Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097070.D
Acq On : 24 Jul 2018 13:26
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE072418

Quant Time: Jul 24 14:05:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1157	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	5625	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	3616	0.40	ng		0.00
19) Phenanthrene-d10	16.76	188	9577	0.40	ng		0.00
27) Chrysene-d12	20.97	240	8496	0.40	ng		-0.01
34) Perylene-d12	23.21	264	7601	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1245	0.38	ng		0.00
5) Phenol-d6	6.59	99	1825	0.38	ng		0.00
8) Nitrobenzene-d5	8.53	82	1961	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	3363	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	463	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5077	0.41	ng		0.00
25) Fluoranthene-d10	18.81	212	36395	0.38	ng		0.00
29) Terphenyl-d14	19.43	244	6683	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	802	0.436	ng	#	87
3) n-Nitrosodimethylamine	3.38	42	845	0.411	ng	#	86
6) bis(2-Chloroethyl)ether	6.84	93	1688	0.388	ng		92
9) Naphthalene	10.20	128	20605	0.408	ng		100
10) Hexachlorobutadiene	10.48	225	933	0.413	ng		95
12) 2-Methylnaphthalene	11.81	142	3502	0.404	ng		99
16) Acenaphthylene	13.73	152	6475	0.399	ng		99
17) Acenaphthene	14.08	154	3732	0.396	ng	#	90
18) Fluorene	15.07	166	4866	0.390	ng	#	79
20) 4-Bromophenyl-phenylether	15.97	248	1875	0.403	ng	#	80
21) Hexachlorobenzene	16.08	284	2098	0.420	ng	#	84
22) Pentachlorophenol	16.44	266	415	0.364	ng	#	78
23) Phenanthrene	16.81	178	9111	0.399	ng		98
24) Anthracene	16.90	178	7869	0.385	ng		95
26) Fluoranthene	18.84	202	9883	0.386	ng		98
28) Pyrene	19.21	202	9544	0.409	ng		99
30) Benzo(a)anthracene	20.96	228	7806	0.369	ng		98
31) Chrysene	21.00	228	9406	0.415	ng		97
32) Bis(2-ethylhexyl)phthalate	20.92	149	8106	0.365	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	7838	0.382	ng	#	78
35) Benzo(b)fluoranthene	22.54	252	7052	0.366	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	8674	0.385	ng		94
37) Benzo(a)pyrene	23.11	252	6621	0.365	ng		92
38) Dibenzo(a,h)anthracene	25.53	278	6624	0.366	ng		97
39) Benzo(g,h,i)perylene	26.20	276	7159	0.372	ng	#	90

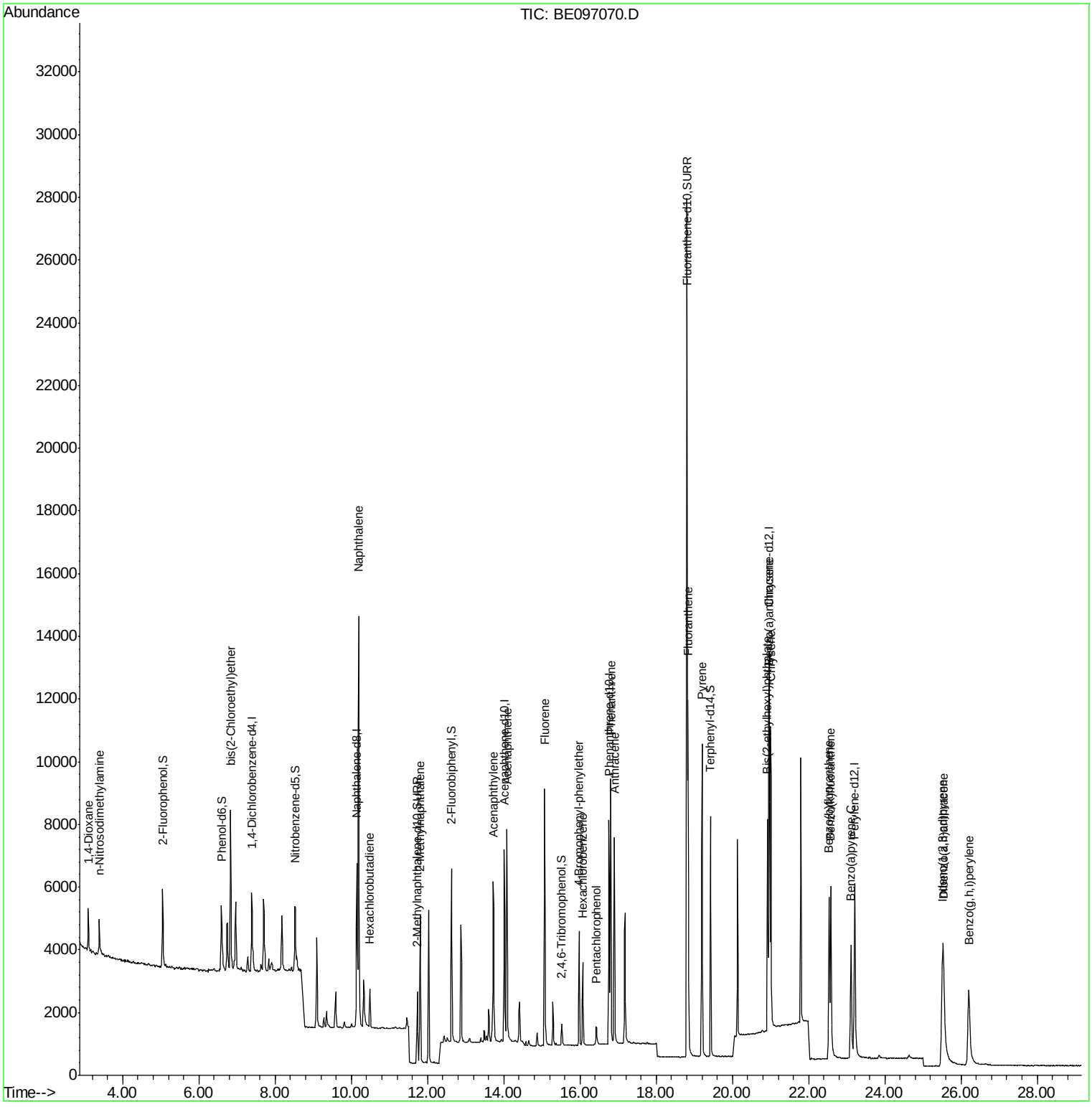
(#) = qualifier out of range (m) = manual integration (+) = signals summed

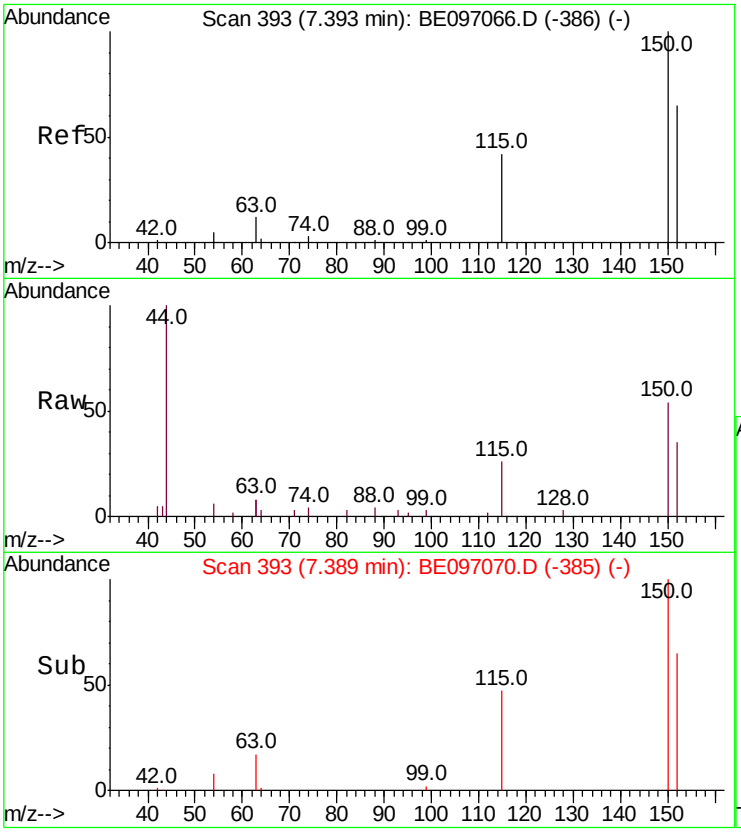
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097070.D
Acq On : 24 Jul 2018 13:26
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Quant Time: Jul 24 14:05:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration



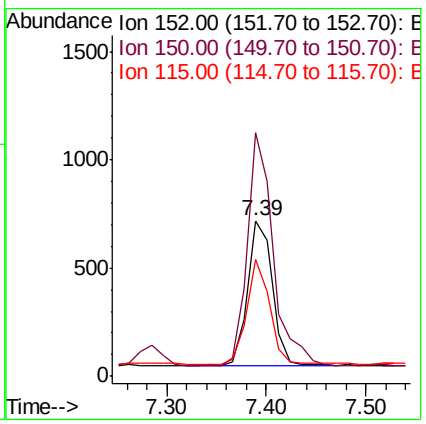


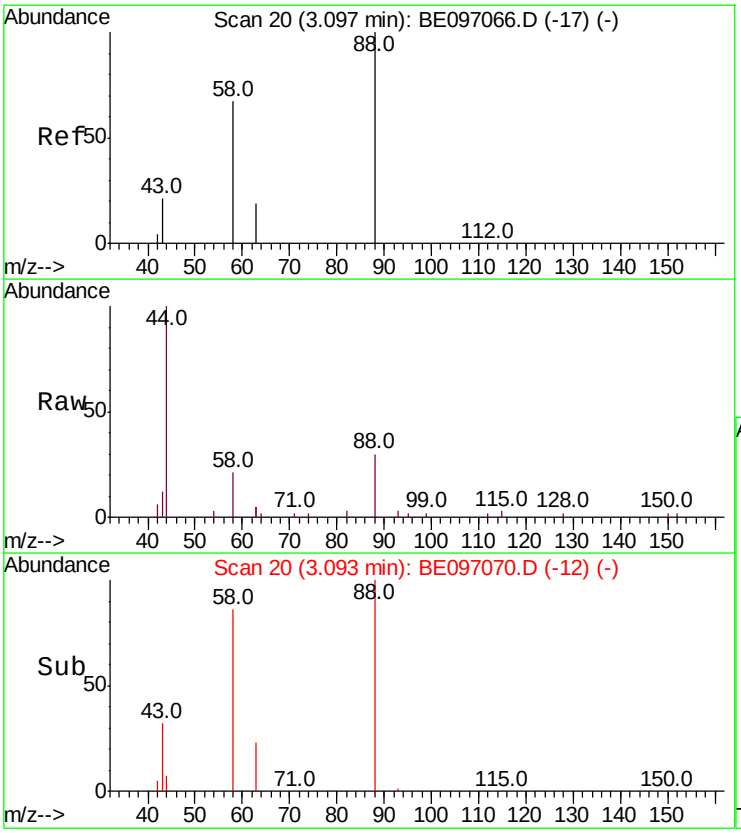
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:152 Resp: 1157

Ion	Ratio	Lower	Upper
152	100		
150	156.5	117.2	175.8
115	75.3	57.0	85.6

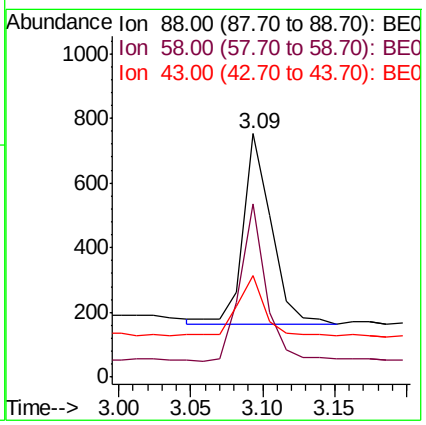


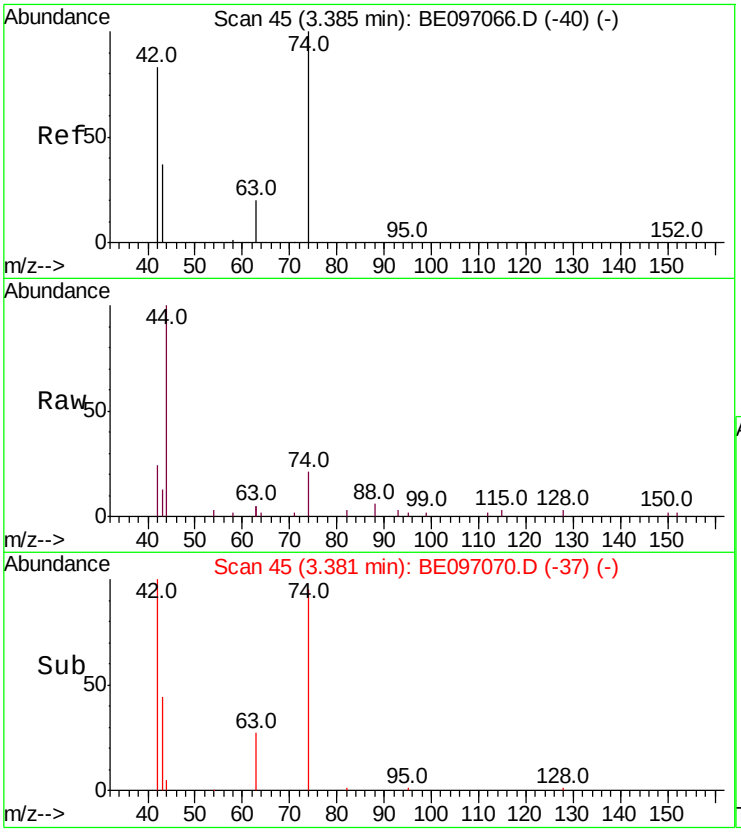


#2
1,4-Dioxane
Concen: 0.436 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion: 88 Resp: 802

Ion	Ratio	Lower	Upper
88	100		
58	76.2	63.2	94.8
43	31.4	41.2	61.8#



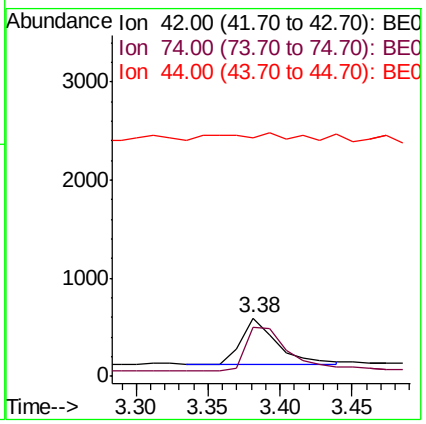


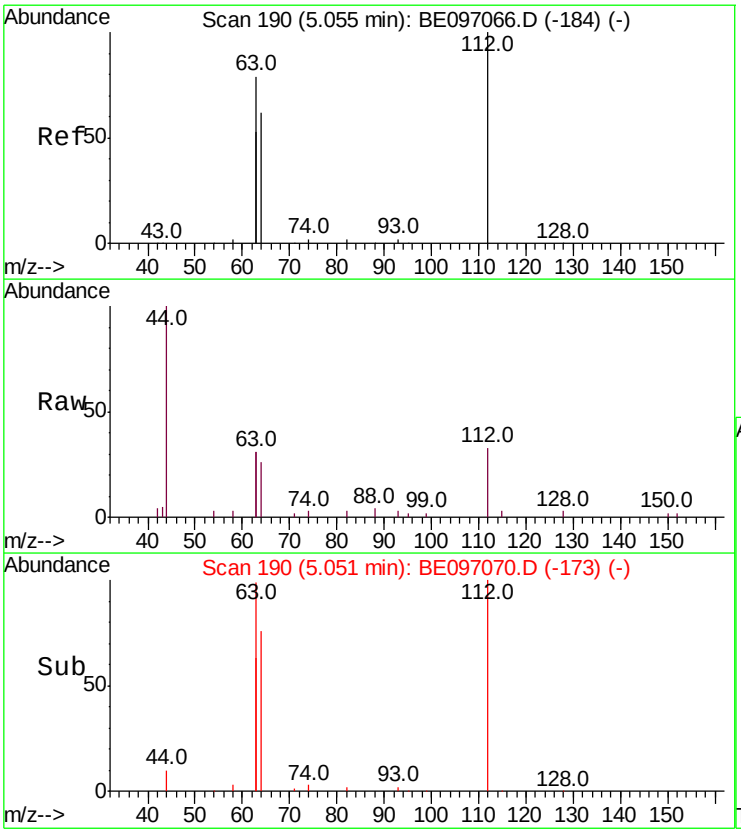
#3
n-Nitrosodimethylamine
Concen: 0.411 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion: 42 Resp: 845

Ion	Ratio	Lower	Upper
42	100		
74	107.0	96.0	144.0
44	0.0	12.0	18.0#

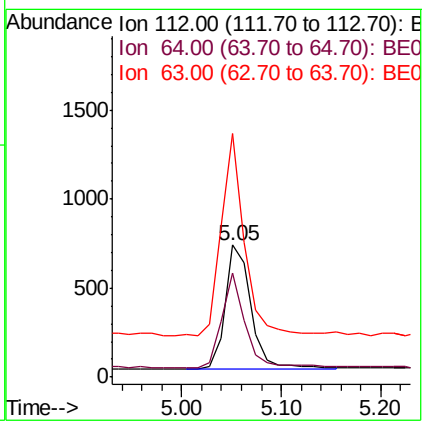


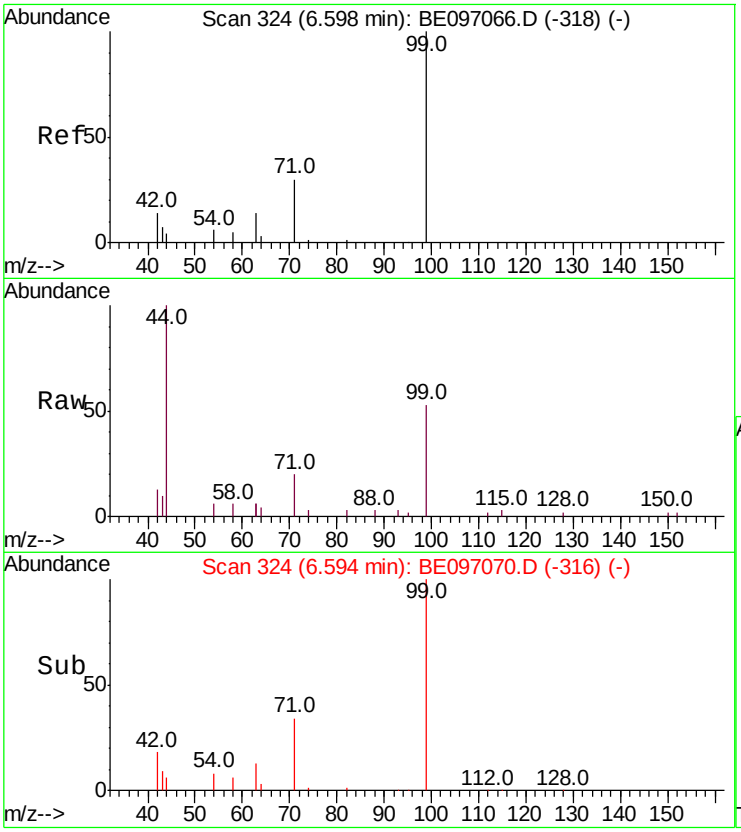


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:112 Resp: 1245

Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.1	90.1
63	143.2	116.8	175.2



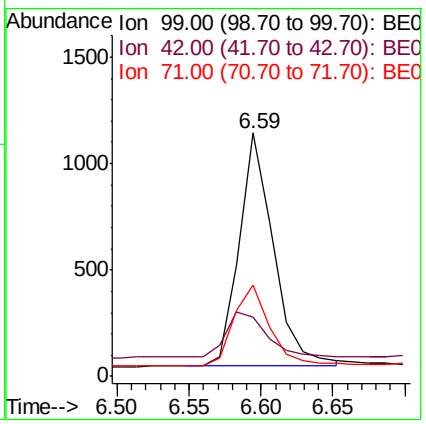


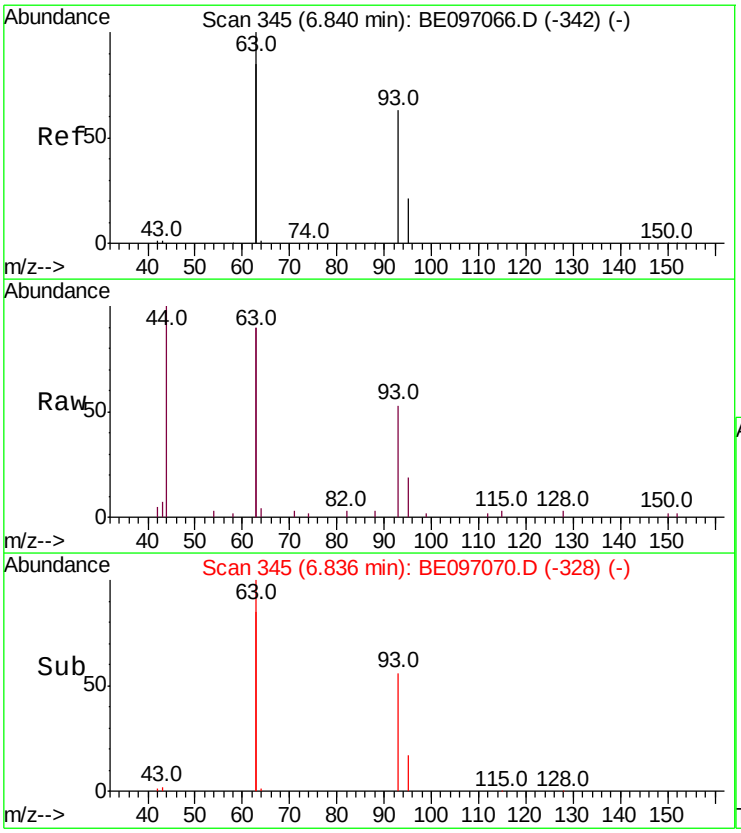
#5
Phenol-d6
Concen: 0.383 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion: 99 Resp: 1825

Ion	Ratio	Lower	Upper
99	100		
42	23.0	20.2	30.2
71	35.7	28.4	42.6

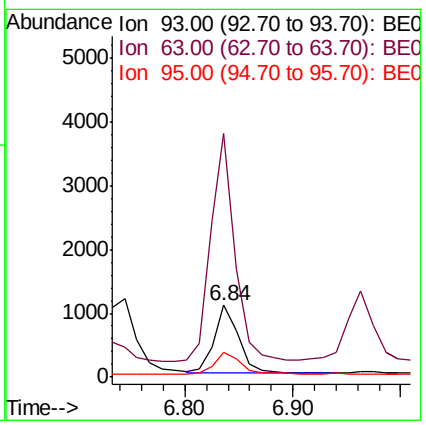


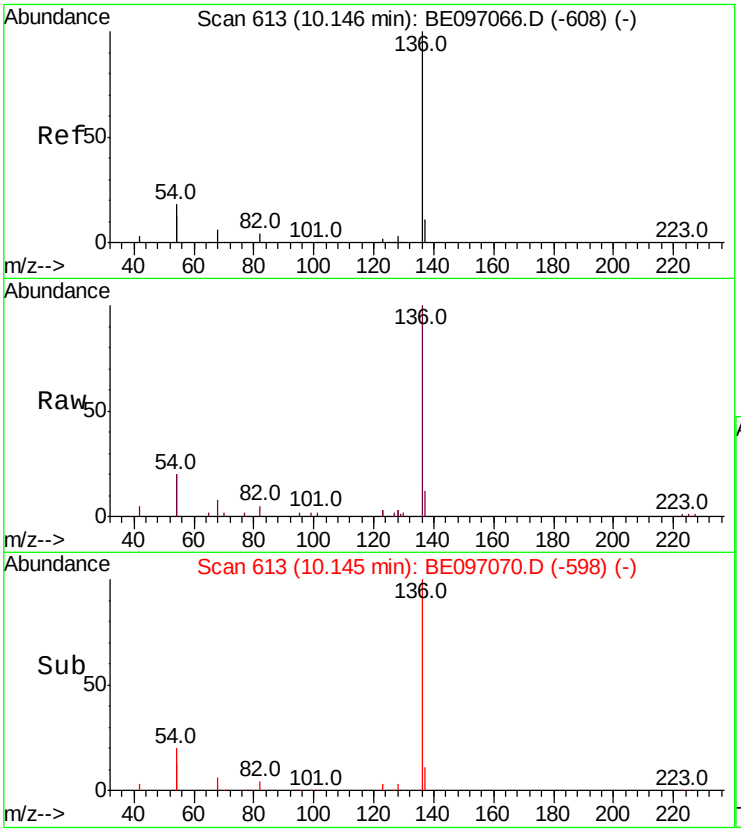


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 6.84 min Scan# 345
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion: 93 Resp: 1688

Ion	Ratio	Lower	Upper
93	100		
63	325.1	275.3	412.9
95	31.4	25.2	37.8



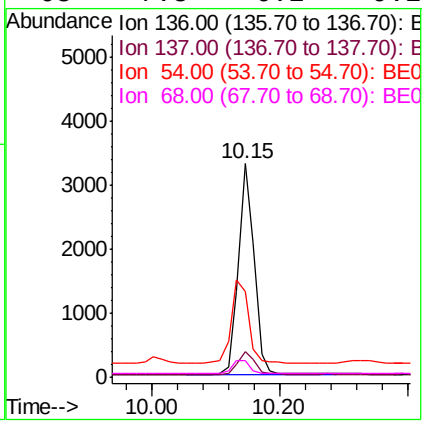


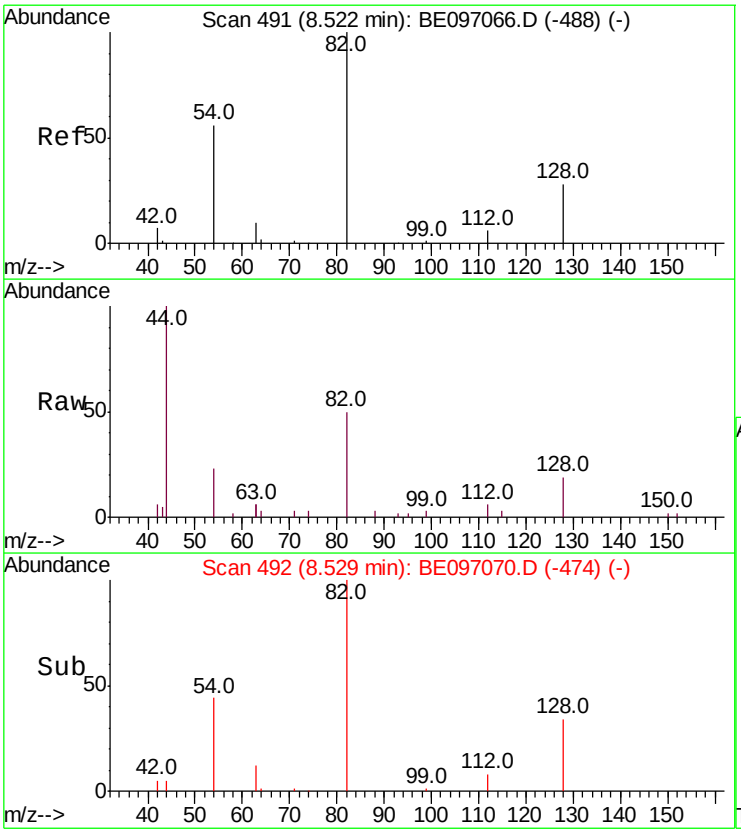
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:136 Resp: 5625

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	40.2	29.1	43.7
68	7.8	6.2	9.2

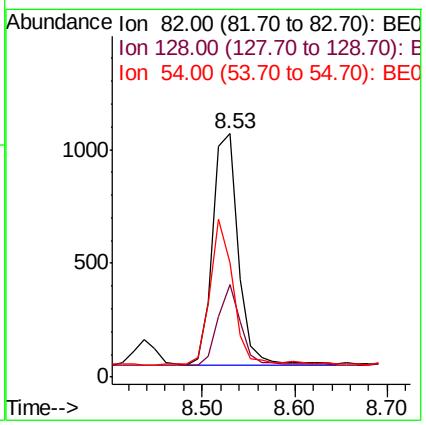


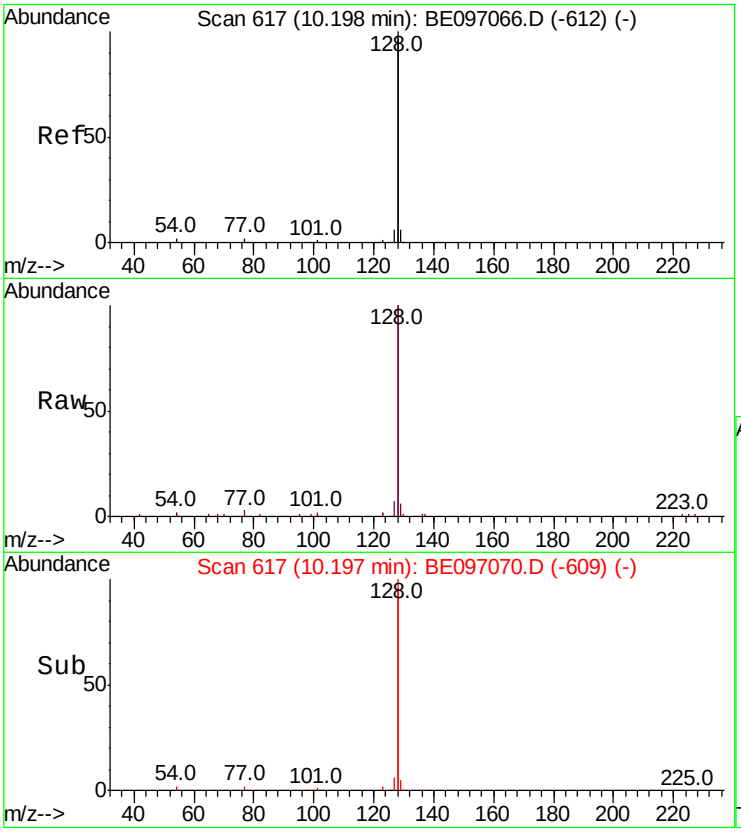


#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.01 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion: 82 Resp: 1961

Ion	Ratio	Lower	Upper
82	100		
128	37.9	24.0	36.0#
54	46.7	40.0	60.0



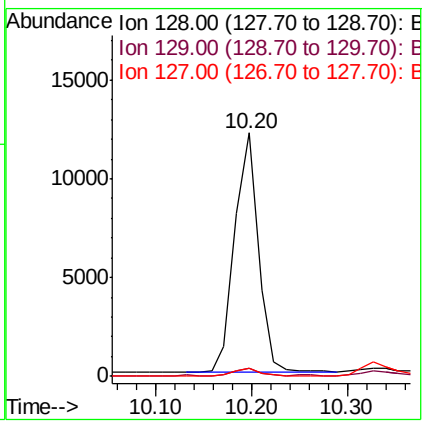


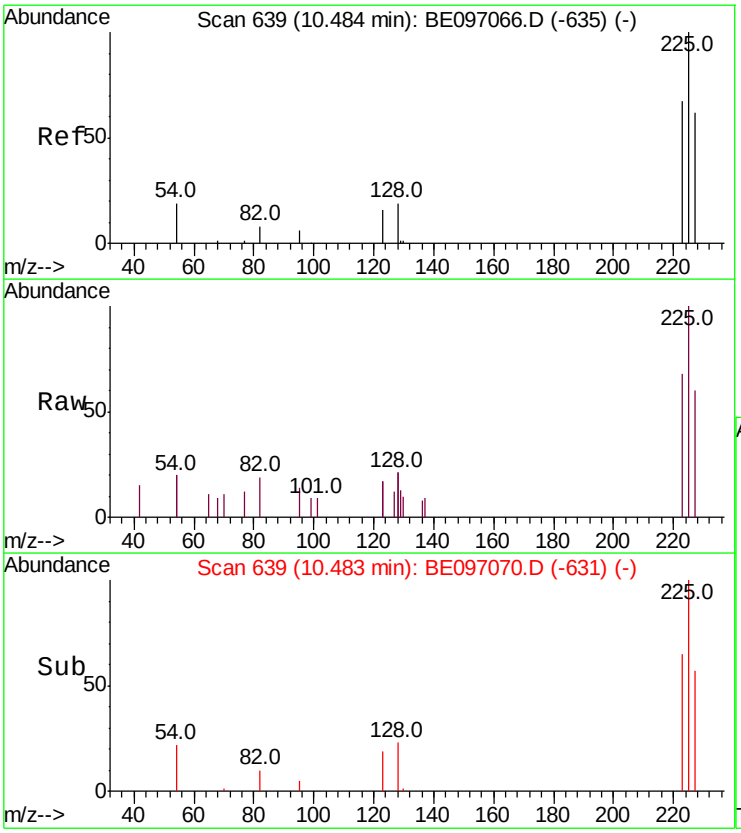
#9
Naphthalene
Concen: 0.408 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:128 Resp: 20605

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.5	2.8	4.2

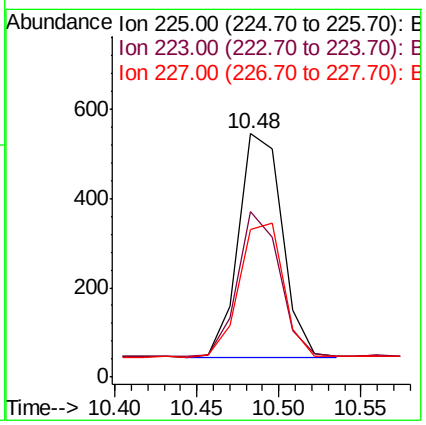


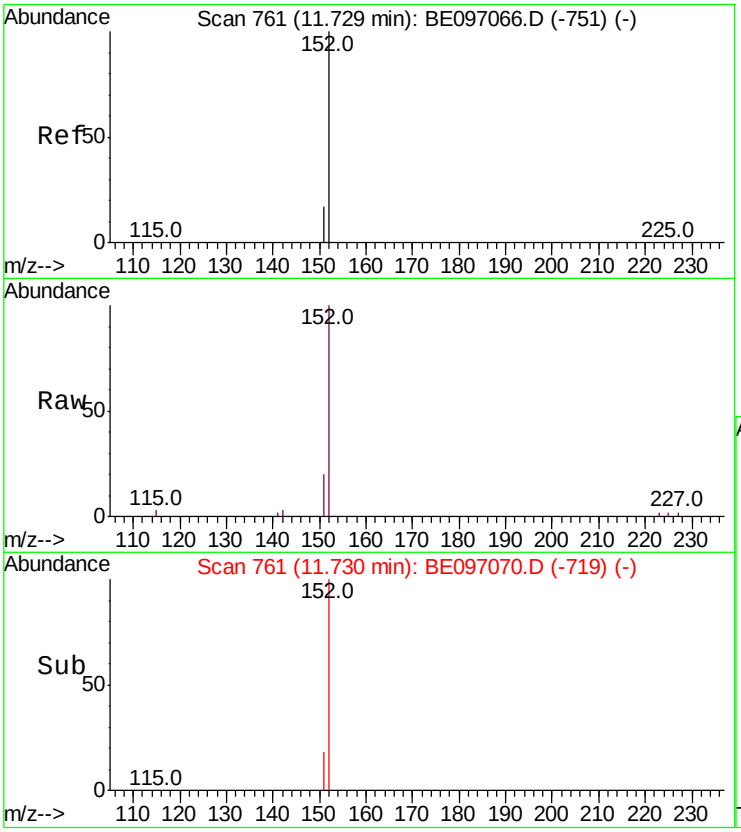


#10
Hexachlorobutadiene
Concen: 0.413 ng
RT: 10.48 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:225 Resp: 933

Ion	Ratio	Lower	Upper
225	100		
223	62.7	53.0	79.6
227	60.7	51.4	77.2



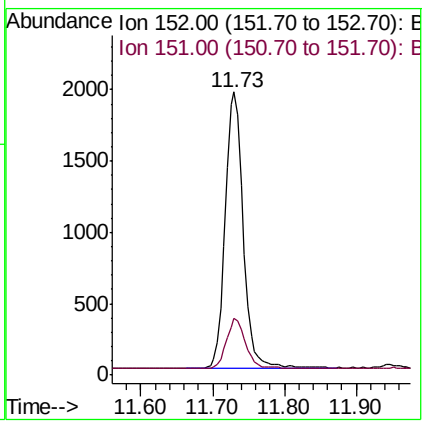


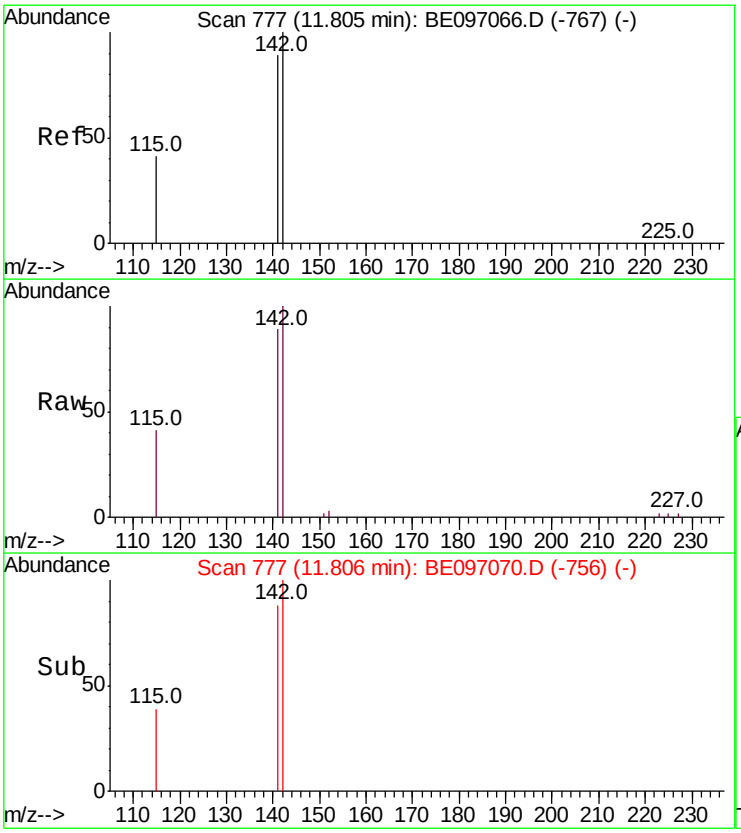
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:152 Resp: 3363

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

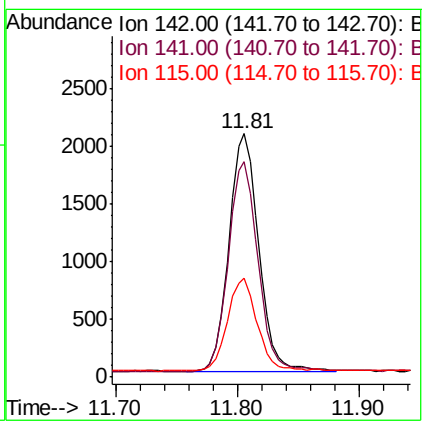


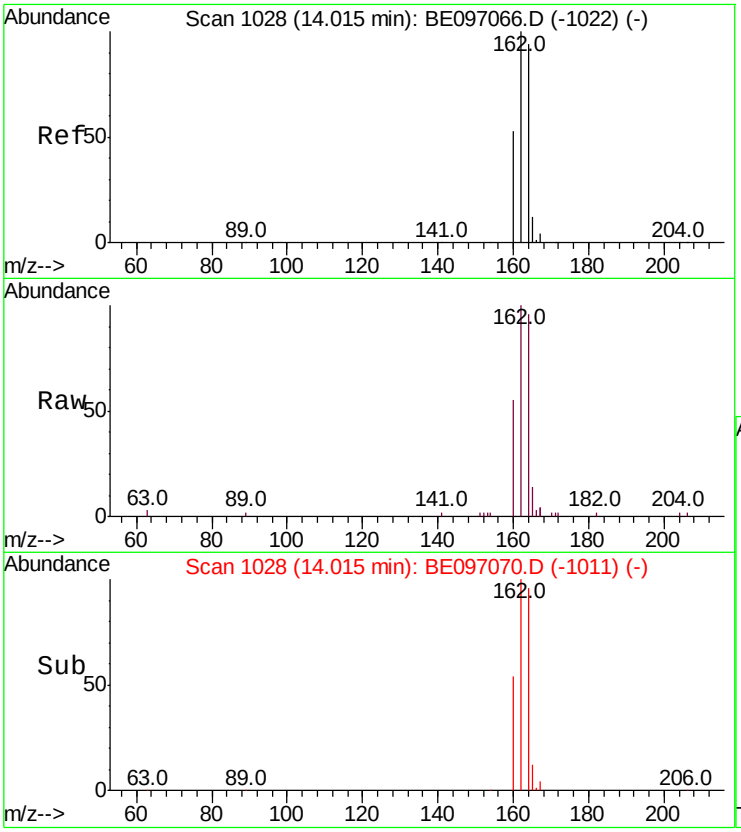


#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 11.81 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:142 Resp: 3502

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.4	105.6
115	40.7	31.7	47.5



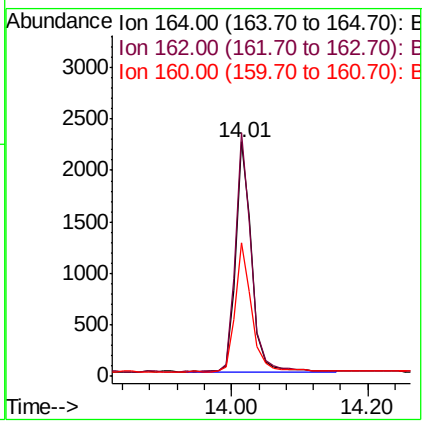


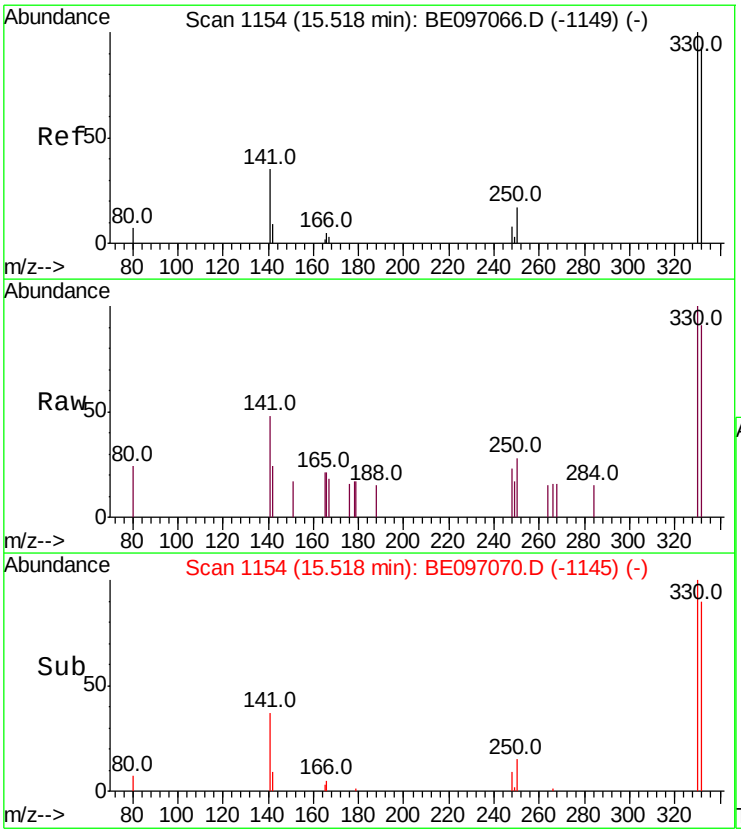
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:164 Resp: 3616

Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.1	124.7
160	57.2	37.1	55.7#

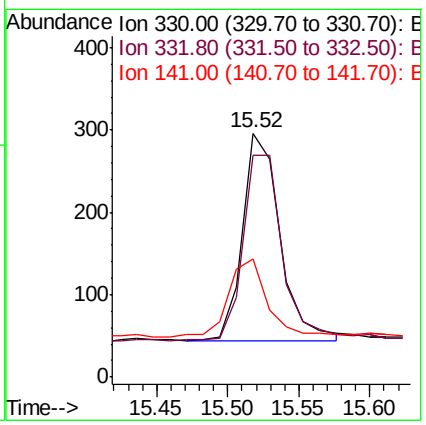


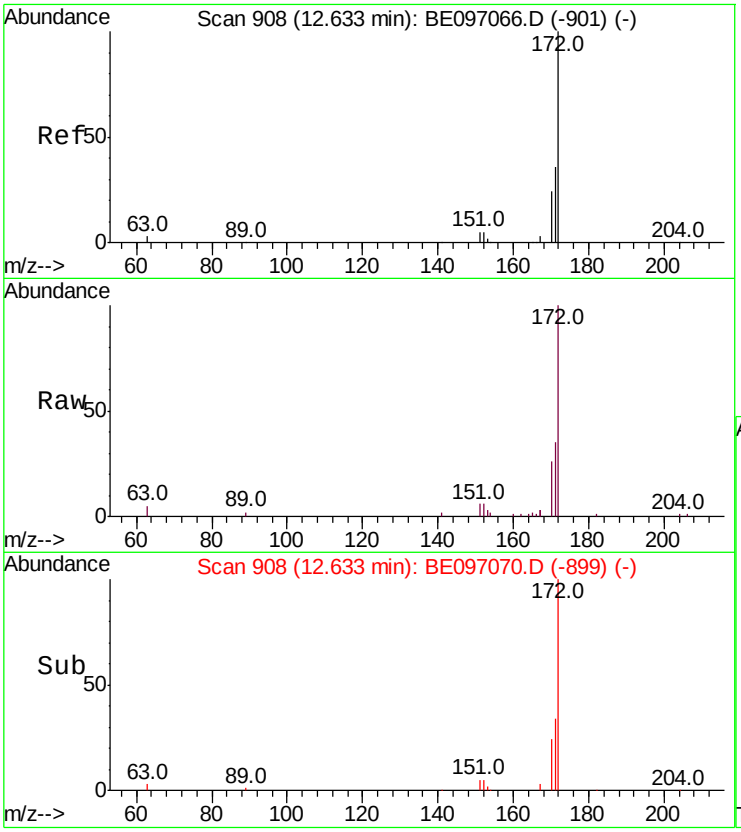


#14
2,4,6-Tribromophenol
Concen: 0.389 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:330 Resp: 463

Ion	Ratio	Lower	Upper
330	100		
332	94.2	152.7	229.1#
141	38.4	33.7	50.5



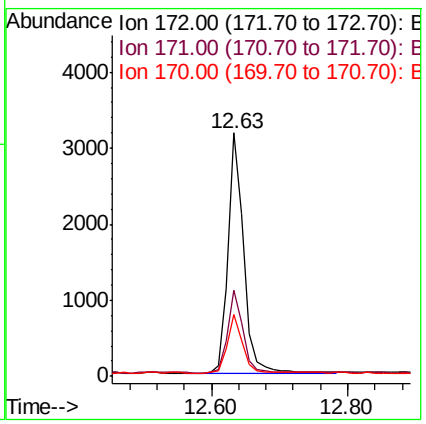


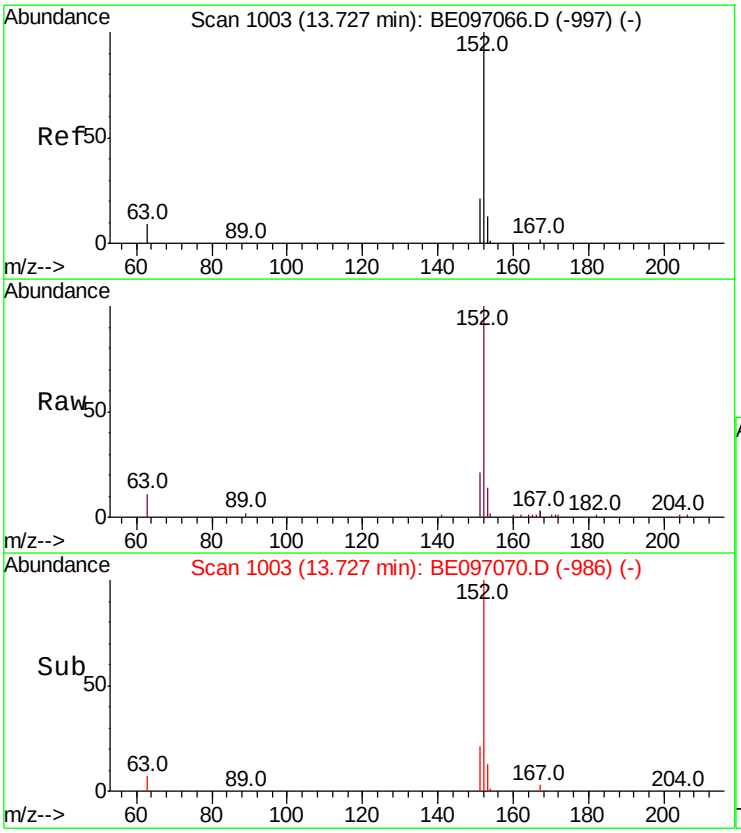
#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:172 Resp: 5077

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.9	44.9
170	25.5	21.8	32.8

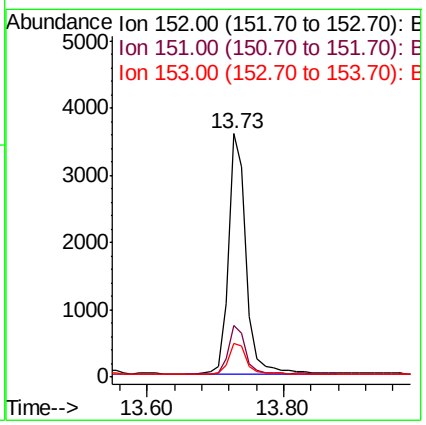


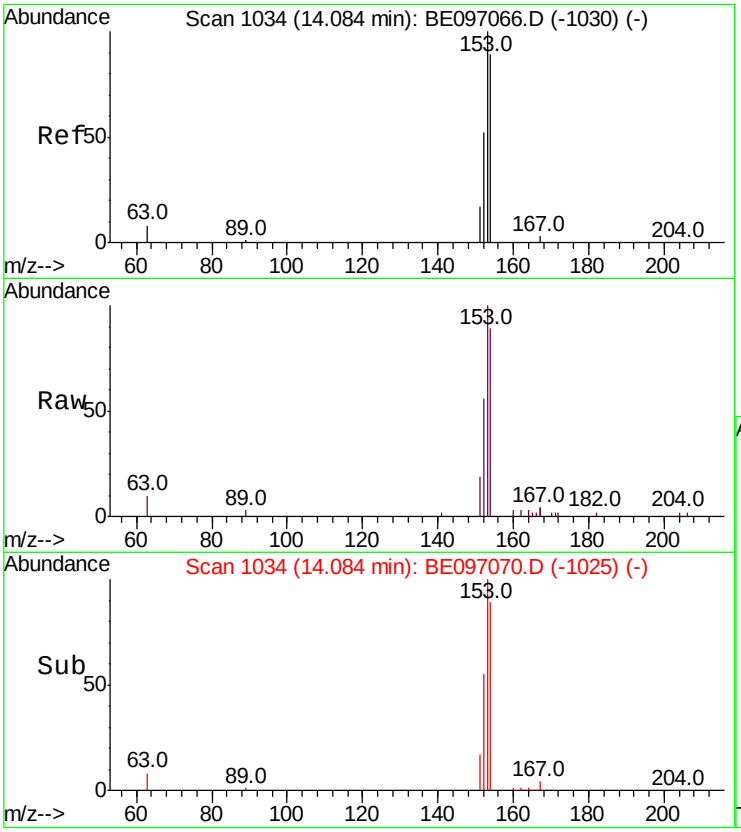


#16
Acenaphthylene
Concen: 0.399 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:152 Resp: 6475

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.6	10.5	15.7



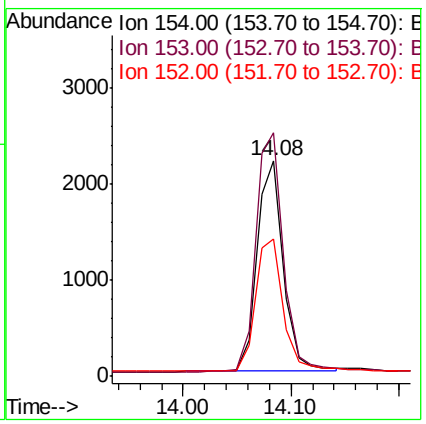


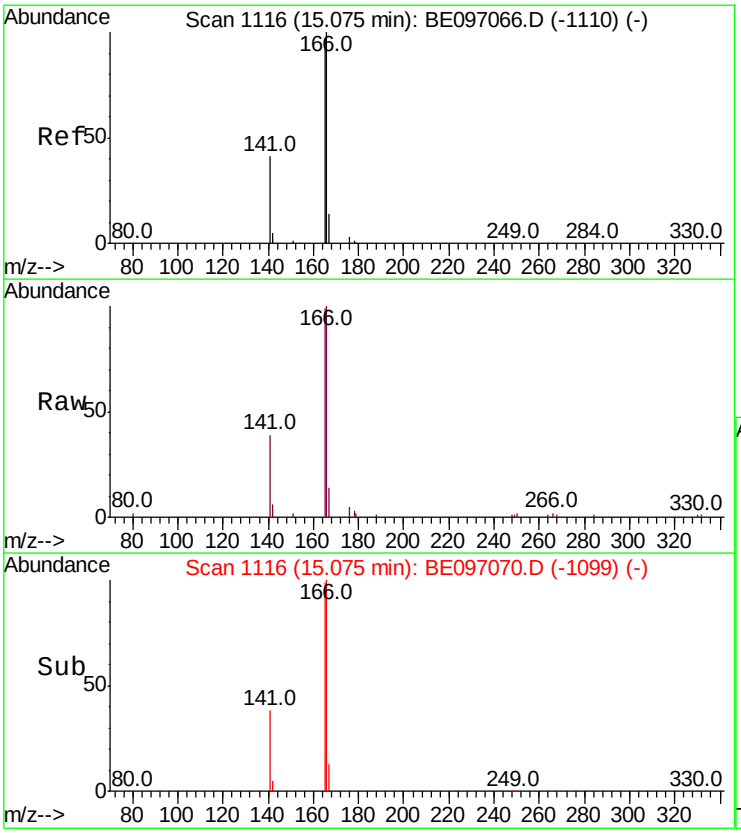
#17
Acenaphthene
Concen: 0.396 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument : BNA_E
ClientSampleId : ICVBE072418

Tgt Ion:154 Resp: 3732

Ion	Ratio	Lower	Upper
154	100		
153	117.8	89.2	133.8
152	66.6	42.0	63.0#

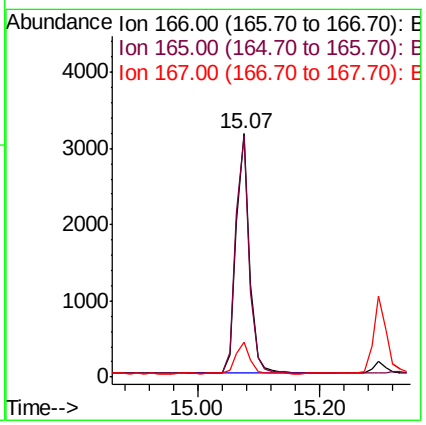


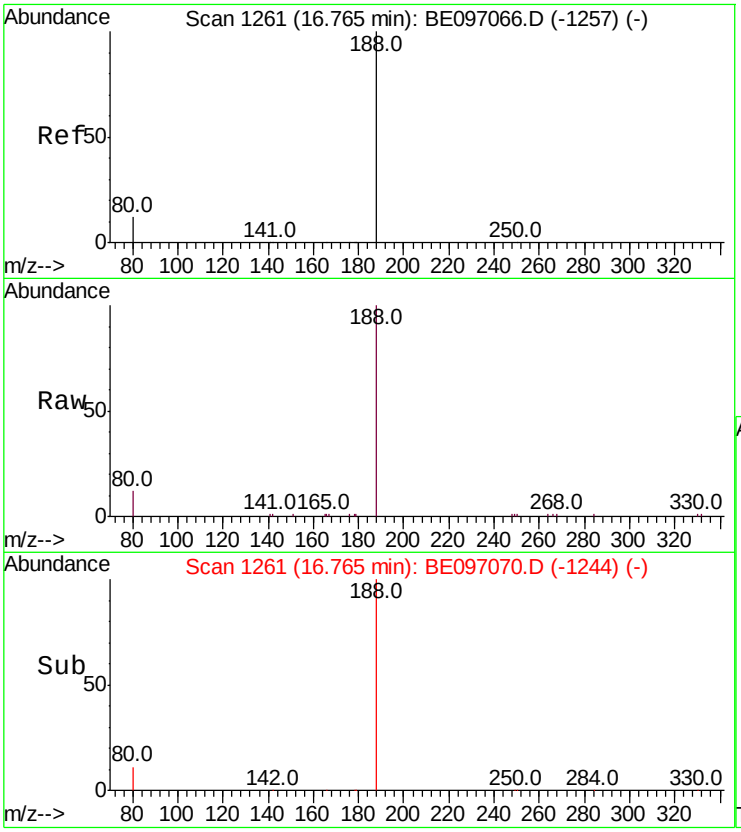


#18
Fluorene
Concen: 0.390 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:166 Resp: 4866

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.6
167	13.4	42.4	63.6#



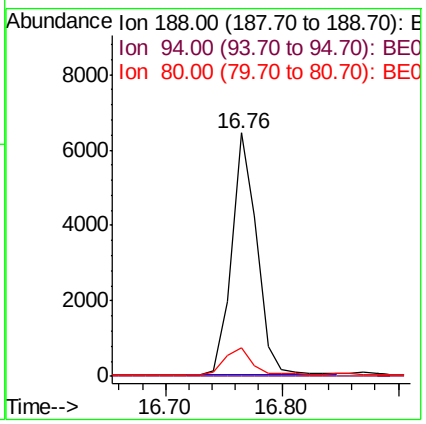


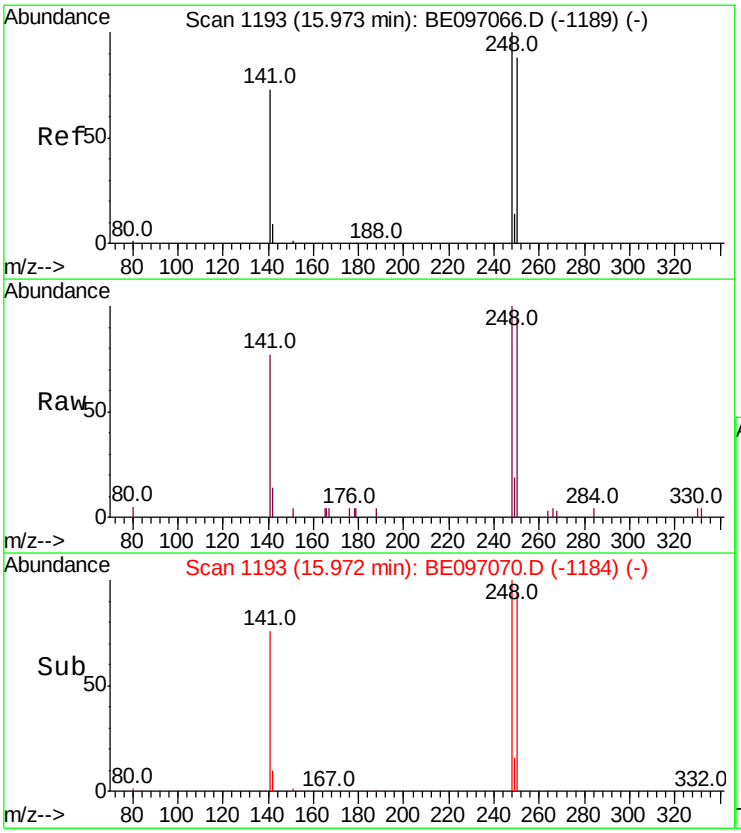
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:188 Resp: 9577

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.8	3.6	5.4#

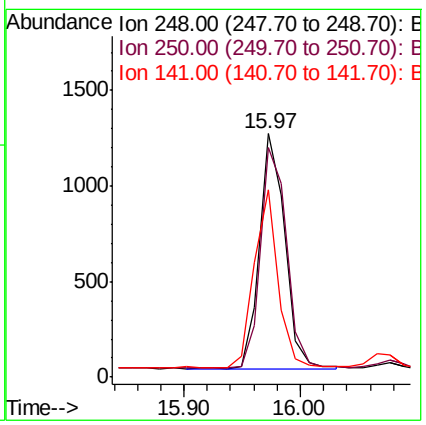


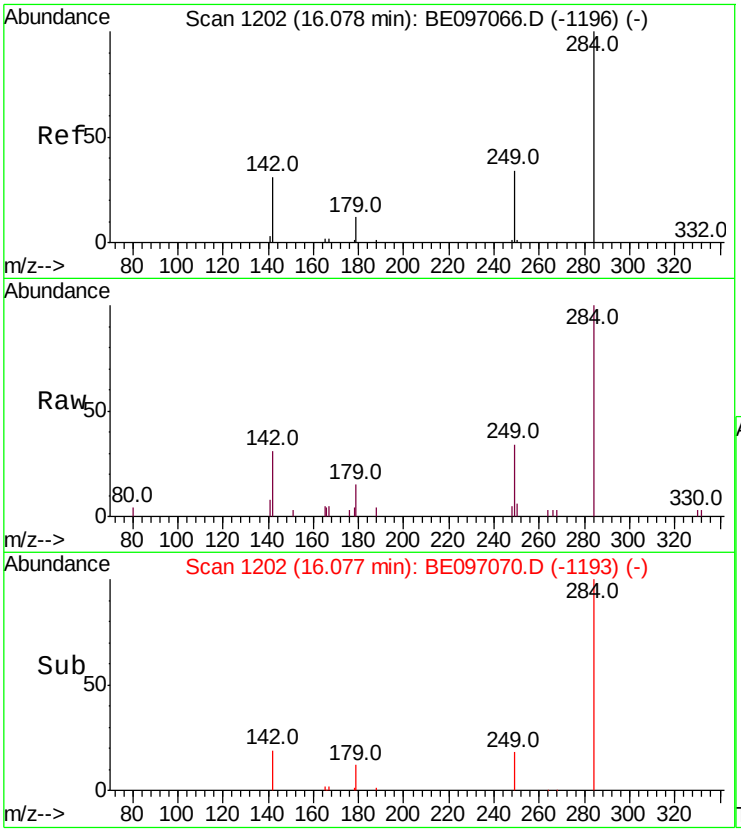


#20
4-Bromophenyl-phenylether
Concen: 0.403 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:248 Resp: 1875

Ion	Ratio	Lower	Upper
248	100		
250	94.1	62.7	94.1#
141	76.8	48.2	72.2#



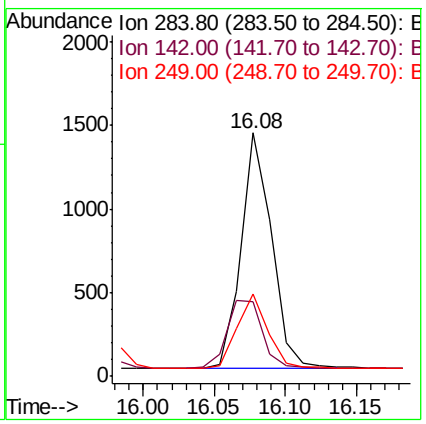


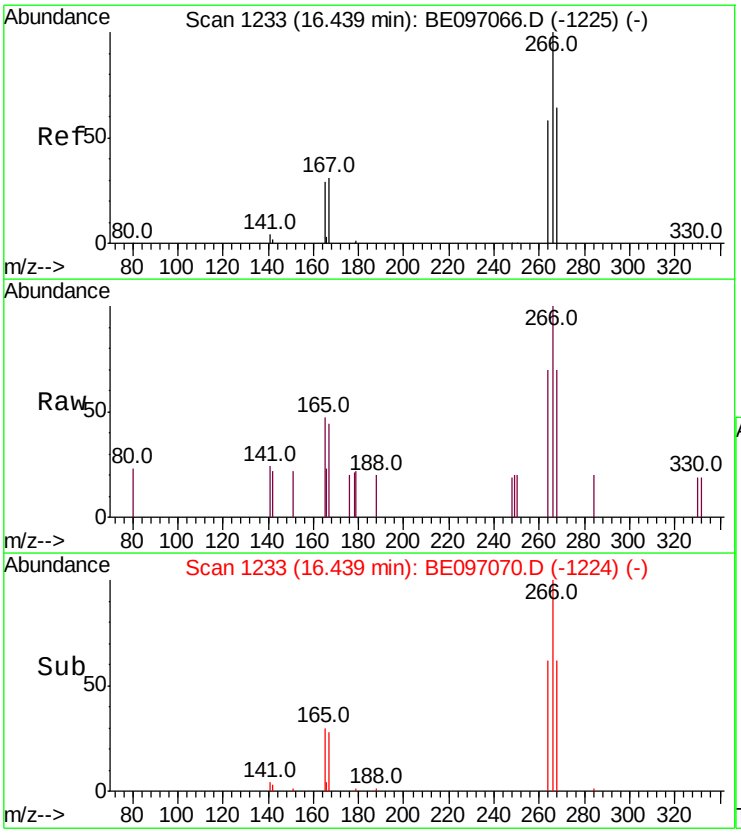
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:284 Resp: 2098

Ion	Ratio	Lower	Upper
284	100		
142	33.5	22.1	33.1#
249	31.6	34.8	52.2#

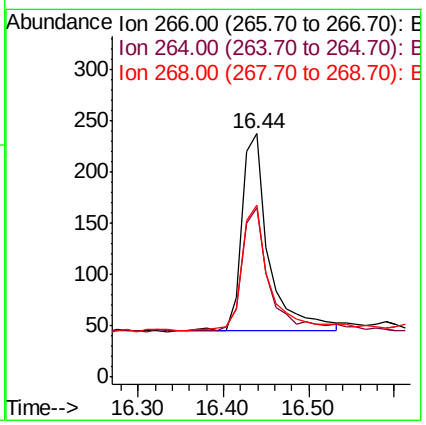


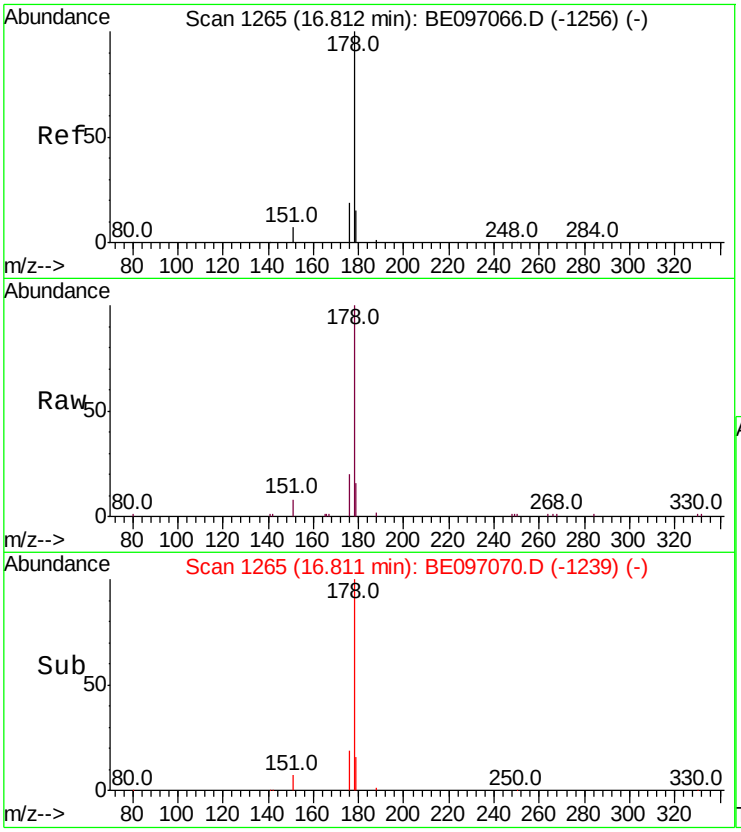


#22
Pentachlorophenol
Concen: 0.364 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:266 Resp: 415

Ion	Ratio	Lower	Upper
266	100		
264	69.6	72.5	108.7#
268	70.5	73.8	110.6#



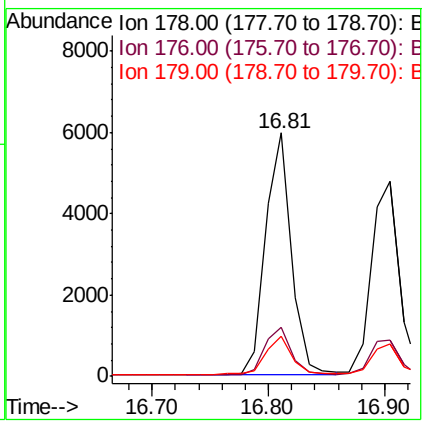


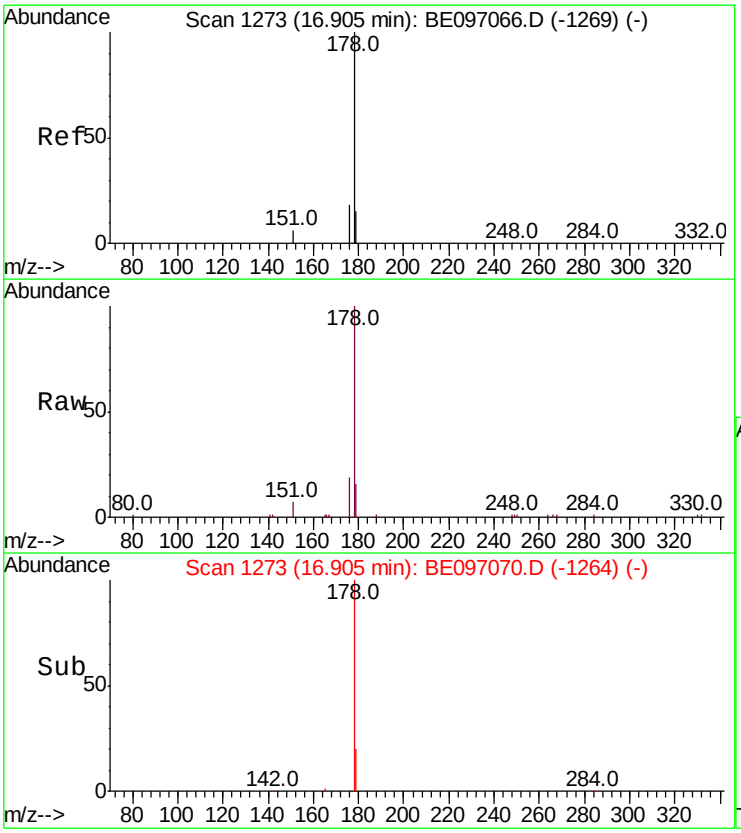
#23
Phenanthrene
Concen: 0.399 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:178 Resp: 9111

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.5	11.8	17.6

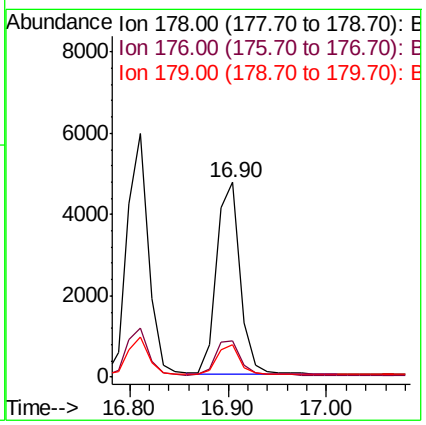


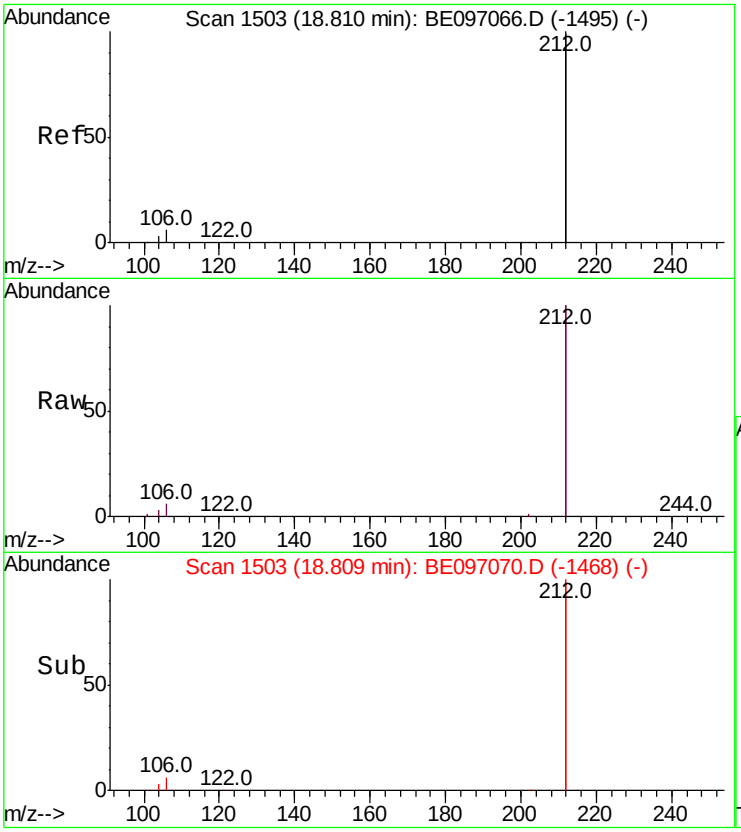


#24
Anthracene
Concen: 0.385 ng
RT: 16.90 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:178 Resp: 7869

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	14.9	13.0	19.6



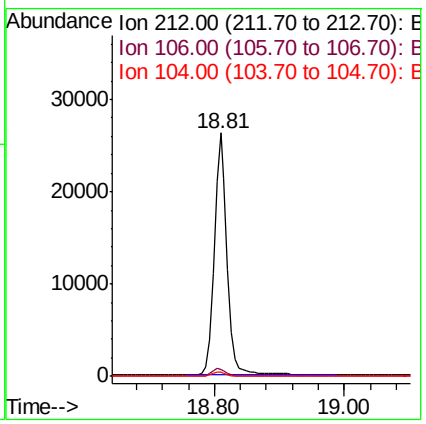


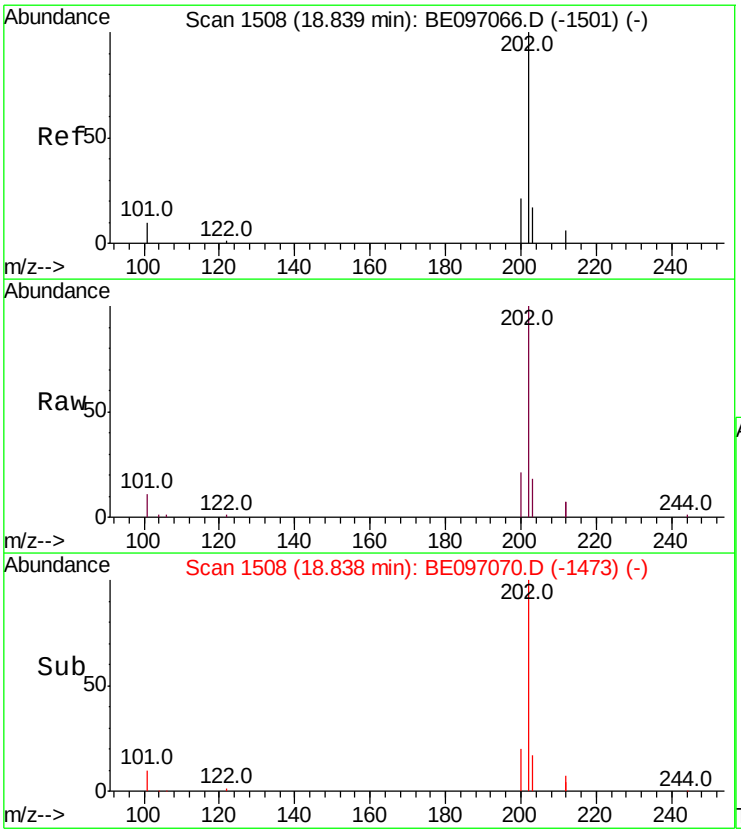
#25
Fluoranthene-d10
Concen: 0.380 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:212 Resp: 36395

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

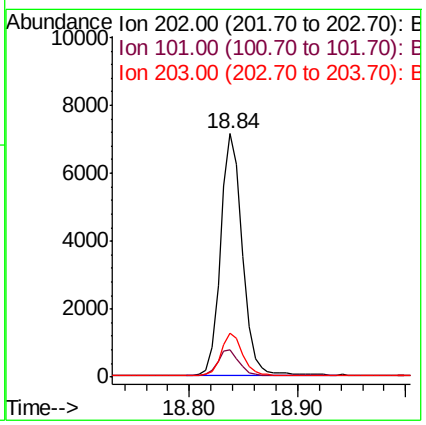


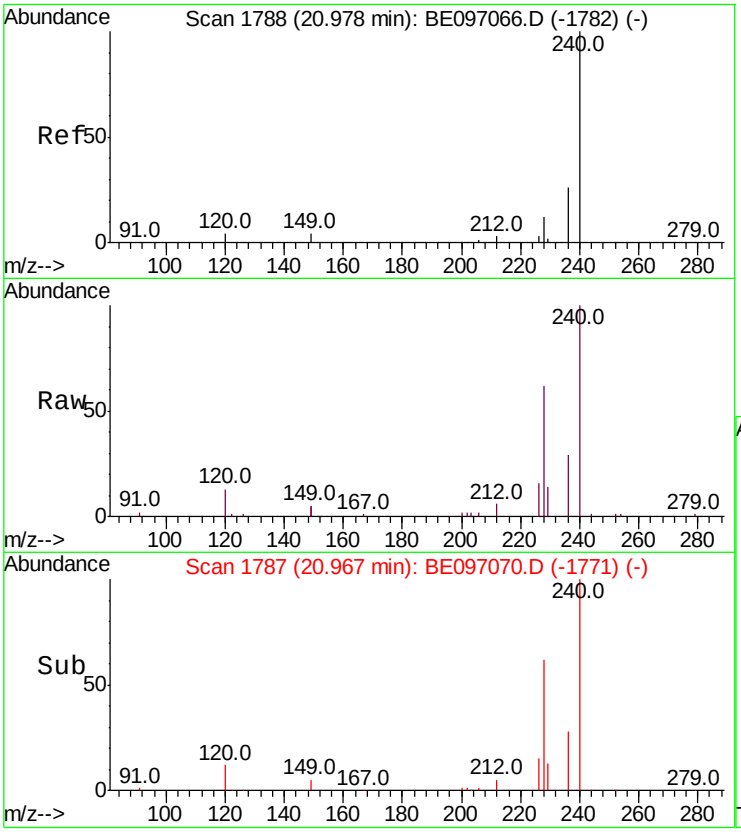


#26
Fluoranthene
Concen: 0.386 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:202 Resp: 9883

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
203	16.9	13.7	20.5



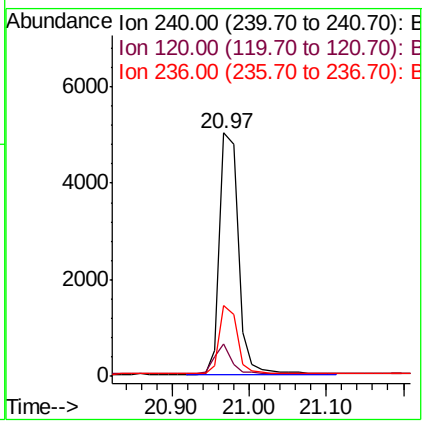


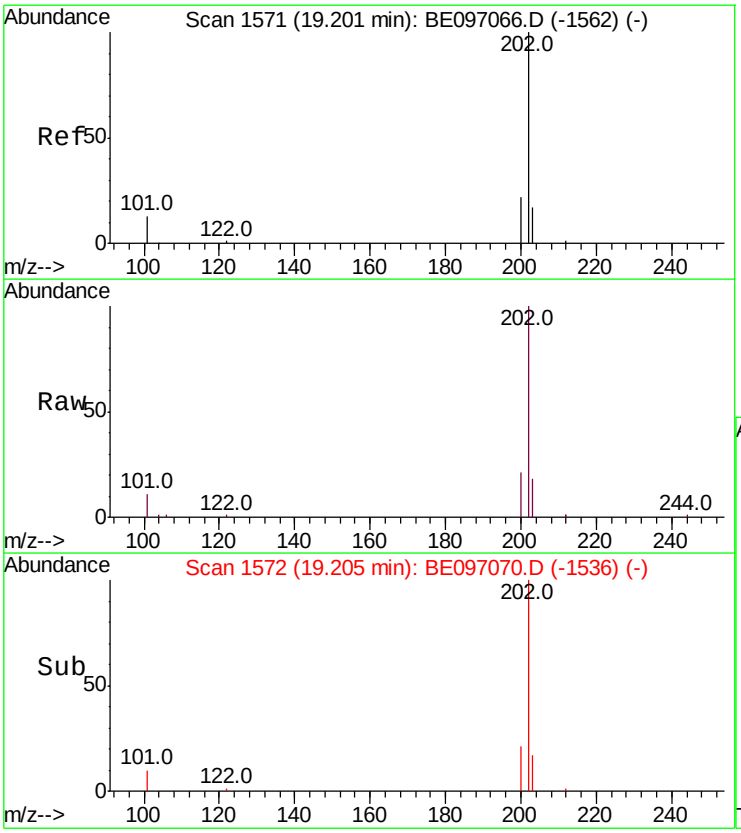
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:240 Resp: 8496

Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.5	8.3#
236	28.9	20.7	31.1

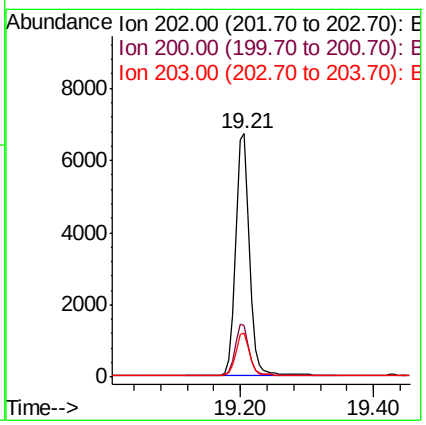


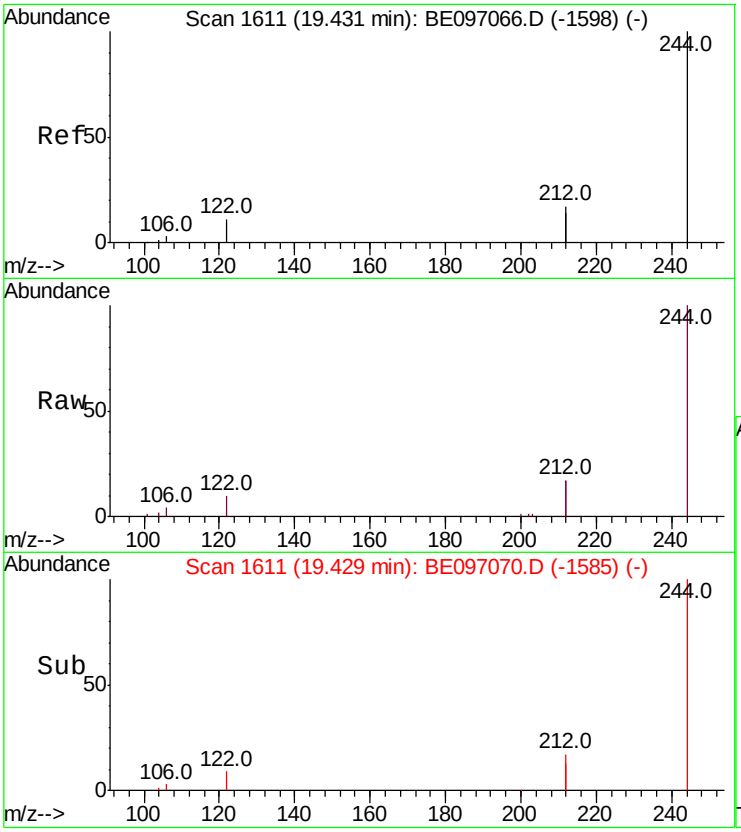


#28
Pyrene
Concen: 0.409 ng
RT: 19.21 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:202 Resp: 9544

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.3	13.8	20.8



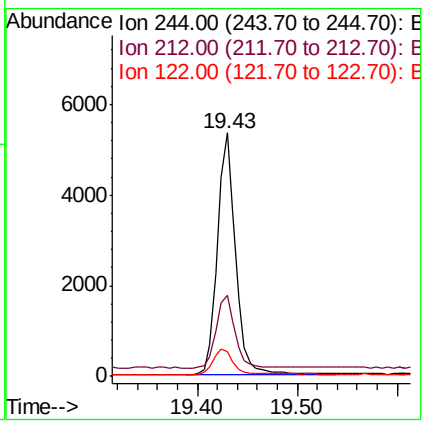


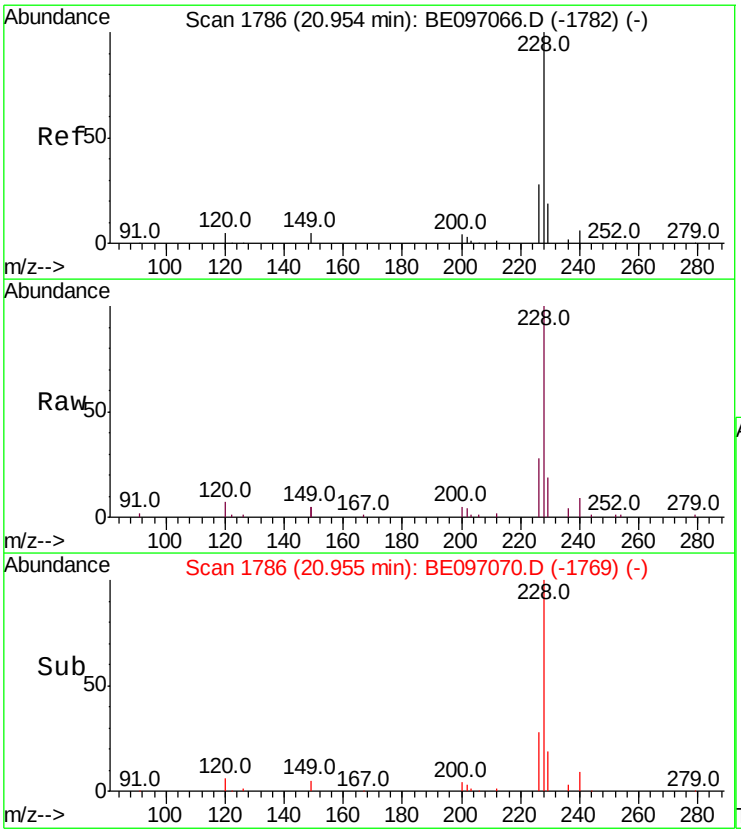
#29
Terphenyl-d14
Concen: 0.409 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:244 Resp: 6683

Ion	Ratio	Lower	Upper
244	100		
212	33.4	25.4	38.0
122	10.1	8.1	12.1

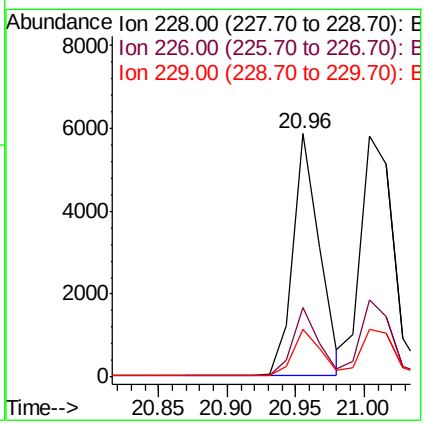


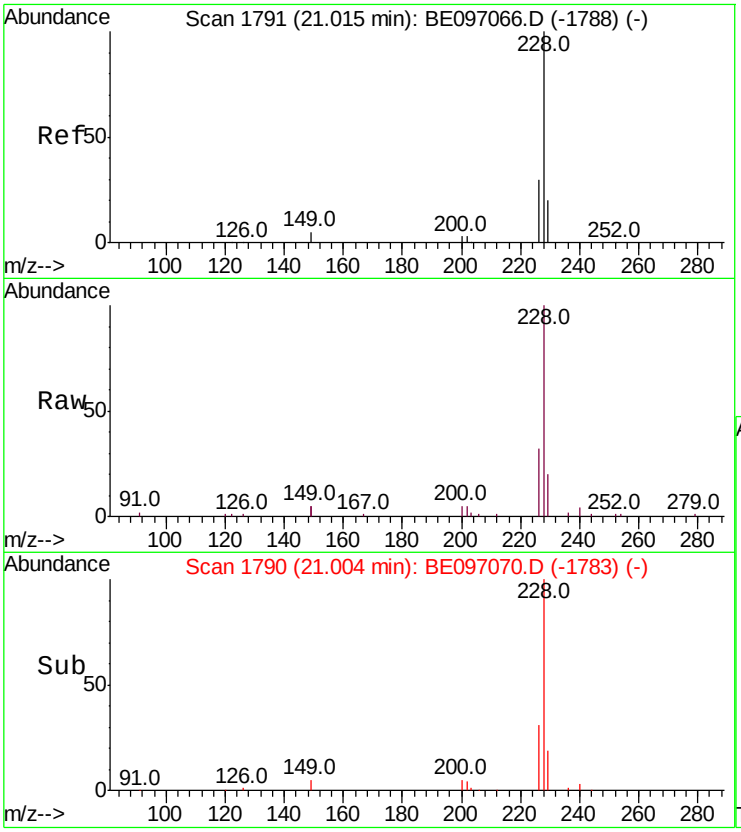


#30
Benzo(a)anthracene
Concen: 0.369 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:228 Resp: 7806

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.0	36.0
229	19.4	16.0	24.0



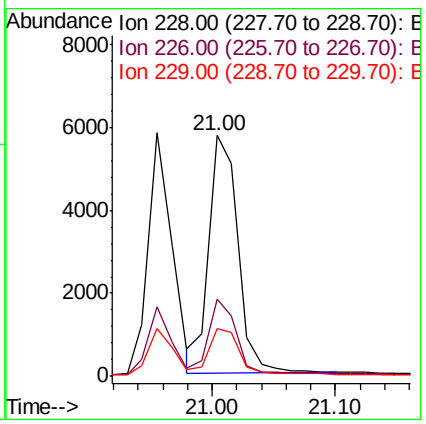


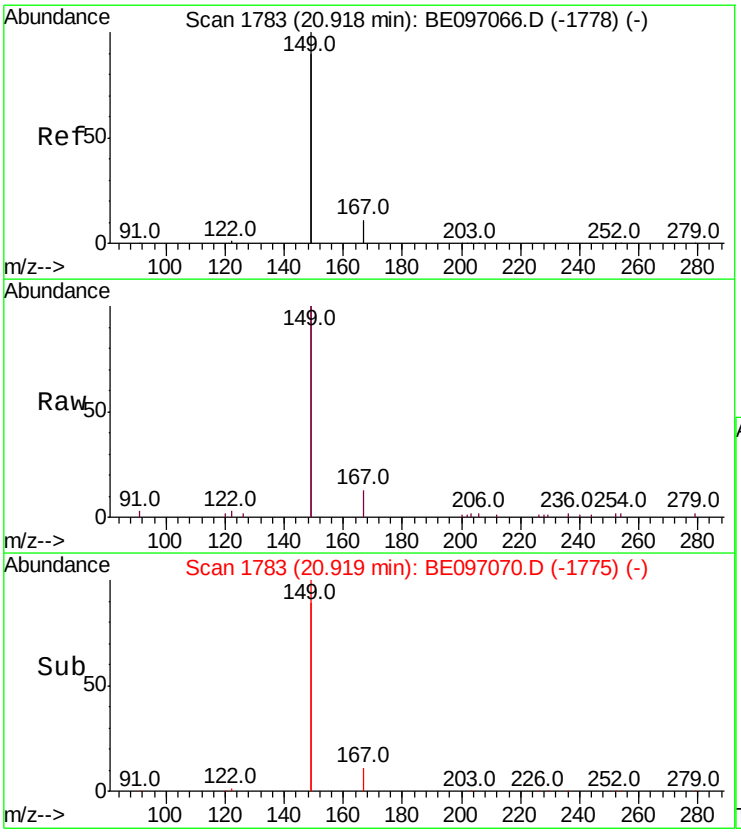
#31
Chrysene
Concen: 0.415 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:228 Resp: 9406

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	19.6	16.0	24.0

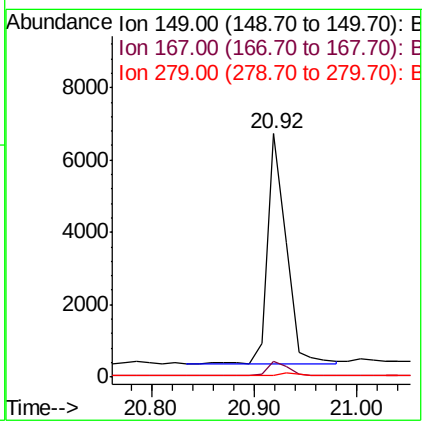


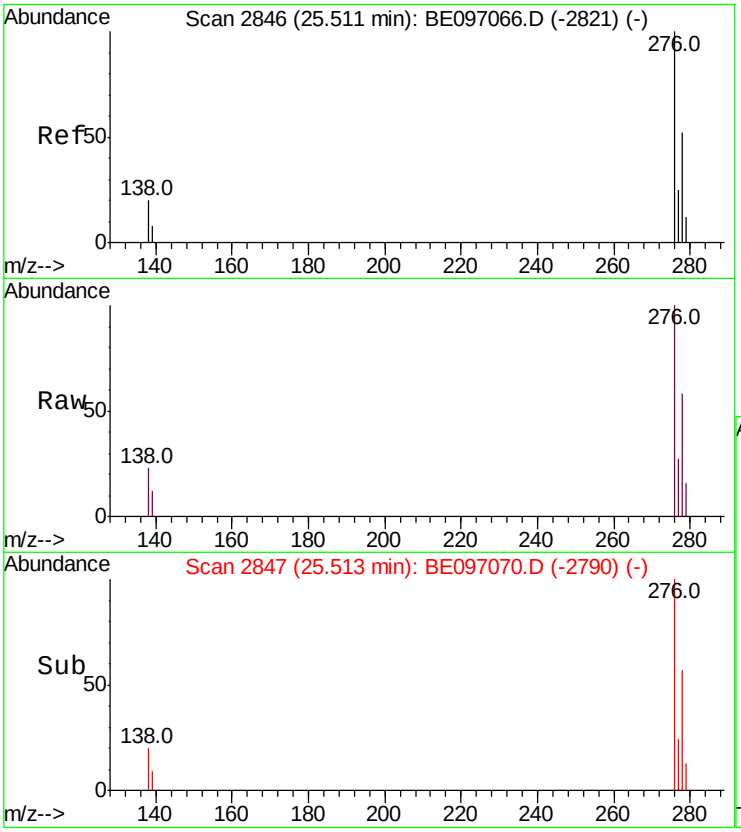


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.365 ng
RT: 20.92 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:149 Resp: 8106

Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	0.9	0.7	1.1



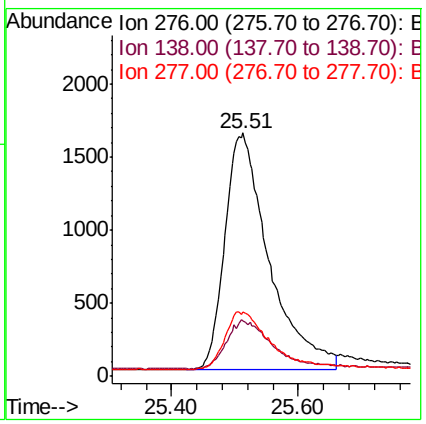


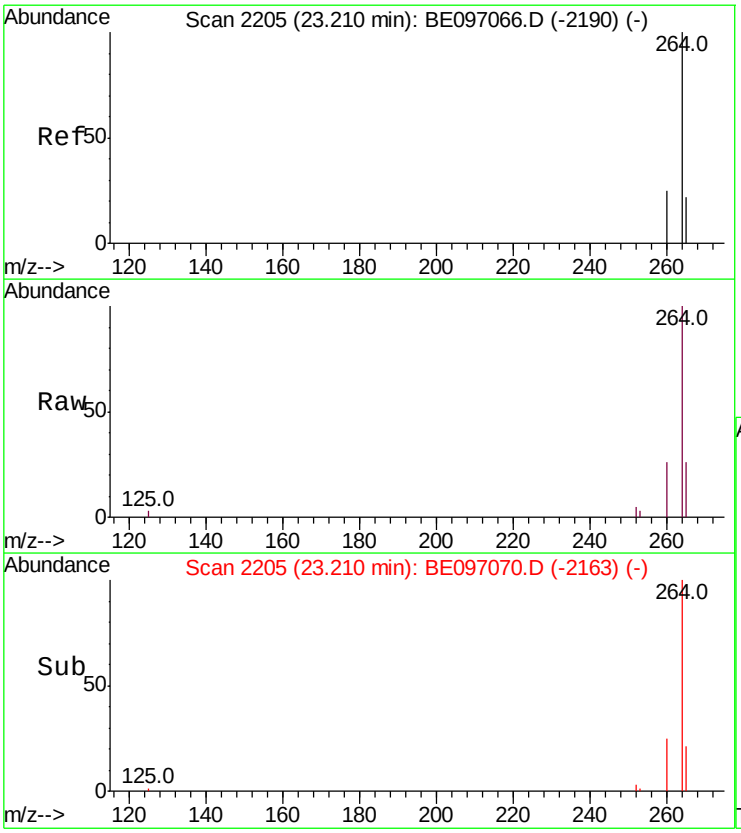
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.382 ng
RT: 25.51 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:276 Resp: 7838

Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	9.2	19.9	29.9#

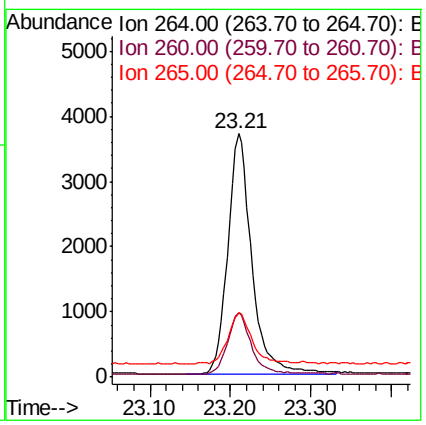


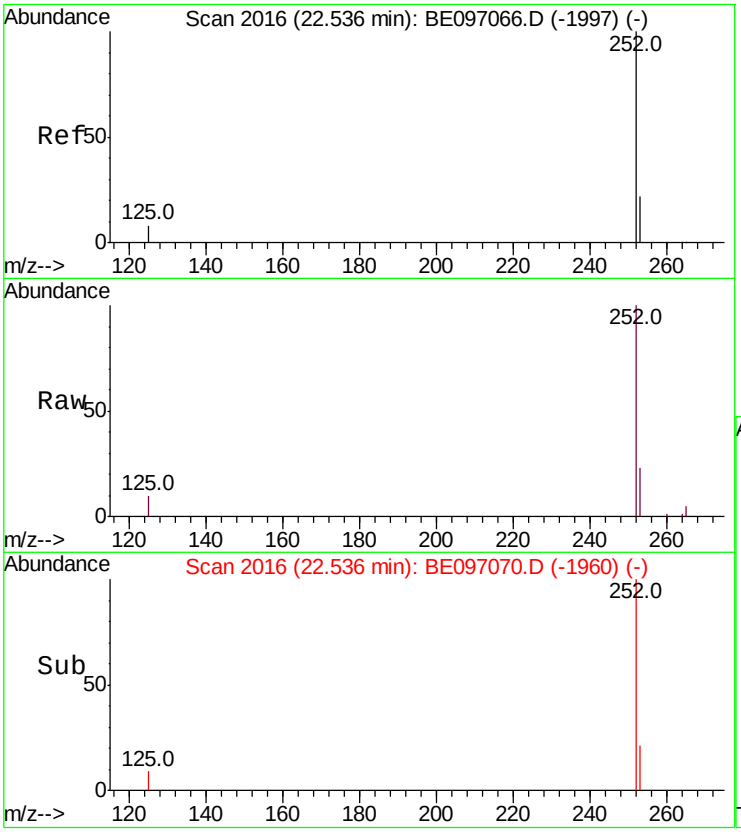


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:264 Resp: 7601

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	26.5	22.8	34.2



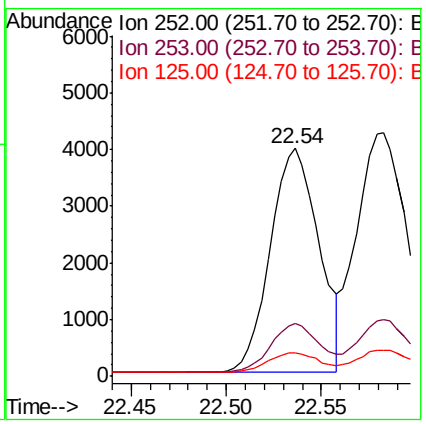


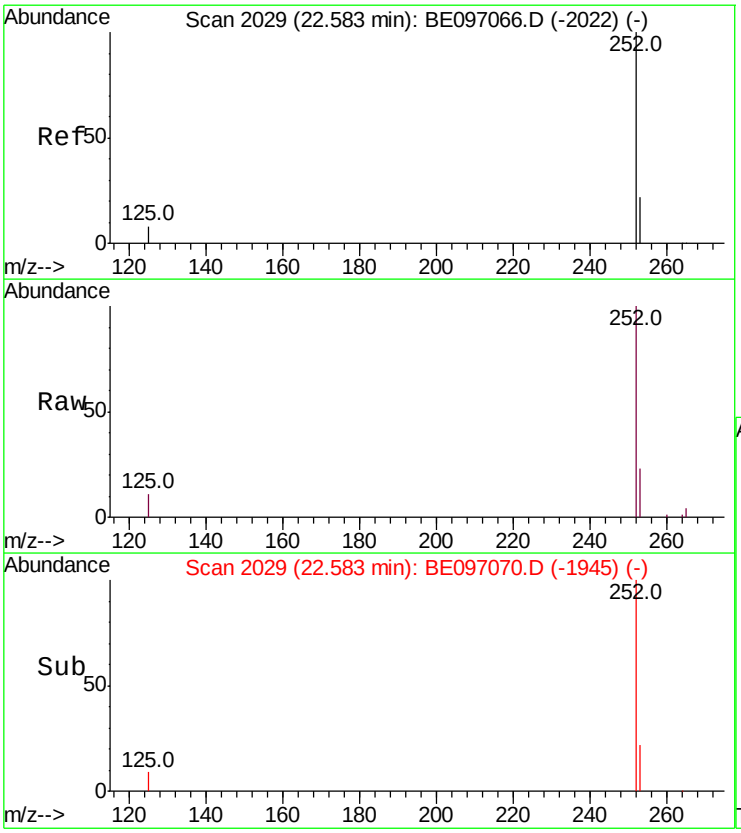
#35
Benzo(b)fluoranthene
Concen: 0.366 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:252 Resp: 7052

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	10.5	16.0	24.0#

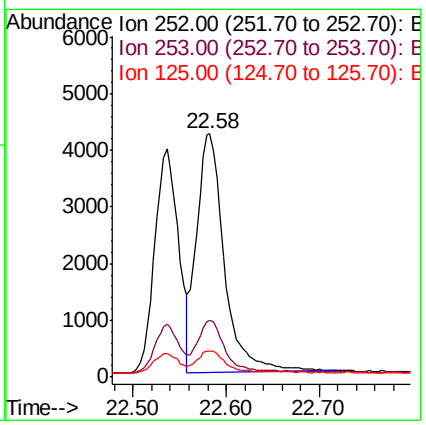


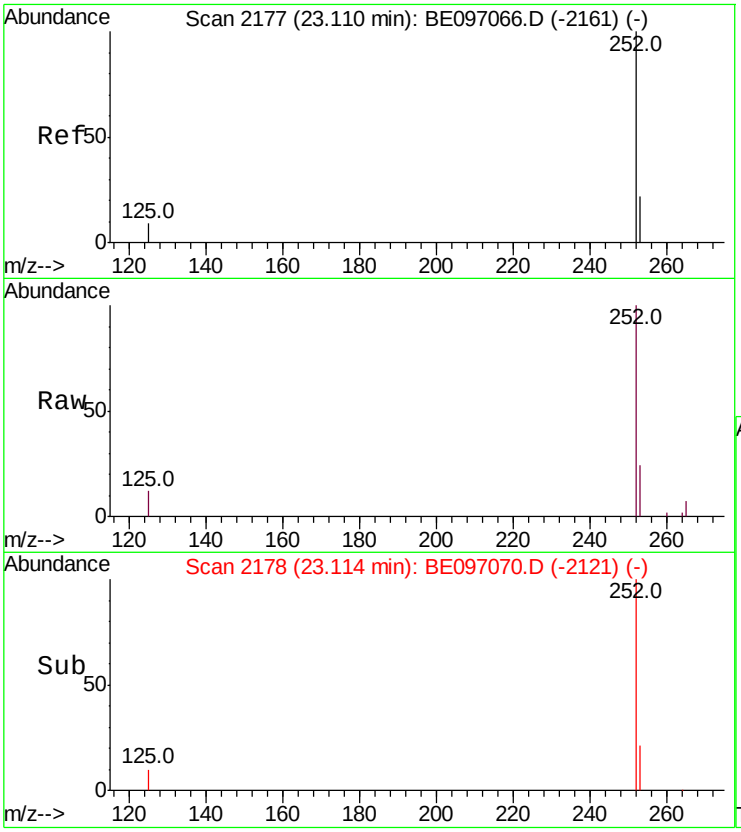


#36
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 22.58 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:252 Resp: 8674

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	10.8	8.0	12.0



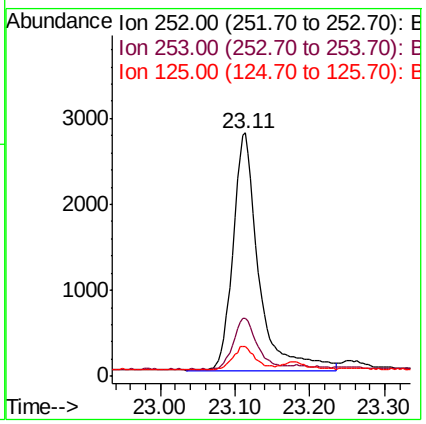


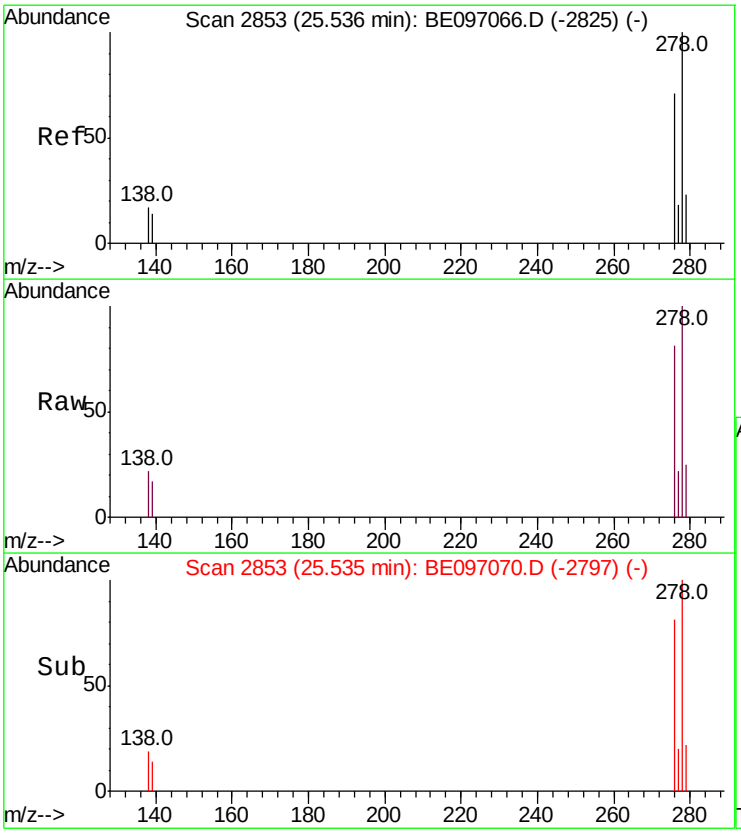
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.11 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:252 Resp: 6621

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	12.1	12.0	18.0

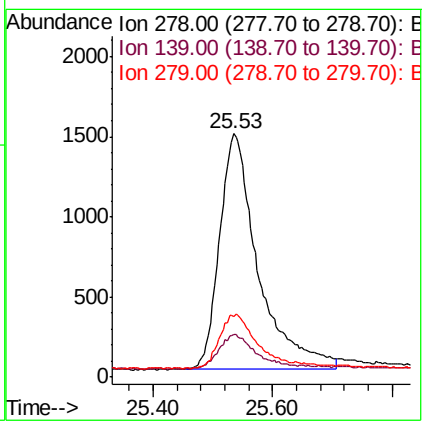


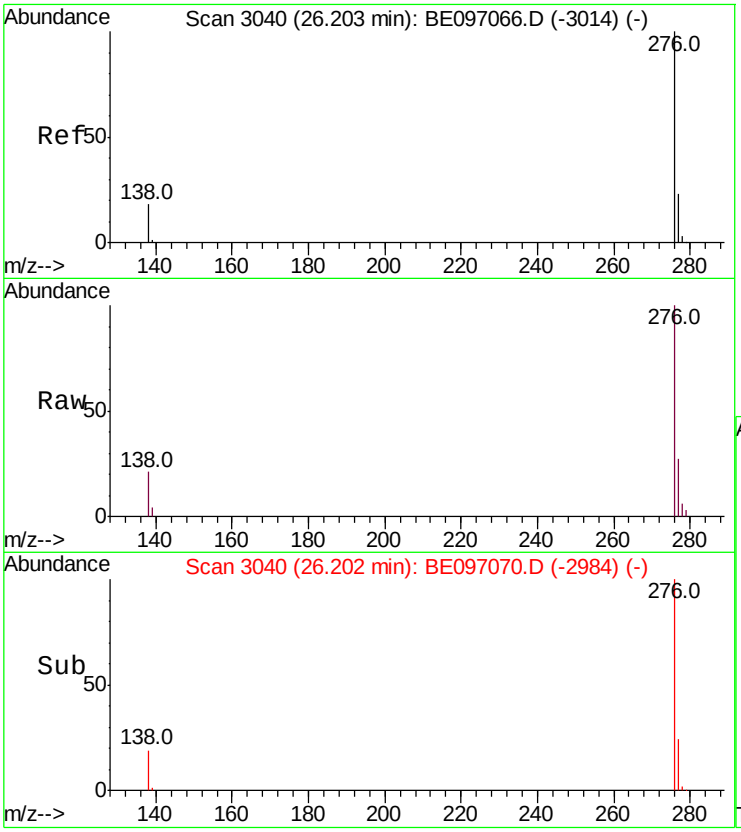


#38
Dibenzo(a,h)anthracene
Concen: 0.366 ng
RT: 25.53 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Tgt Ion:278 Resp: 6624

Ion	Ratio	Lower	Upper
278	100		
139	17.4	16.0	24.0
279	24.8	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 26.20 min Scan# 3040
Delta R.T. -0.00 min
Lab File: BE097070.D
Acq: 24 Jul 2018 13:26

Instrument :
BNA_E
ClientSampleId :
ICVBE072418

Tgt Ion:276 Resp: 7159

Ion	Ratio	Lower	Upper
276	100		
277	26.6	16.0	24.0#
138	21.3	20.0	30.0