Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062018\
Data File : BE096832.D
Acq On : 20 Jun 2018 12:49
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Jun 20 15:42:05 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 15:14:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2409	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	12166	0.40	ng		0.00
13) Acenaphthene-d10	14.03	164	7045	0.40	ng		0.00
19) Phenanthrene-d10	16.78	188	17509	0.40	ng		0.00
27) Chrysene-d12	20.98	240	19248	0.40	ng		0.00
34) Perylene-d12	23.21	264	14106	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	19153	3.56	ng		0.00
5) Phenol-d6	6.60	99	30296	3.77	ng		0.00
8) Nitrobenzene-d5	8.53	82	26478	3.59	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	59653	3.41	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	7778	4.60	ng		0.01
15) 2-Fluorobiphenyl	12.64	172	83376	3.23	ng		0.00
25) Fluoranthene-d10	18.81	212	607708	3.94	ng		0.00
29) Terphenyl-d14	19.44	244	119434	3.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	11839	3.280	ng	#	87
3) n-Nitrosodimethylamine	3.37	42	14212	3.716	ng	#	90
6) bis(2-Chloroethyl)ether	6.84	93	29705	3.373	ng		97
9) Naphthalene	10.20	128	364856	3.305	ng		99
10) Hexachlorobutadiene	10.50	225	15038	3.271	ng		96
12) 2-Methylnaphthalene	11.81	142	62789	3.429	ng		99
16) Acenaphthylene	13.74	152	110744	3.625	ng		100
17) Acenaphthene	14.08	154	69069	3.420	ng		97
18) Fluorene	15.08	166	83519	3.519	ng	#	80
20) 4-Bromophenyl-phenylether	15.98	248	28189	3.569	ng	#	84
21) Hexachlorobenzene	16.09	284	30206	3.357	ng	#	80
22) Pentachlorophenol	16.43	266	8716	6.104	ng	#	72
23) Phenanthrene	16.81	178	150398	3.494	ng		99
24) Anthracene	16.90	178	137948	3.869	ng		96
28) Pyrene	19.21	202	178505	3.206	ng		99
30) Benzo(a)anthracene	20.97	228	161561	3.787	ng		95
31) Chrysene	21.02	228	171650	3.259	ng		100
33) Indeno(1,2,3-cd)pyrene	25.51	276	149535	3.817	ng		97
35) Benzo(b)fluoranthene	22.54	252	143977	3.740	ng	#	86
36) Benzo(k)fluoranthene	22.59	252	168742	3.880	ng		97
38) Dibenzo(a,h)anthracene	25.54	278	129166	4.120	ng	#	94
39) Benzo(g,h,i)perylene	26.21	276	128795	3.769	ng	#	92

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

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Instrument :
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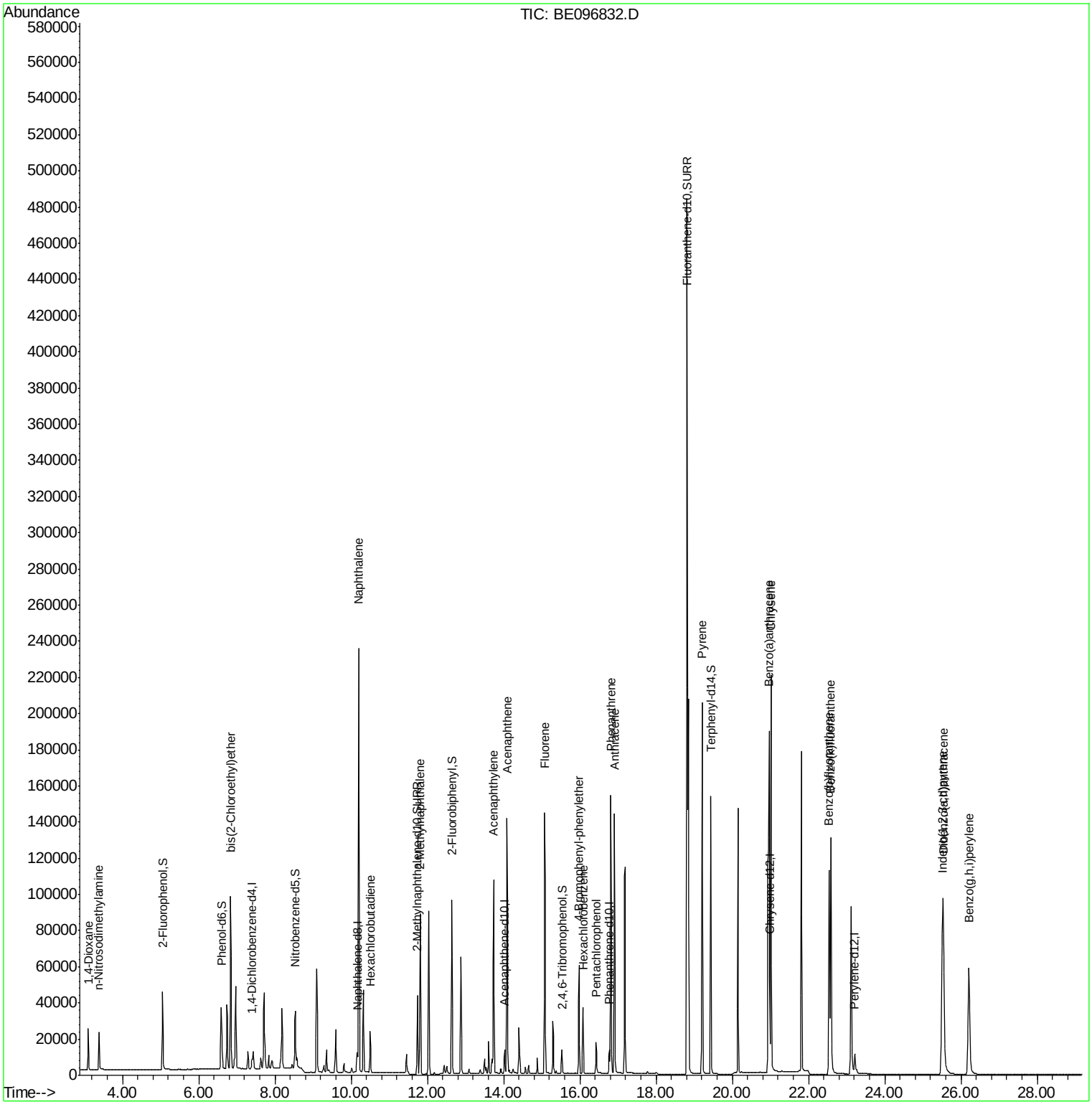
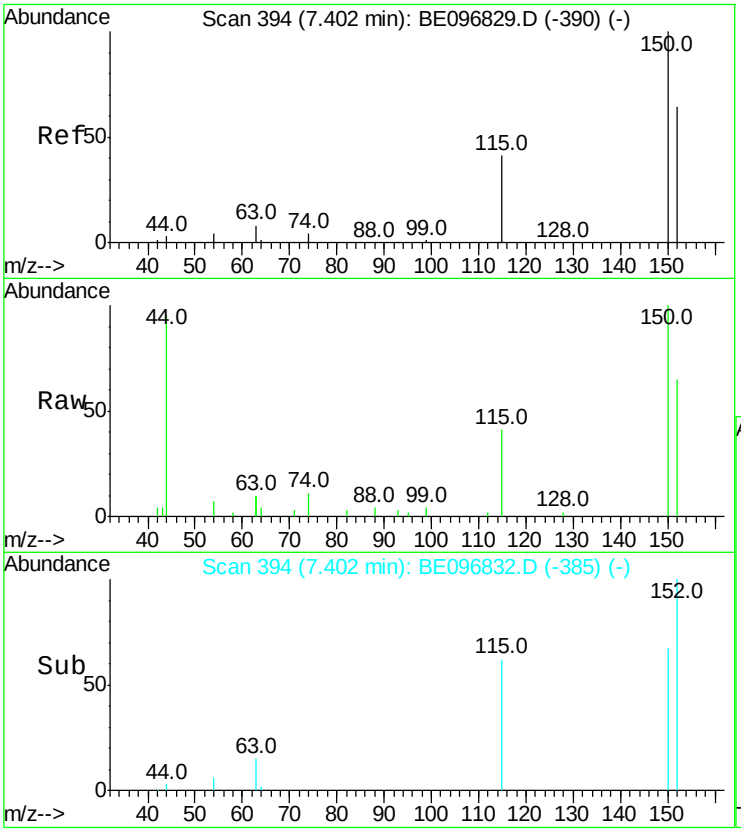


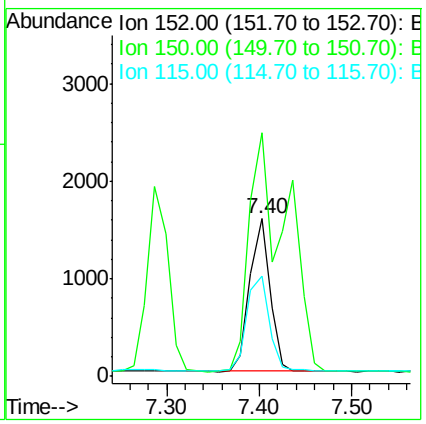


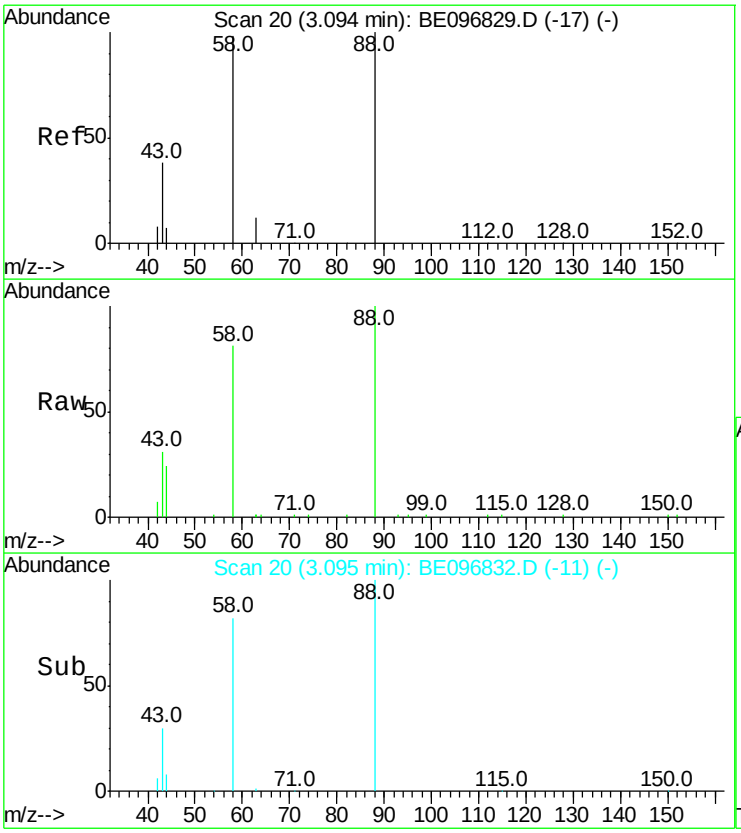
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 2409

Ion	Ratio	Lower	Upper
152	100		
150	154.6	117.2	175.8
115	63.7	57.0	85.6

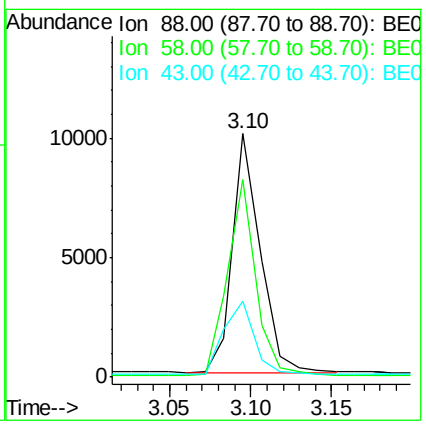


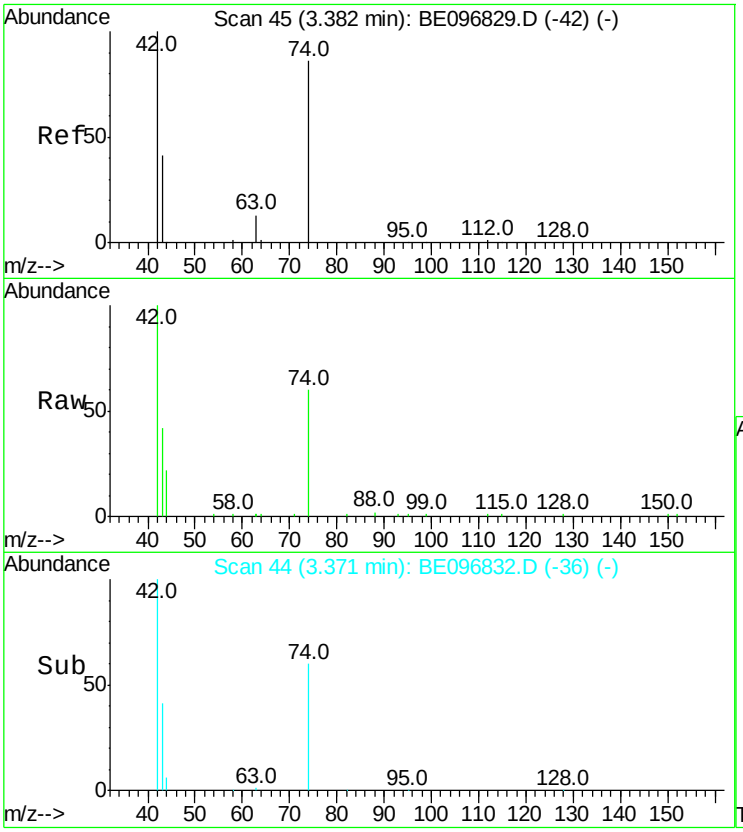


#2
1,4-Dioxane
Concen: 3.280 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion: 88 Resp: 11839

Ion	Ratio	Lower	Upper
88	100		
58	83.5	63.2	94.8
43	33.8	41.2	61.8#



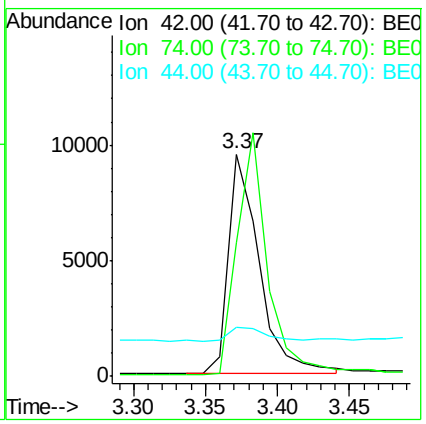


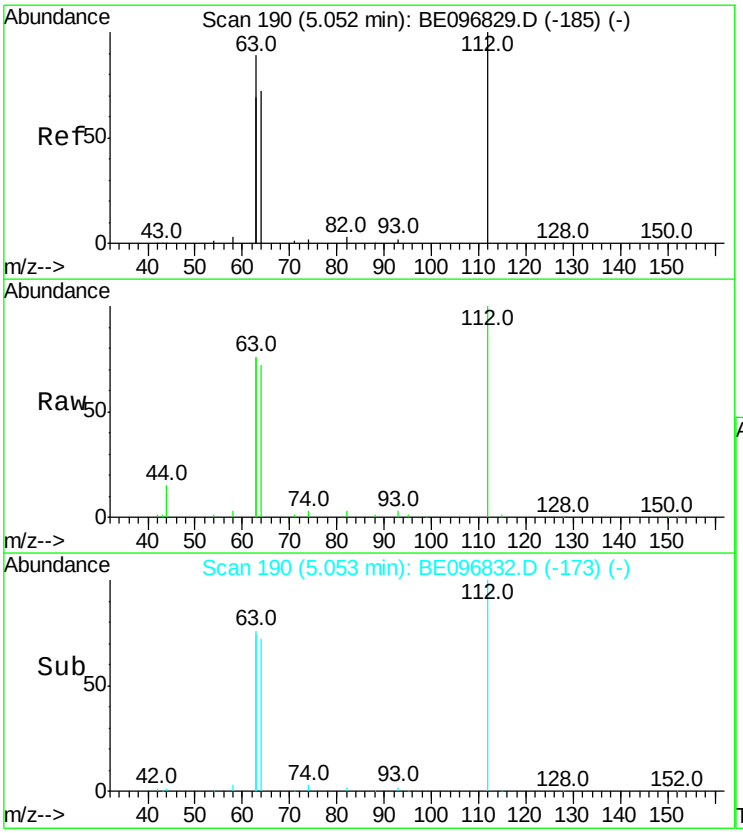
#3
n-Nitrosodimethylamine
Concen: 3.716 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 14212

Ion	Ratio	Lower	Upper
42	100		
74	108.5	96.0	144.0
44	10.6	12.0	18.0#

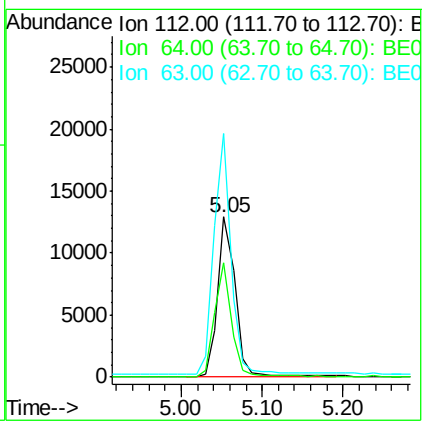


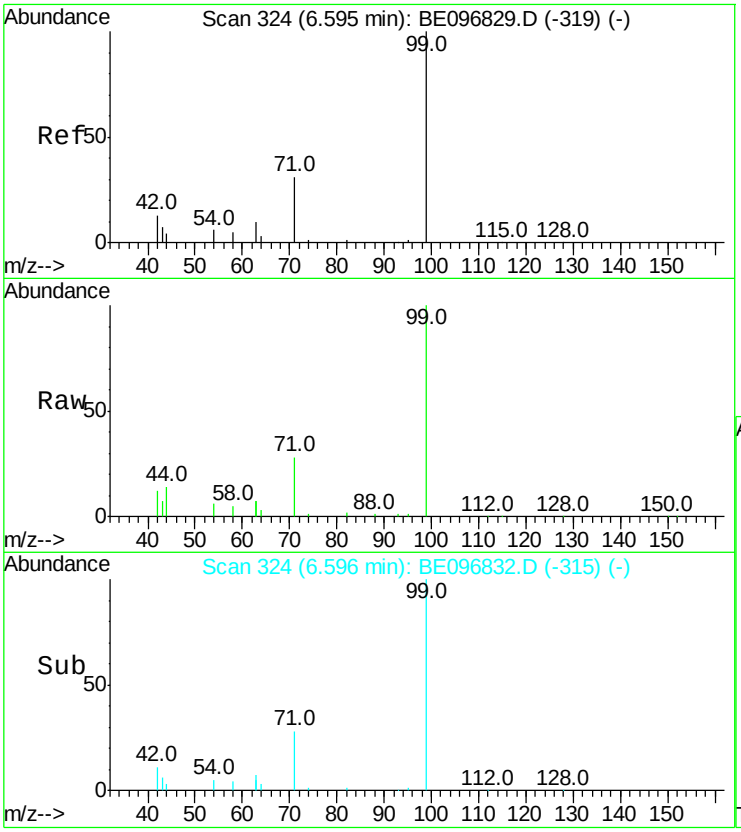


#4
2-Fluorophenol
Concen: 3.557 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:112 Resp: 19153

Ion	Ratio	Lower	Upper
112	100		
64	69.0	60.1	90.1
63	148.1	116.8	175.2



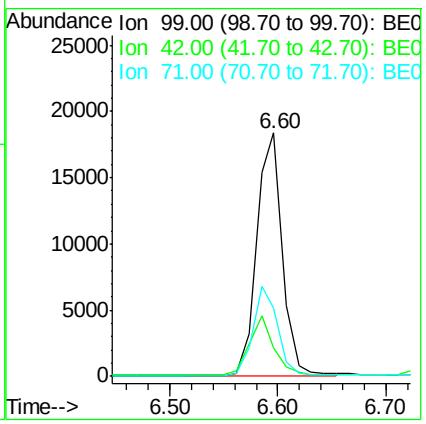


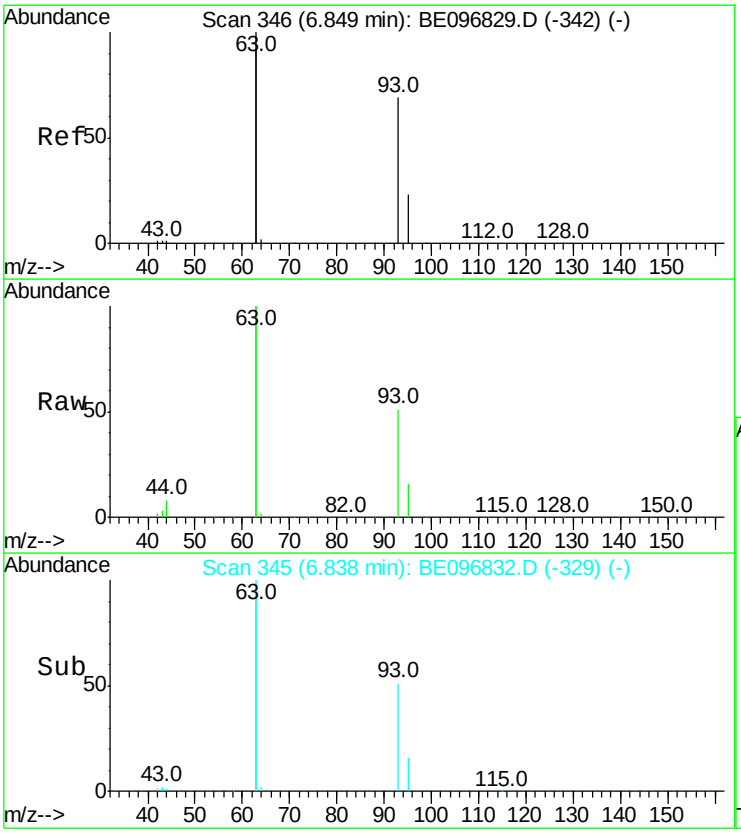
#5
Phenol-d6
Concen: 3.772 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 30296

Ion	Ratio	Lower	Upper
99	100		
42	23.5	20.2	30.2
71	35.5	28.4	42.6

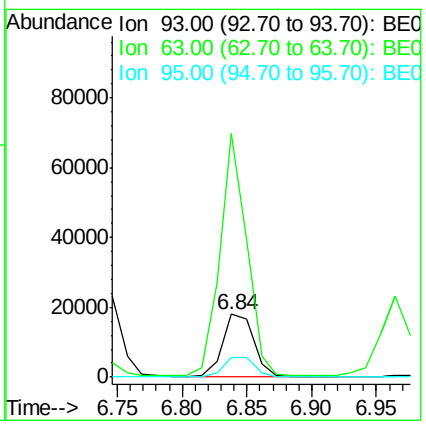


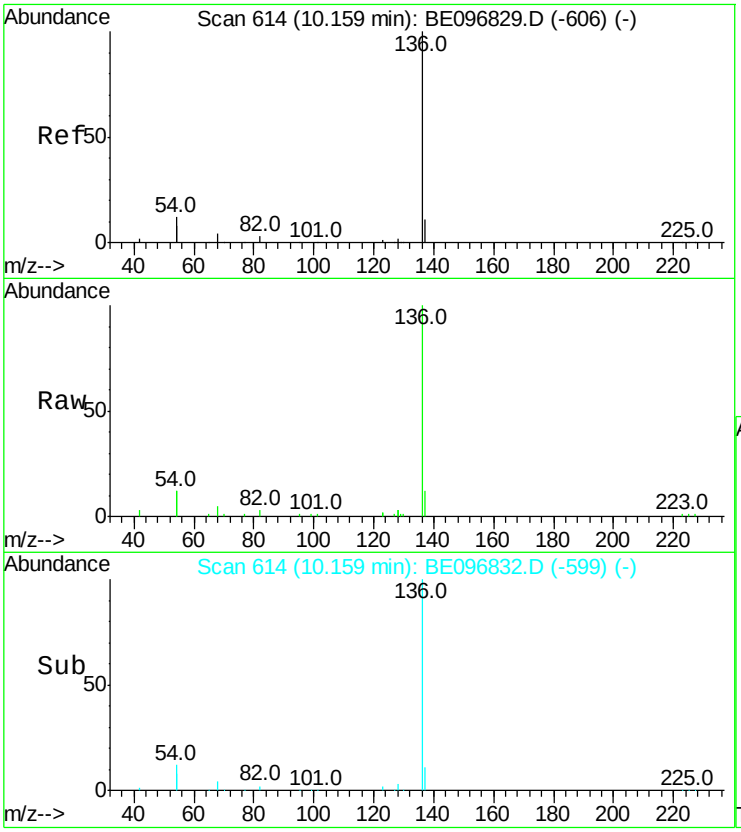


#6
bis(2-Chloroethyl)ether
Concen: 3.373 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.01 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion: 93 Resp: 29705

Ion	Ratio	Lower	Upper
93	100		
63	337.2	275.3	412.9
95	31.9	25.2	37.8



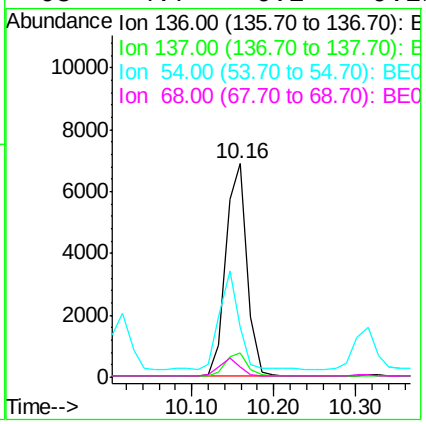


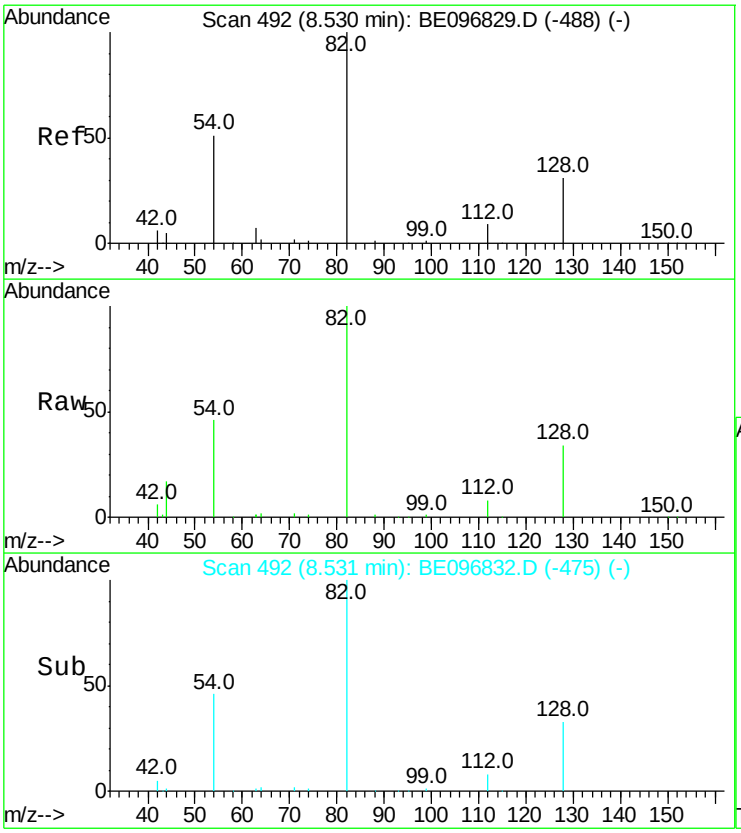
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 12166

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	23.1	29.1	43.7#
68	4.7	6.2	9.2#

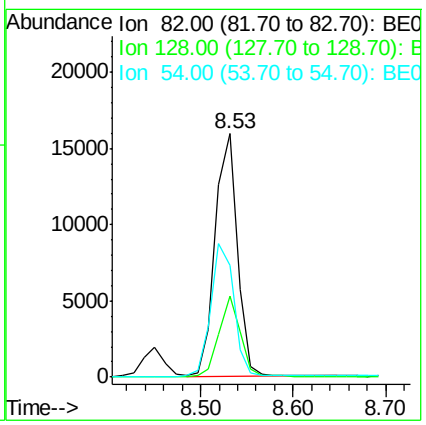


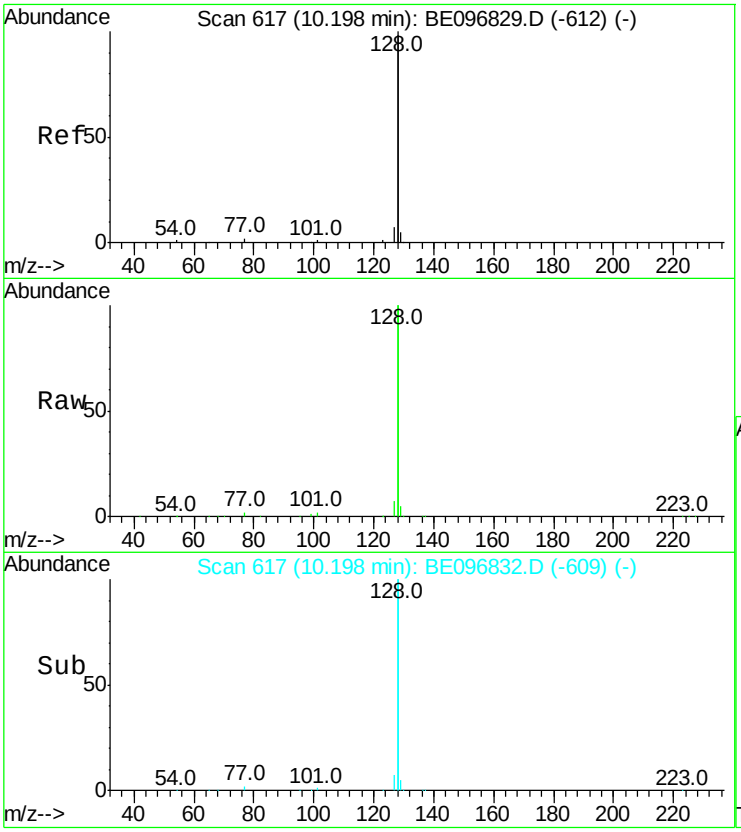


#8
Nitrobenzene-d5
Concen: 3.594 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion: 82 Resp: 26478

Ion	Ratio	Lower	Upper
82	100		
128	33.5	24.0	36.0
54	46.0	40.0	60.0



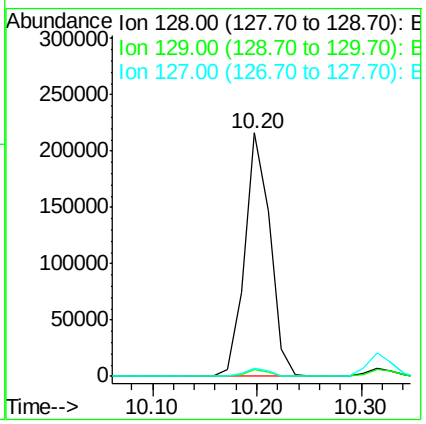


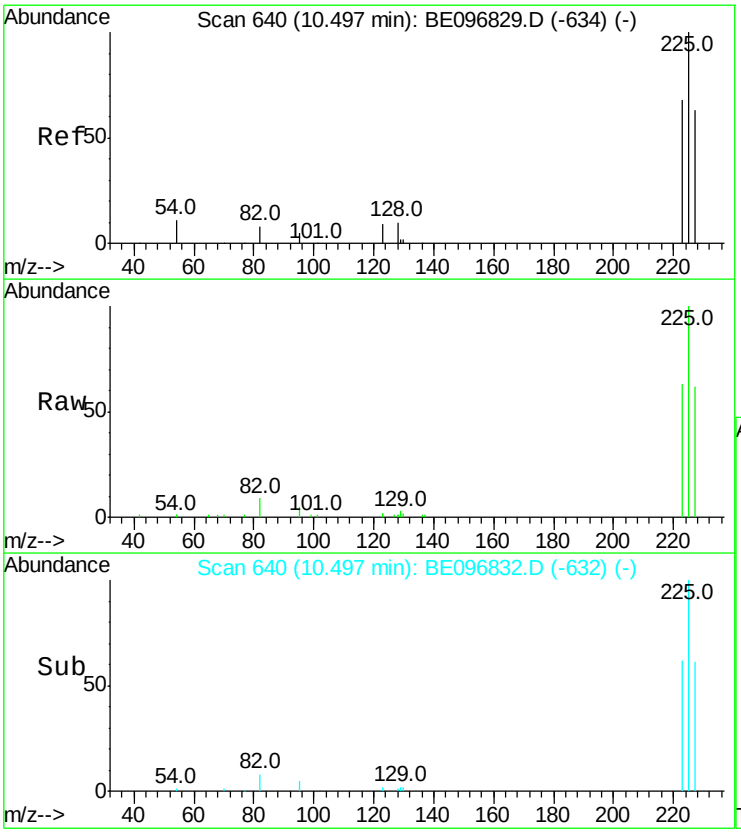
#9
Naphthalene
Concen: 3.305 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 364856

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.6	3.8
127	3.3	2.8	4.2

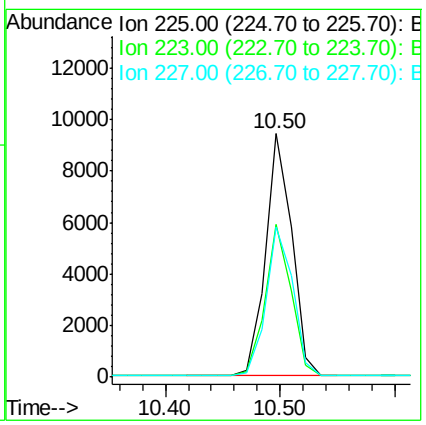


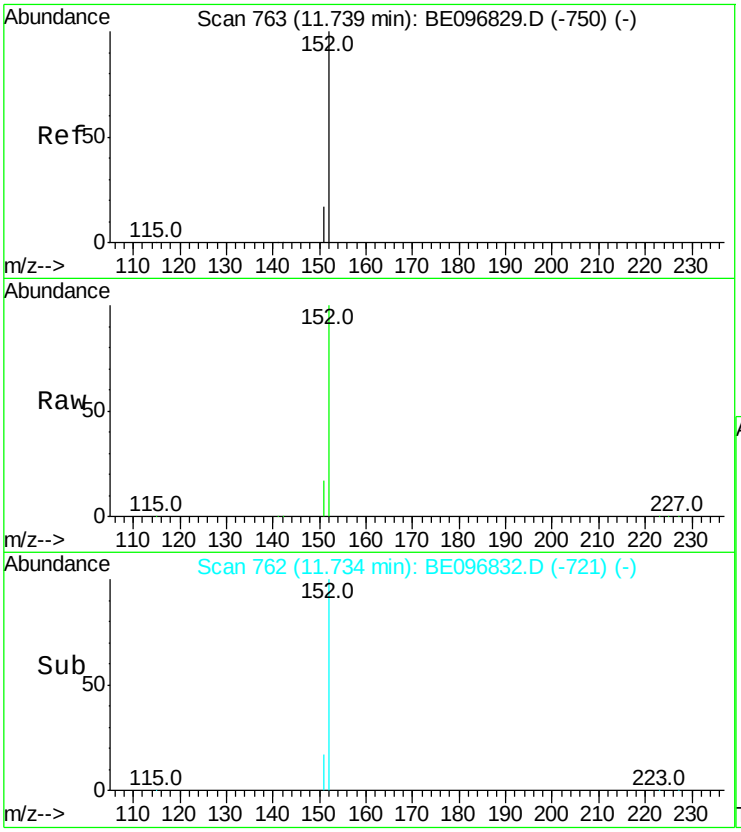


#10
Hexachlorobutadiene
Concen: 3.271 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:225 Resp: 15038

Ion	Ratio	Lower	Upper
225	100		
223	61.8	53.0	79.6
227	62.9	51.4	77.2



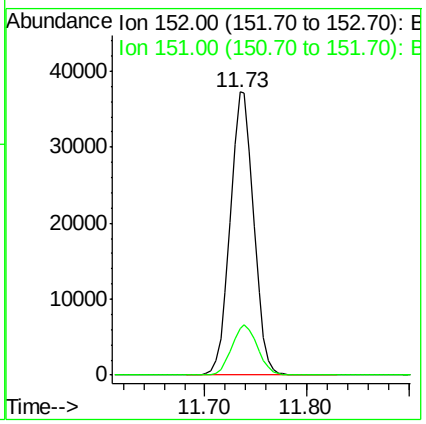


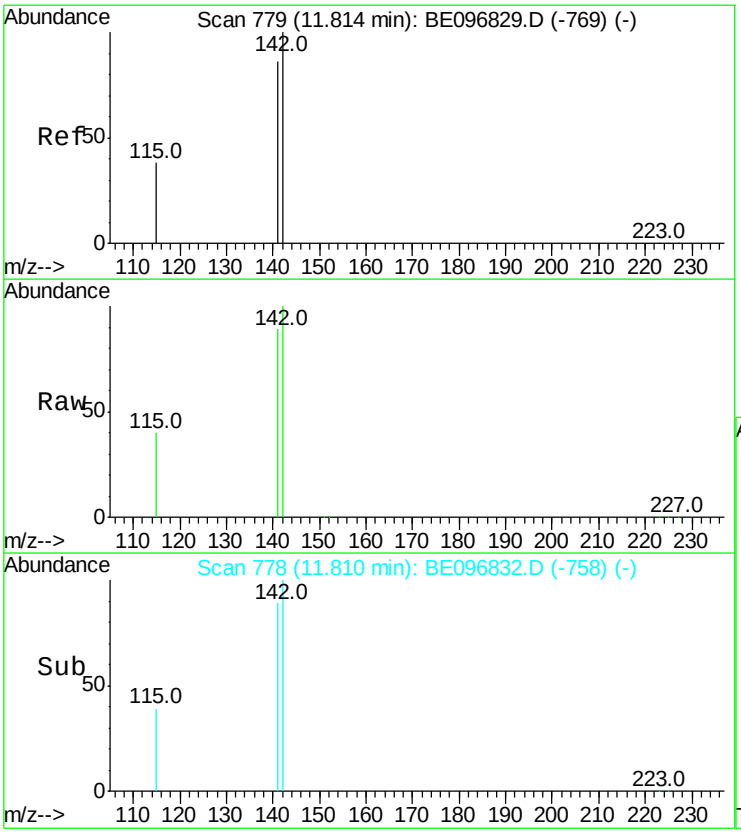
#11
2-Methylnaphthalene-d10
Concen: 3.408 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 59653

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

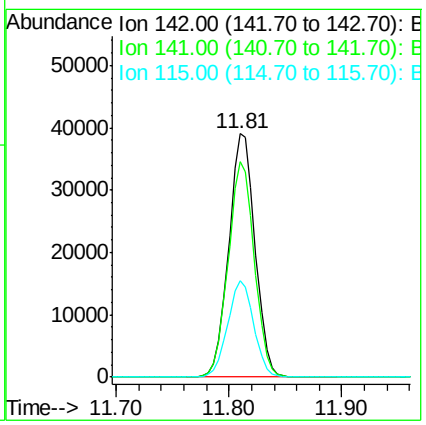


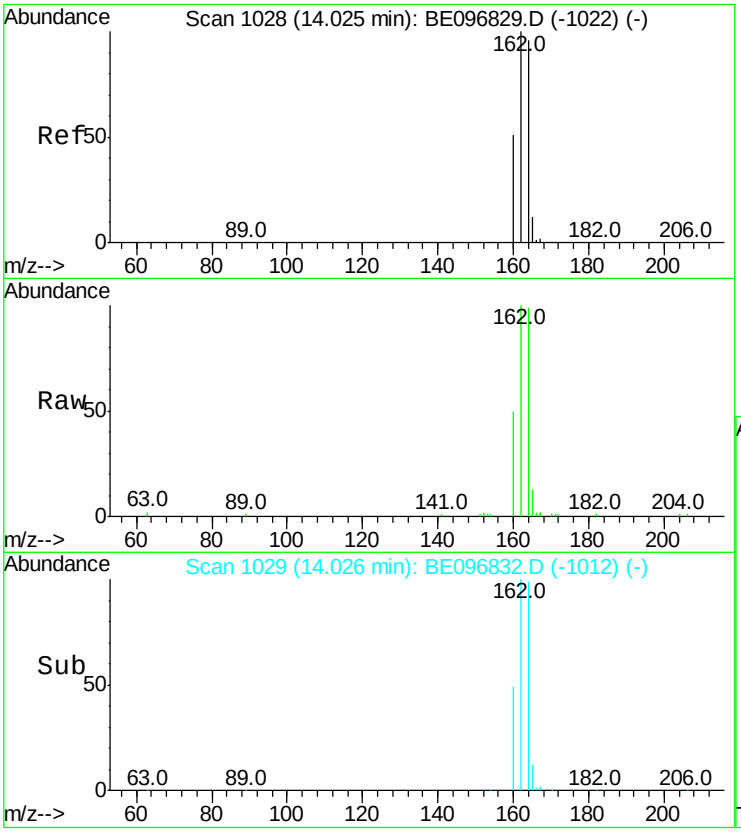


#12
2-Methylnaphthalene
Concen: 3.429 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:142 Resp: 62789

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	39.6	31.7	47.5



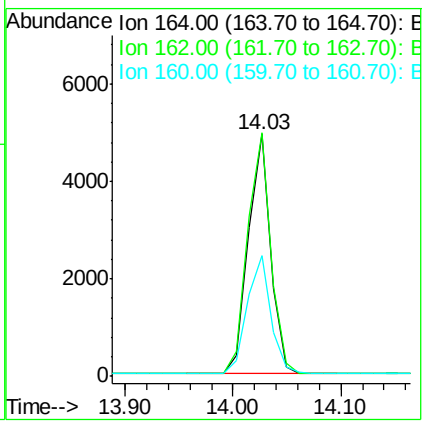


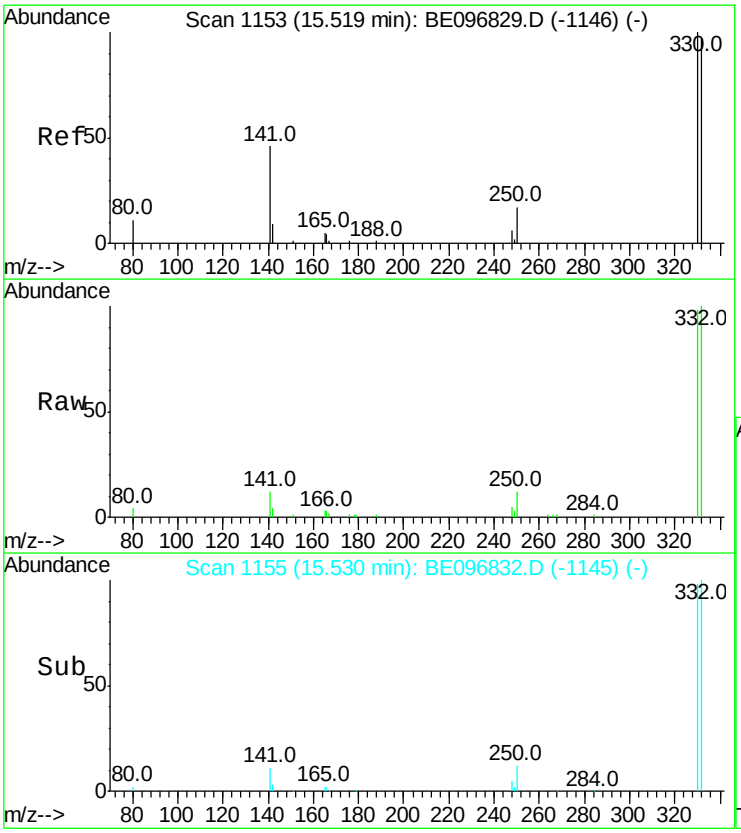
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 7045

Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.1	124.7
160	50.0	37.1	55.7

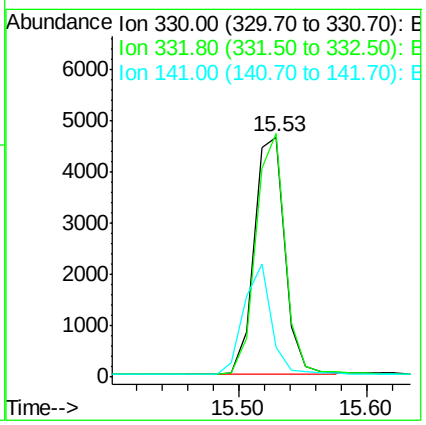


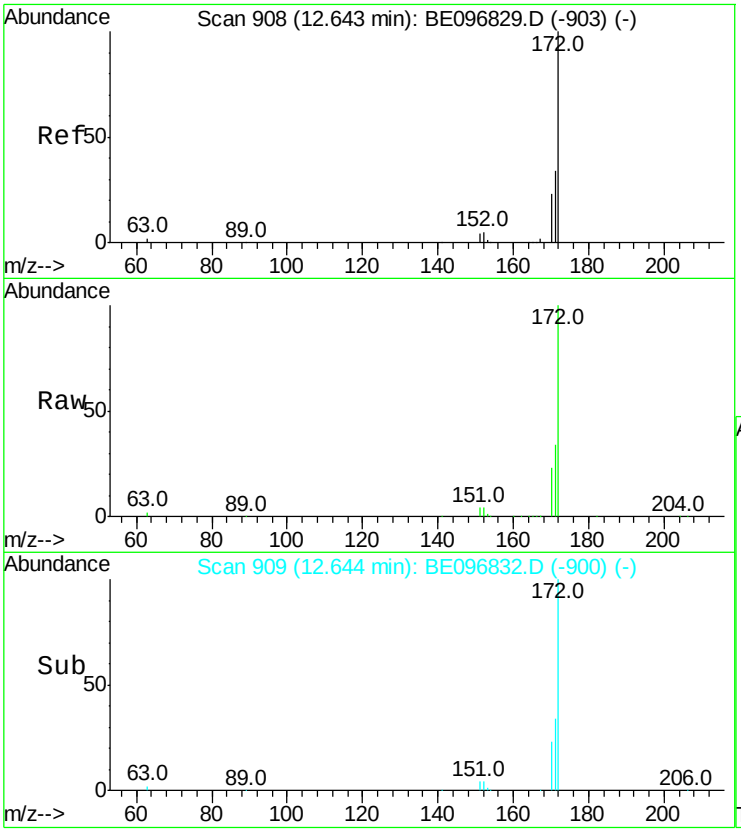


#14
2,4,6-Tribromophenol
Concen: 4.600 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:330 Resp: 7778

Ion	Ratio	Lower	Upper
330	100		
332	96.3	152.7	229.1#
141	41.5	33.7	50.5



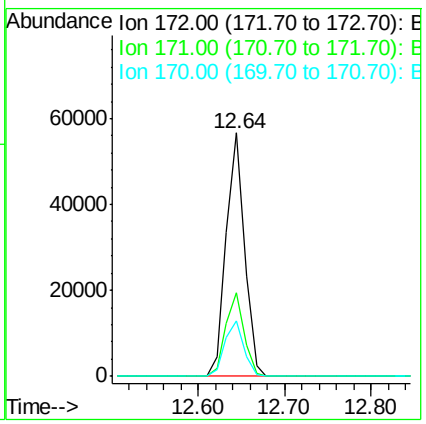


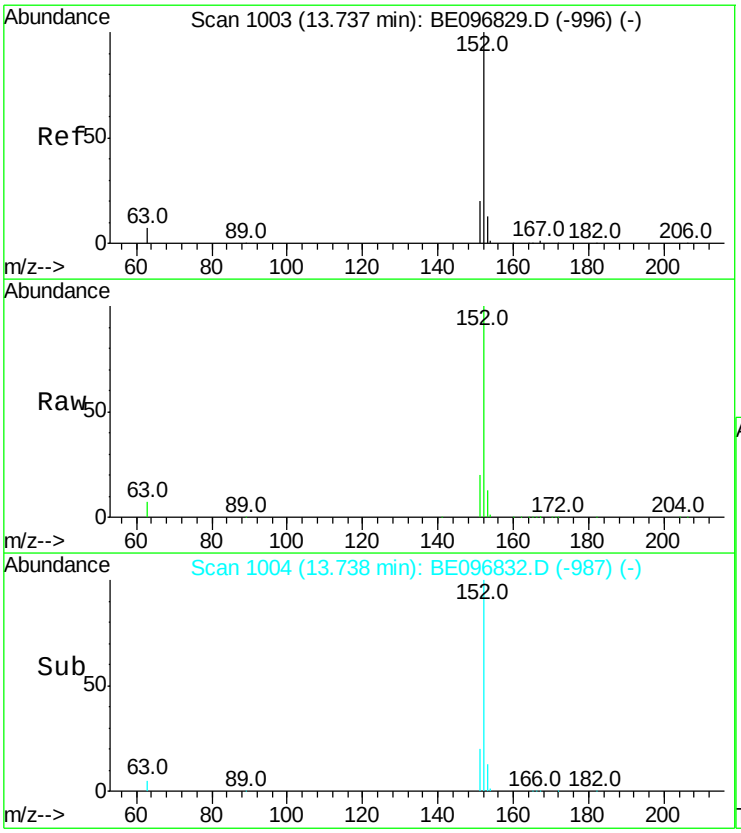
#15
2-Fluorobiphenyl
Concen: 3.234 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 83376

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.9	44.9
170	23.0	21.8	32.8

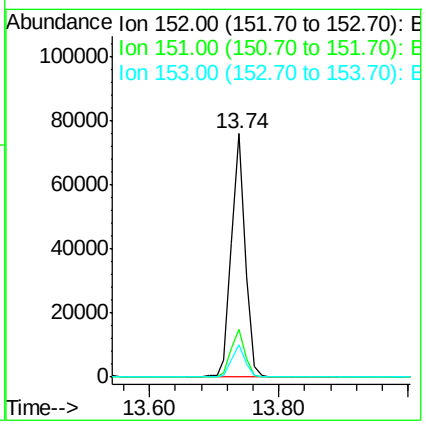


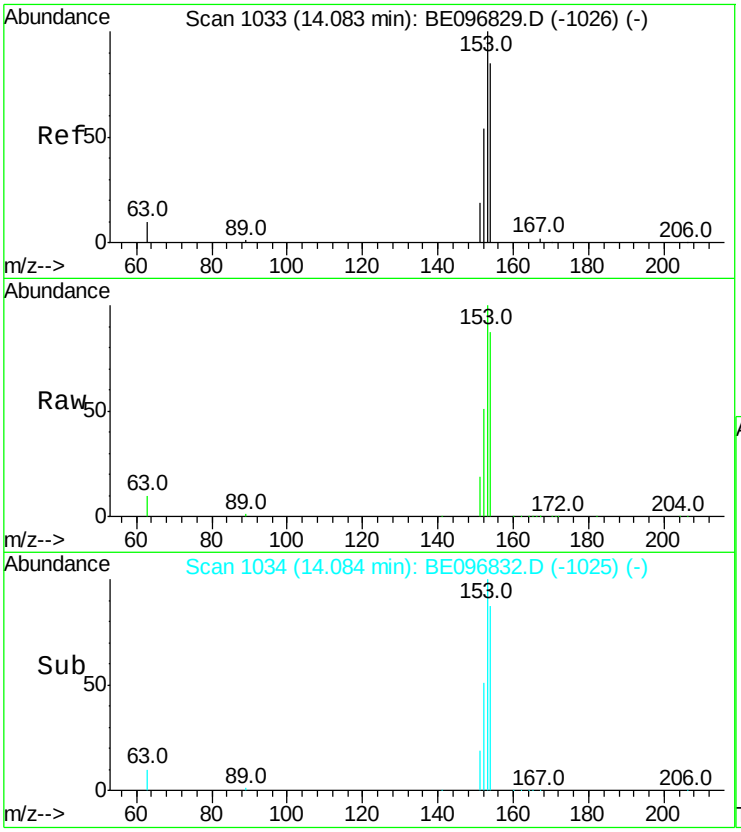


#16
Acenaphthylene
Concen: 3.625 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:152 Resp: 110744

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.5	15.7



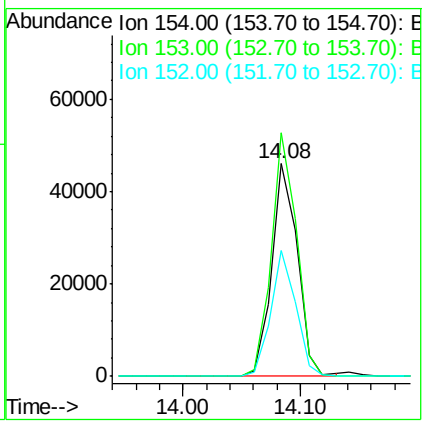


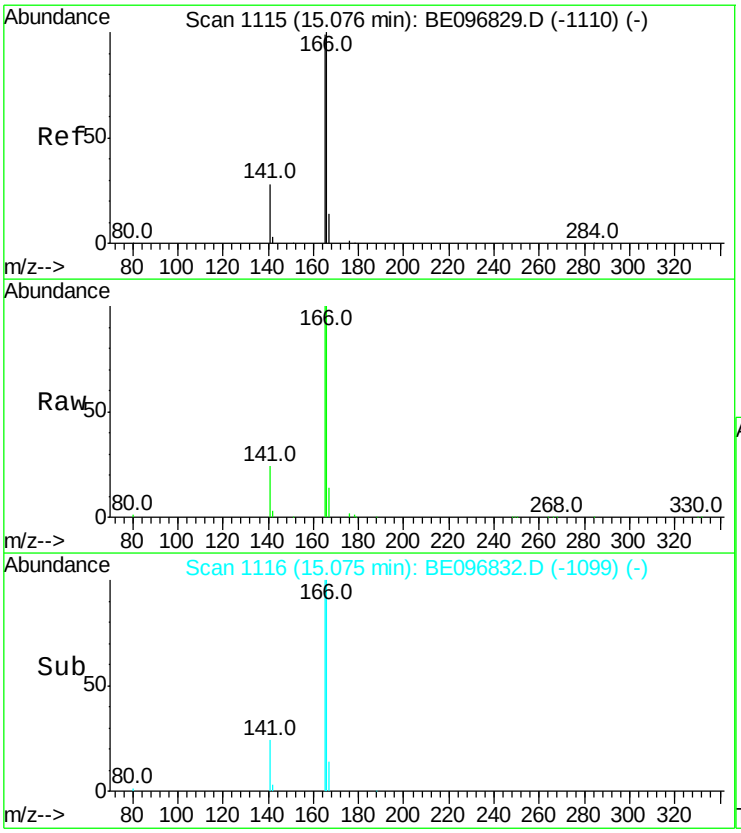
#17
Acenaphthene
Concen: 3.420 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 69069

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.2	133.8
152	57.7	42.0	63.0

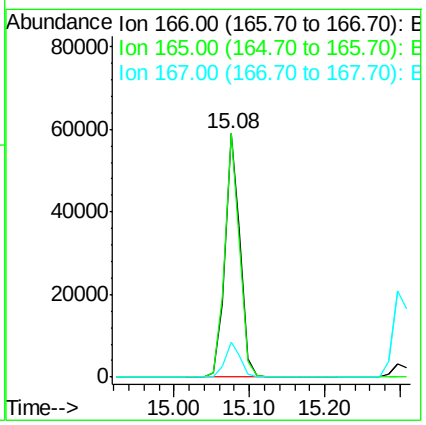


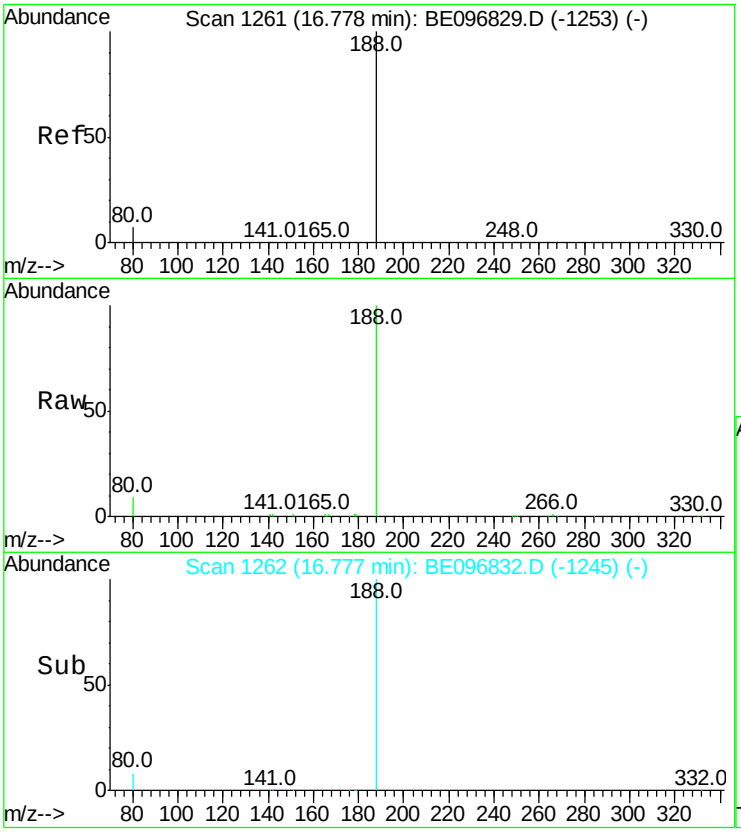


#18
Fluorene
Concen: 3.519 ng
RT: 15.08 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:166 Resp: 83519

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.6
167	14.4	42.4	63.6#



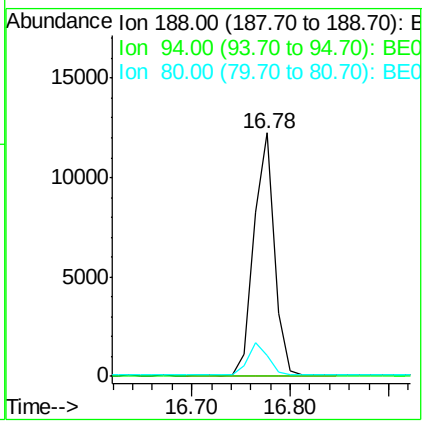


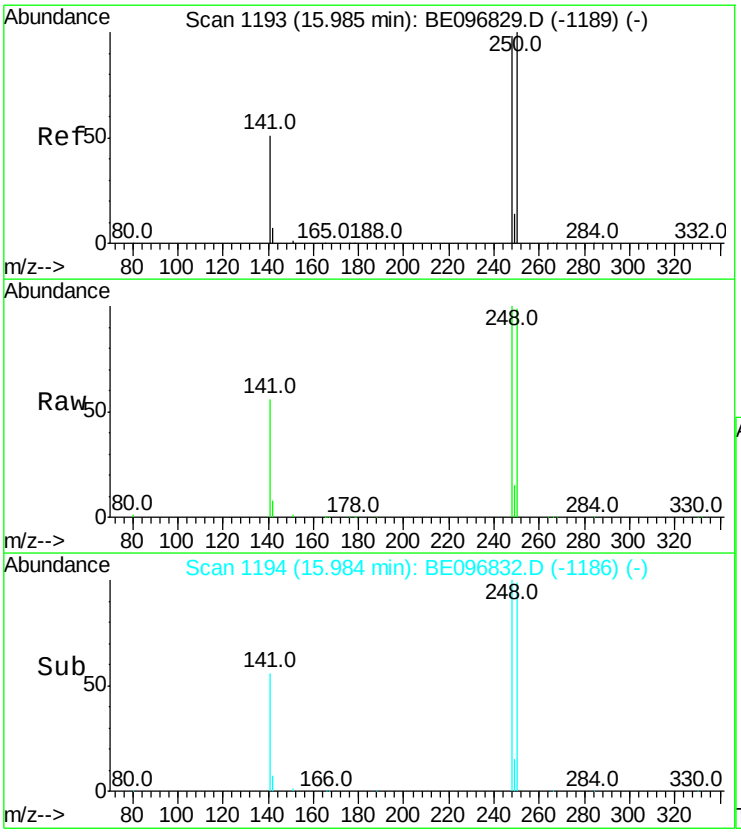
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 17509

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.6	3.6	5.4#

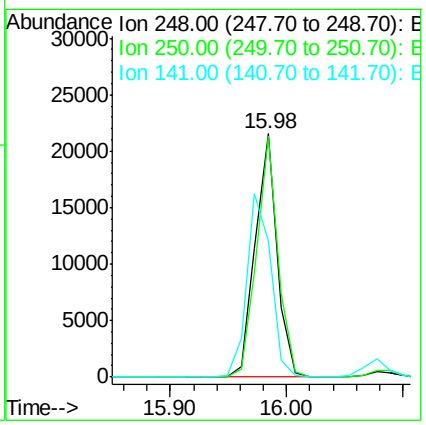


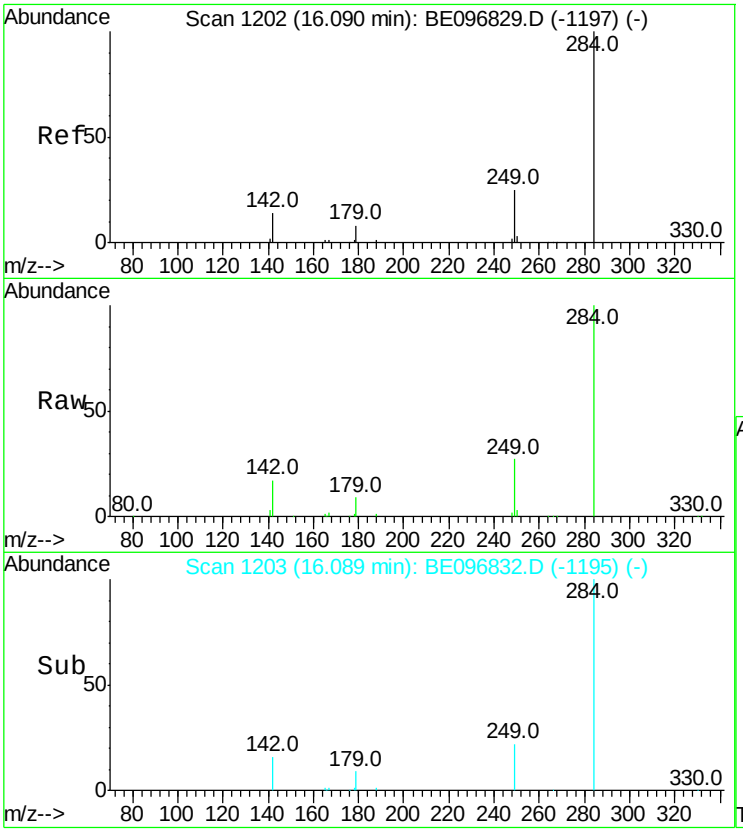


#20
4-Bromophenyl-phenylether
Concen: 3.569 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:248 Resp: 28189

Ion	Ratio	Lower	Upper
248	100		
250	98.8	62.7	94.1#
141	55.9	48.2	72.2



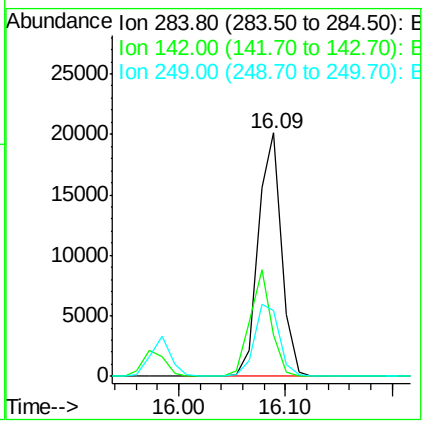


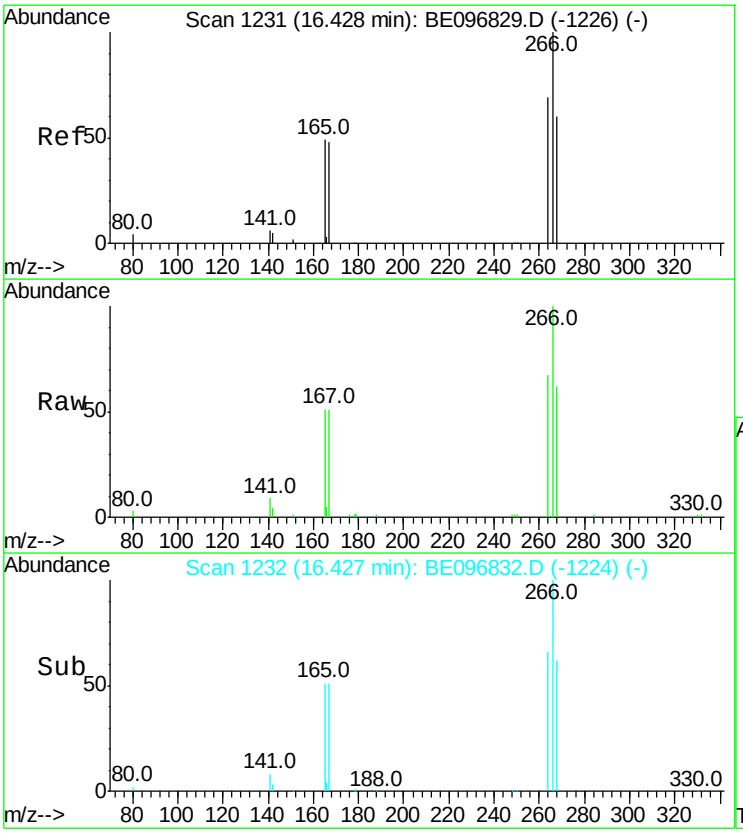
#21
Hexachlorobenzene
Concen: 3.357 ng
RT: 16.09 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 30206

Ion	Ratio	Lower	Upper
284	100		
142	39.7	22.1	33.1#
249	31.5	34.8	52.2#

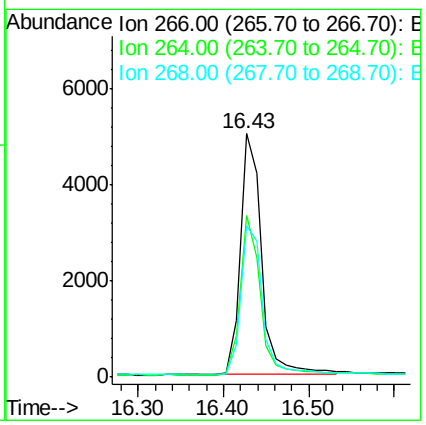


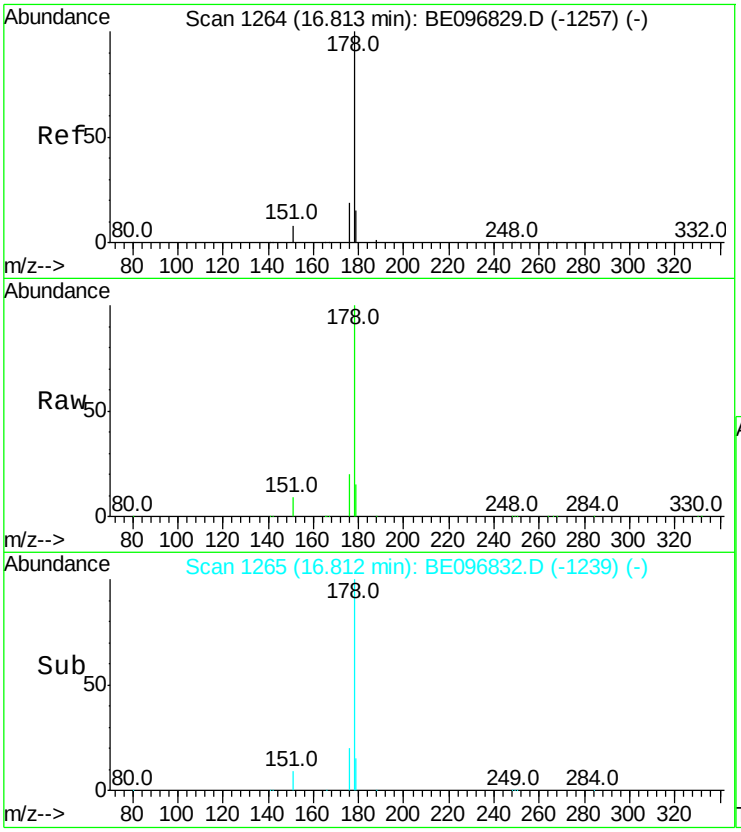


#22
Pentachlorophenol
Concen: 6.104 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:266 Resp: 8716

Ion	Ratio	Lower	Upper
266	100		
264	66.6	72.5	108.7#
268	62.1	73.8	110.6#



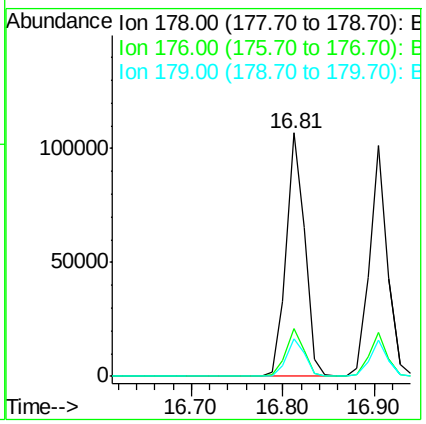


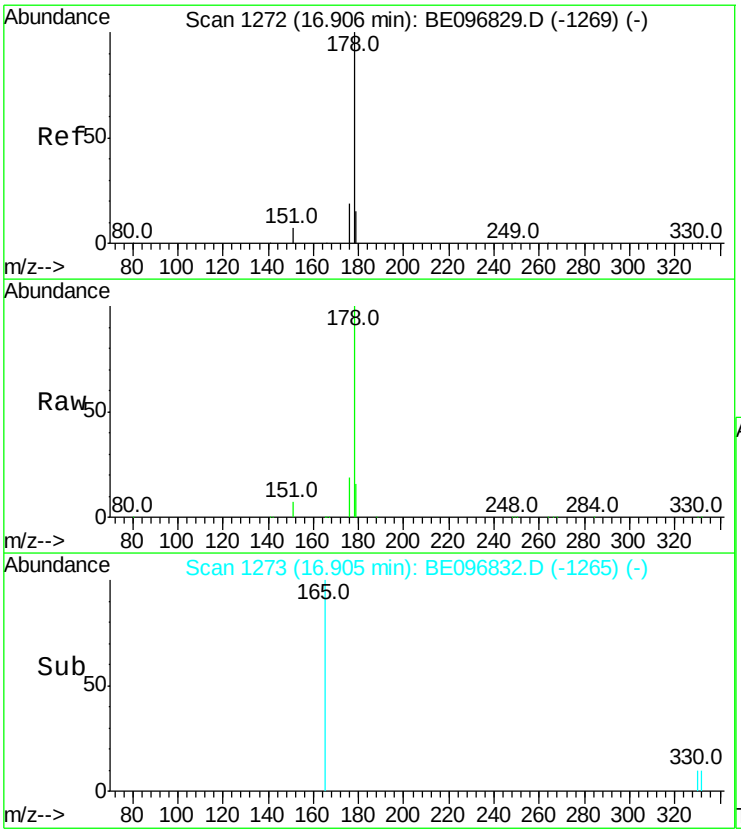
#23
Phenanthrene
Concen: 3.494 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 150398

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.3	11.8	17.6

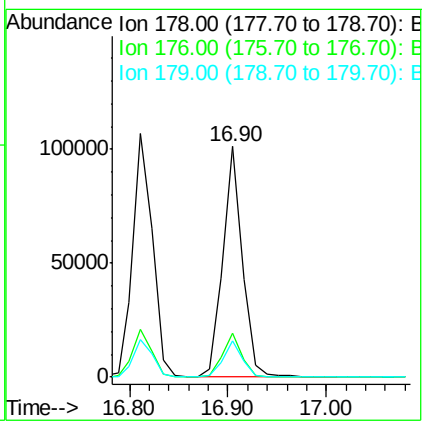


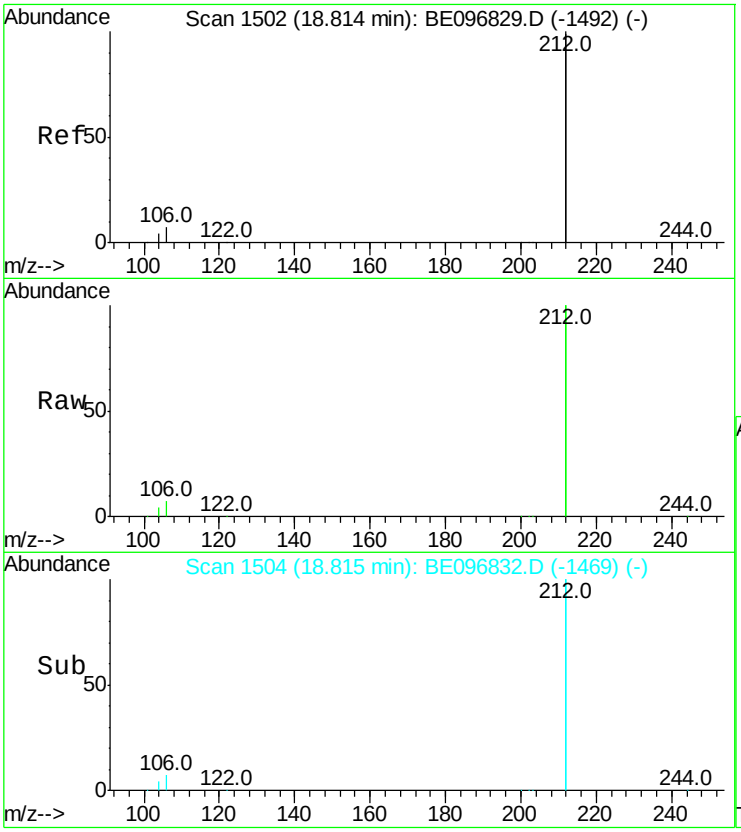


#24
Anthracene
Concen: 3.869 ng
RT: 16.90 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:178 Resp: 137948

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.4	13.0	19.6



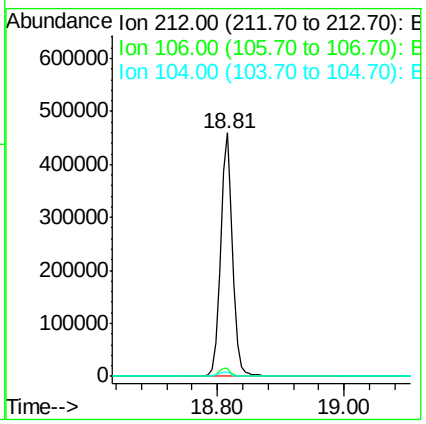


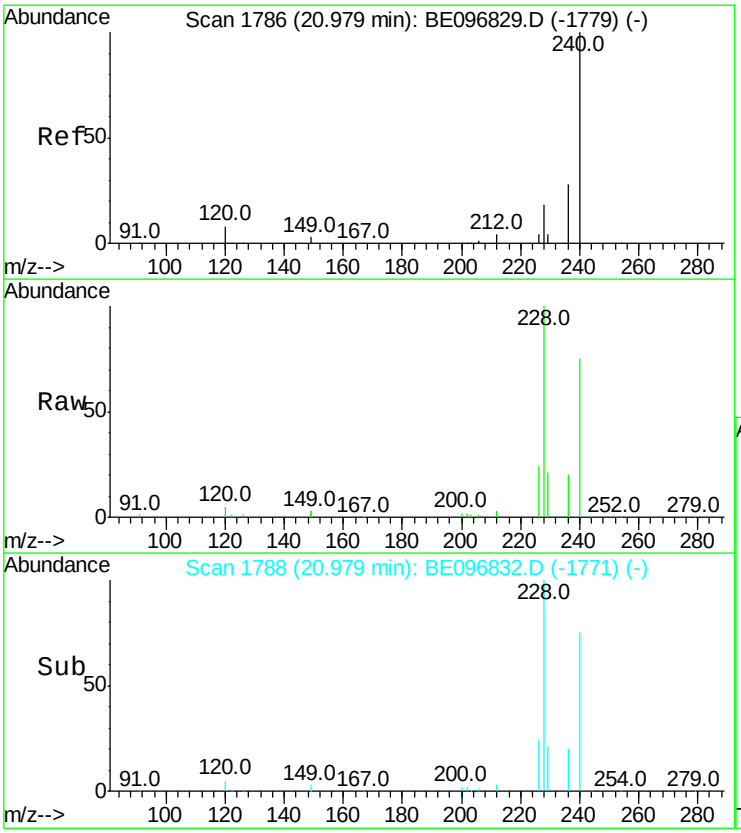
#25
Fluoranthene-d10
Concen: 3.943 ng
RT: 18.81 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 607708

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4

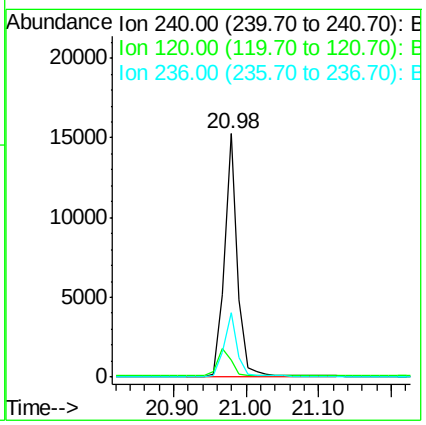


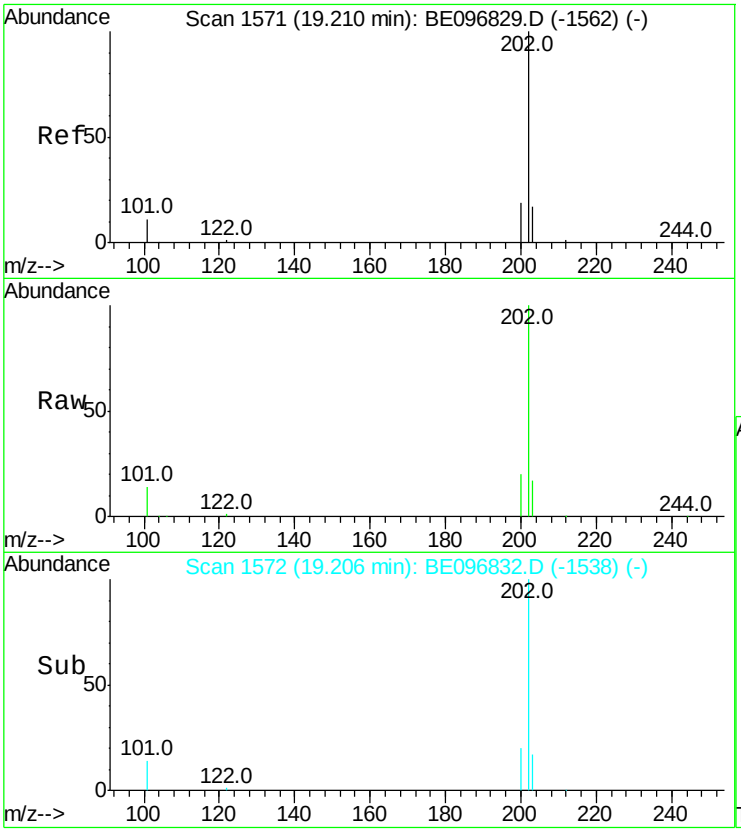


#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:240 Resp: 19248

Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.5	8.3
236	26.6	20.7	31.1



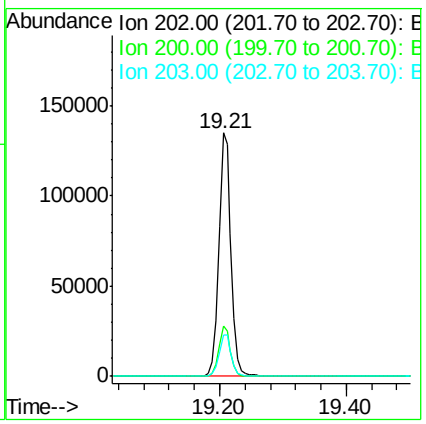


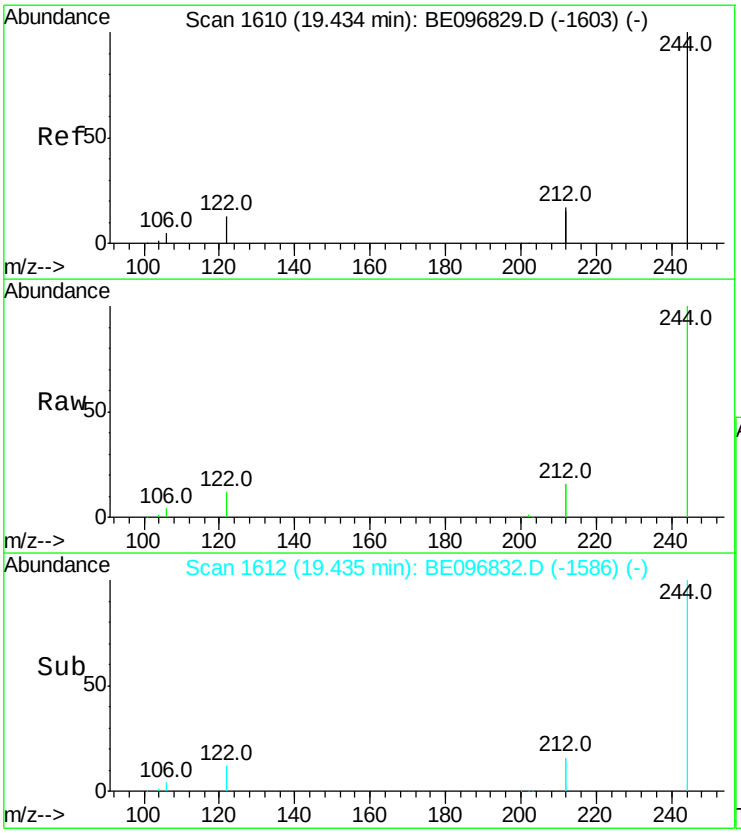
#28
Pyrene
Concen: 3.206 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:202 Resp: 178505

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	25.0
203	17.5	13.8	20.8

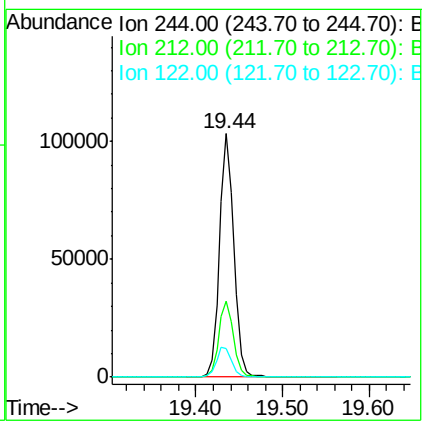


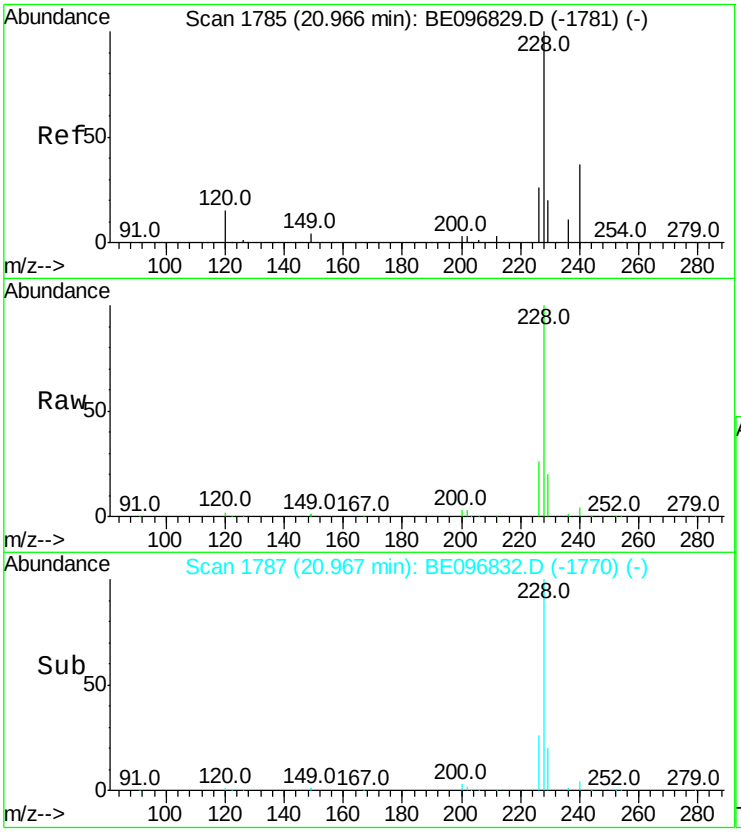


#29
Terphenyl-d14
Concen: 3.215 ng
RT: 19.44 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:244 Resp: 119434

Ion	Ratio	Lower	Upper
244	100		
212	31.2	25.4	38.0
122	12.0	8.1	12.1



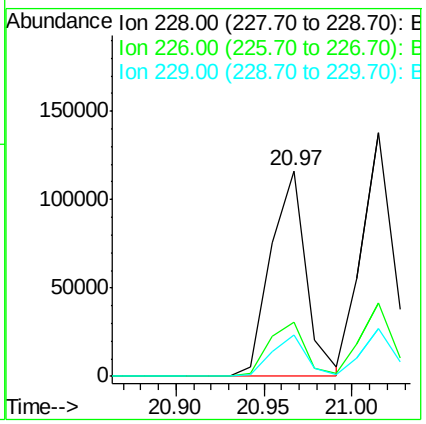


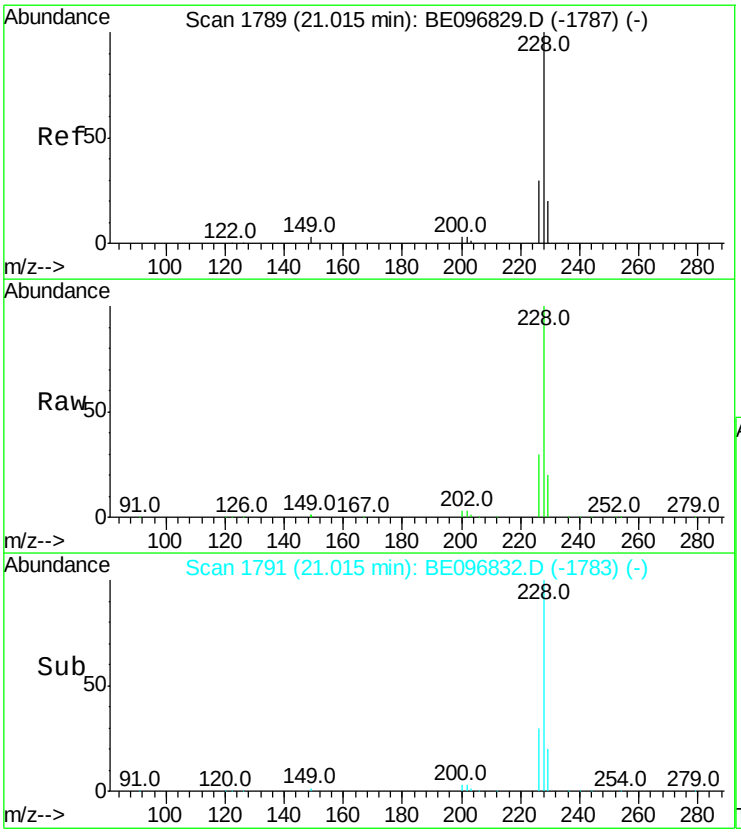
#30
Benzo(a)anthracene
Concen: 3.787 ng
RT: 20.97 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 161561

Ion	Ratio	Lower	Upper
228	100		
226	26.2	24.0	36.0
229	20.4	16.0	24.0

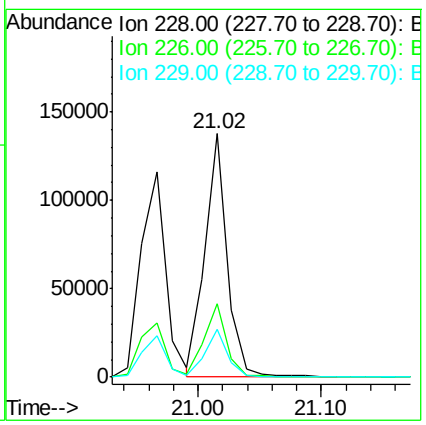


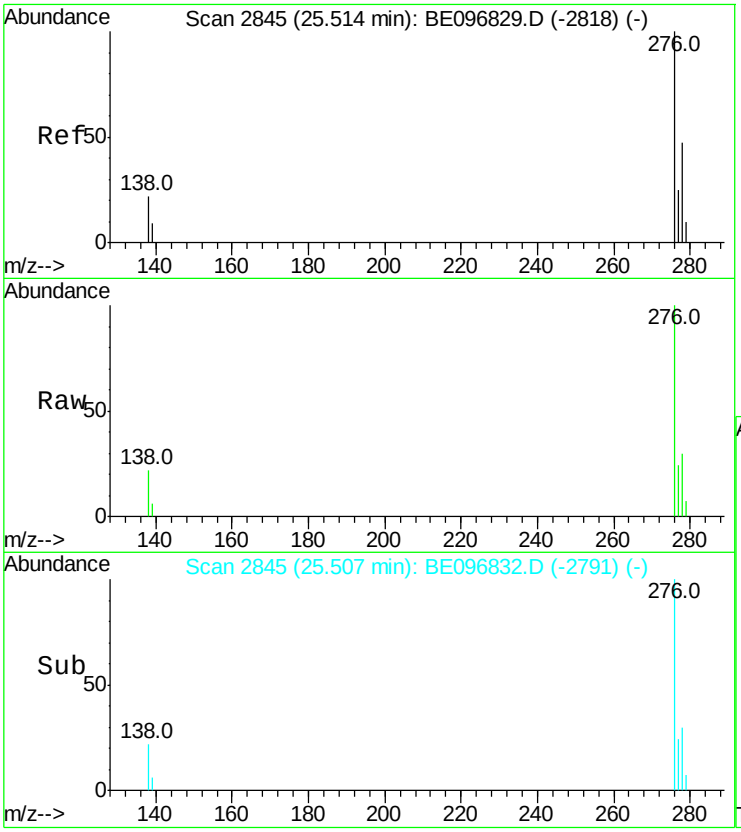


#31
Chrysene
Concen: 3.259 ng
RT: 21.02 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:228 Resp: 171650

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.5	16.0	24.0



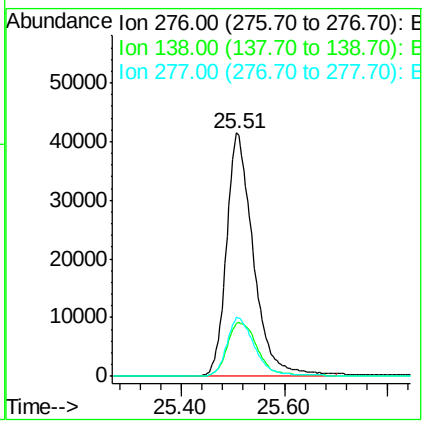


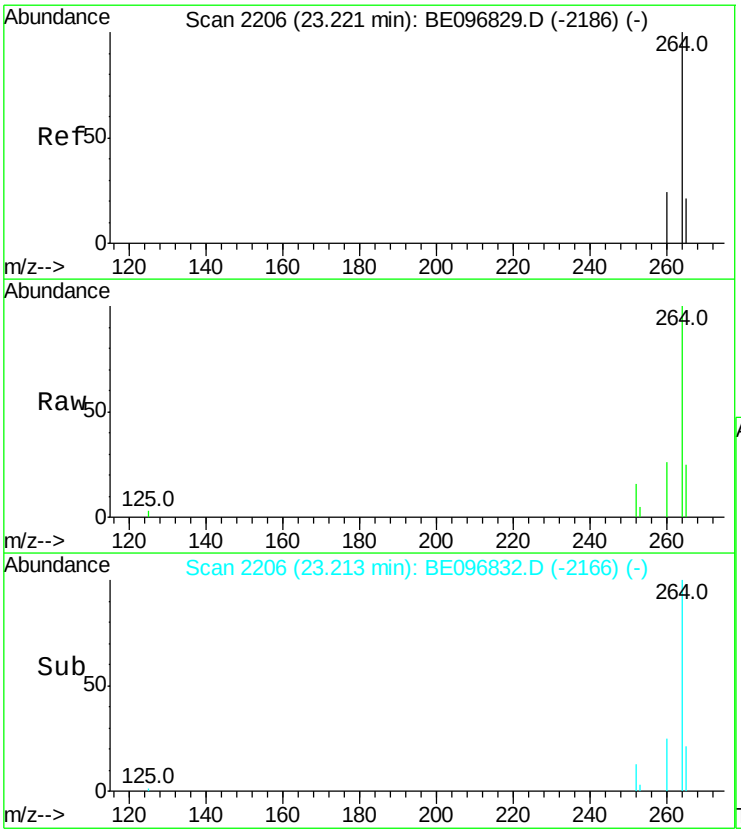
#33
Indeno(1,2,3-cd)pyrene
Concen: 3.817 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 149535

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

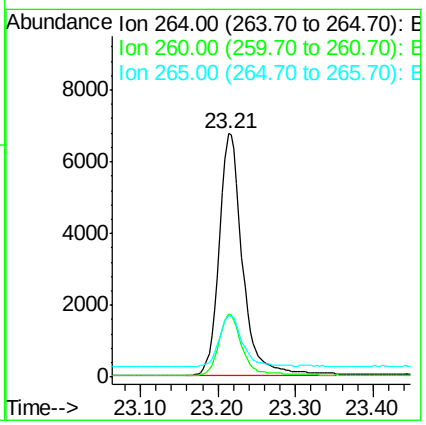


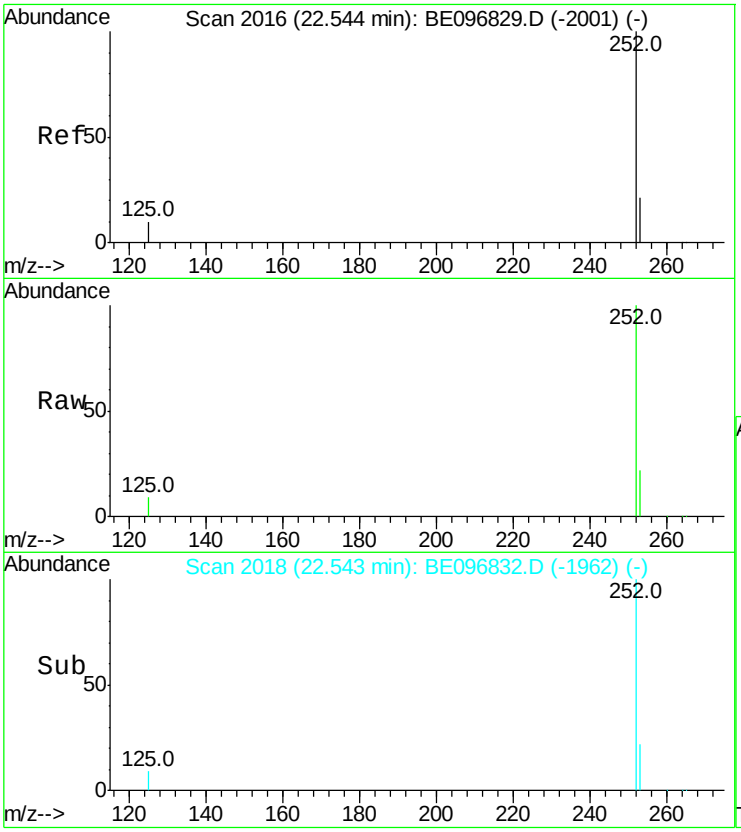


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:264 Resp: 14106

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	25.4	22.8	34.2



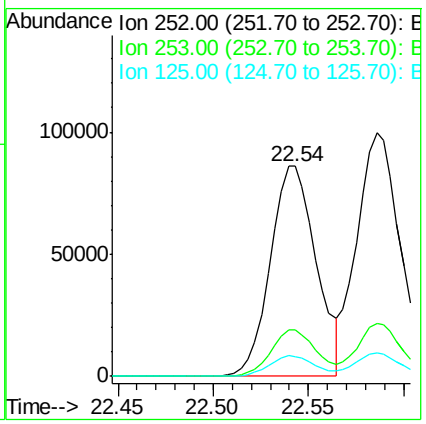


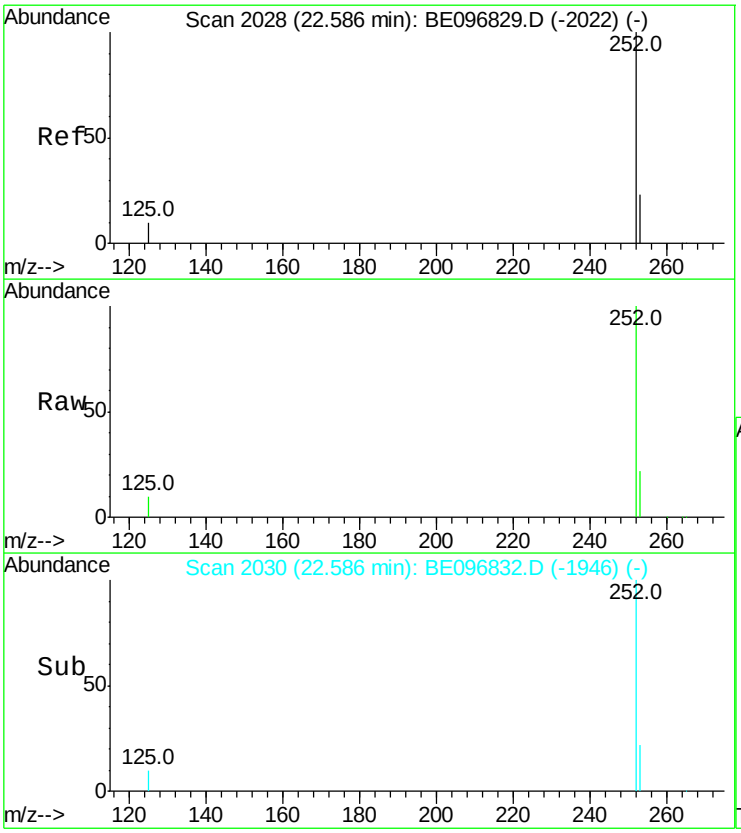
#35
Benzo(b)fluoranthene
Concen: 3.740 ng
RT: 22.54 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 143977

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.0	30.0
125	9.4	16.0	24.0#

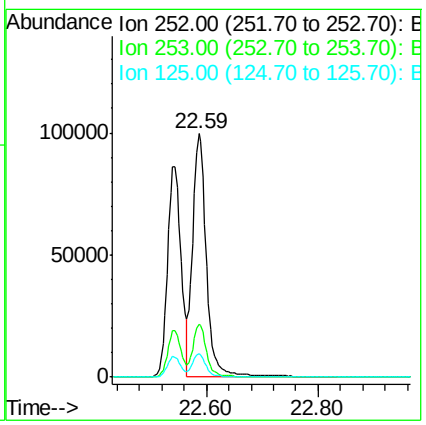


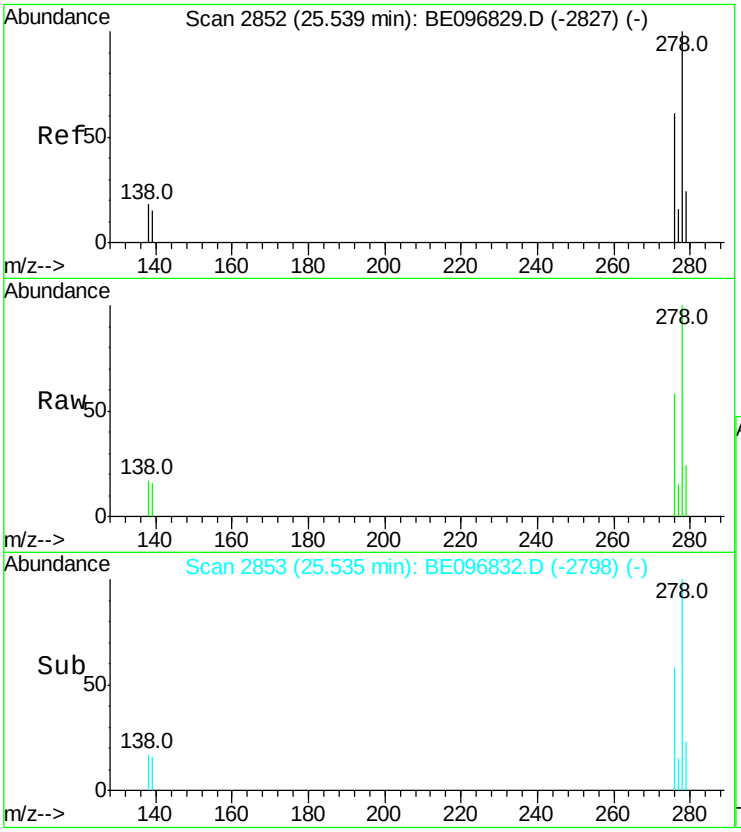


#36
Benzo(k)fluoranthene
Concen: 3.880 ng
RT: 22.59 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:252 Resp: 168742

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.0	24.0
125	9.7	8.0	12.0



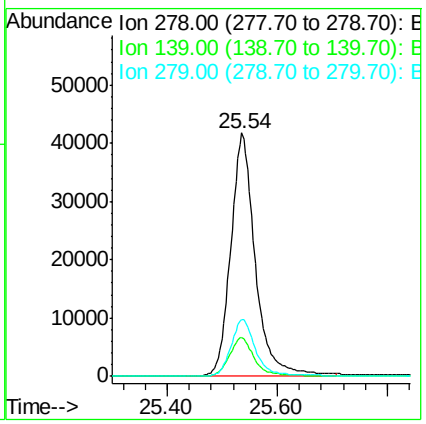


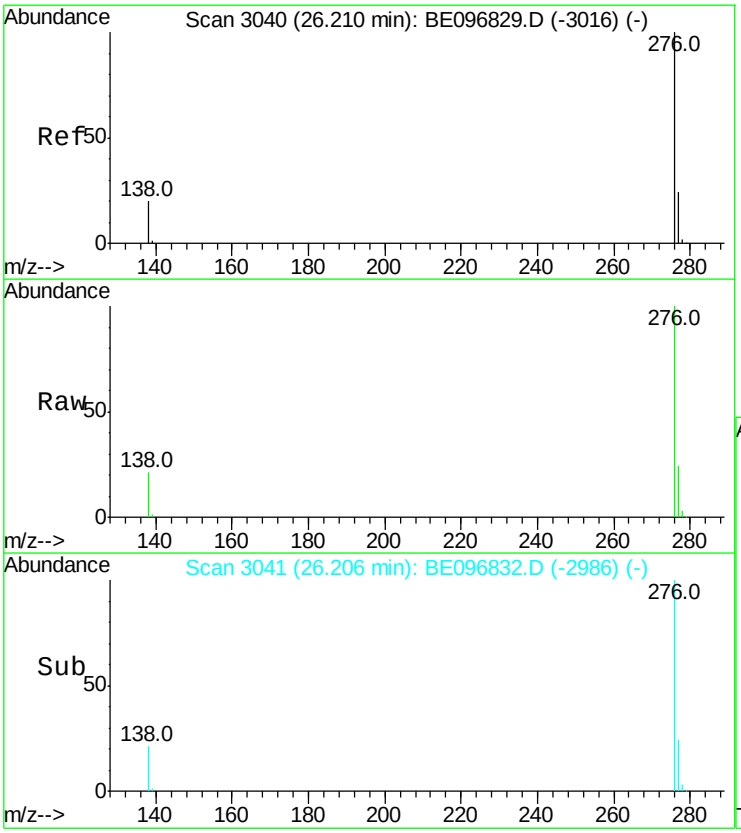
#38
Dibenzo(a,h)anthracene
Concen: 4.120 ng
RT: 25.54 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 129166

Ion	Ratio	Lower	Upper
278	100		
139	15.7	16.0	24.0#
279	23.5	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 3.769 ng
RT: 26.21 min Scan# 3041
Delta R.T. -0.00 min
Lab File: BE096832.D
Acq: 20 Jun 2018 12:49

Tgt Ion:276 Resp: 128795

Ion	Ratio	Lower	Upper
276	100		
277	24.1	16.0	24.0#
138	21.3	20.0	30.0