Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097032.D
Acq On : 23 Jul 2018 11:34
Operator : SJ/JU
Sample : J4014-09MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE104D3-071318MSD

Quant Time: Jul 23 12:14:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1747	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	7775	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	4221	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	12844	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14061	0.40	ng		0.00
34) Perylene-d12	23.21	264	12094	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	668	0.16	ng		0.00
5) Phenol-d6	6.60	99	545	0.09	ng		0.00
8) Nitrobenzene-d5	8.52	82	2455	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4752	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	400	0.43	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	8228	0.52	ng		0.00
25) Fluoranthene-d10	18.81	212	60328	0.54	ng		0.00
29) Terphenyl-d14	19.43	244	12868	0.47	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	1190	0.476	ng		93
3) n-Nitrosodimethylamine	3.38	42	455	0.162	ng	#	88
6) bis(2-Chloroethyl)ether	6.84	93	2267	0.362	ng		97
9) Naphthalene	10.20	128	28754	0.413	ng		99
10) Hexachlorobutadiene	10.50	225	1172	0.417	ng		97
12) 2-Methylnaphthalene	11.80	142	4649	0.394	ng		97
16) Acenaphthylene	13.74	152	7173	0.372	ng		100
17) Acenaphthene	14.08	154	4353	0.363	ng	#	92
18) Fluorene	15.08	166	5959	0.443	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	2244	0.369	ng	#	84
21) Hexachlorobenzene	16.08	284	2232	0.331	ng	#	83
22) Pentachlorophenol	16.43	266	642	0.608	ng	#	76
23) Phenanthrene	16.81	178	12716	0.413	ng		99
24) Anthracene	16.90	178	11177	0.418	ng		95
26) Fluoranthene	18.84	202	15847	0.488	ng		98
28) Pyrene	19.20	202	16039	0.386	ng		99
30) Benzo(a)anthracene	20.96	228	14332	0.428	ng		97
31) Chrysene	21.00	228	15349	0.409	ng		97
32) Bis(2-ethylhexyl)phthalate	20.92	149	13974	0.418	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	12653	0.462	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	12174	0.394	ng	#	87
36) Benzo(k)fluoranthene	22.58	252	14680	0.400	ng		97
37) Benzo(a)pyrene	23.11	252	11141	0.418	ng	#	93
38) Dibenzo(a,h)anthracene	25.52	278	10452	0.464	ng		96
39) Benzo(g,h,i)perylene	26.20	276	10462	0.417	ng	#	90

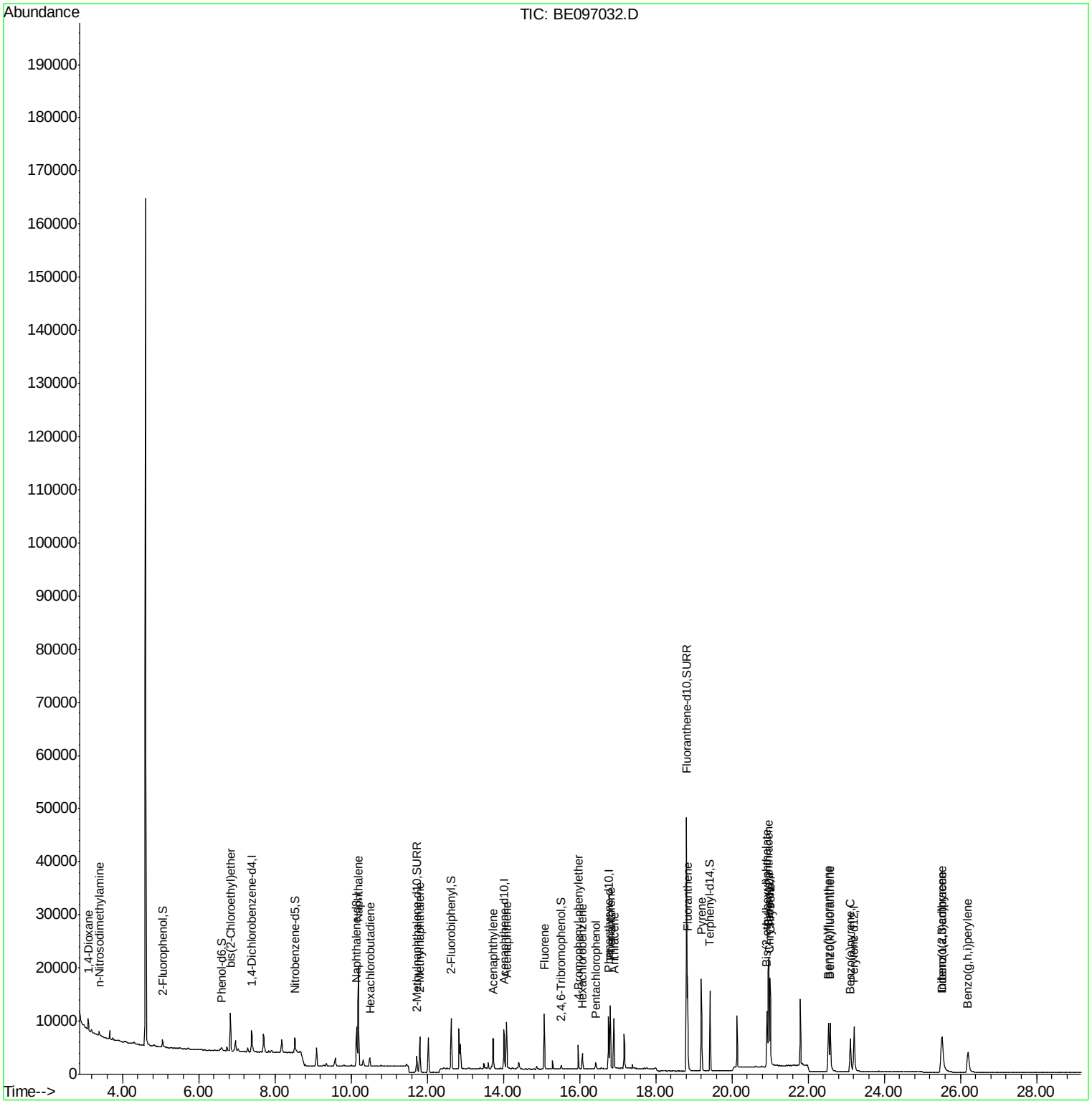
(#) = qualifier out of range (m) = manual integration (+) = signals summed

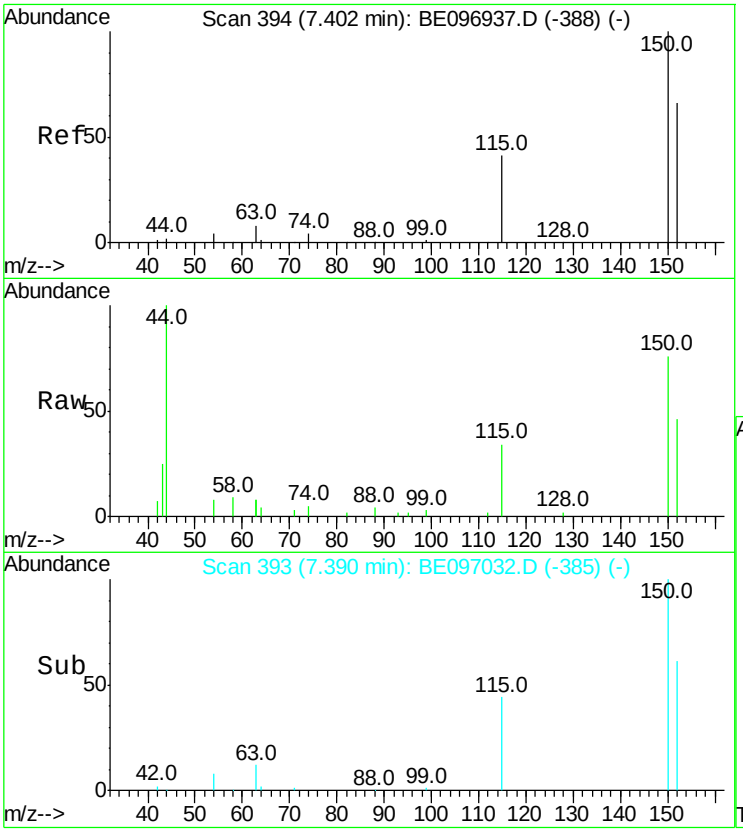
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097032.D
Acq On : 23 Jul 2018 11:34
Operator : SJ/JU
Sample : J4014-09MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Quant Time: Jul 23 12:14:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration



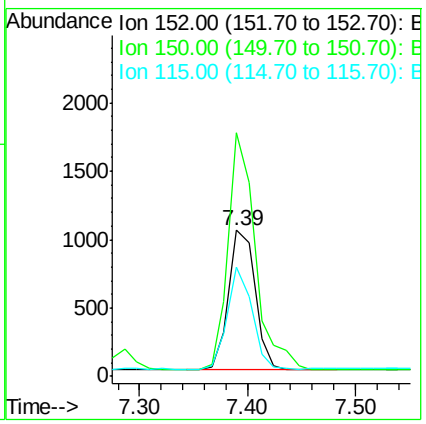


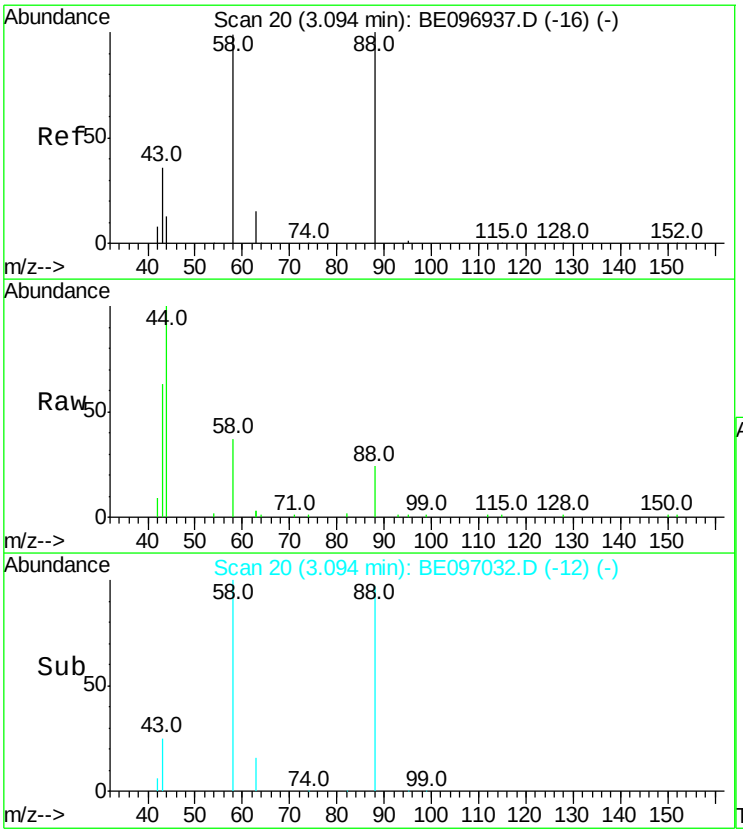
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:152 Resp: 1747

Ion	Ratio	Lower	Upper
152	100		
150	167.1	117.2	175.8
115	74.6	57.0	85.6

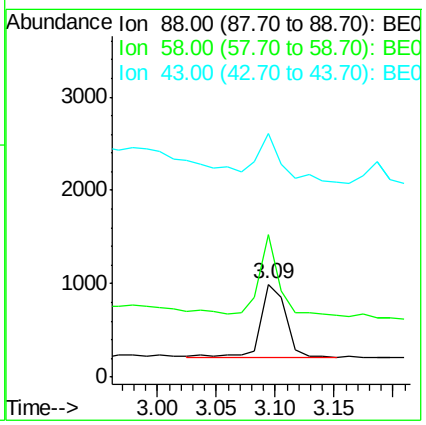


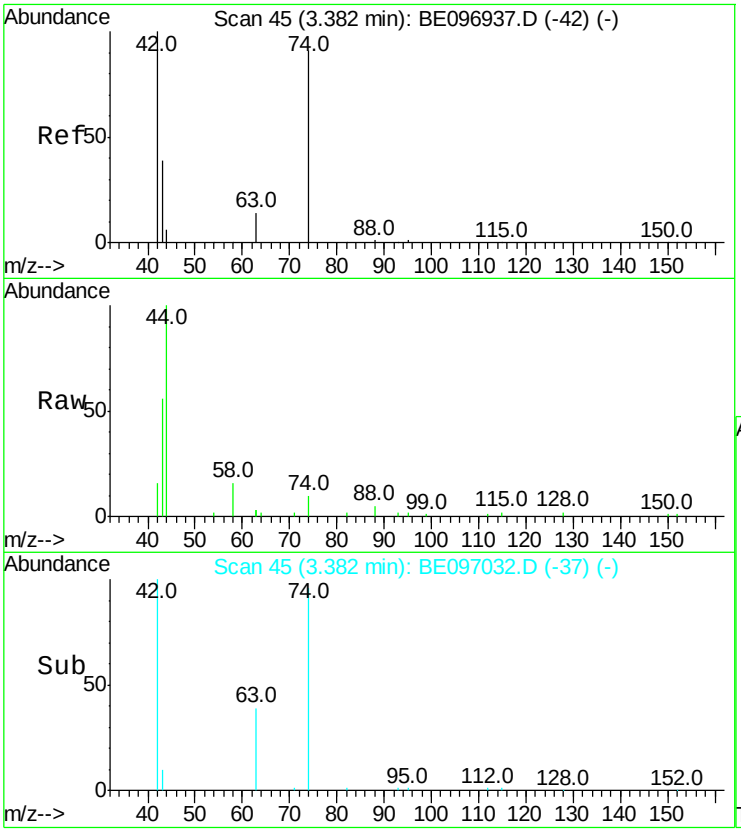


#2
1,4-Dioxane
Concen: 0.476 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion: 88 Resp: 1190

Ion	Ratio	Lower	Upper
88	100		
58	81.7	63.2	94.8
43	61.2	41.2	61.8



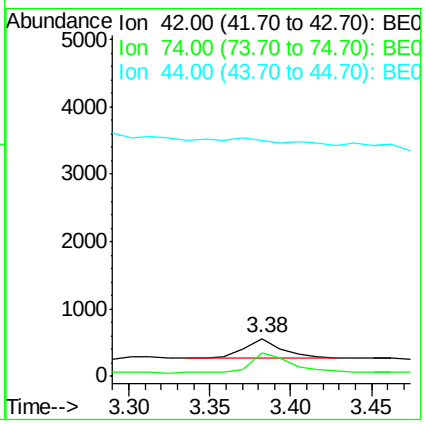


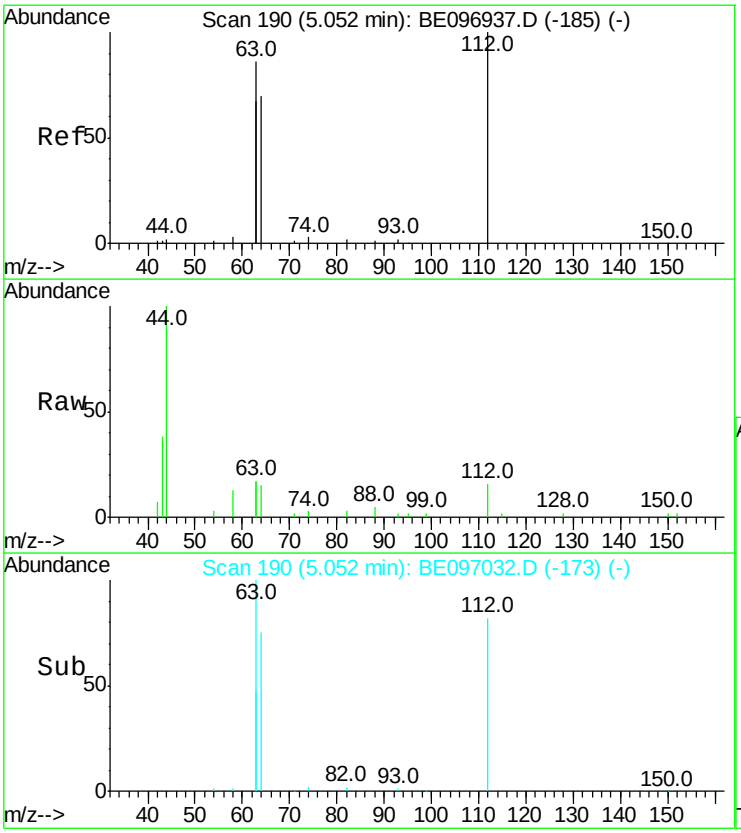
#3
n-Nitrosodimethylamine
Concen: 0.162 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion: 42 Resp: 455

Ion	Ratio	Lower	Upper
42	100		
74	109.5	96.0	144.0
44	0.0	12.0	18.0#

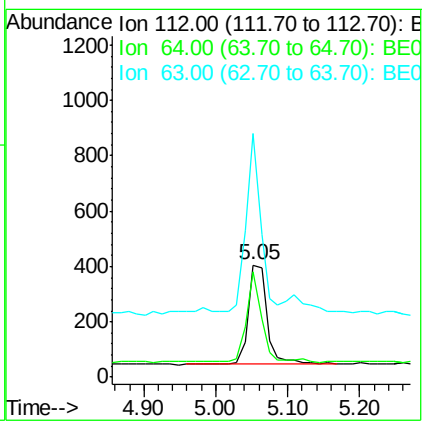


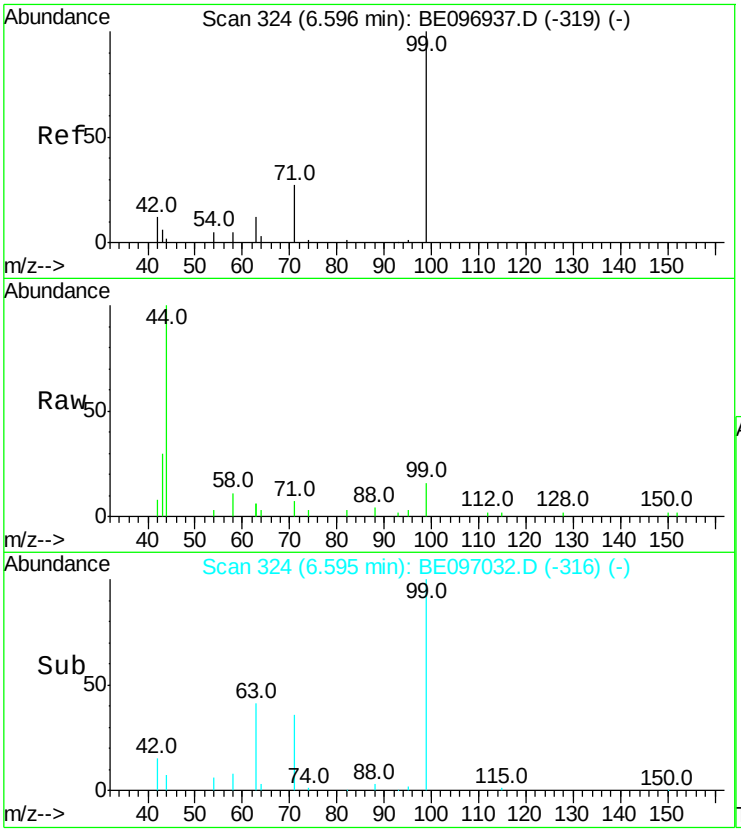


#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:112 Resp: 668

Ion	Ratio	Lower	Upper
112	100		
64	72.9	60.1	90.1
63	141.8	116.8	175.2



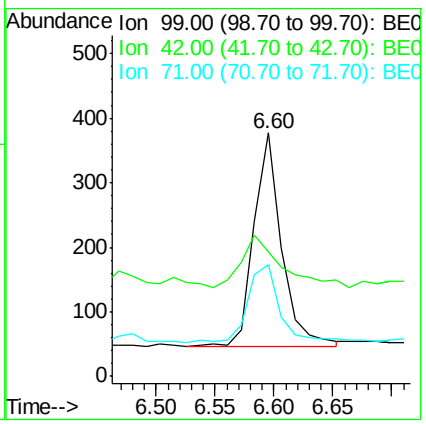


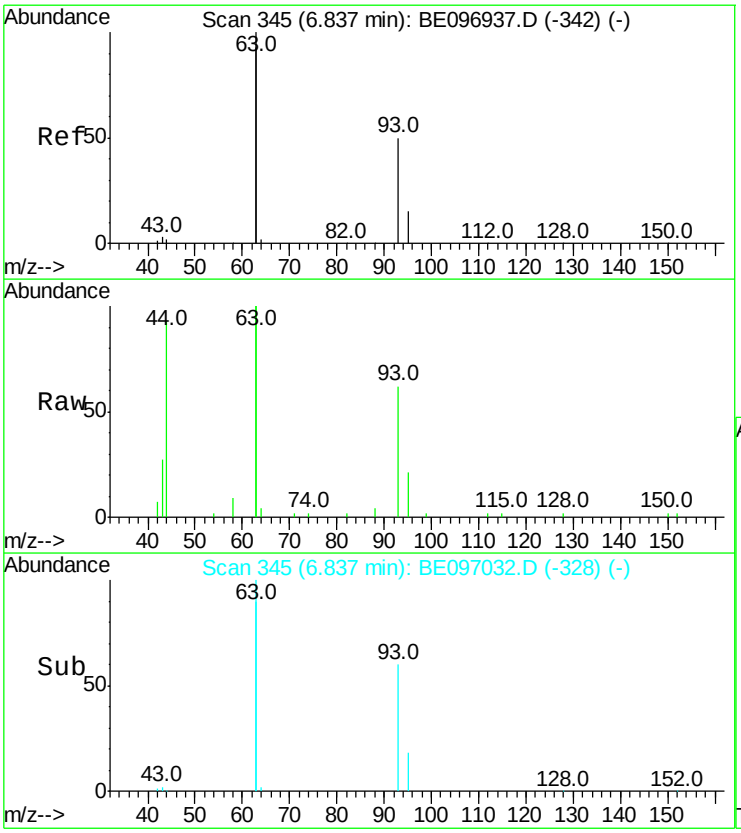
#5
Phenol-d6
Concen: 0.085 ng
RT: 6.60 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion: 99 Resp: 545

Ion	Ratio	Lower	Upper
99	100		
42	33.4	20.2	30.2#
71	41.1	28.4	42.6

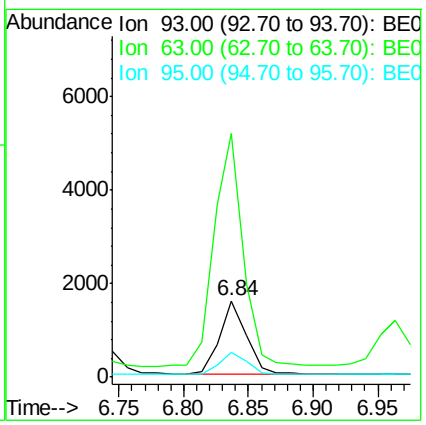


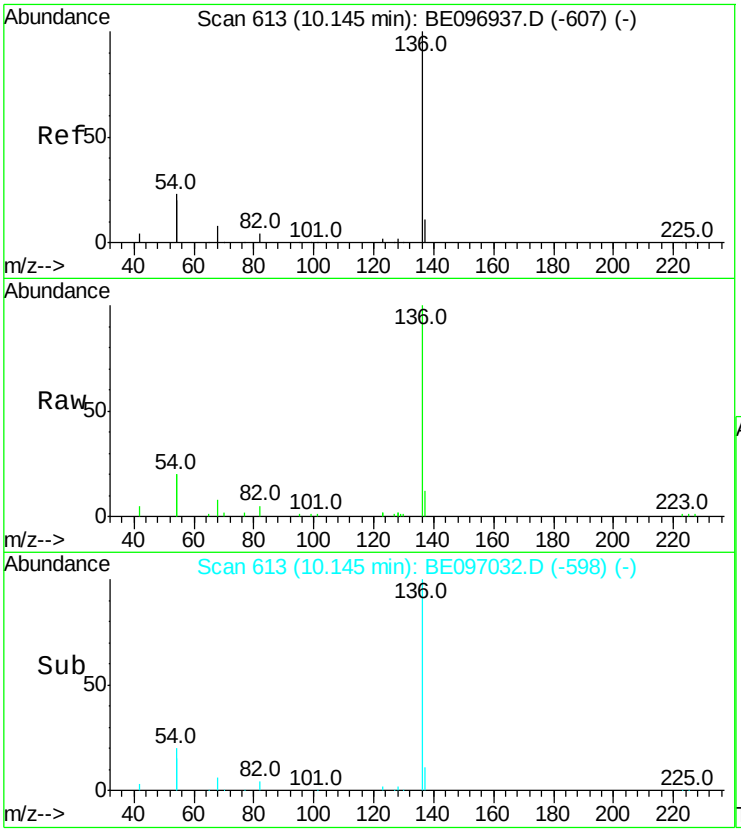


#6
bis(2-Chloroethyl)ether
Concen: 0.362 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion: 93 Resp: 2267

Ion	Ratio	Lower	Upper
93	100		
63	338.7	275.3	412.9
95	32.8	25.2	37.8



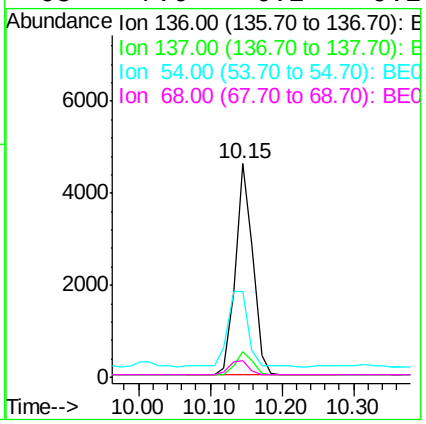


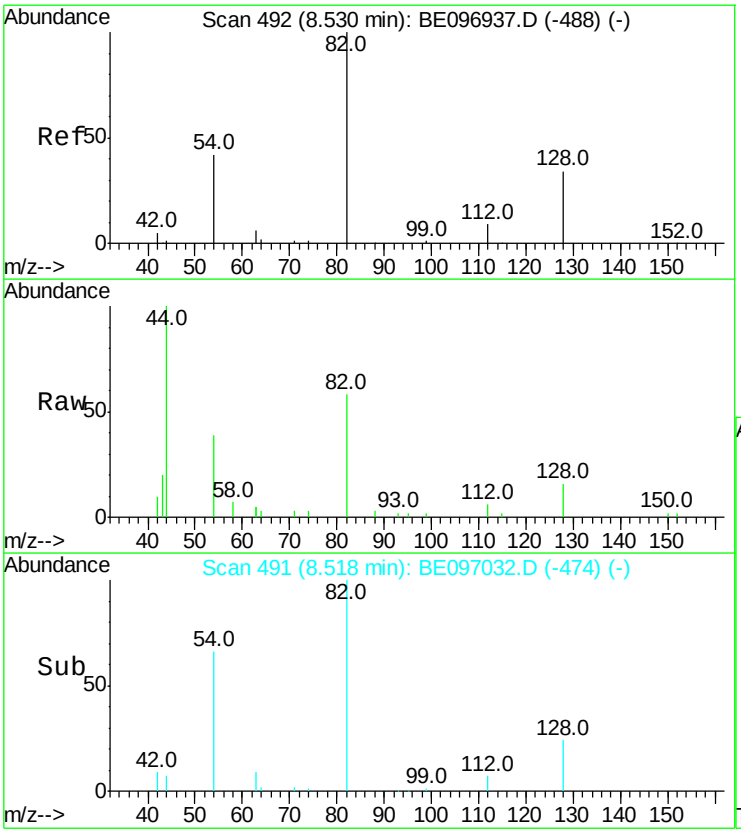
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:136 Resp: 7775

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	39.9	29.1	43.7
68	7.6	6.2	9.2

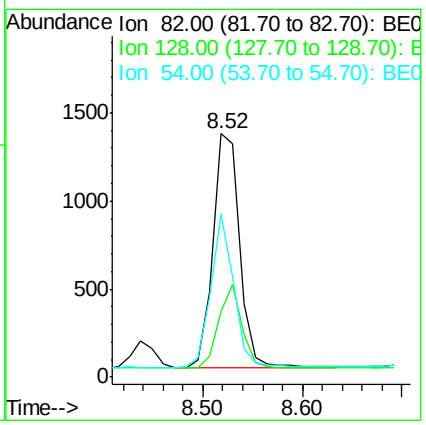


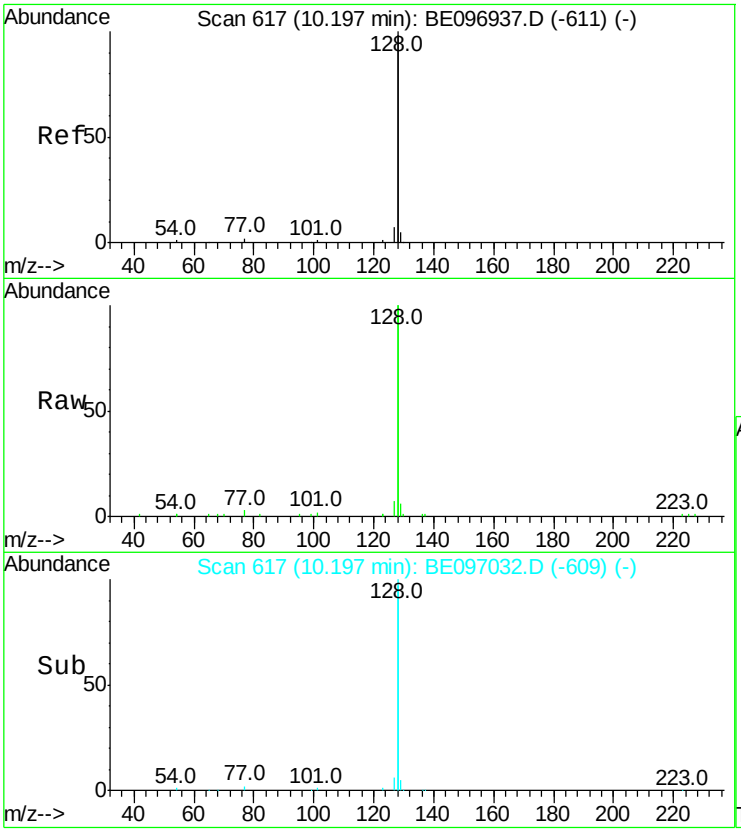


#8
Nitrobenzene-d5
Concen: 0.433 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion: 82 Resp: 2455

Ion	Ratio	Lower	Upper
82	100		
128	26.9	24.0	36.0
54	67.1	40.0	60.0#



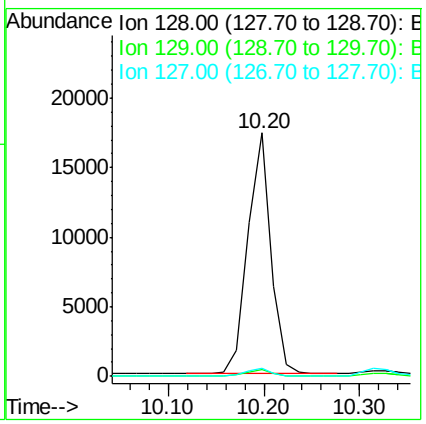


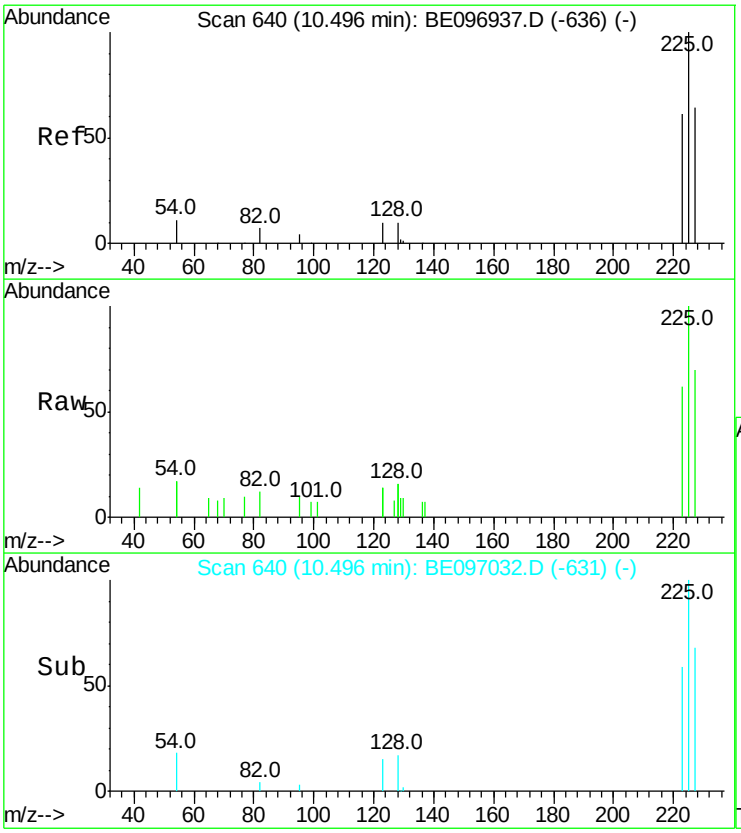
#9
Naphthalene
Concen: 0.413 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:128 Resp: 28754

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.3	2.8	4.2

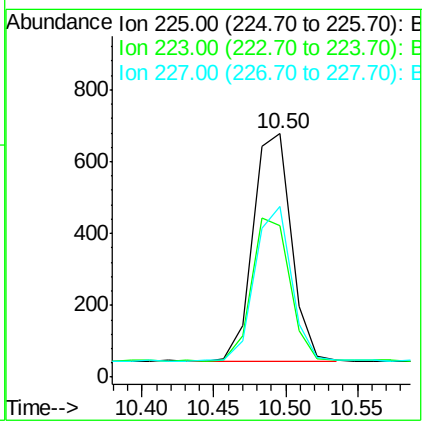


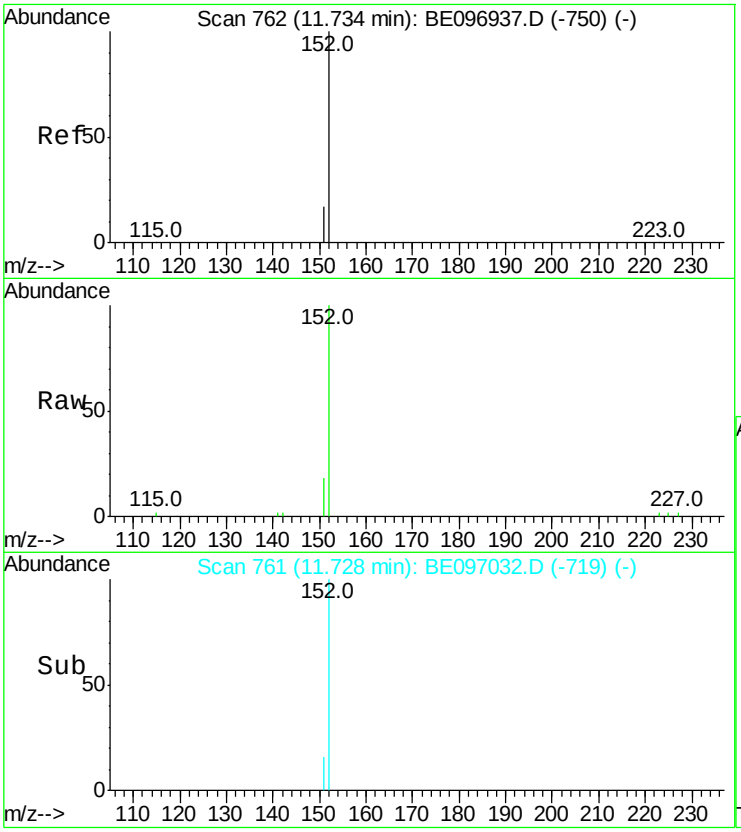


#10
Hexachlorobutadiene
Concen: 0.417 ng
RT: 10.50 min Scan# 640
Delta R.T. 0.01 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:225 Resp: 1172

Ion	Ratio	Lower	Upper
225	100		
223	62.5	53.0	79.6
227	64.9	51.4	77.2



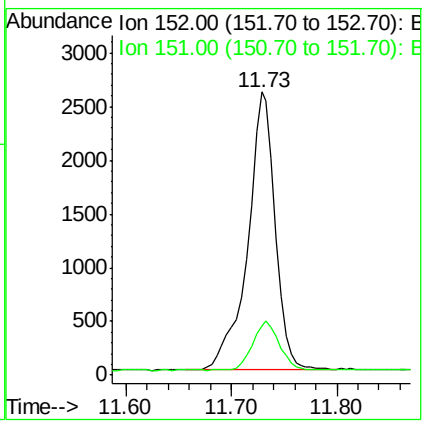


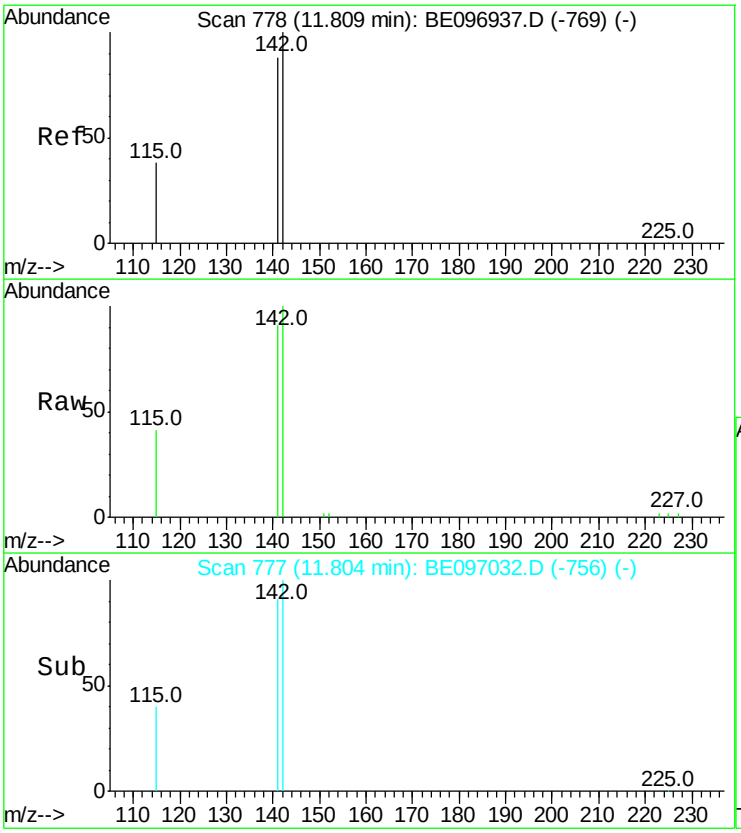
#11
2-Methylnaphthalene-d10
Concen: 0.419 ng
RT: 11.73 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:152 Resp: 4752

Ion	Ratio	Lower	Upper
152	100		
151	17.3	15.4	23.0

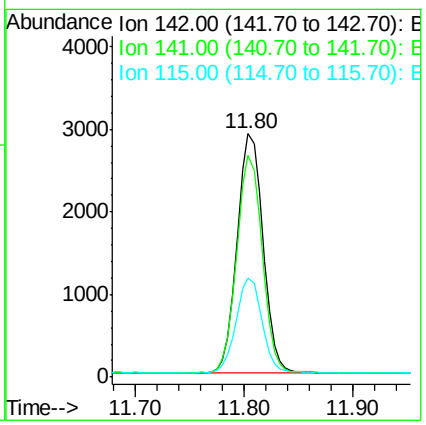


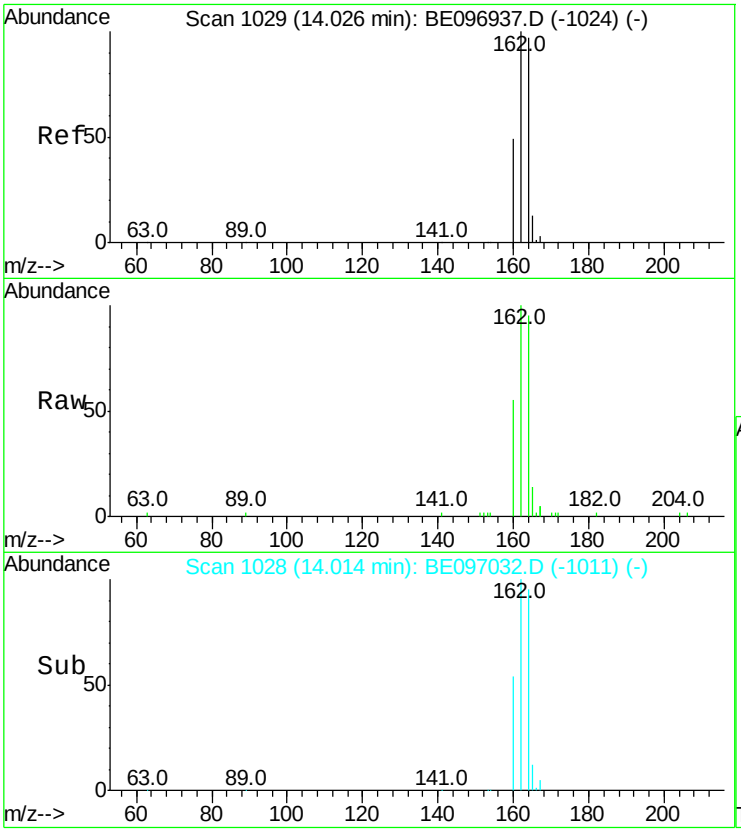


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 11.80 min Scan# 777
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:142 Resp: 4649

Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.4	105.6
115	40.9	31.7	47.5



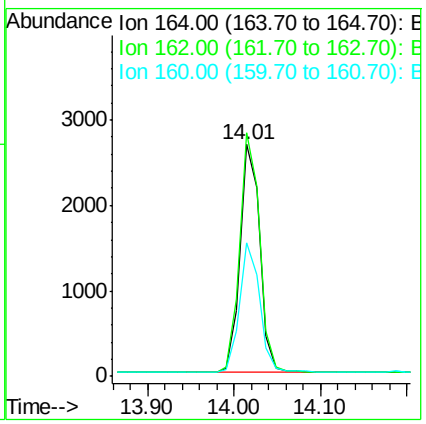


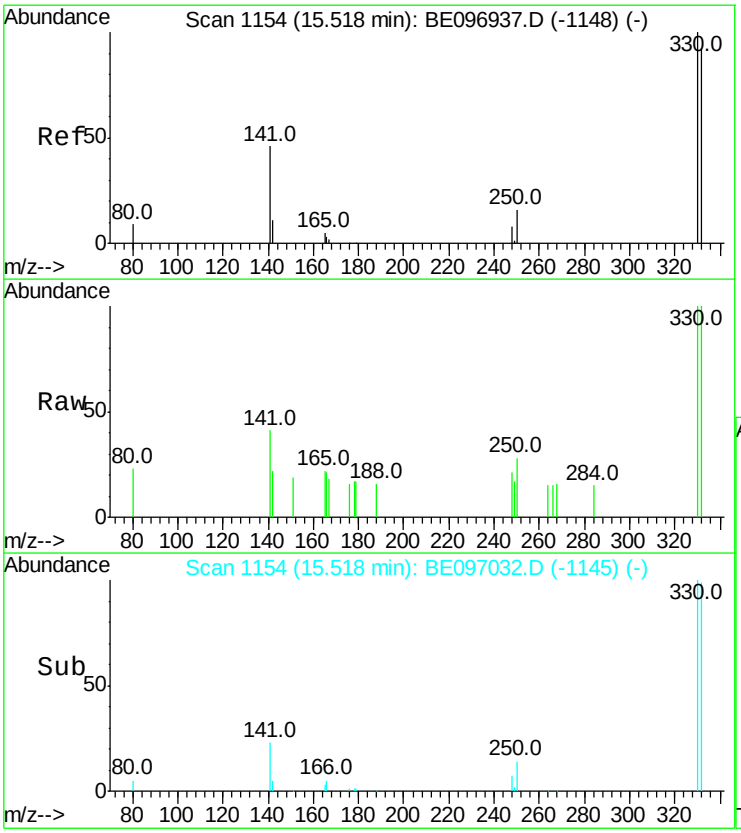
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:164 Resp: 4221

Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.1	124.7
160	57.7	37.1	55.7#

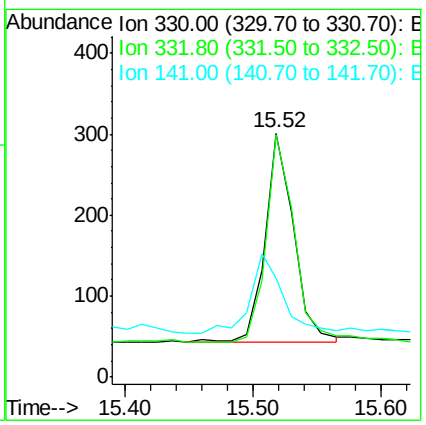


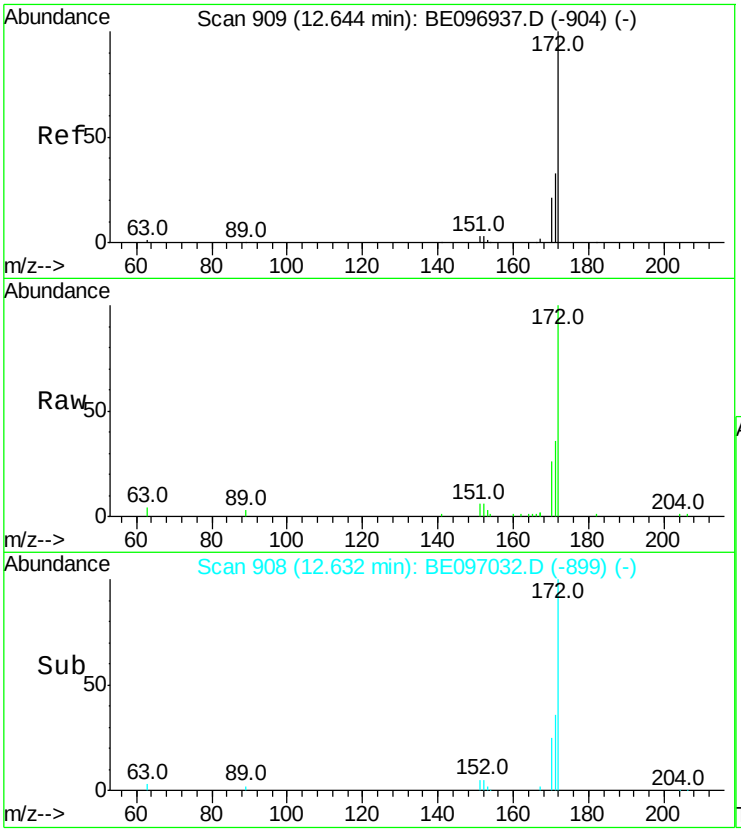


#14
2,4,6-Tribromophenol
Concen: 0.430 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:330 Resp: 400

Ion	Ratio	Lower	Upper
330	100		
332	97.5	152.7	229.1#
141	44.3	33.7	50.5



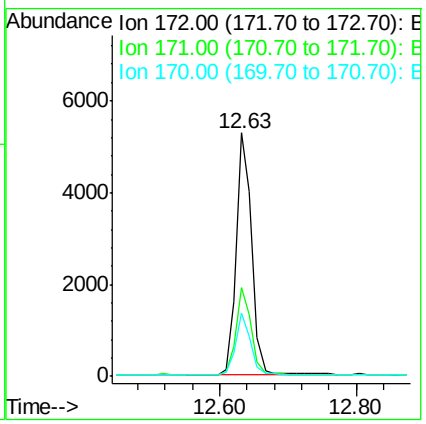


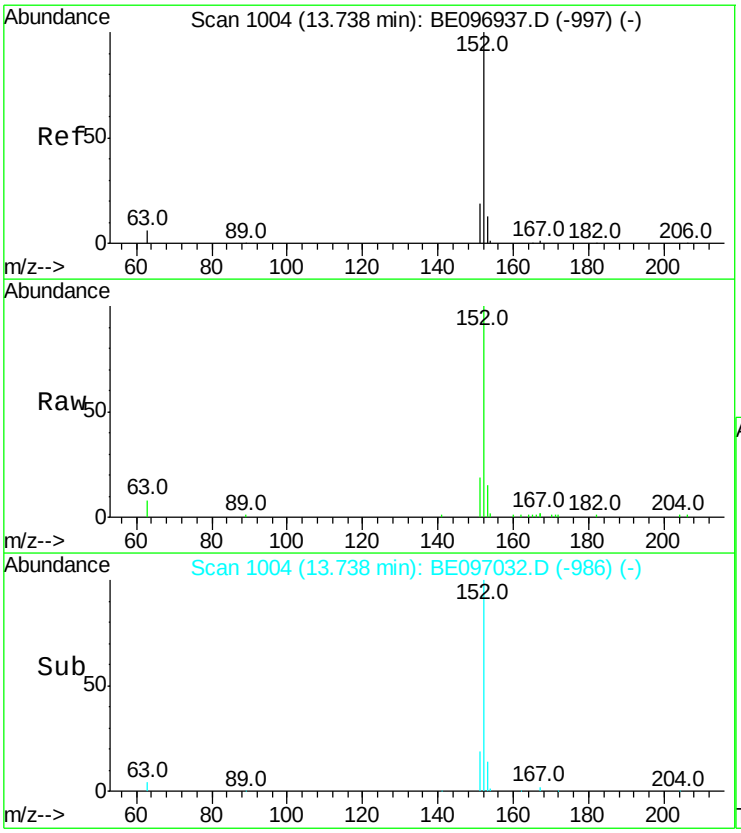
#15
2-Fluorobiphenyl
Concen: 0.524 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:172 Resp: 8228

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	25.7	21.8	32.8

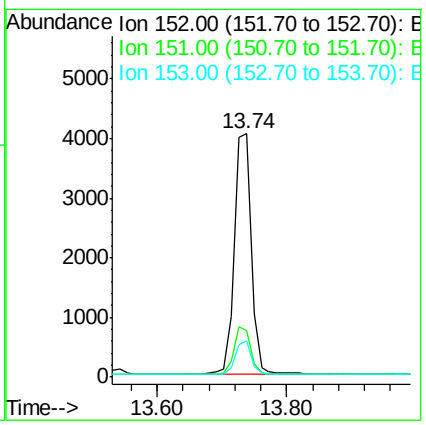


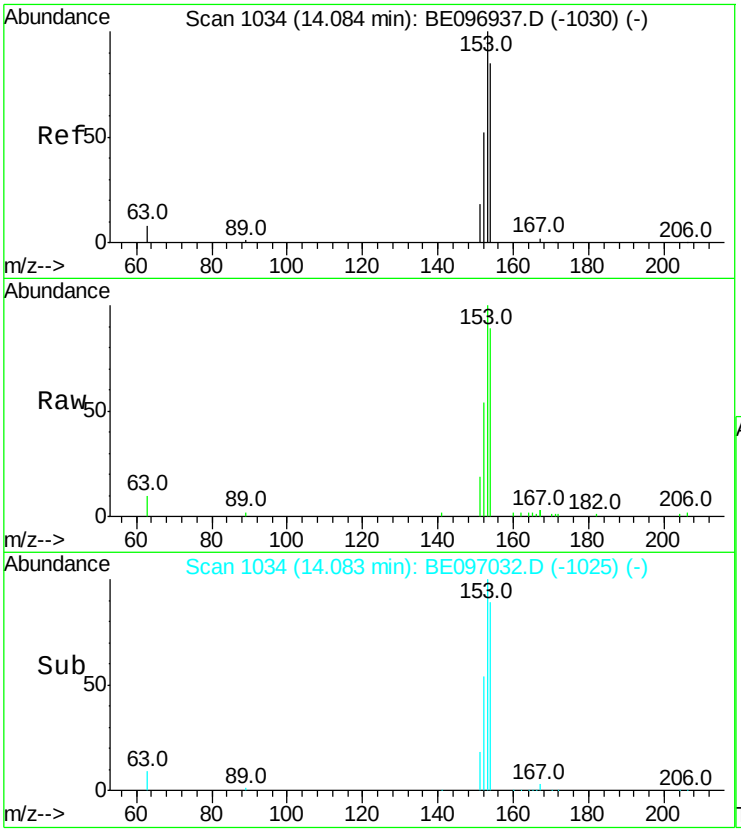


#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:152 Resp: 7173

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.1	10.5	15.7



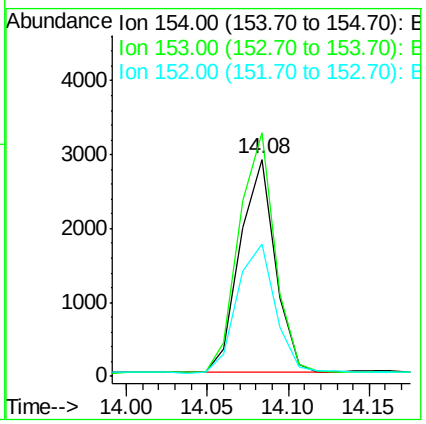


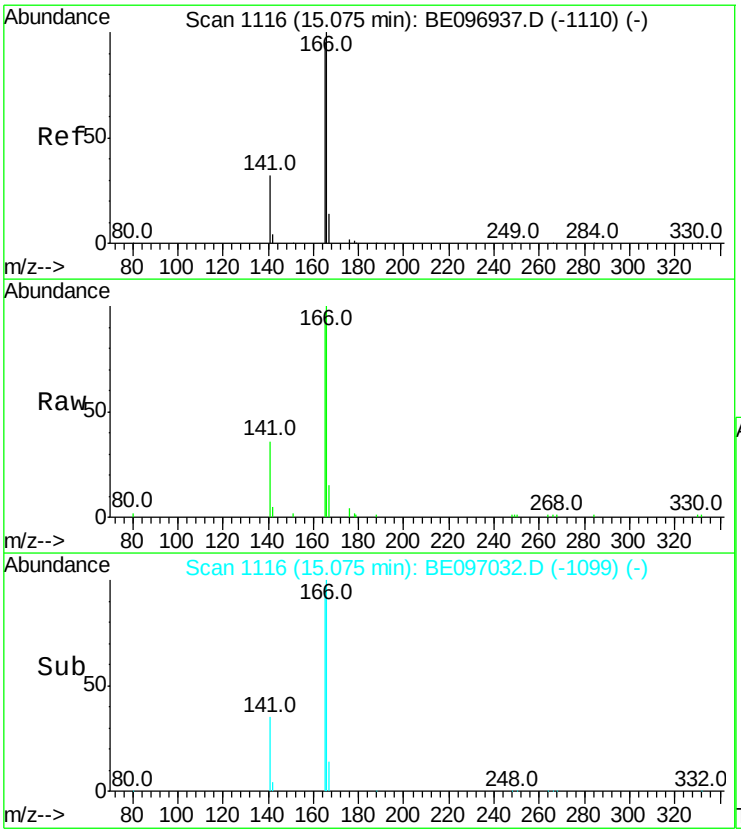
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:154 Resp: 4353

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.2	133.8
152	66.0	42.0	63.0#

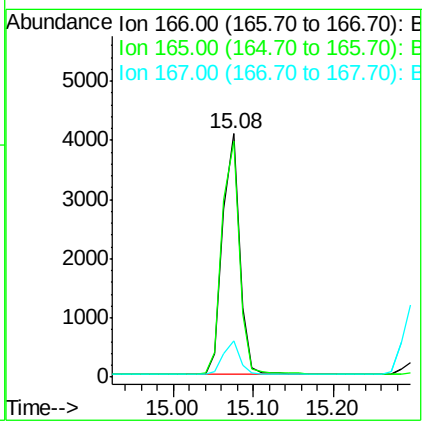


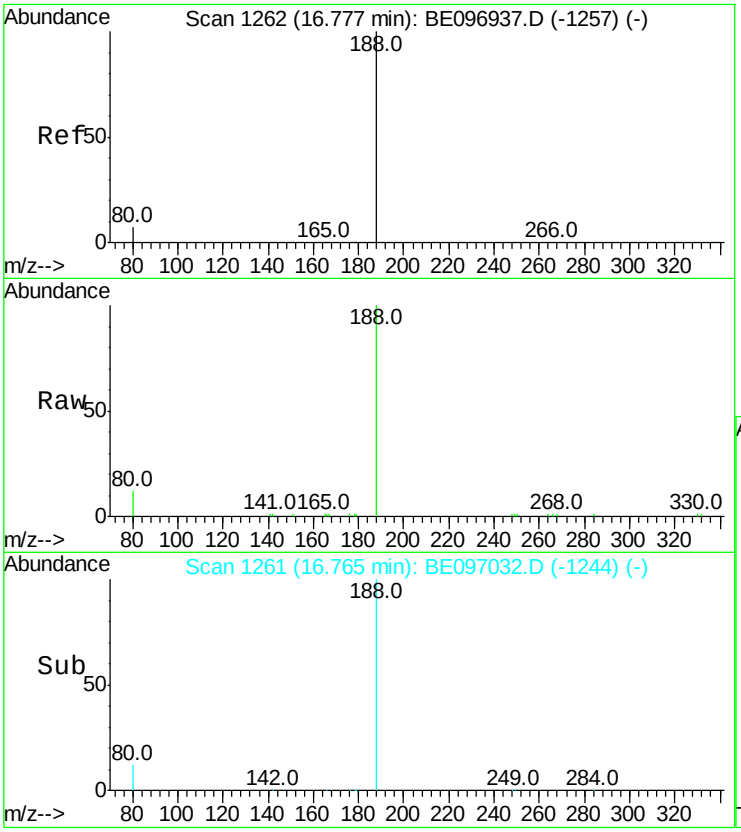


#18
Fluorene
Concen: 0.443 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:166 Resp: 5959

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.6
167	13.8	42.4	63.6#



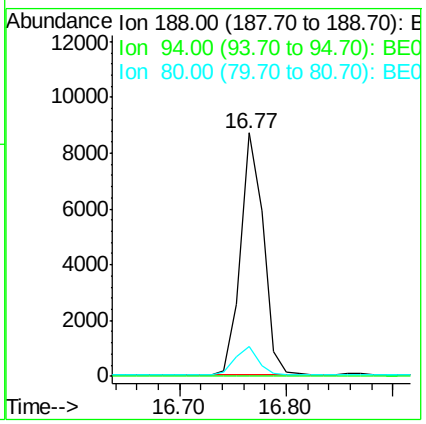


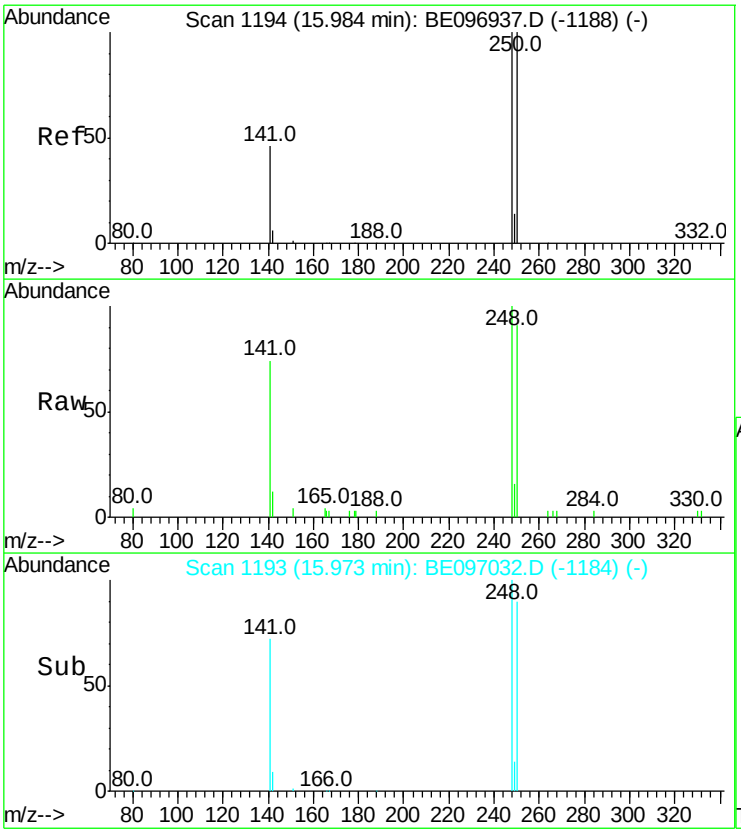
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:188 Resp: 12844

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.2	3.6	5.4#

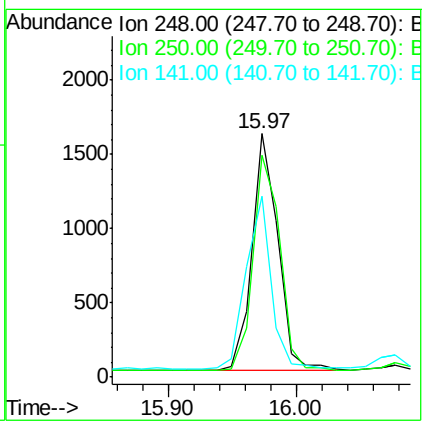


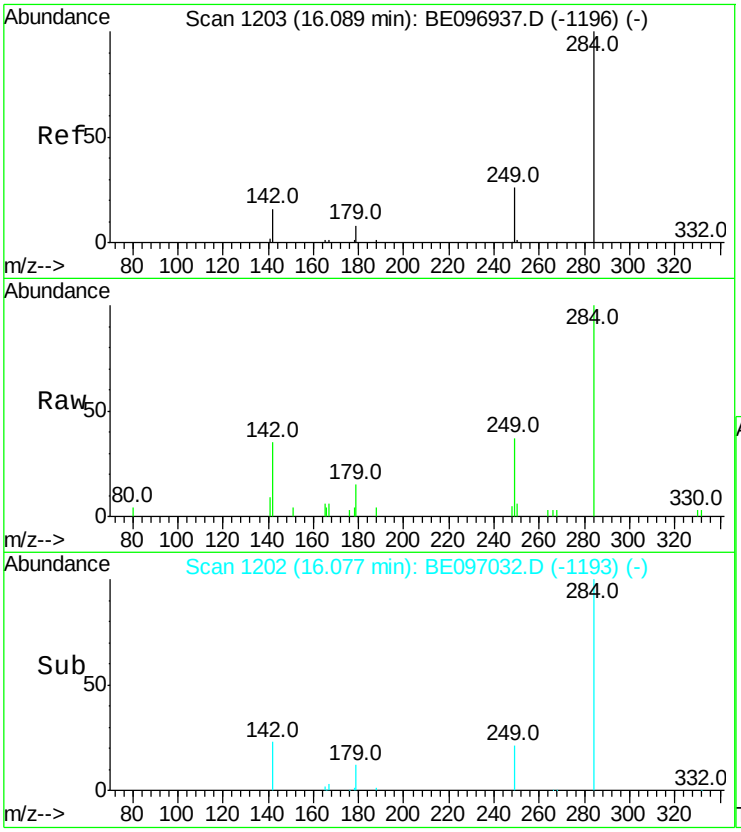


#20
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:248 Resp: 2244

Ion	Ratio	Lower	Upper
248	100		
250	90.9	62.7	94.1
141	74.0	48.2	72.2#



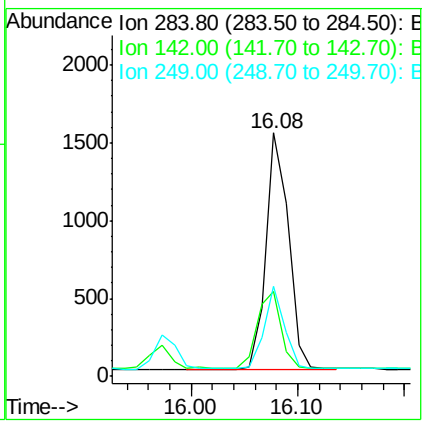


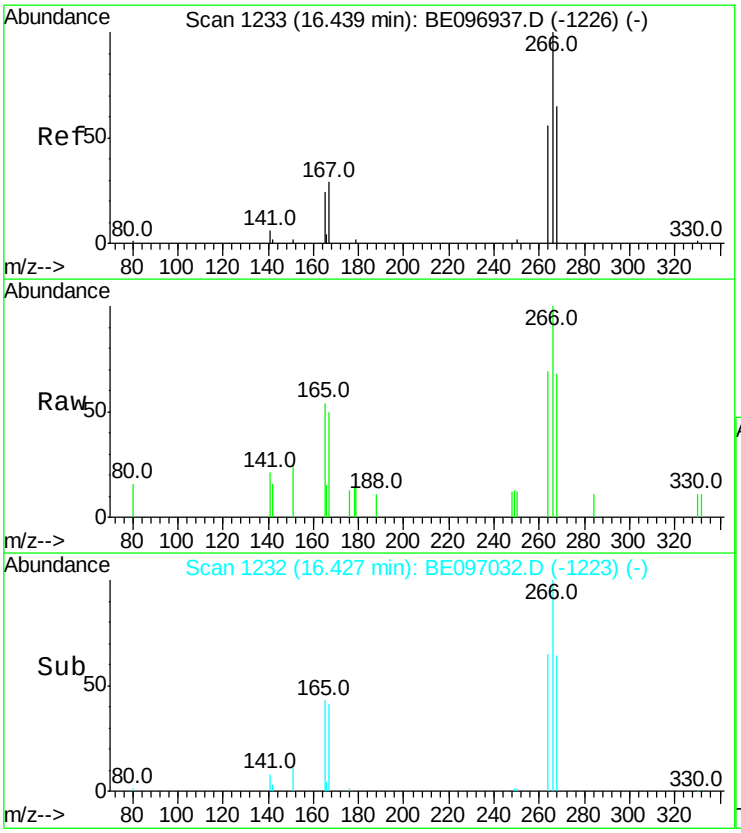
#21
Hexachlorobenzene
Concen: 0.331 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:284 Resp: 2232

Ion	Ratio	Lower	Upper
284	100		
142	35.1	22.1	33.1#
249	31.6	34.8	52.2#

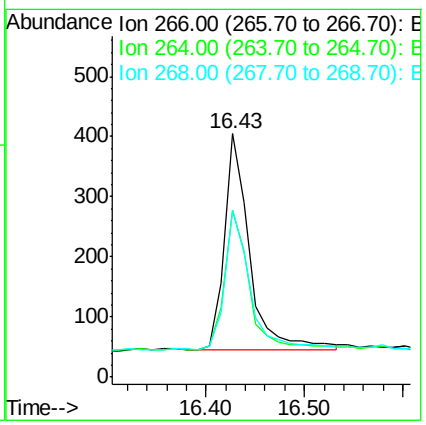


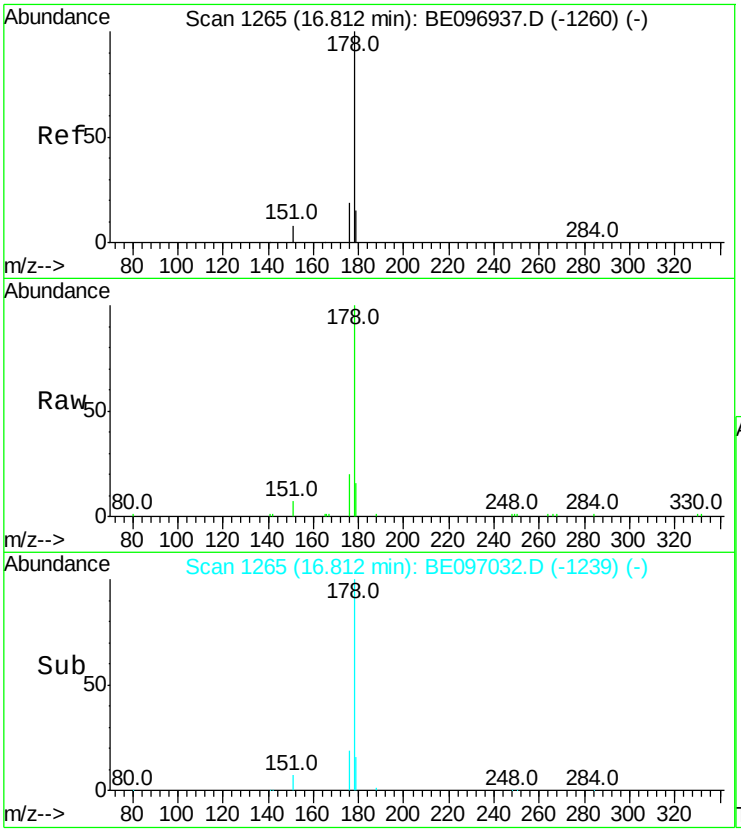


#22
Pentachlorophenol
Concen: 0.608 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:266 Resp: 642

Ion	Ratio	Lower	Upper
266	100		
264	68.6	72.5	108.7#
268	68.4	73.8	110.6#



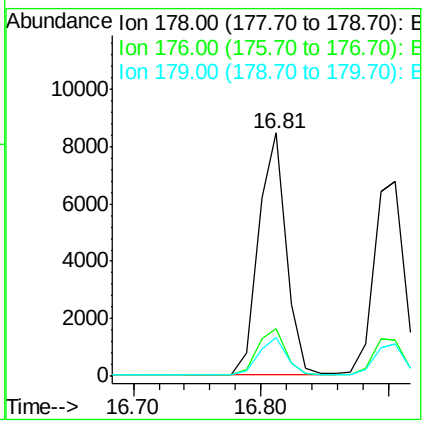


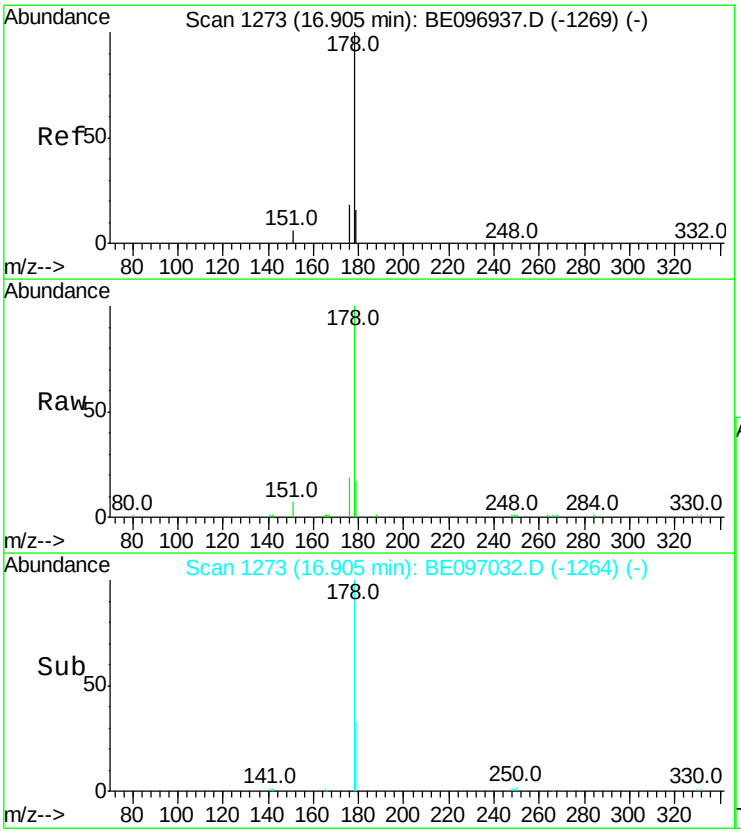
#23
Phenanthrene
Concen: 0.413 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:178 Resp: 12716

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.2	11.8	17.6

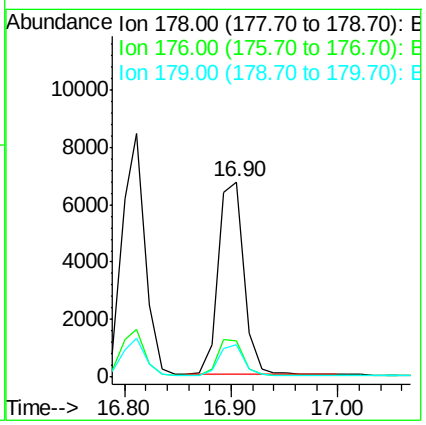


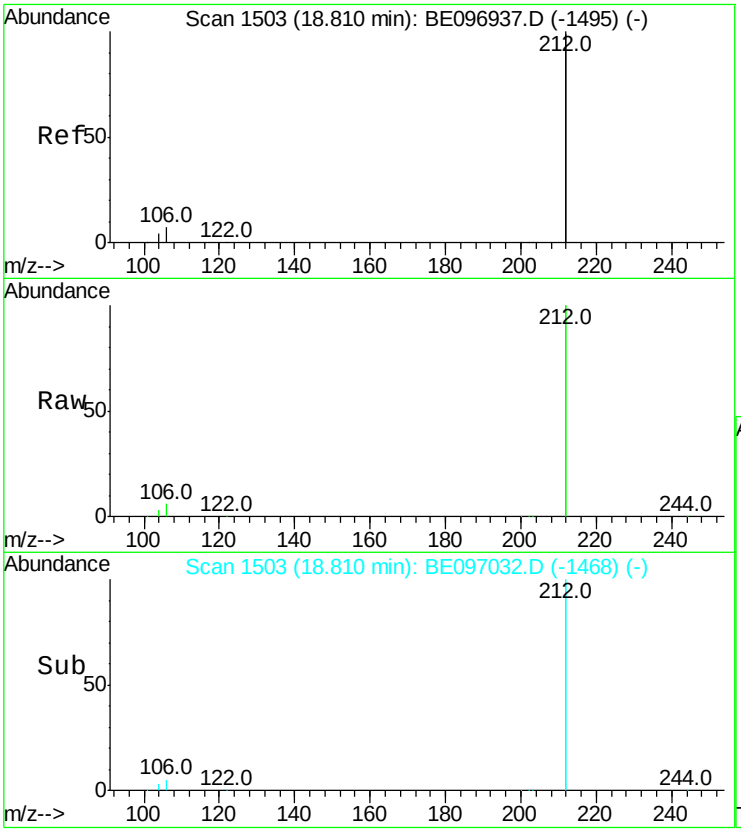


#24
Anthracene
Concen: 0.418 ng
RT: 16.90 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:178 Resp: 11177

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	15.1	13.0	19.6



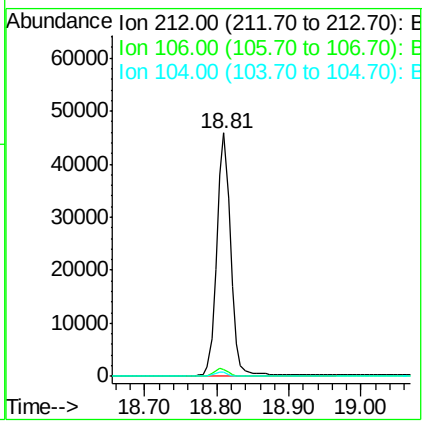


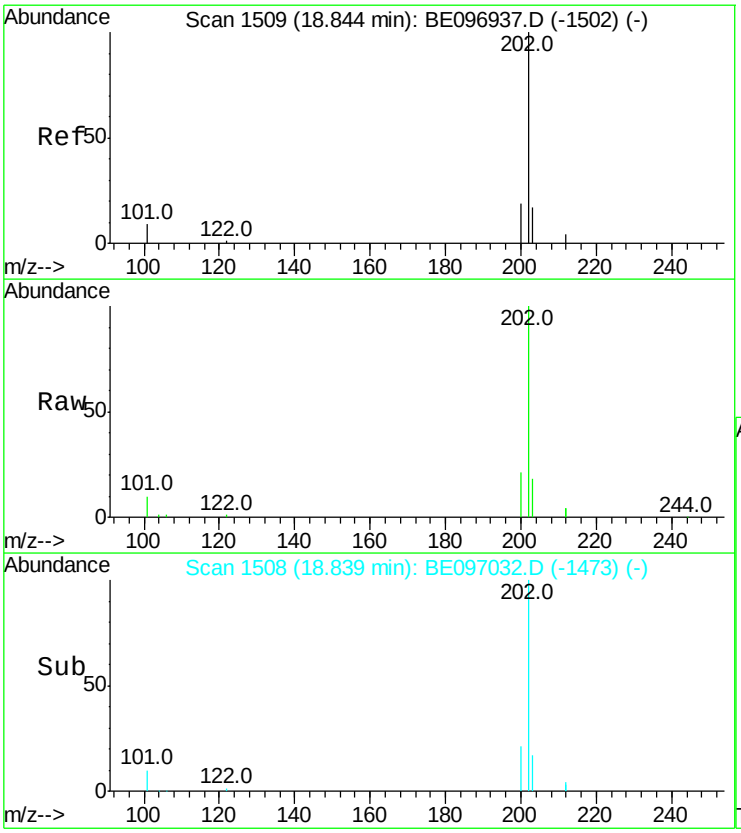
#25
Fluoranthene-d10
Concen: 0.540 ng
RT: 18.81 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:212 Resp: 60328

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.7	1.6	2.4

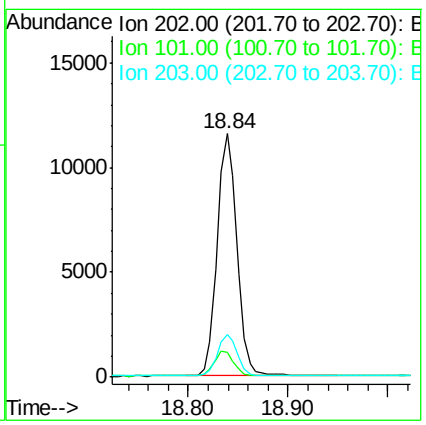


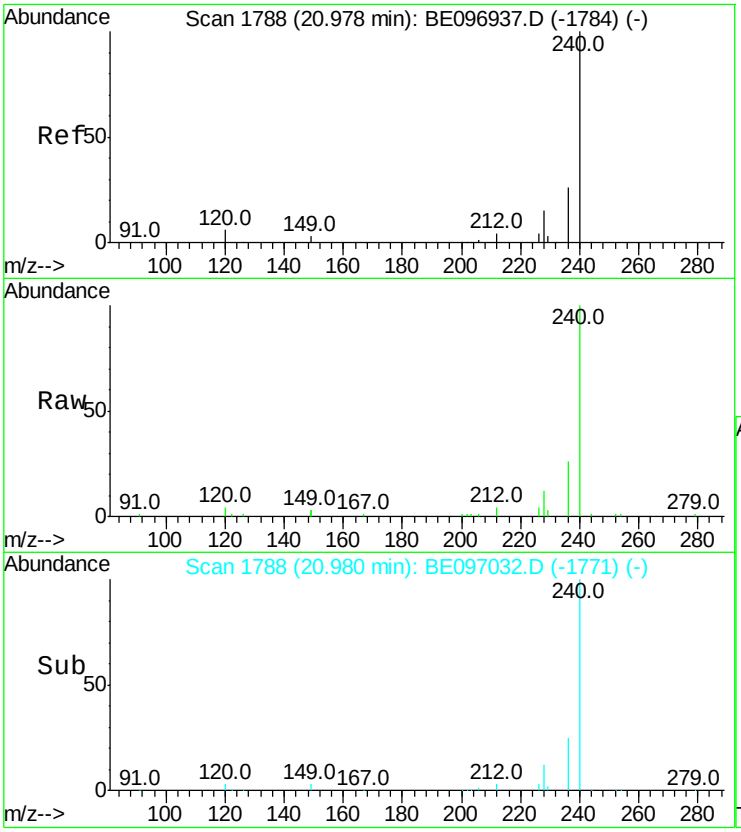


#26
Fluoranthene
Concen: 0.488 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:202 Resp: 15847

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.8
203	17.2	13.7	20.5



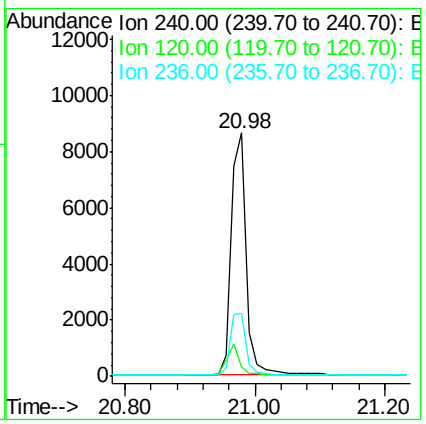


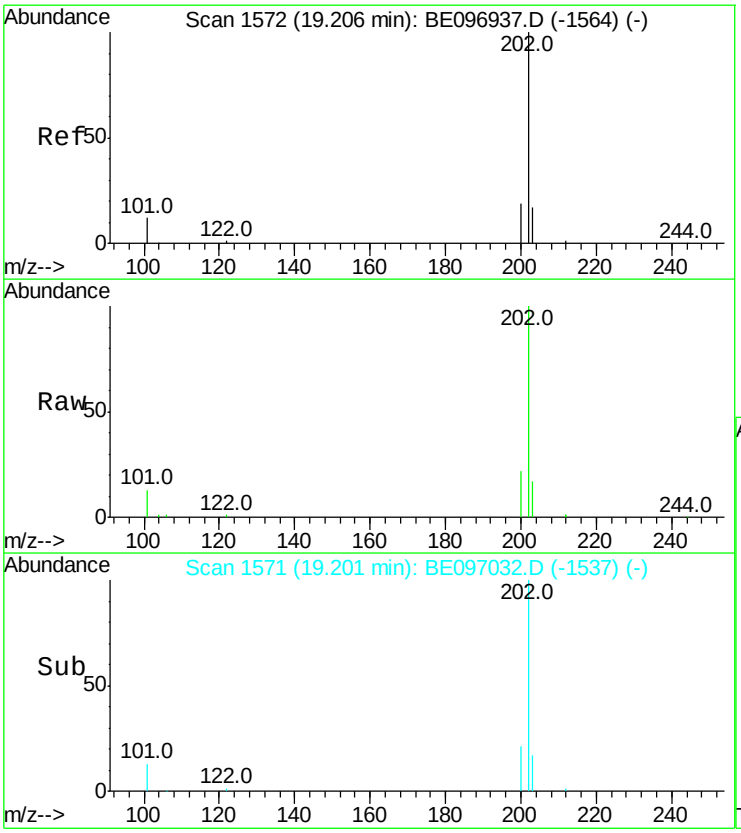
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:240 Resp: 14061

Ion	Ratio	Lower	Upper
240	100		
120	3.8	5.5	8.3#
236	25.7	20.7	31.1

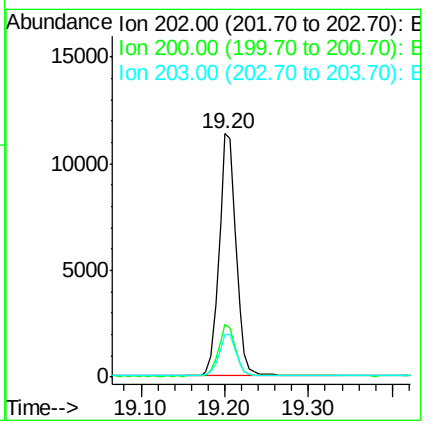


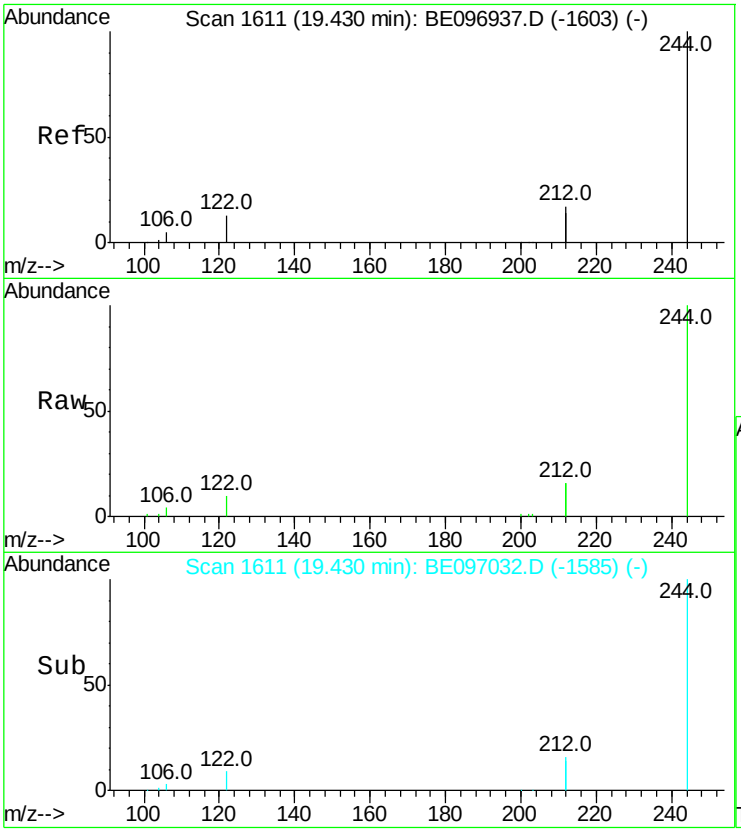


#28
Pyrene
Concen: 0.386 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:202 Resp: 16039

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.6	13.8	20.8



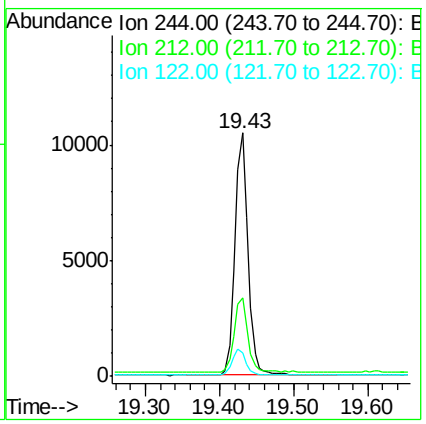


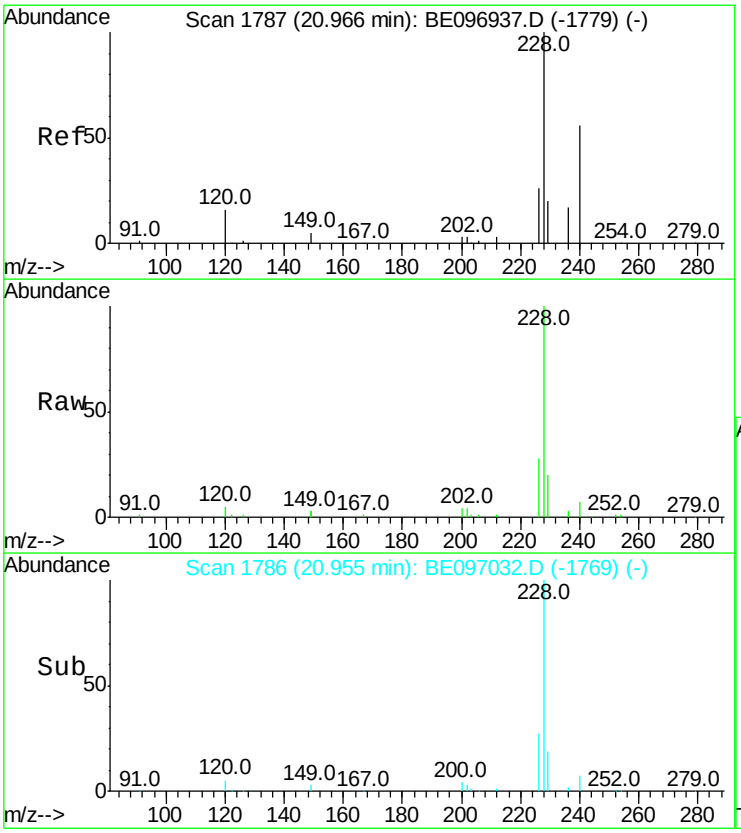
#29
Terphenyl-d14
Concen: 0.474 ng
RT: 19.43 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:244 Resp: 12868

Ion	Ratio	Lower	Upper
244	100		
212	32.4	25.4	38.0
122	9.8	8.1	12.1

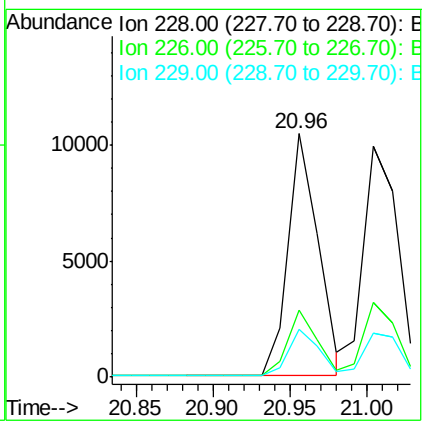


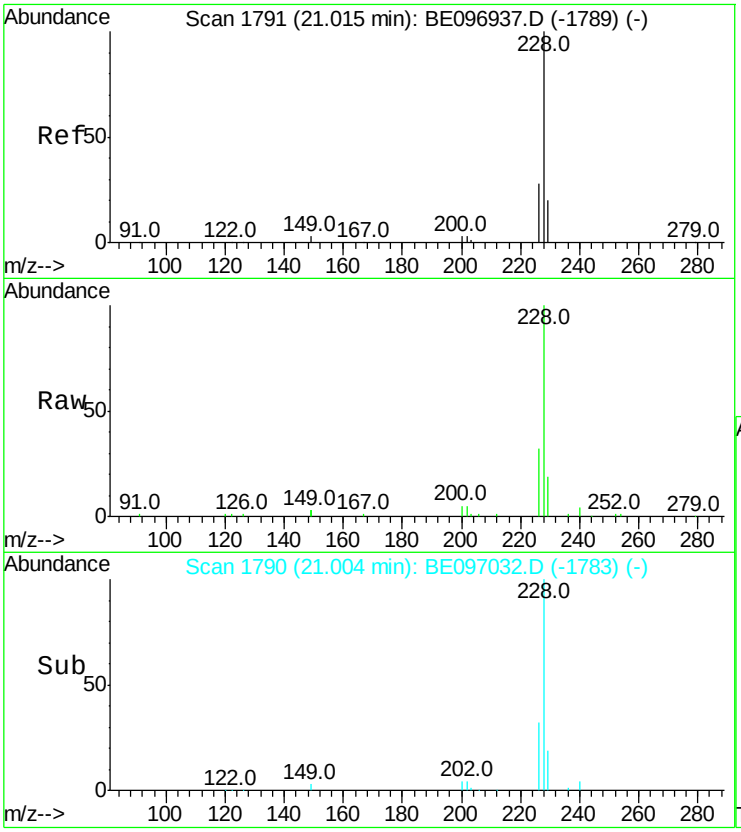


#30
Benzo(a)anthracene
Concen: 0.428 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:228 Resp: 14332

Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.0	36.0
229	19.6	16.0	24.0



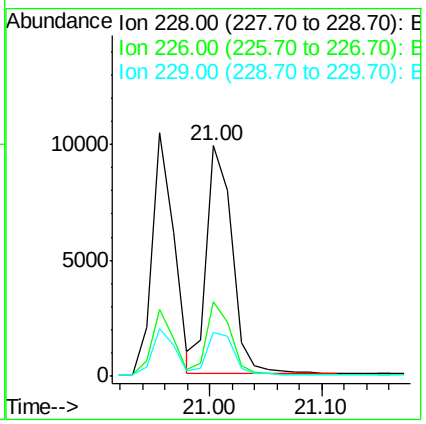


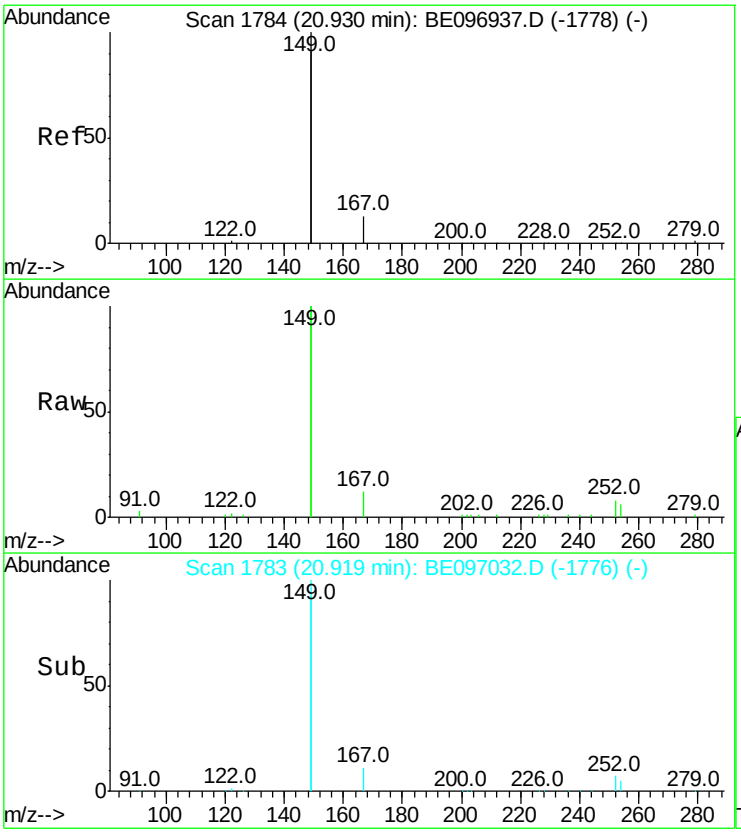
#31
Chrysene
Concen: 0.409 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:228 Resp: 15349

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	19.2	16.0	24.0

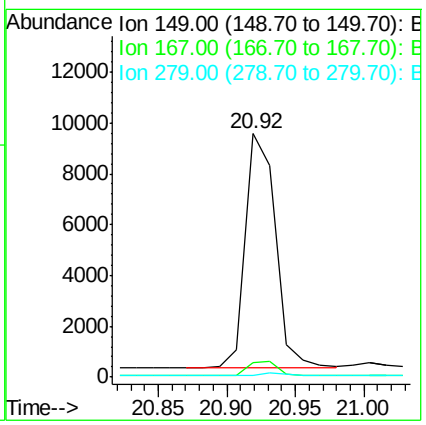


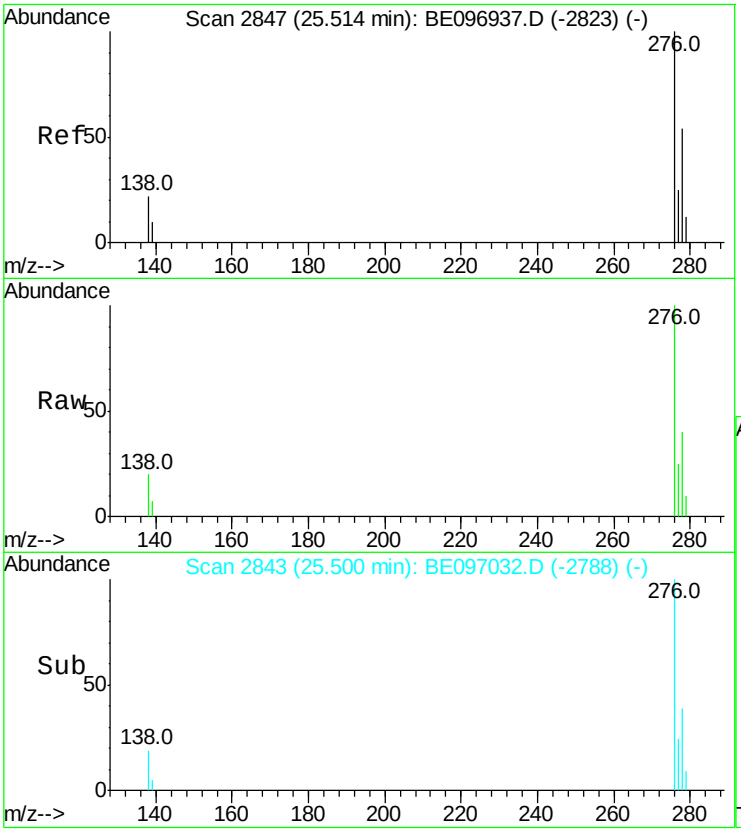


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.418 ng
RT: 20.92 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:149 Resp: 13974

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.4	8.0
279	0.9	0.7	1.1



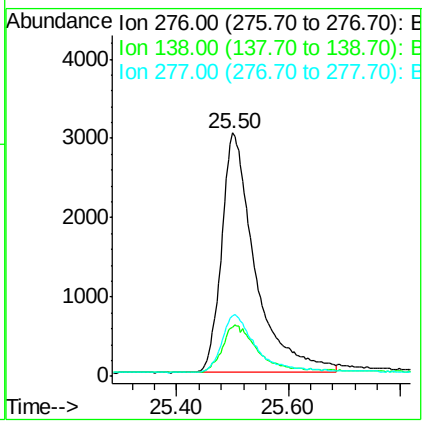


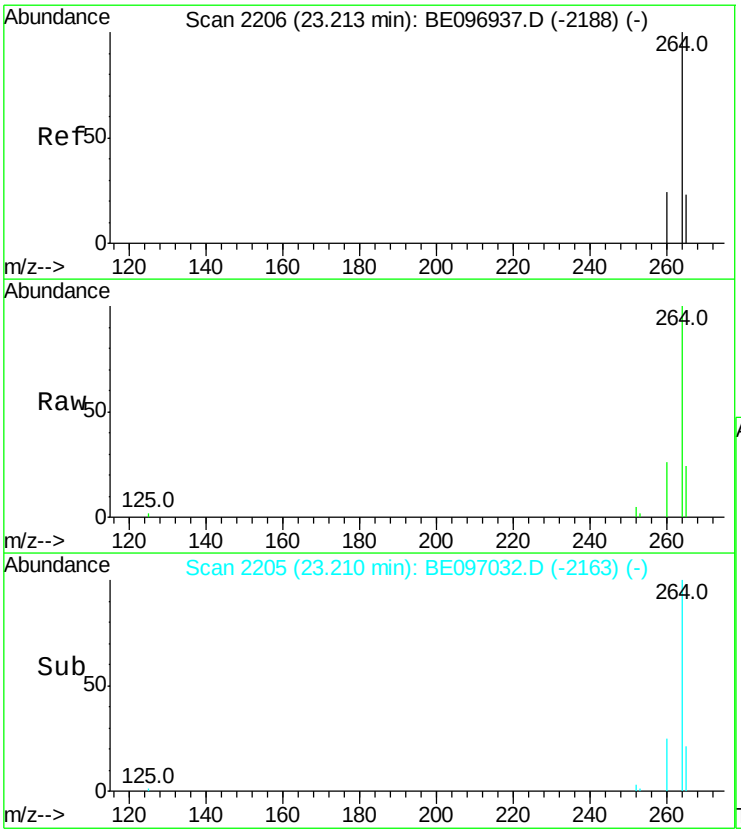
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.462 ng
RT: 25.50 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:276 Resp: 12653

Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.5	33.7#
277	25.0	19.9	29.9

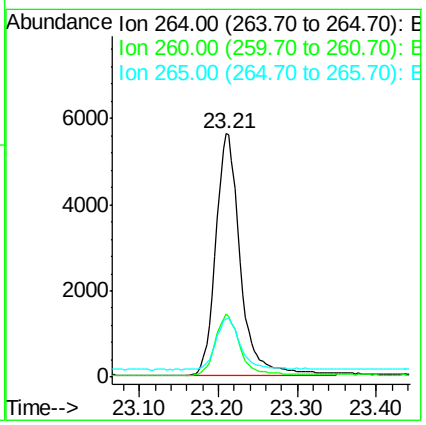


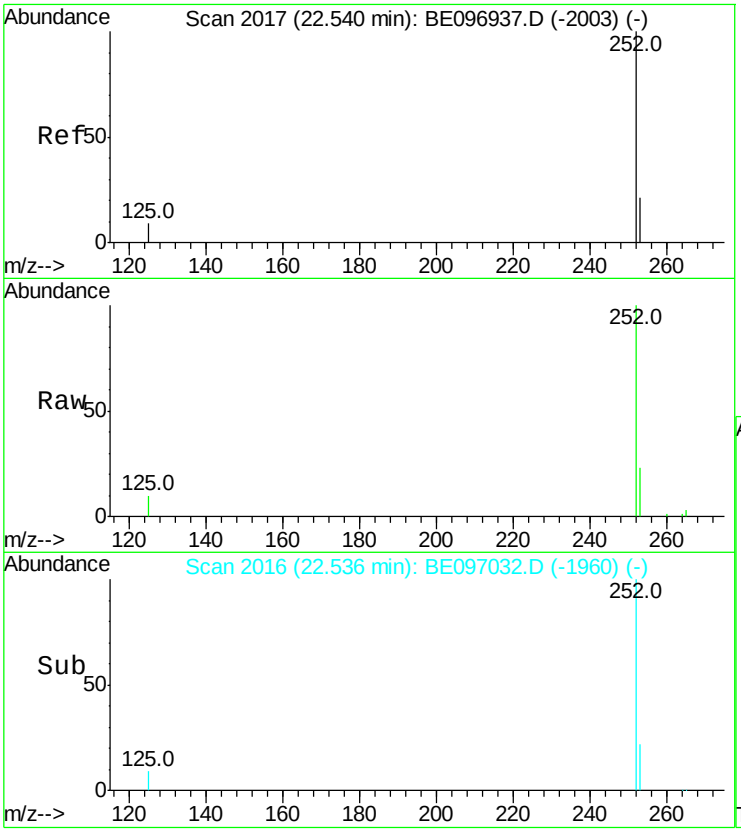


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:264 Resp: 12094

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	24.0	22.8	34.2



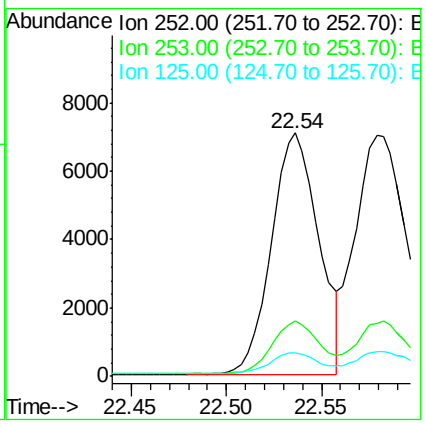


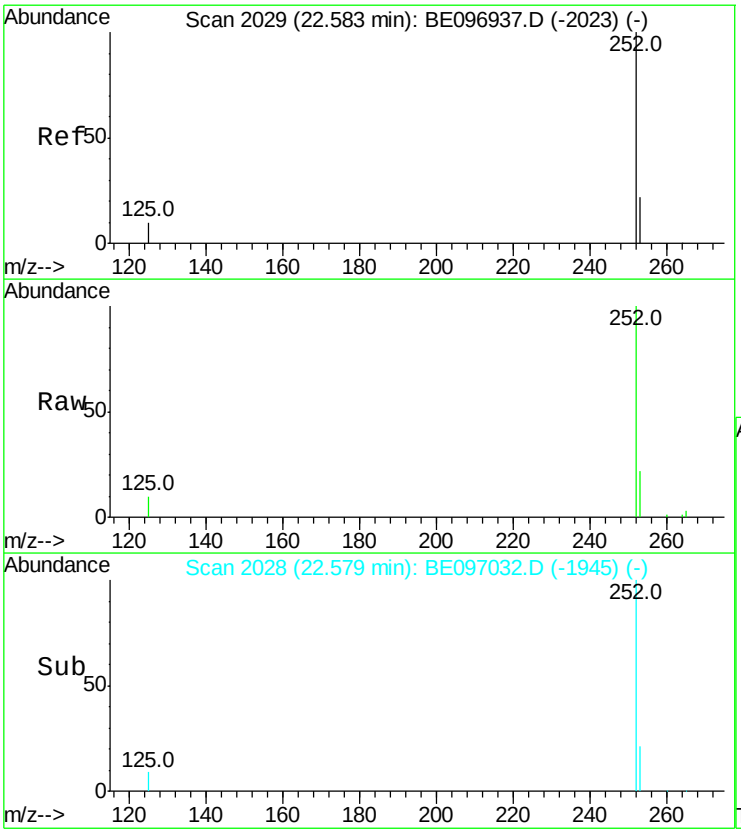
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:252 Resp: 12174

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.0	30.0
125	9.8	16.0	24.0#

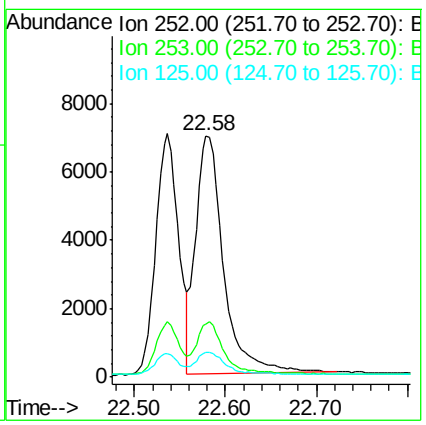


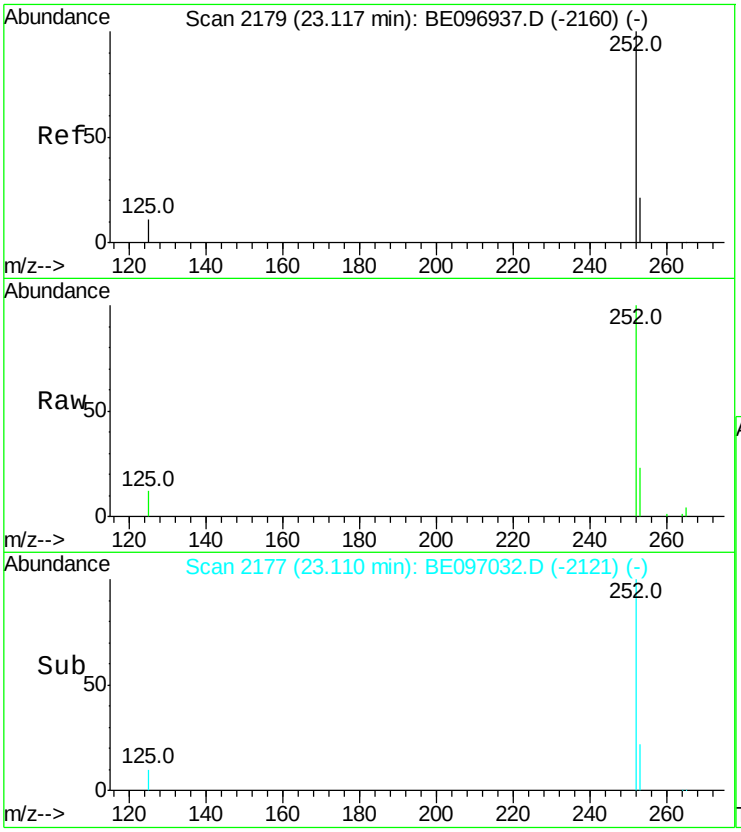


#36
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:252 Resp: 14680

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.0	24.0
125	10.3	8.0	12.0



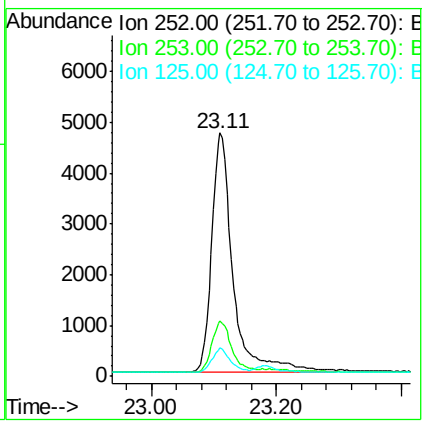


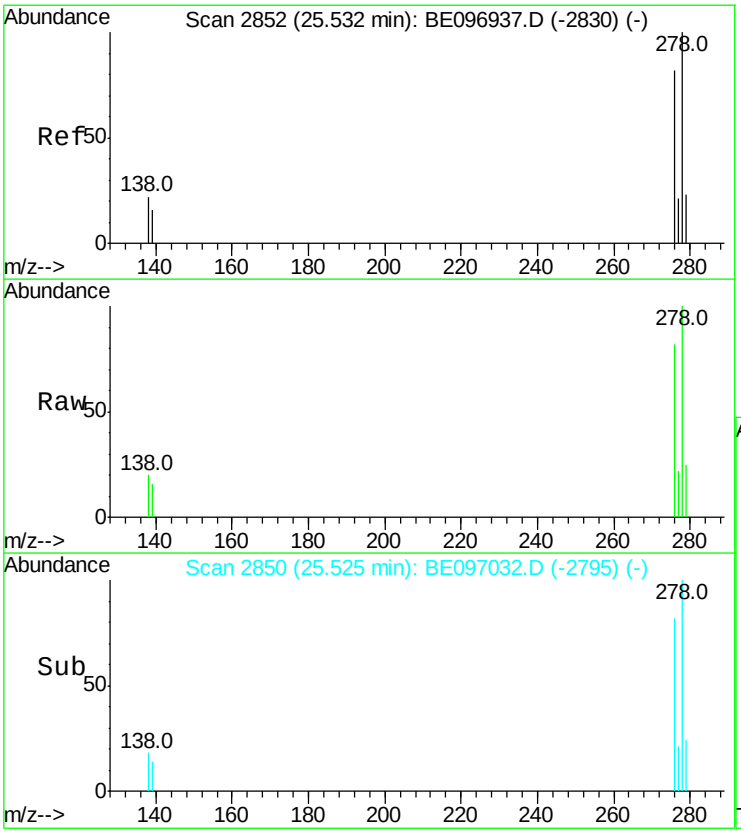
#37
Benzo(a)pyrene
Concen: 0.418 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:252 Resp: 11141

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	11.7	12.0	18.0#

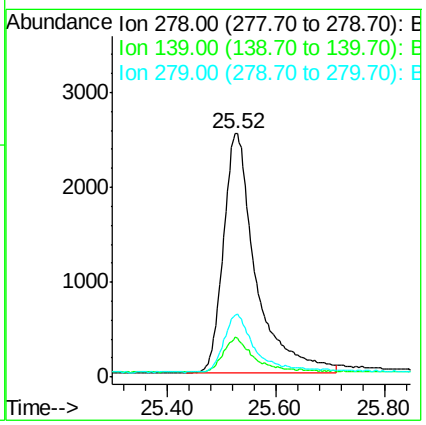


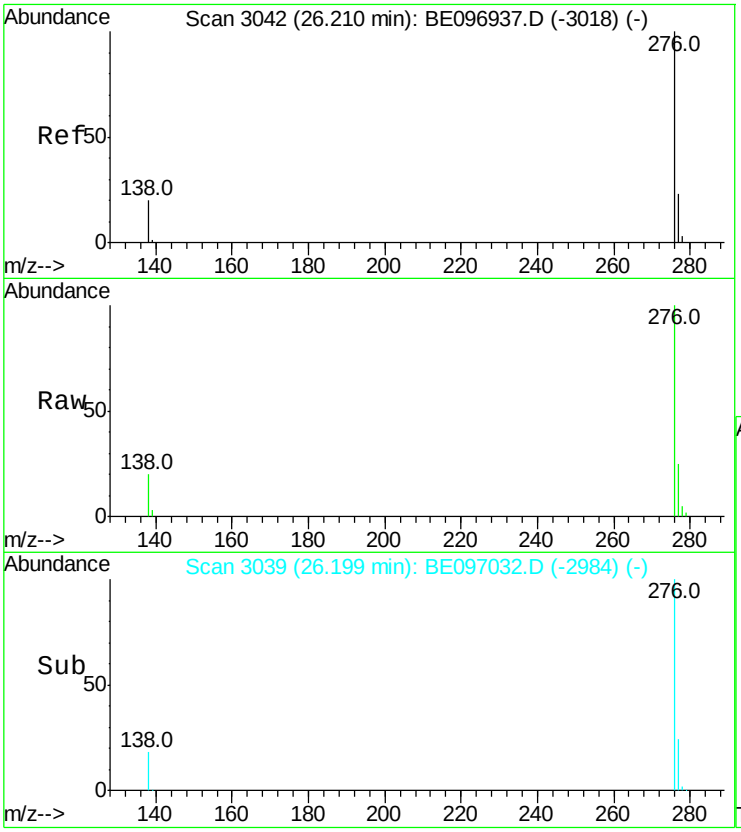


#38
Dibenzo(a,h)anthracene
Concen: 0.464 ng
RT: 25.52 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Tgt Ion:278 Resp: 10452

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.0	24.0
279	25.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.417 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097032.D
Acq: 23 Jul 2018 11:34

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MSD

Tgt Ion:276 Resp: 10462

Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0#
138	20.1	20.0	30.0