Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE073118\
Data File : BE097118.D
Acq On : 31 Jul 2018 12:23
Operator : SJ/JU
Sample : J4211-07MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

Manual Integrations APPROVED
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8/1/2018 4:50:03 PM

Quant Time: Jul 31 13:51:15 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 31 10:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1562	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	7429	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	4676	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	12781	0.40	ng		0.00
27) Chrysene-d12	20.98	240	14920	0.40	ng		0.00
34) Perylene-d12	23.21	264	14056	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	949	0.22	ng		0.01
5) Phenol-d6	6.60	99	804	0.12	ng		0.00
8) Nitrobenzene-d5	8.52	82	3288	0.51	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	6087	0.55	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	982	0.64	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	8158	0.51	ng		0.00
25) Fluoranthene-d10	18.81	212	69466	0.54	ng		0.00
29) Terphenyl-d14	19.43	244	15047	0.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	601	0.242	ng	#	54
3) n-Nitrosodimethylamine	3.38	42	511	0.184	ng	#	92
6) bis(2-Chloroethyl)ether	6.84	93	2447	0.416	ng	#	91
9) Naphthalene	10.20	128	31687	0.475	ng		99
10) Hexachlorobutadiene	10.48	225	1116	0.374	ng		94
12) 2-Methylnaphthalene	11.80	142	5665	0.495	ng	#	92
16) Acenaphthylene	13.73	152	9301	0.443	ng		96
17) Acenaphthene	14.08	154	8693	0.713	ng		94
18) Fluorene	15.08	166	7724	0.479	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	2454	0.395	ng	#	72
21) Hexachlorobenzene	16.08	284	2264	0.340	ng	#	66
22) Pentachlorophenol	16.43	266	3445	1.630	ng	#	71
23) Phenanthrene	16.81	178	15613	0.513	ng	#	90
24) Anthracene	16.89	178	19010	0.698	ng	#	92
26) Fluoranthene	18.84	202	20652	0.604	ng		96
28) Pyrene	19.20	202	24236	0.592	ng		97
30) Benzo(a)anthracene	20.95	228	20866	0.562	ng	#	86
31) Chrysene	21.01	228	18353	0.461	ng	#	84
32) Bis(2-ethylhexyl)phthalate	20.93	149	50147	1.144	ng	#	98
33) Indeno(1,2,3-cd)pyrene	25.50	276	19680	0.546	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	18239m	0.511	ng		
36) Benzo(k)fluoranthene	22.58	252	18013	0.433	ng	#	80
37) Benzo(a)pyrene	23.11	252	16692	0.498	ng	#	86
38) Dibenzo(a,h)anthracene	25.53	278	15938	0.476	ng		98
39) Benzo(g,h,i)perylene	26.21	276	16687	0.469	ng	#	90

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

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Operator : SJ/JU
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Misc :
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QLast Update : Tue Jul 31 10:49:28 2018
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Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

Manual Integrations APPROVED
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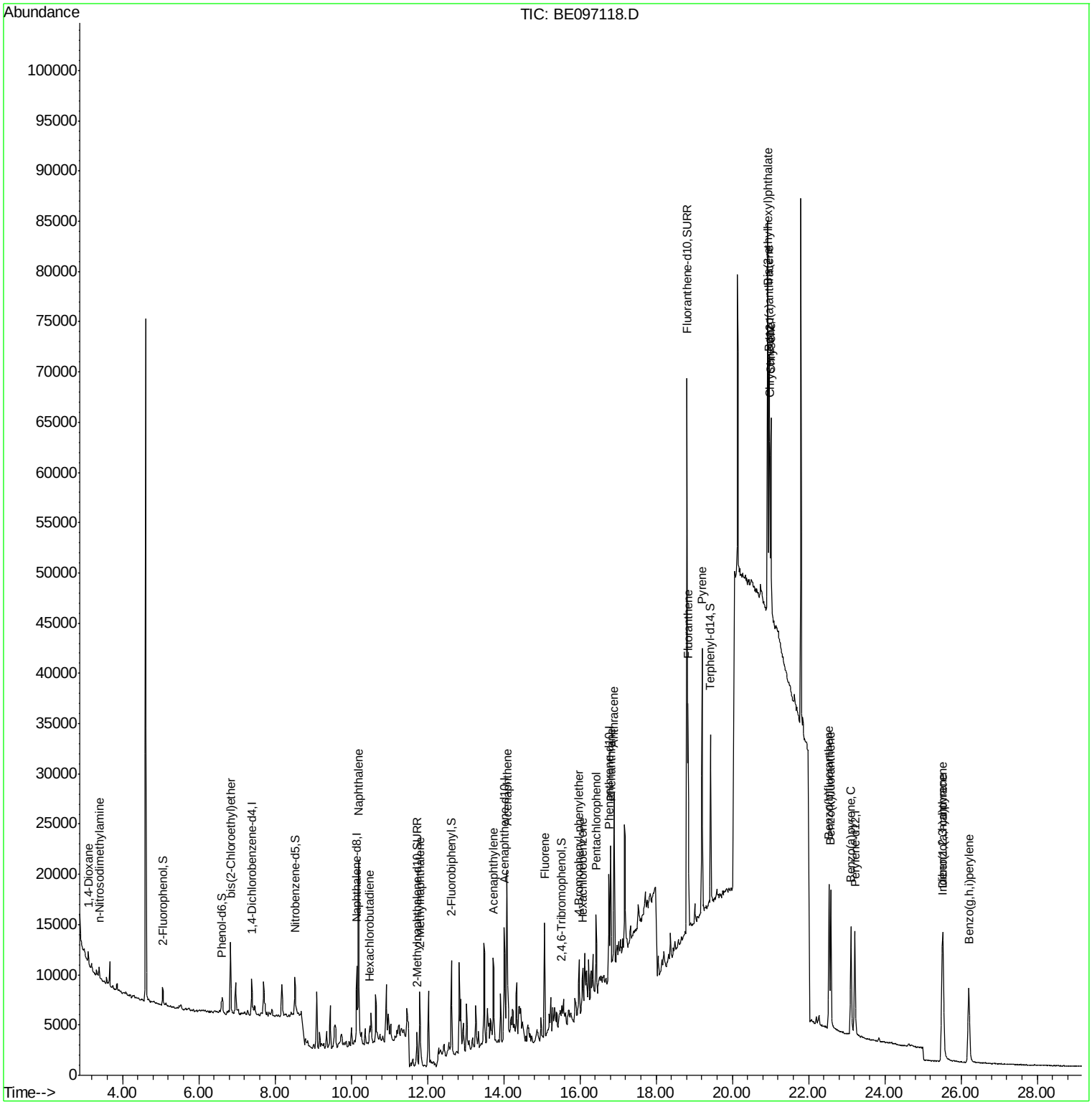
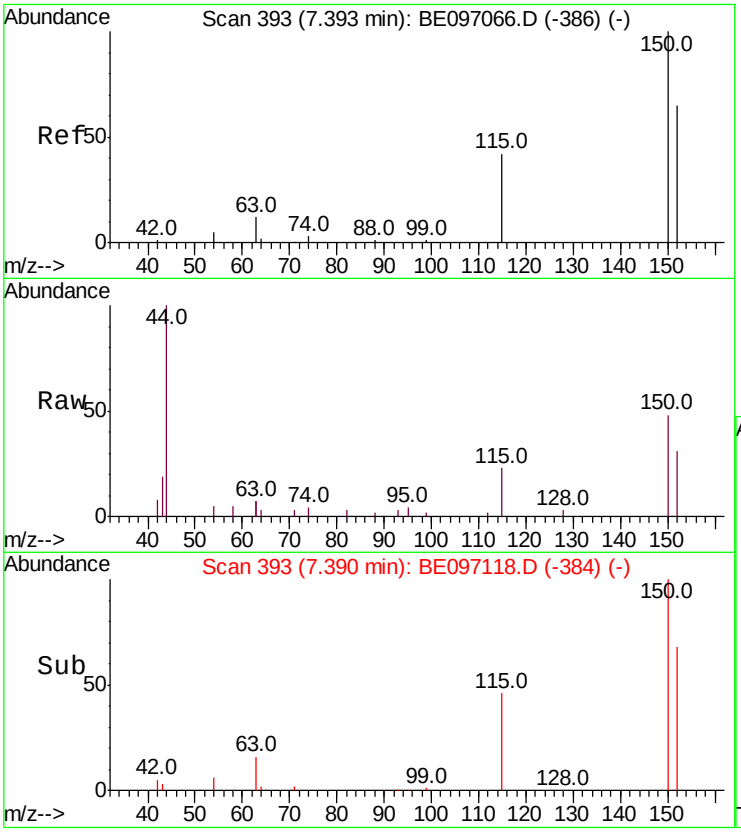
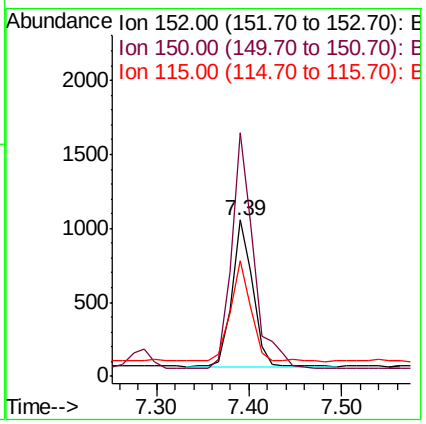




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:152 Resp: 1562

Ion	Ratio	Lower	Upper
152	100		
150	156.0	117.2	175.8
115	73.7	57.0	85.6



Instrument :
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ClientSampleId :
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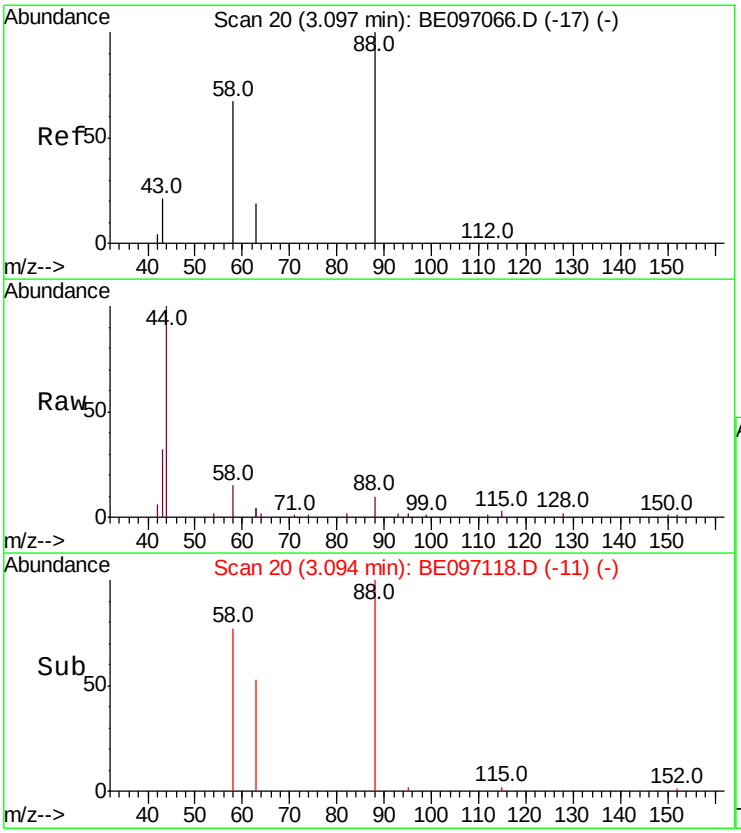
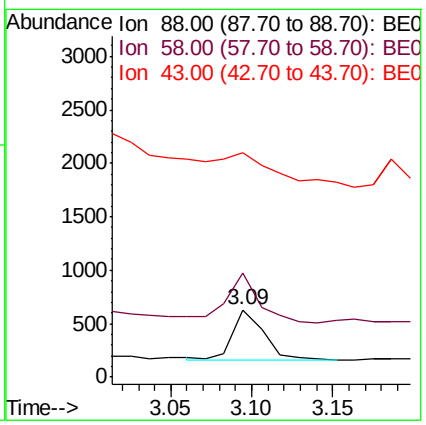
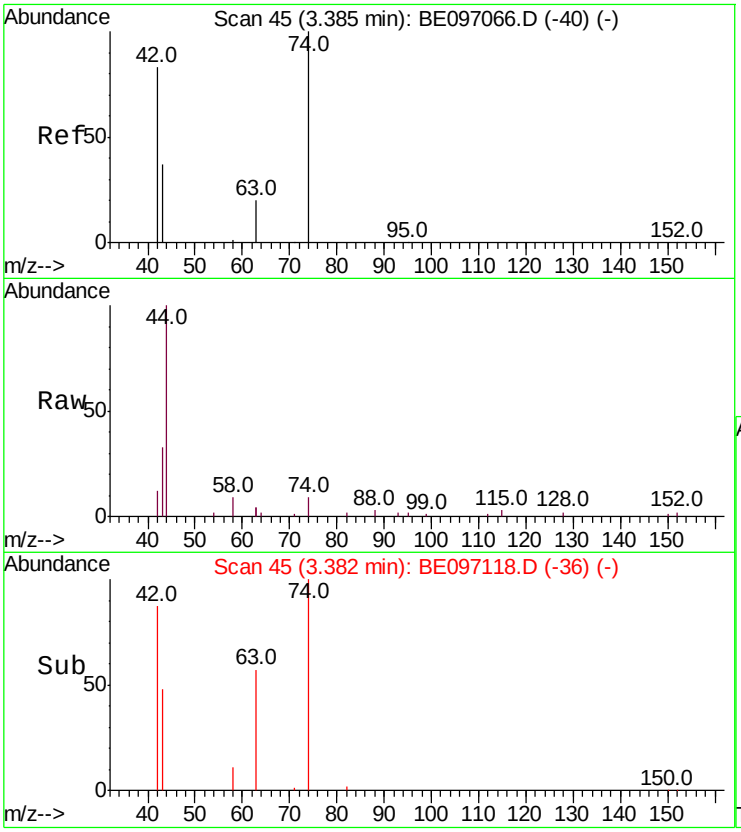


#2
1,4-Dioxane
Concen: 0.242 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion: 88 Resp: 601

Ion	Ratio	Lower	Upper
88	100		
58	103.0	63.2	94.8#
43	0.0	41.2	61.8#

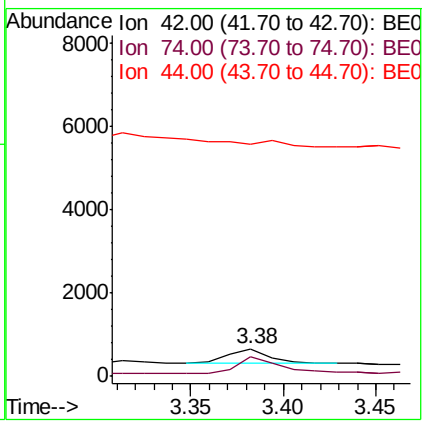




#3
n-Nitrosodimethylamine
Concen: 0.184 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion: 42 Resp: 511

Ion	Ratio	Lower	Upper
42	100		
74	124.9	96.0	144.0
44	0.0	12.0	18.0#



Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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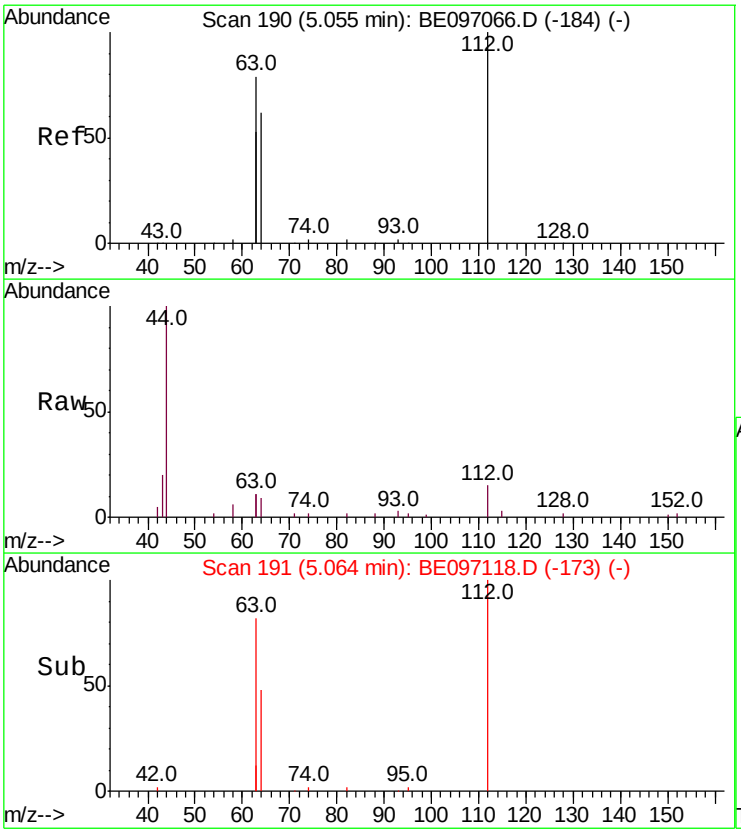
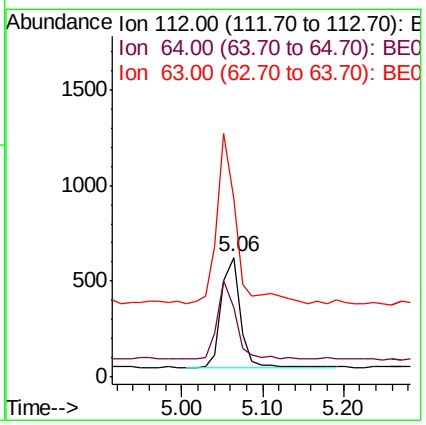
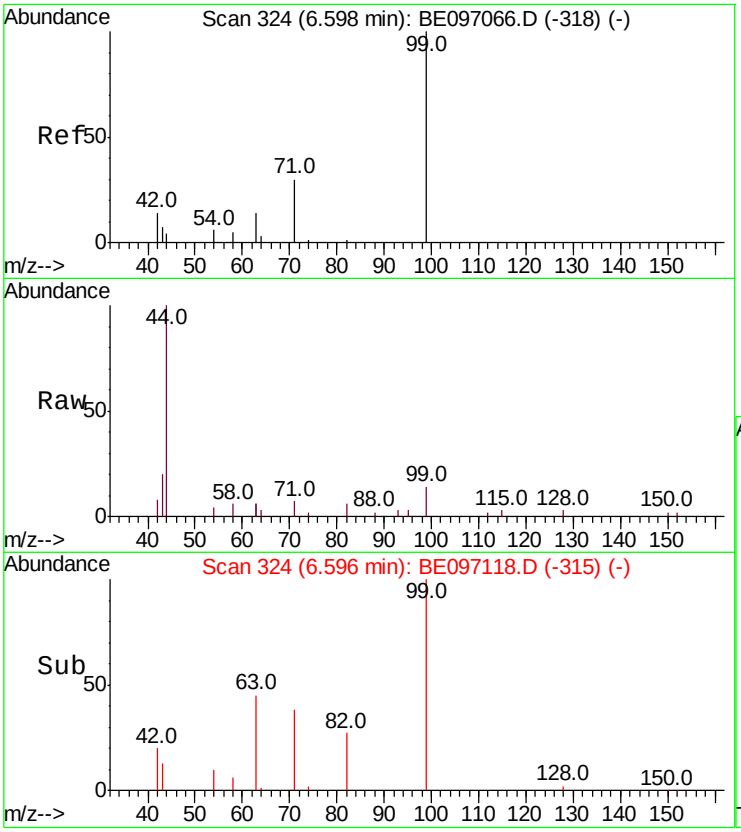


#4
2-Fluorophenol
Concen: 0.216 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:112 Resp: 949

Ion	Ratio	Lower	Upper
112	100		
64	68.9	60.1	90.1
63	149.9	116.8	175.2

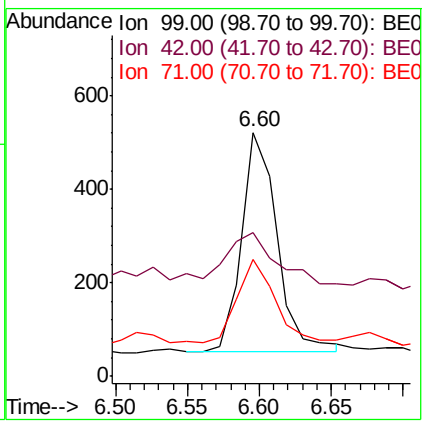




#5
Phenol-d6
Concen: 0.125 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion: 99 Resp: 804

Ion	Ratio	Lower	Upper
99	100		
42	30.8	20.2	30.2#
71	39.7	28.4	42.6



Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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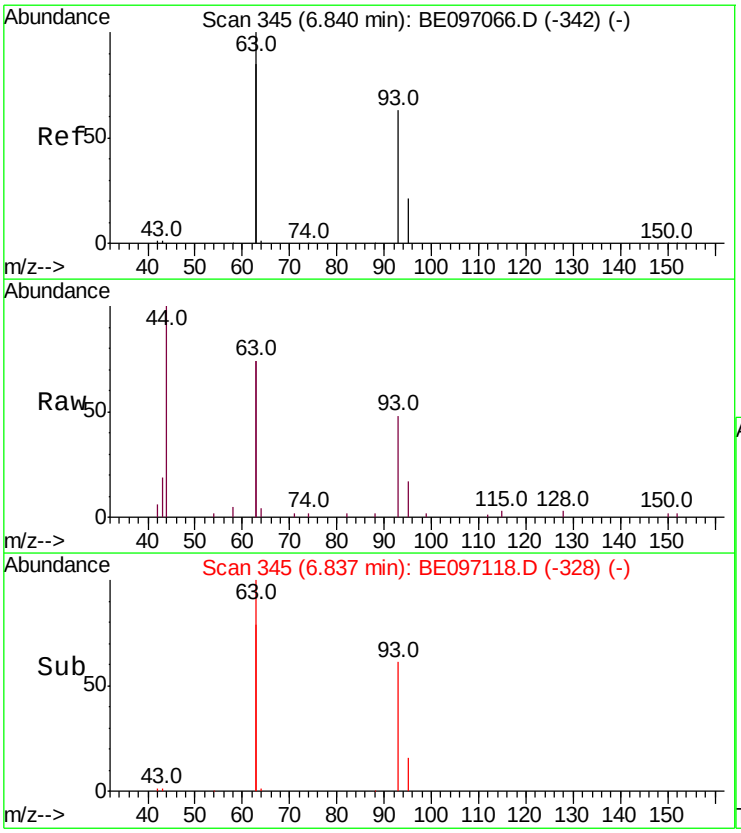
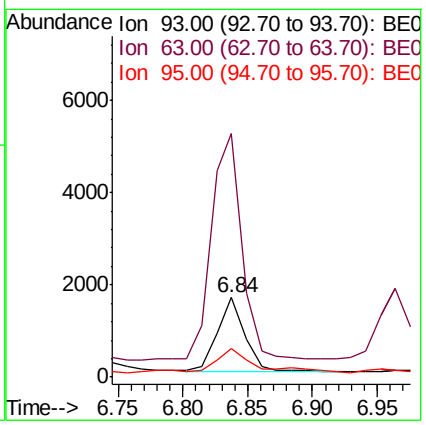
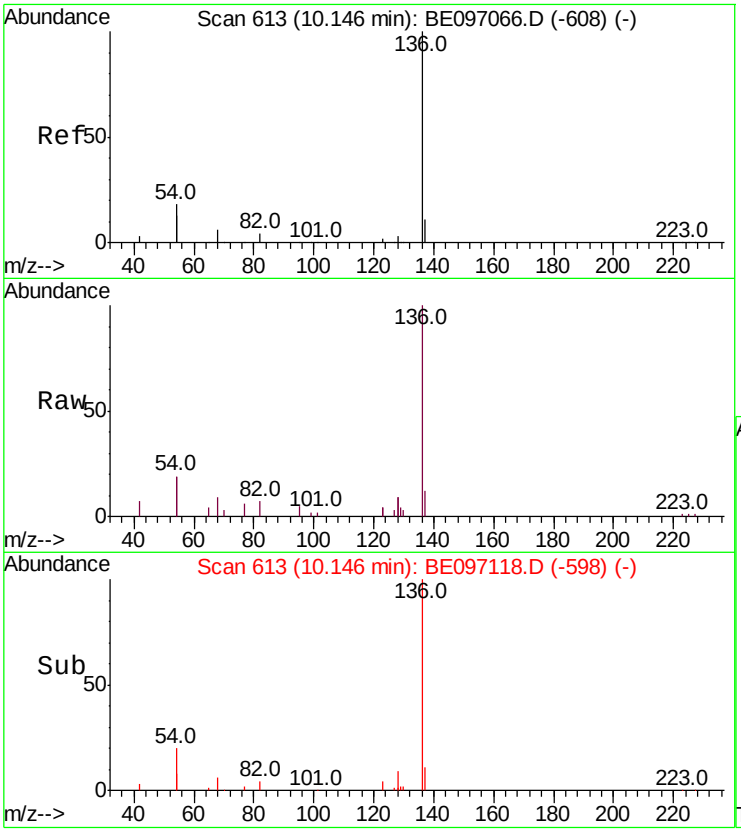


#6
bis(2-Chloroethyl)ether
Concen: 0.416 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion: 93 Resp: 2447

Ion	Ratio	Lower	Upper
93	100		
63	326.2	275.3	412.9
95	39.8	25.2	37.8#

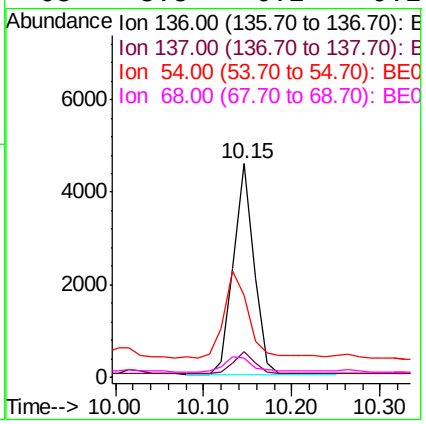




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:136 Resp: 7429

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	38.5	29.1	43.7
68	8.8	6.2	9.2



Instrument :
BNA_E
ClientSampleId :
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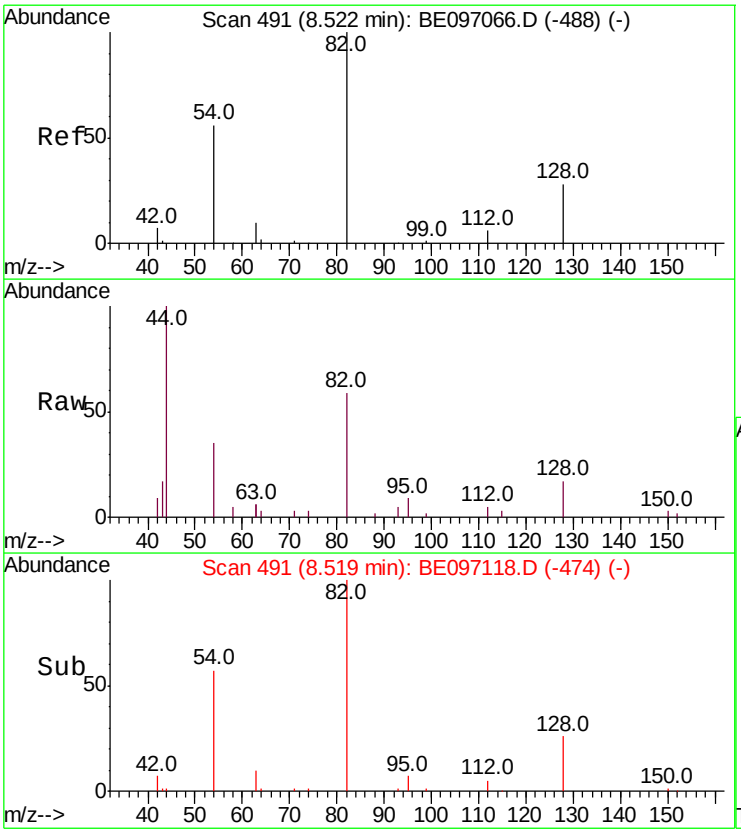
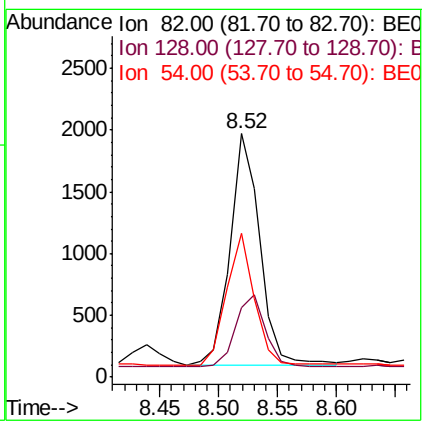
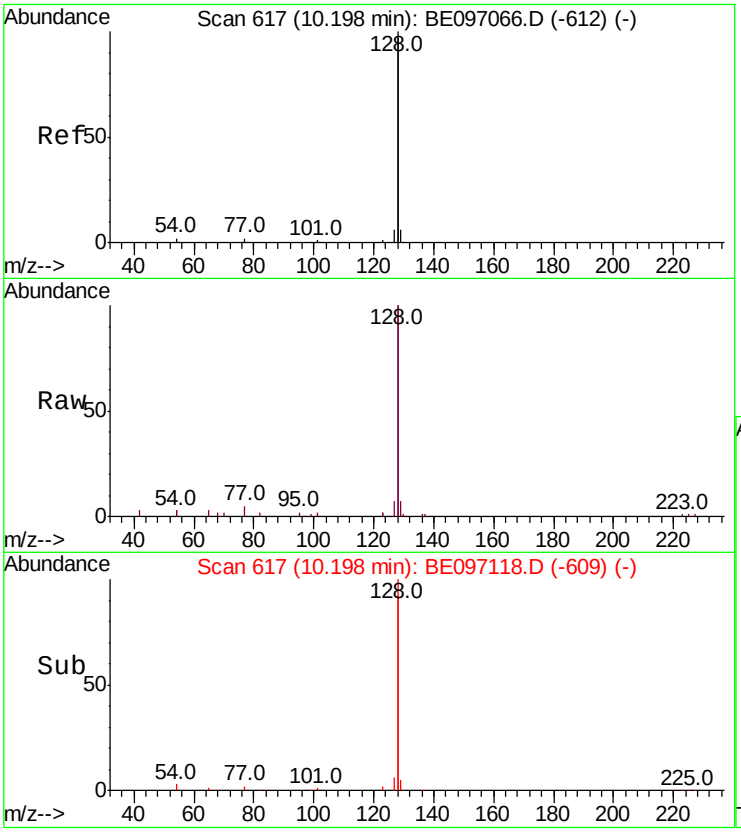


#8
Nitrobenzene-d5
Concen: 0.509 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion: 82 Resp: 3288

Ion	Ratio	Lower	Upper
82	100		
128	28.5	24.0	36.0
54	58.9	40.0	60.0

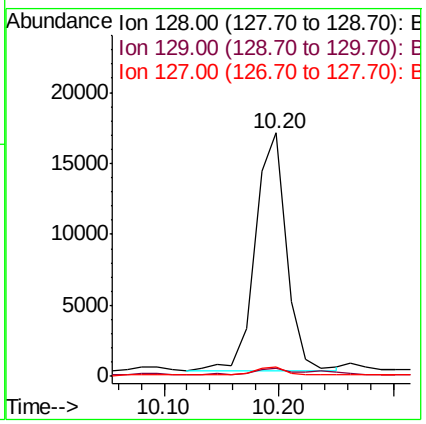




#9
Naphthalene
Concen: 0.475 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:128 Resp: 31687

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	3.8
127	3.6	2.8	4.2



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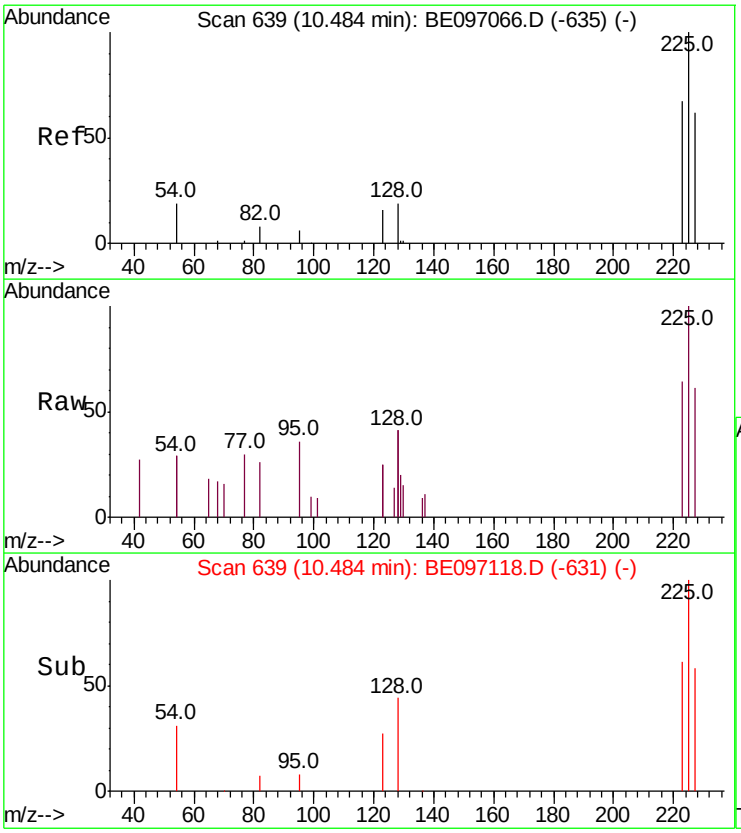
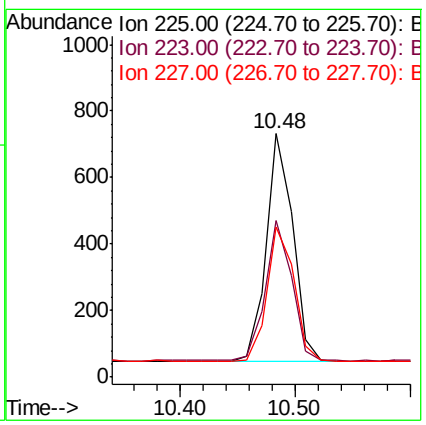
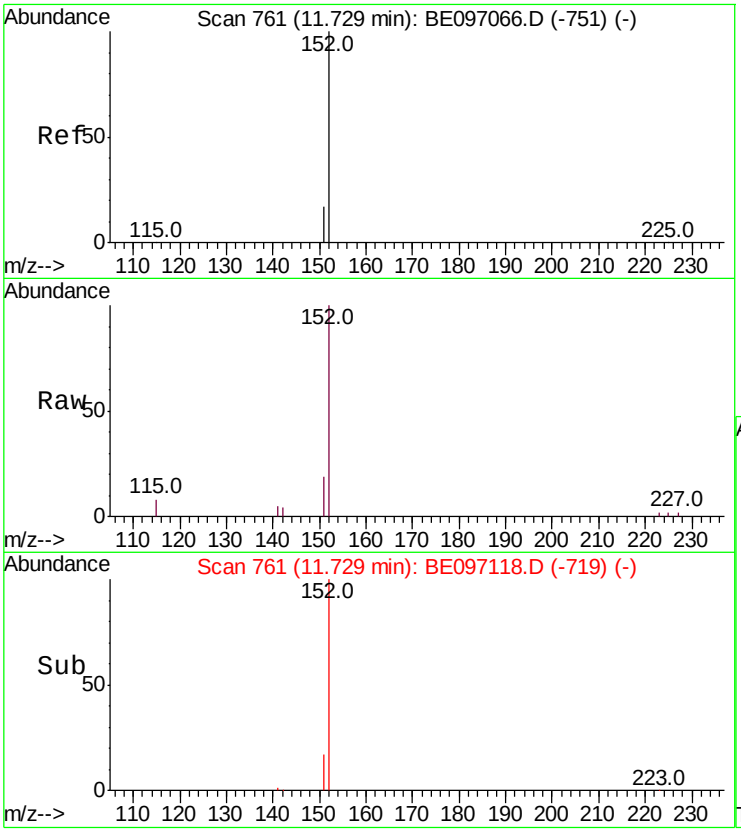


#10
Hexachlorobutadiene
Concen: 0.374 ng
RT: 10.48 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:225 Resp: 1116

Ion	Ratio	Lower	Upper
225	100		
223	60.5	53.0	79.6
227	59.9	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.547 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:152 Resp: 6087

Ion	Ratio	Lower	Upper
152	100		
151	14.6	15.4	23.0#

Instrument :
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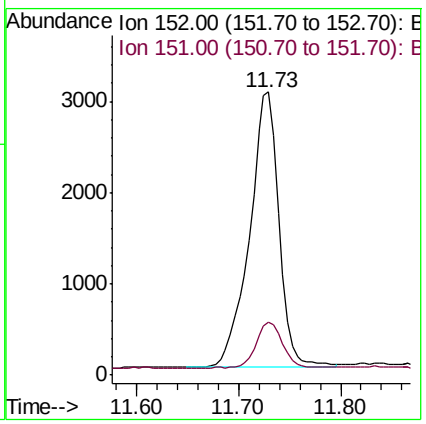
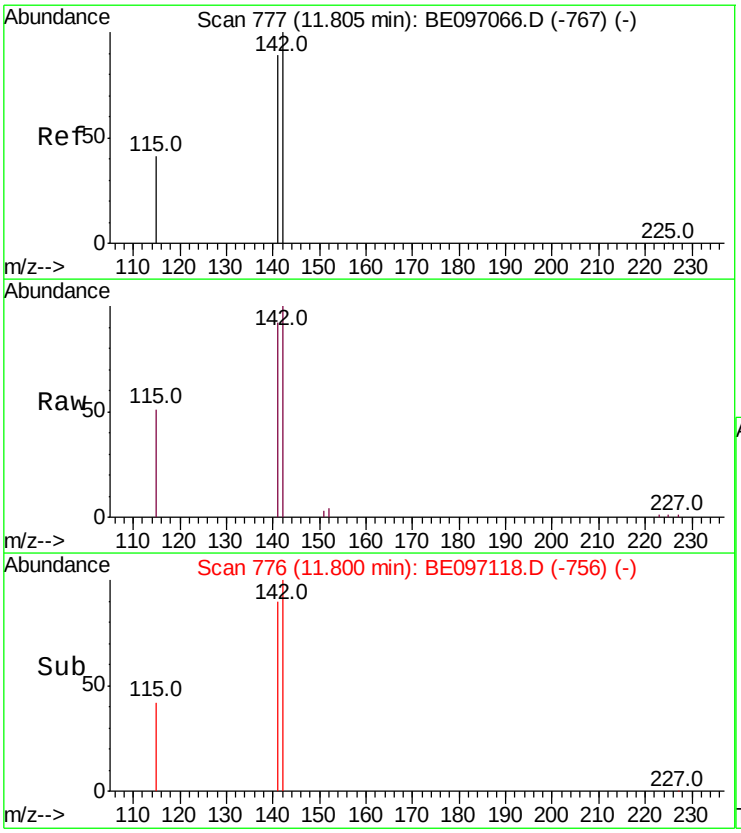
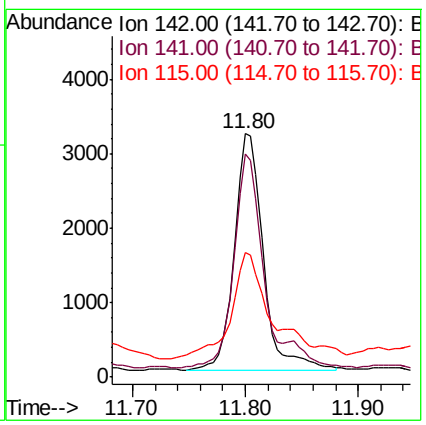


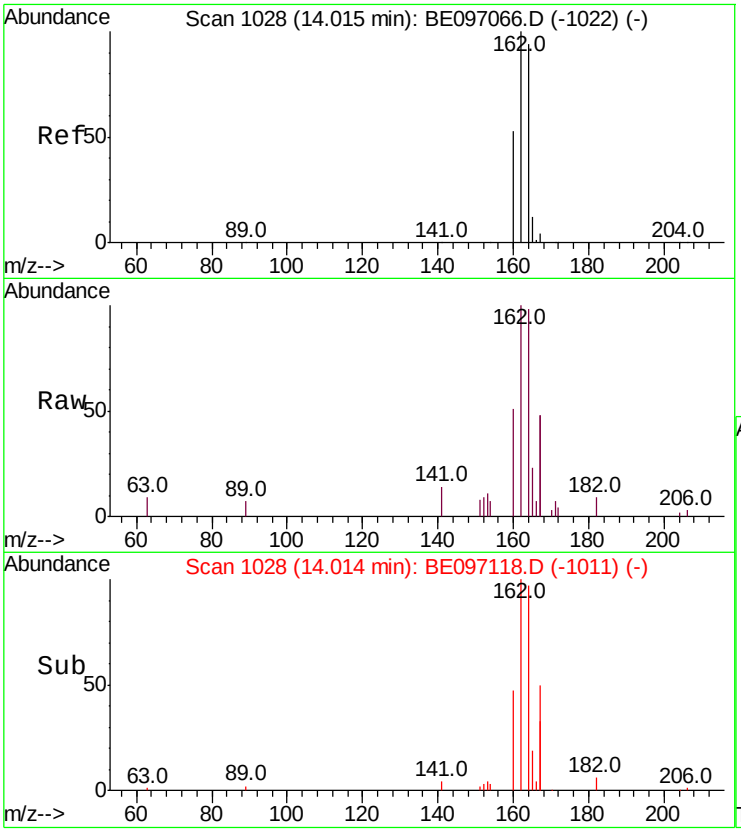


#12
2-Methylnaphthalene
Concen: 0.495 ng
RT: 11.80 min Scan# 776
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:142 Resp: 5665

Ion	Ratio	Lower	Upper
142	100		
141	91.6	70.4	105.6
115	51.0	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: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:164 Resp: 4676

Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.1	124.7
160	52.5	37.1	55.7

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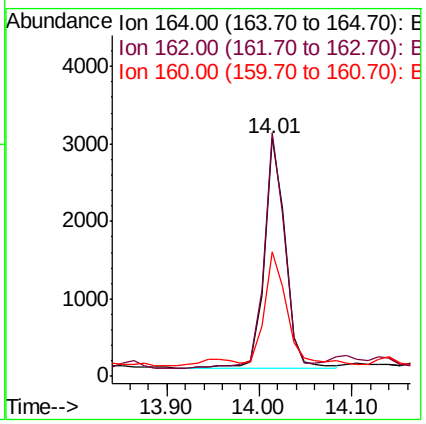
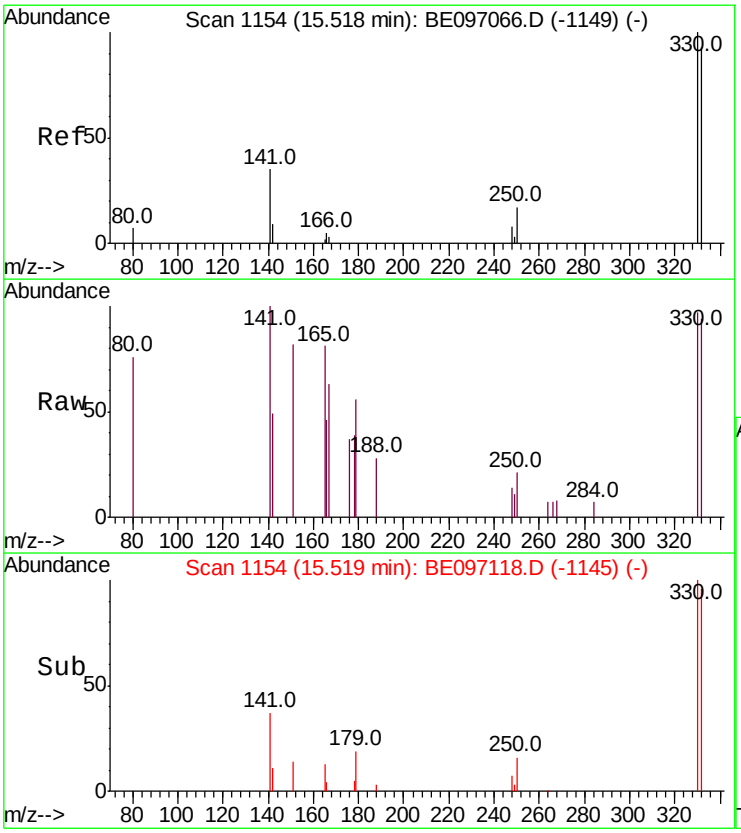
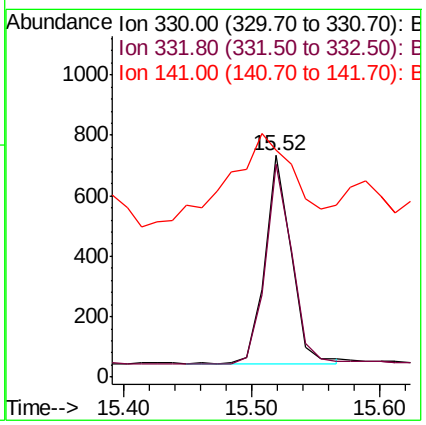


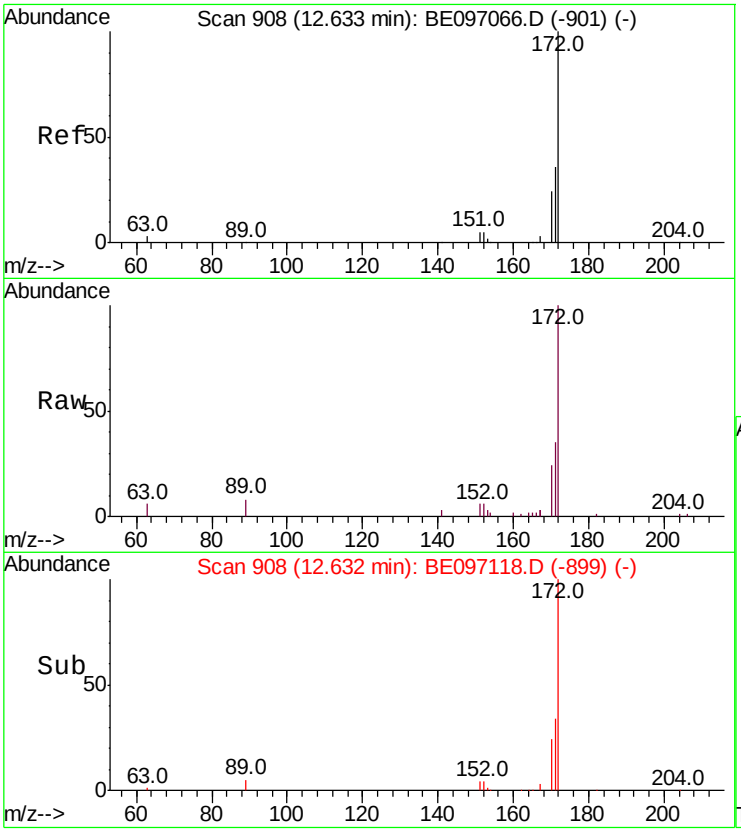


#14
2,4,6-Tribromophenol
Concen: 0.638 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:330 Resp: 982

Ion	Ratio	Lower	Upper
330	100		
332	98.5	152.7	229.1#
141	96.0	33.7	50.5#

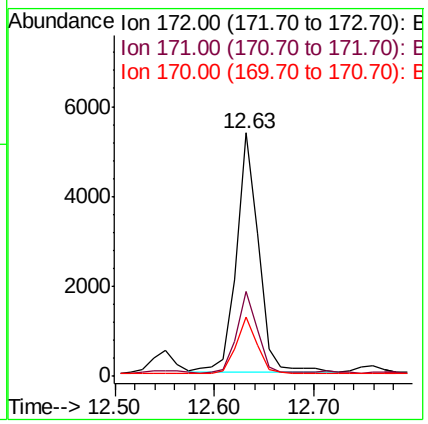




#15
2-Fluorobiphenyl
Concen: 0.505 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:172 Resp: 8158

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.9	44.9
170	24.1	21.8	32.8



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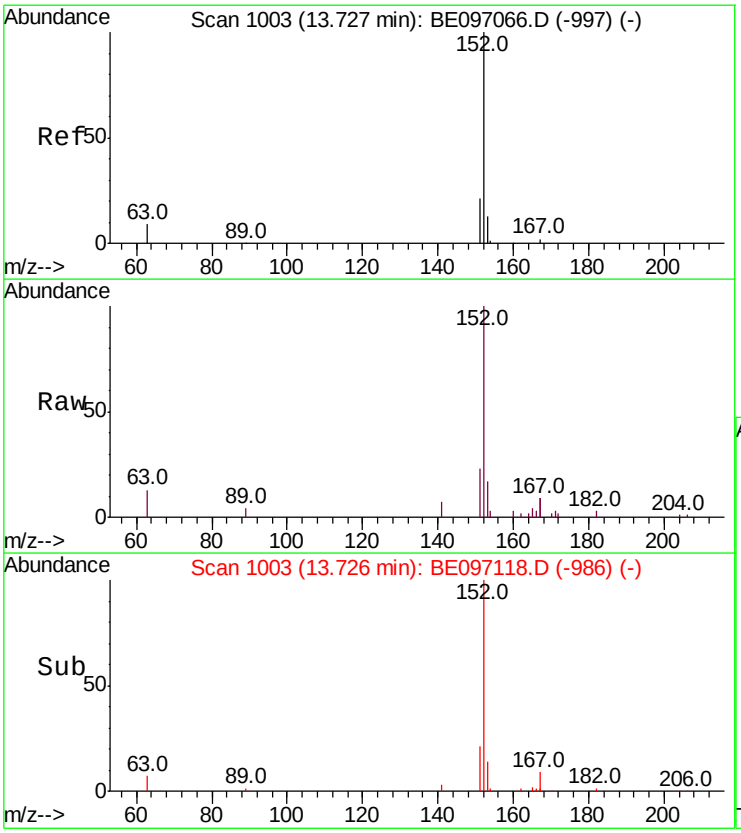
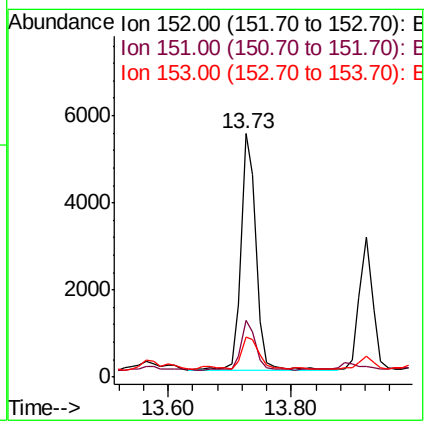
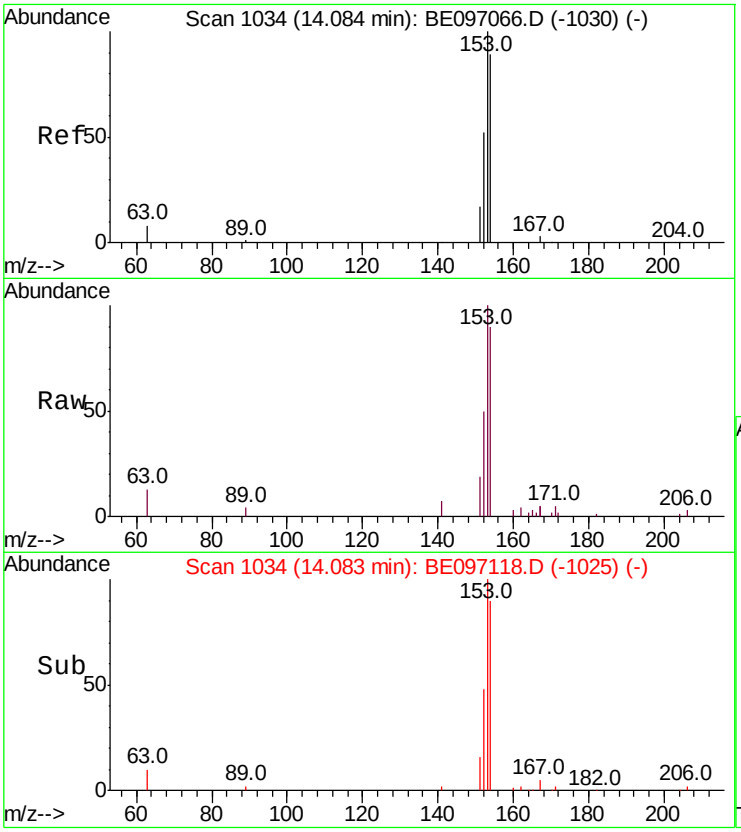


#16
Acenaphthylene
Concen: 0.443 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:152 Resp: 9301

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.7	23.5
153	15.6	10.5	15.7

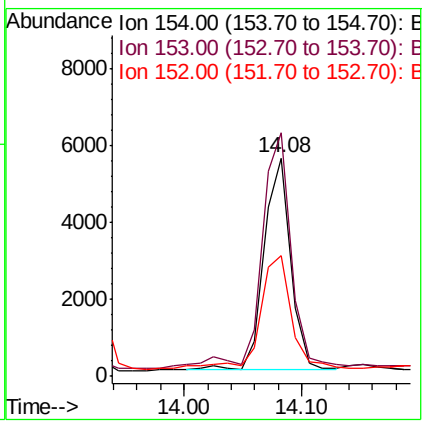




#17
Acenaphthene
Concen: 0.713 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:154 Resp: 8693

Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.2	133.8
152	60.2	42.0	63.0



Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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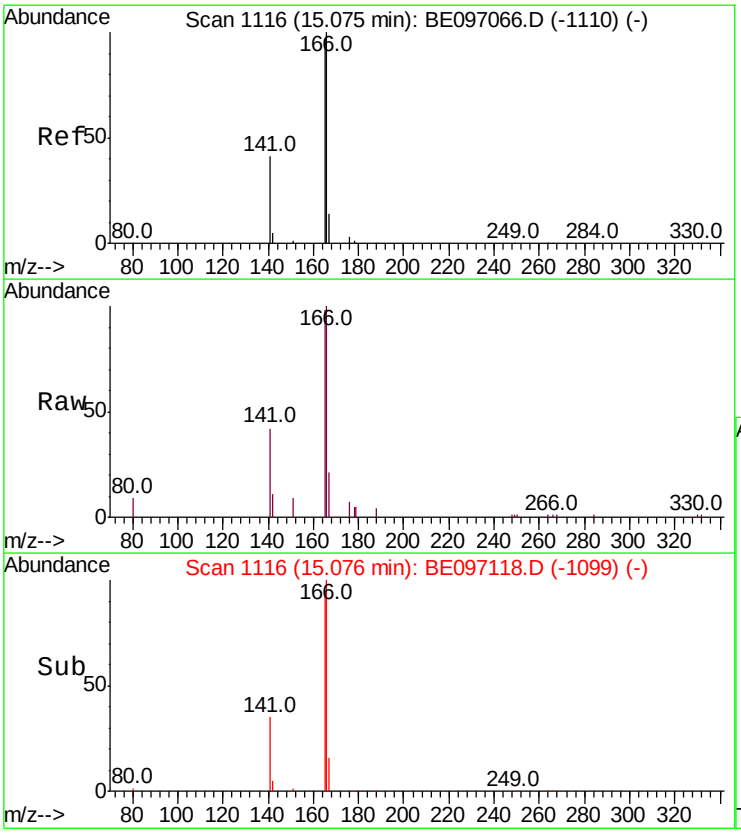
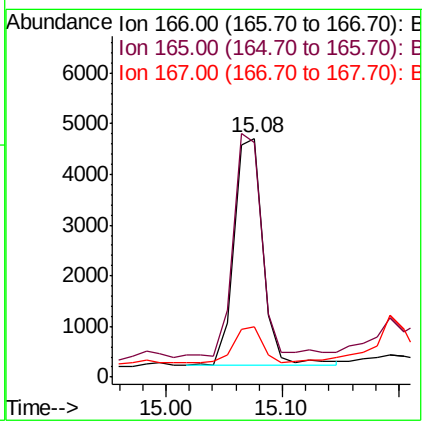
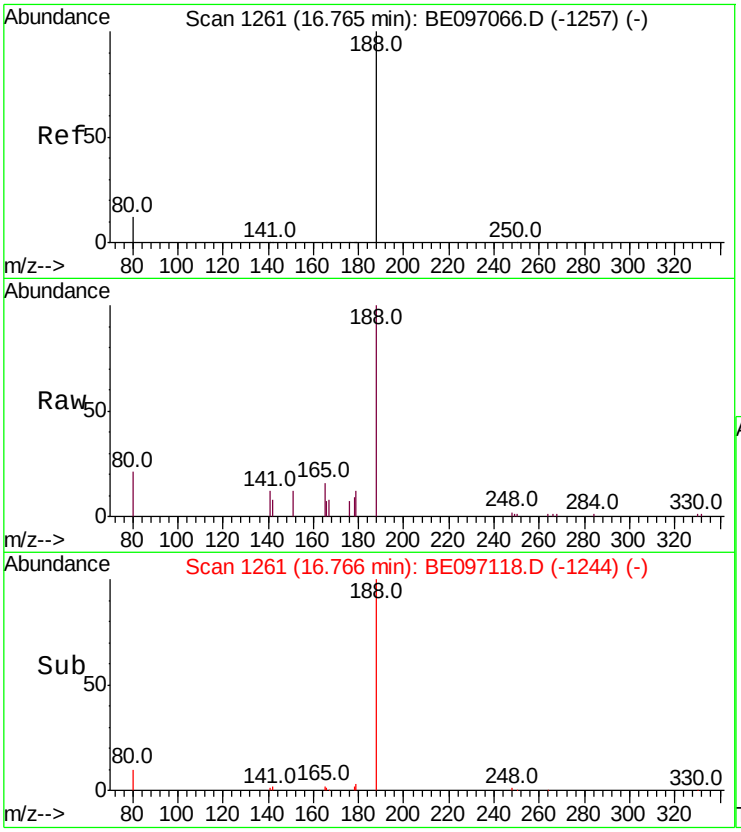


#18
Fluorene
Concen: 0.479 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:166 Resp: 7724

Ion	Ratio	Lower	Upper
166	100		
165	95.1	77.8	116.6
167	15.3	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:188 Resp: 12781

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	21.4	3.6	5.4#

Instrument :
BNA_E
ClientSampleId :
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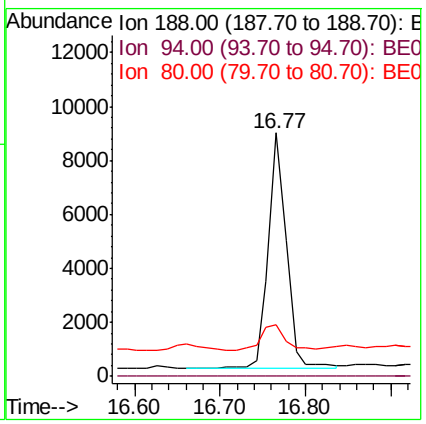
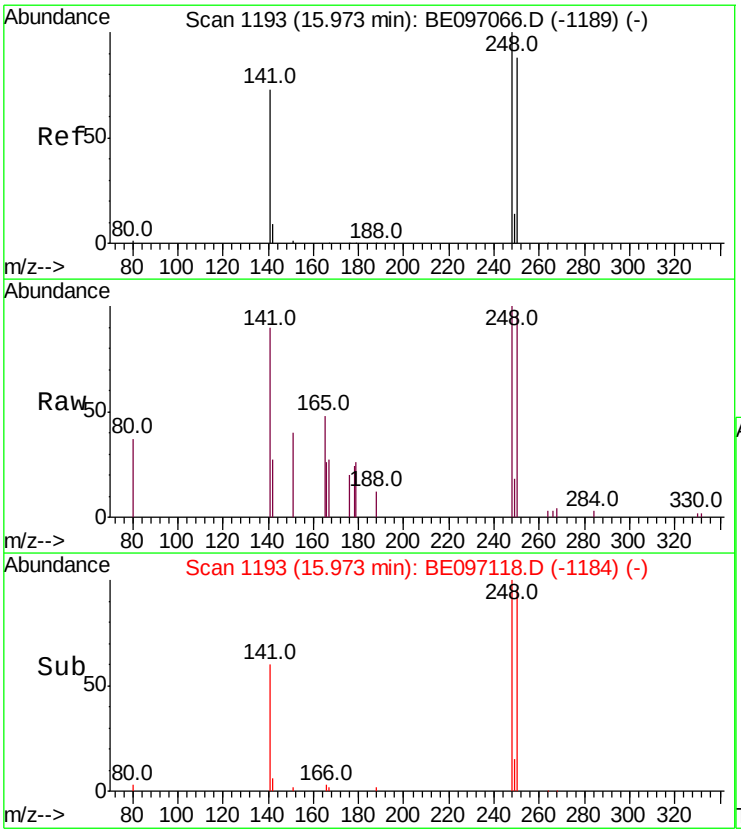
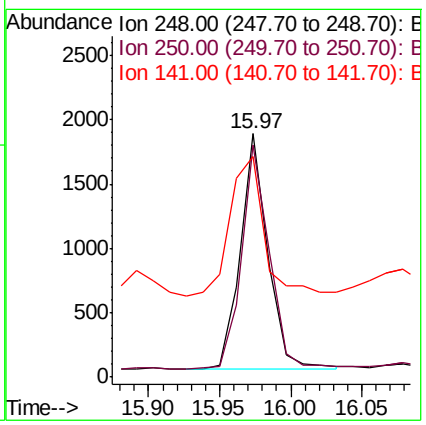


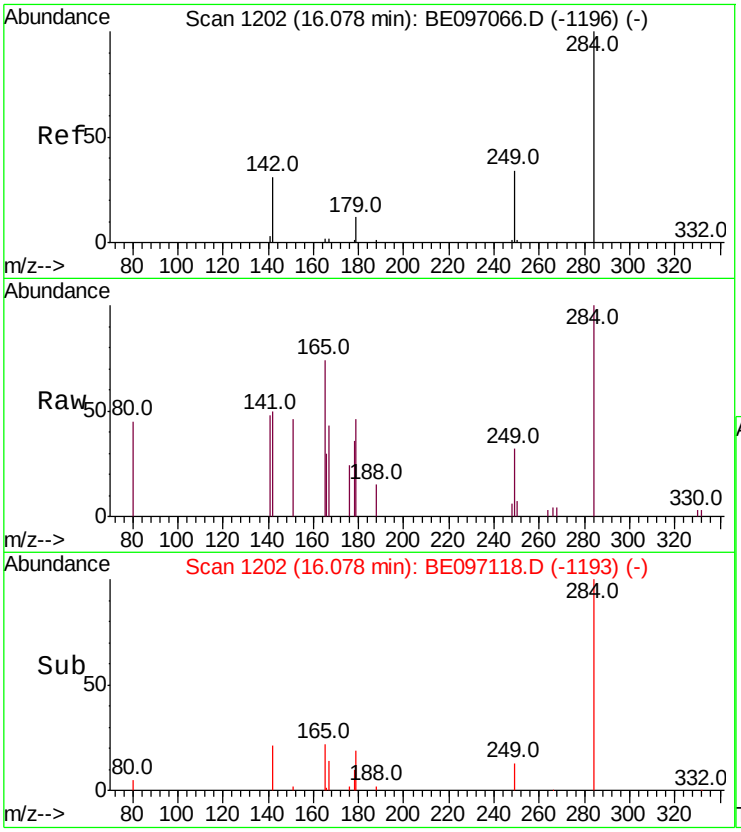


#20
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:248 Resp: 2454

Ion	Ratio	Lower	Upper
248	100		
250	95.3	62.7	94.1#
141	90.4	48.2	72.2#





#21
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:284 Resp: 2264

Ion	Ratio	Lower	Upper
284	100		
142	57.1	22.1	33.1#
249	30.7	34.8	52.2#

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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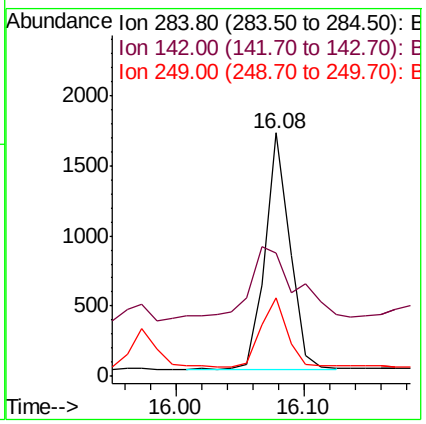
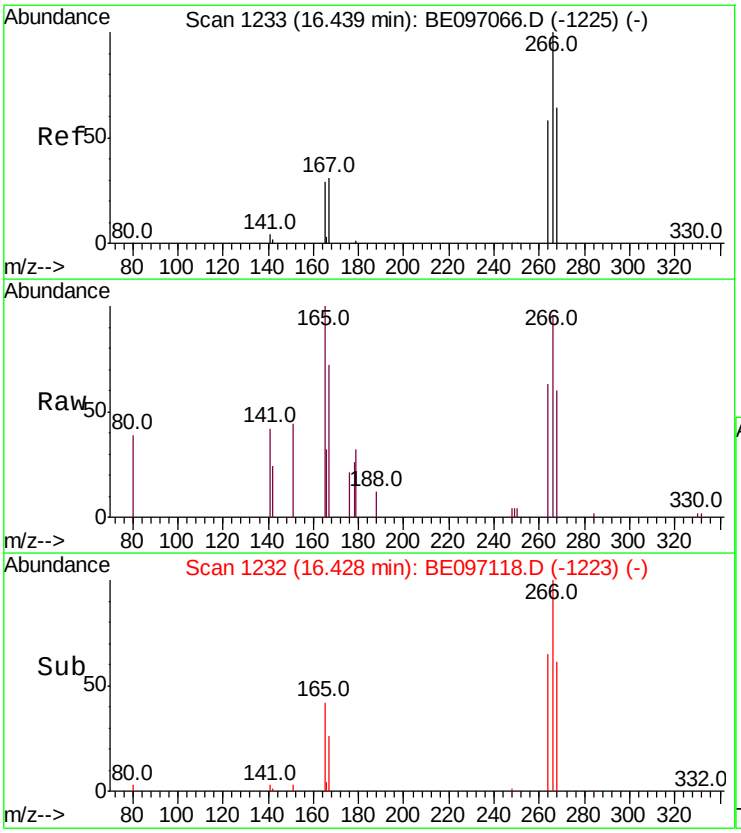
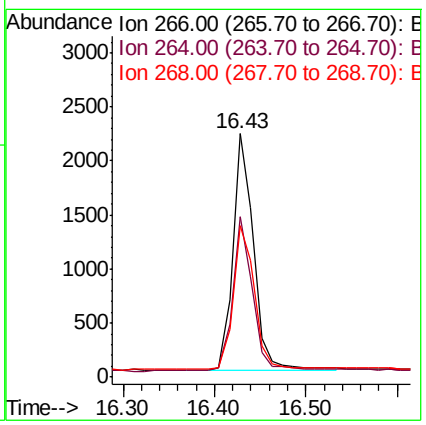


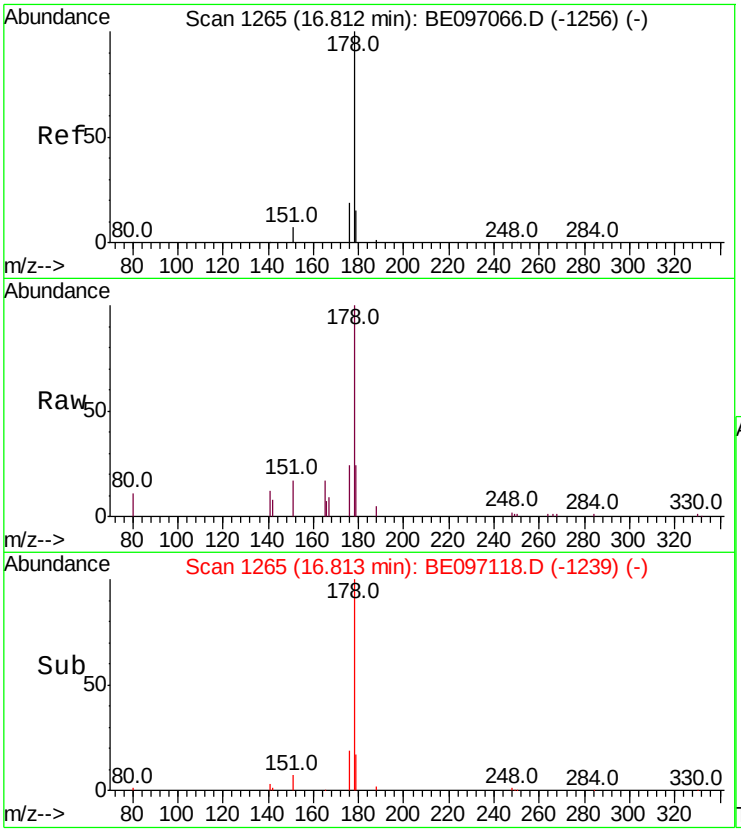


#22
Pentachlorophenol
Concen: 1.630 ng
RT: 16.43 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:266 Resp: 3445

Ion	Ratio	Lower	Upper
266	100		
264	65.9	72.5	108.7#
268	62.4	73.8	110.6#





#23
Phenanthrene
Concen: 0.513 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:178 Resp: 15613

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	23.3	11.8	17.6#

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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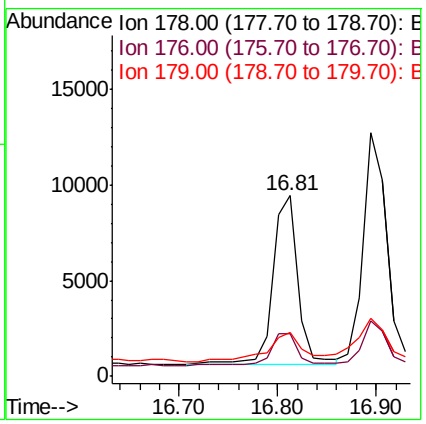
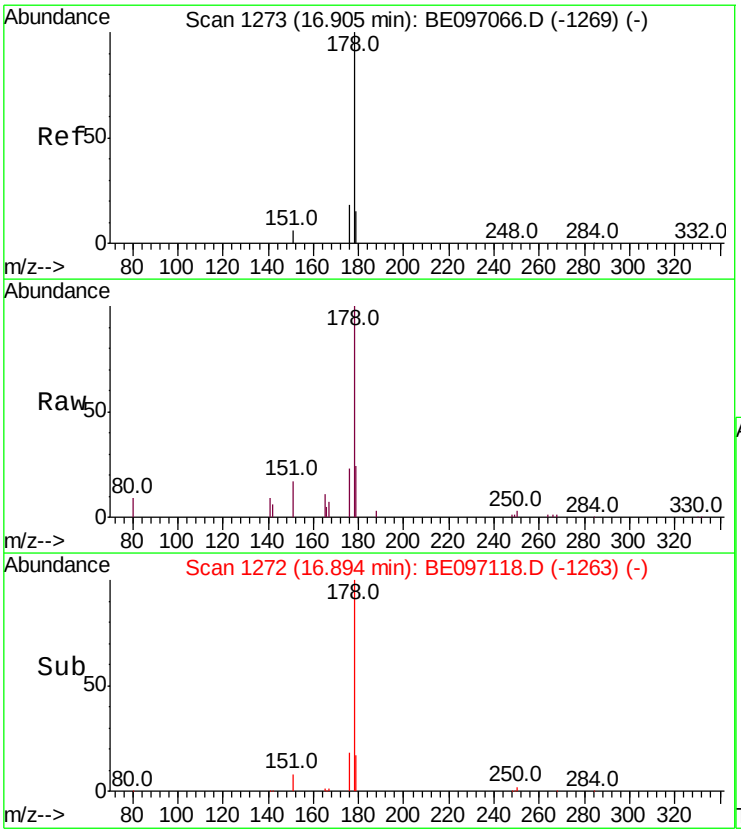
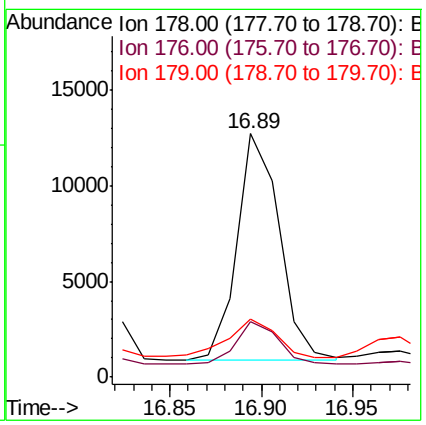


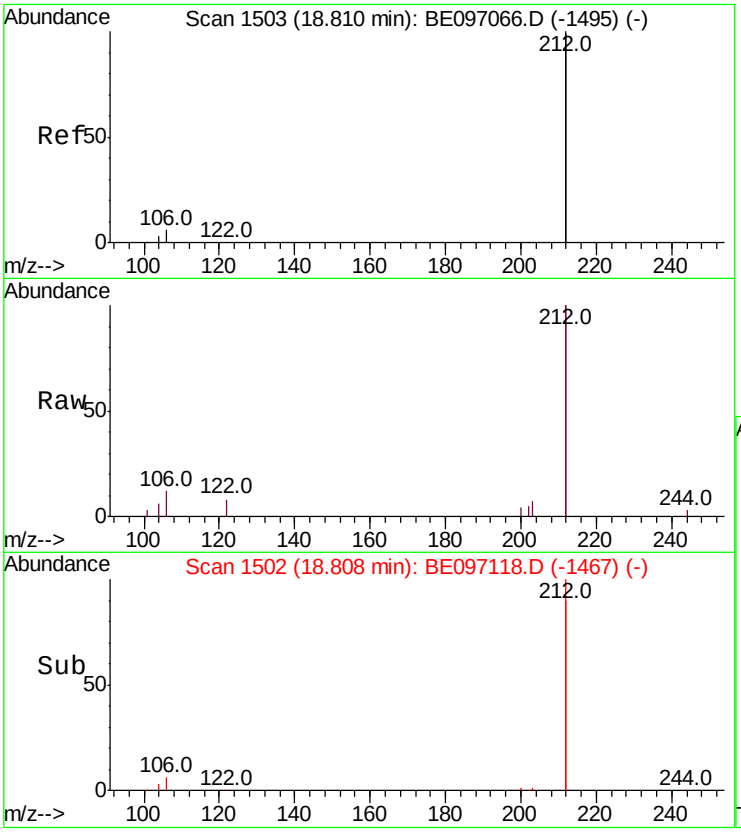


#24
Anthracene
Concen: 0.698 ng
RT: 16.89 min Scan# 1272
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:178 Resp: 19010

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	20.1	13.0	19.6#

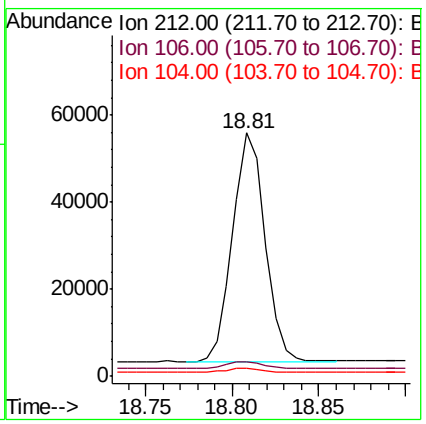




#25
Fluoranthene-d10
Concen: 0.543 ng
RT: 18.81 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:212 Resp: 69466

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.1	1.6	2.4



Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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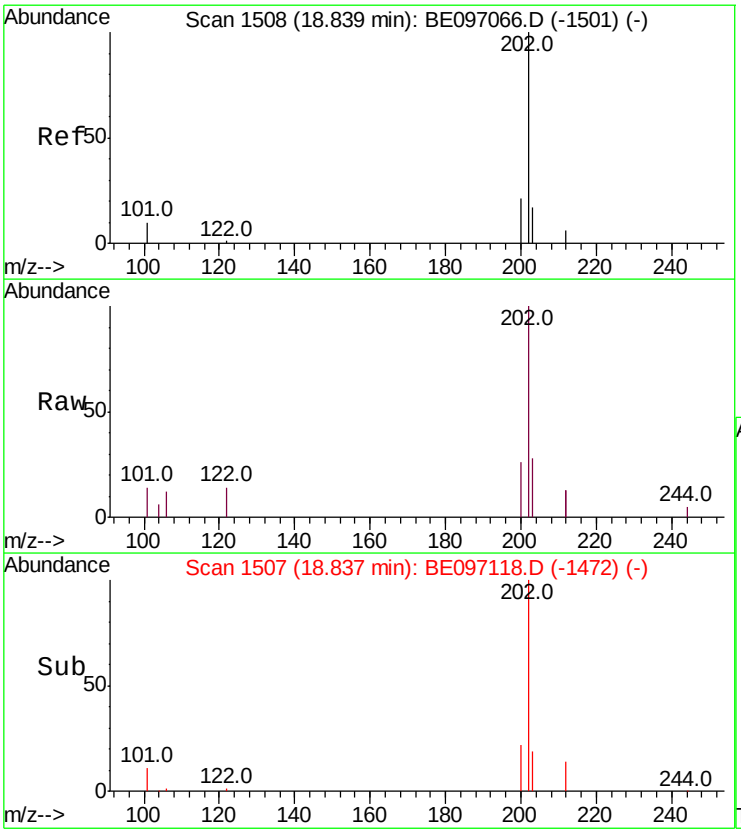
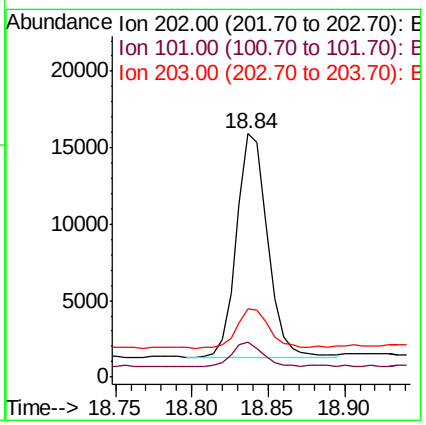
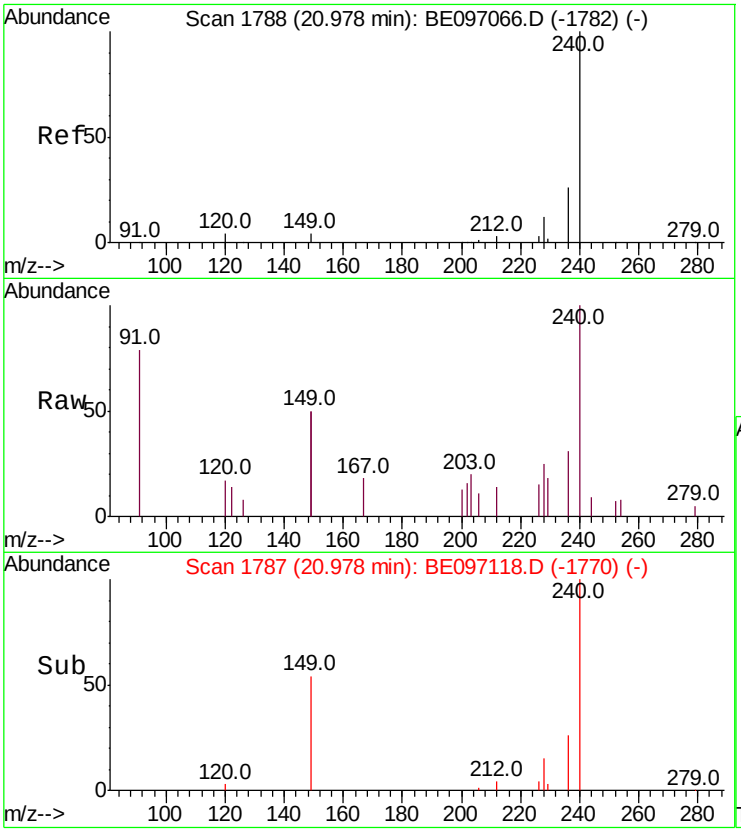


#26
Fluoranthene
Concen: 0.604 ng
RT: 18.84 min Scan# 1507
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:202 Resp: 20652

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.8	14.8
203	18.5	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:240 Resp: 14920

Ion	Ratio	Lower	Upper
240	100		
120	17.1	5.5	8.3#
236	31.0	20.7	31.1

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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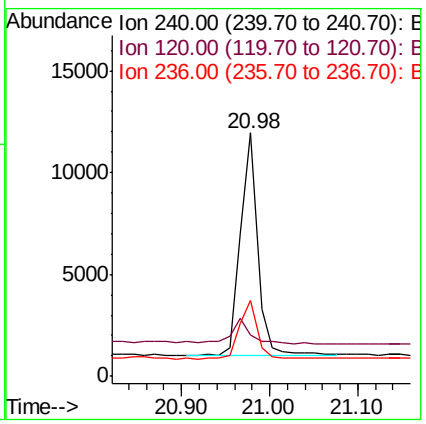
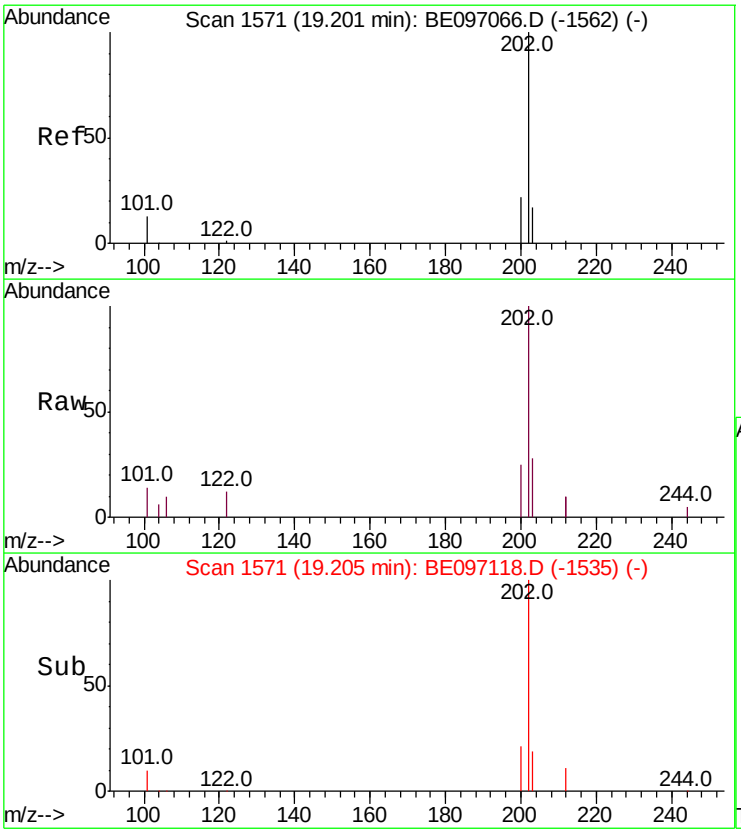
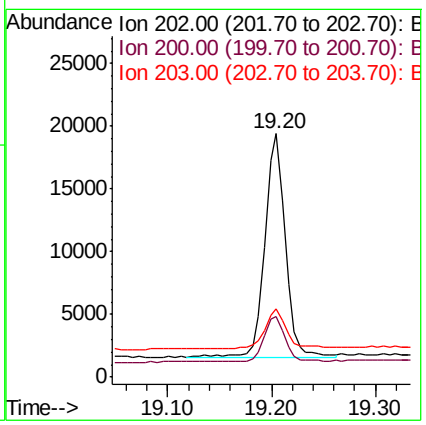


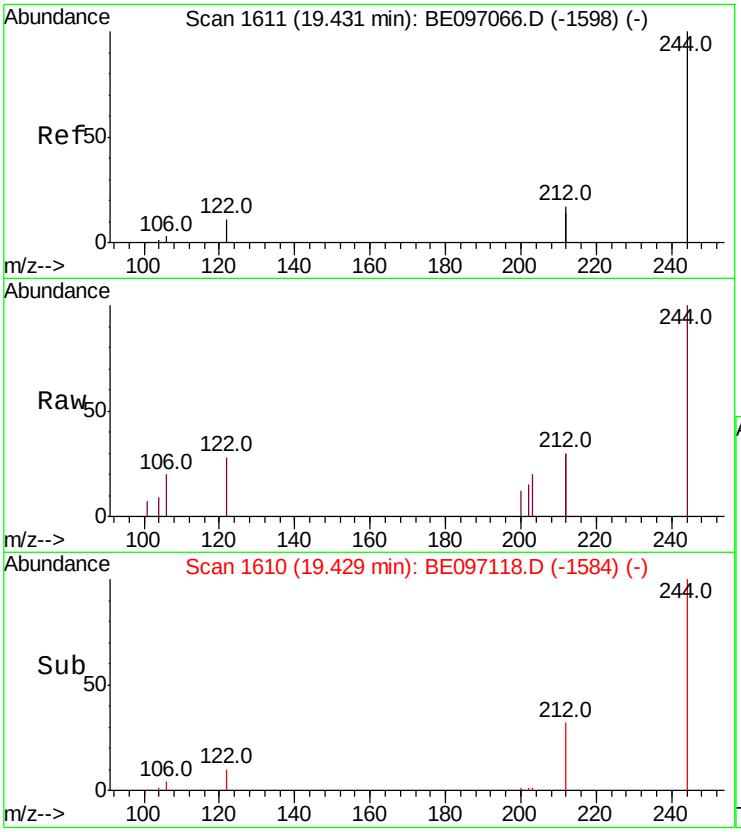


#28
Pyrene
Concen: 0.592 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:202 Resp: 24236

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	19.0	13.8	20.8





#29
Terphenyl-d14
Concen: 0.525 ng
RT: 19.43 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:244 Resp: 15047

Ion	Ratio	Lower	Upper
244	100		
212	59.5	25.4	38.0#
122	28.0	8.1	12.1#

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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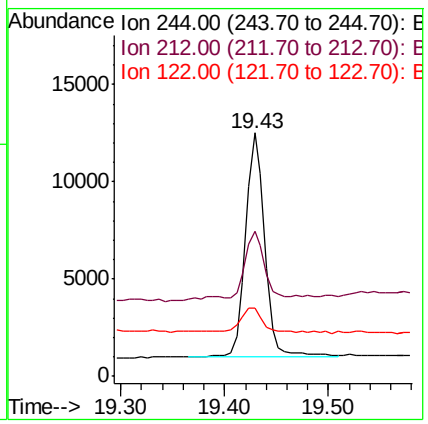
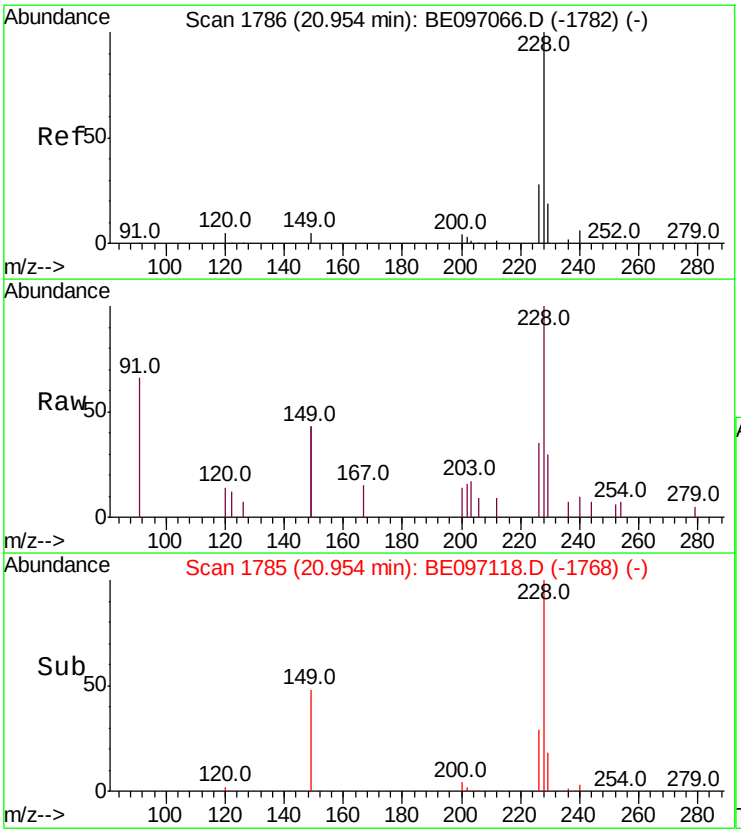
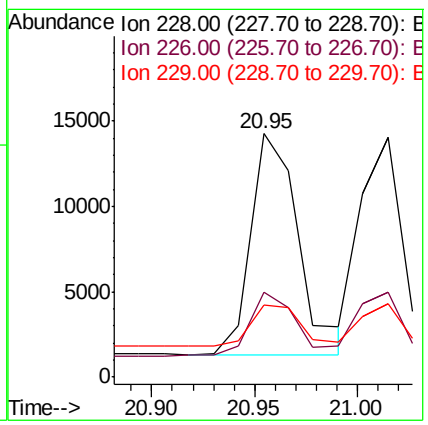


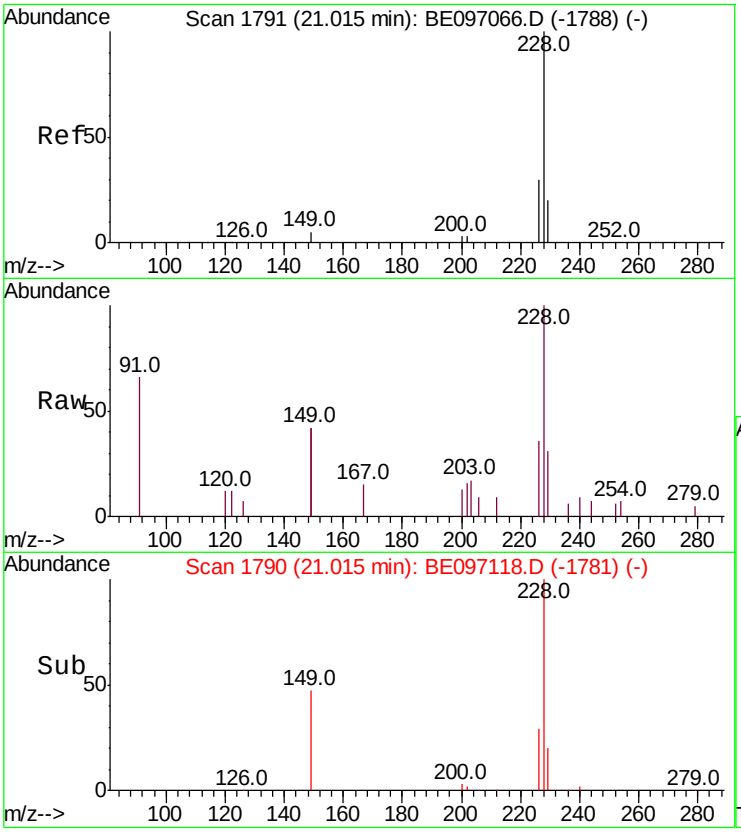


#30
Benzo(a)anthracene
Concen: 0.562 ng
RT: 20.95 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:228 Resp: 20866

Ion	Ratio	Lower	Upper
228	100		
226	35.1	24.0	36.0
229	29.8	16.0	24.0#





#31
Chrysene
Concen: 0.461 ng
RT: 21.01 min Scan# 1790
Delta R.T. 0.01 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:228 Resp: 18353

Ion	Ratio	Lower	Upper
228	100		
226	35.6	24.0	36.0
229	30.8	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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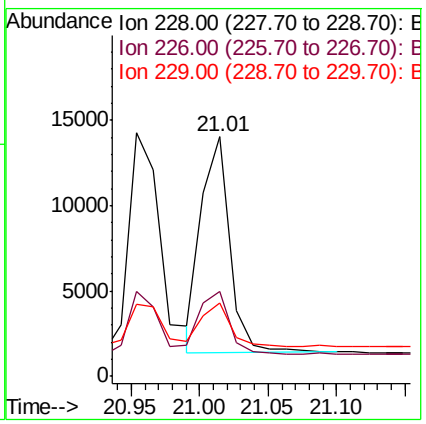
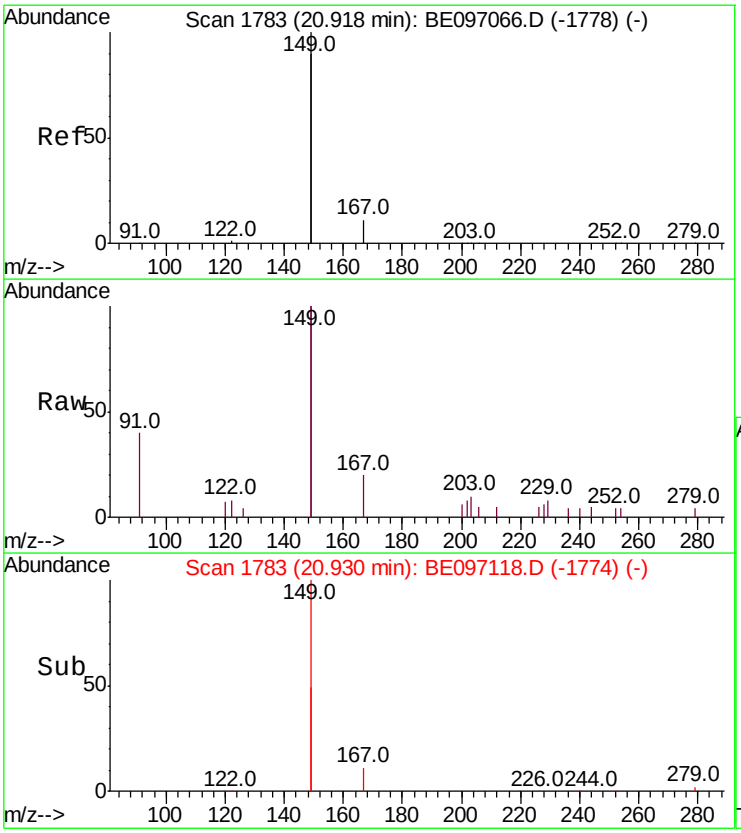
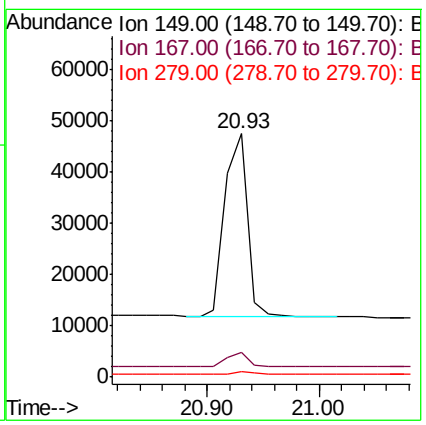


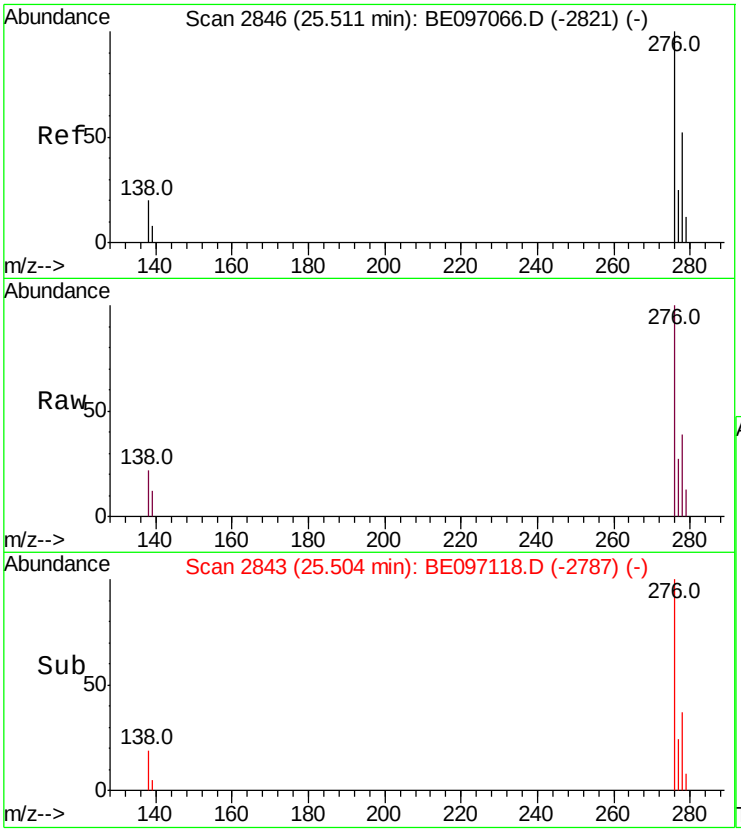


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.144 ng
RT: 20.93 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:149 Resp: 50147

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	1.1	0.7	1.1#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.546 ng
RT: 25.50 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:276 Resp: 19680

Ion	Ratio	Lower	Upper
276	100		
138	20.7	22.5	33.7#
277	24.3	19.9	29.9

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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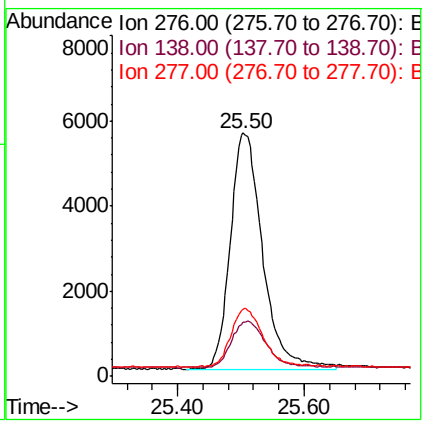
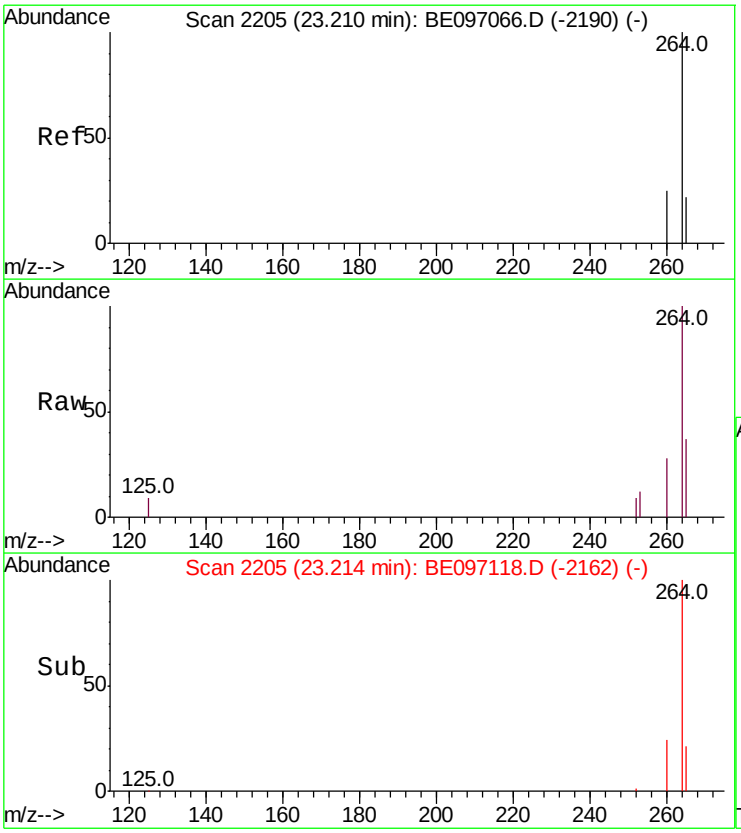
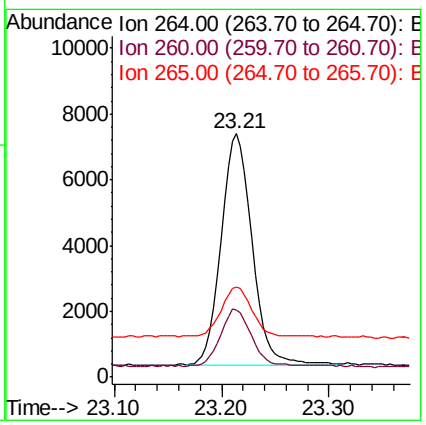


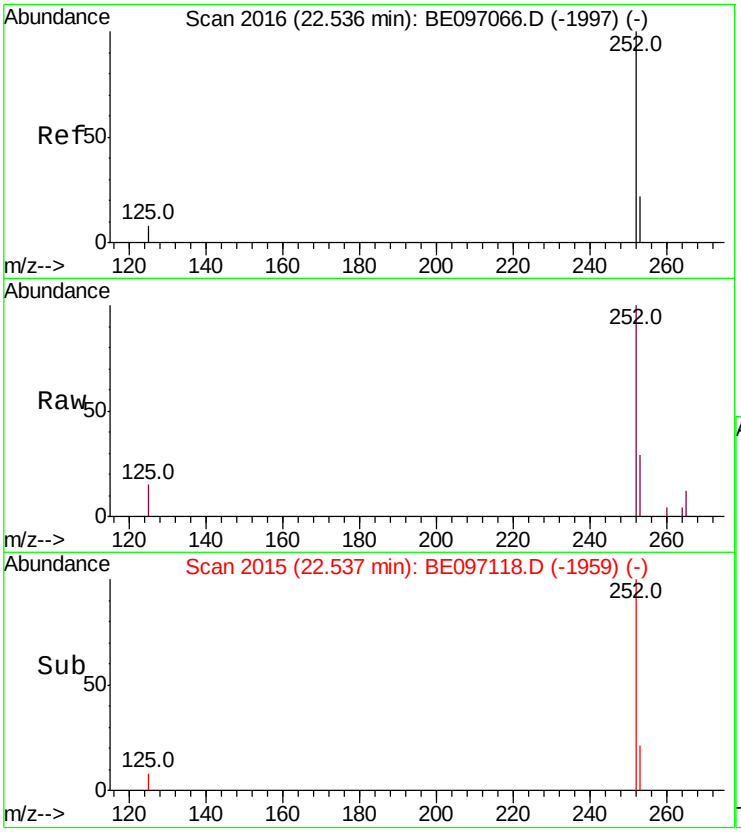


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:264 Resp: 14056

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.5	30.7
265	36.8	22.8	34.2#





#35
Benzo(b)fluoranthene
Concen: 0.511 ng m
RT: 22.54 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:252 Resp: 18239

Ion	Ratio	Lower	Upper
252	100		
253	28.9	20.0	30.0
125	15.1	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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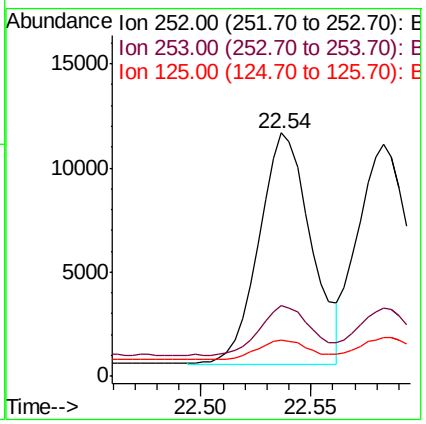
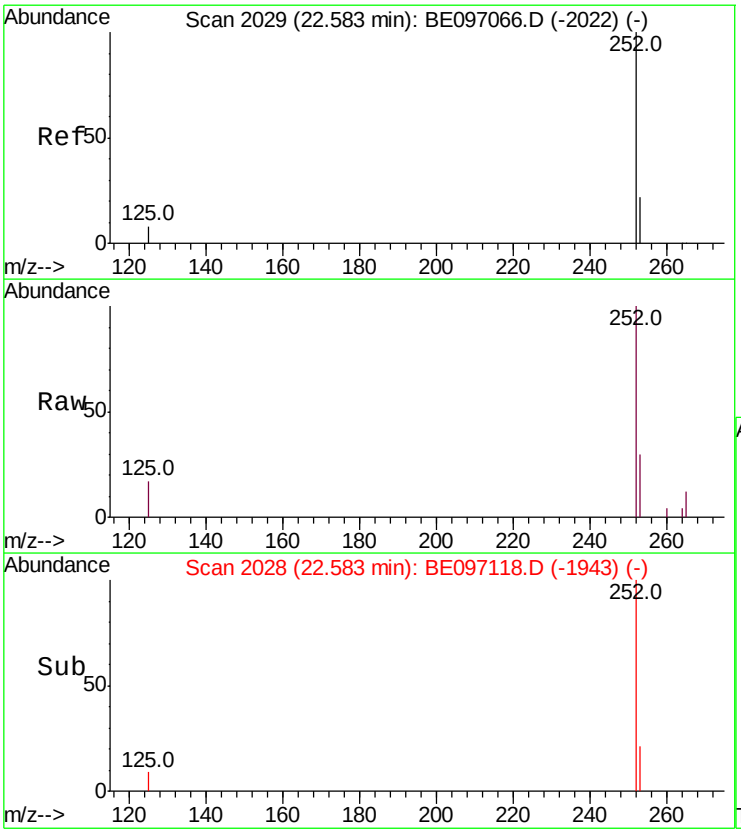
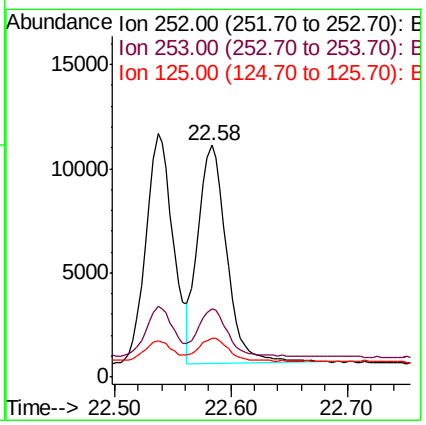


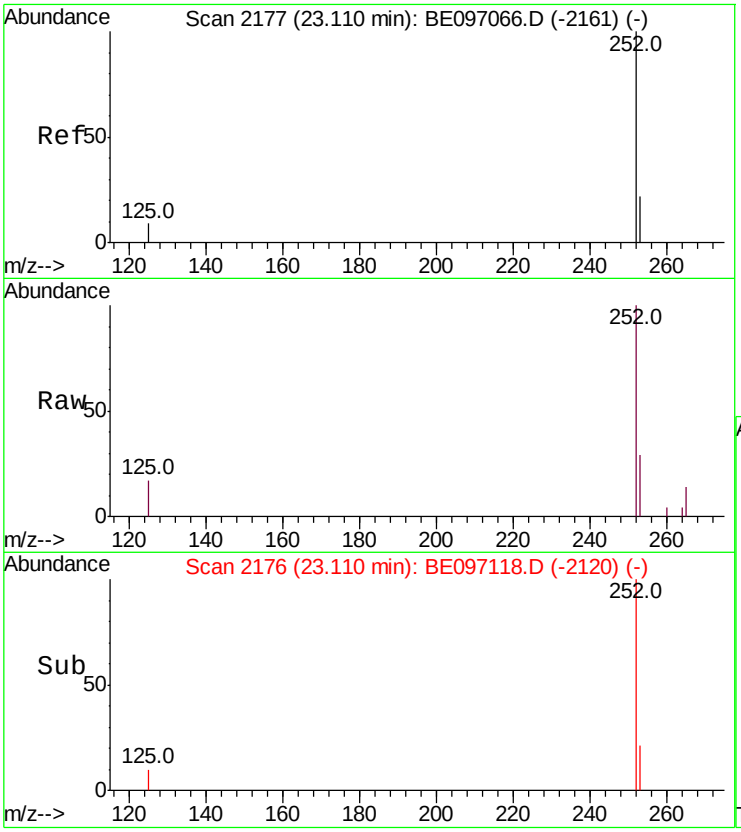


#36
Benzo(k)fluoranthene
Concen: 0.433 ng
RT: 22.58 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:252 Resp: 18013

Ion	Ratio	Lower	Upper
252	100		
253	29.5	16.0	24.0#
125	16.7	8.0	12.0#





#37
Benzo(a)pyrene
Concen: 0.498 ng
RT: 23.11 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:252 Resp: 16692

Ion	Ratio	Lower	Upper
252	100		
253	29.4	16.0	24.0#
125	16.9	12.0	18.0

Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

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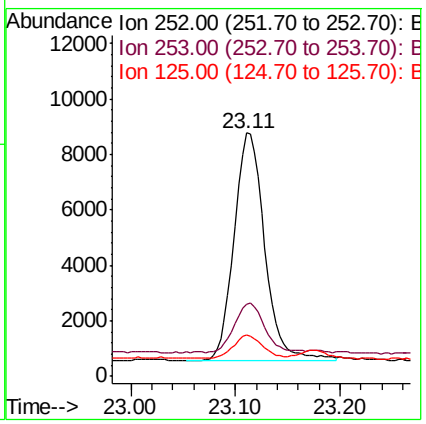
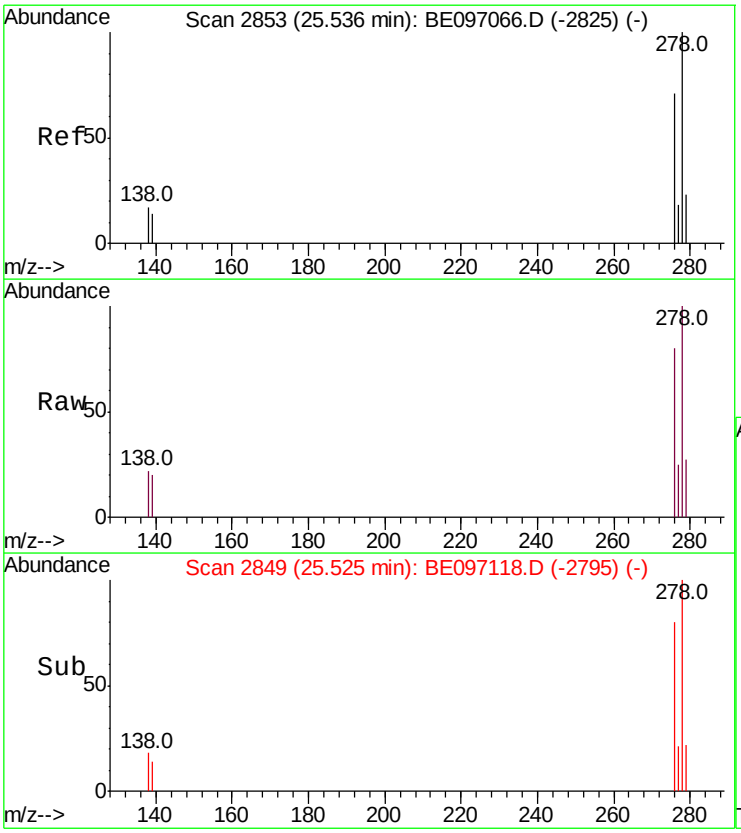
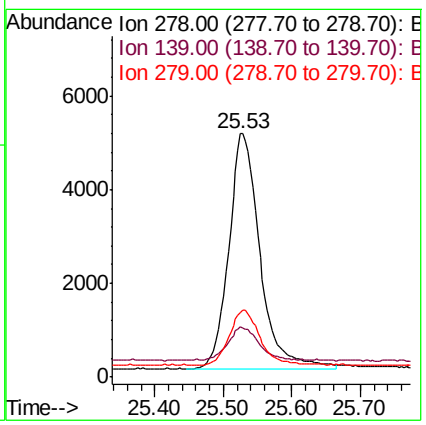


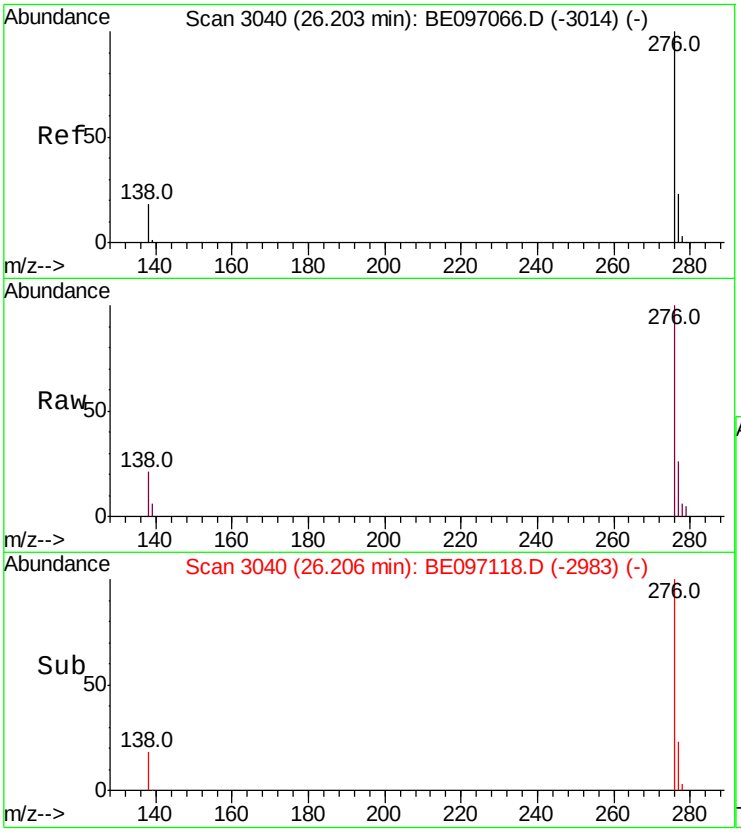


#38
Dibenzo(a,h)anthracene
Concen: 0.476 ng
RT: 25.53 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:278 Resp: 15938

Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.0	24.0
279	26.7	20.0	30.0

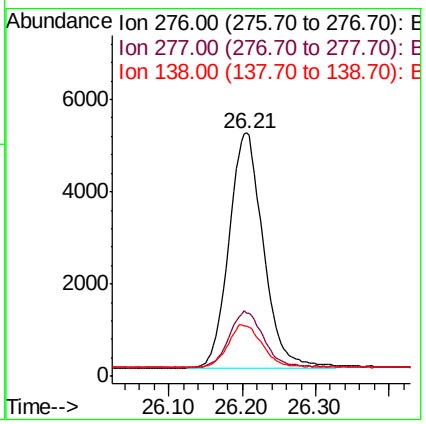




#39
Benzo(g,h,i)perylene
Concen: 0.469 ng
RT: 26.21 min Scan# 3040
Delta R.T. 0.00 min
Lab File: BE097118.D
Acq: 31 Jul 2018 12:23

Tgt Ion:276 Resp: 16687

Ion	Ratio	Lower	Upper
276	100		
277	26.0	16.0	24.0#
138	20.8	20.0	30.0



Instrument :
BNA_E
ClientSampleId :
LW-03-072618MSD

Manual Integrations APPROVED
Sohil
8/1/2018 4:50:03 PM