Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
Data File : BE097566.D
Acq On : 20 Sep 2018 7:47
Operator : SJ/JU
Sample : J4958-20MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

Manual Integrations APPROVED
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9/20/2018 3:34:58 PM

Quant Time: Sep 20 10:51:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 19 16:26:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	780	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	3468	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	1939	0.40	ng		0.00
19) Phenanthrene-d10	16.75	188	5498	0.40	ng		0.00
27) Chrysene-d12	20.97	240	8604	0.40	ng		0.00
34) Perylene-d12	23.20	264	8677	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	350	0.15	ng		0.02
5) Phenol-d6	6.64	99	267m	0.09	ng		0.04
8) Nitrobenzene-d5	8.53	82	1023	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	2657	0.56	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	316	0.43	ng		-0.01
15) 2-Fluorobiphenyl	12.62	172	4109	0.60	ng		-0.01
25) Fluoranthene-d10	18.80	212	29433	0.42	ng		0.00
29) Terphenyl-d14	19.41	244	7704	0.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	644	0.493	ng		96
3) n-Nitrosodimethylamine	3.38	42	180	0.169	ng		90
6) bis(2-Chloroethyl)ether	6.82	93	974	0.351	ng		92
9) Naphthalene	10.17	128	14051	0.450	ng		99
10) Hexachlorobutadiene	10.46	225	558	0.388	ng		97
12) 2-Methylnaphthalene	11.80	142	2241	0.460	ng		99
16) Acenaphthylene	13.72	152	3423	0.447	ng		100
17) Acenaphthene	14.06	154	2315	0.450	ng		98
18) Fluorene	15.06	166	3040	0.454	ng	#	78
20) 4-Bromophenyl-phenylether	15.96	248	1012	0.408	ng	#	84
21) Hexachlorobenzene	16.07	284	1115	0.409	ng	#	84
22) Pentachlorophenol	16.44	266	671	0.679	ng	#	78
23) Phenanthrene	16.80	178	6155	0.472	ng		99
24) Anthracene	16.89	178	5419	0.470	ng		96
26) Fluoranthene	18.83	202	8626	0.476	ng		98
28) Pyrene	19.19	202	9221	0.471	ng		99
30) Benzo(a)anthracene	20.95	228	10697	0.494	ng		95
31) Chrysene	21.00	228	10386	0.447	ng		100
32) Bis(2-ethylhexyl)phthalate	20.91	149	22042	0.616	ng	#	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	12896	0.461	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	10221	0.459	ng	#	89
36) Benzo(k)fluoranthene	22.57	252	11767m	0.463	ng		
37) Benzo(a)pyrene	23.10	252	10294	0.474	ng	#	91
38) Dibenzo(a,h)anthracene	25.51	278	10788	0.462	ng		96
39) Benzo(g,h,i)perylene	26.19	276	10706	0.472	ng	#	89

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

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QLast Update : Wed Sep 19 16:26:00 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

Manual Integrations APPROVED
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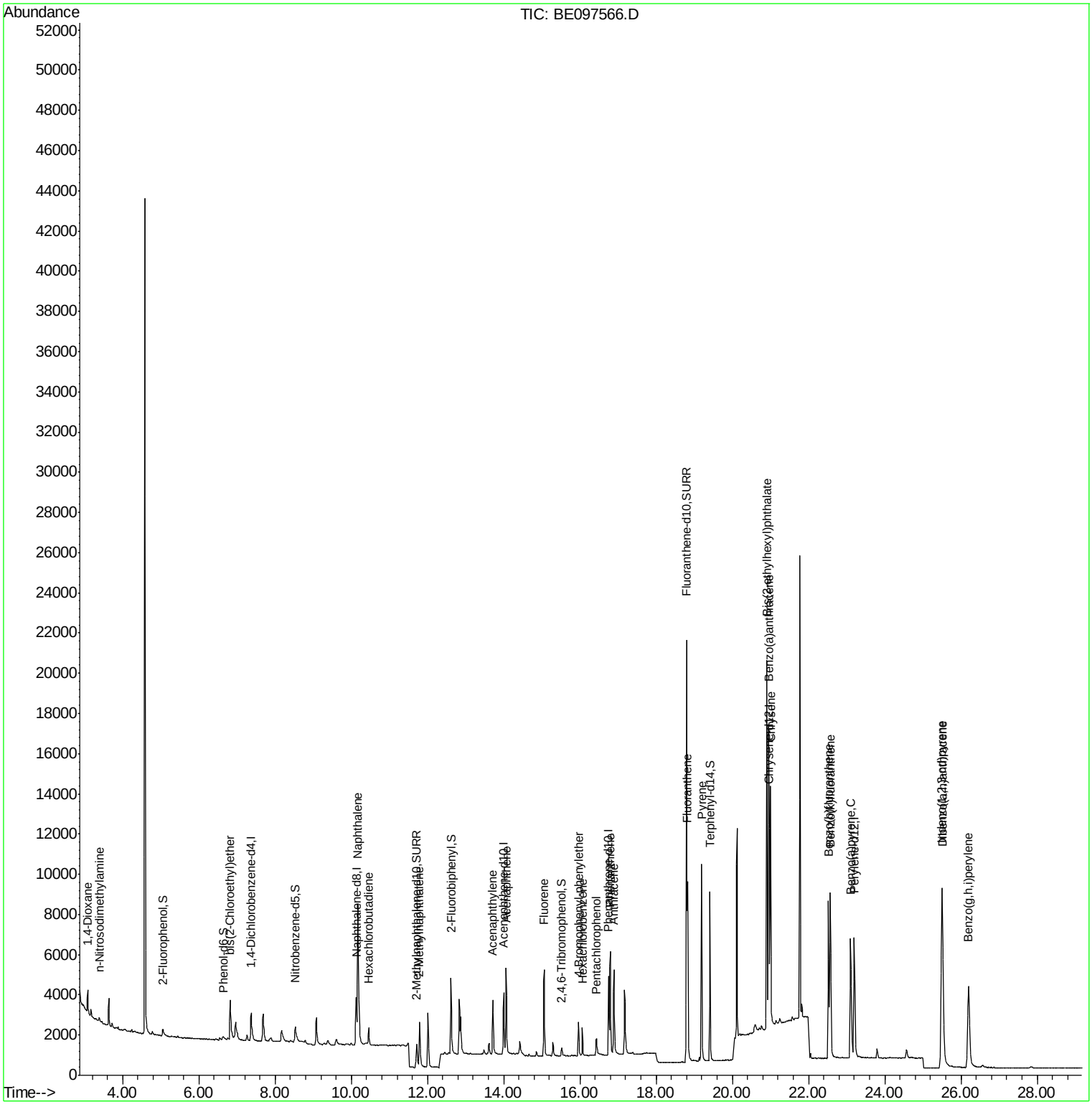
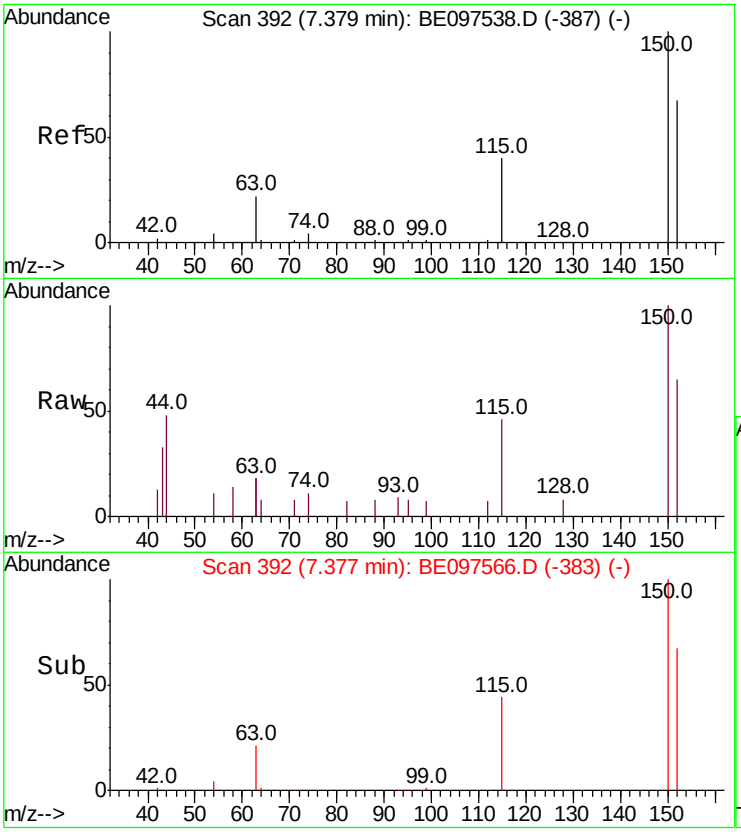
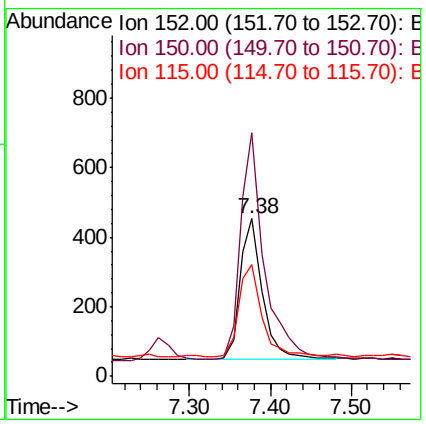




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:152 Resp: 780

Ion	Ratio	Lower	Upper
152	100		
150	154.5	117.2	175.8
115	71.1	57.0	85.6



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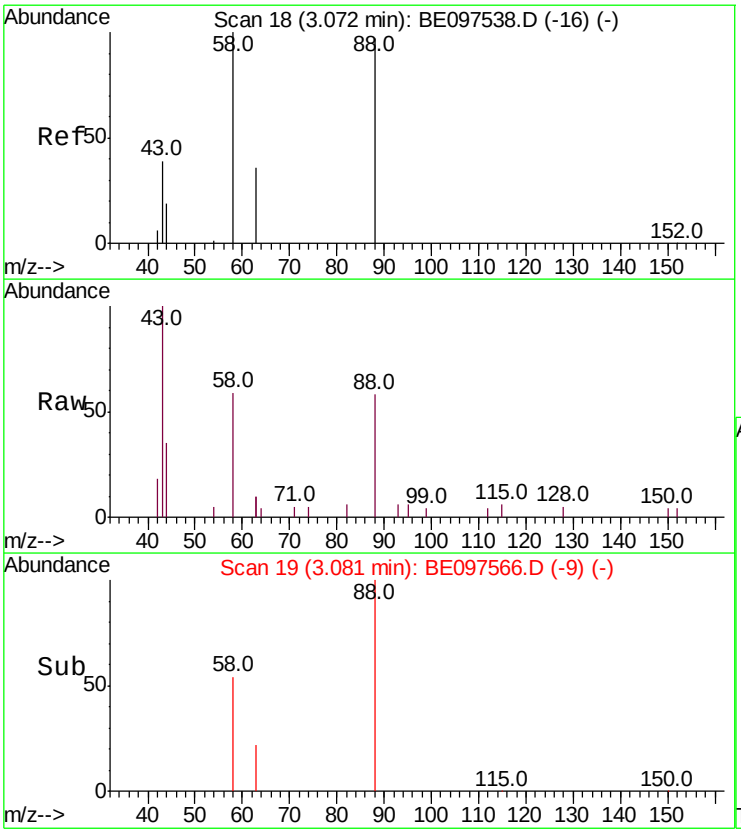
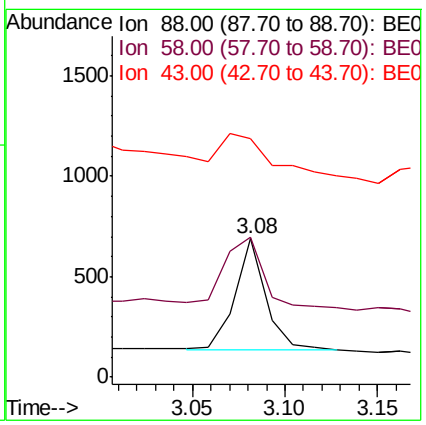
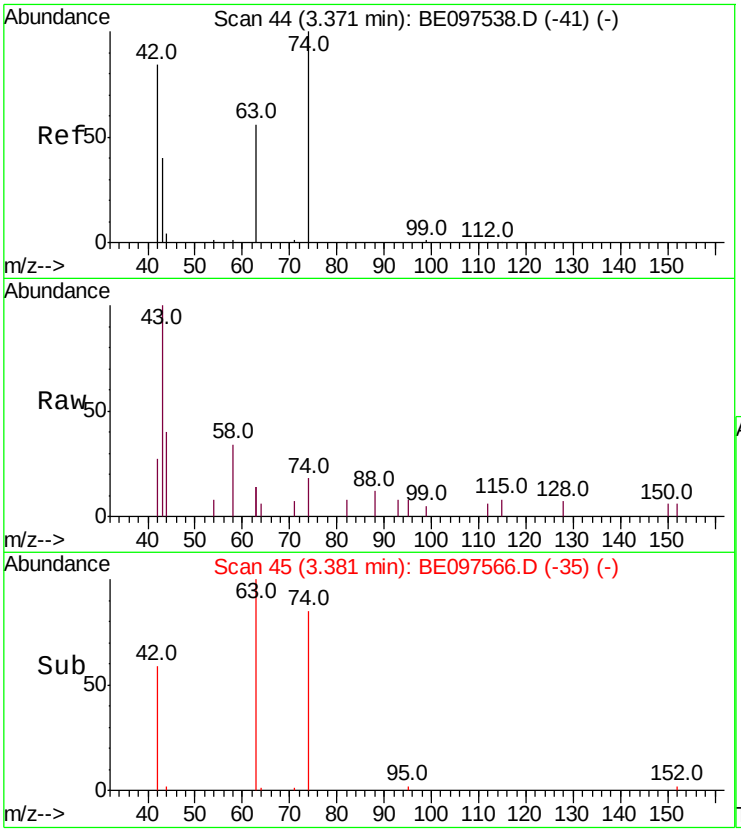


#2
1,4-Dioxane
Concen: 0.493 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 88 Resp: 644

Ion	Ratio	Lower	Upper
88	100		
58	80.7	63.2	94.8
43	56.5	41.2	61.8

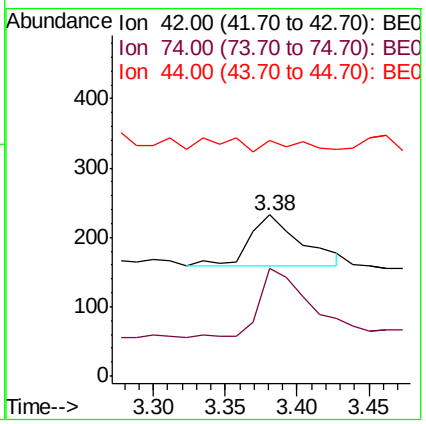




#3
n-Nitrosodimethylamine
Concen: 0.169 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 42 Resp: 180

Ion	Ratio	Lower	Upper
42	100		
74	131.7	96.0	144.0
44	16.7	12.0	18.0



Instrument :
BNA_E
ClientSampleId :
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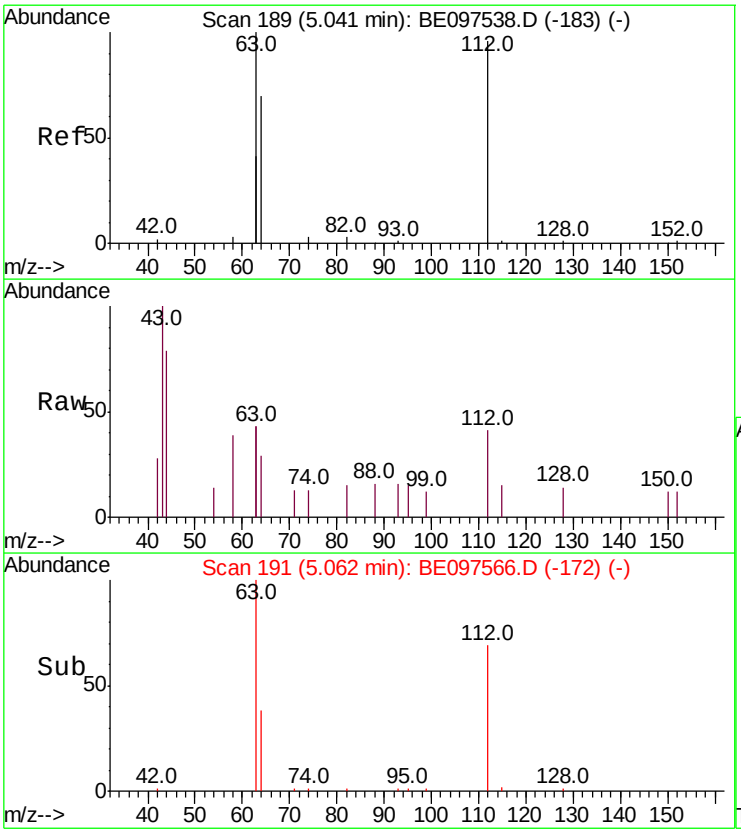
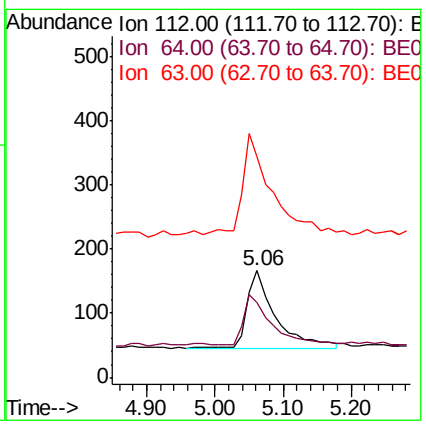
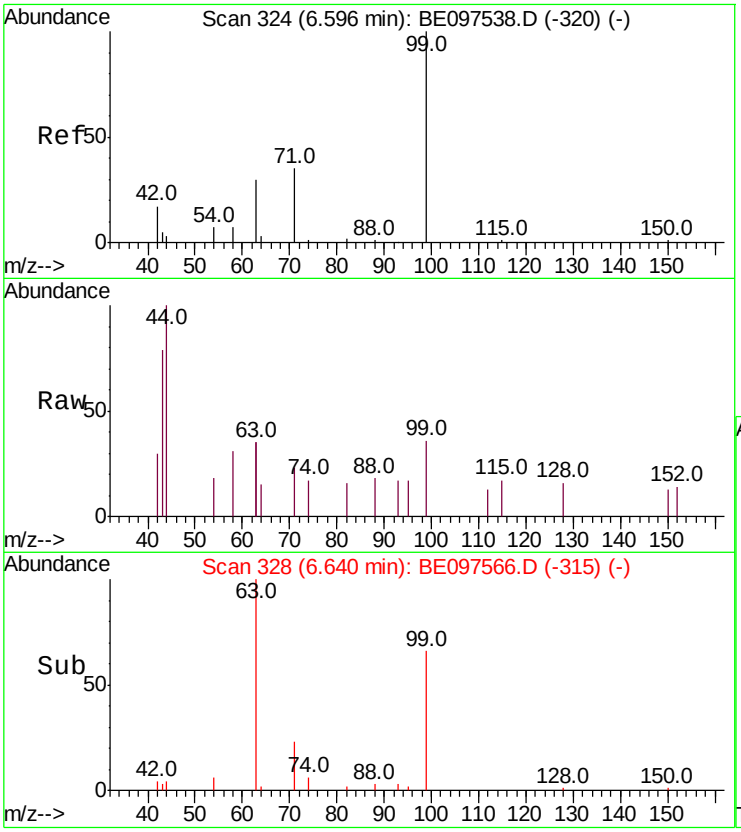


#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.02 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:112 Resp: 350

Ion	Ratio	Lower	Upper
112	100		
64	62.9	60.1	90.1
63	134.9	116.8	175.2





#5
Phenol-d6
Concen: 0.089 ng m
RT: 6.64 min Scan# 328
Delta R.T. 0.04 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 99 Resp: 267

Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	22.8	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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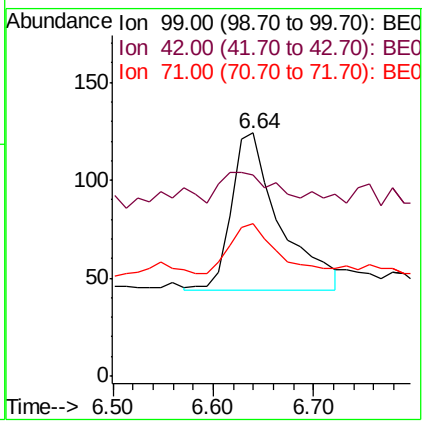
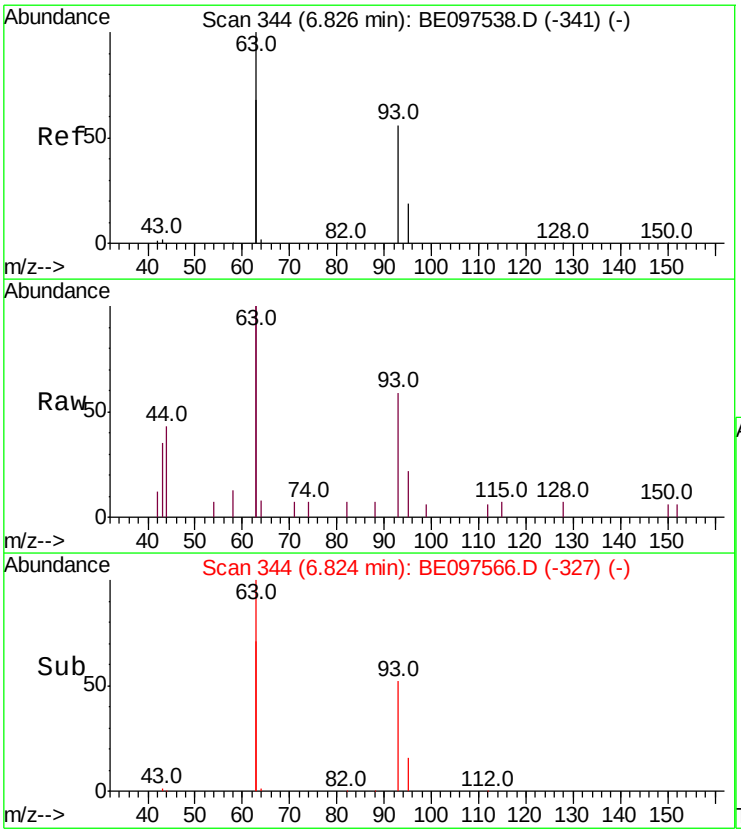
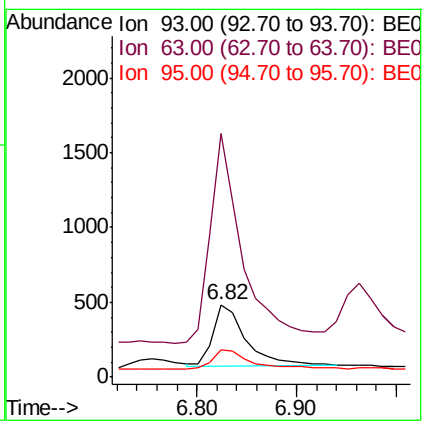


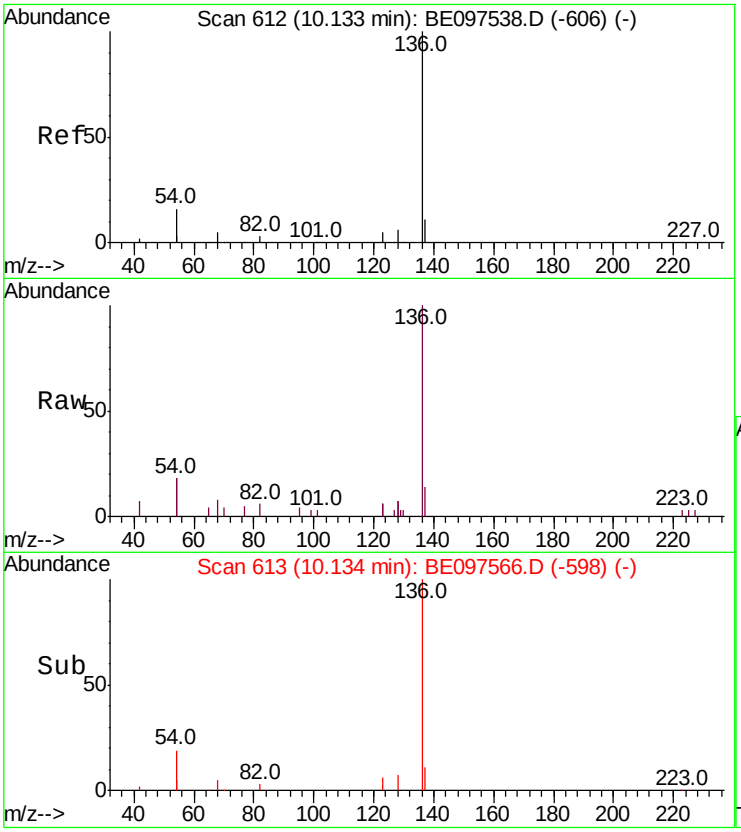


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 93 Resp: 974

Ion	Ratio	Lower	Upper
93	100		
63	327.7	275.3	412.9
95	35.2	25.2	37.8

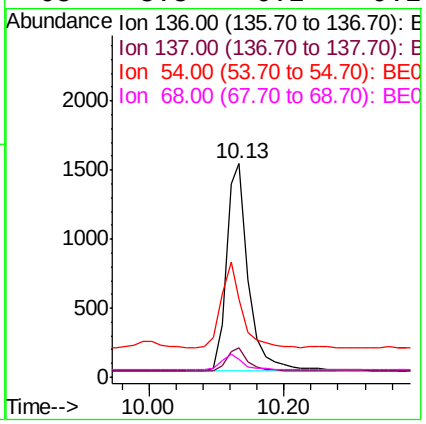




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:136 Resp: 3468

Ion	Ratio	Lower	Upper
136	100		
137	13.8	9.5	14.3
54	36.3	29.1	43.7
68	8.3	6.2	9.2



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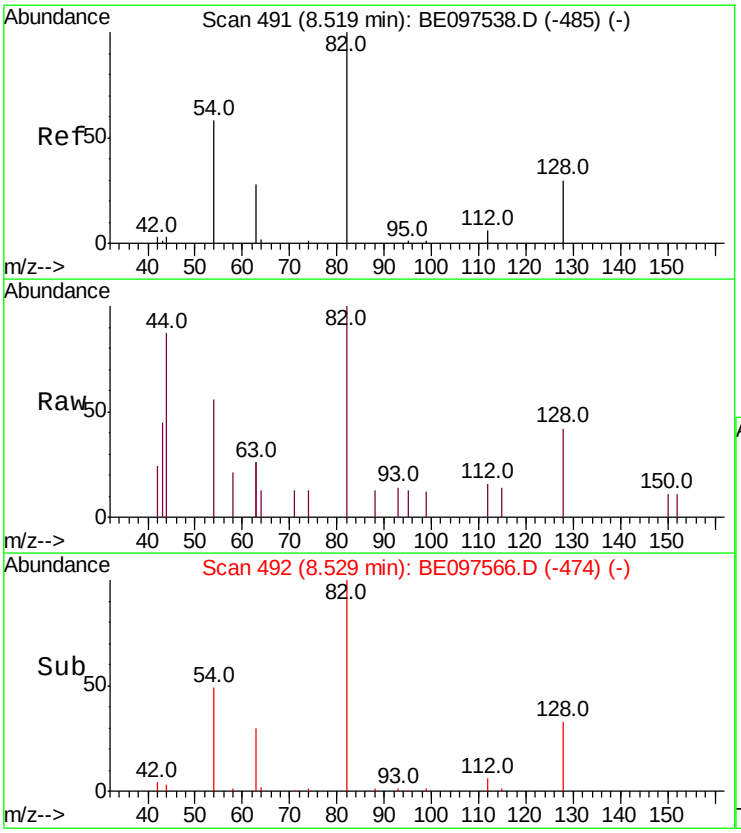
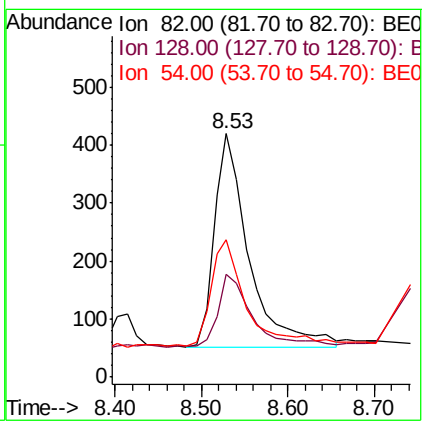
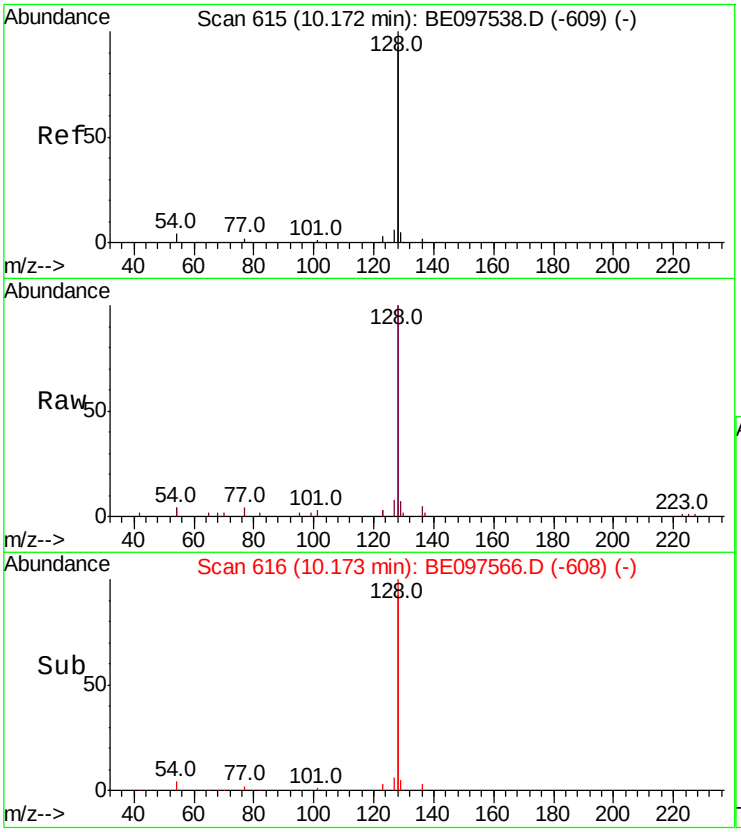


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion: 82 Resp: 1023

Ion	Ratio	Lower	Upper
82	100		
128	41.9	24.0	36.0#
54	56.2	40.0	60.0

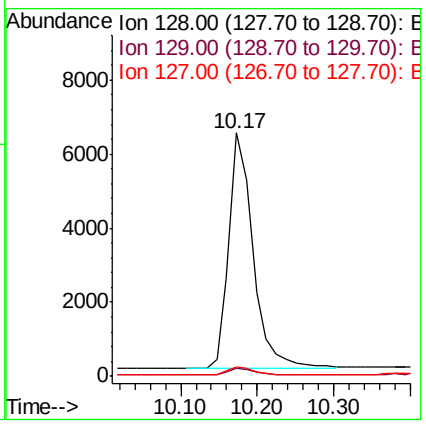




#9
Naphthalene
Concen: 0.450 ng
RT: 10.17 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:128 Resp: 14051

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



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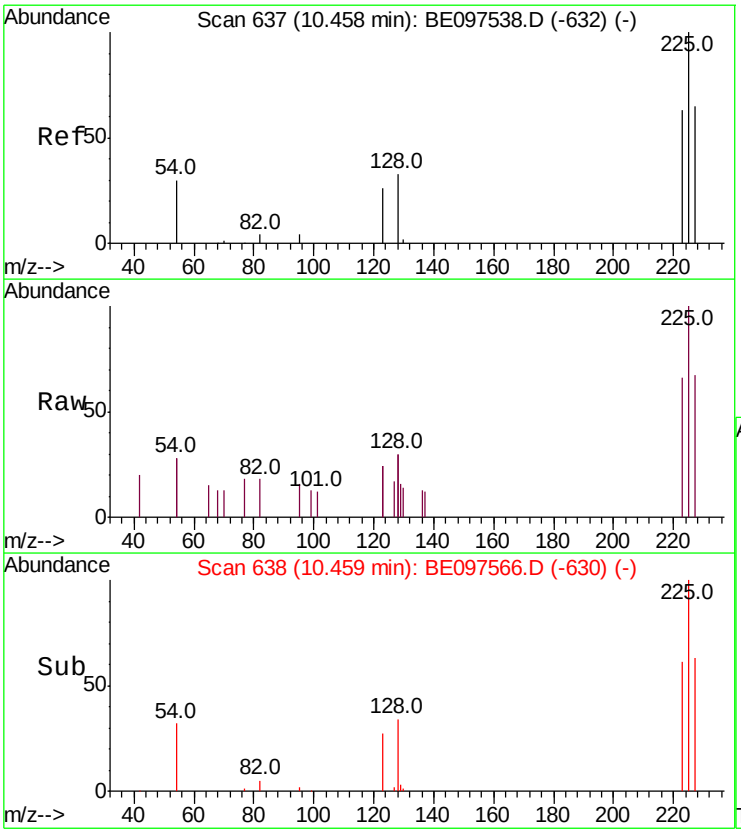
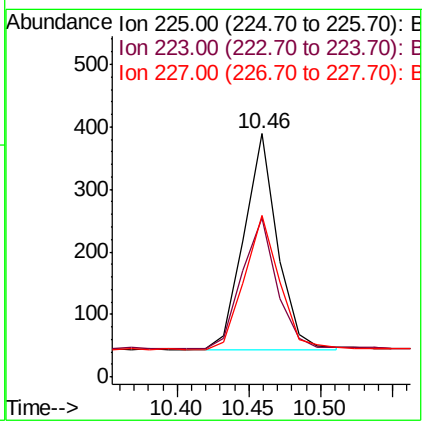
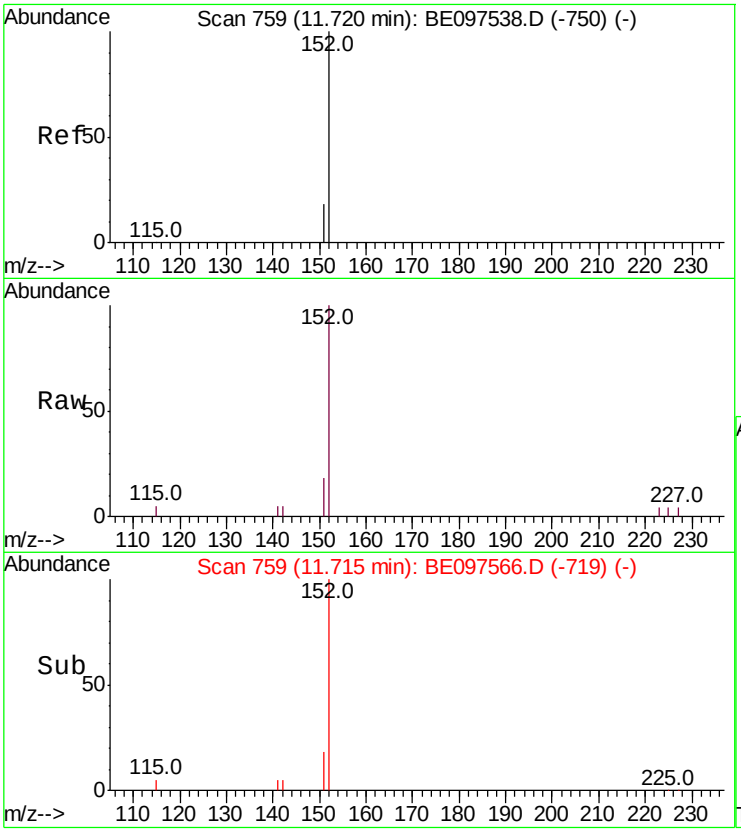


#10
Hexachlorobutadiene
Concen: 0.388 ng
RT: 10.46 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:225 Resp: 558

Ion	Ratio	Lower	Upper
225	100		
223	62.2	53.0	79.6
227	65.1	51.4	77.2

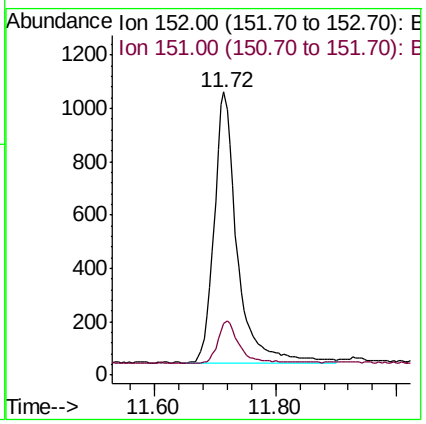




#11
2-Methylnaphthalene-d10
Concen: 0.556 ng
RT: 11.72 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:152 Resp: 2657

Ion	Ratio	Lower	Upper
152	100		
151	14.1	15.4	23.0#



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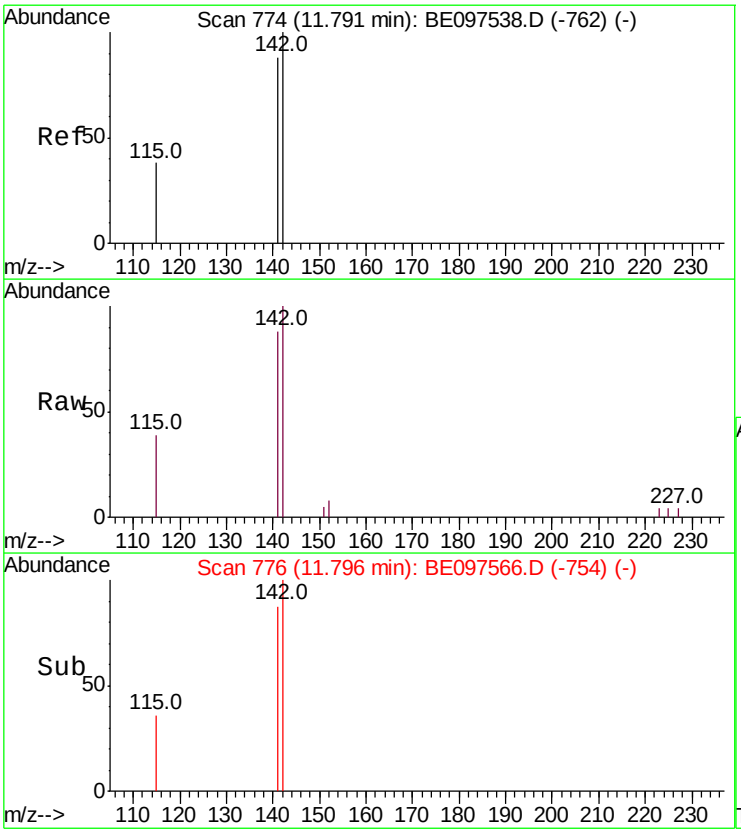
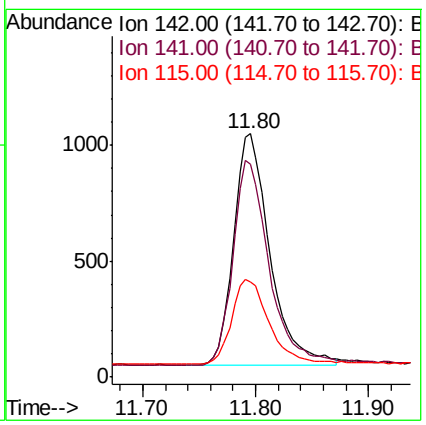
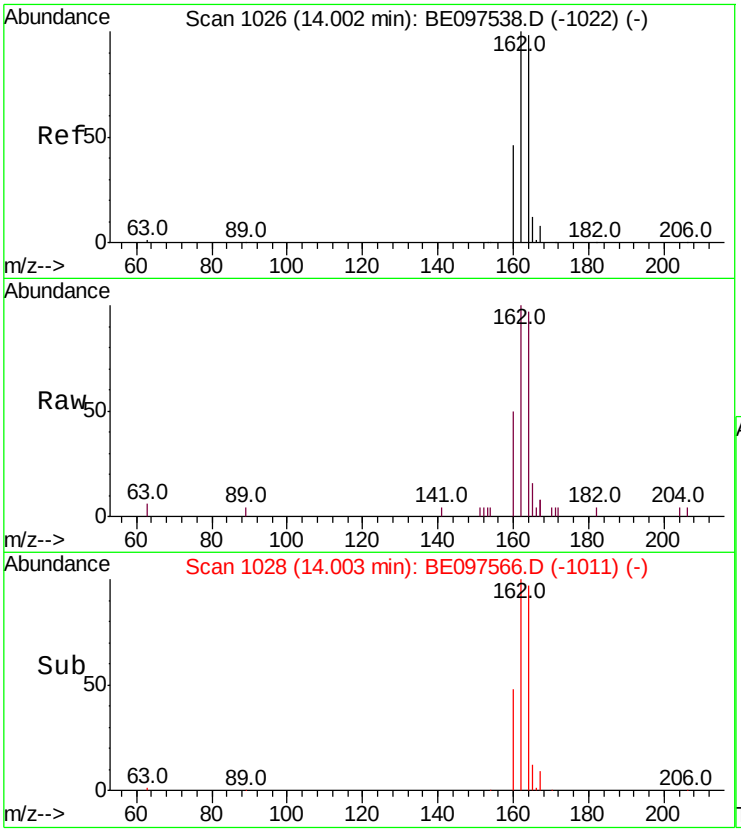


#12
2-Methylnaphthalene
Concen: 0.460 ng
RT: 11.80 min Scan# 776
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:142 Resp: 2241

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	39.2	31.7	47.5





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:164 Resp: 1939

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.1	124.7
160	51.4	37.1	55.7

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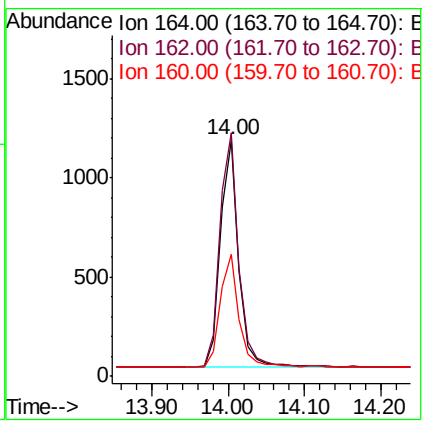
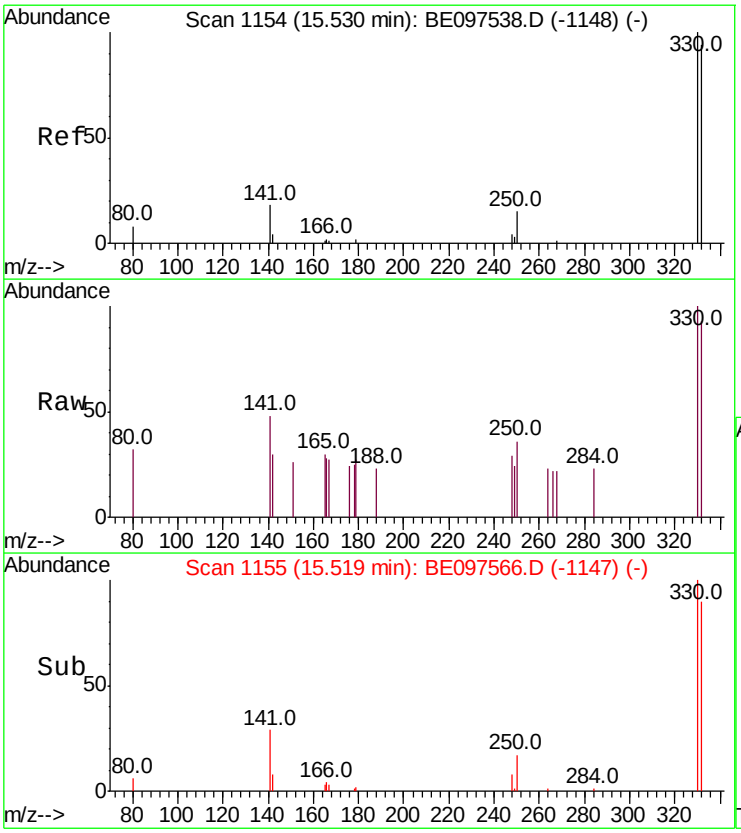
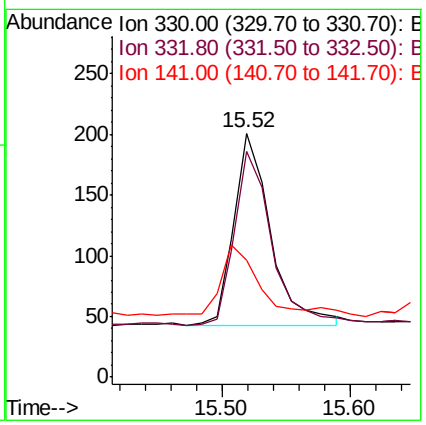


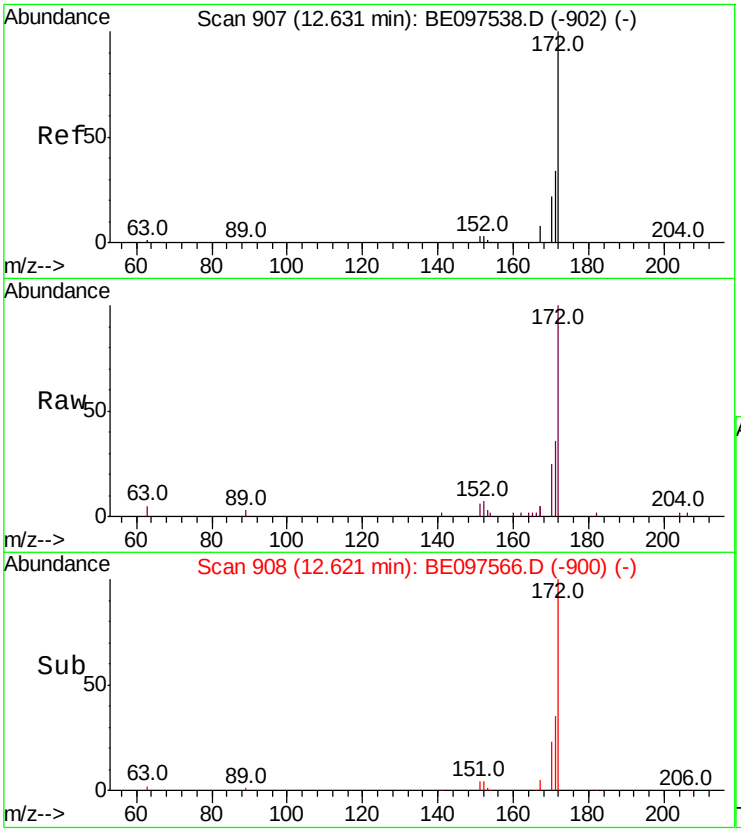


#14
2,4,6-Tribromophenol
Concen: 0.427 ng
RT: 15.52 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:330 Resp: 316

Ion	Ratio	Lower	Upper
330	100		
332	91.8	152.7	229.1#
141	38.0	33.7	50.5

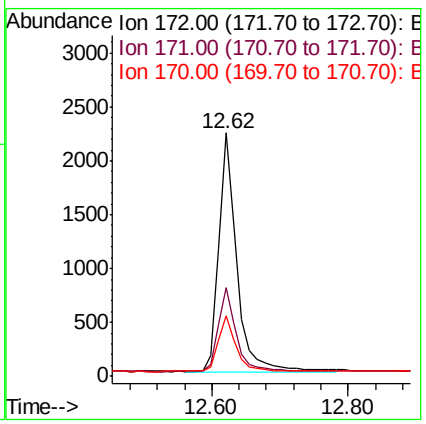




#15
2-Fluorobiphenyl
Concen: 0.600 ng
RT: 12.62 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:172 Resp: 4109

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	24.9	21.8	32.8



Instrument :
BNA_E
ClientSampleId :
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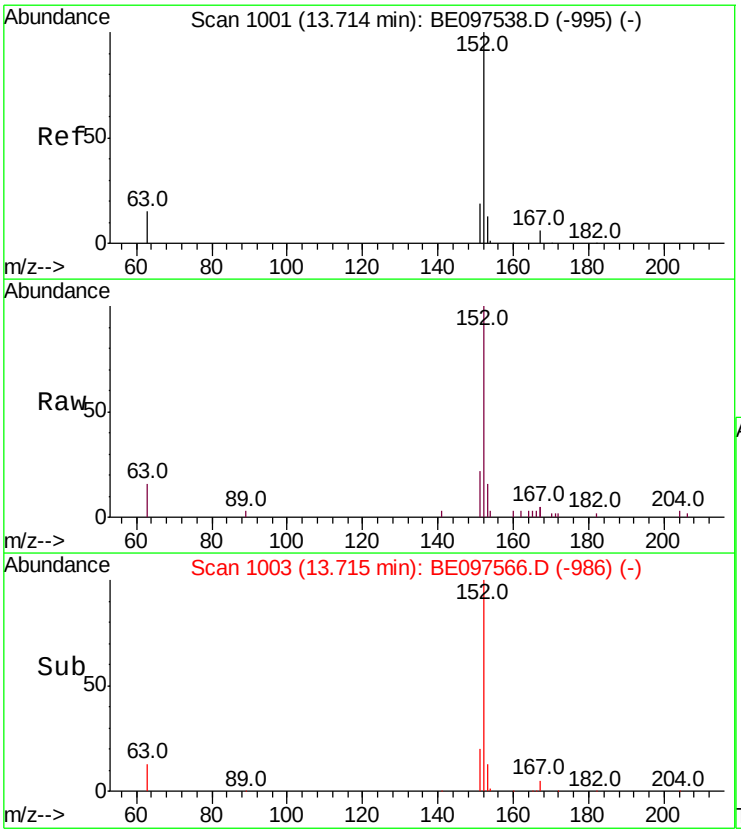
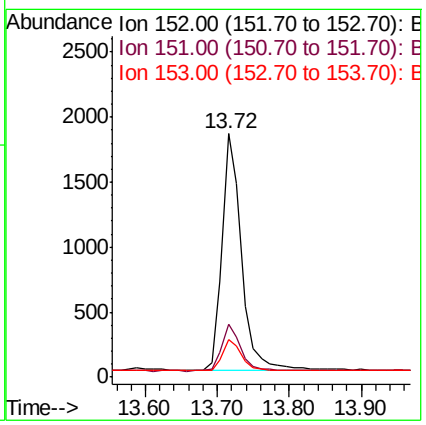
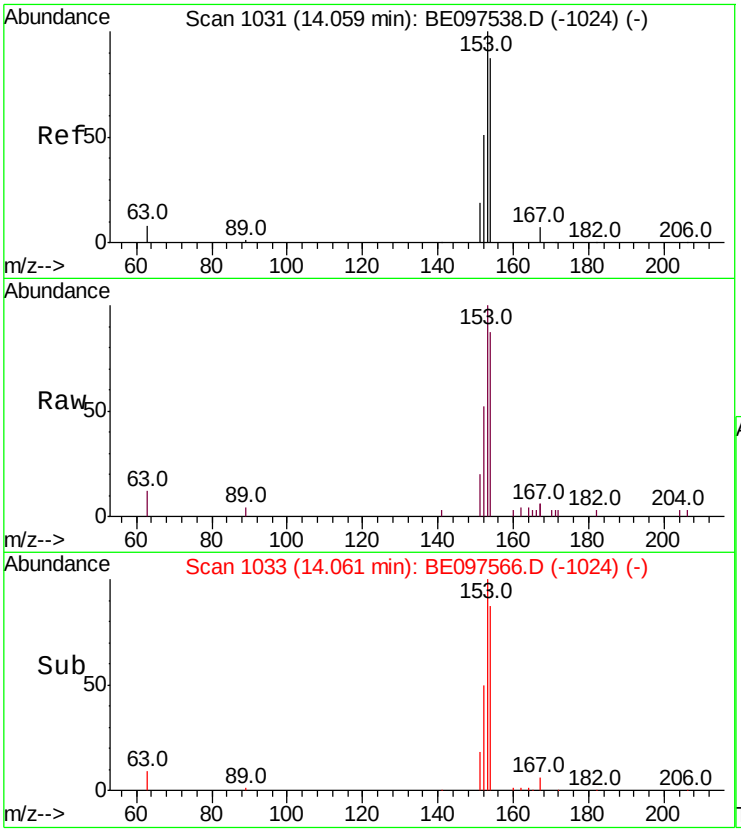


#16
Acenaphthylene
Concen: 0.447 ng
RT: 13.72 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:152 Resp: 3423

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.5	15.7

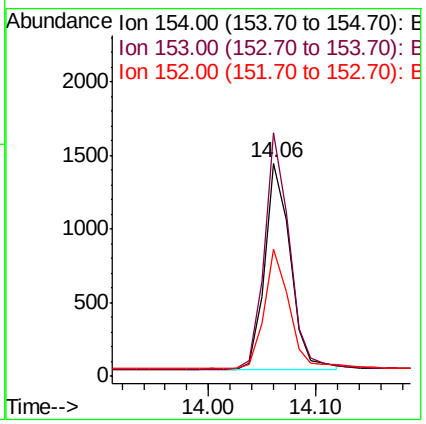




#17
Acenaphthene
Concen: 0.450 ng
RT: 14.06 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:154 Resp: 2315

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	56.2	42.0	63.0



Instrument :
BNA_E
ClientSampleId :
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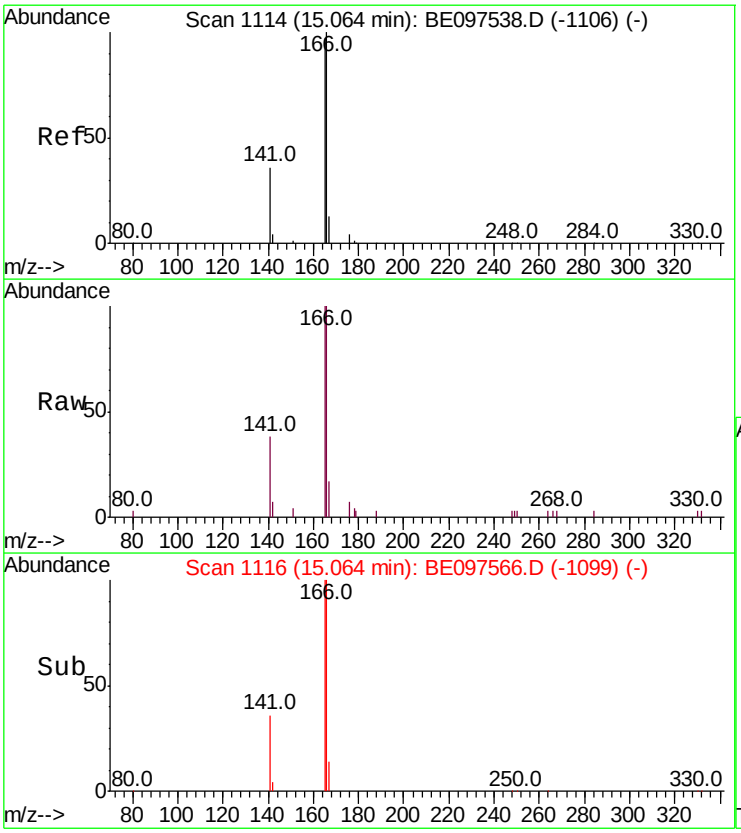
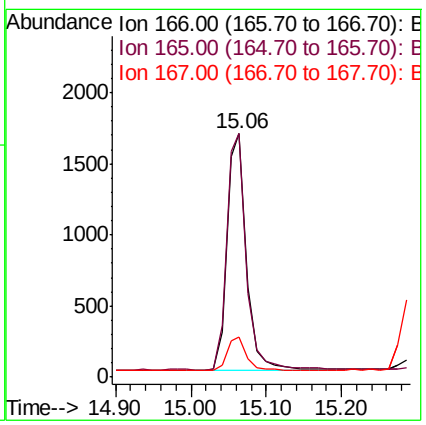
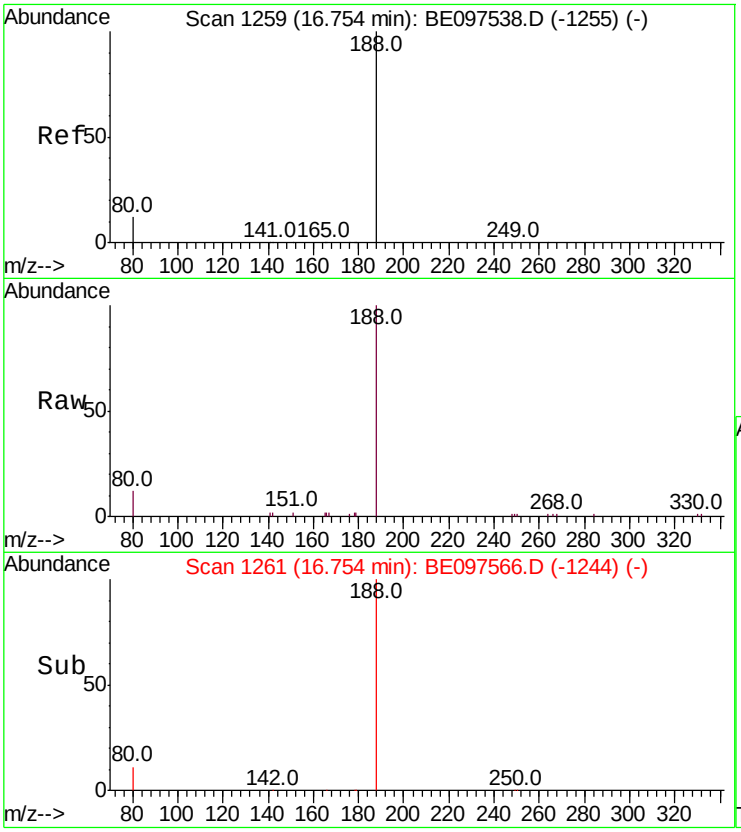


#18
Fluorene
Concen: 0.454 ng
RT: 15.06 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:166 Resp: 3040

Ion	Ratio	Lower	Upper
166	100		
165	101.1	77.8	116.6
167	14.1	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:188 Resp: 5498

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.0	3.6	5.4#

Instrument :
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ClientSampleId :
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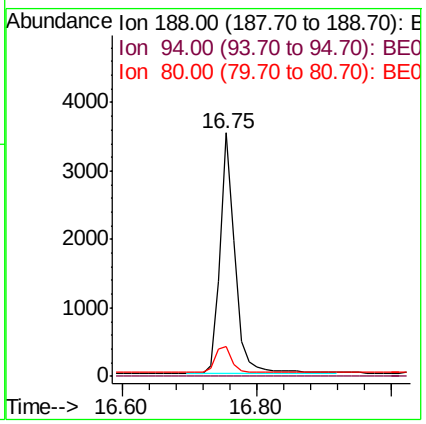
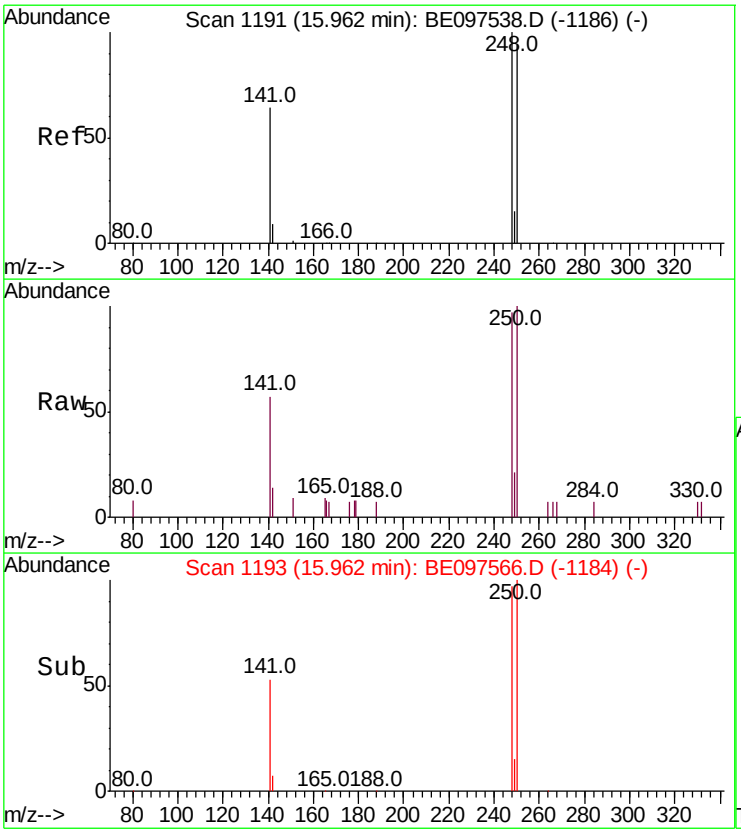
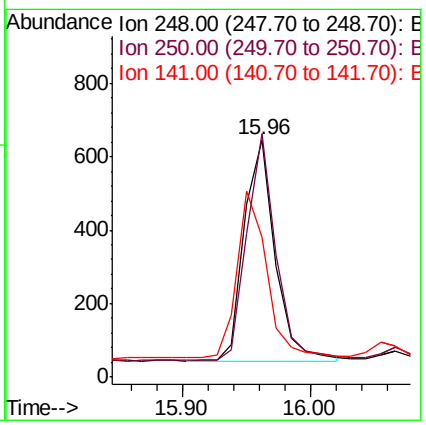


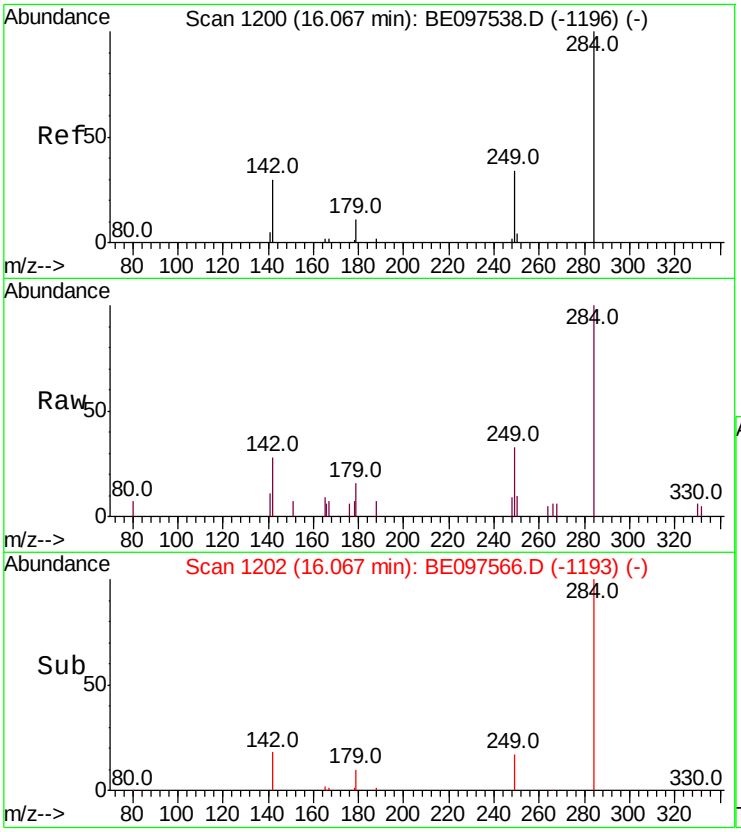


#20
4-Bromophenyl-phenylether
Concen: 0.408 ng
RT: 15.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:248 Resp: 1012

Ion	Ratio	Lower	Upper
248	100		
250	102.6	62.7	94.1#
141	58.8	48.2	72.2





#21
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.07 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:284 Resp: 1115

Ion	Ratio	Lower	Upper
284	100		
142	32.0	22.1	33.1
249	30.0	34.8	52.2#

Instrument :
BNA_E
ClientSampleId :
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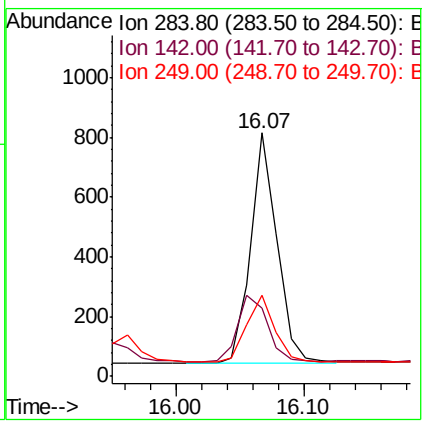
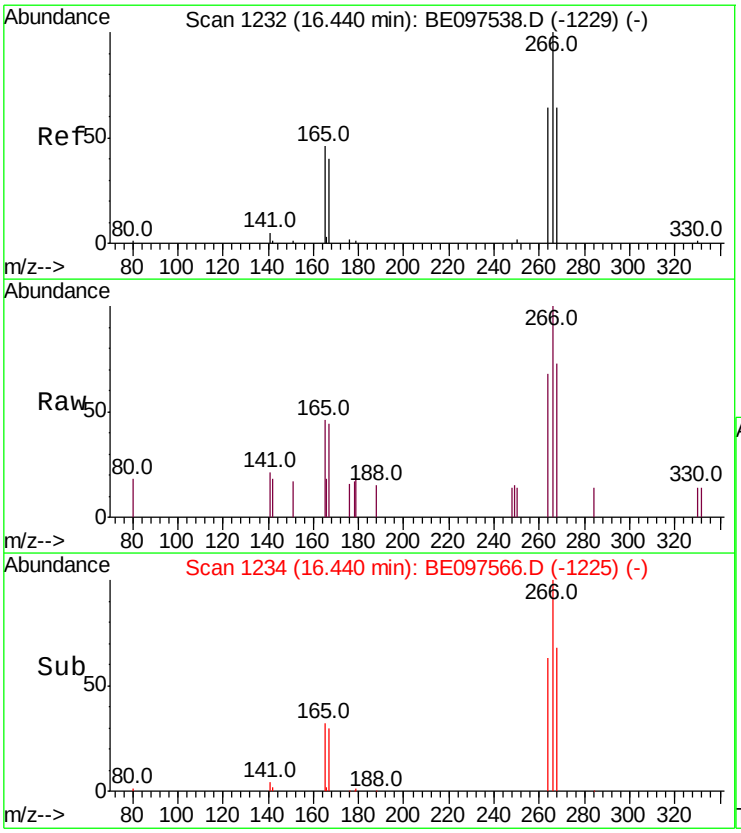
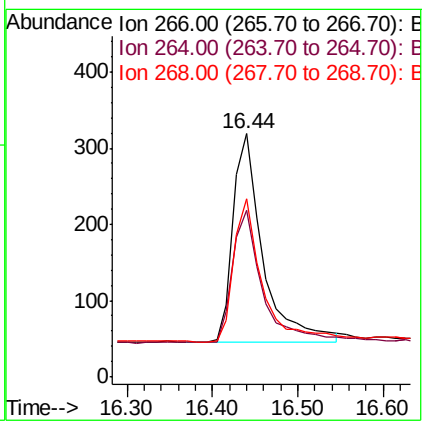


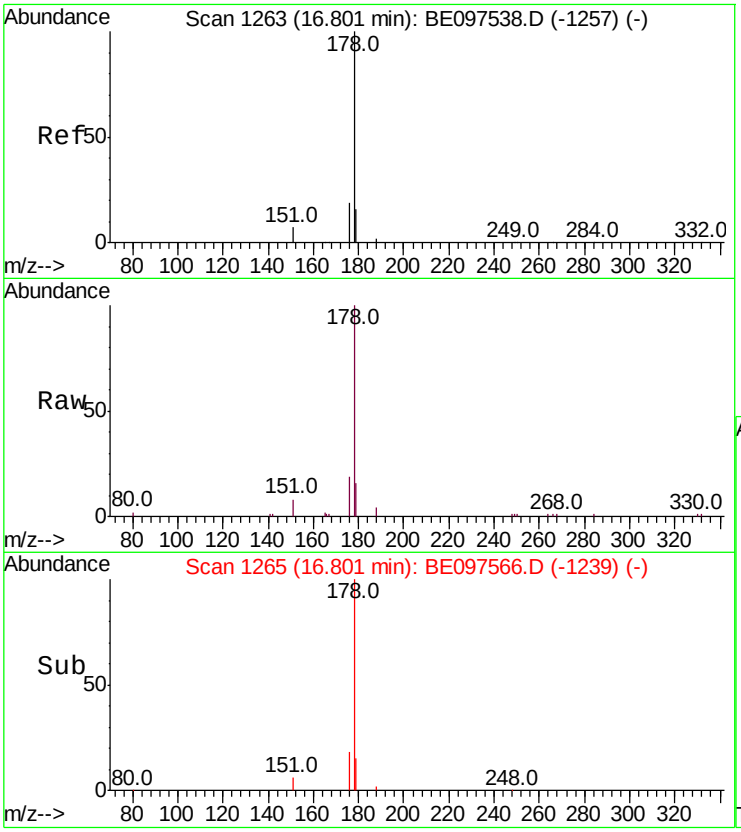


#22
Pentachlorophenol
Concen: 0.679 ng
RT: 16.44 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:266 Resp: 671

Ion	Ratio	Lower	Upper
266	100		
264	68.3	72.5	108.7#
268	73.0	73.8	110.6#

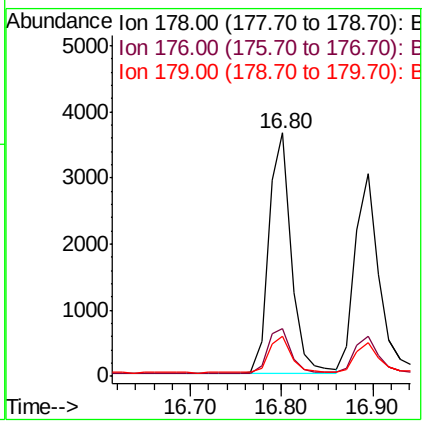




#23
Phenanthrene
Concen: 0.472 ng
RT: 16.80 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:178 Resp: 6155

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.5	11.8	17.6



Instrument :
BNA_E
ClientSampleId :
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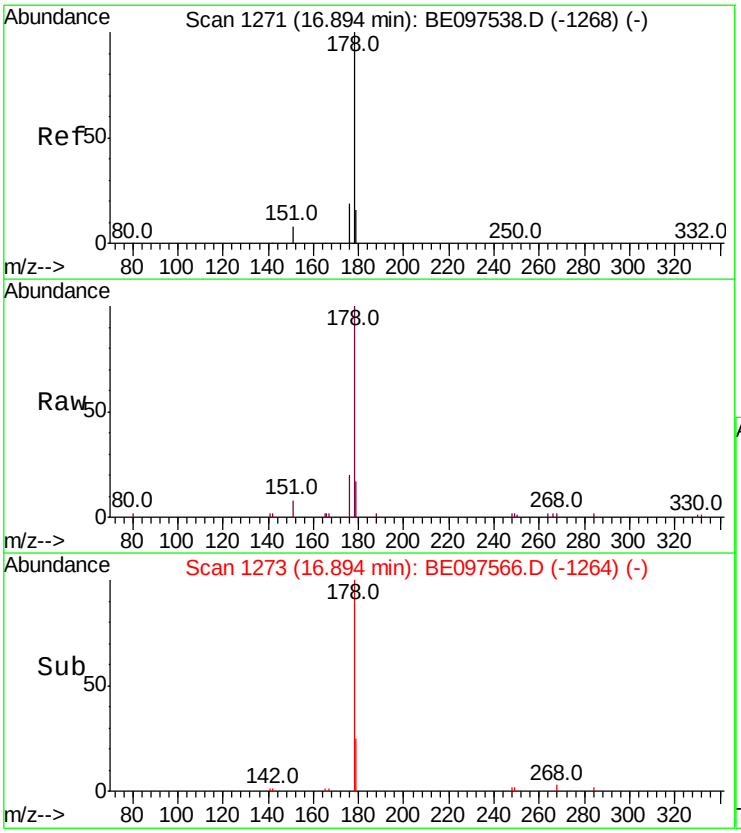
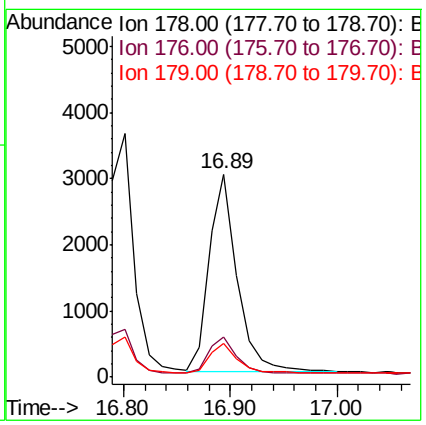
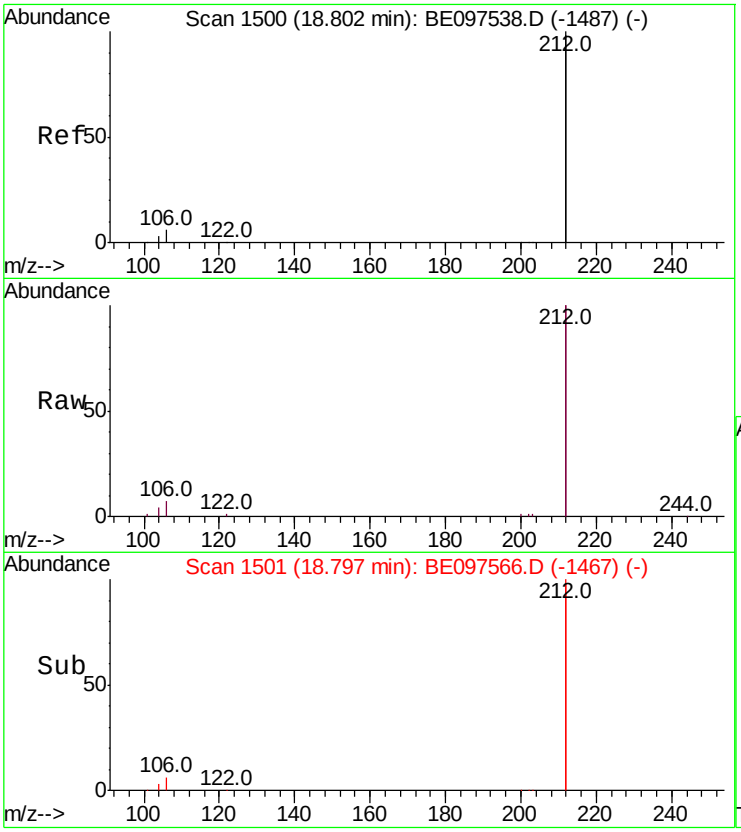


#24
Anthracene
Concen: 0.470 ng
RT: 16.89 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:178 Resp: 5419

Ion	Ratio	Lower	Upper
178	100		
176	18.2	12.8	19.2
179	15.2	13.0	19.6





#25
Fluoranthene-d10
Concen: 0.418 ng
RT: 18.80 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:212 Resp: 29433

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

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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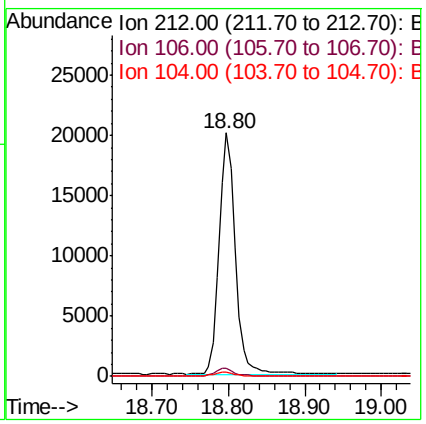
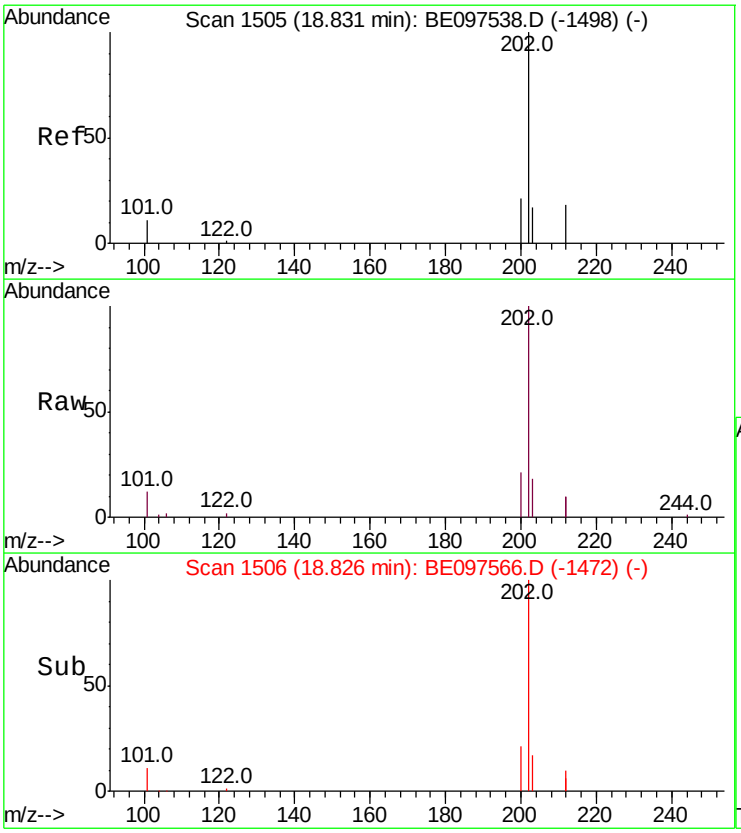
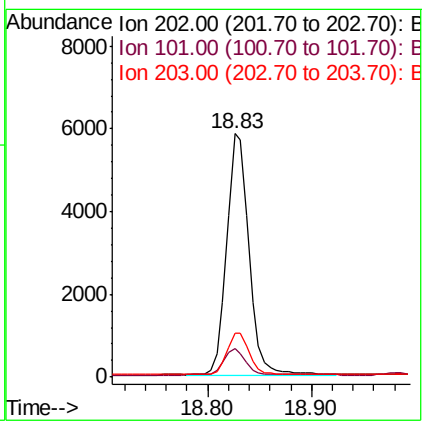


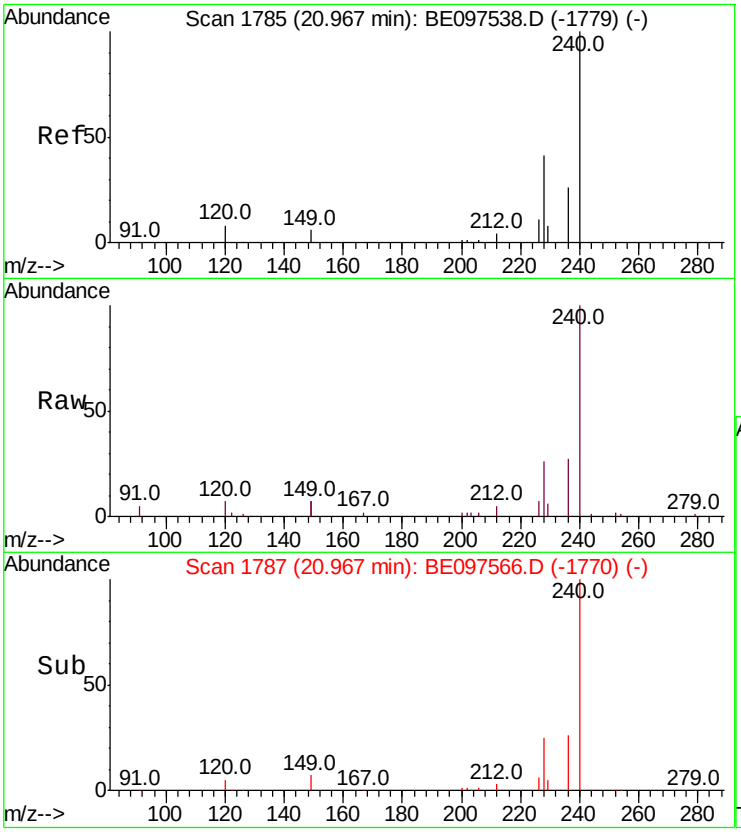


#26
Fluoranthene
Concen: 0.476 ng
RT: 18.83 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:202 Resp: 8626

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.8	14.8
203	17.4	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: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:240 Resp: 8604

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.5	8.3
236	26.6	20.7	31.1

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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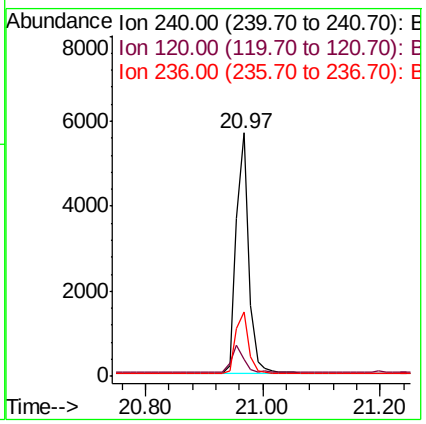
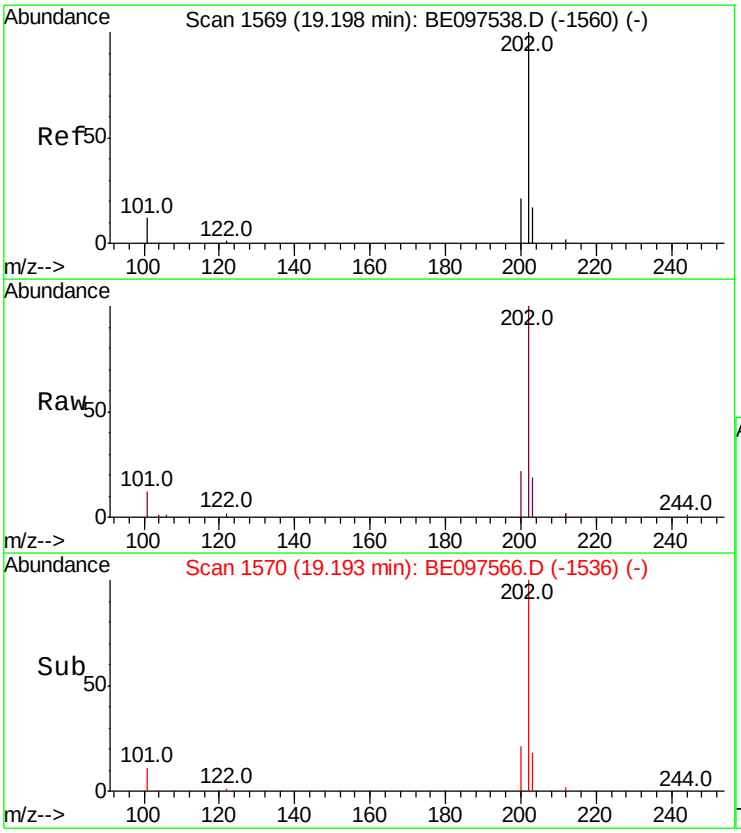
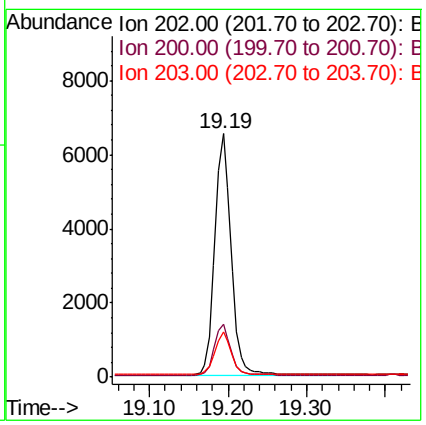


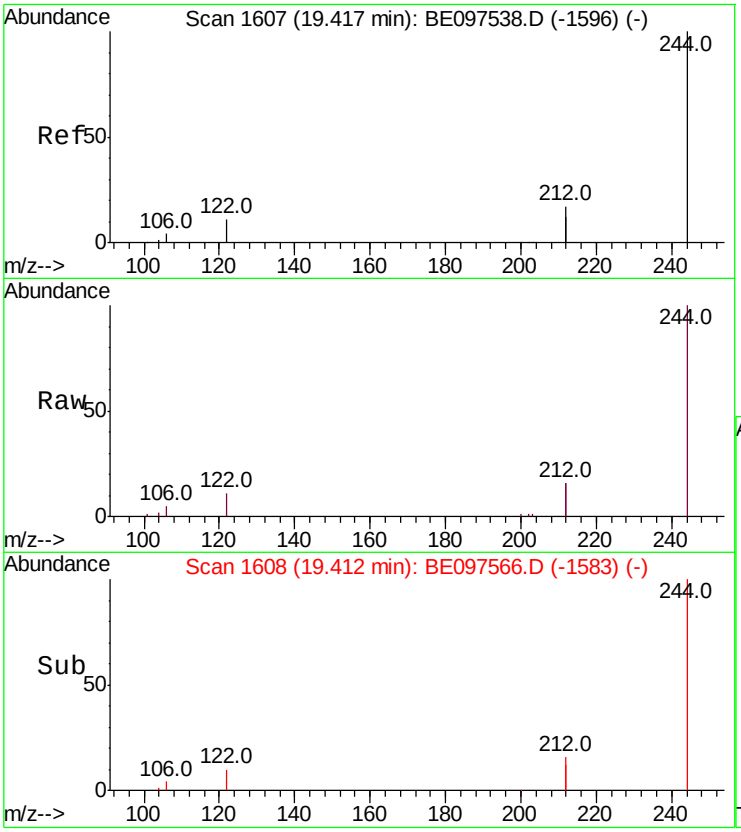


#28
Pyrene
Concen: 0.471 ng
RT: 19.19 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:202 Resp: 9221

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.9	13.8	20.8

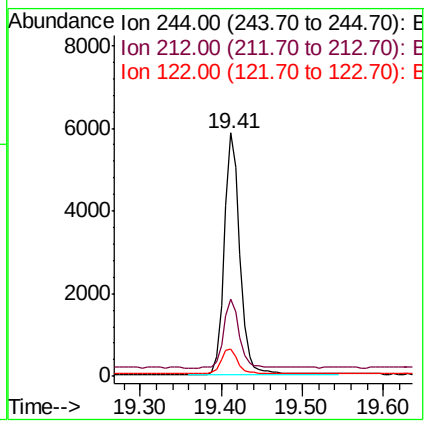




#29
Terphenyl-d14
Concen: 0.489 ng
RT: 19.41 min Scan# 1608
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:244 Resp: 7704

Ion	Ratio	Lower	Upper
244	100		
212	32.0	25.4	38.0
122	11.4	8.1	12.1



Instrument :
BNA_E
ClientSampleId :
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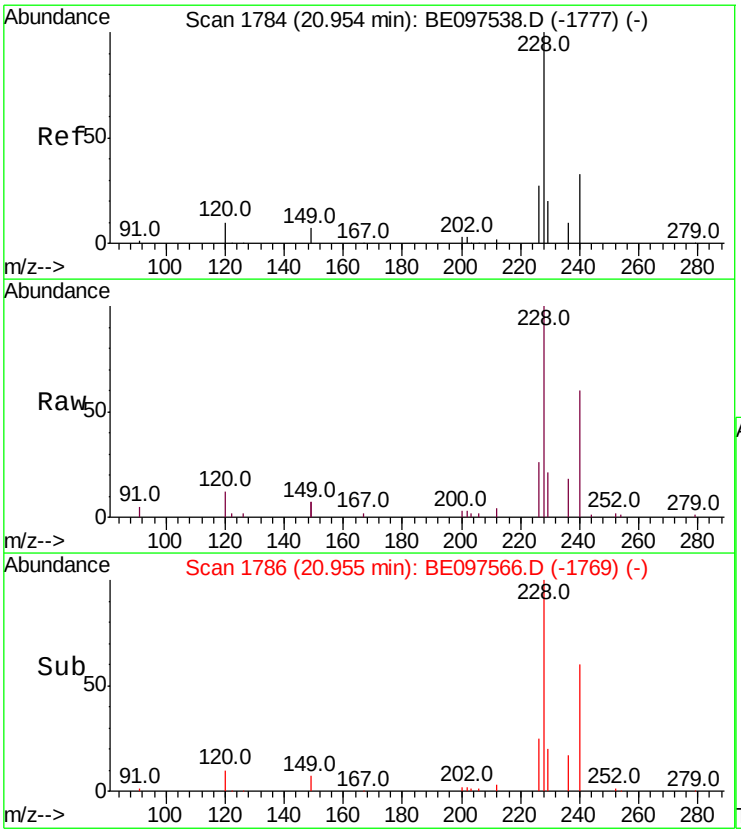
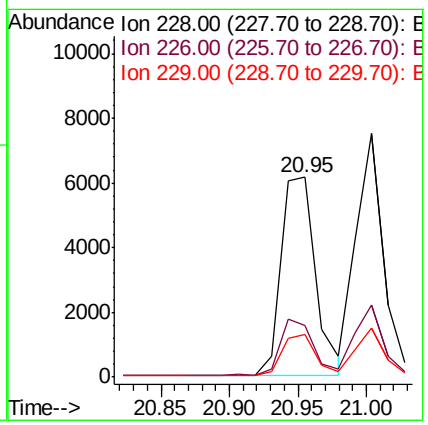
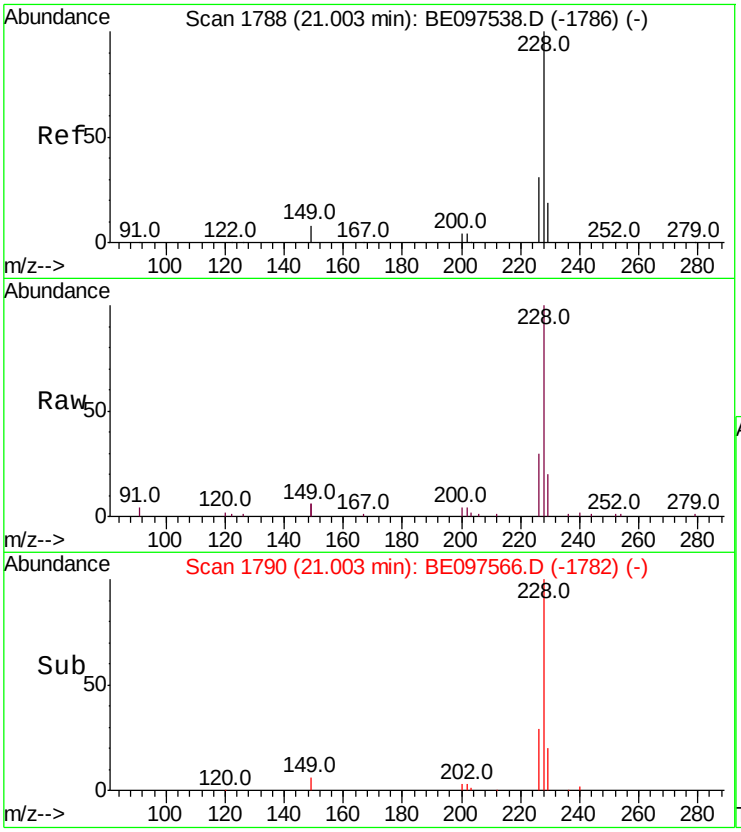


#30
Benzo(a)anthracene
Concen: 0.494 ng
RT: 20.95 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:228 Resp: 10697

Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.0	36.0
229	21.0	16.0	24.0





#31
Chrysene
Concen: 0.447 ng
RT: 21.00 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:228 Resp: 10386

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	20.3	16.0	24.0

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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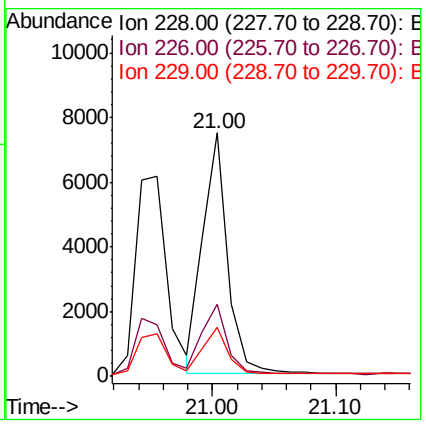
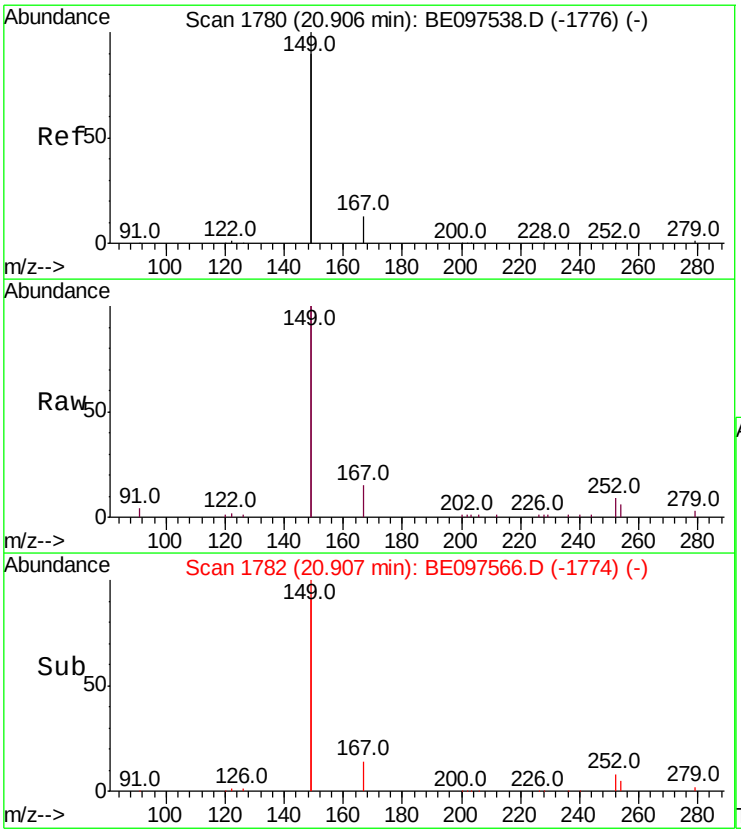
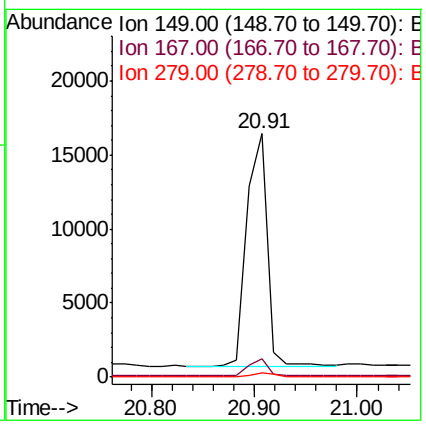


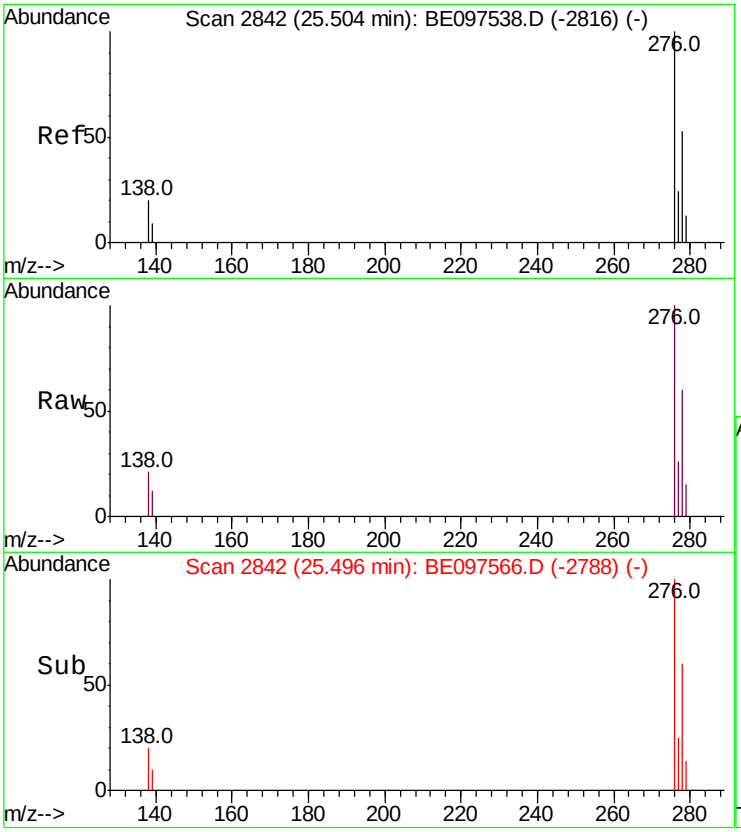


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.616 ng
RT: 20.91 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:149 Resp: 22042

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.2	0.7	1.1#

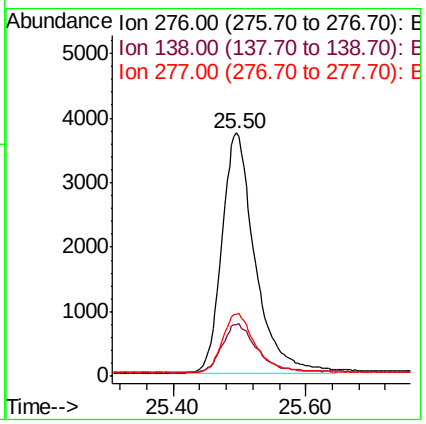




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.461 ng
RT: 25.50 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:276 Resp: 12896

Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.5	33.7#
277	24.8	19.9	29.9



Instrument :
BNA_E
ClientSampleId :
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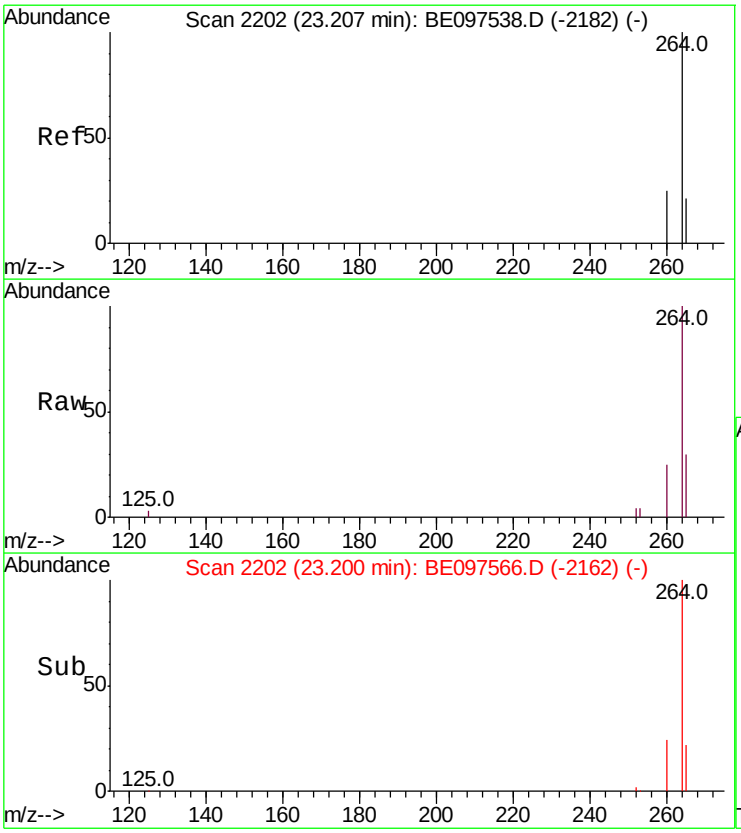
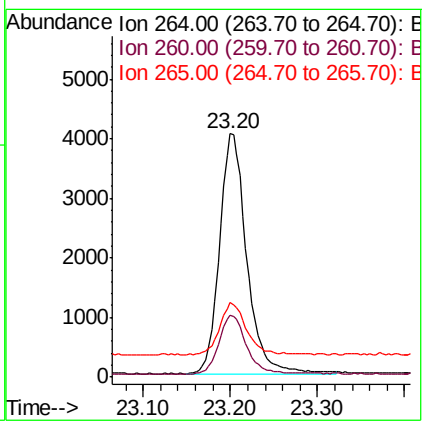
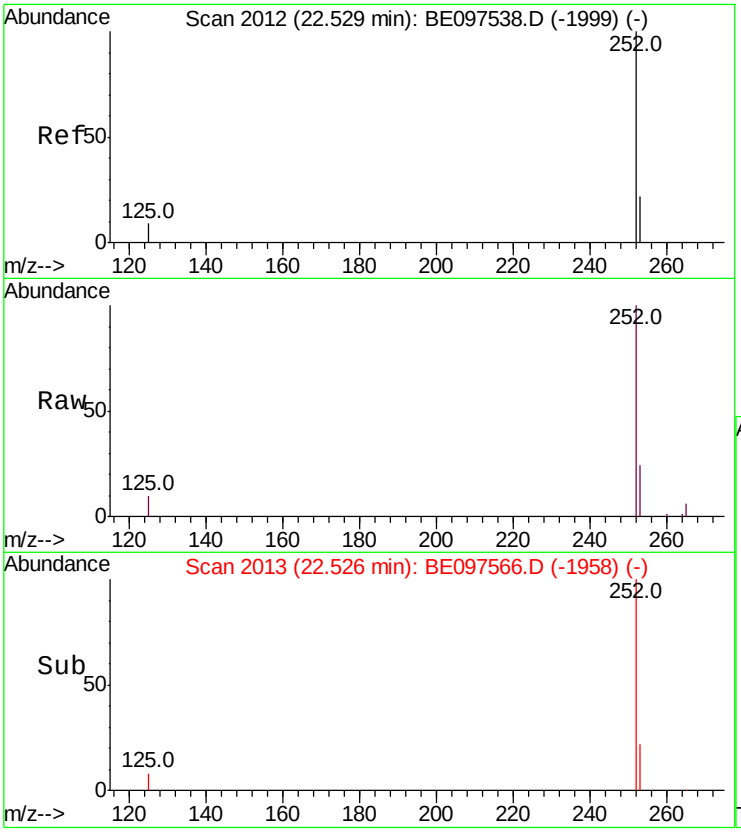


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:264 Resp: 8677

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.5	30.7
265	30.5	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.459 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:252 Resp: 10221

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	10.4	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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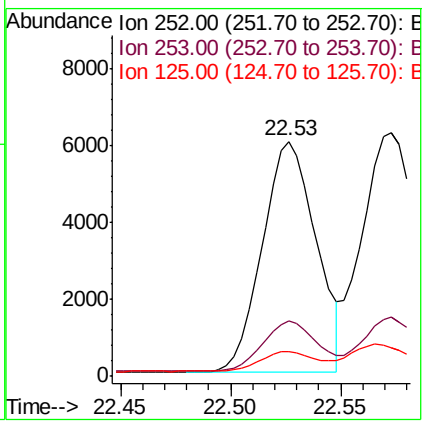
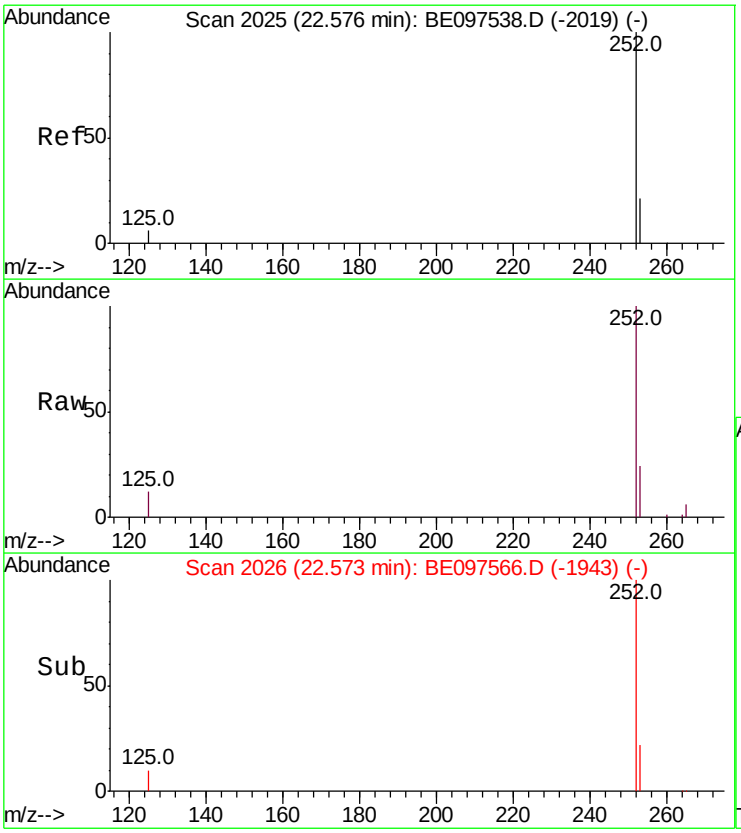
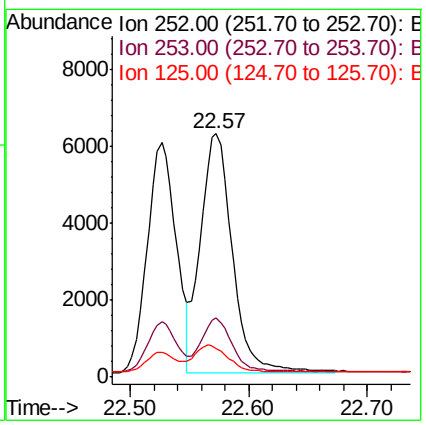


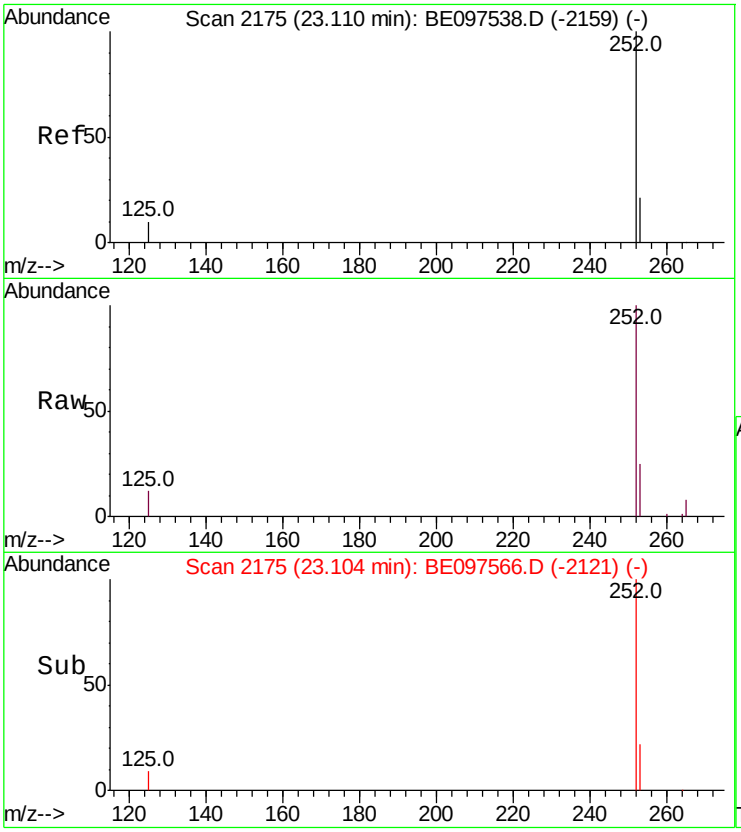


#36
Benzo(k)fluoranthene
Concen: 0.463 ng m
RT: 22.57 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:252 Resp: 11767

Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.0	24.0#
125	11.9	8.0	12.0





#37
Benzo(a)pyrene
Concen: 0.474 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:252 Resp: 10294

Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0#
125	11.9	12.0	18.0#

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

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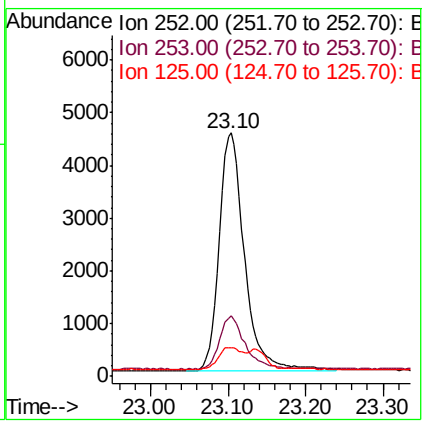
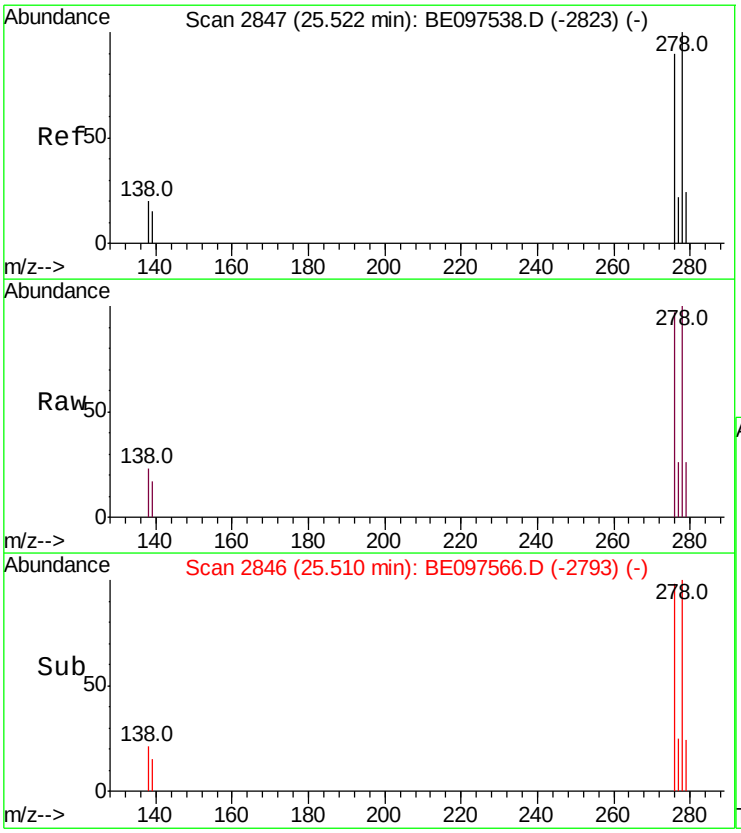
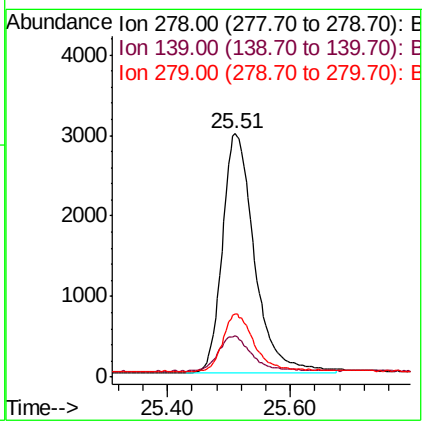


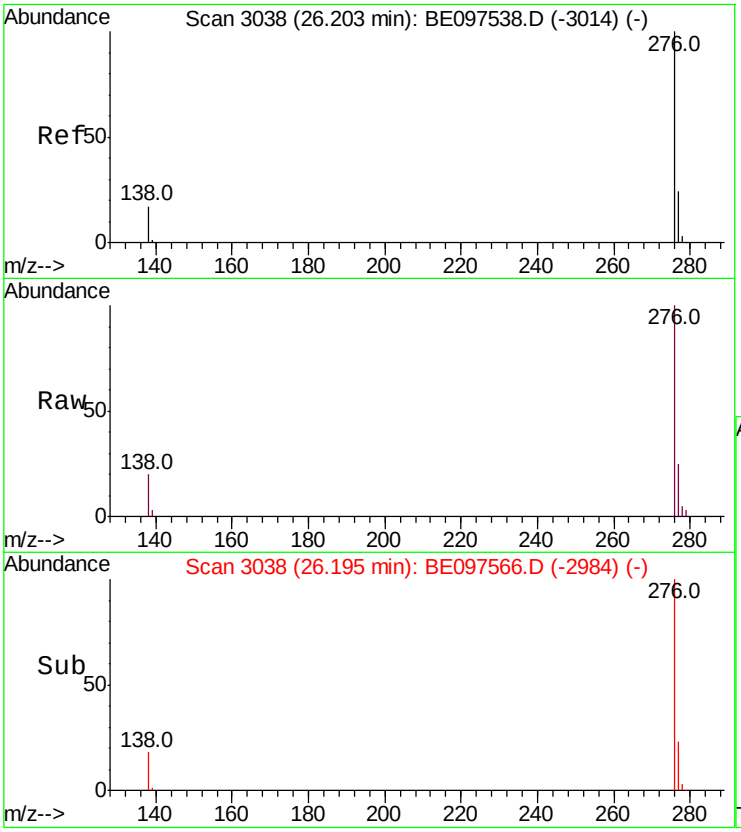


#38
Dibenzo(a,h)anthracene
Concen: 0.462 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:278 Resp: 10788

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.0	24.0
279	25.7	20.0	30.0

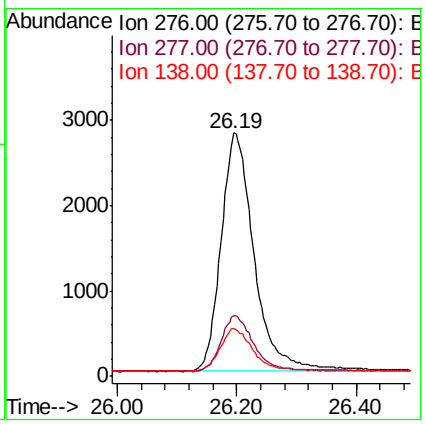




#39
Benzo(g,h,i)perylene
Concen: 0.472 ng
RT: 26.19 min Scan# 3038
Delta R.T. -0.01 min
Lab File: BE097566.D
Acq: 20 Sep 2018 7:47

Tgt Ion:276 Resp: 10706

Ion	Ratio	Lower	Upper
276	100		
277	24.9	16.0	24.0#
138	19.7	20.0	30.0#



Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180915MS

Manual Integrations APPROVED
Sohil
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