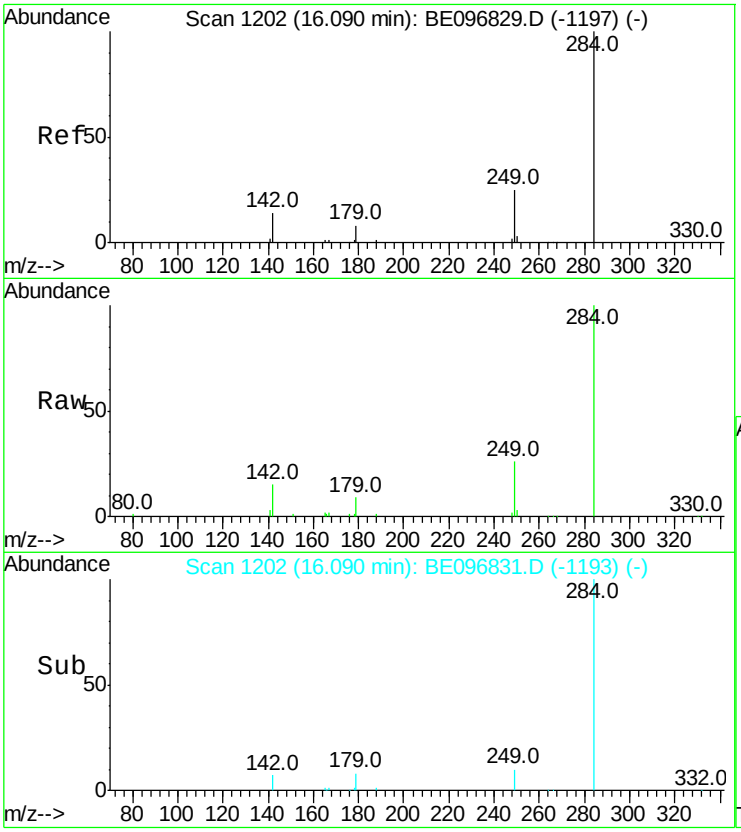


#20
4-Bromophenyl-phenylether
Concen: 1.606 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:248 Resp: 14474

Ion	Ratio	Lower	Upper
248	100		
250	100.0	62.7	94.1#
141	51.8	48.2	72.2



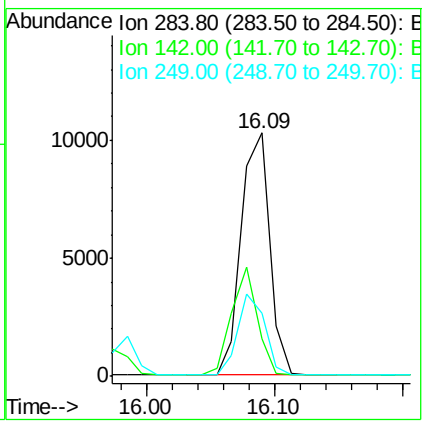


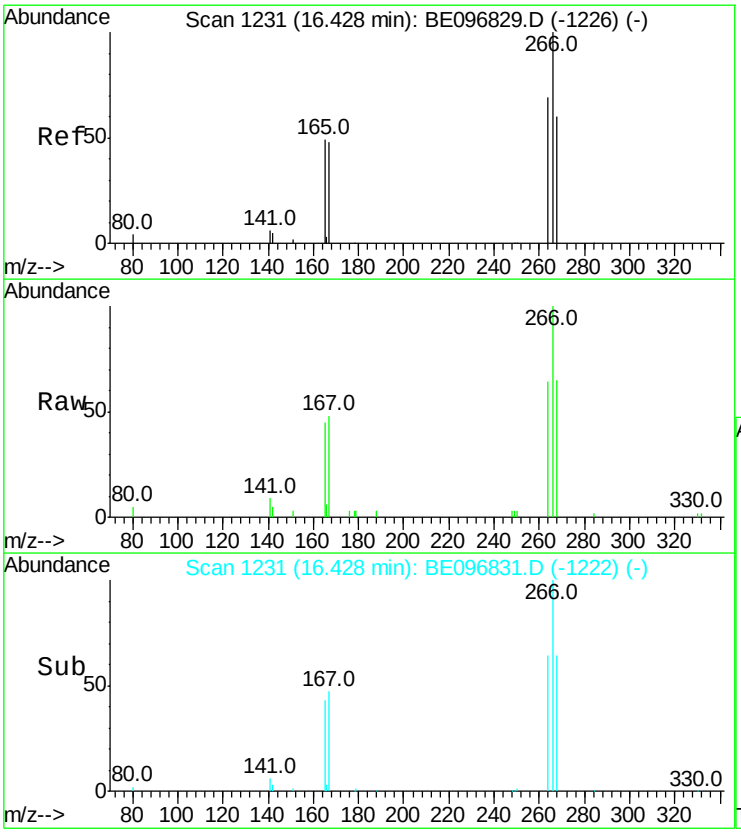
#21
Hexachlorobenzene
Concen: 1.510 ng
RT: 16.09 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:284 Resp: 15981

Ion	Ratio	Lower	Upper
284	100		
142	40.0	22.1	33.1#
249	32.1	34.8	52.2#

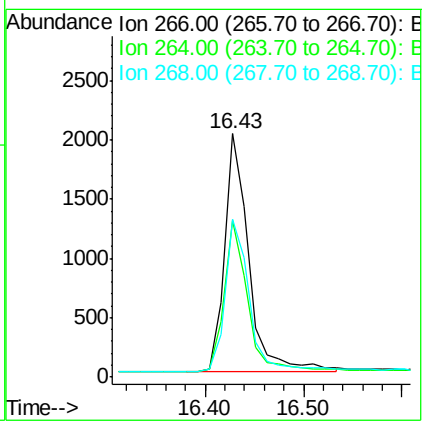


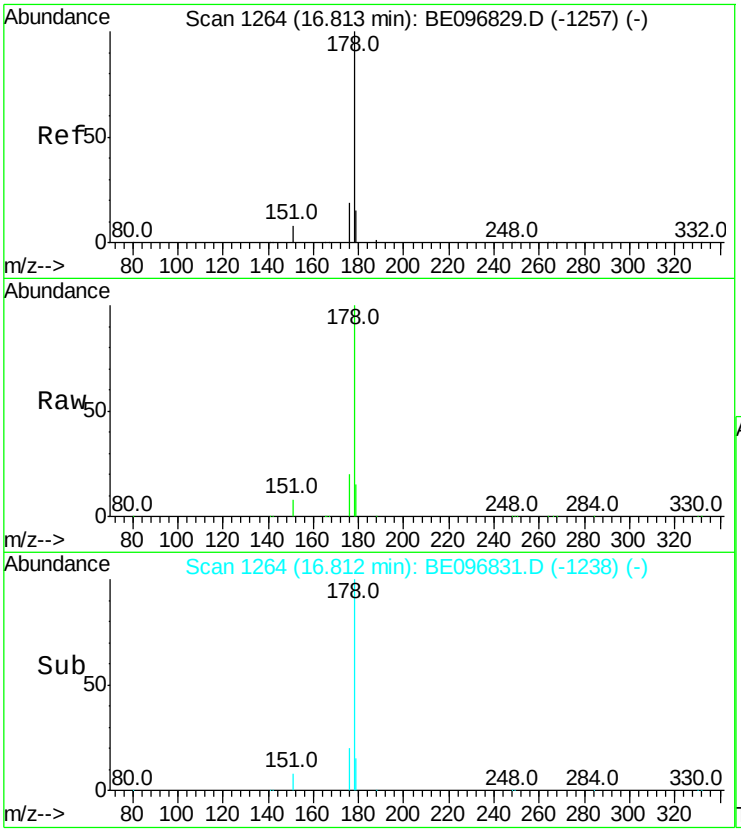


#22
Pentachlorophenol
Concen: 2.064 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:266 Resp: 3395

Ion	Ratio	Lower	Upper
266	100		
264	64.5	72.5	108.7#
268	64.9	73.8	110.6#



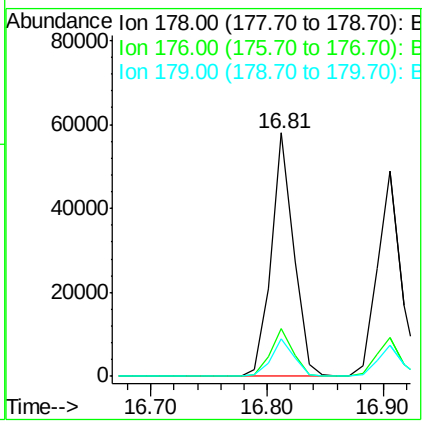


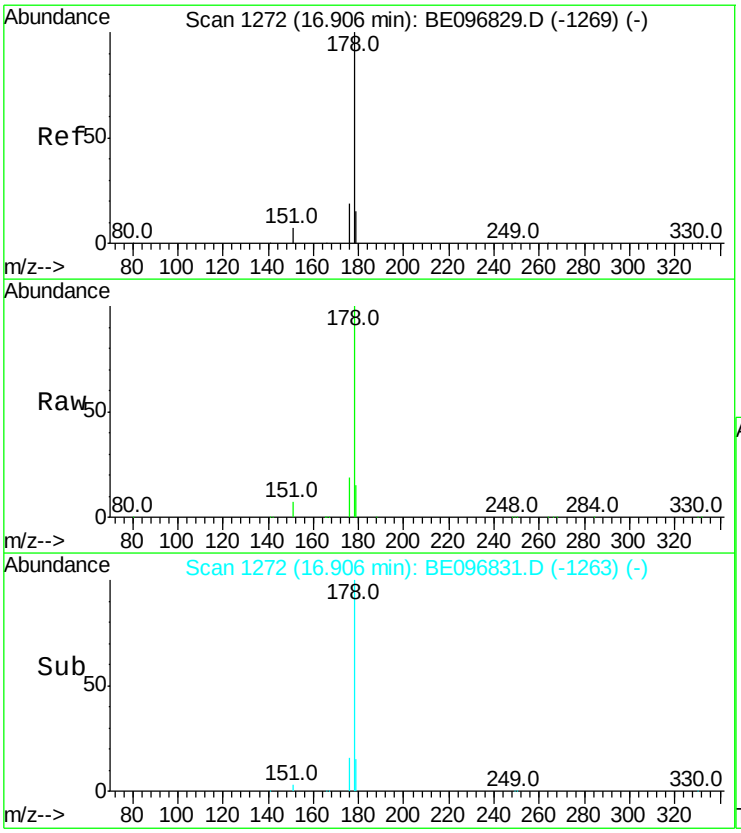
#23
Phenanthrene
Concen: 1.535 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 77129

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.5	11.8	17.6

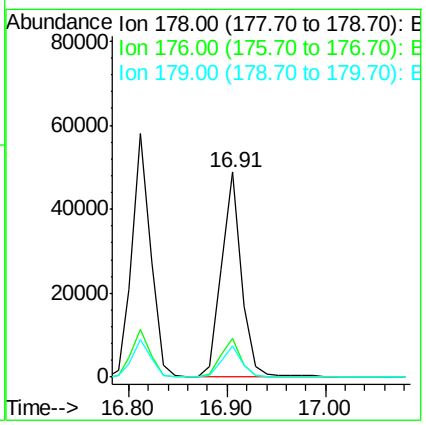


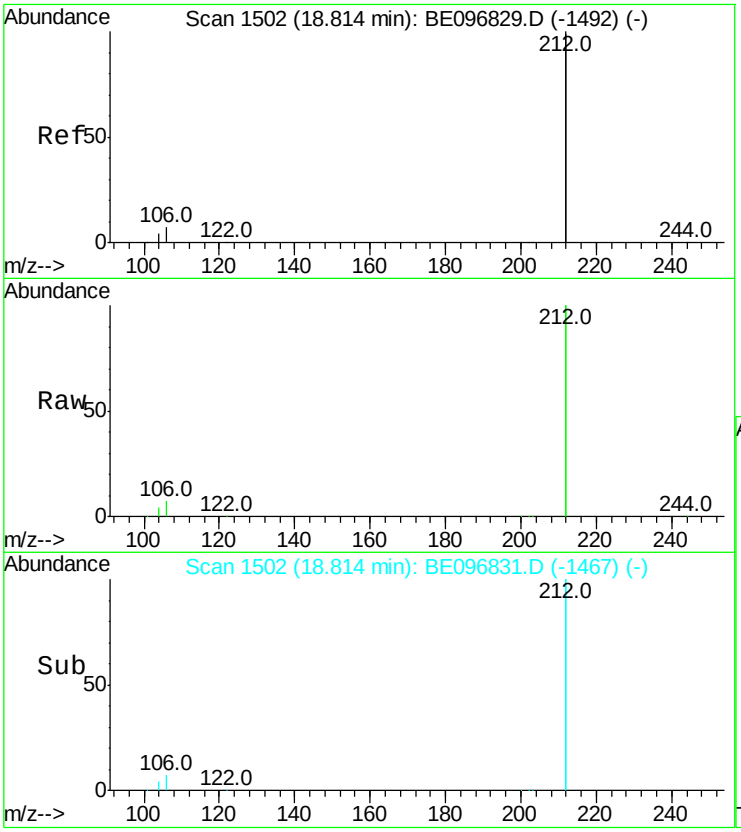


#24
Anthracene
Concen: 1.640 ng
RT: 16.91 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:178 Resp: 67641

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



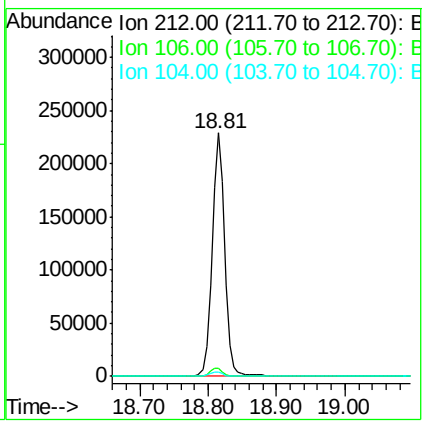


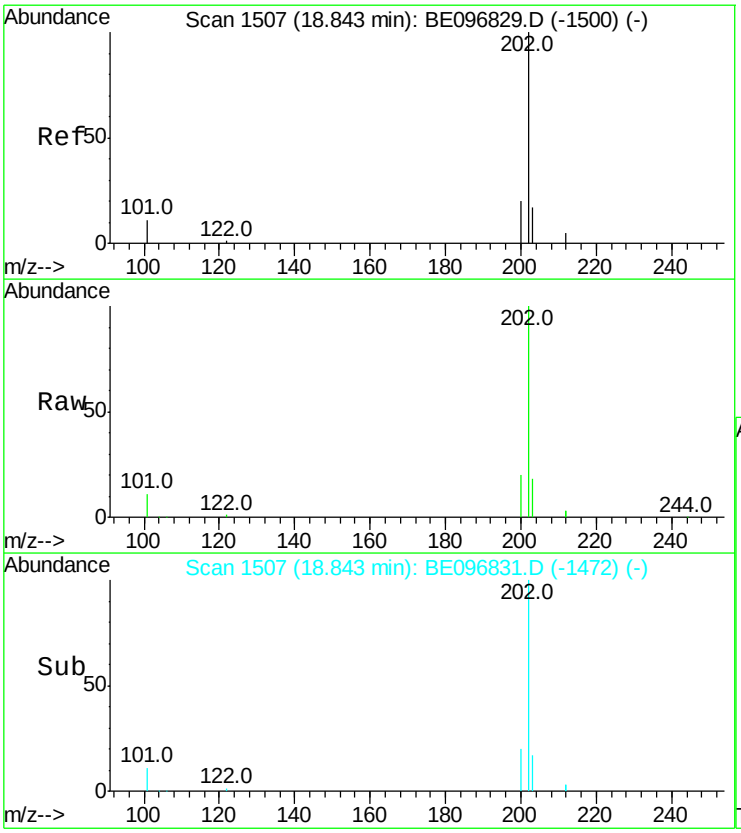
#25
Fluoranthene-d10
Concen: 1.624 ng
RT: 18.81 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 293802

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

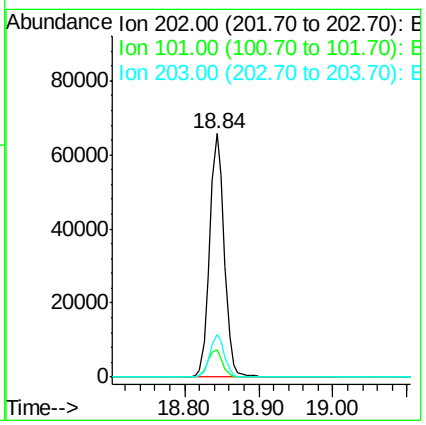


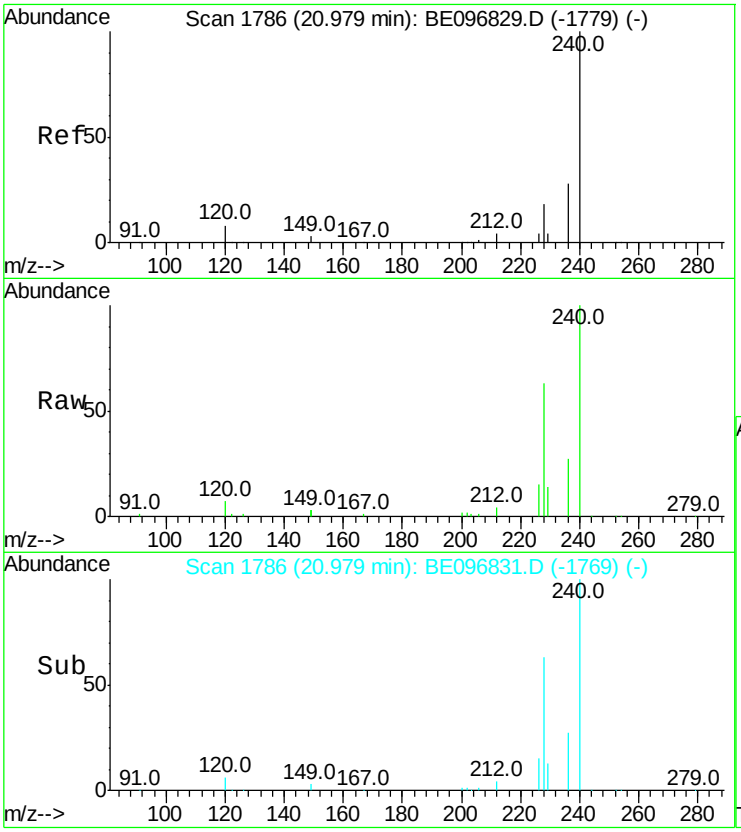


#26
Fluoranthene
Concen: 1.674 ng
RT: 18.84 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:202 Resp: 89027

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.8
203	17.4	13.7	20.5



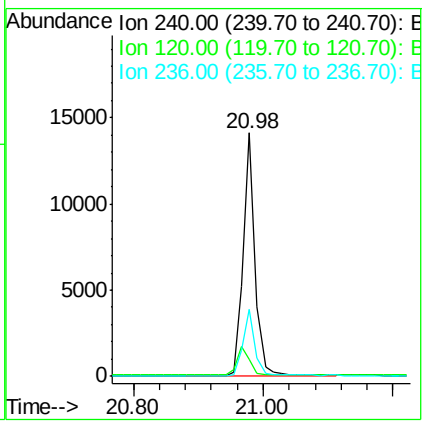


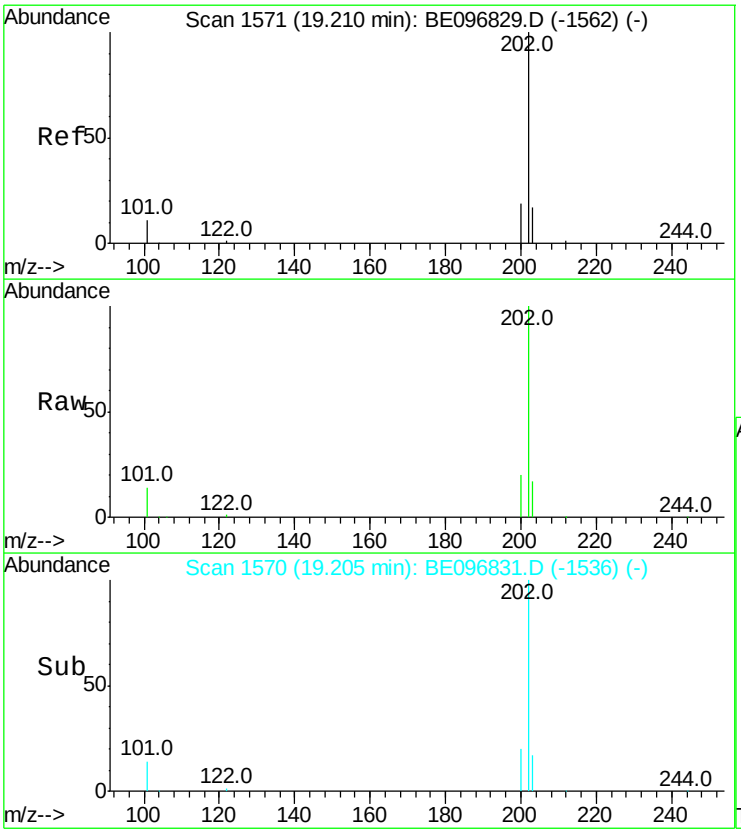
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 17848

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.5	8.3
236	27.4	20.7	31.1

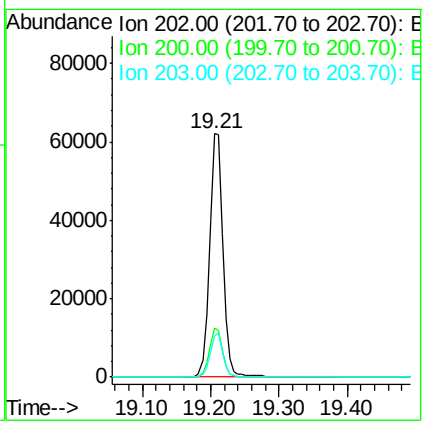


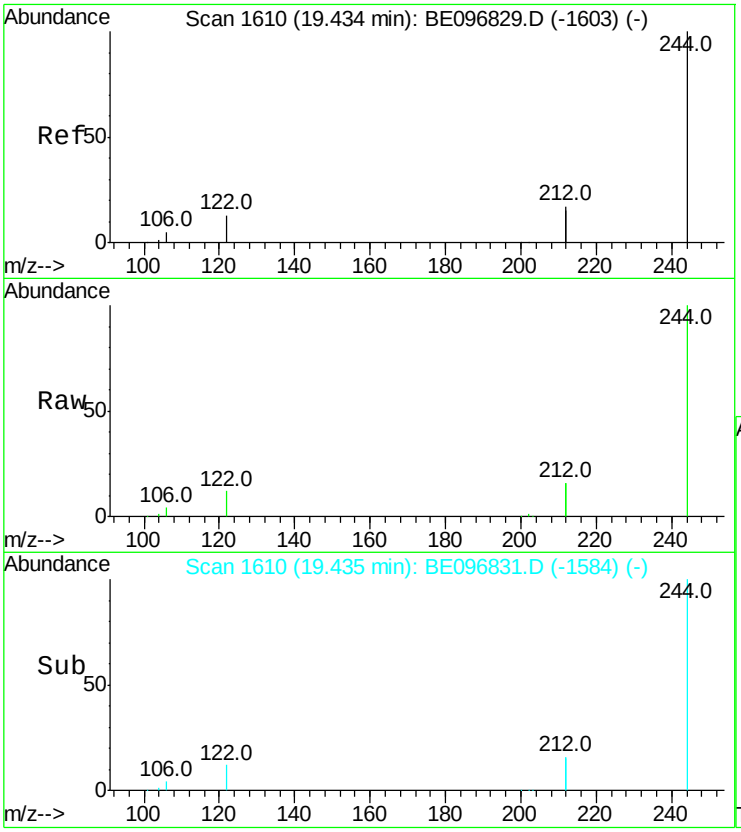


#28
Pyrene
Concen: 1.453 ng
RT: 19.21 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:202 Resp: 85186

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.6	25.0
203	17.4	13.8	20.8



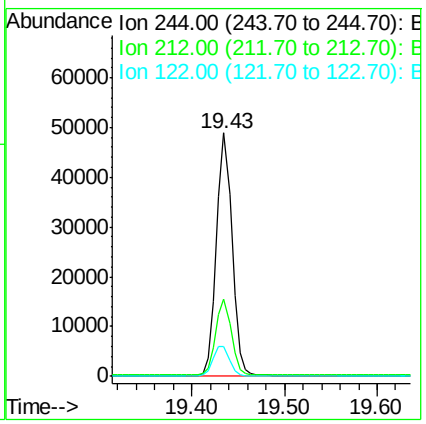


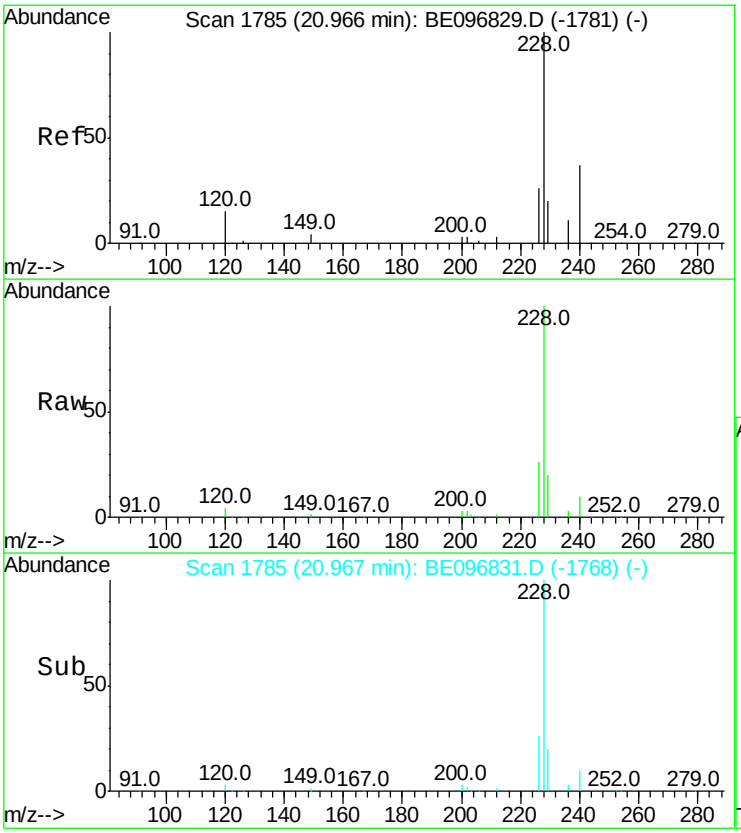
#29
Terphenyl-d14
Concen: 1.409 ng
RT: 19.43 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 57007

Ion	Ratio	Lower	Upper
244	100		
212	31.9	25.4	38.0
122	12.5	8.1	12.1#

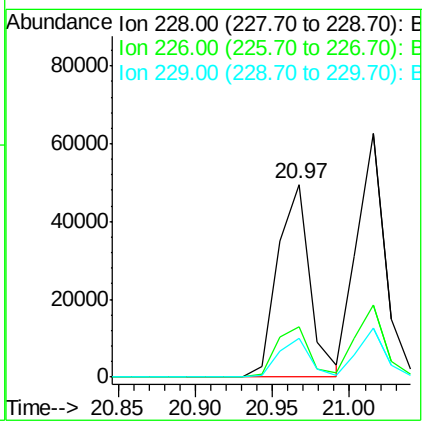


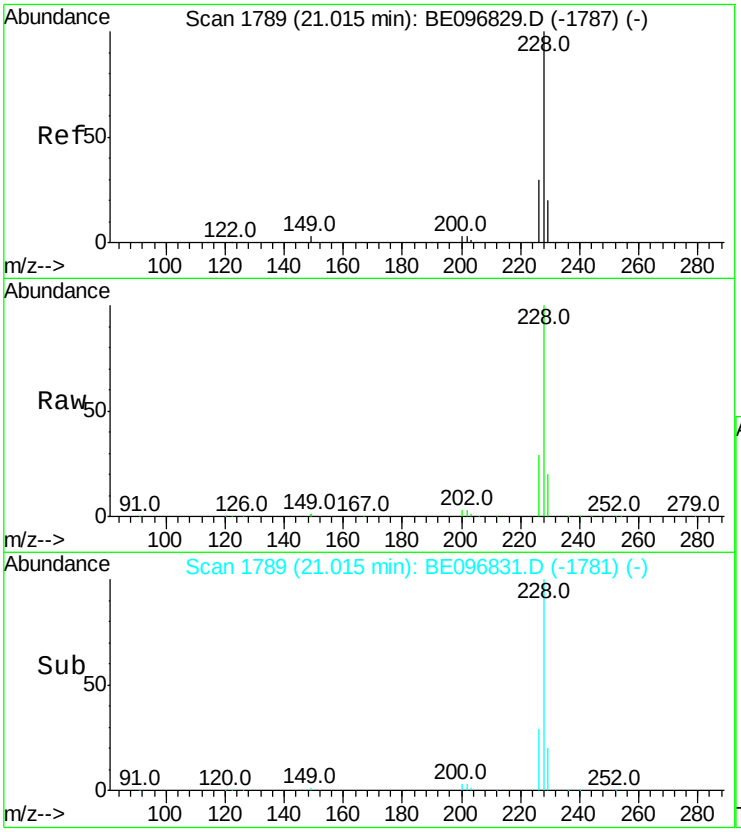


#30
Benzo(a)anthracene
Concen: 1.655 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:228 Resp: 71615

Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.0	36.0
229	20.4	16.0	24.0



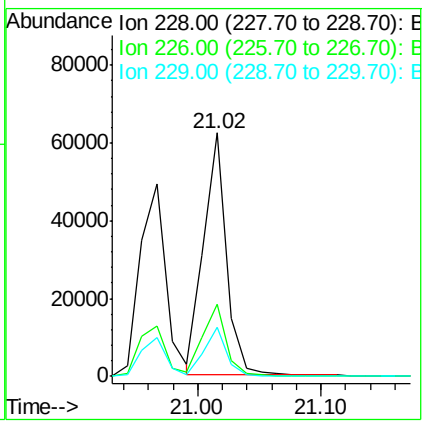


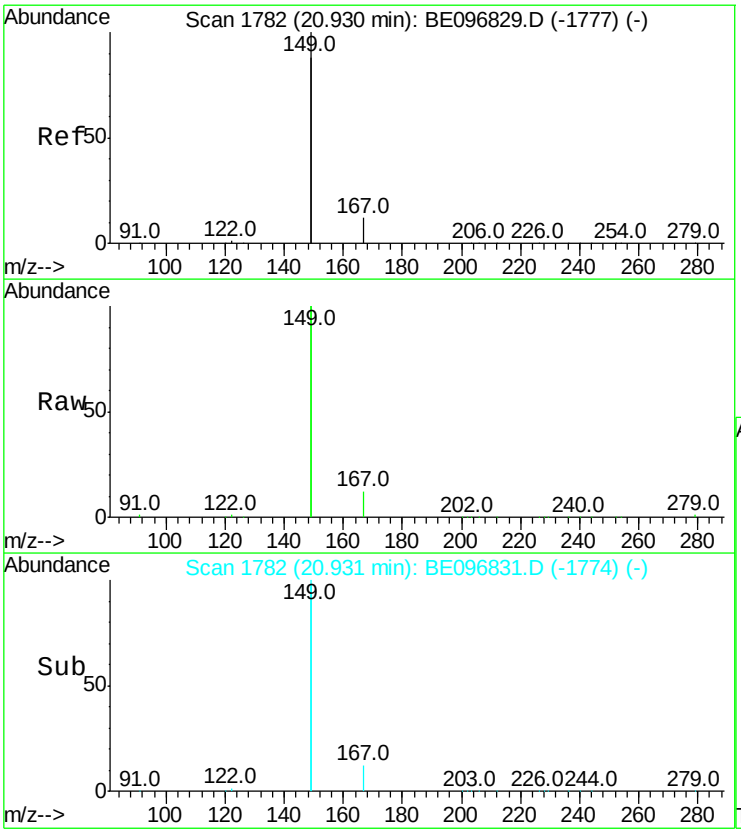
#31
Chrysene
Concen: 1.478 ng
RT: 21.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 80537

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	20.1	16.0	24.0

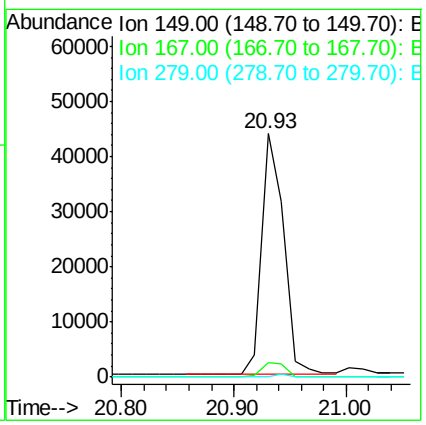


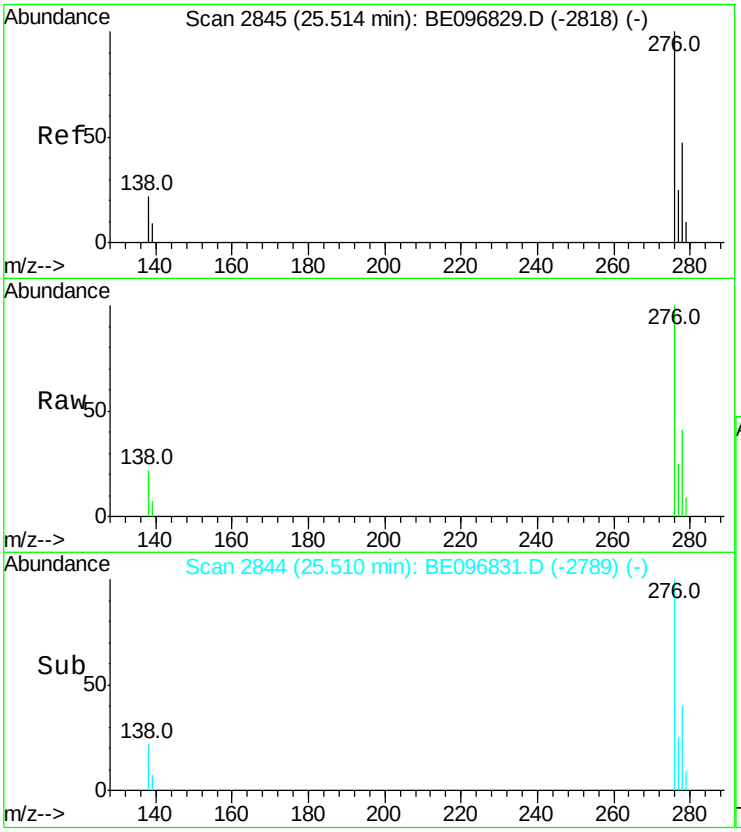


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.843 ng
RT: 20.93 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:149 Resp: 59919

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



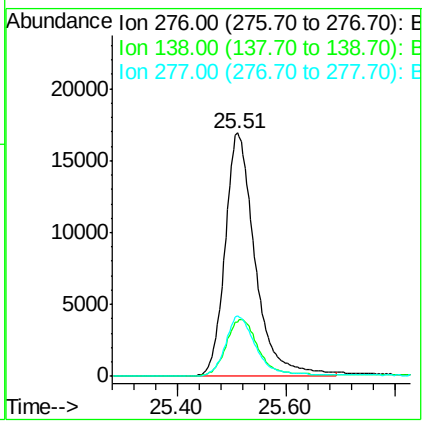


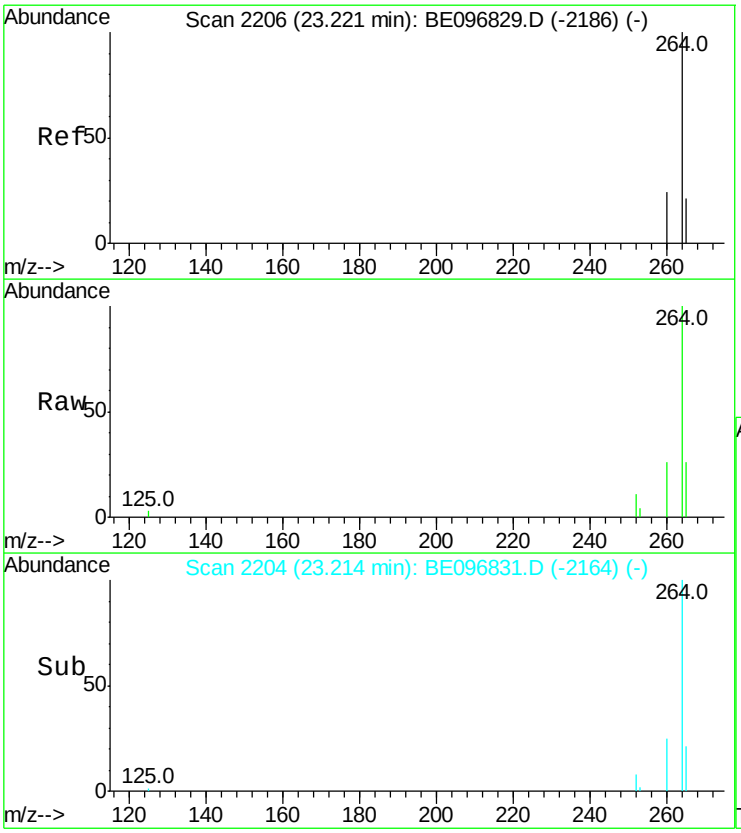
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.580 ng
RT: 25.51 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 64620

Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.5	33.7
277	25.0	19.9	29.9

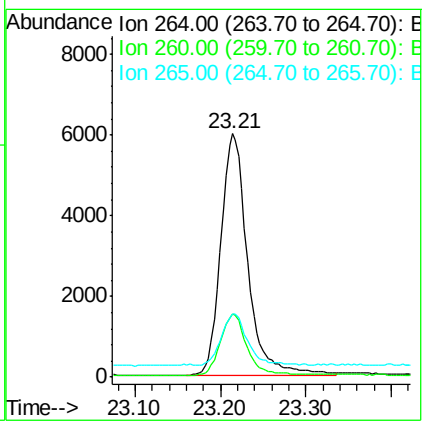


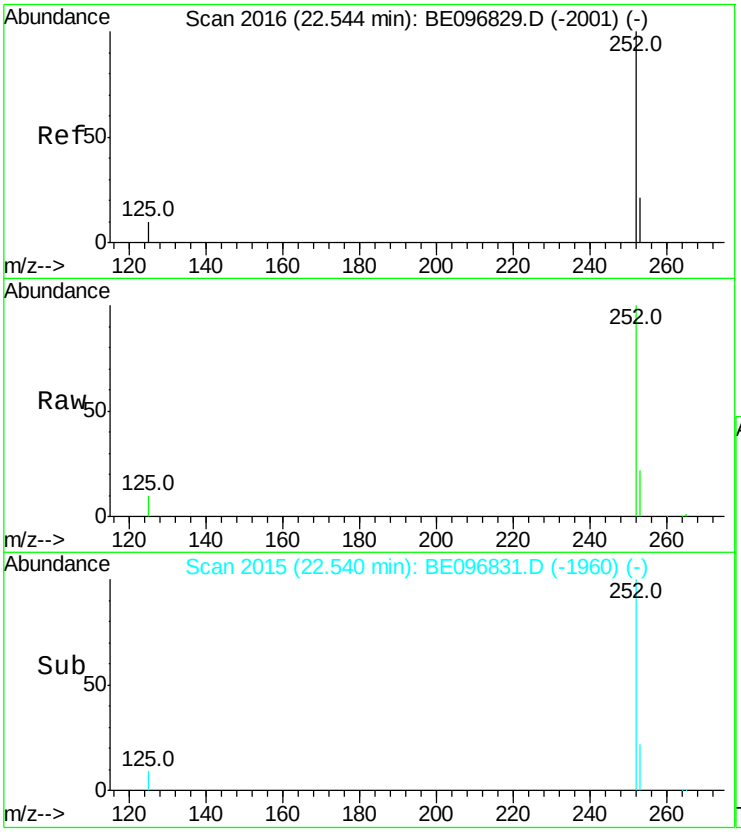


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:264 Resp: 13081

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	25.9	22.8	34.2



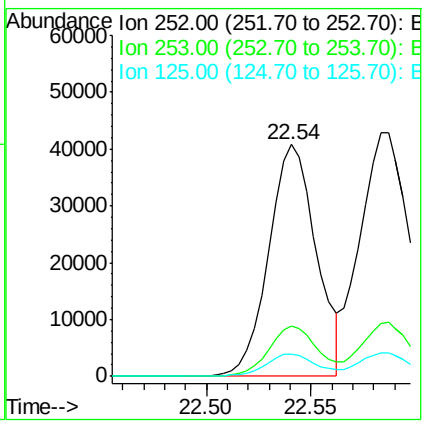


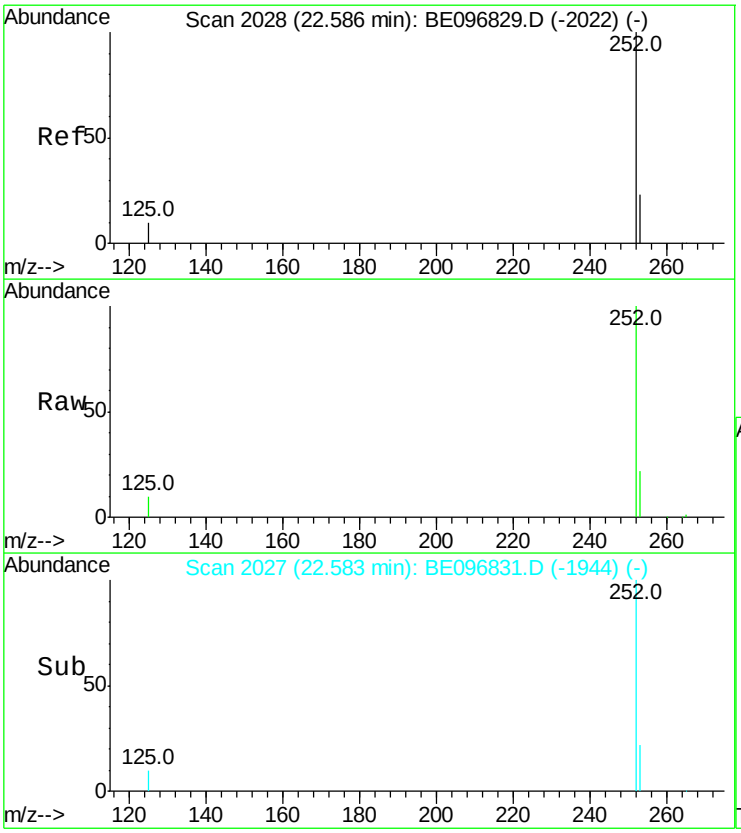
#35
Benzo(b)fluoranthene
Concen: 1.777 ng
RT: 22.54 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 63884

Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.0	30.0
125	9.7	16.0	24.0#

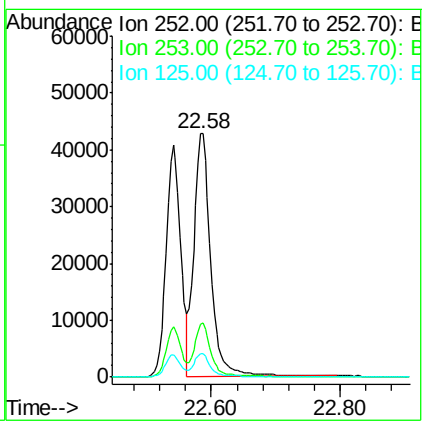


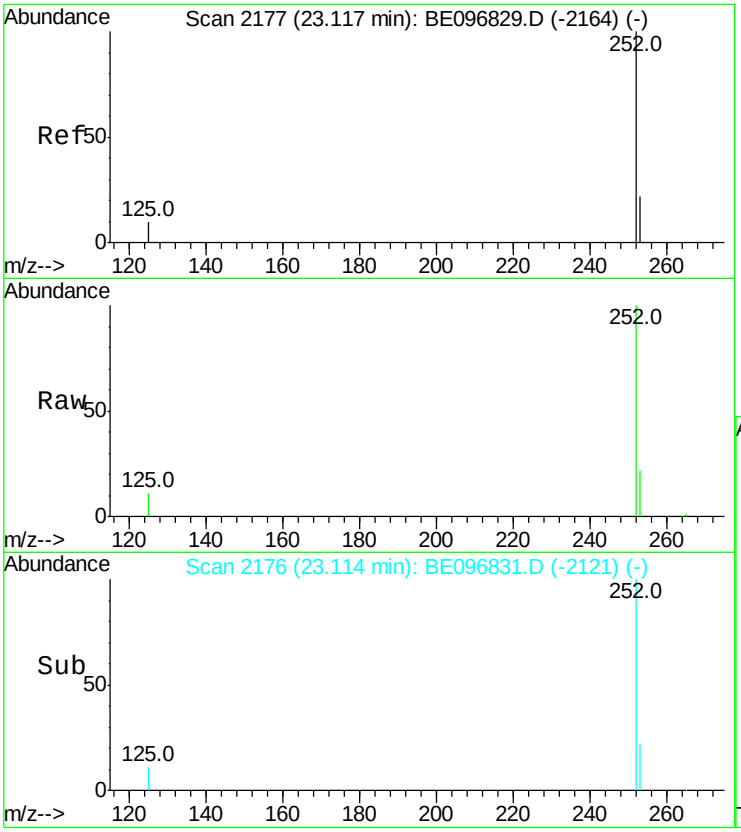


#36
Benzo(k)fluoranthene
Concen: 1.808 ng
RT: 22.58 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:252 Resp: 77308

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.0	24.0
125	9.8	8.0	12.0



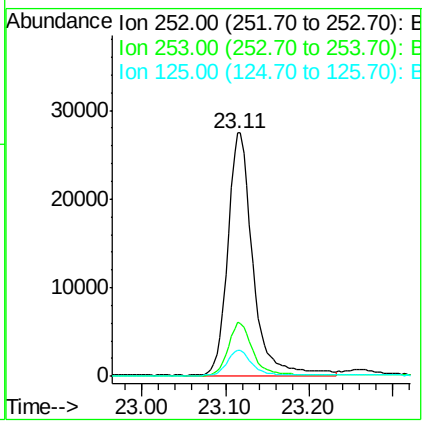


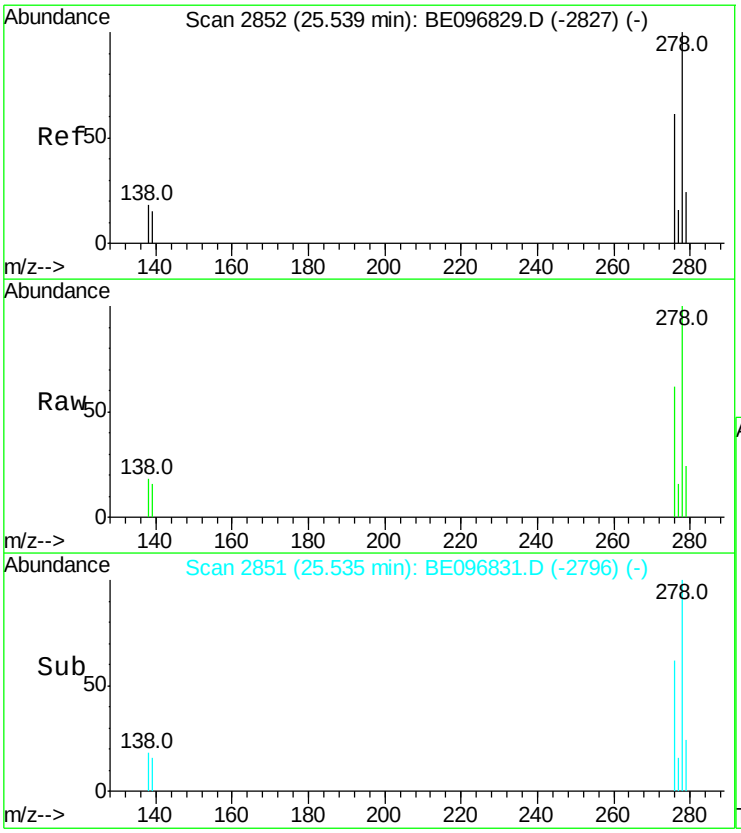
#37
Benzo(a)pyrene
Concen: 1.819 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 56765

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.0	24.0
125	10.9	12.0	18.0#

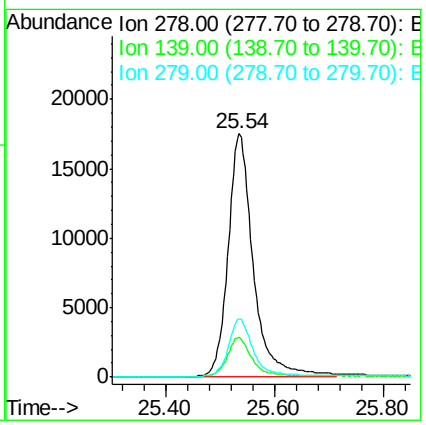


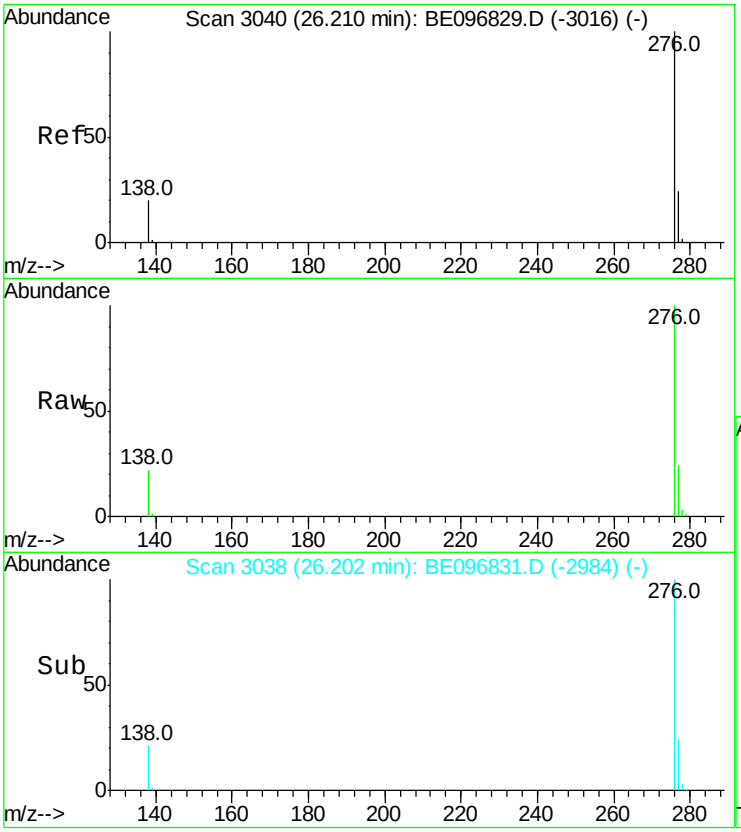


#38
Dibenzo(a,h)anthracene
Concen: 1.881 ng
RT: 25.54 min Scan# 2851
Delta R.T. -0.00 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Tgt Ion:278 Resp: 56336

Ion	Ratio	Lower	Upper
278	100		
139	16.2	16.0	24.0
279	24.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 1.728 ng
RT: 26.20 min Scan# 3038
Delta R.T. -0.01 min
Lab File: BE096831.D
Acq: 20 Jun 2018 12:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 57306

Ion	Ratio	Lower	Upper
276	100		
277	24.2	16.0	24.0#
138	21.6	20.0	30.0