Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122118\
Data File : BE098552.D
Acq On : 21 Dec 2018 13:29
Operator : SJ/JU
Sample : J6398-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

Manual Integrations APPROVED
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12/26/2018 3:24:33 PM

Quant Time: Dec 21 15:53:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	468	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	2189	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	1771	0.40	ng		-0.01
19) Phenanthrene-d10	17.26	188	5909	0.40	ng		-0.02
27) Chrysene-d12	21.45	240	9728	0.40	ng		-0.01
34) Perylene-d12	23.99	264	8129	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.44	112	269	0.25	ng		0.00
5) Phenol-d6	7.03	99	237	0.15	ng		-0.01
8) Nitrobenzene-d5	9.03	82	612	0.31	ng		0.01
11) 2-Methylnaphthalene-d10	12.25	152	1505m	0.42	ng		-0.01
14) 2,4,6-Tribromophenol	16.01	330	415	0.64	ng		-0.01
15) 2-Fluorobiphenyl	13.13	172	2622	0.35	ng		-0.01
25) Fluoranthene-d10	19.30	212	35803	0.47	ng		-0.01
29) Terphenyl-d14	19.89	244	7651	0.32	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	108	0.133	ng	#	26
3) n-Nitrosodimethylamine	3.68	42	87	0.119	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	500	0.339	ng		94
9) Naphthalene	10.69	128	8831	0.401	ng	#	97
10) Hexachlorobutadiene	10.98	225	473	0.337	ng		98
12) 2-Methylnaphthalene	12.32	142	1587	0.443	ng		94
16) Acenaphthylene	14.24	152	2903	0.350	ng		98
17) Acenaphthene	14.57	154	1858	0.373	ng		98
18) Fluorene	15.56	166	2908	0.436	ng		98
20) 4-Bromophenyl-phenylether	16.45	248	1053	0.331	ng		90
21) Hexachlorobenzene	16.57	284	1173	0.343	ng		96
22) Pentachlorophenol	16.92	266	863	1.231	ng		94
23) Phenanthrene	17.30	178	6082	0.424	ng		99
24) Anthracene	17.40	178	5394	0.421	ng		99
26) Fluoranthene	19.33	202	10094	0.531	ng		99
28) Pyrene	19.69	202	10618	0.348	ng		98
30) Benzo(a)anthracene	21.43	228	11467	0.414	ng		97
31) Chrysene	21.49	228	11128	0.383	ng		98
32) Bis(2-ethylhexyl)phthalate	21.35	149	32903	0.585	ng		99
33) Indeno(1,2,3-cd)pyrene	26.67	276	8933	0.309	ng	#	90
35) Benzo(b)fluoranthene	23.21	252	10080m	0.453	ng		
36) Benzo(k)fluoranthene	23.26	252	10764	0.416	ng		98
37) Benzo(a)pyrene	23.87	252	9423	0.411	ng		98
38) Dibenzo(a,h)anthracene	26.69	278	7325	0.339	ng		100
39) Benzo(g,h,i)perylene	27.49	276	7733	0.355	ng		97

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

Quantitation Report (QT Reviewed)

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Acq On : 21 Dec 2018 13:29
Operator : SJ/JU
Sample : J6398-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 21 15:53:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

Manual Integrations APPROVED
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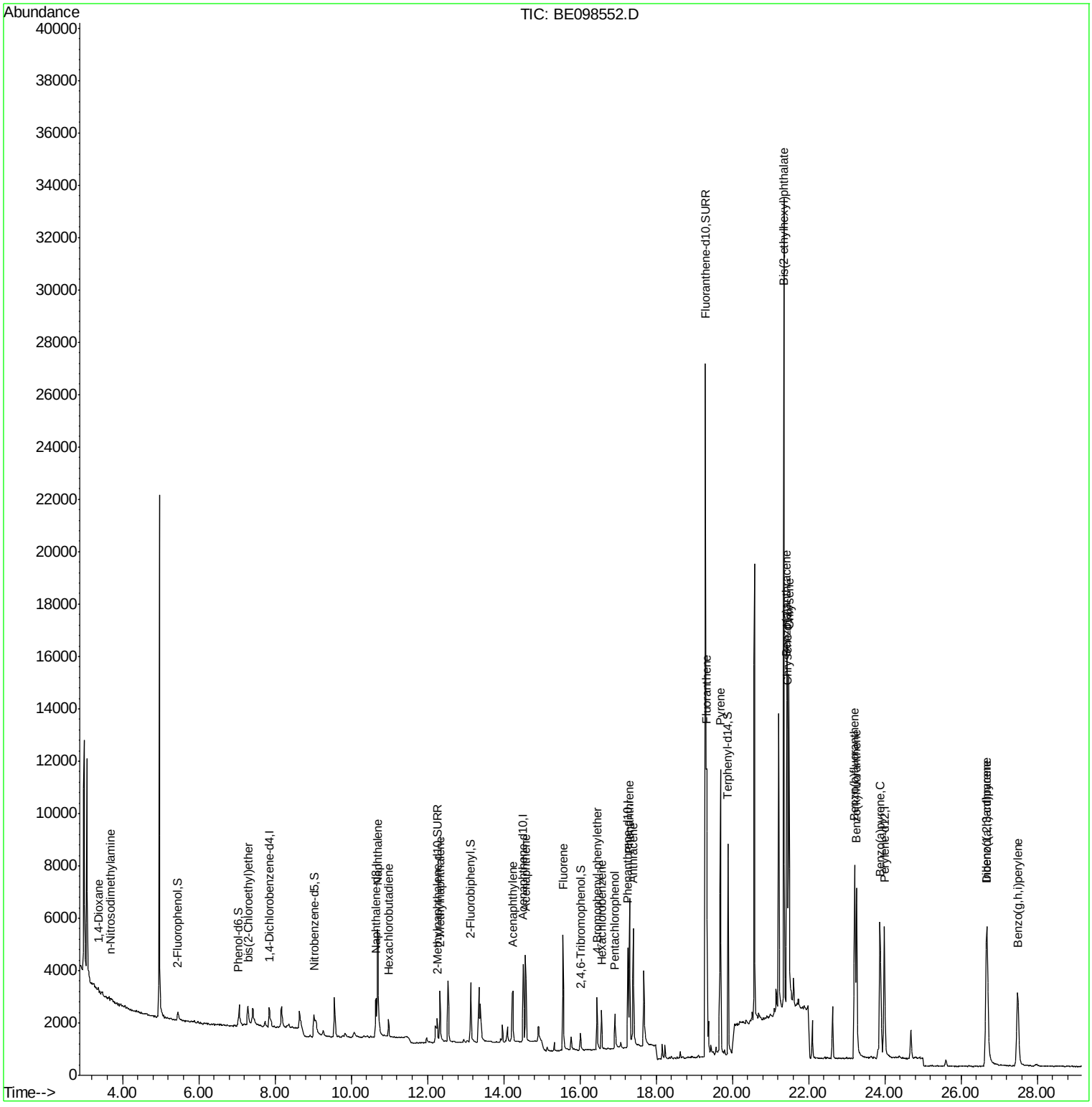
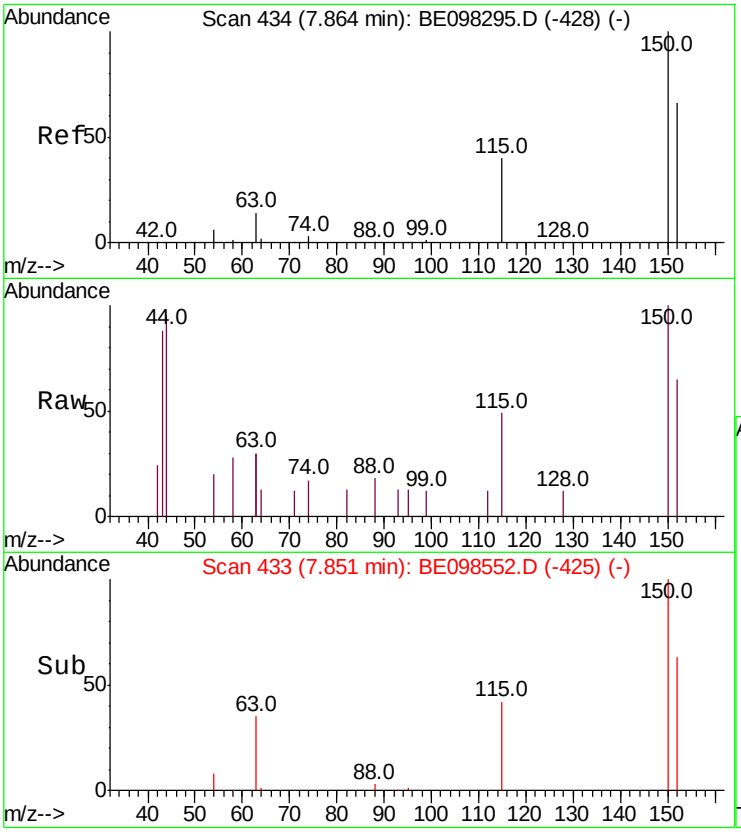
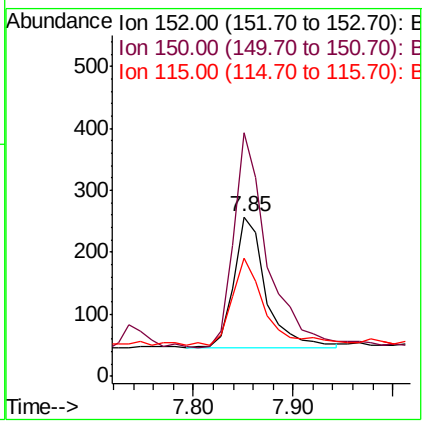




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:152 Resp: 468

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.2	186.4
115	74.3	53.9	80.9



Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

Manual Integrations APPROVED
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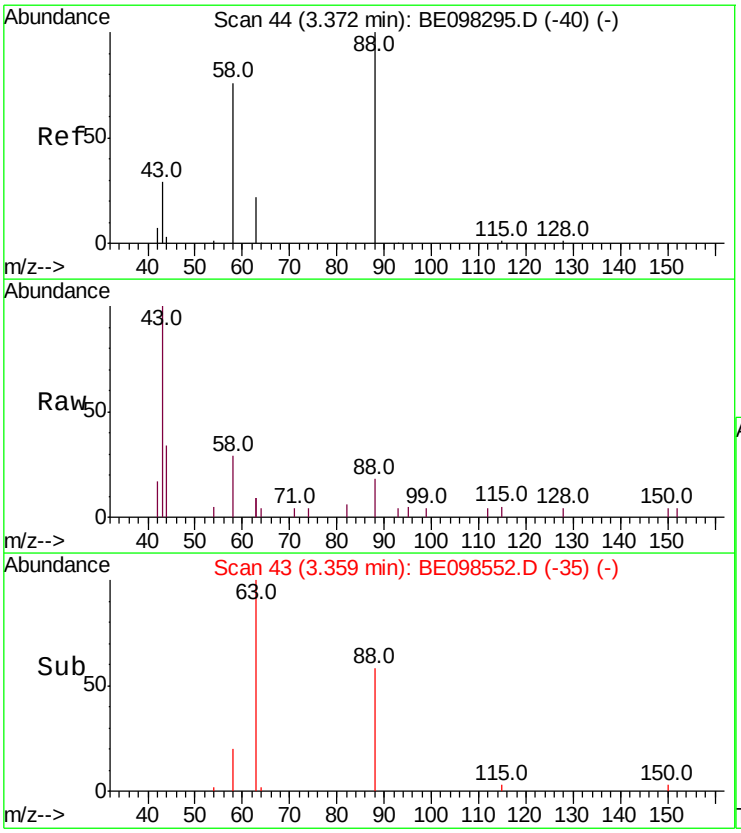
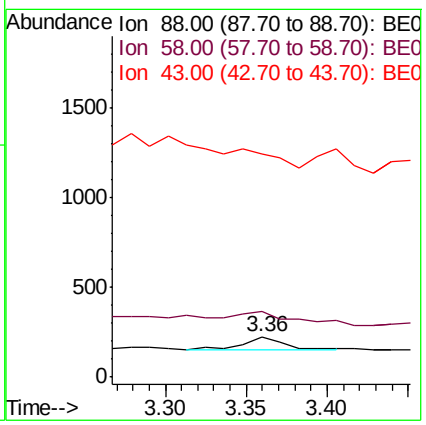
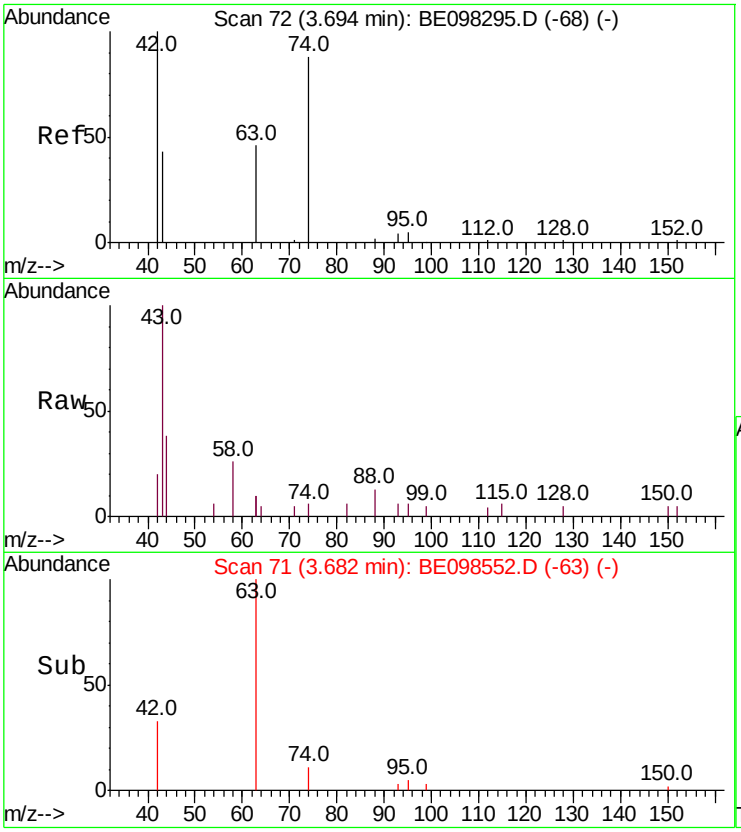


#2
1,4-Dioxane
Concen: 0.133 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 88 Resp: 108

Ion	Ratio	Lower	Upper
88	100		
58	166.7	75.0	112.6#
43	0.0	38.3	57.5#





#3
n-Nitrosodimethylamine
Concen: 0.119 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 42 Resp: 87

Ion	Ratio	Lower	Upper
42	100		
74	86.2	0.0	0.0#
44	0.0	0.0	0.0

Instrument :
BNA_E
ClientSampleId :
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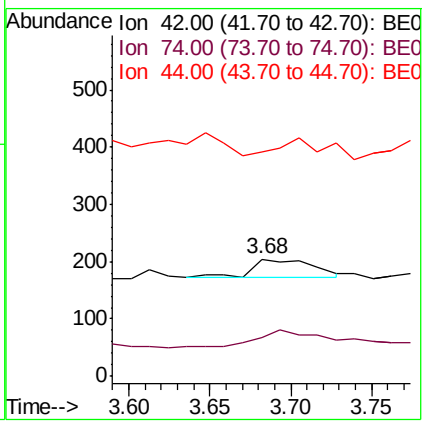
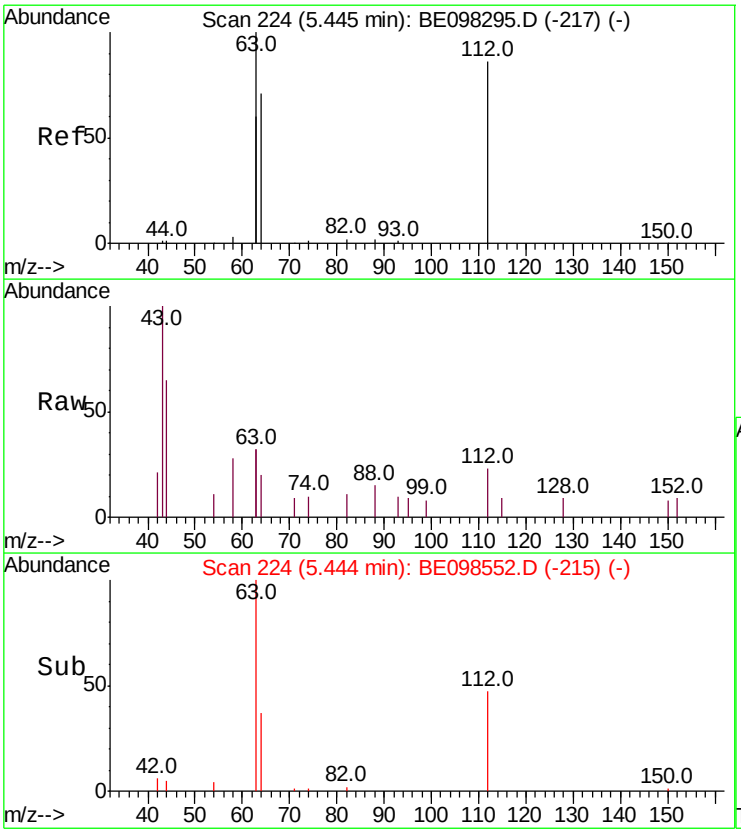
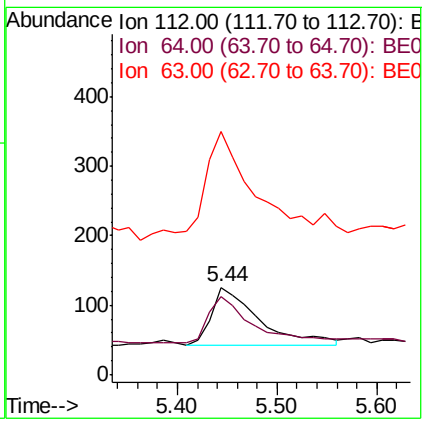


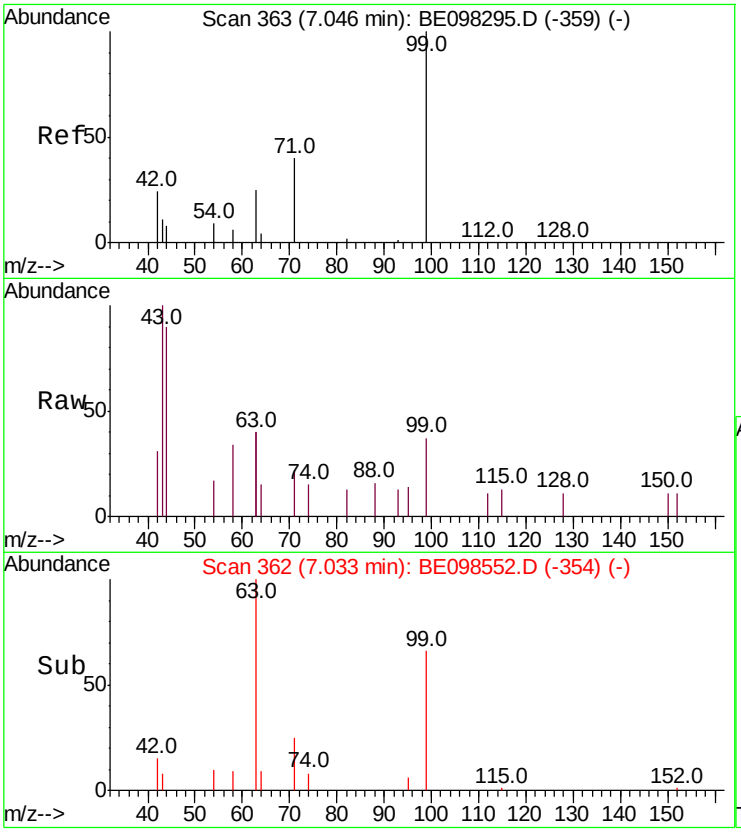


#4
2-Fluorophenol
Concen: 0.246 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:112 Resp: 269

Ion	Ratio	Lower	Upper
112	100		
64	85.1	59.8	89.8
63	223.0	133.7	200.5#





#5
Phenol-d6
Concen: 0.153 ng
RT: 7.03 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 99 Resp: 237

Ion	Ratio	Lower	Upper
99	100		
42	67.5	26.3	39.5#
71	49.4	33.6	50.4

Instrument :
BNA_E
ClientSampleId :
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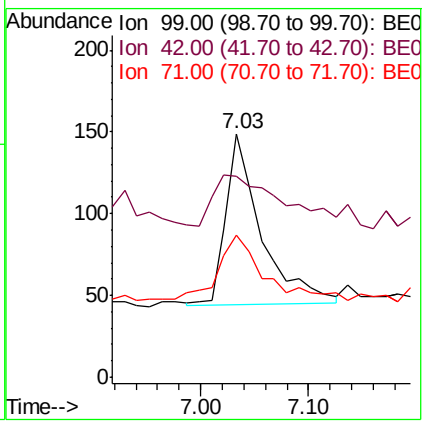
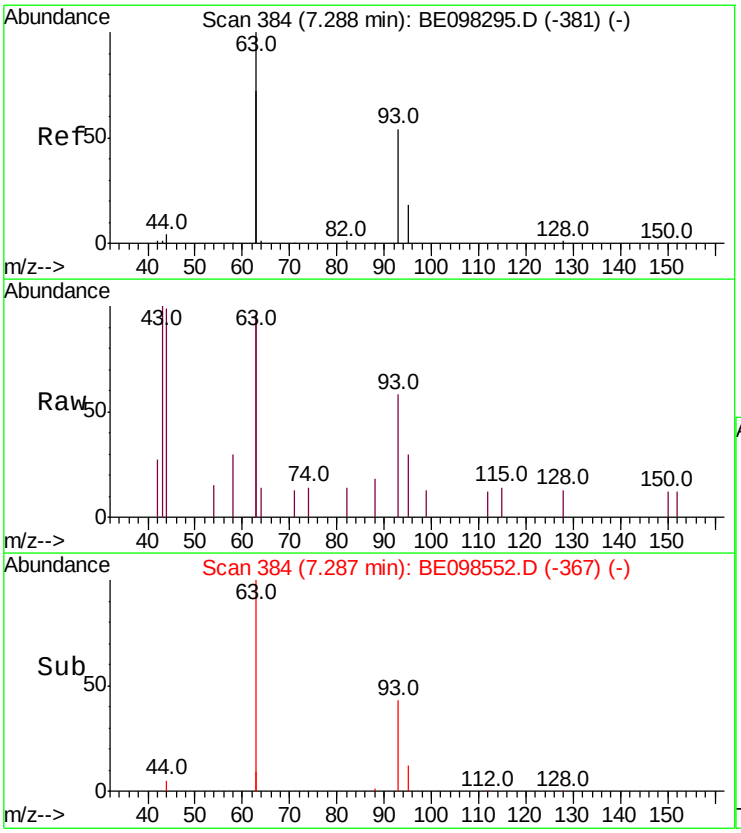
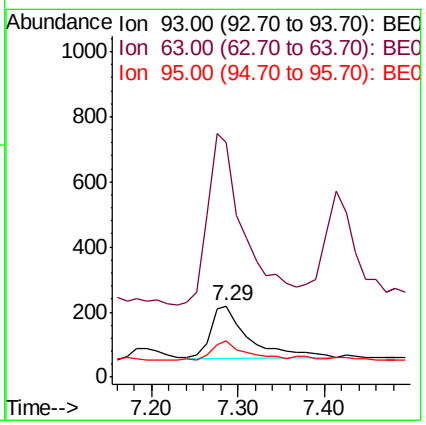


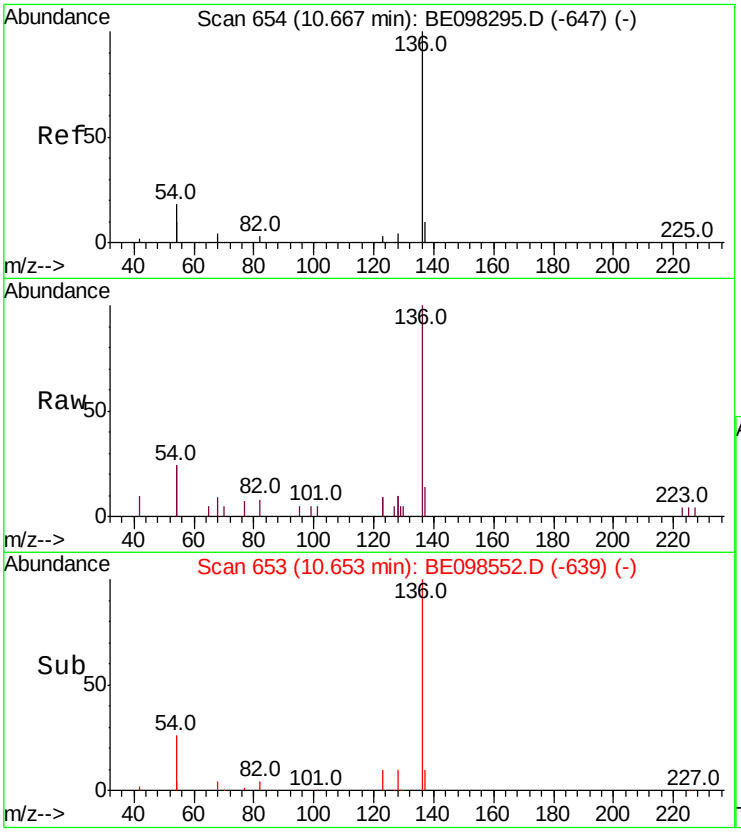


#6
bis(2-Chloroethyl)ether
Concen: 0.339 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 93 Resp: 500

Ion	Ratio	Lower	Upper
93	100		
63	317.0	264.4	396.6
95	33.4	26.6	40.0

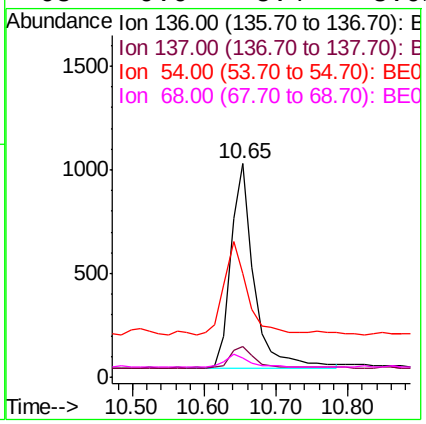




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:136 Resp: 2189

Ion	Ratio	Lower	Upper
136	100		
137	14.3	9.2	13.8#
54	48.7	28.4	42.6#
68	9.0	5.4	8.0#



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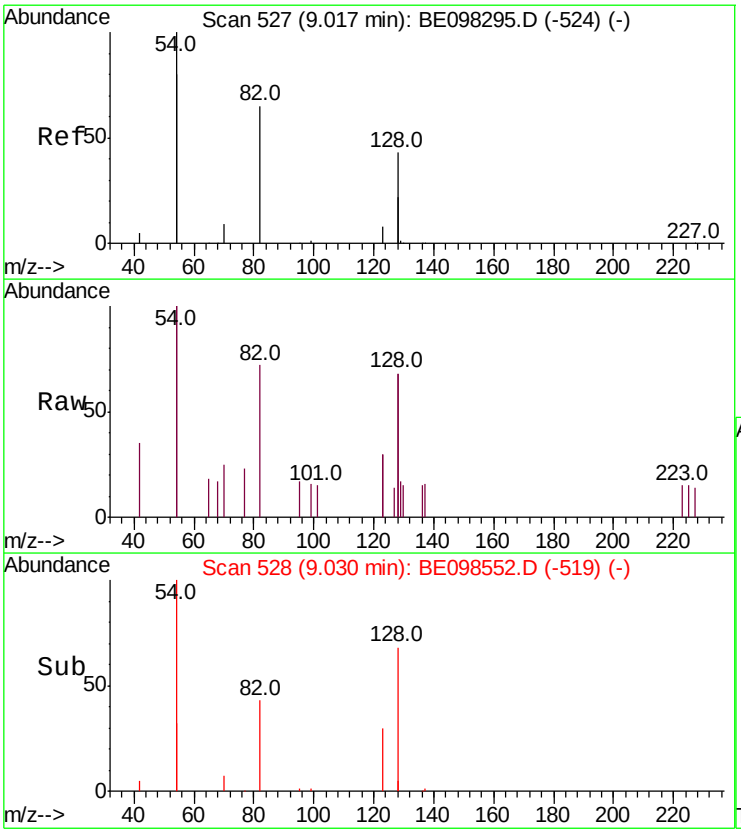
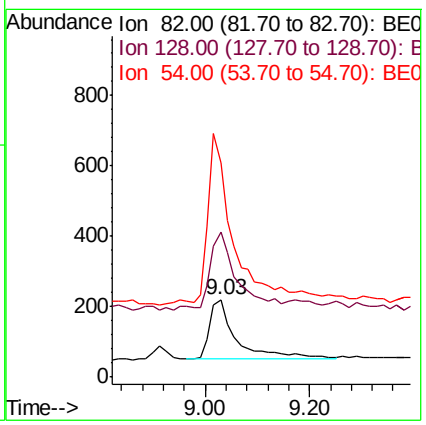
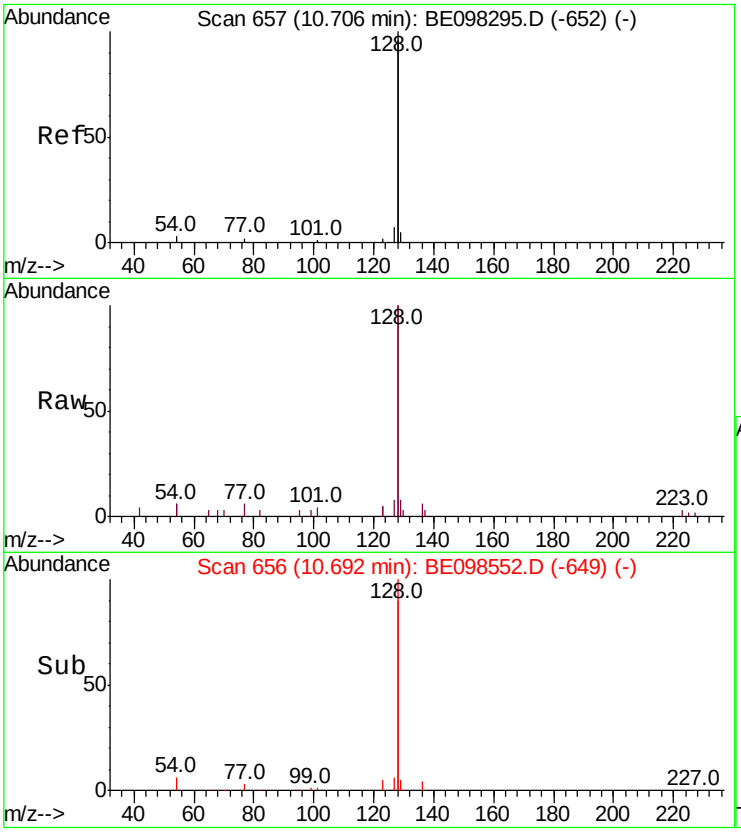


#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion: 82 Resp: 612

Ion	Ratio	Lower	Upper
82	100		
128	188.2	102.4	153.6#
54	277.3	221.8	332.8





#9
Naphthalene
Concen: 0.401 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:128 Resp: 8831

Ion	Ratio	Lower	Upper
128	100		
129	4.0	2.5	3.7#
127	4.2	2.7	4.1#

Instrument :
BNA_E
ClientSampleId :
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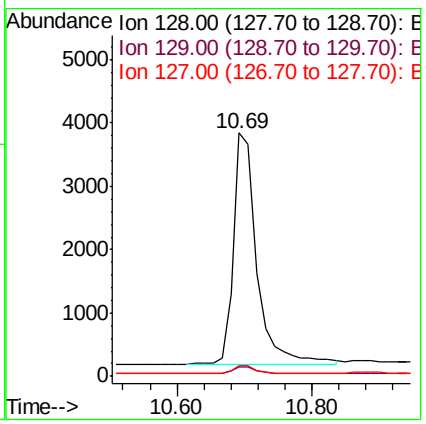
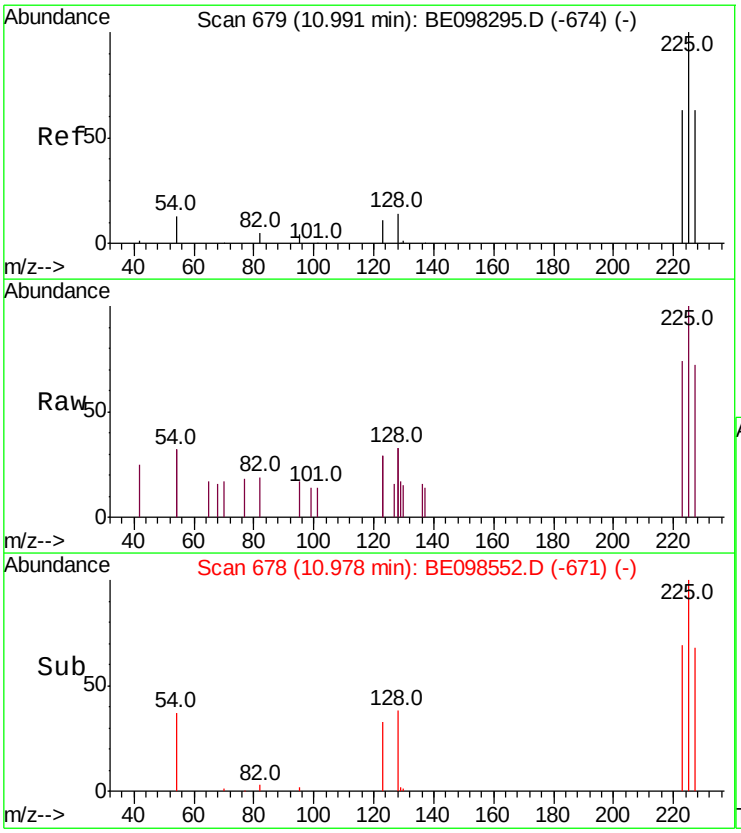
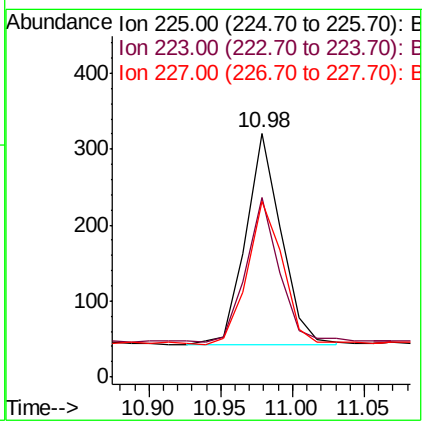


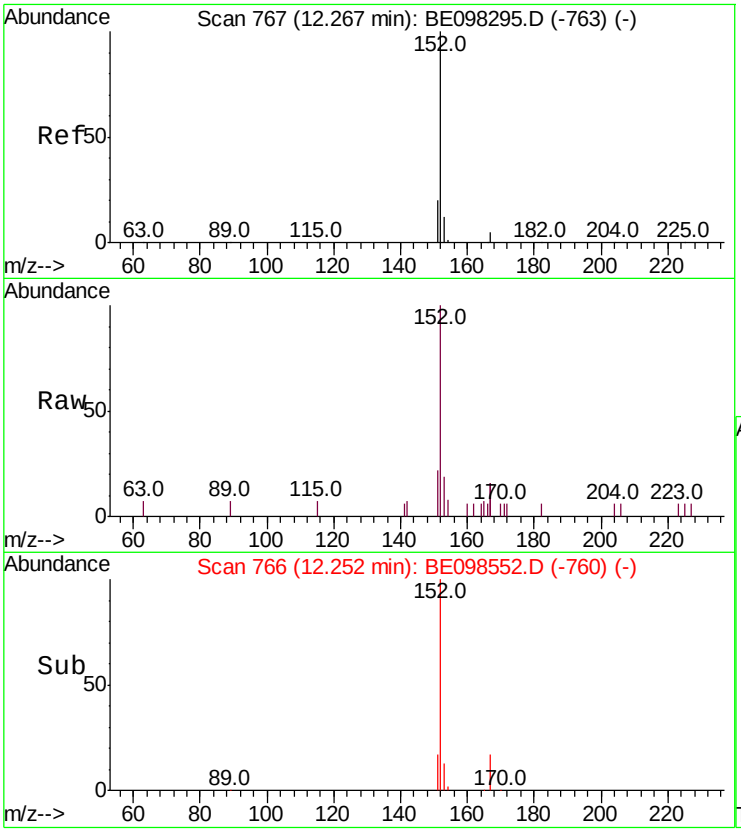


#10
Hexachlorobutadiene
Concen: 0.337 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:225 Resp: 473

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.4	74.0
227	66.8	52.0	78.0

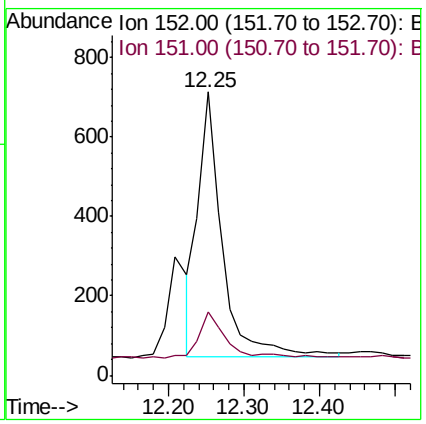




#11
2-Methylnaphthalene-d10
Concen: 0.423 ng m
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:152 Resp: 1505

Ion	Ratio	Lower	Upper
152	100		
151	18.3	16.2	24.4



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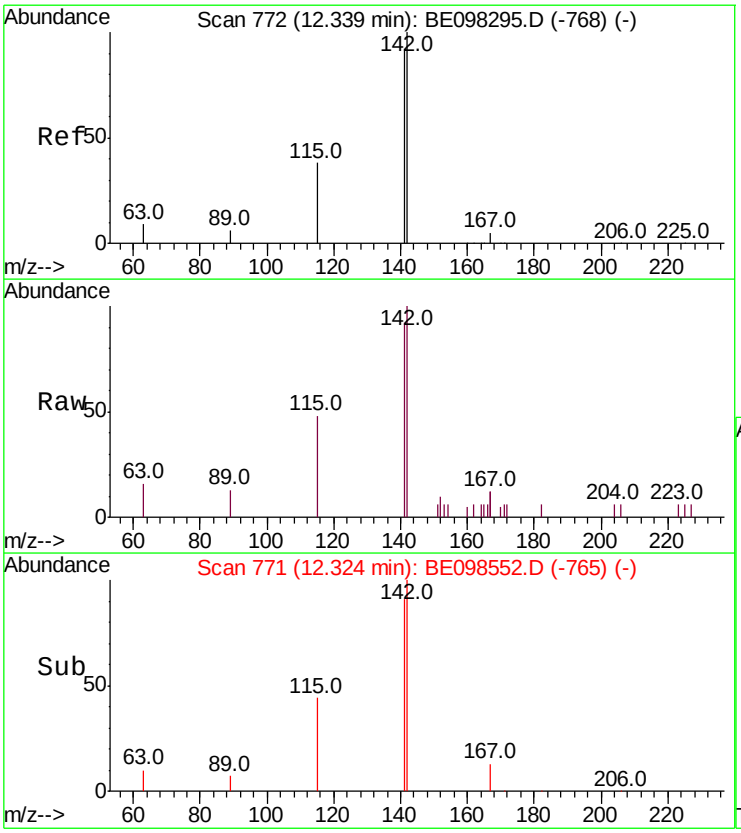
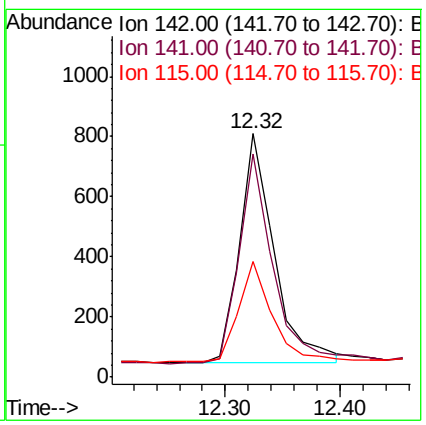
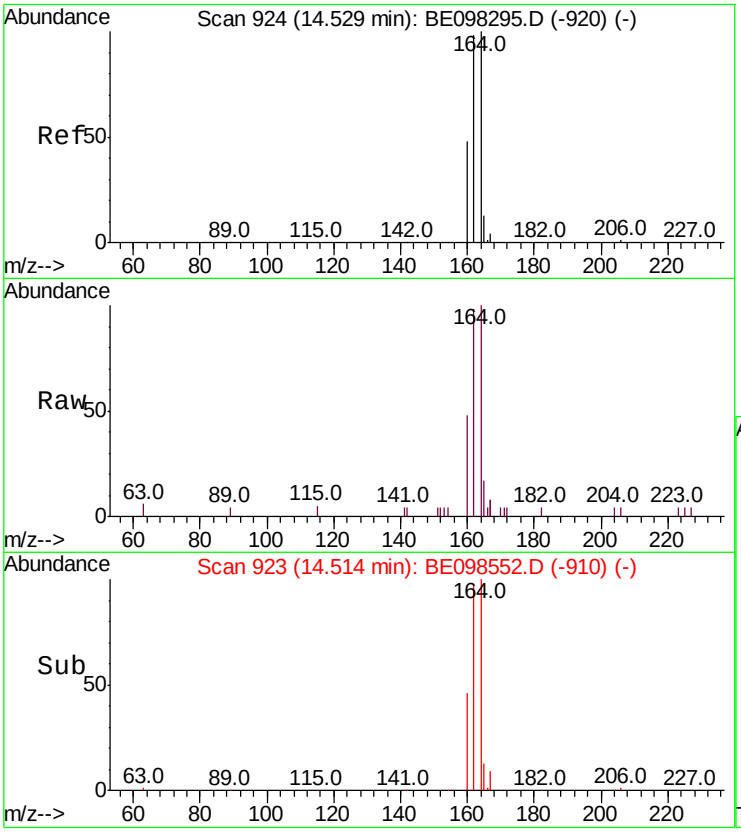


#12
2-Methylnaphthalene
Concen: 0.443 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:142 Resp: 1587

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.0	106.6
115	47.7	32.2	48.2

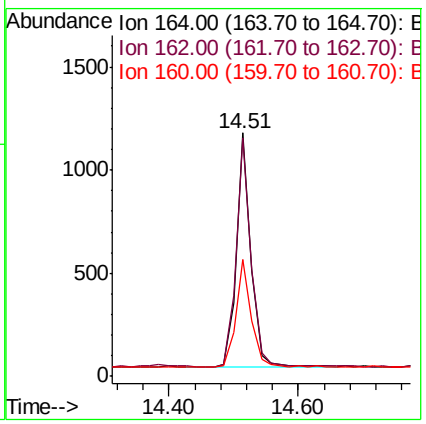




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:164 Resp: 1771

Ion	Ratio	Lower	Upper
164	100		
162	97.7	77.6	116.4
160	48.1	36.0	54.0



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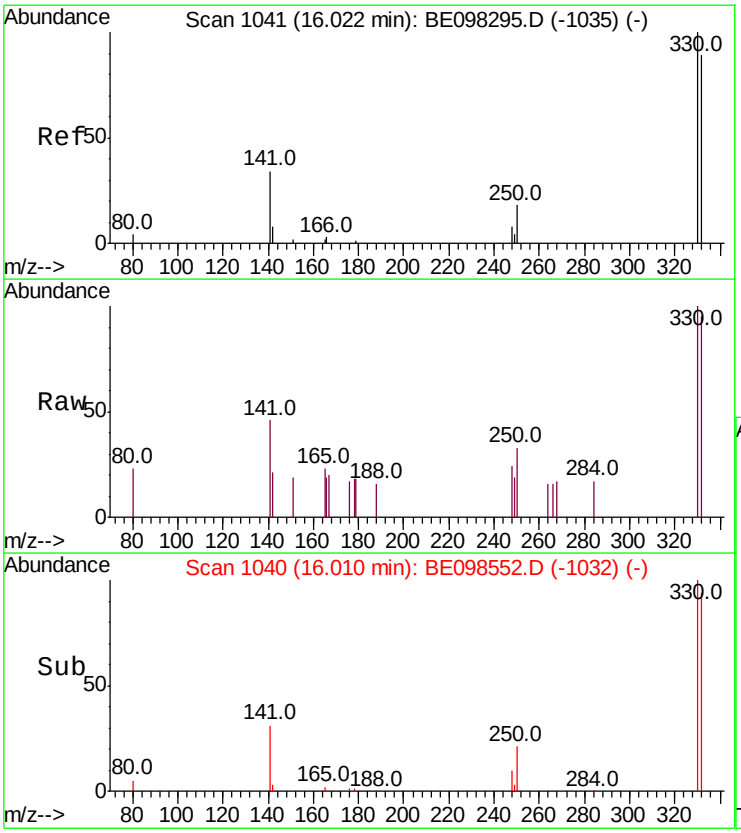
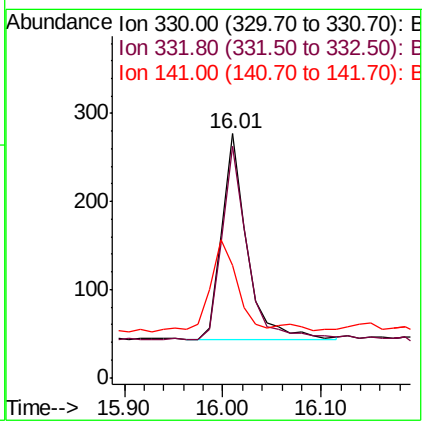
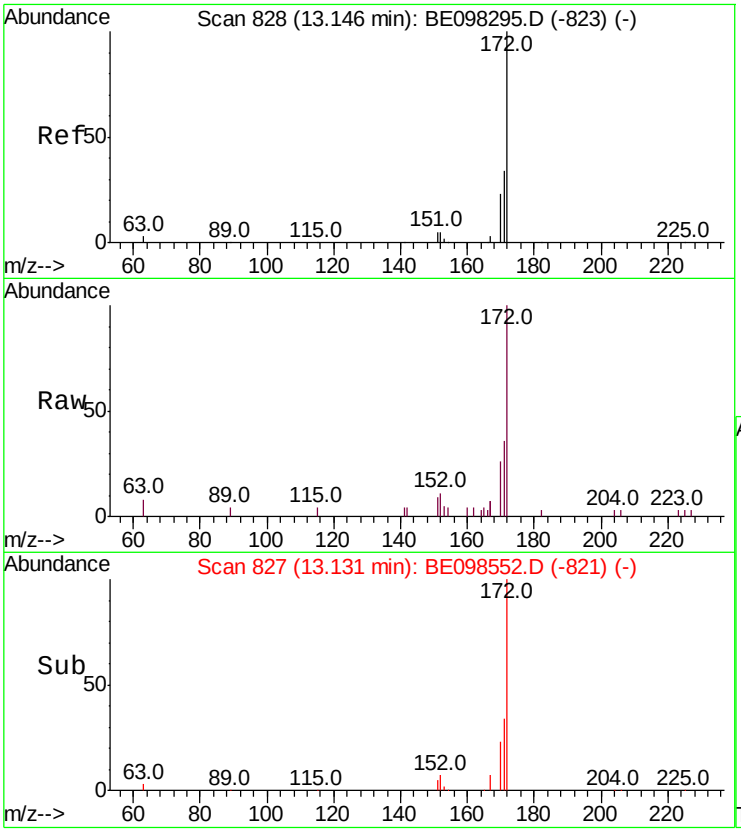


#14
2,4,6-Tribromophenol
Concen: 0.638 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:330 Resp: 415

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.2	114.4
141	48.4	39.0	58.4

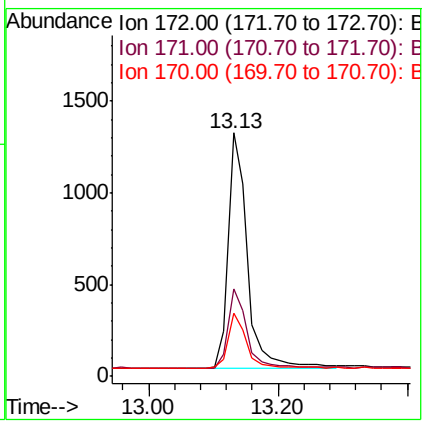




#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:172 Resp: 2622

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.5	41.3
170	26.1	19.6	29.4



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BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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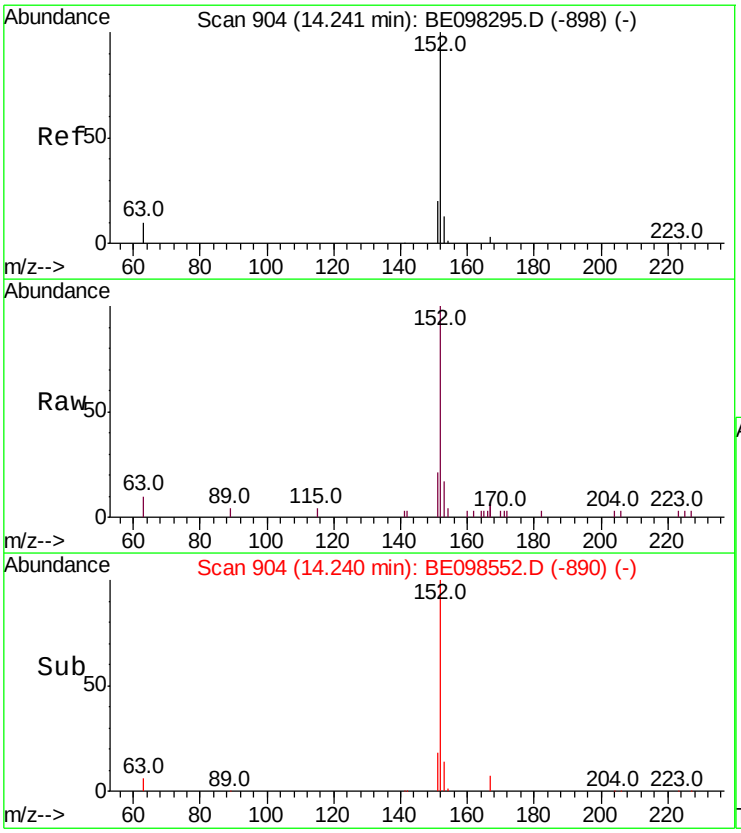
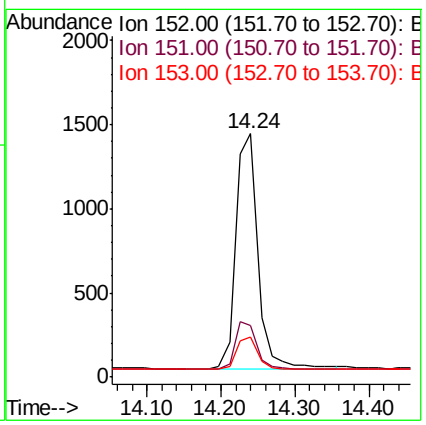
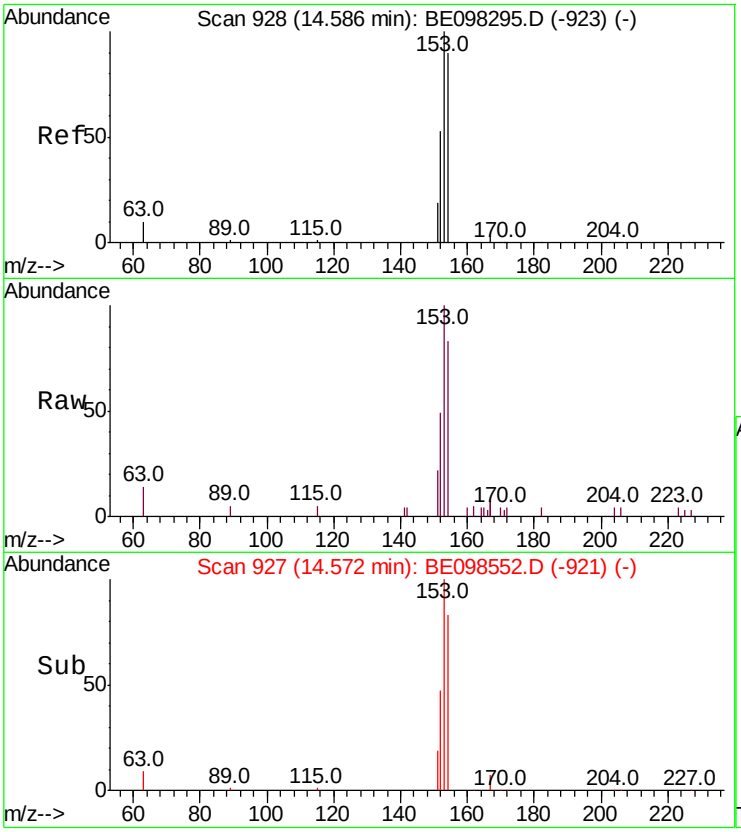


#16
Acenaphthylene
Concen: 0.350 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:152 Resp: 2903

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.5	23.3
153	14.2	10.6	16.0

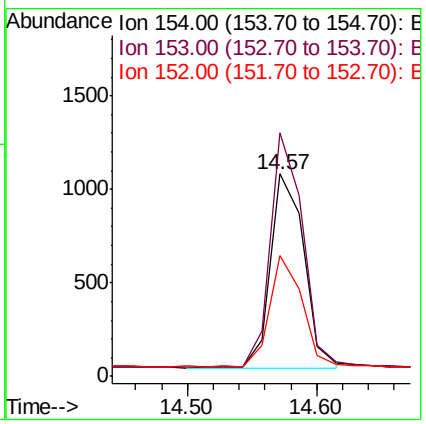




#17
Acenaphthene
Concen: 0.373 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:154 Resp: 1858

Ion	Ratio	Lower	Upper
154	100		
153	117.0	91.8	137.6
152	56.1	45.5	68.3



Instrument :
BNA_E
ClientSampleId :
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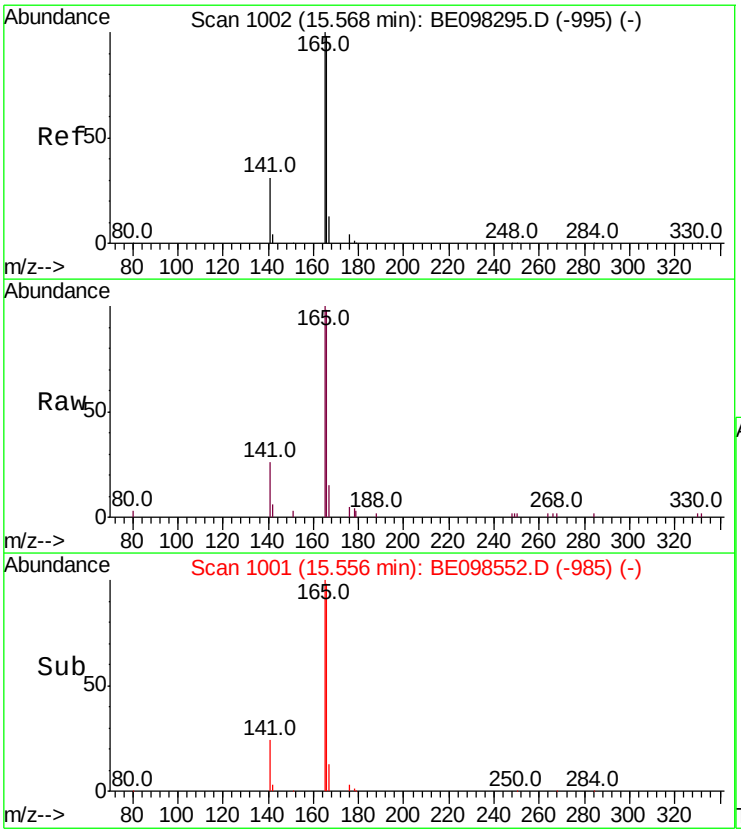
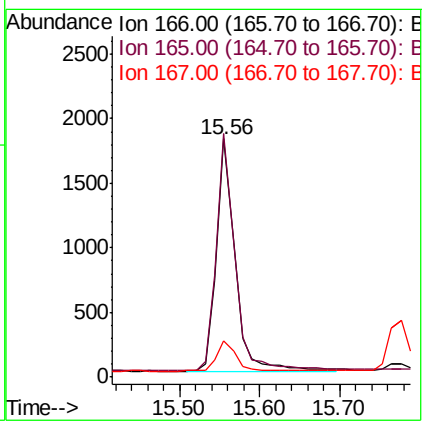
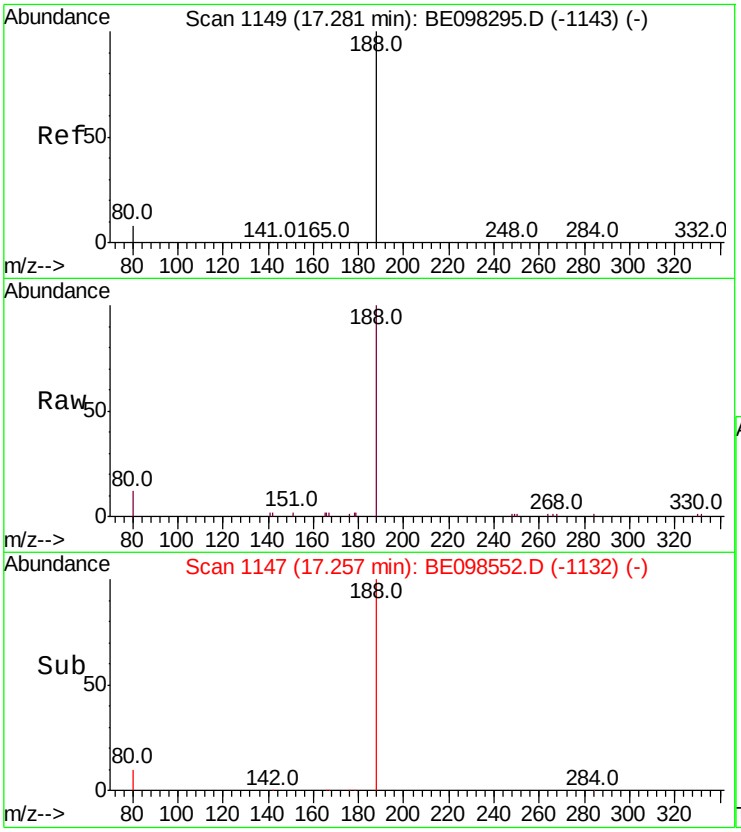


#18
Fluorene
Concen: 0.436 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:166 Resp: 2908

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.3	118.9
167	13.8	11.3	16.9

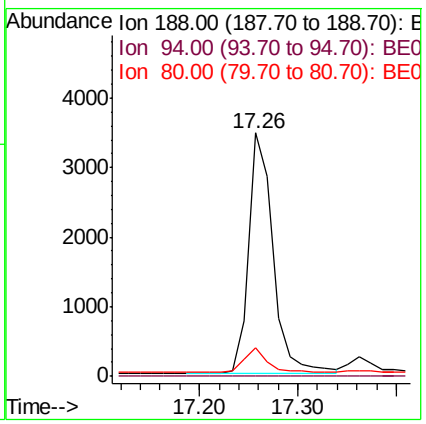




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:188 Resp: 5909

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	7.2	10.8#



Instrument :
BNA_E
ClientSampleId :
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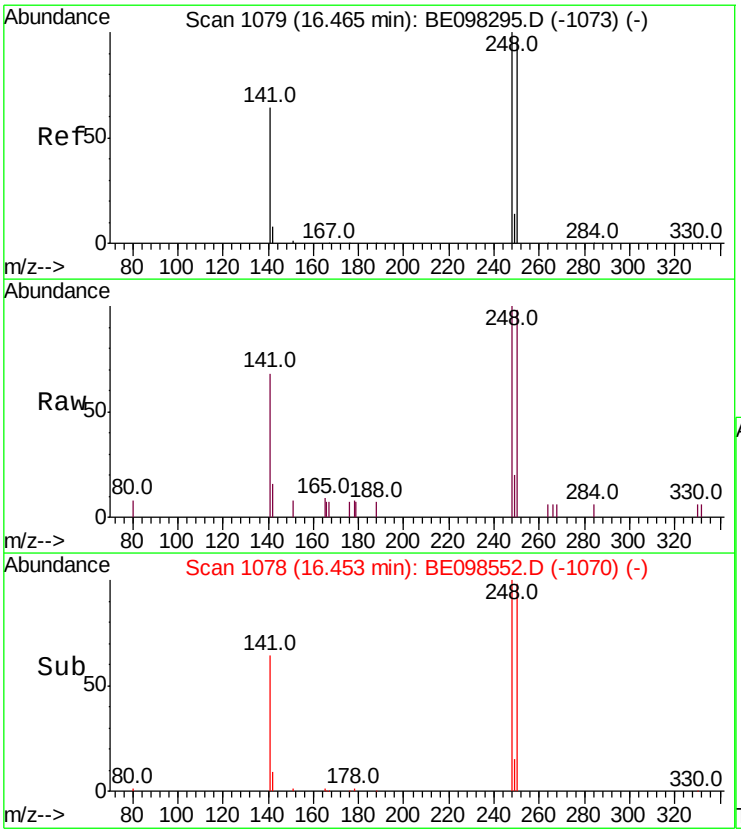
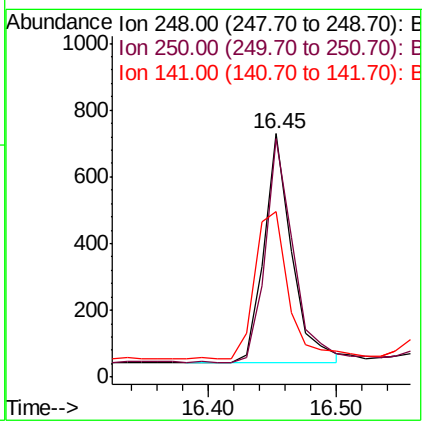
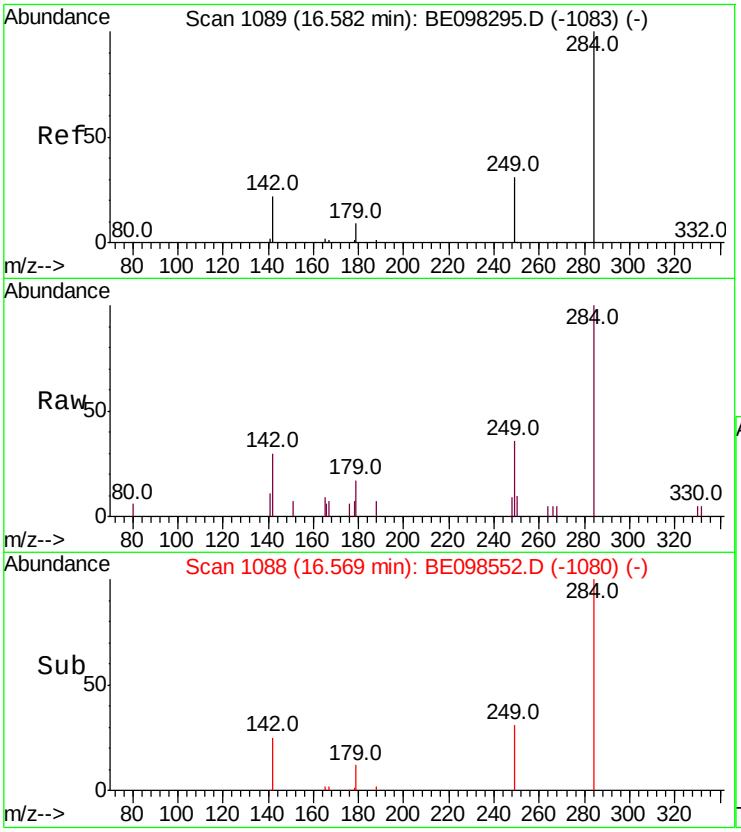


#20
4-Bromophenyl-phenylether
Concen: 0.331 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:248 Resp: 1053

Ion	Ratio	Lower	Upper
248	100		
250	97.9	71.0	106.6
141	67.9	62.1	93.1

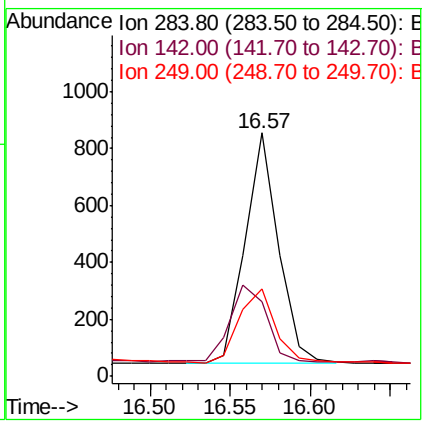




#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:284 Resp: 1173

Ion	Ratio	Lower	Upper
284	100		
142	36.4	26.3	39.5
249	33.8	26.0	39.0



Instrument :
BNA_E
ClientSampleId :
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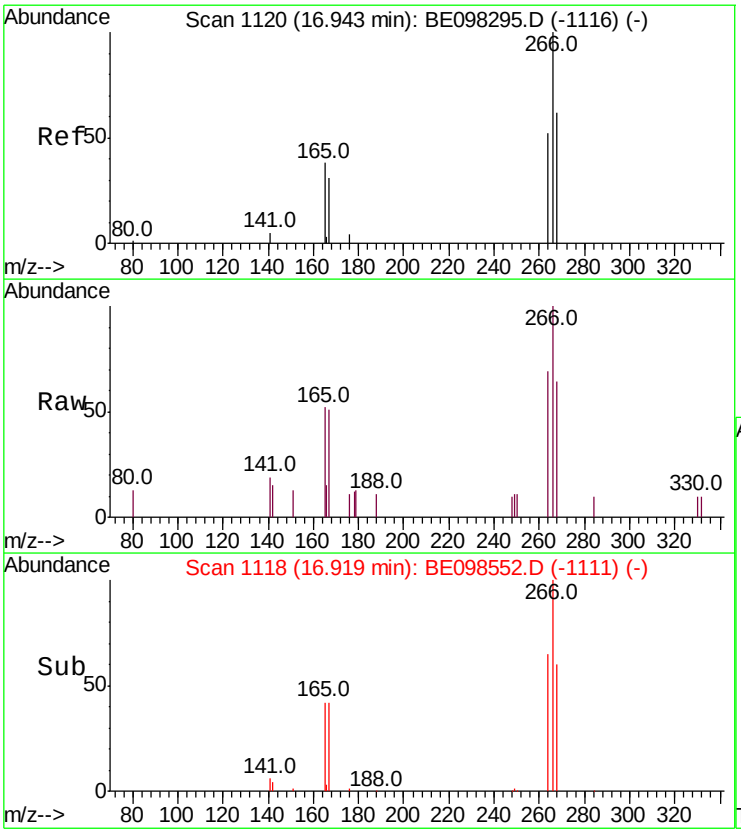
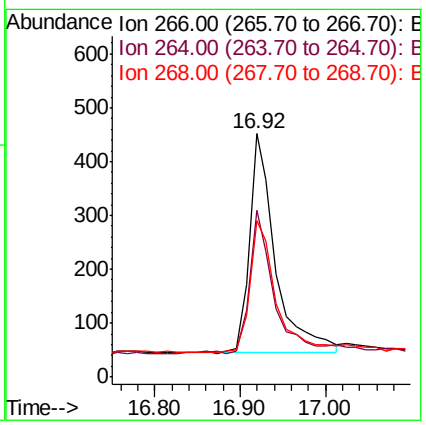
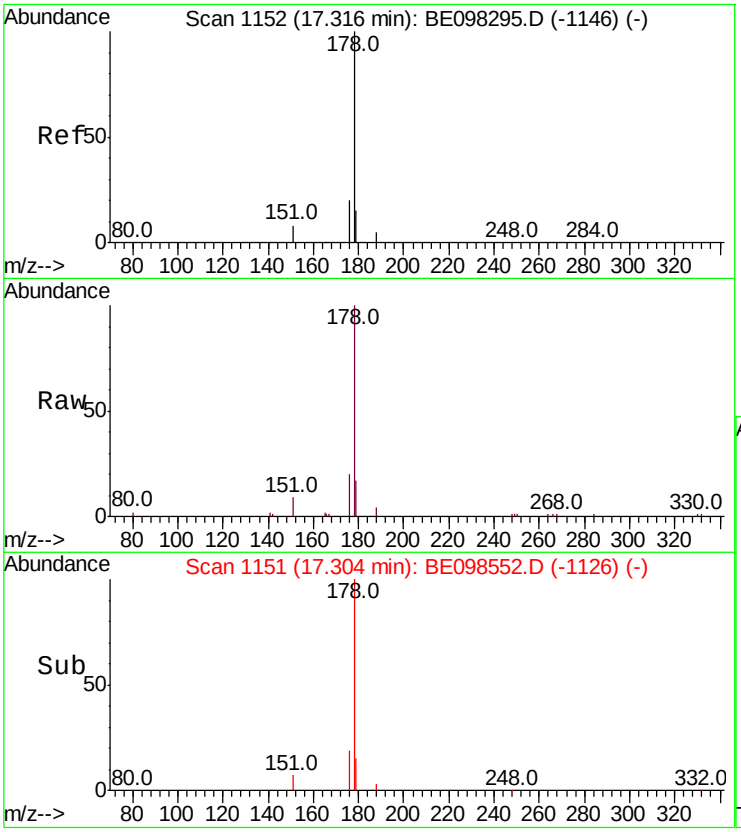


#22
Pentachlorophenol
Concen: 1.231 ng
RT: 16.92 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:266 Resp: 863

Ion	Ratio	Lower	Upper
266	100		
264	68.6	59.0	88.4
268	64.4	55.1	82.7

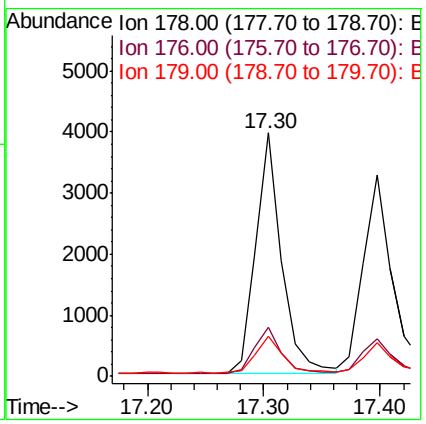




#23
Phenanthrene
Concen: 0.424 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:178 Resp: 6082

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.3	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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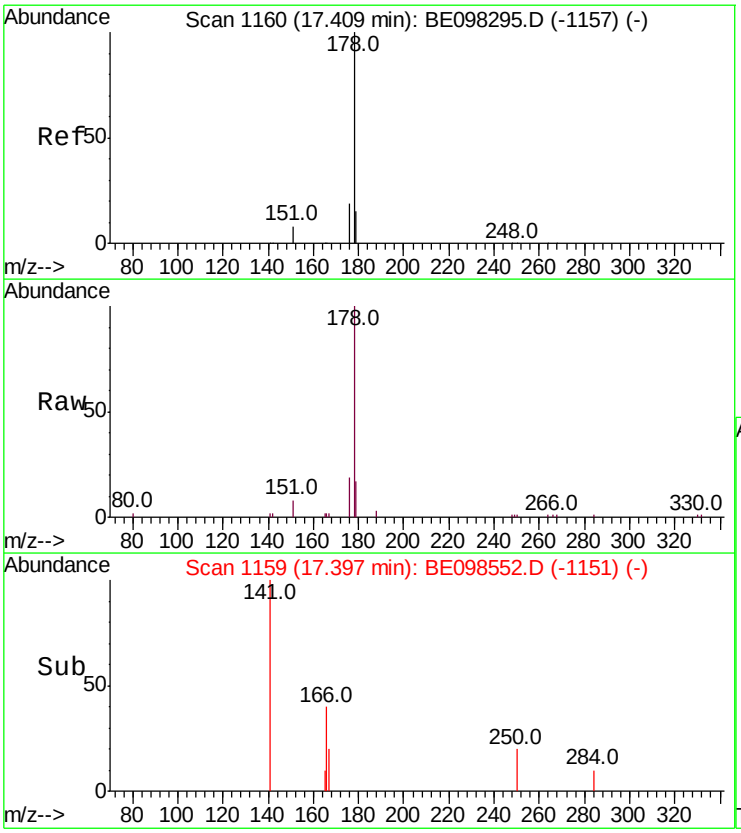
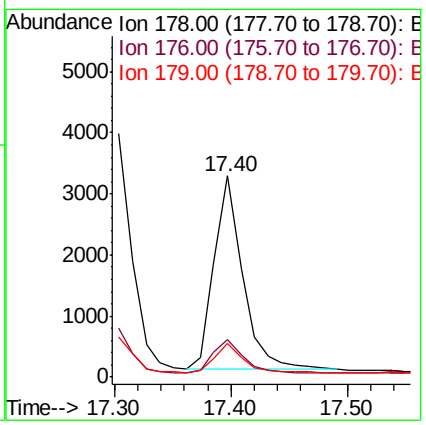
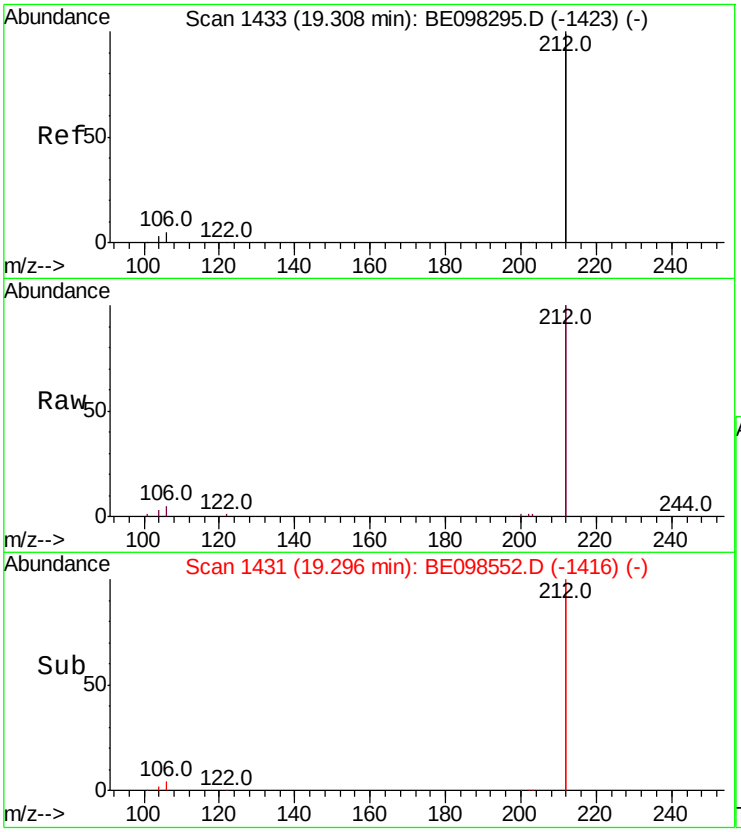


#24
Anthracene
Concen: 0.421 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:178 Resp: 5394

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.8	12.3	18.5

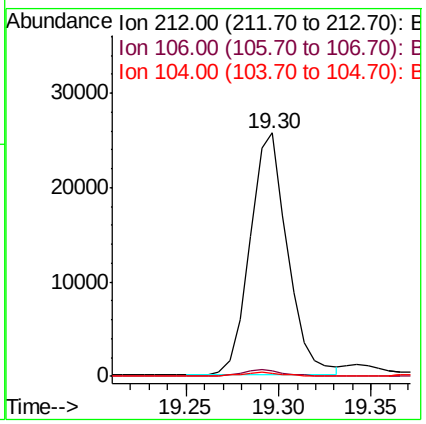




#25
Fluoranthene-d10
Concen: 0.472 ng
RT: 19.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:212 Resp: 35803

Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.4	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
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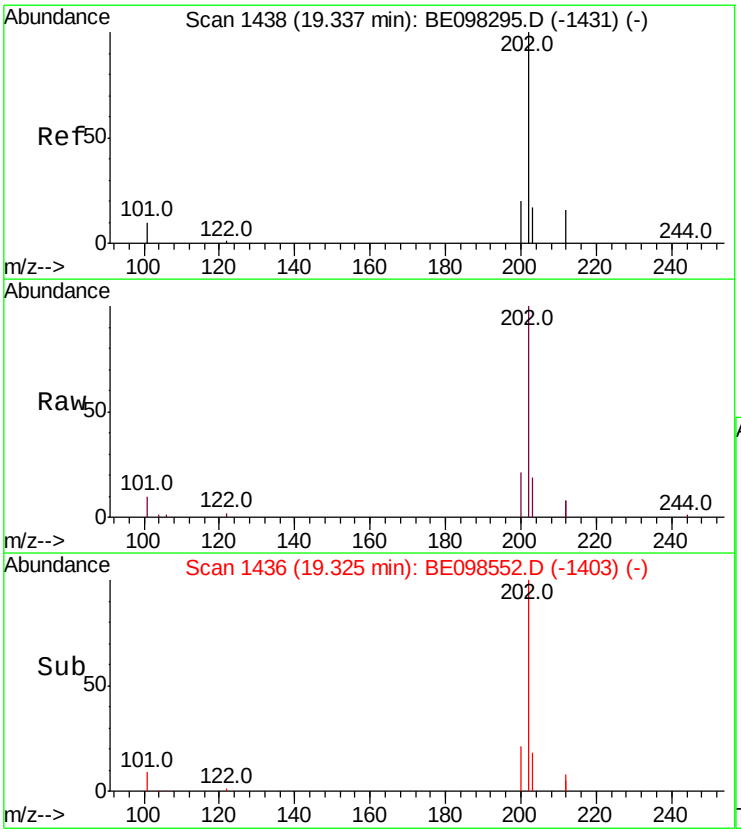
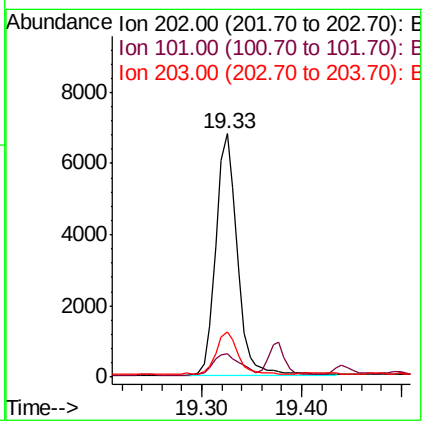
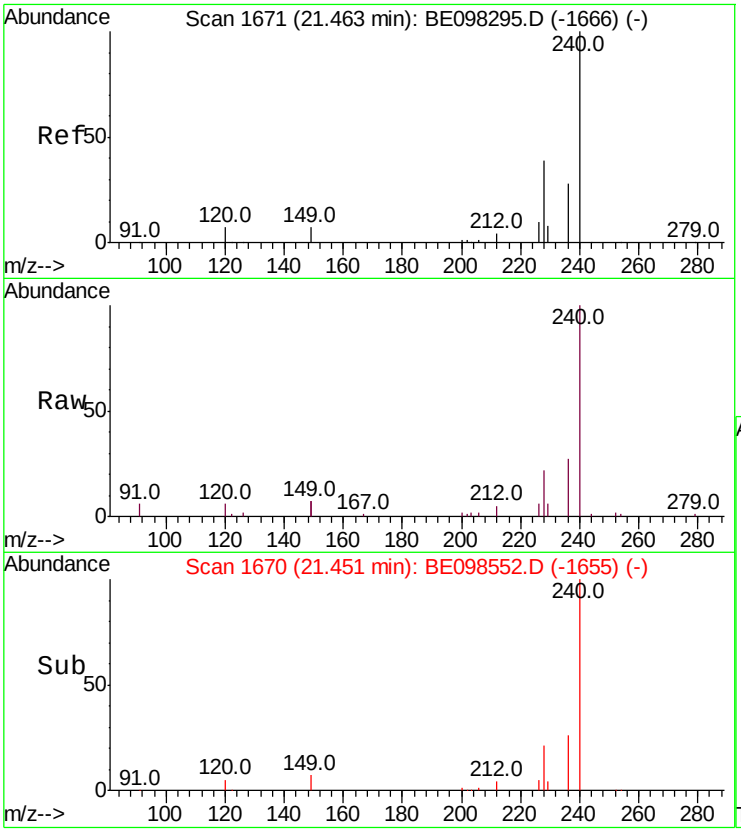


#26
Fluoranthene
Concen: 0.531 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:202 Resp: 10094

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.0	12.0
203	17.5	13.8	20.6

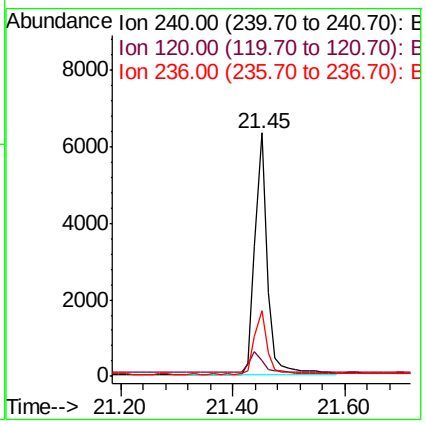




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:240 Resp: 9728

Ion	Ratio	Lower	Upper
240	100		
120	6.4	9.5	14.3#
236	26.9	22.7	34.1



Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

Manual Integrations APPROVED
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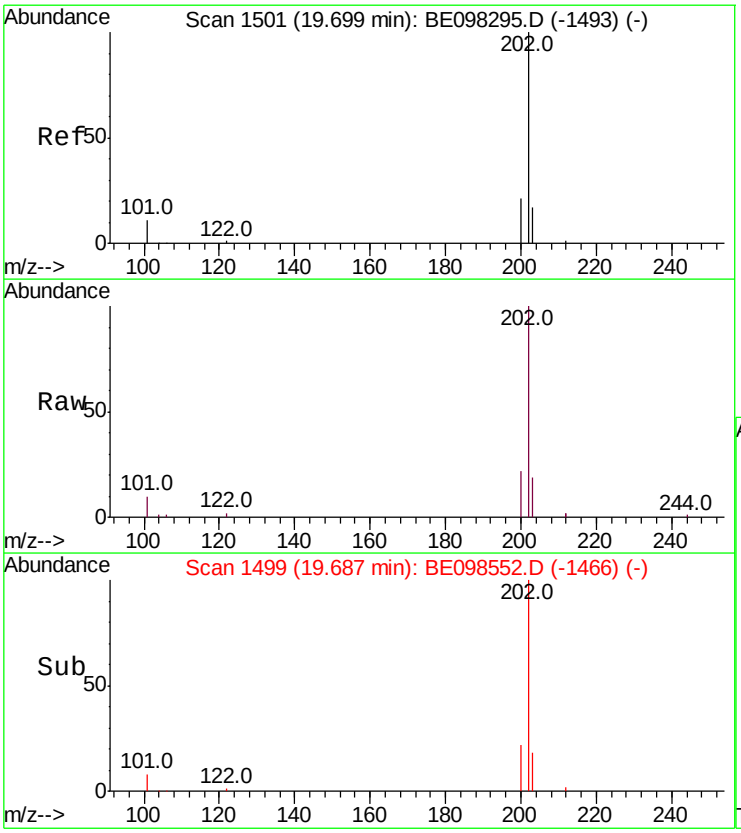
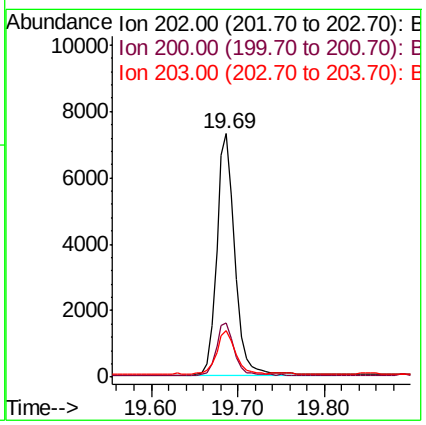
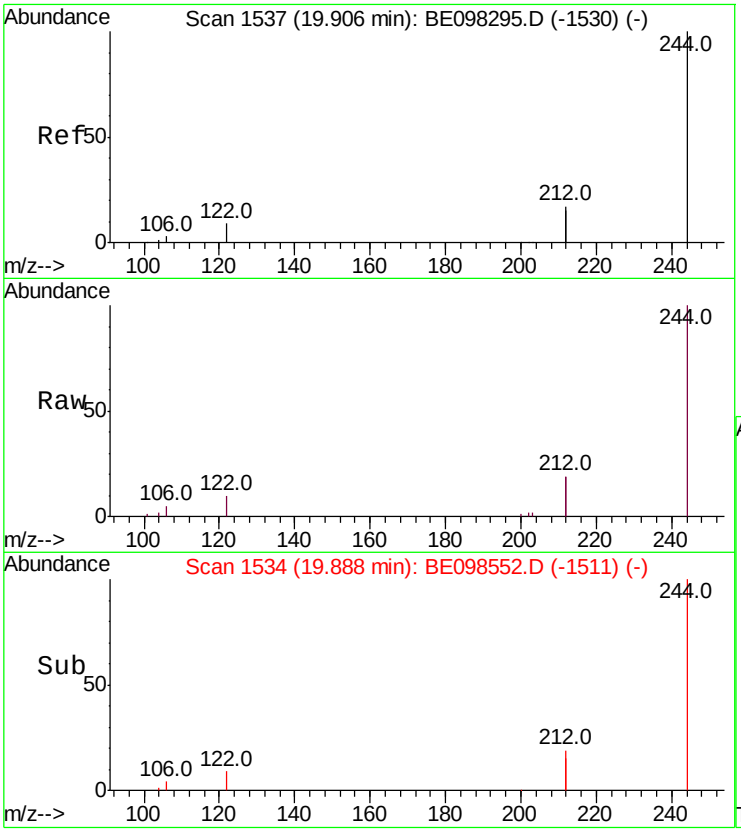


#28
Pyrene
Concen: 0.348 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:202 Resp: 10618

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	18.7	14.1	21.1

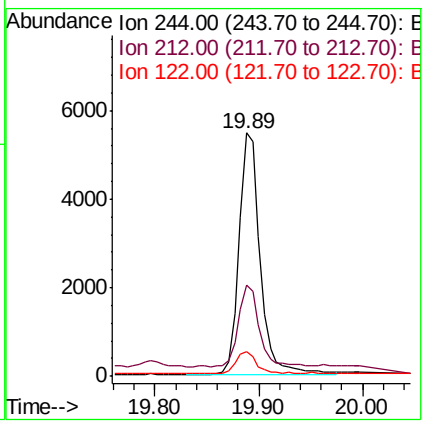




#29
Terphenyl-d14
Concen: 0.324 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:244 Resp: 7651

Ion	Ratio	Lower	Upper
244	100		
212	37.3	27.4	41.0
122	10.3	8.3	12.5



Instrument :
BNA_E
ClientSampleId :
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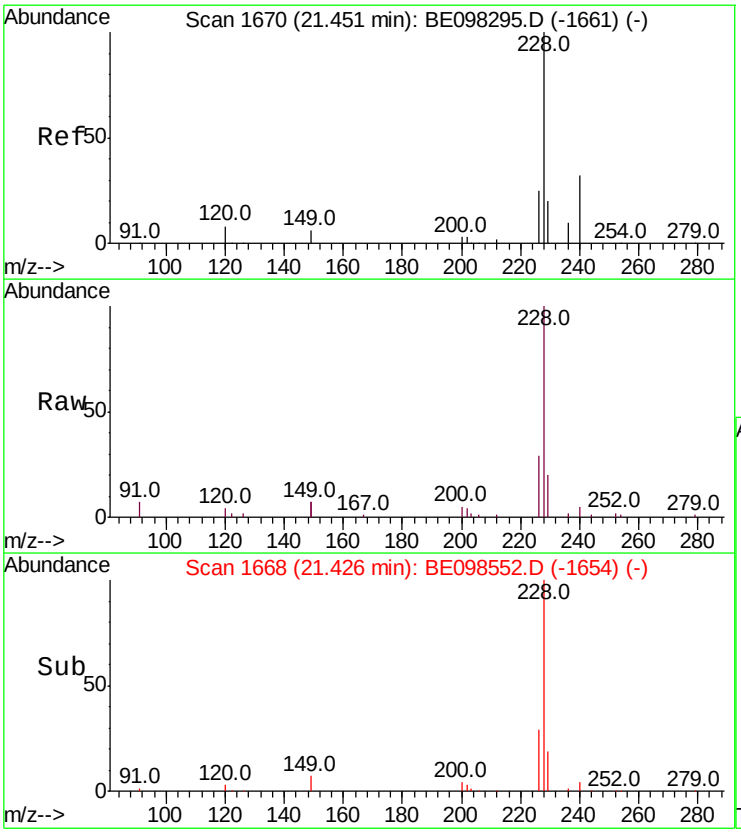
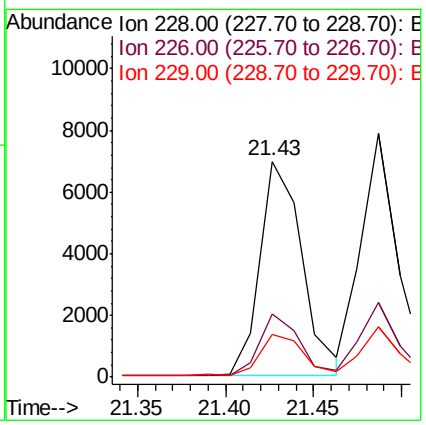
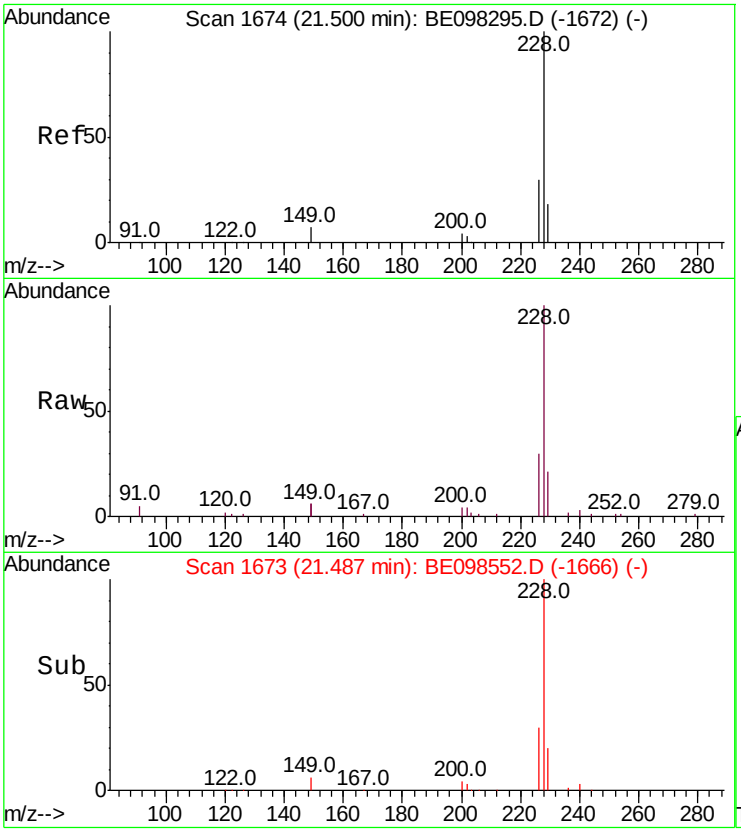


#30
Benzo(a)anthracene
Concen: 0.414 ng
RT: 21.43 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:228 Resp: 11467

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	19.8	16.3	24.5

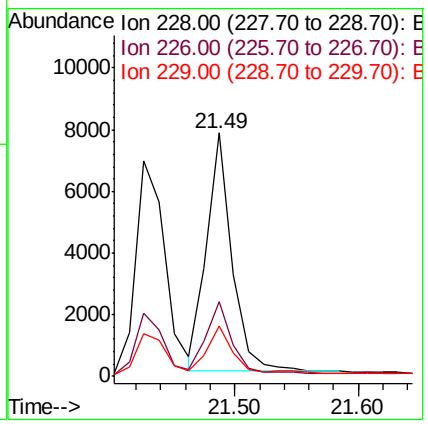




#31
Chrysene
Concen: 0.383 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:228 Resp: 11128

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	20.7	16.2	24.4



Instrument :
BNA_E
ClientSampleId :
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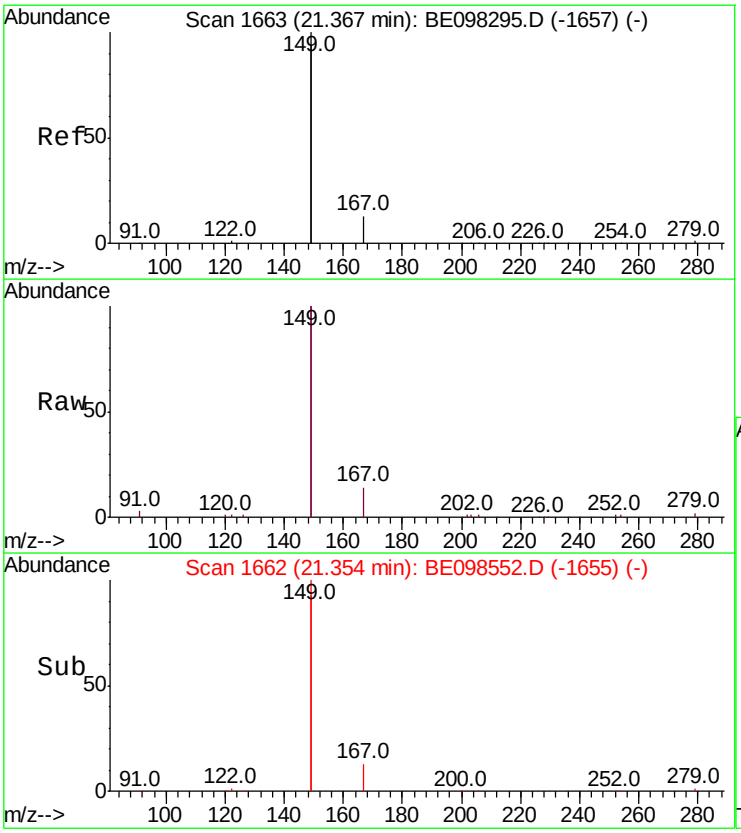
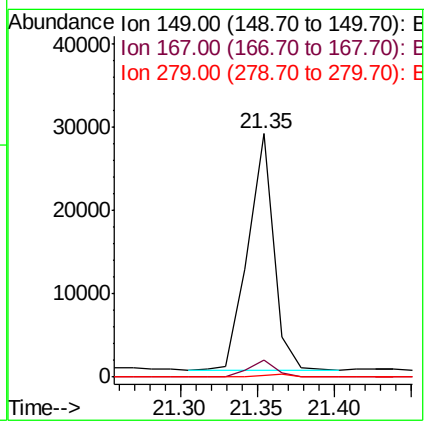
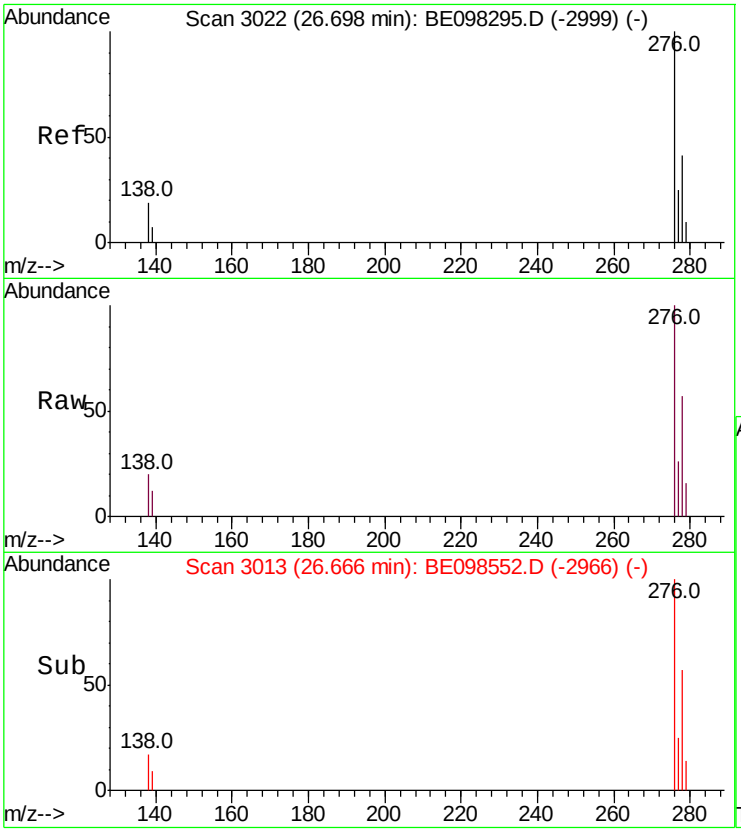


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.585 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:149 Resp: 32903

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.309 ng
RT: 26.67 min Scan# 3013
Delta R.T. -0.03 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:276 Resp: 8933

Ion	Ratio	Lower	Upper
276	100		
138	9.8	16.3	24.5#
277	25.1	20.2	30.4

Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

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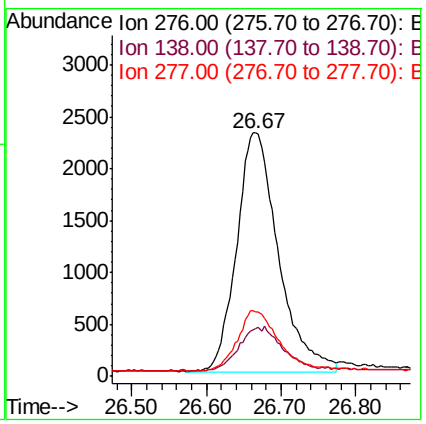
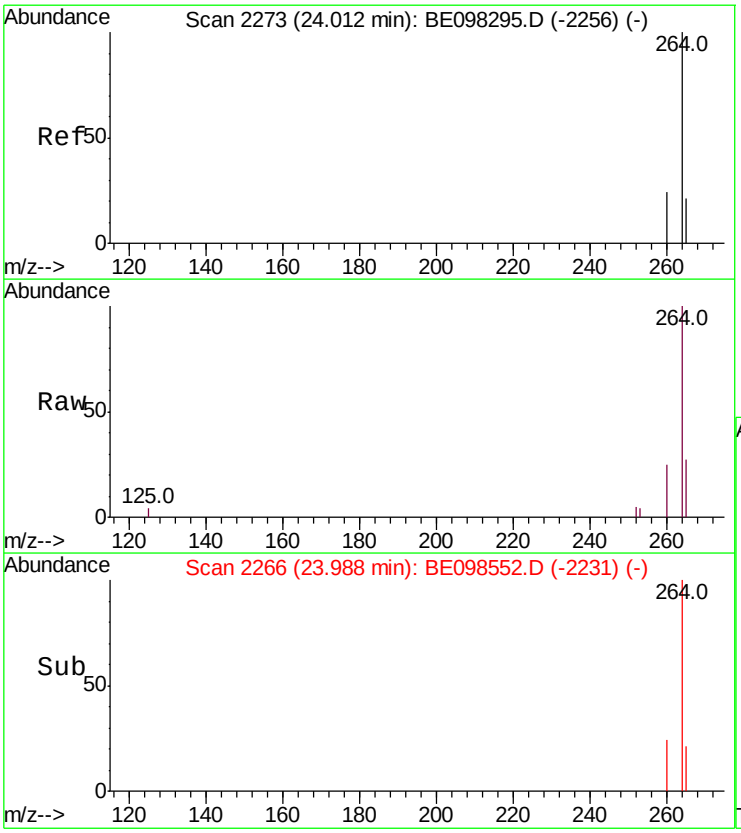
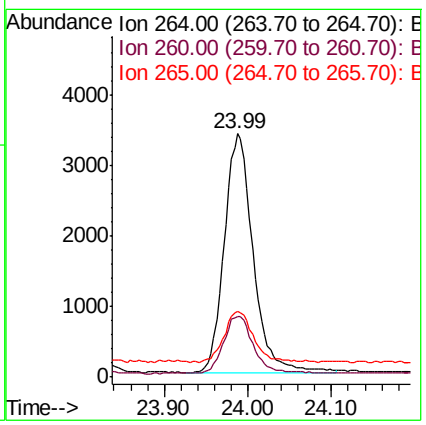


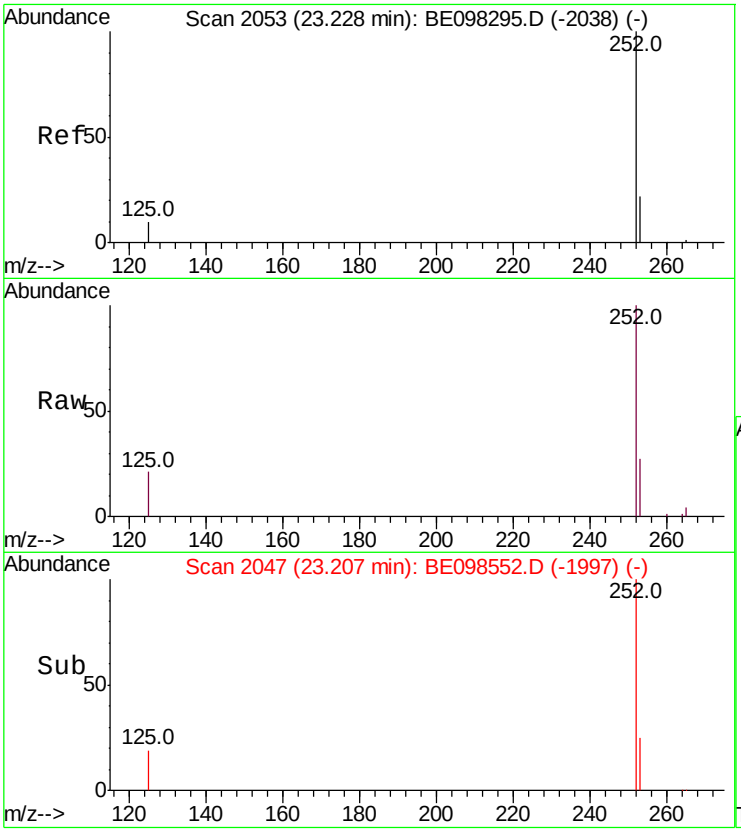


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:264 Resp: 8129

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.2	30.2
265	27.1	25.2	37.8





#35
Benzo(b)fluoranthene
Concen: 0.453 ng m
RT: 23.21 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:252 Resp: 10080

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.0	30.0
125	21.0	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
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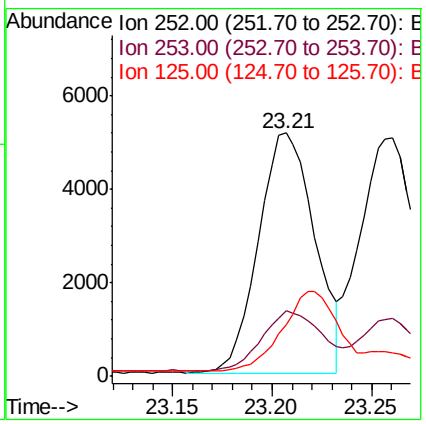
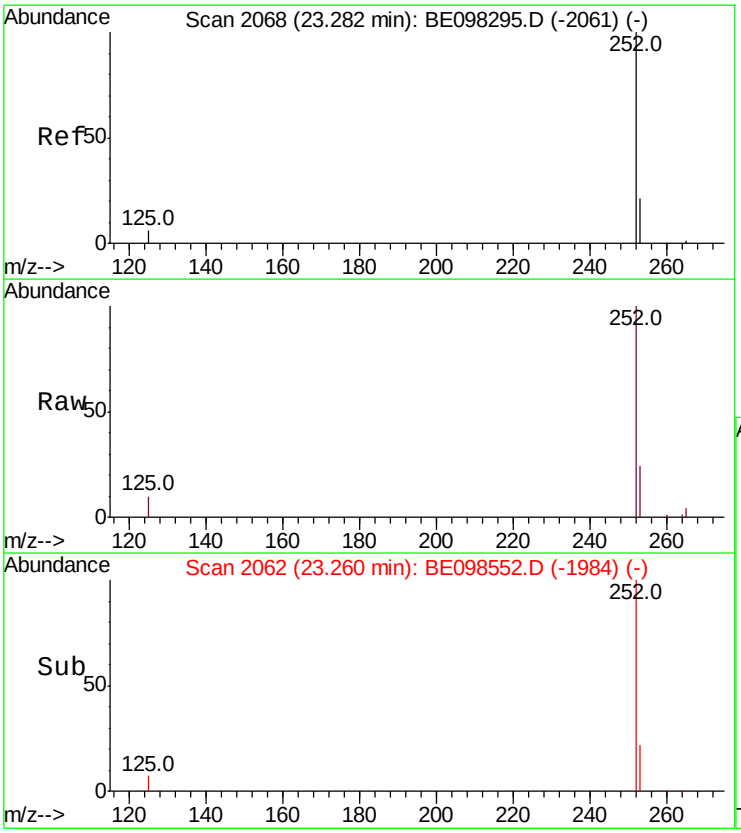
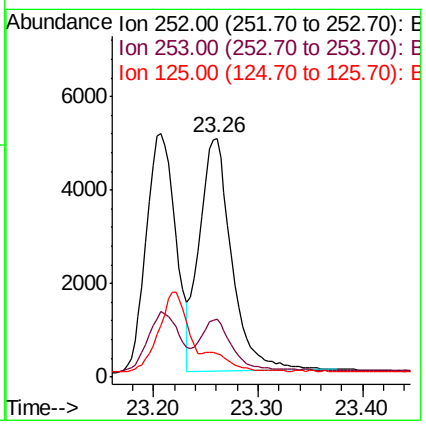


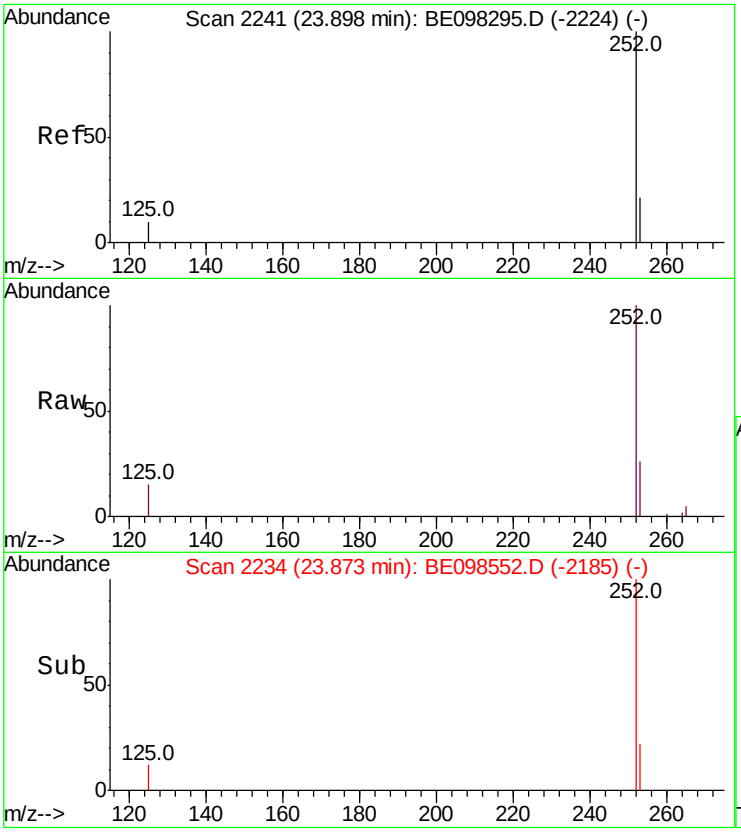


#36
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:252 Resp: 10764

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	10.0	9.1	13.7





#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.87 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:252 Resp: 9423

Ion	Ratio	Lower	Upper
252	100		
253	25.5	20.6	30.8
125	15.0	10.5	15.7

Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

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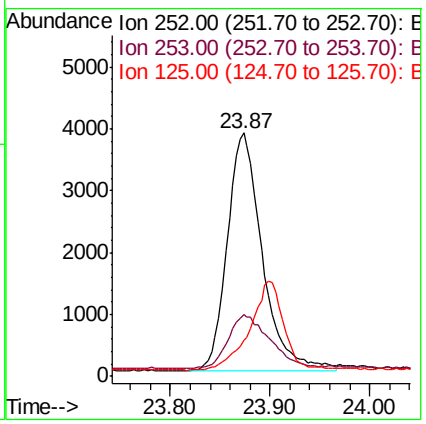
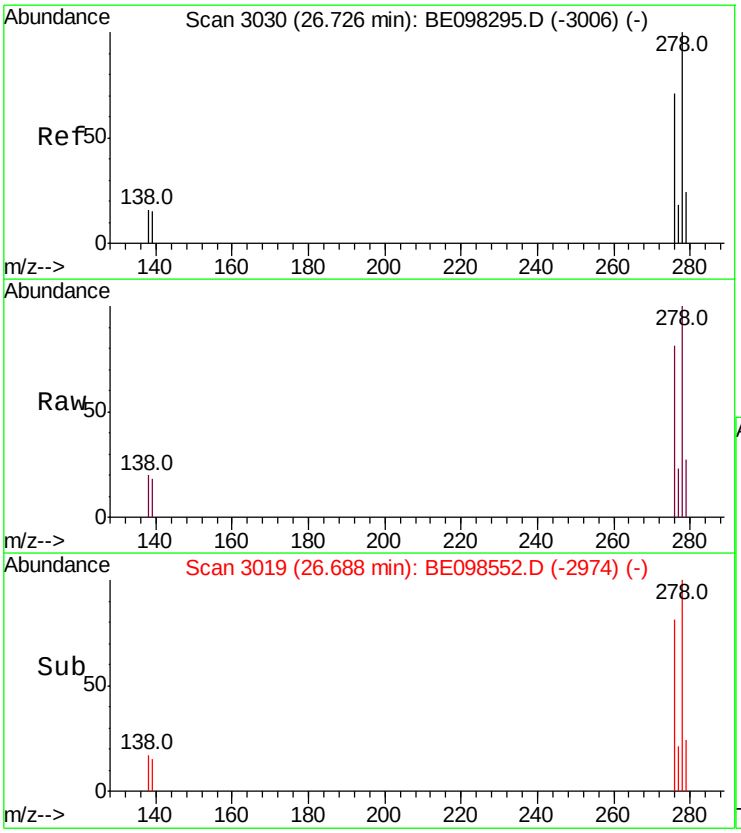
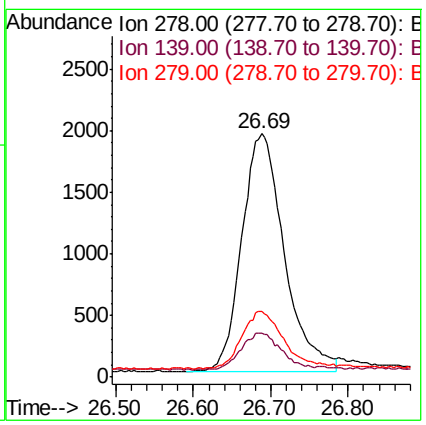


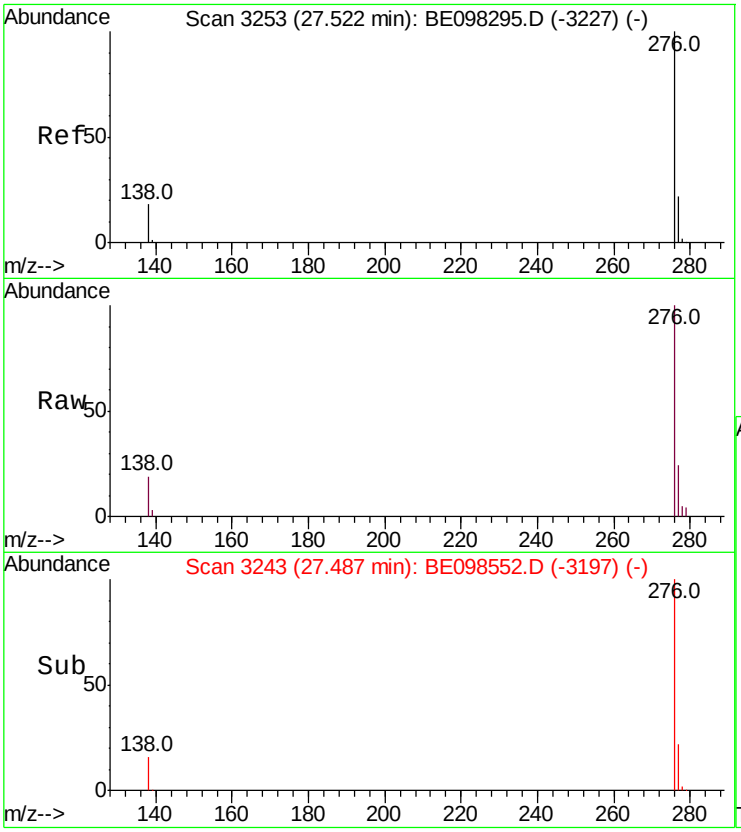


#38
Dibenzo(a,h)anthracene
Concen: 0.339 ng
RT: 26.69 min Scan# 3019
Delta R.T. -0.04 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:278 Resp: 7325

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	27.2	21.8	32.8

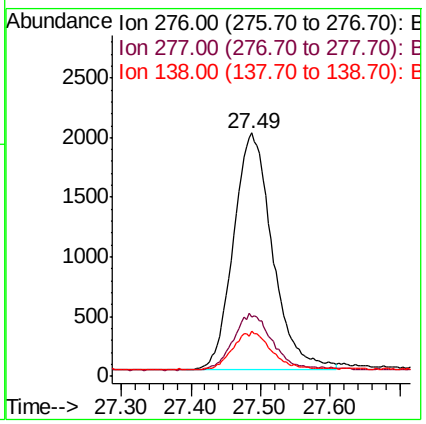




#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 27.49 min Scan# 3243
Delta R.T. -0.03 min
Lab File: BE098552.D
Acq: 21 Dec 2018 13:29

Tgt Ion:276 Resp: 7733

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.8	31.2
138	18.7	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
PR-MW-04_121218MSD

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