Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
Data File : BE097618.D
Acq On : 21 Sep 2018 19:07
Operator : SJ/JU
Sample : PB112884BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 22 04:08:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	1187	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	5138	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	2449	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	5670	0.40	ng		0.01
27) Chrysene-d12	20.97	240	7570	0.40	ng		0.00
34) Perylene-d12	23.21	264	7865	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	1277	0.36	ng		0.01
5) Phenol-d6	6.61	99	1427	0.31	ng		0.00
8) Nitrobenzene-d5	8.53	82	1434	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3666	0.52	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	208	0.27	ng		0.01
15) 2-Fluorobiphenyl	12.62	172	4069	0.47	ng		0.00
25) Fluoranthene-d10	18.80	212	26376	0.36	ng		0.00
29) Terphenyl-d14	19.42	244	4704	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	669	0.322	ng	#	88
3) n-Nitrosodimethylamine	3.38	42	562	0.329	ng	#	85
6) bis(2-Chloroethyl)ether	6.83	93	1334	0.316	ng		88
9) Naphthalene	10.17	128	18731	0.405	ng		99
10) Hexachlorobutadiene	10.46	225	790	0.370	ng		99
12) 2-Methylnaphthalene	11.80	142	2810	0.389	ng		99
16) Acenaphthylene	13.72	152	3717	0.384	ng		99
17) Acenaphthene	14.06	154	2509	0.387	ng		95
18) Fluorene	15.06	166	3188	0.377	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	1006	0.394	ng	#	81
21) Hexachlorobenzene	16.07	284	1161	0.413	ng	#	84
22) Pentachlorophenol	16.45	266	306	0.373	ng		83
23) Phenanthrene	16.80	178	5323	0.395	ng		98
24) Anthracene	16.89	178	4554	0.383	ng		96
26) Fluoranthene	18.83	202	6368	0.341	ng		99
28) Pyrene	19.20	202	6456	0.375	ng		100
30) Benzo(a)anthracene	20.95	228	7376	0.387	ng		97
31) Chrysene	21.00	228	8438	0.413	ng		100
32) Bis(2-ethylhexyl)phthalate	20.91	149	7428	0.242	ng		100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10804	0.439	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	8339	0.414	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	9651	0.419	ng		94
37) Benzo(a)pyrene	23.11	252	8227	0.420	ng	#	92
38) Dibenzo(a,h)anthracene	25.52	278	8919	0.422	ng	#	94
39) Benzo(g,h,i)perylene	26.20	276	8935	0.435	ng	#	89

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
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Acq On : 21 Sep 2018 19:07
Operator : SJ/JU
Sample : PB112884BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 22 04:08:52 2018
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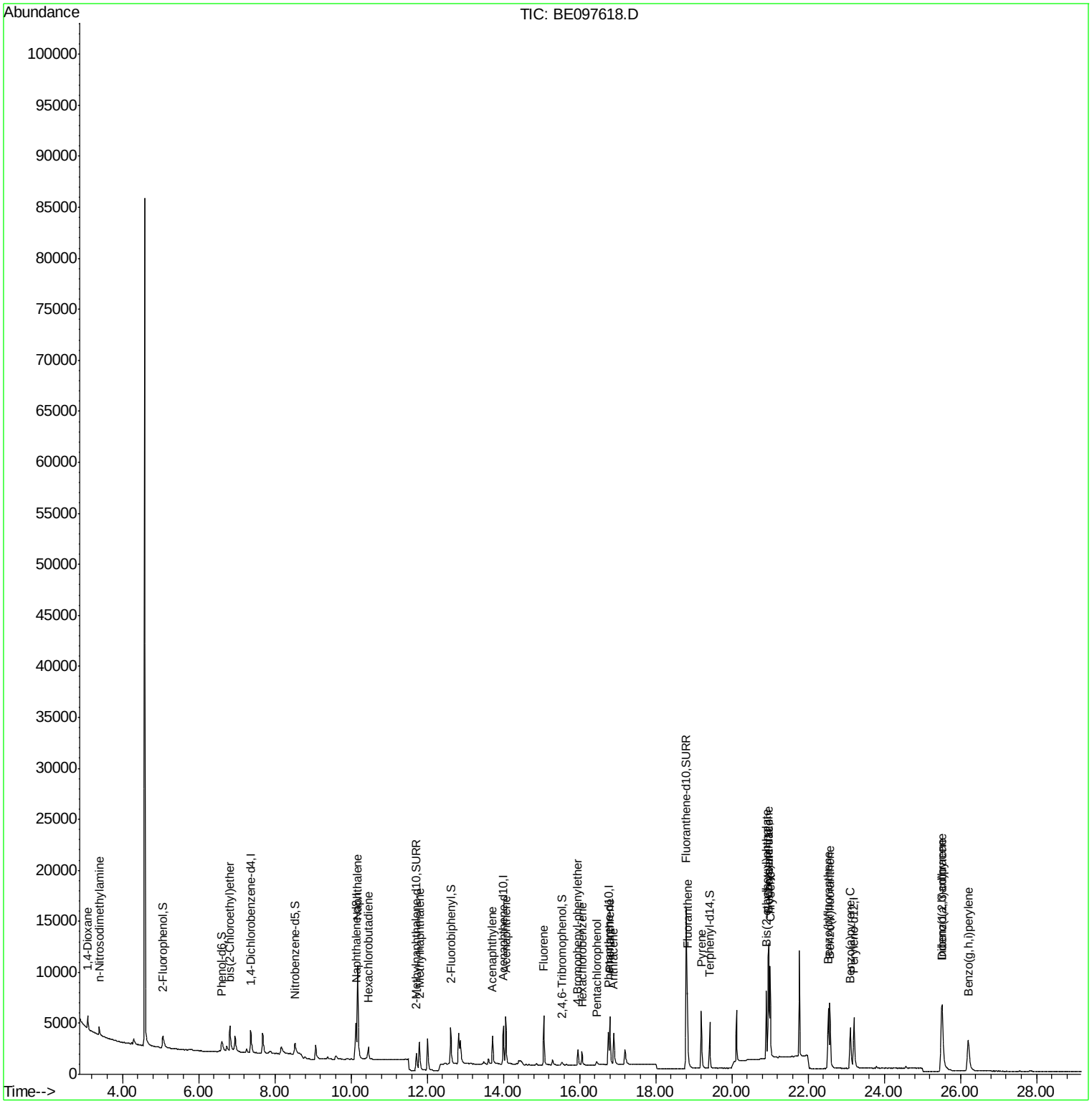
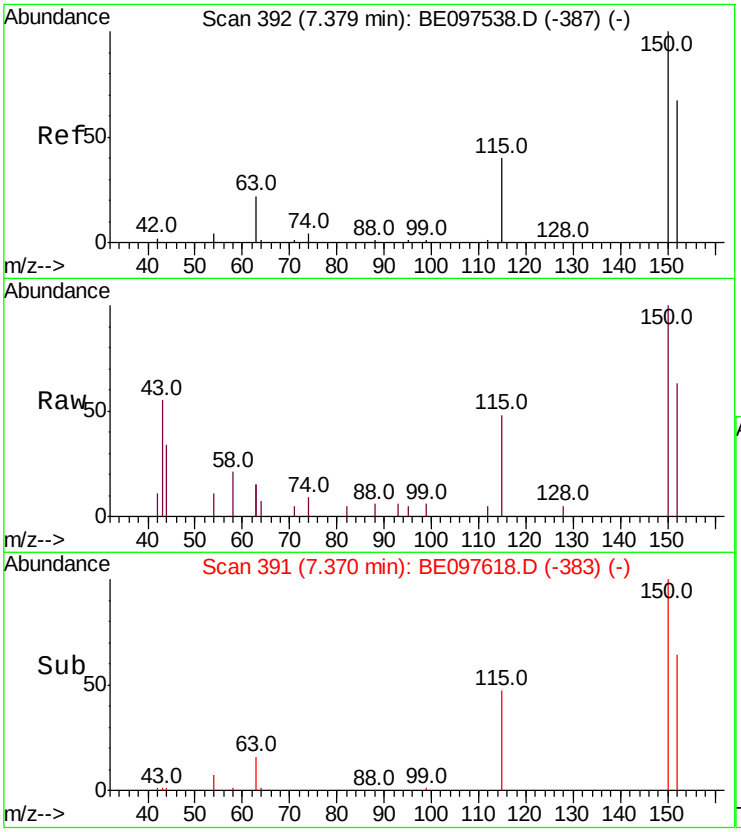
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



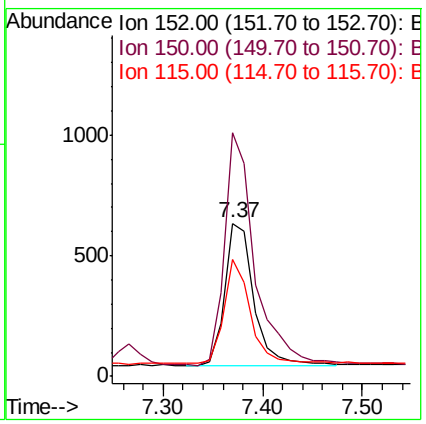


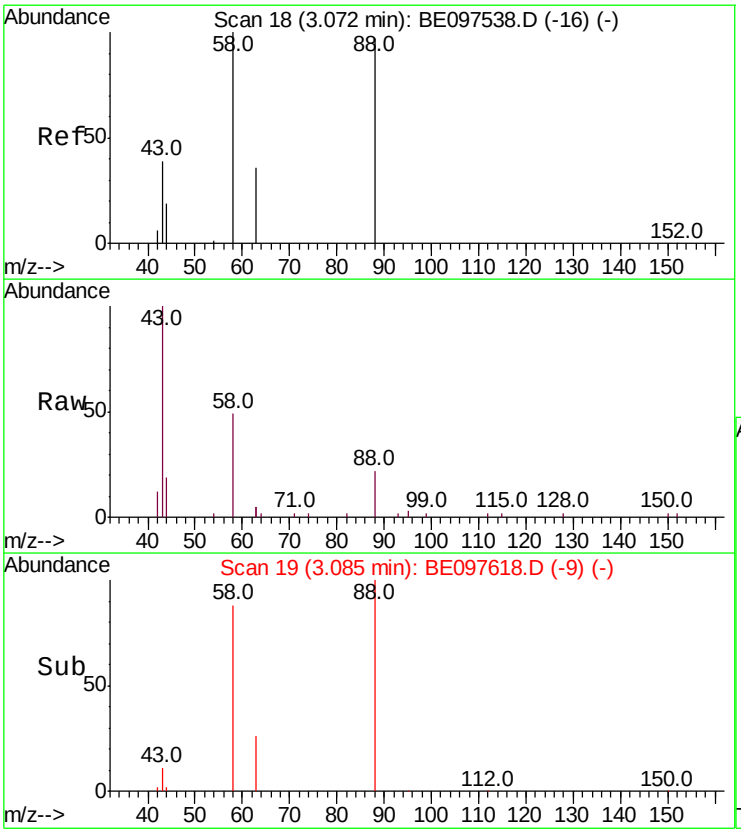
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1187

Ion	Ratio	Lower	Upper
152	100		
150	158.9	117.2	175.8
115	76.5	57.0	85.6

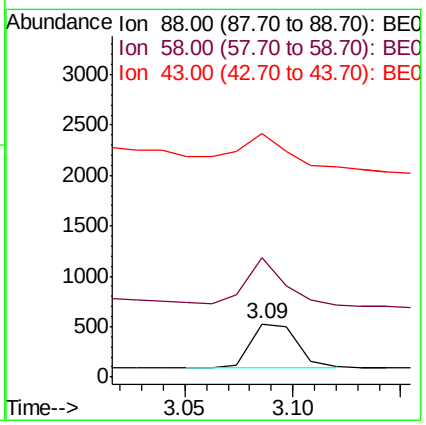


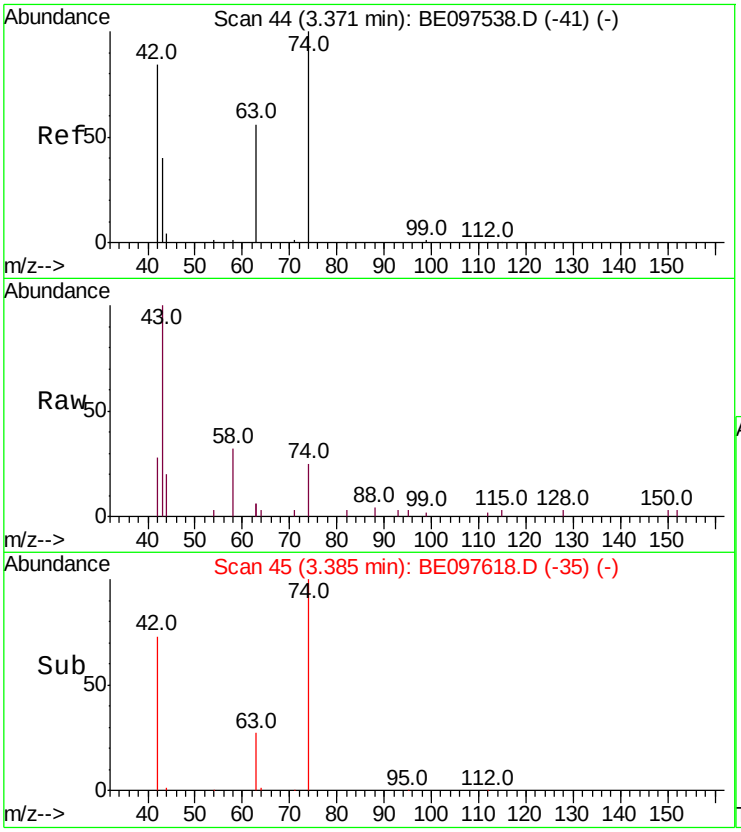


#2
1,4-Dioxane
Concen: 0.322 ng
RT: 3.09 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion: 88 Resp: 669

Ion	Ratio	Lower	Upper
88	100		
58	81.9	63.2	94.8
43	68.6	41.2	61.8#



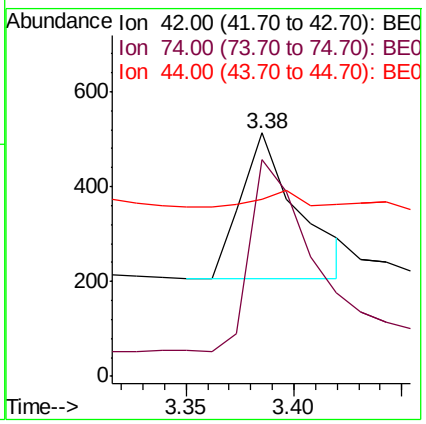


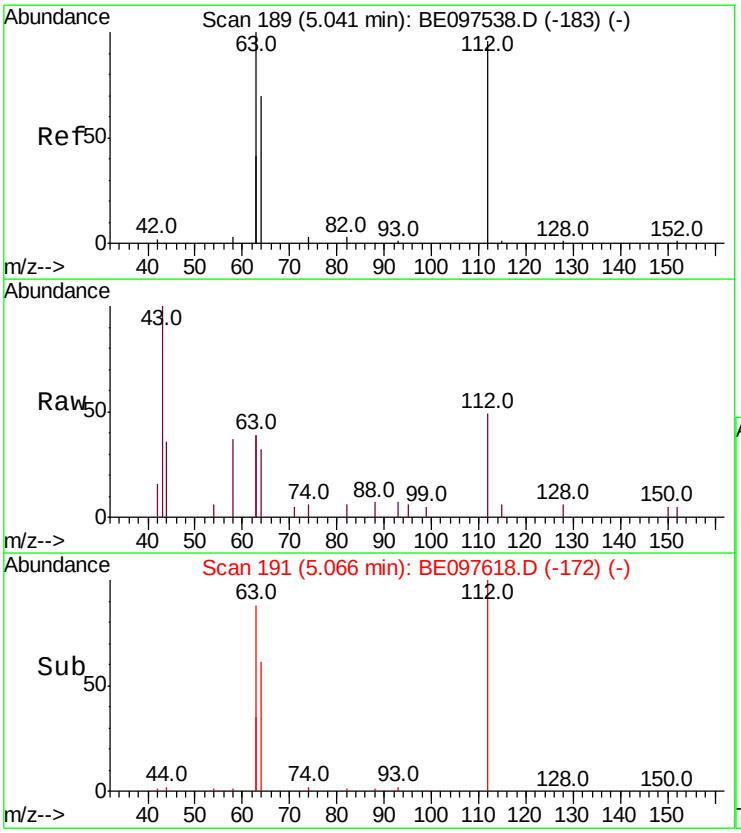
#3
n-Nitrosodimethylamine
Concen: 0.329 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 562

Ion	Ratio	Lower	Upper
42	100		
74	135.6	96.0	144.0
44	7.3	12.0	18.0#

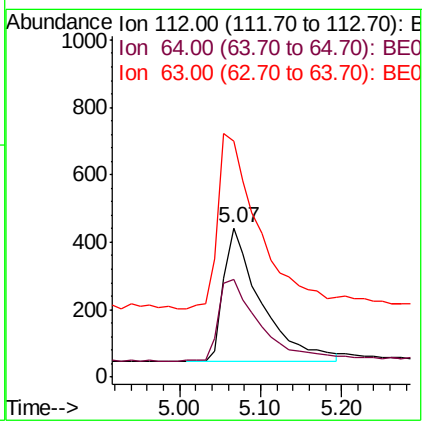


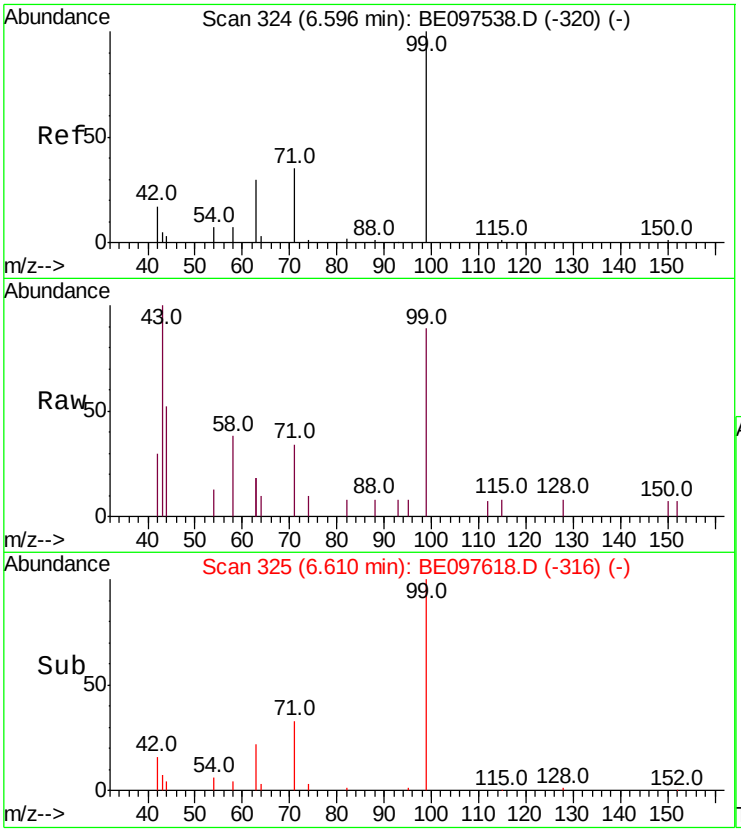


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 5.07 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:112 Resp: 1277

Ion	Ratio	Lower	Upper
112	100		
64	67.3	60.1	90.1
63	143.1	116.8	175.2



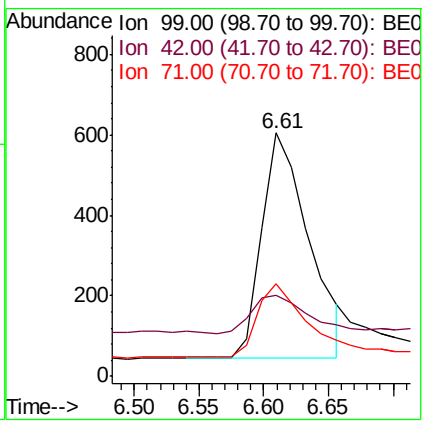


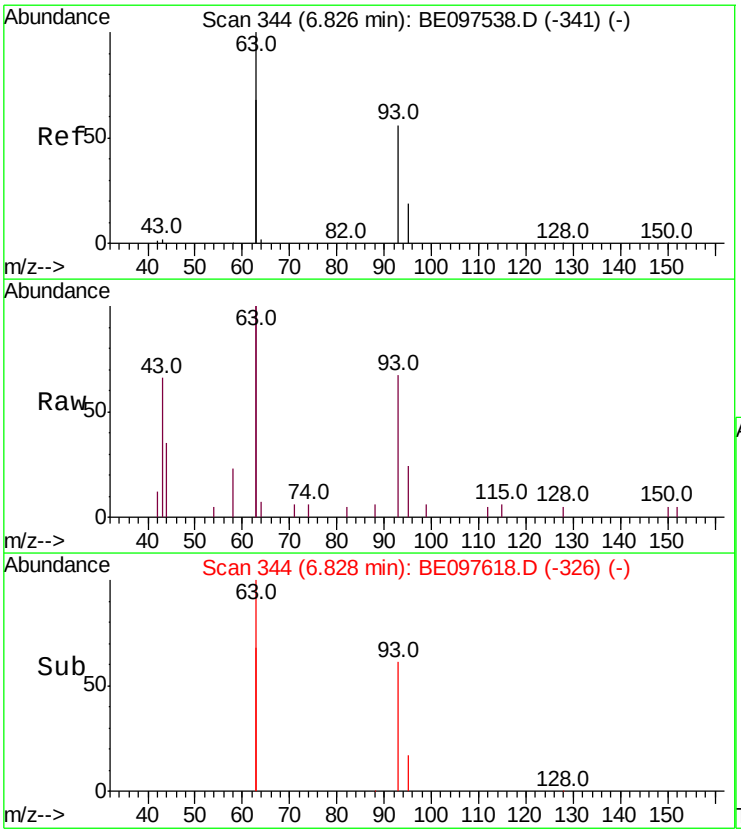
#5
Phenol-d6
Concen: 0.314 ng
RT: 6.61 min Scan# 325
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1427

Ion	Ratio	Lower	Upper
99	100		
42	20.0	20.2	30.2#
71	32.9	28.4	42.6

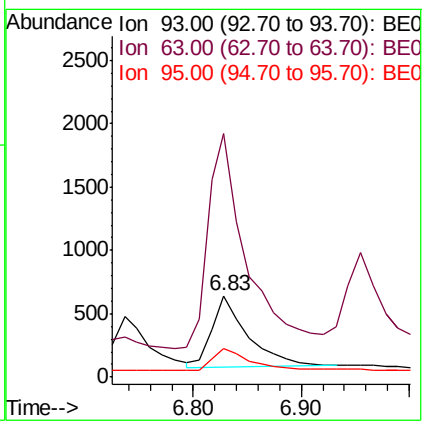


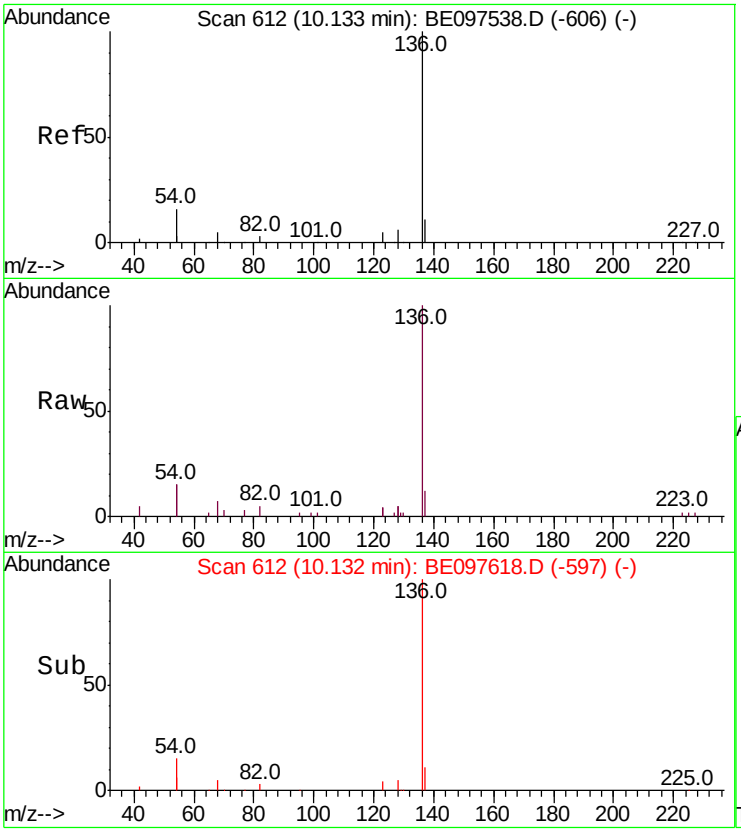


#6
bis(2-Chloroethyl)ether
Concen: 0.316 ng
RT: 6.83 min Scan# 344
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion: 93 Resp: 1334

Ion	Ratio	Lower	Upper
93	100		
63	316.6	275.3	412.9
95	33.0	25.2	37.8



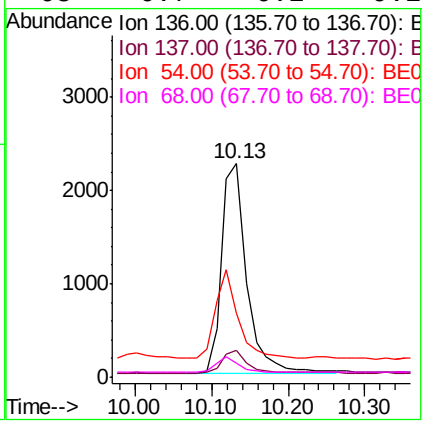


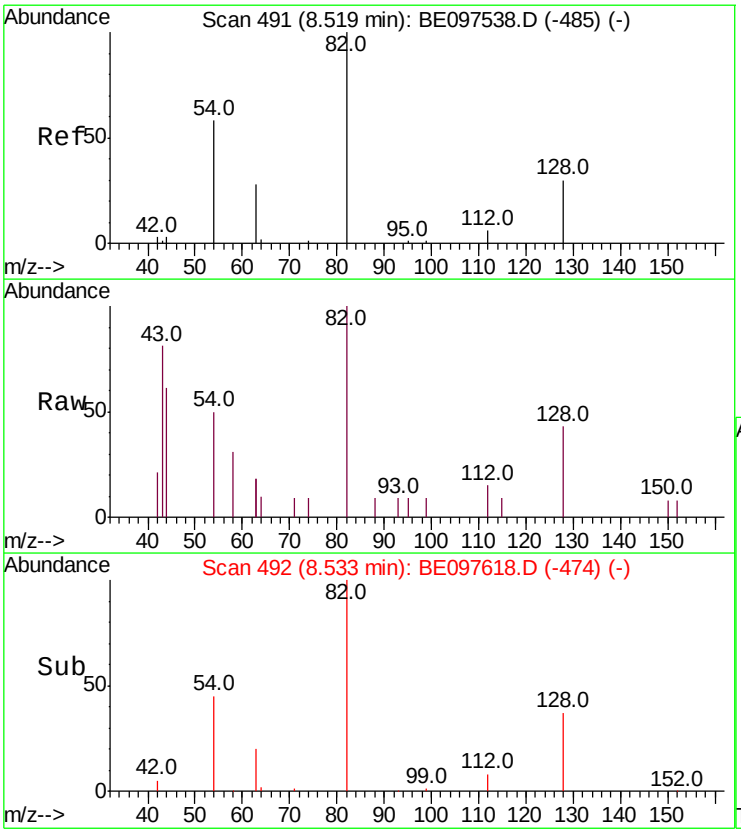
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 5138

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	30.2	29.1	43.7
68	6.7	6.2	9.2

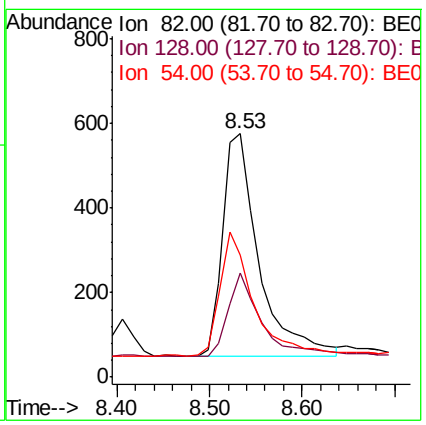


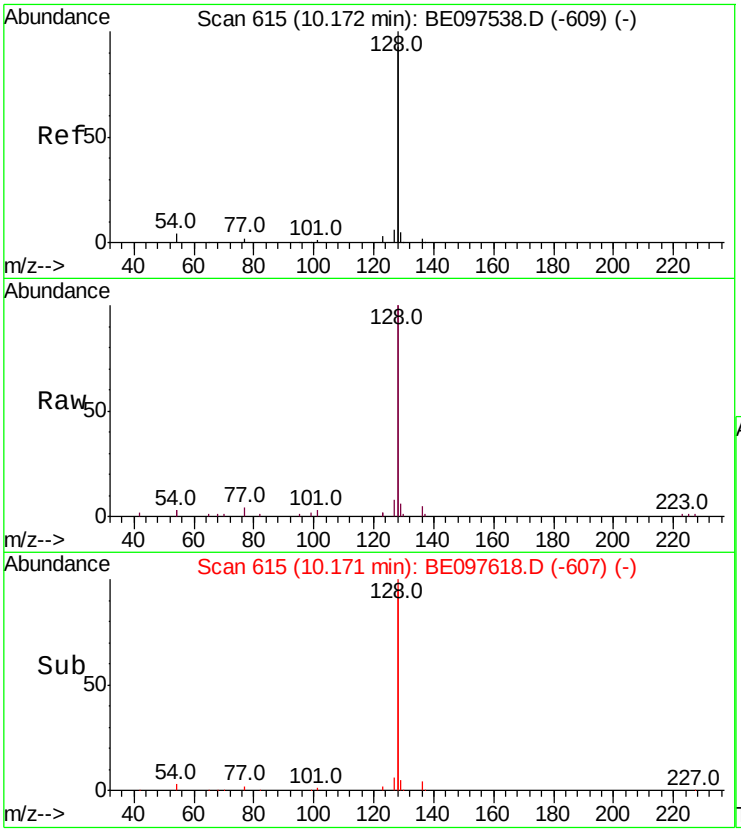


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion: 82 Resp: 1434

Ion	Ratio	Lower	Upper
82	100		
128	42.9	24.0	36.0#
54	50.2	40.0	60.0



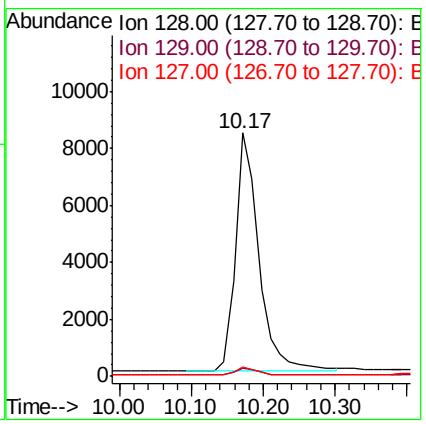


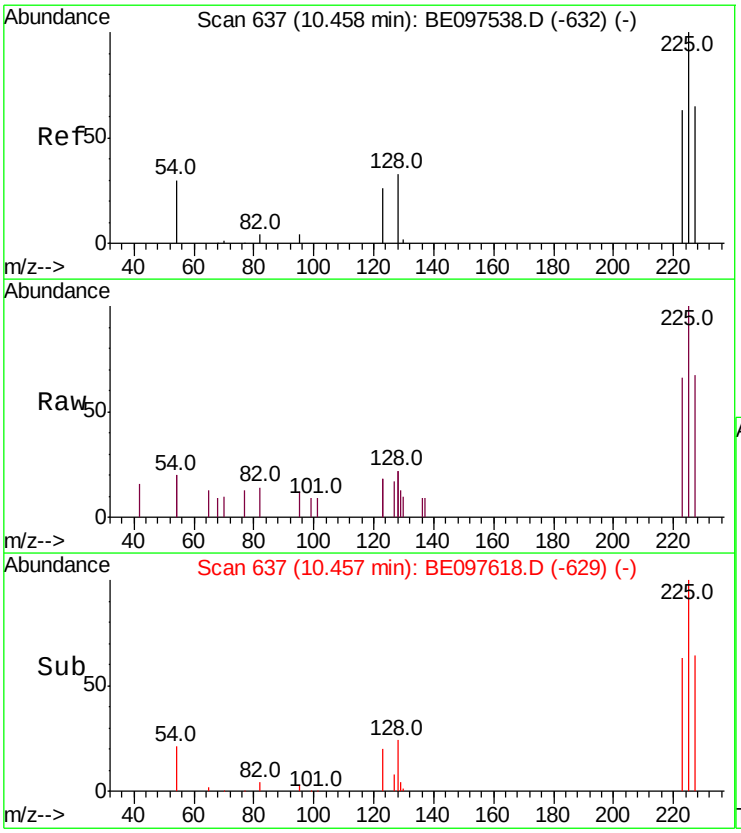
#9
Naphthalene
Concen: 0.405 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 18731

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

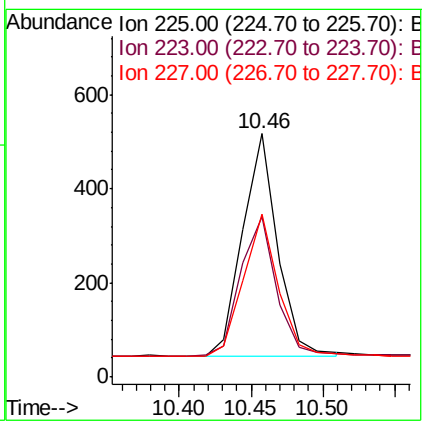


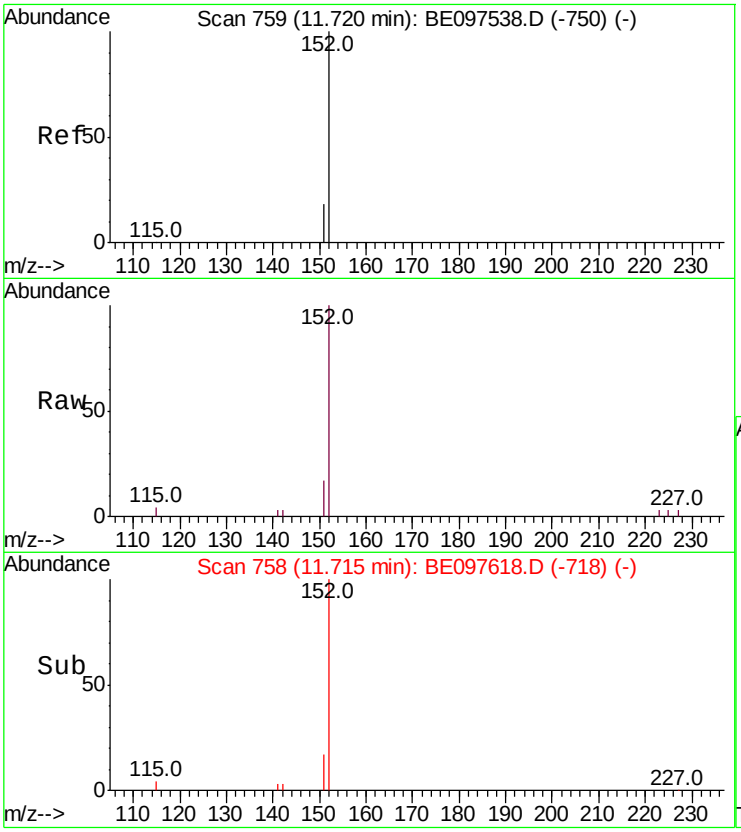


#10
Hexachlorobutadiene
Concen: 0.370 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:225 Resp: 790

Ion	Ratio	Lower	Upper
225	100		
223	65.3	53.0	79.6
227	64.9	51.4	77.2



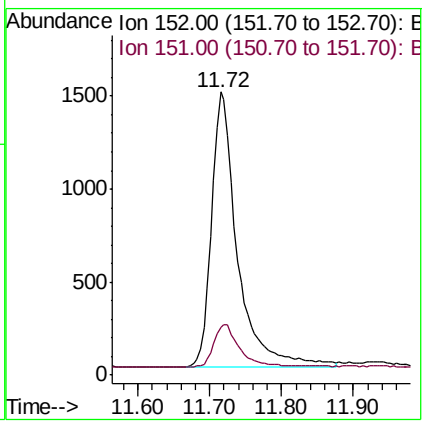


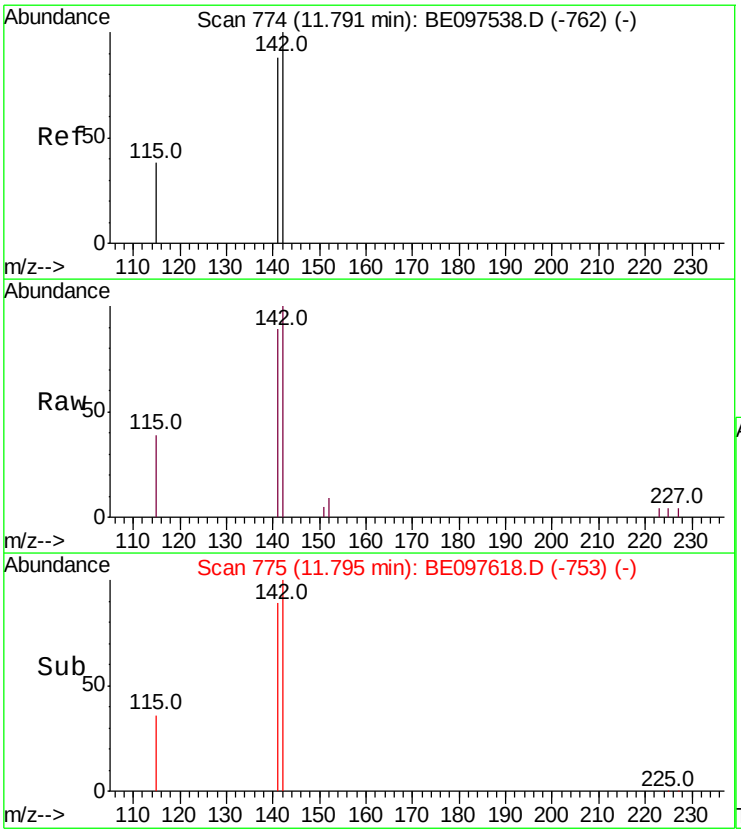
#11
2-Methylnaphthalene-d10
Concen: 0.518 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 3666

Ion	Ratio	Lower	Upper
152	100		
151	14.2	15.4	23.0#

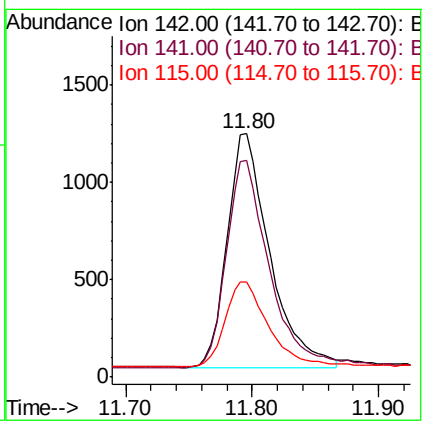


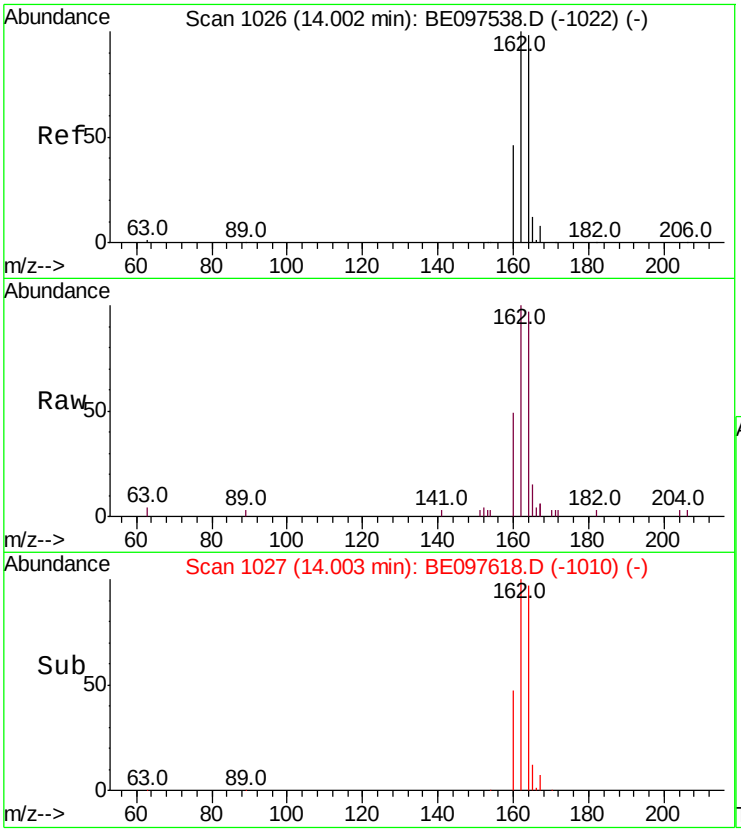


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:142 Resp: 2810

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	39.0	31.7	47.5



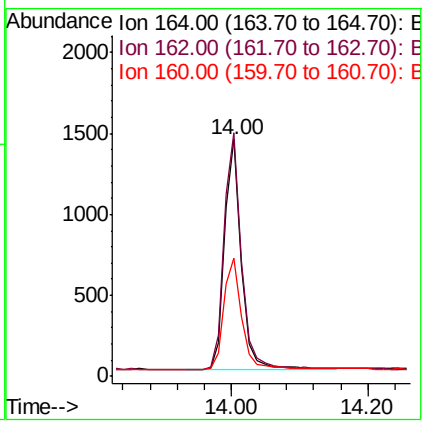


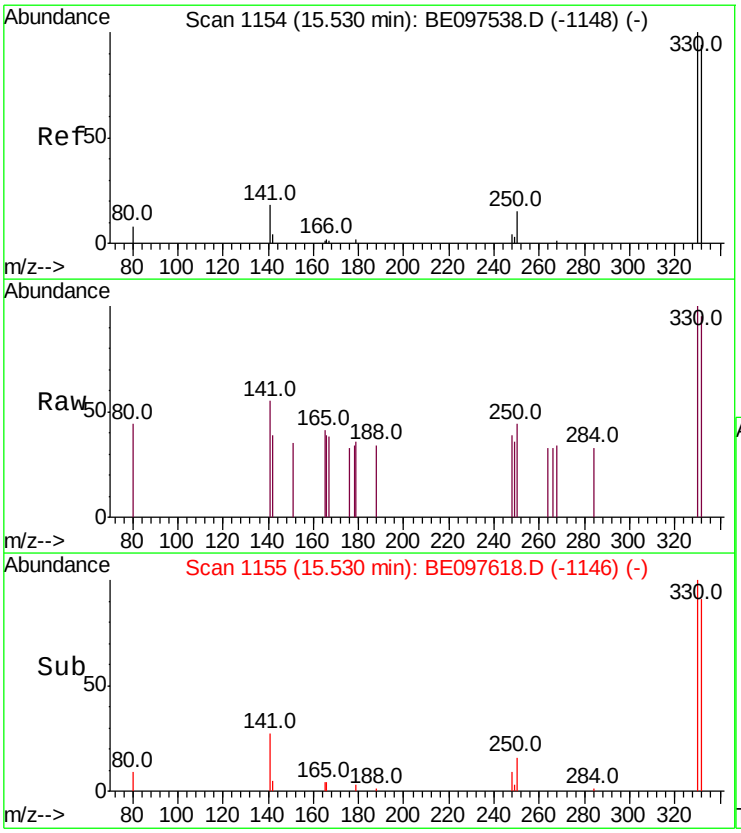
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2449

Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.1	124.7
160	49.8	37.1	55.7

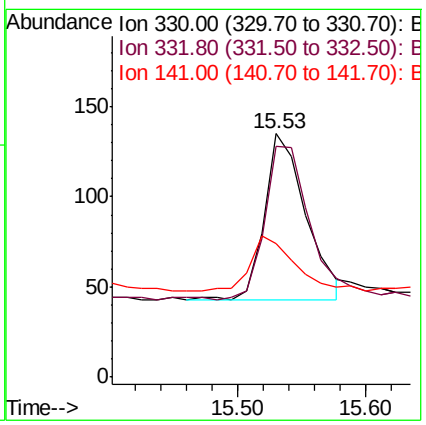


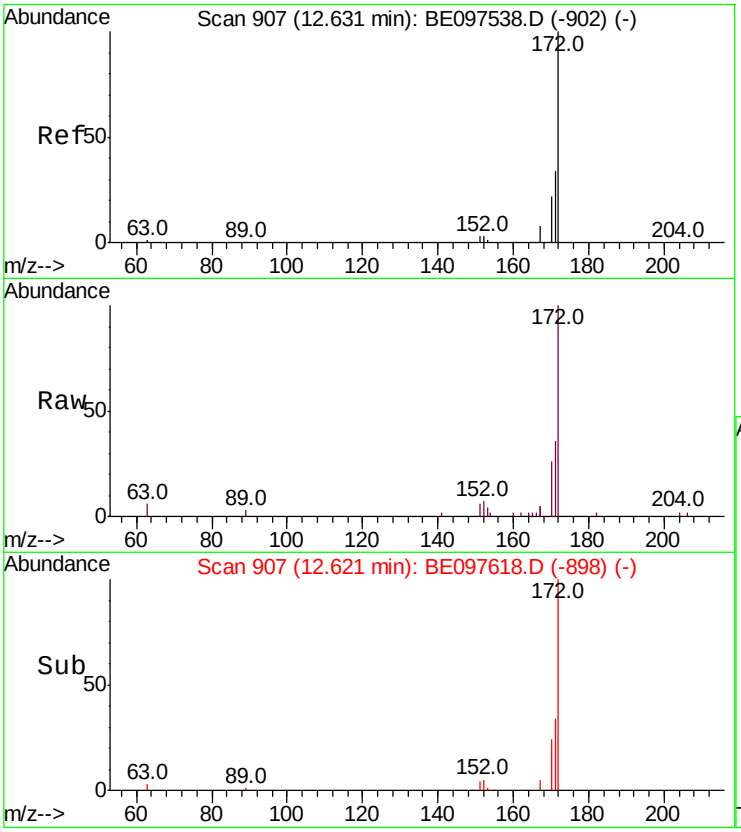


#14
2,4,6-Tribromophenol
Concen: 0.272 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:330 Resp: 208

Ion	Ratio	Lower	Upper
330	100		
332	99.0	152.7	229.1#
141	33.7	33.7	50.5#



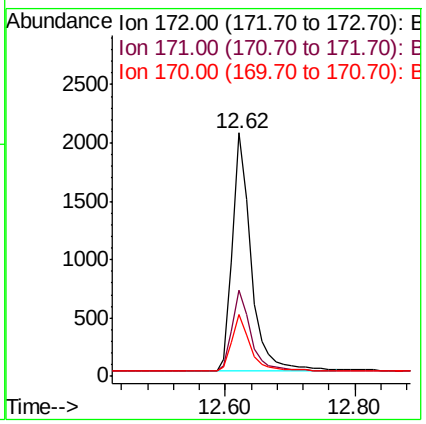


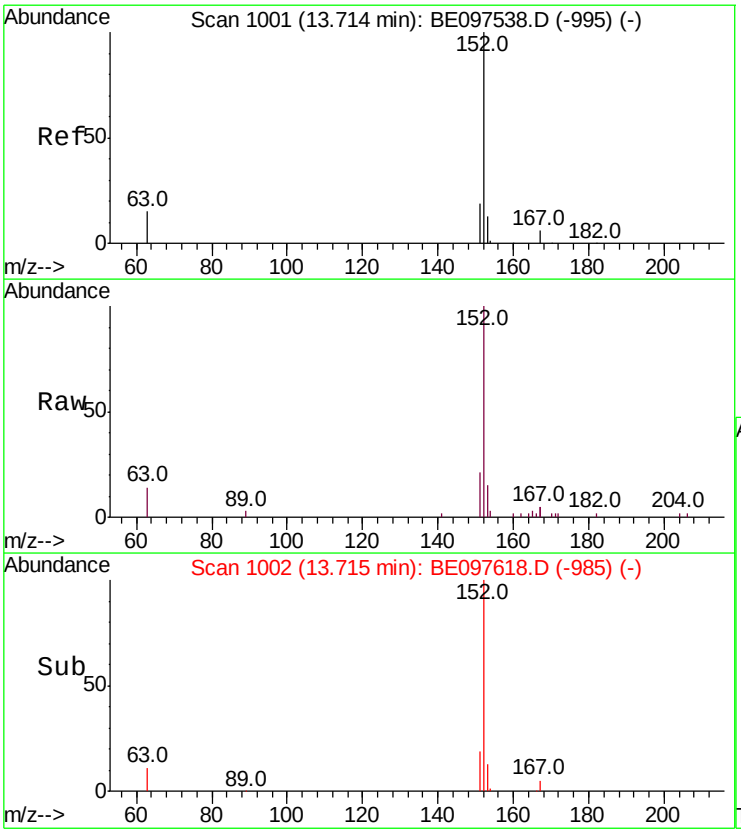
#15
2-Fluorobiphenyl
Concen: 0.470 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 4069

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.9	44.9
170	25.5	21.8	32.8

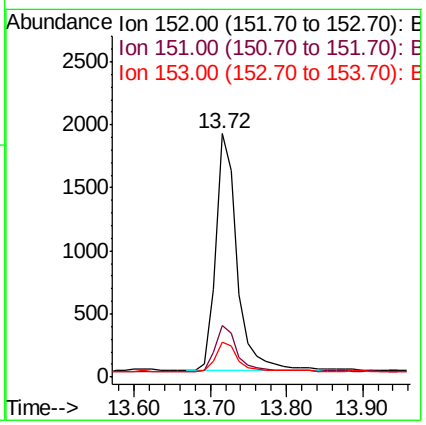


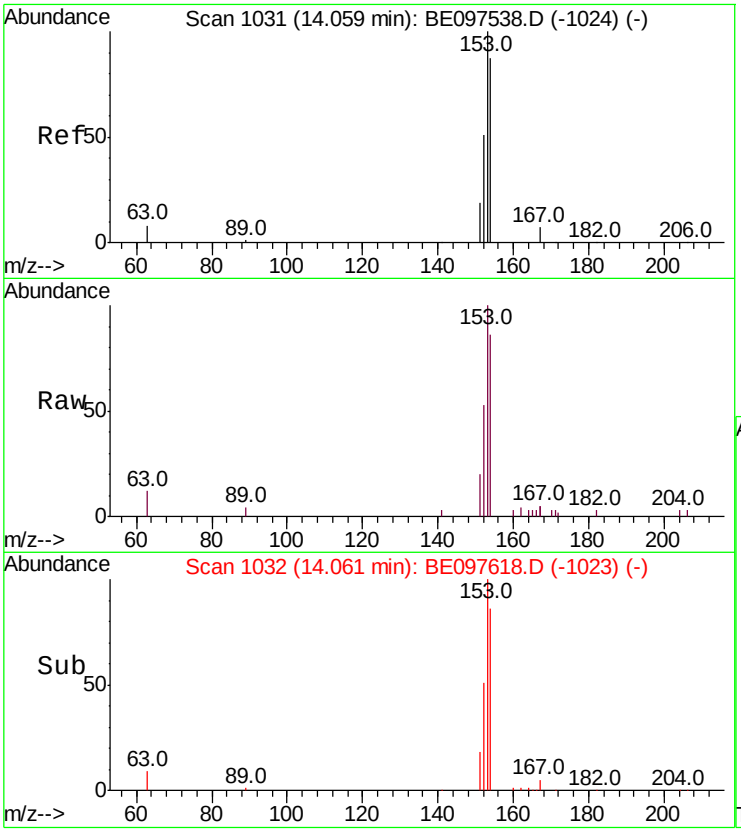


#16
Acenaphthylene
Concen: 0.384 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:152 Resp: 3717

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	12.9	10.5	15.7



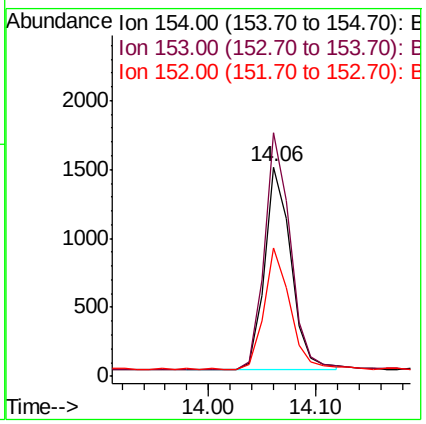


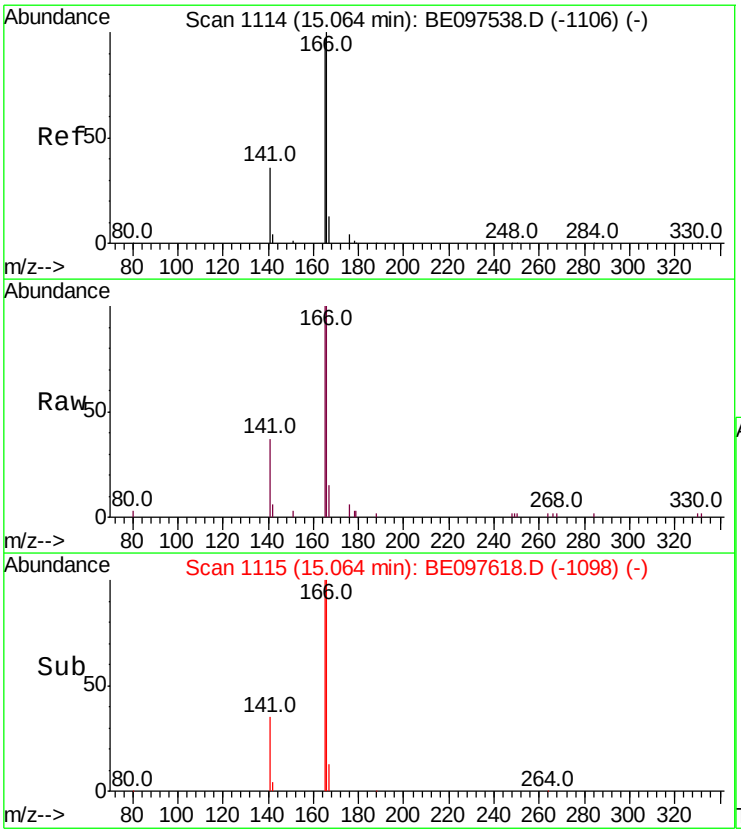
#17
Acenaphthene
Concen: 0.387 ng
RT: 14.06 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2509

Ion	Ratio	Lower	Upper
154	100		
153	115.1	89.2	133.8
152	58.0	42.0	63.0

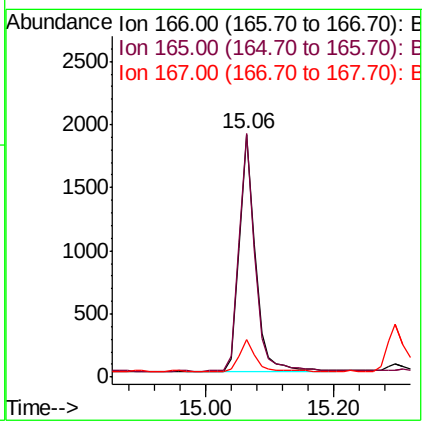


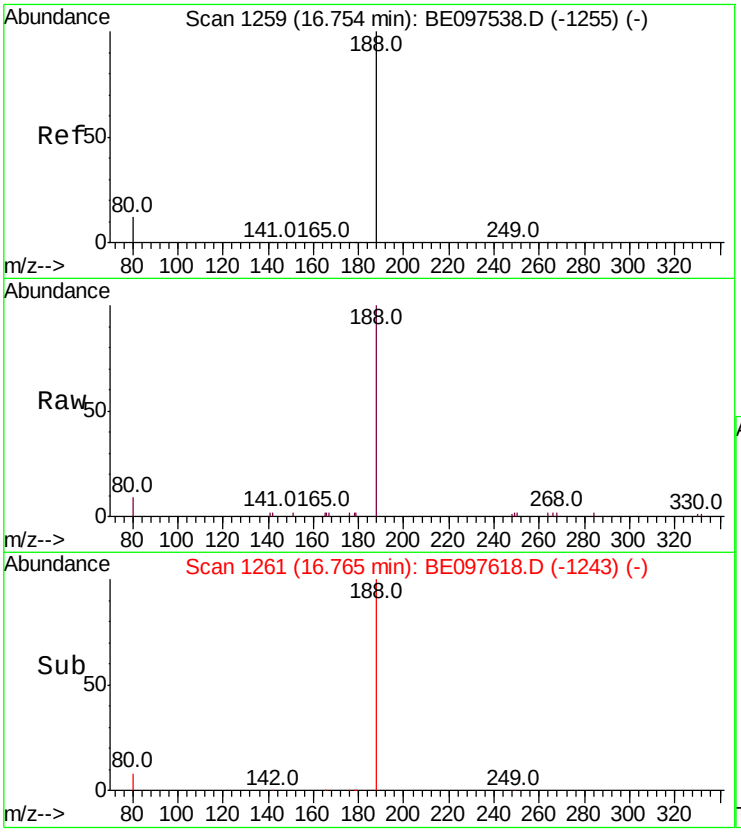


#18
Fluorene
Concen: 0.377 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:166 Resp: 3188

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.6
167	13.2	42.4	63.6#



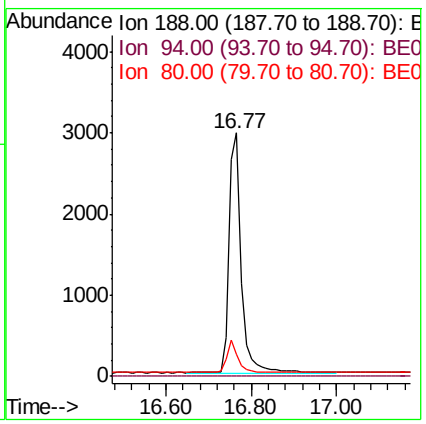


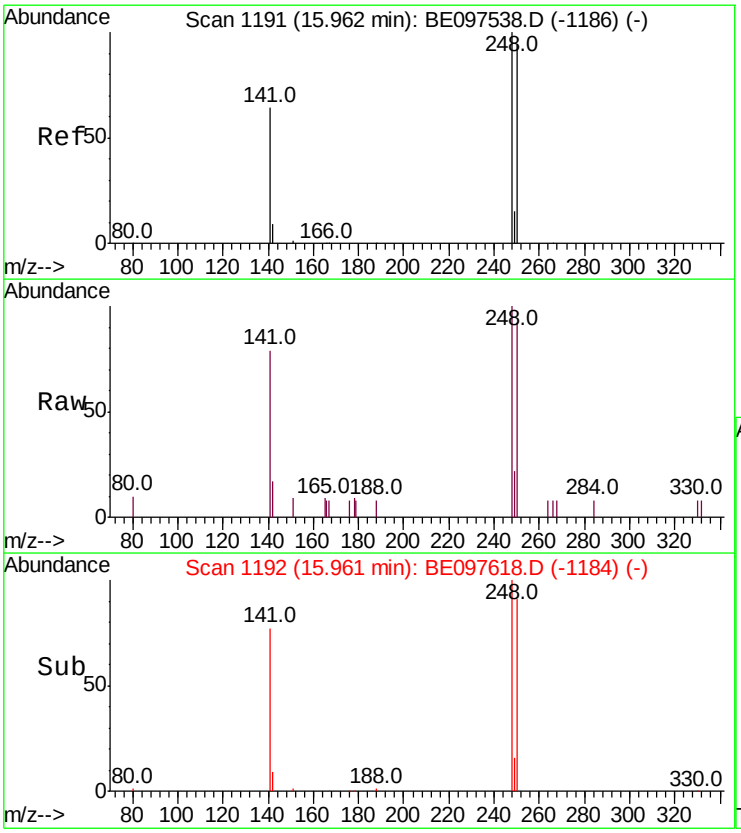
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5670

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.3	3.6	5.4#

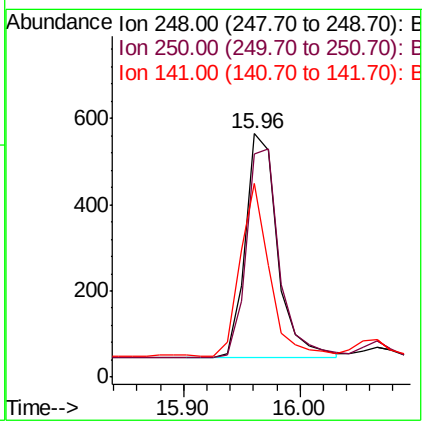


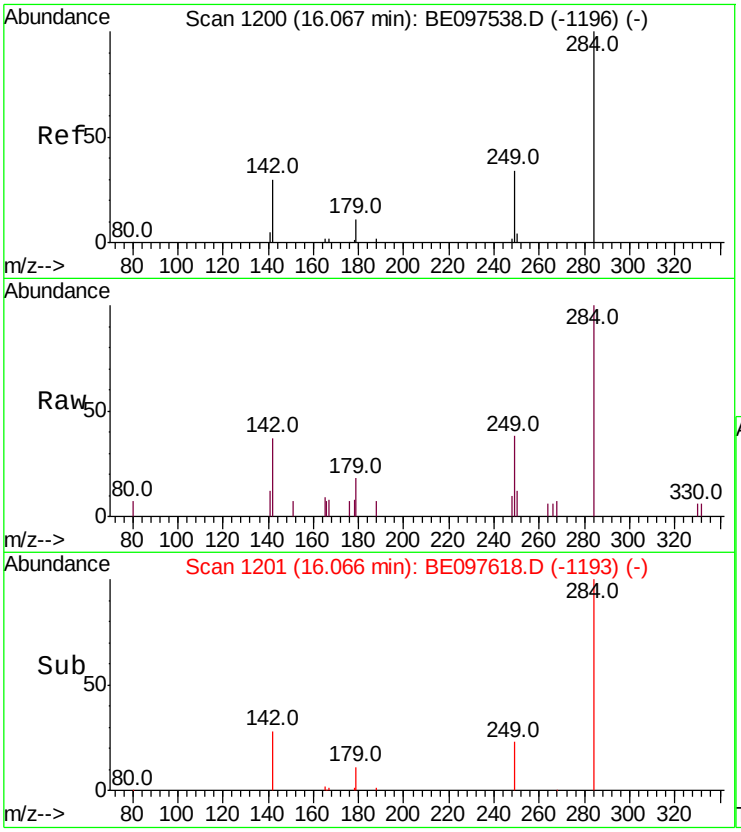


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:248 Resp: 1006

Ion	Ratio	Lower	Upper
248	100		
250	91.5	62.7	94.1
141	79.3	48.2	72.2#



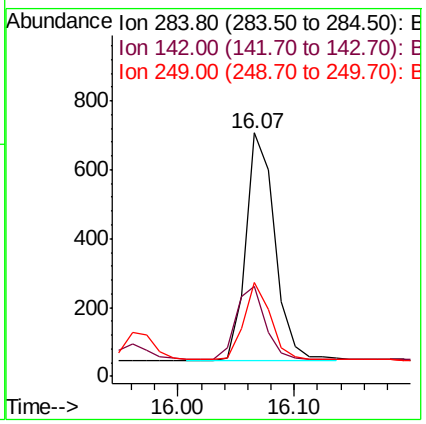


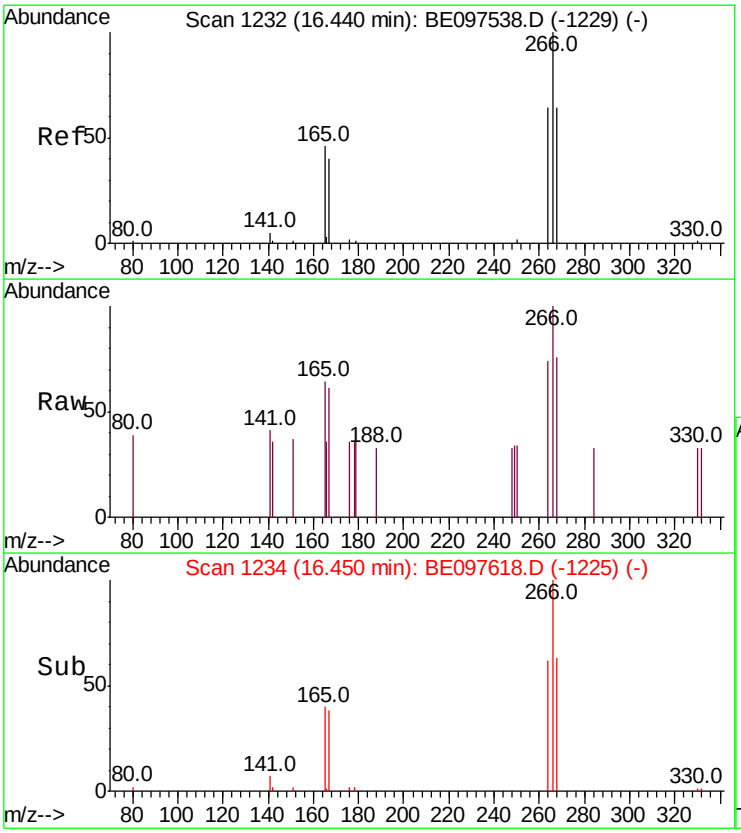
#21
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1161

Ion	Ratio	Lower	Upper
284	100		
142	32.3	22.1	33.1
249	30.6	34.8	52.2#

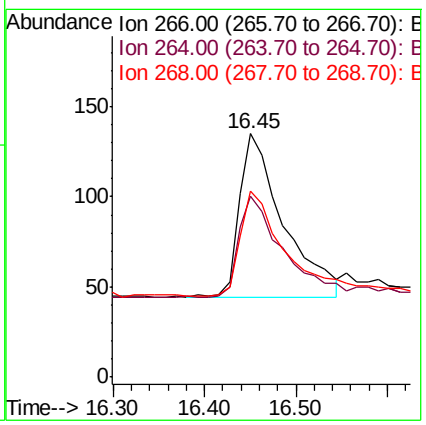


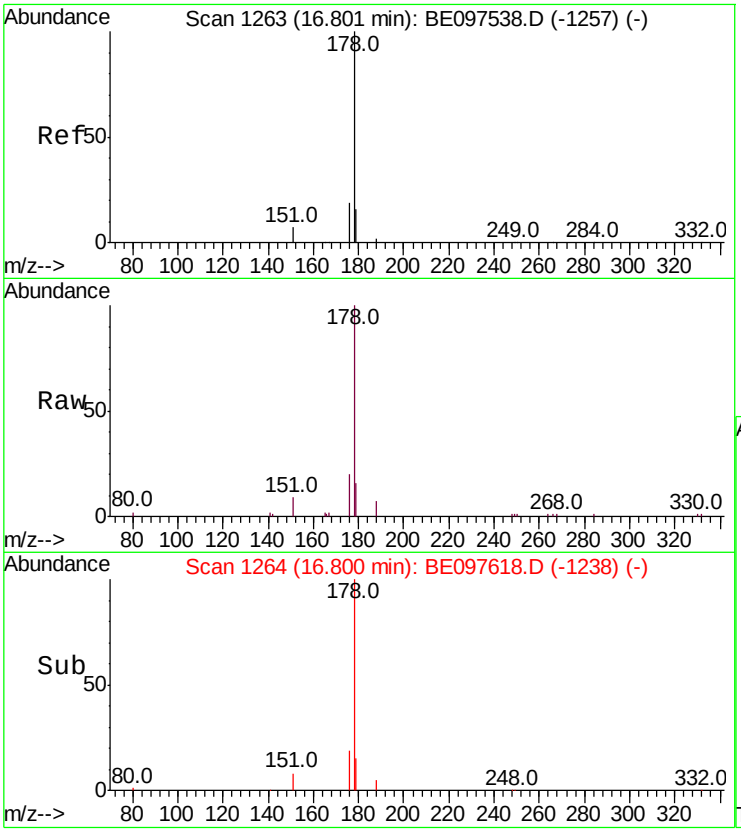


#22
Pentachlorophenol
Concen: 0.373 ng
RT: 16.45 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:266 Resp: 306

Ion	Ratio	Lower	Upper
266	100		
264	74.1	72.5	108.7
268	76.3	73.8	110.6



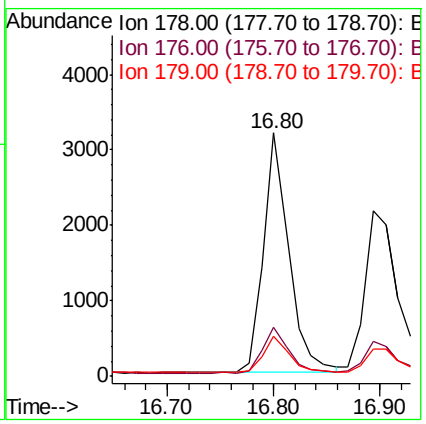


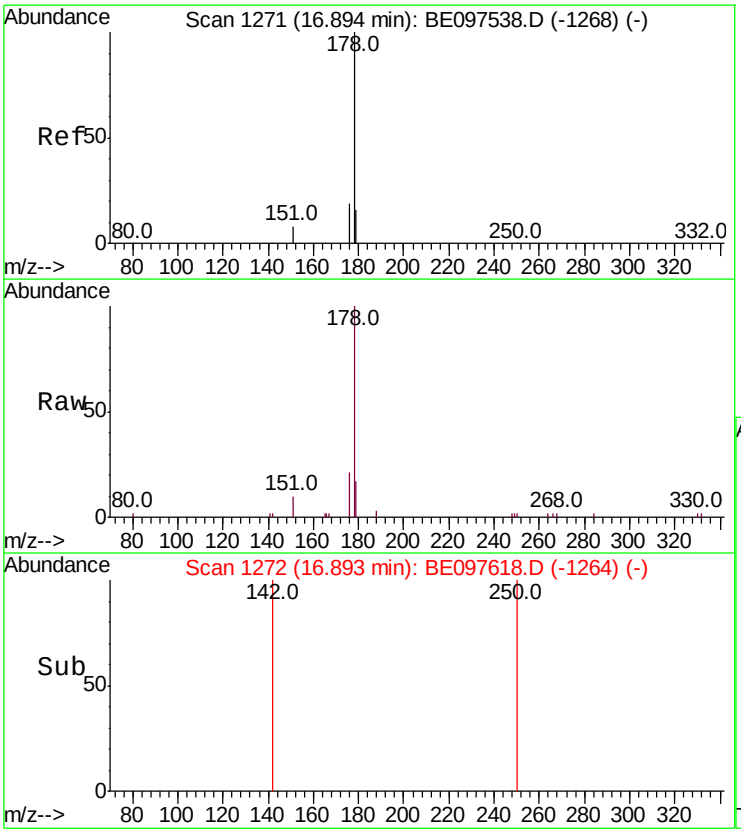
#23
Phenanthrene
Concen: 0.395 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5323

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.7	11.8	17.6

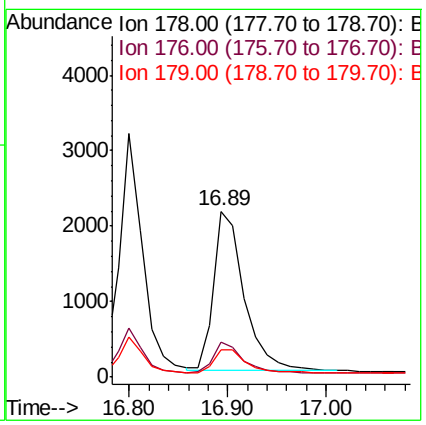


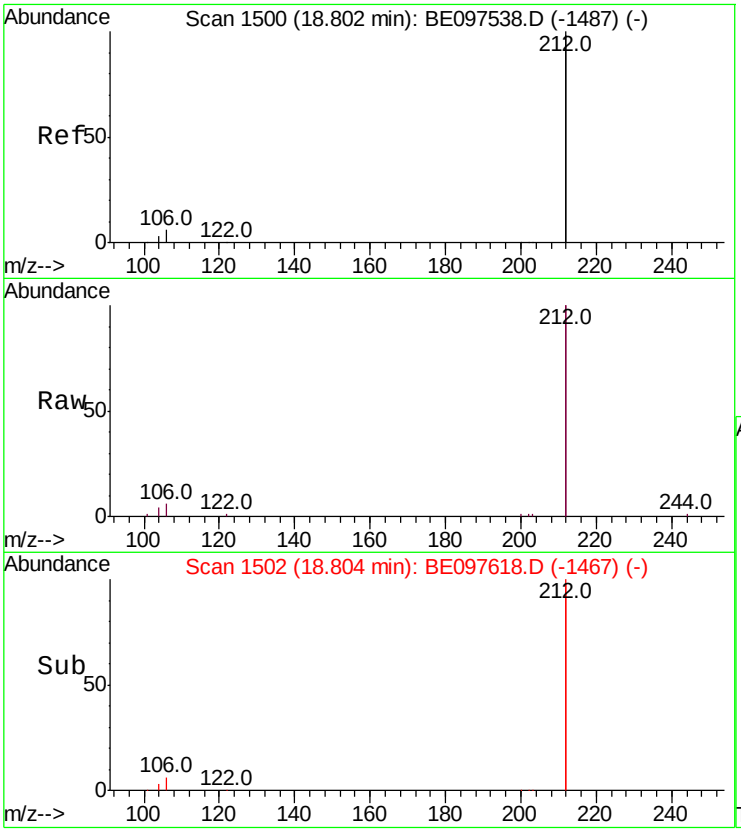


#24
Anthracene
Concen: 0.383 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:178 Resp: 4554

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.3	13.0	19.6



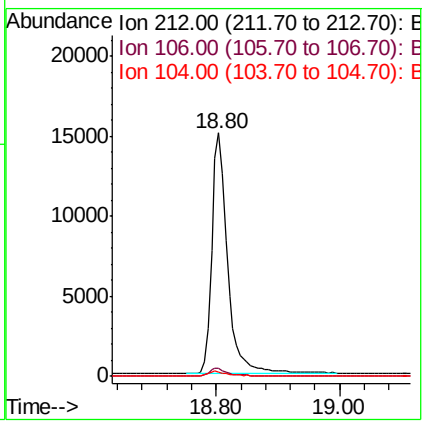


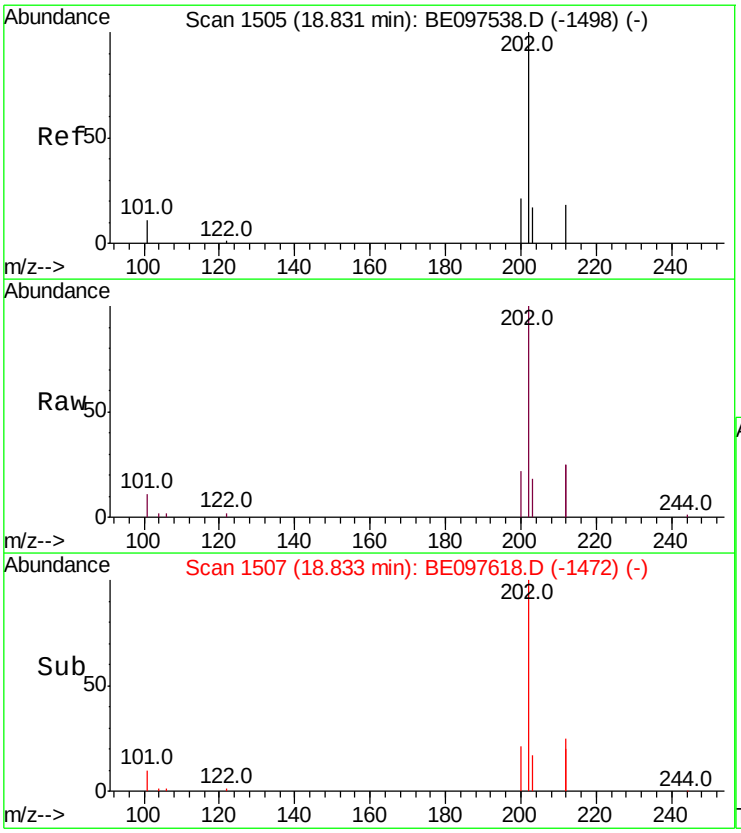
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 18.80 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 26376

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.7	1.6	2.4

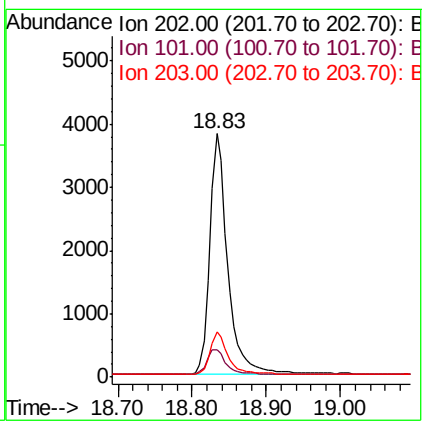


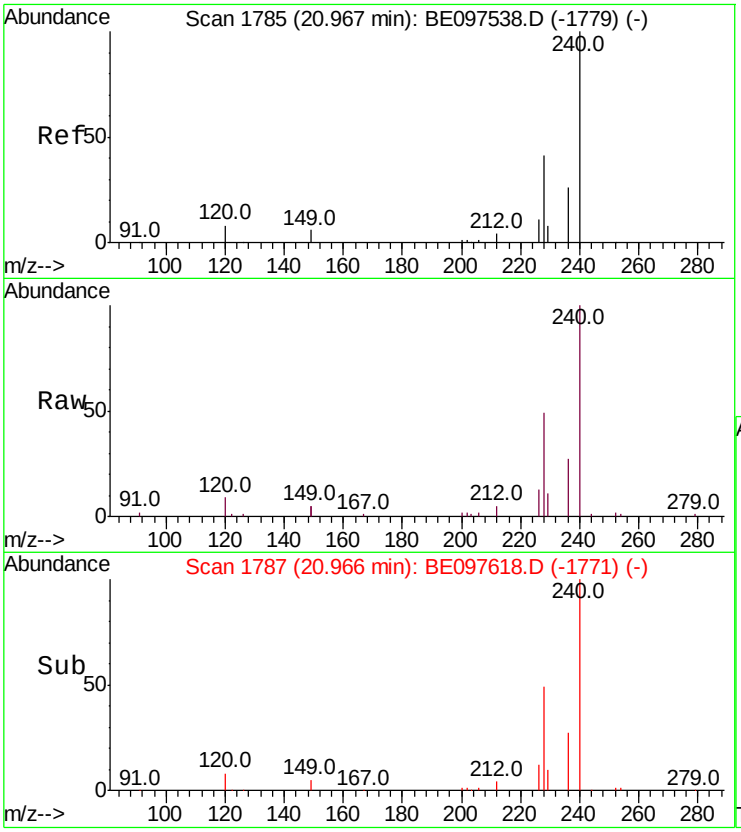


#26
Fluoranthene
Concen: 0.341 ng
RT: 18.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:202 Resp: 6368

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	17.1	13.7	20.5



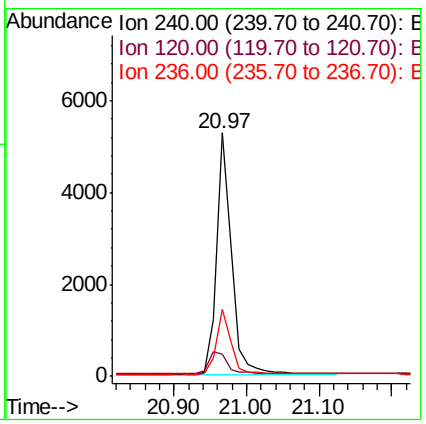


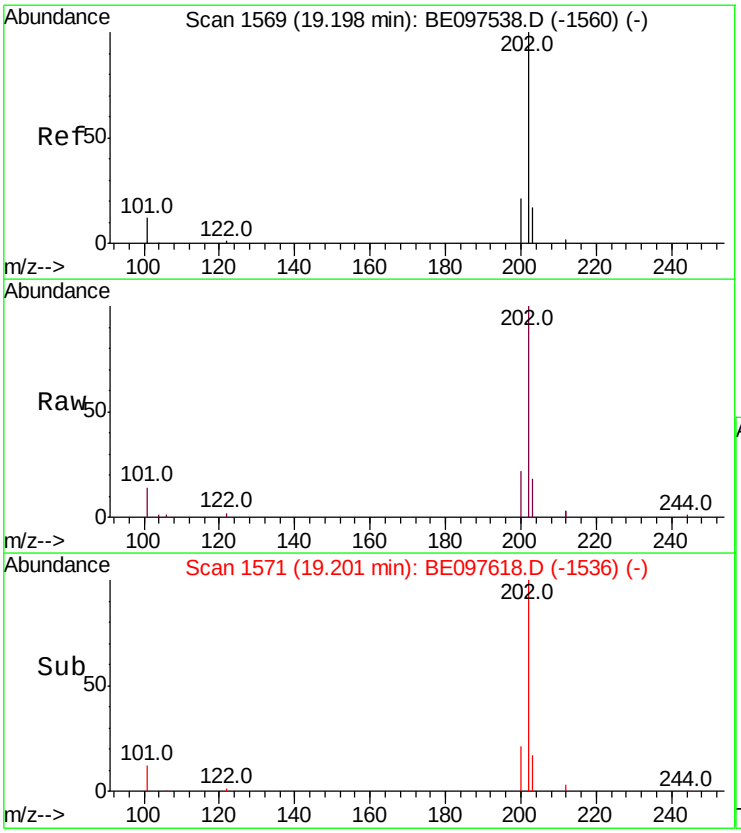
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 7570

Ion	Ratio	Lower	Upper
240	100		
120	8.9	5.5	8.3#
236	27.3	20.7	31.1

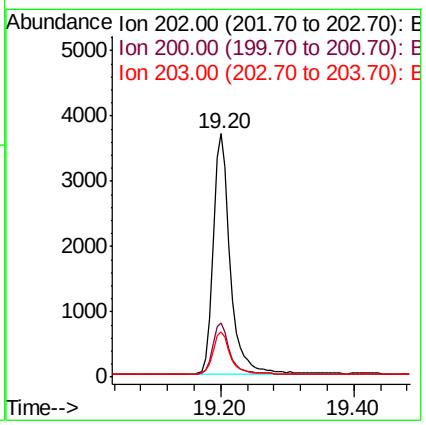


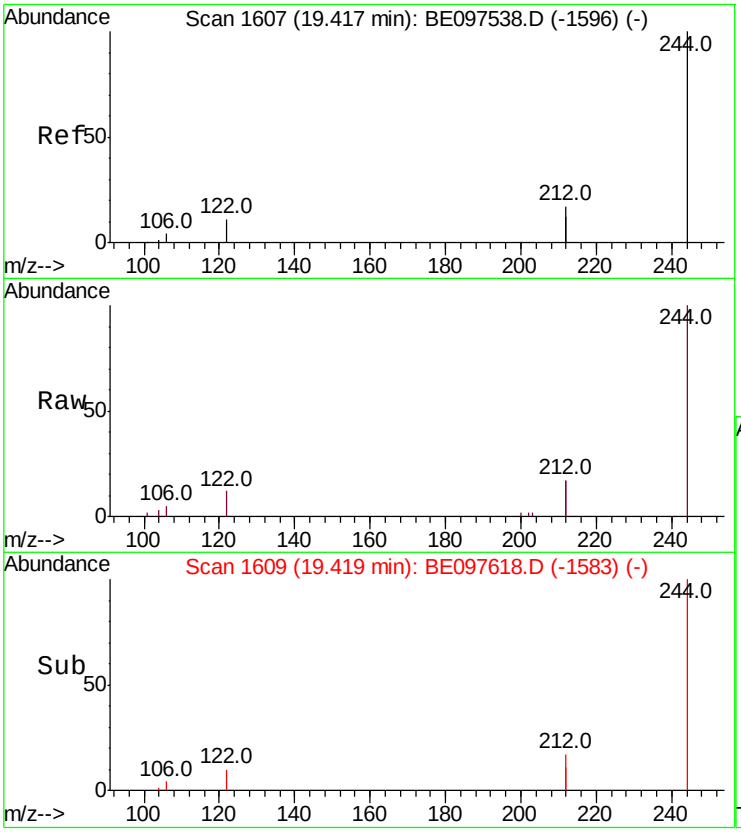


#28
Pyrene
Concen: 0.375 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:202 Resp: 6456

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.6	13.8	20.8



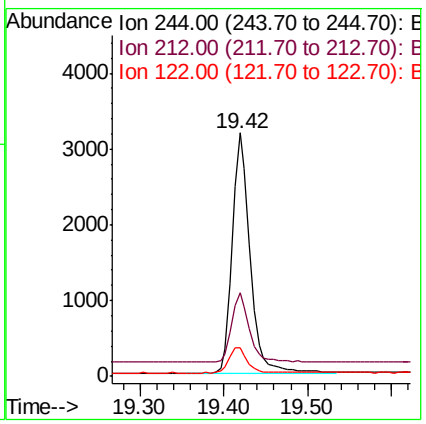


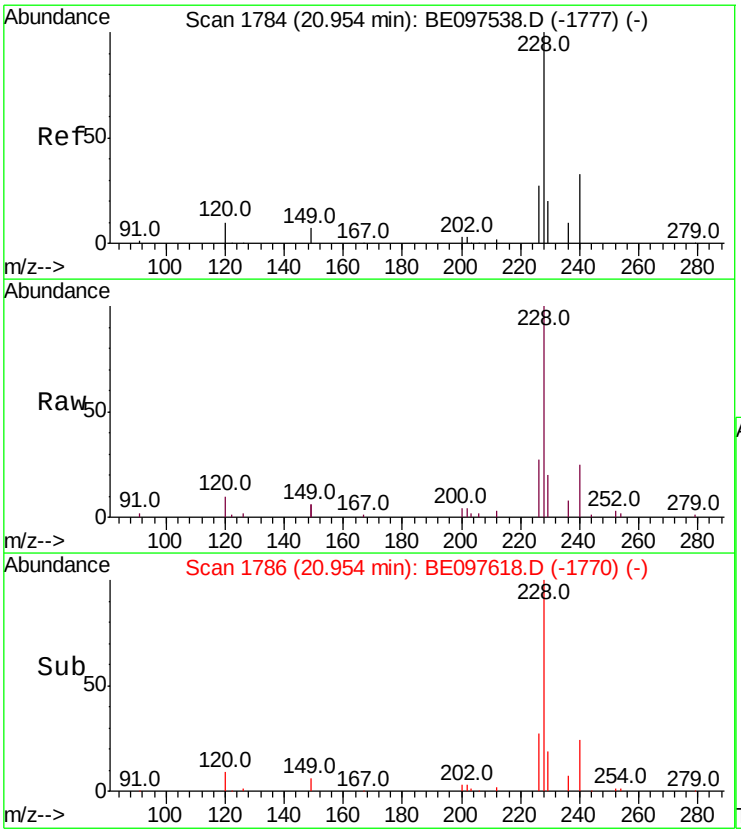
#29
Terphenyl-d14
Concen: 0.340 ng
RT: 19.42 min Scan# 1609
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4704

Ion	Ratio	Lower	Upper
244	100		
212	34.2	25.4	38.0
122	11.7	8.1	12.1

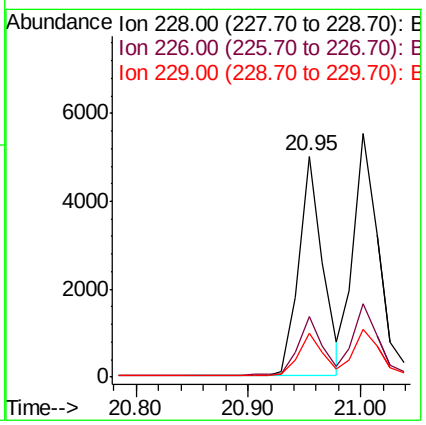


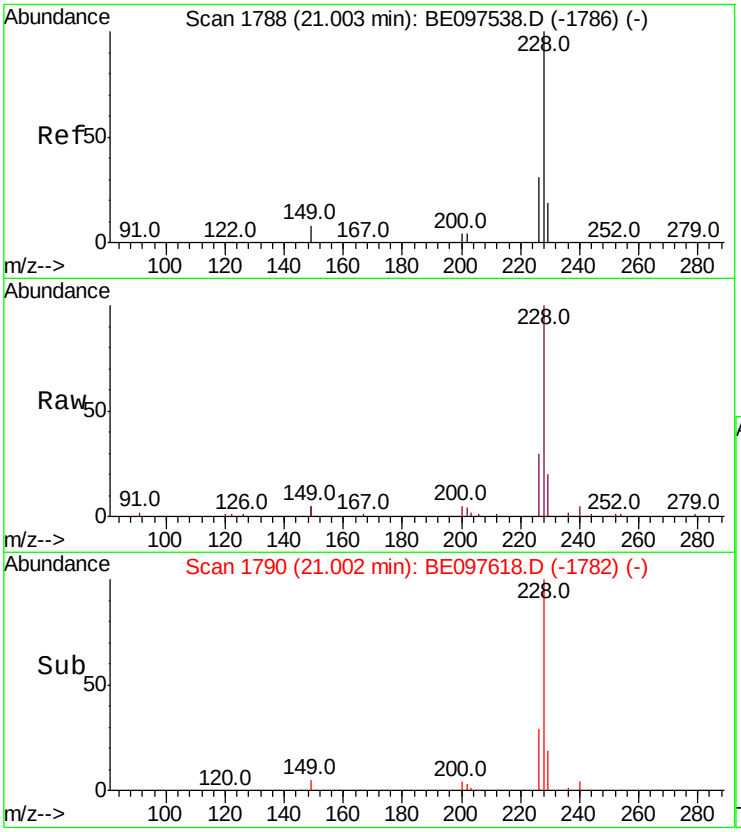


#30
Benzo(a)anthracene
Concen: 0.387 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:228 Resp: 7376

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	20.1	16.0	24.0



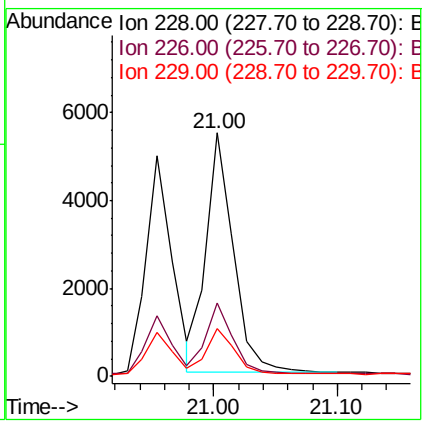


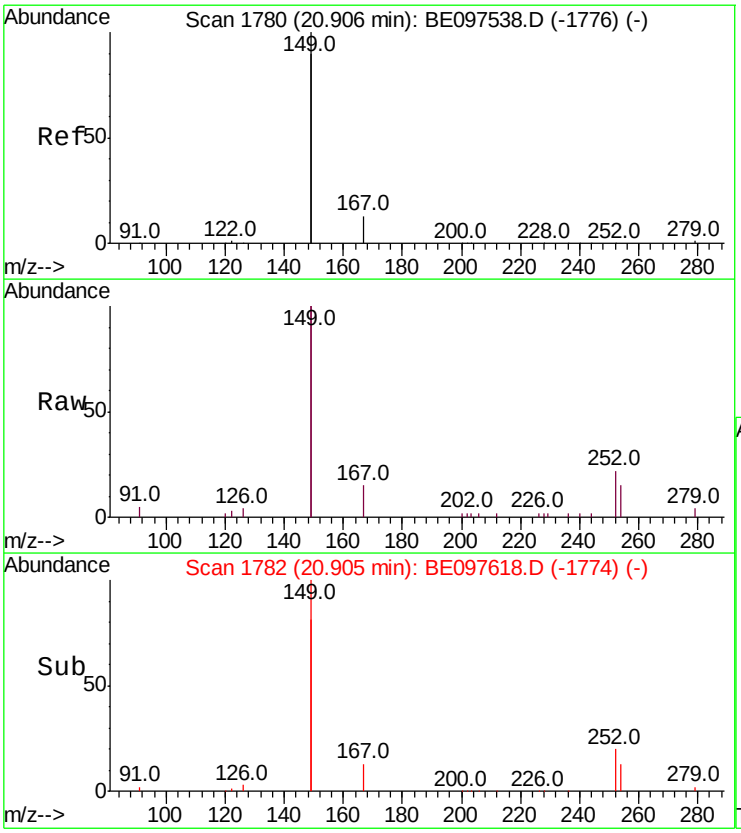
#31
Chrysene
Concen: 0.413 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 8438

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.8	16.0	24.0

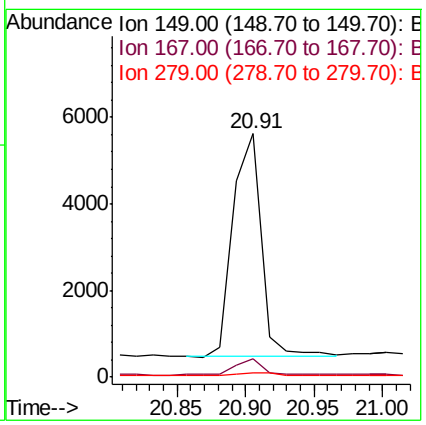


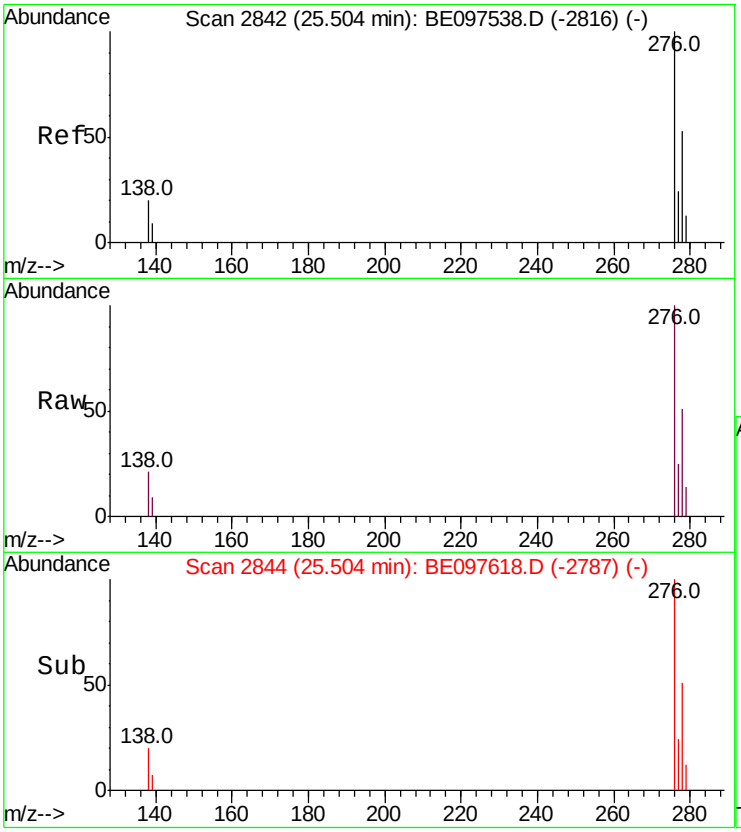


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.242 ng
RT: 20.91 min Scan# 1782
Delta R.T. -0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:149 Resp: 7428

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.0	0.7	1.1



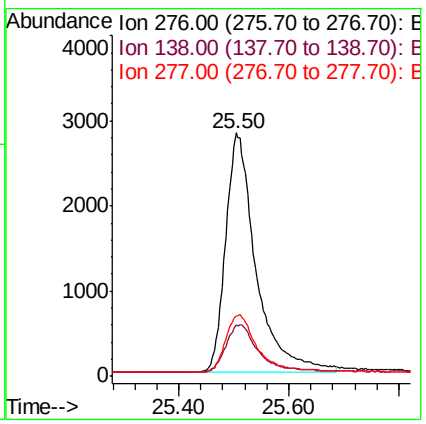


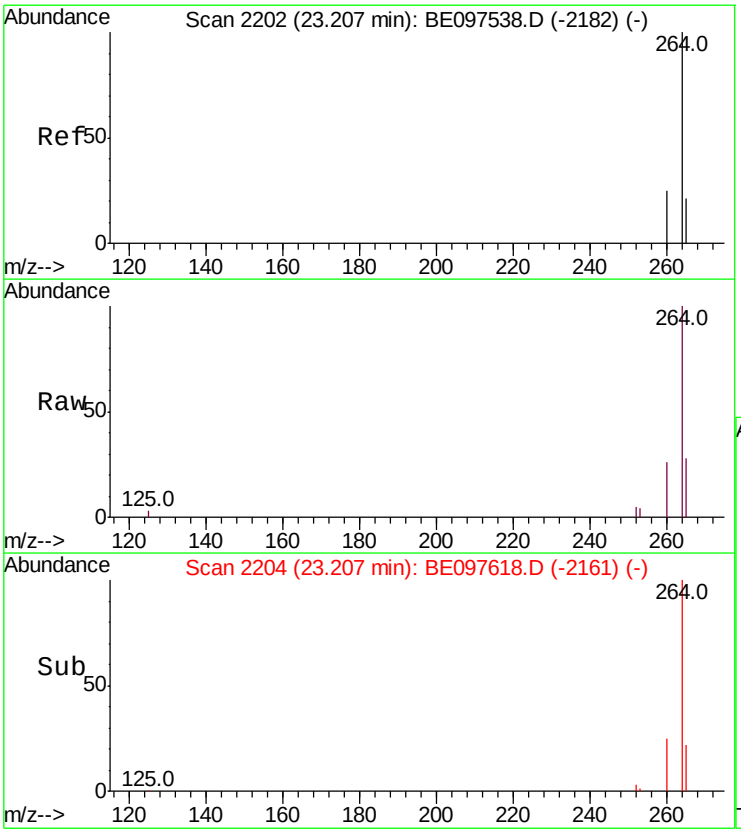
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.439 ng
RT: 25.50 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 10804

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.5	33.7#
277	24.5	19.9	29.9

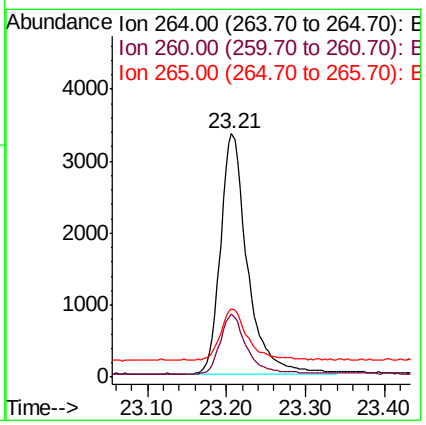


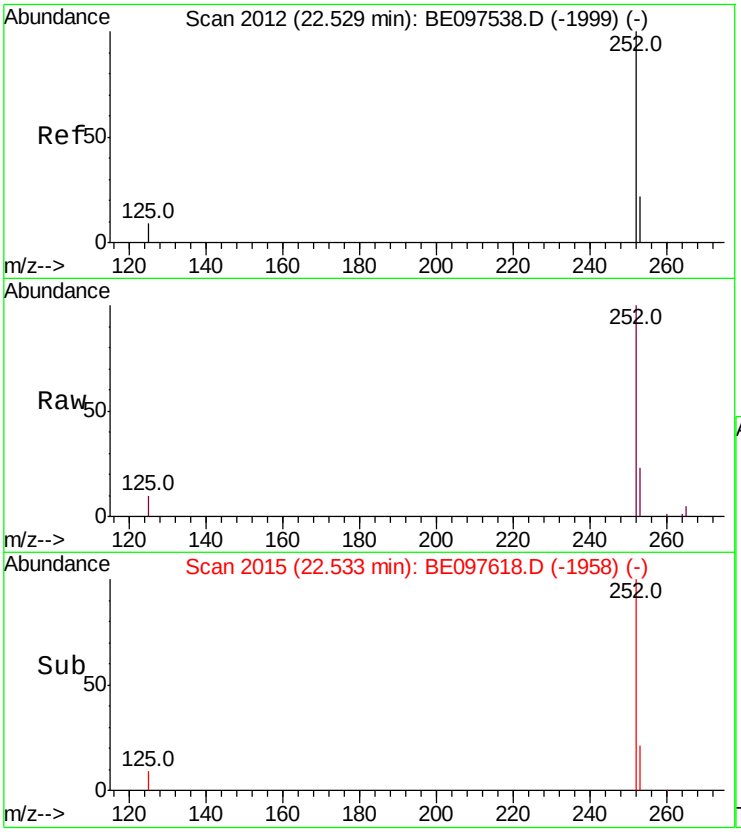


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:264 Resp: 7865

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	28.3	22.8	34.2



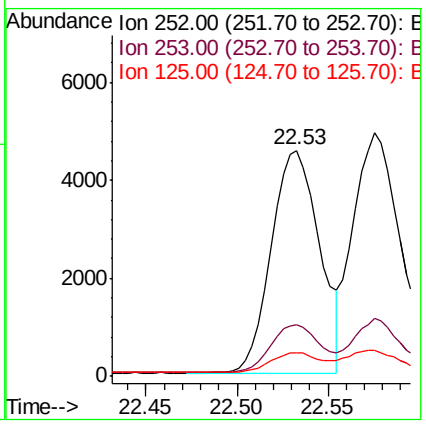


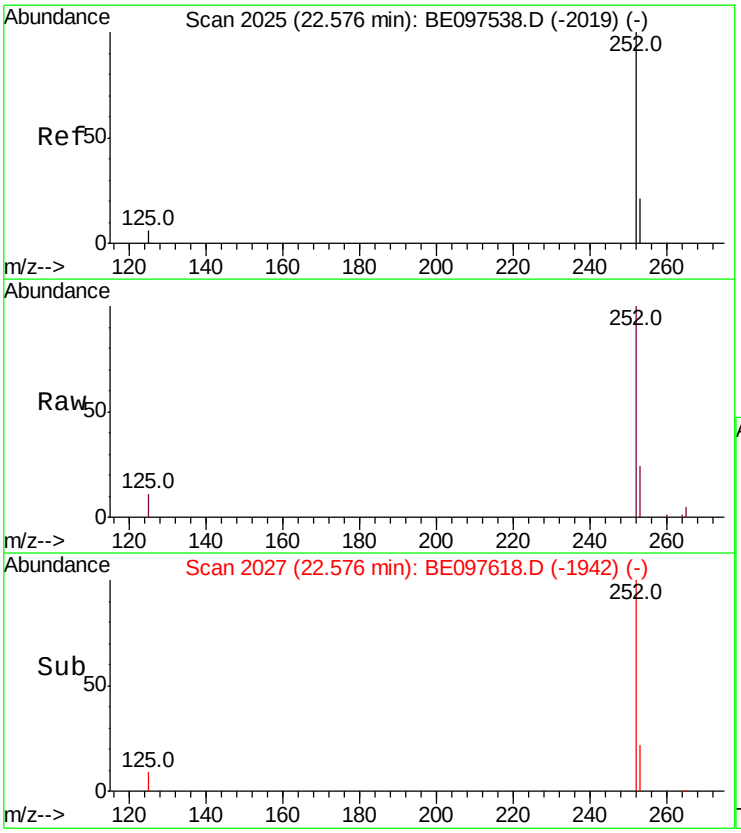
#35
Benzo(b)fluoranthene
Concen: 0.414 ng
RT: 22.53 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8339

Ion	Ratio	Lower	Upper
252	100		
253	22.7	20.0	30.0
125	10.5	16.0	24.0#

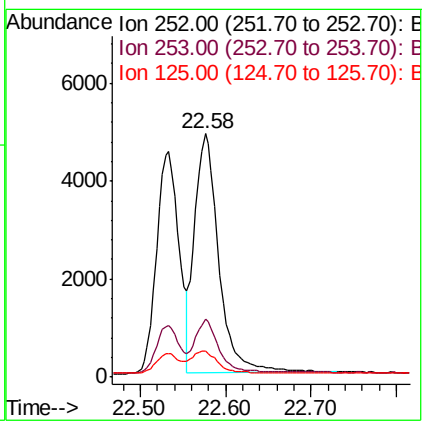


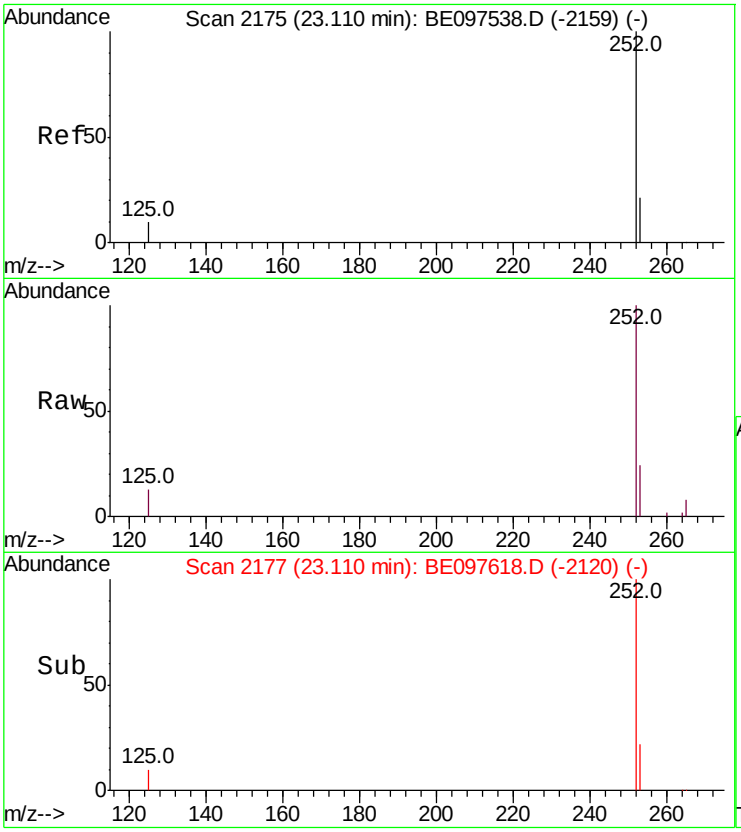


#36
Benzo(k)fluoranthene
Concen: 0.419 ng
RT: 22.58 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:252 Resp: 9651

Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.0	24.0
125	10.8	8.0	12.0



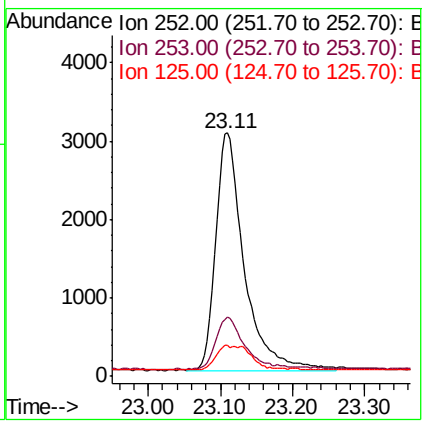


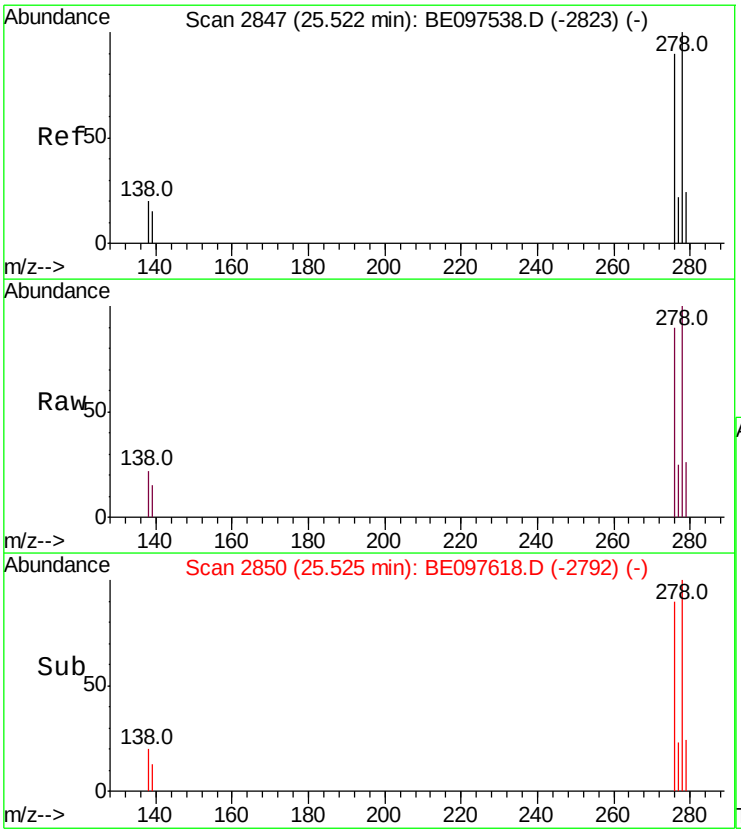
#37
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8227

Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.0	24.0#
125	12.8	12.0	18.0

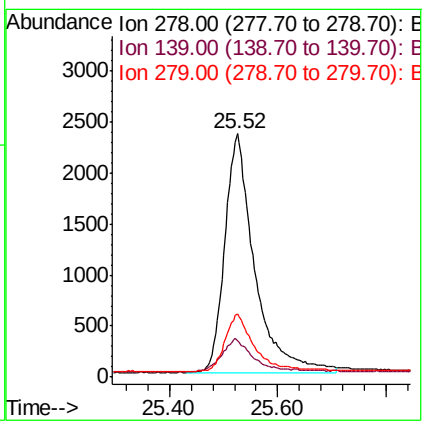


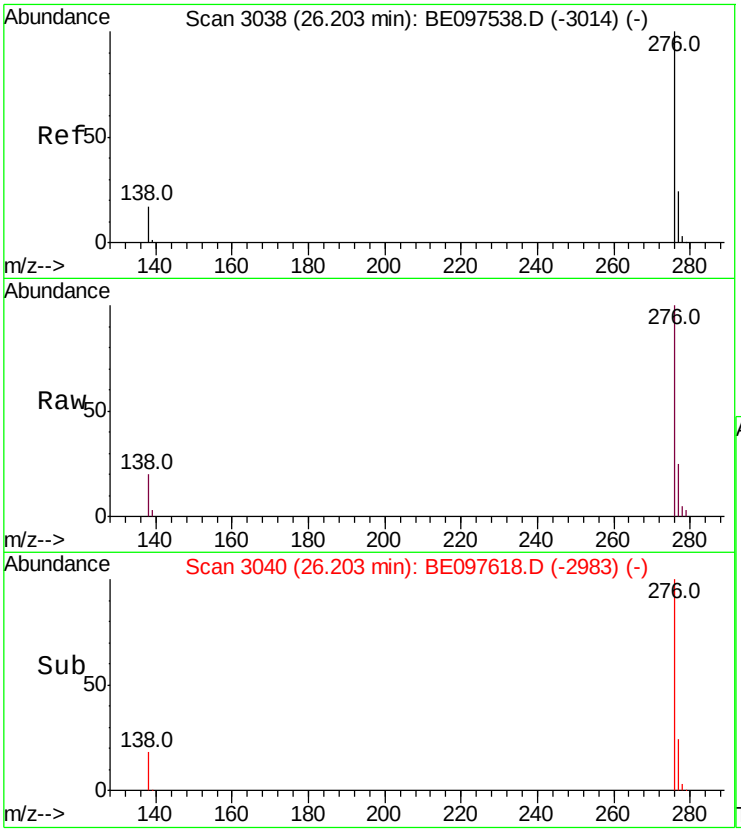


#38
Dibenzo(a,h)anthracene
Concen: 0.422 ng
RT: 25.52 min Scan# 2850
Delta R.T. 0.01 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Tgt Ion:278 Resp: 8919

Ion	Ratio	Lower	Upper
278	100		
139	15.0	16.0	24.0#
279	25.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.435 ng
RT: 26.20 min Scan# 3040
Delta R.T. 0.00 min
Lab File: BE097618.D
Acq: 21 Sep 2018 19:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8935

Ion	Ratio	Lower	Upper
276	100		
277	25.4	16.0	24.0#
138	20.2	20.0	30.0