Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031519\
Data File : BE098970.D
Acq On : 15 Mar 2019 12:50
Operator : JU/SJ
Sample : K1882-09MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

Manual Integrations APPROVED
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Quant Time: Mar 18 06:49:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 15 05:31:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	768	0.40	ng		0.00
7) Naphthalene-d8	10.59	136	3365	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	2179	0.40	ng		0.00
19) Phenanthrene-d10	17.22	188	5296	0.40	ng		0.00
27) Chrysene-d12	21.39	240	6279	0.40	ng		-0.01
34) Perylene-d12	23.89	264	5761	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	296	0.13	ng		0.02
5) Phenol-d6	7.01	99	265	0.08	ng		0.02
8) Nitrobenzene-d5	8.98	82	1370	0.39	ng		0.01
11) 2-Methylnaphthalene-d10	12.19	152	2464m	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	402	0.37	ng		-0.01
15) 2-Fluorobiphenyl	13.07	172	4491	0.50	ng		-0.01
25) Fluoranthene-d10	19.24	212	29161	0.34	ng		0.00
29) Terphenyl-d14	19.84	244	6628	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	753	0.533	ng	#	90
3) n-Nitrosodimethylamine	3.65	42	76	0.039	ng	#	84
6) bis(2-Chloroethyl)ether	7.23	93	651	0.260	ng	#	69
9) Naphthalene	10.64	128	14603	0.379	ng		100
10) Hexachlorobutadiene	10.91	225	850	0.333	ng		98
12) 2-Methylnaphthalene	12.27	142	2379	0.381	ng		96
16) Acenaphthylene	14.18	152	4037	0.360	ng		96
17) Acenaphthene	14.51	154	2496	0.375	ng		97
18) Fluorene	15.50	166	3449	0.360	ng		98
20) 4-Bromophenyl-phenylether	16.40	248	1095	0.381	ng		99
21) Hexachlorobenzene	16.52	284	1233	0.361	ng		97
22) Pentachlorophenol	16.88	266	607	0.787	ng		90
23) Phenanthrene	17.26	178	5581	0.371	ng		100
24) Anthracene	17.35	178	4512	0.351	ng		99
26) Fluoranthene	19.27	202	7450	0.351	ng		99
28) Pyrene	19.63	202	7686	0.400	ng		100
30) Benzo(a)anthracene	21.38	228	6565	0.335	ng		99
31) Chrysene	21.44	228	8238	0.393	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	14393	0.345	ng		100
33) Indeno(1,2,3-cd)pyrene	26.53	276	6484	0.293	ng	#	88
35) Benzo(b)fluoranthene	23.13	252	6876m	0.363	ng		
36) Benzo(k)fluoranthene	23.18	252	7319	0.369	ng		99
37) Benzo(a)pyrene	23.78	252	7205	0.397	ng	#	94
38) Dibenzo(a,h)anthracene	26.56	278	5188	0.302	ng	#	96
39) Benzo(g,h,i)perylene	27.34	276	6463	0.360	ng		94

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

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QLast Update : Fri Mar 15 05:31:33 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

Manual Integrations APPROVED
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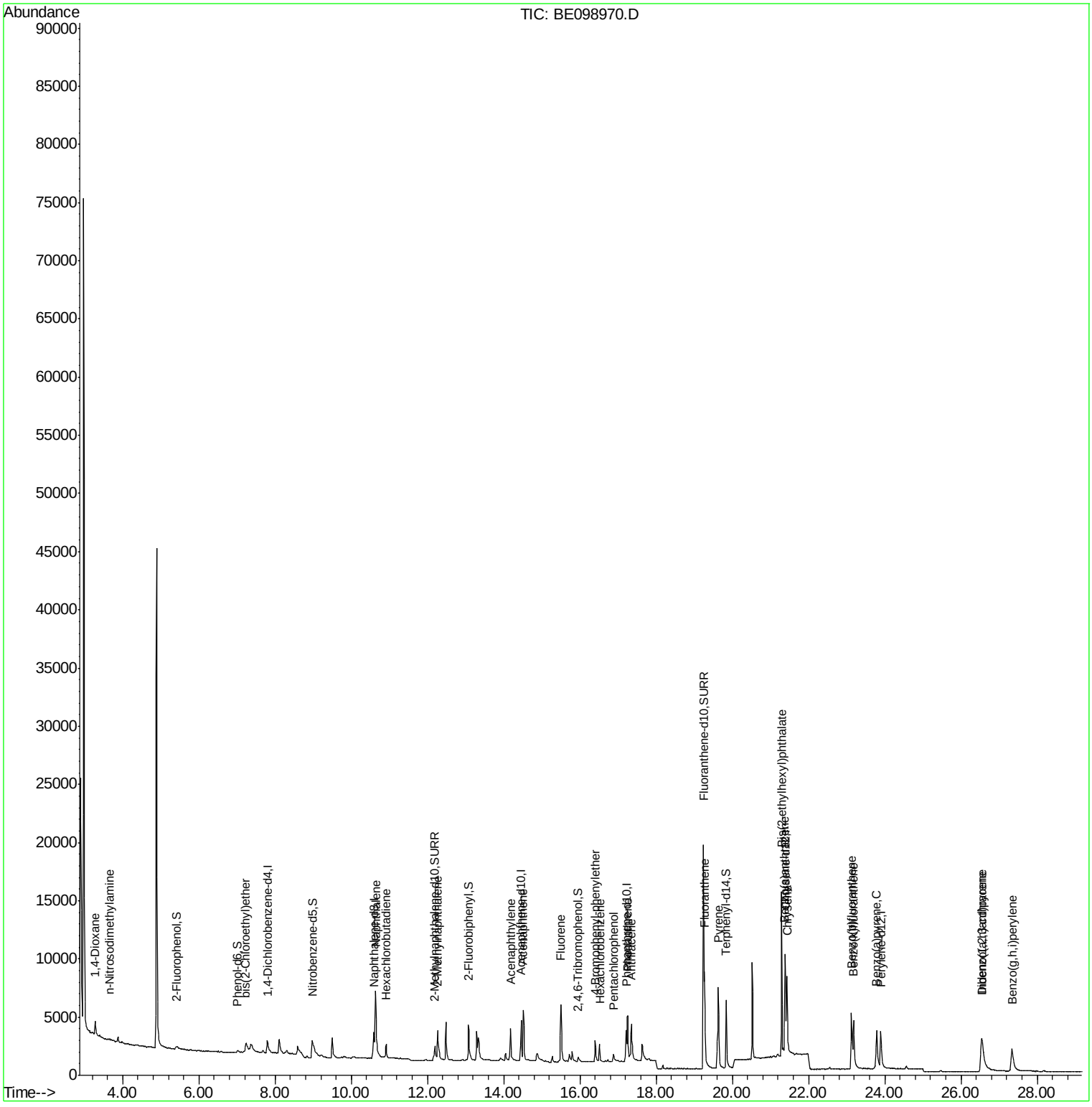
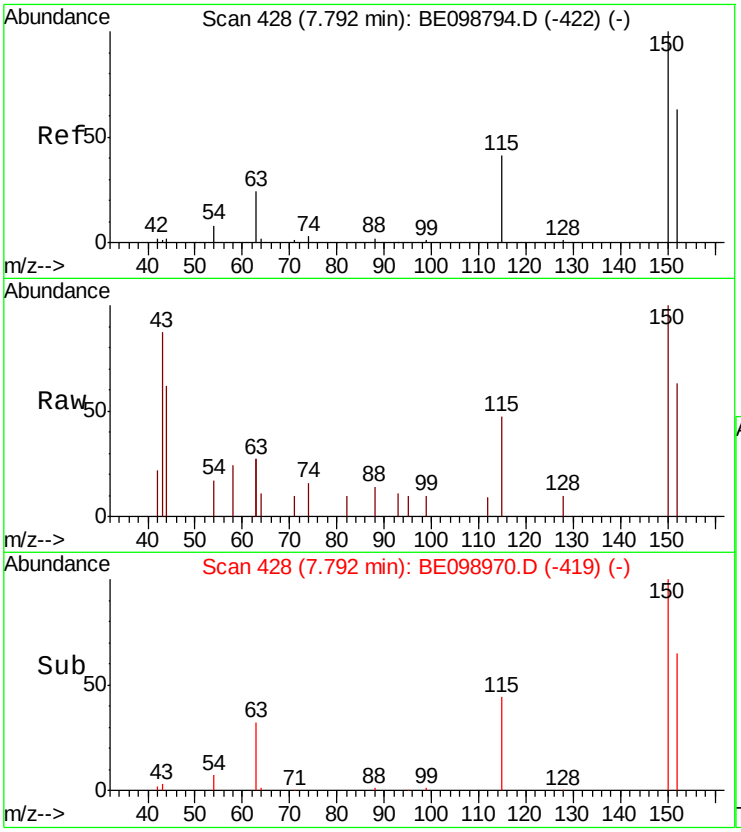
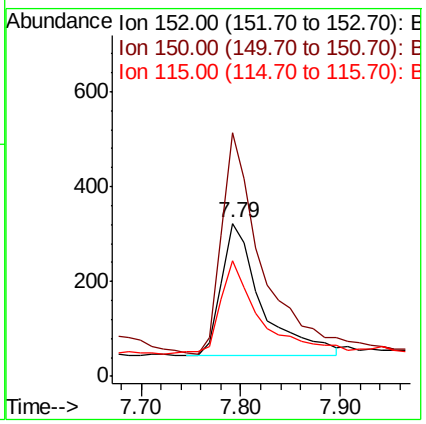




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:152 Resp: 768

Ion	Ratio	Lower	Upper
152	100		
150	158.8	122.5	183.7
115	75.2	57.4	86.2



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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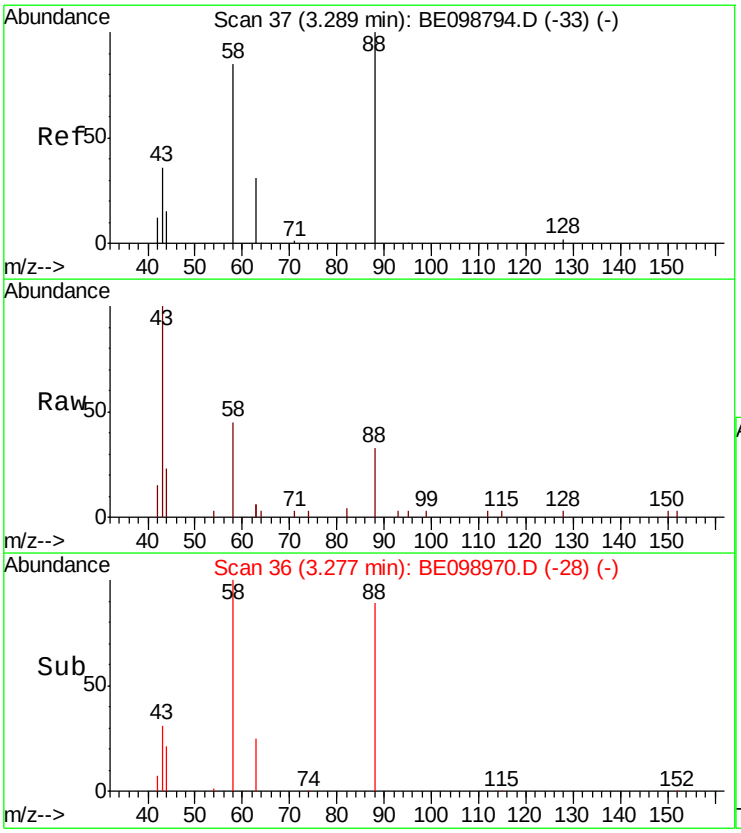
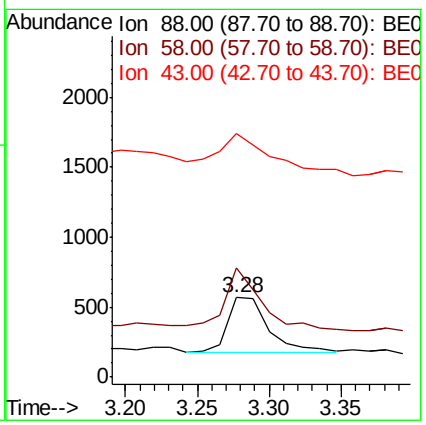
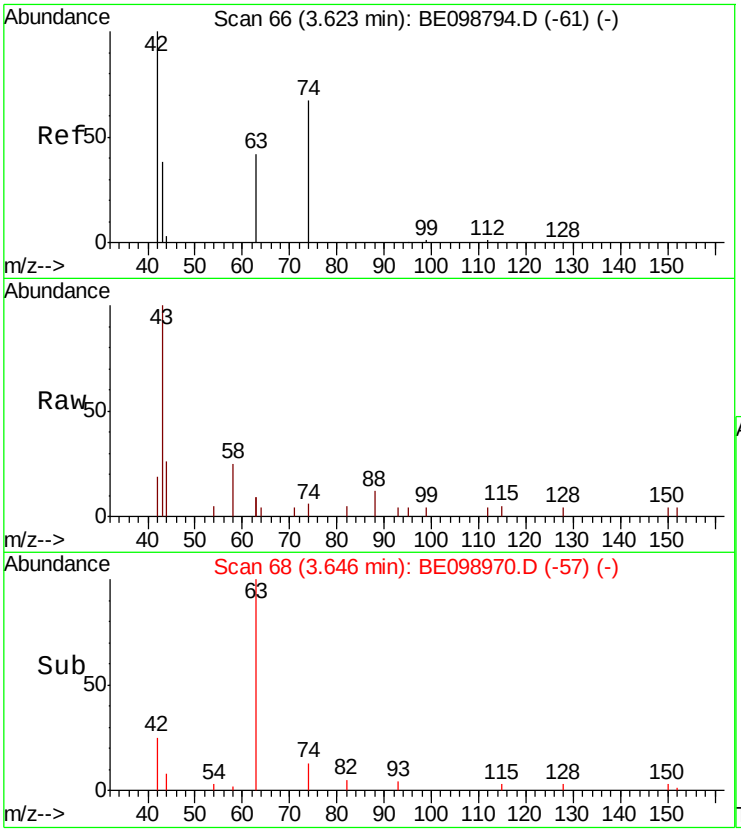


#2
1,4-Dioxane
Concen: 0.533 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion: 88 Resp: 753

Ion	Ratio	Lower	Upper
88	100		
58	96.0	75.8	113.6
43	70.3	41.8	62.8#

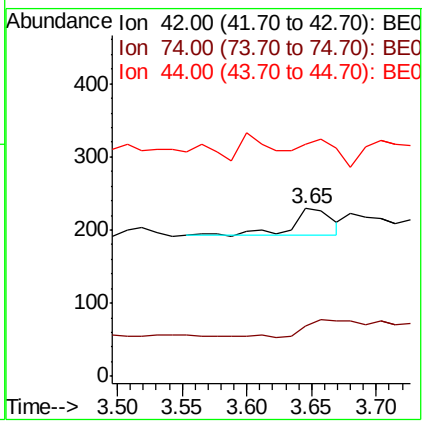




#3
n-Nitrosodimethylamine
Concen: 0.039 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.02 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion: 42 Resp: 76

Ion	Ratio	Lower	Upper
42	100		
74	57.9	57.0	85.4
44	86.8	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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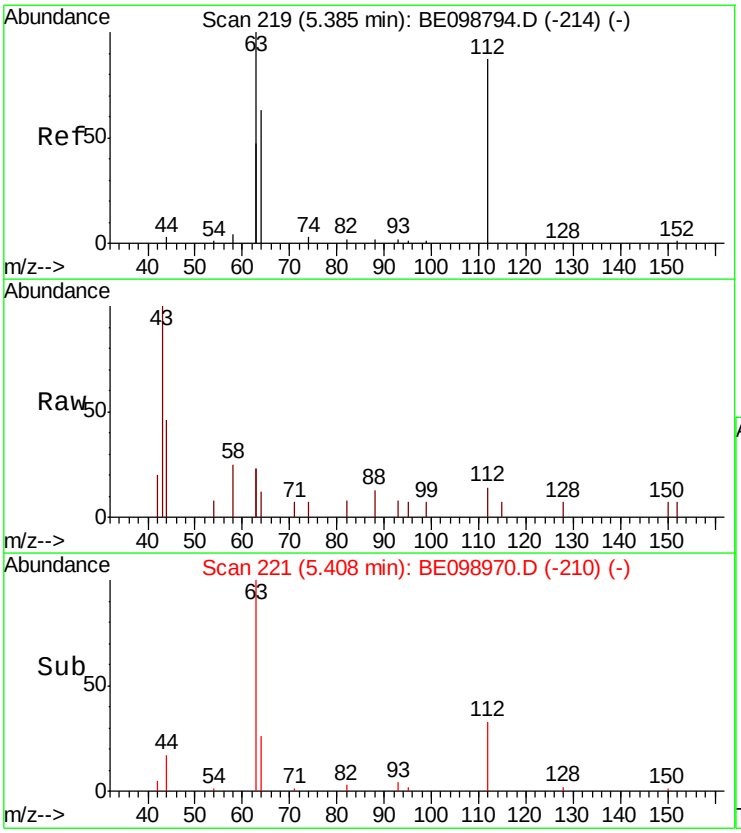
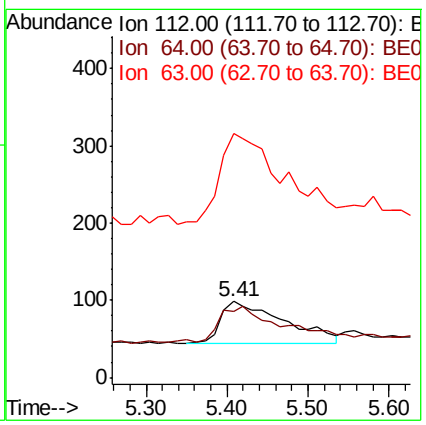
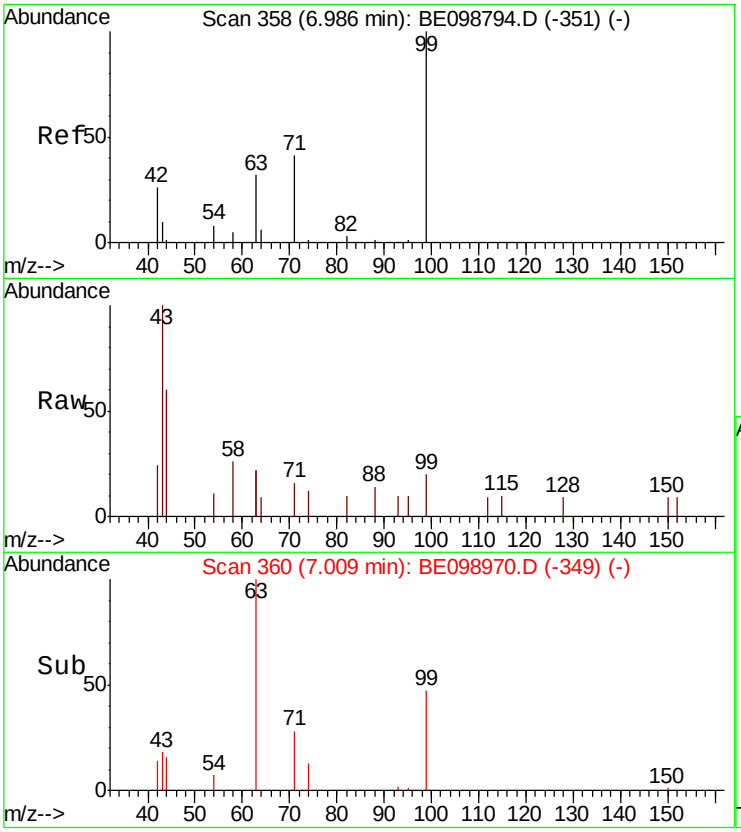


#4
2-Fluorophenol
Concen: 0.129 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.02 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:112 Resp: 296

Ion	Ratio	Lower	Upper
112	100		
64	86.8	57.9	86.9
63	227.7	158.3	237.5





#5
Phenol-d6
Concen: 0.082 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.02 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion: 99 Resp: 265

Ion	Ratio	Lower	Upper
99	100		
42	17.4	24.2	36.2#
71	48.3	35.7	53.5

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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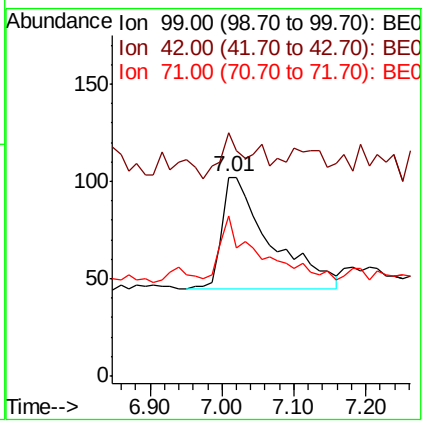
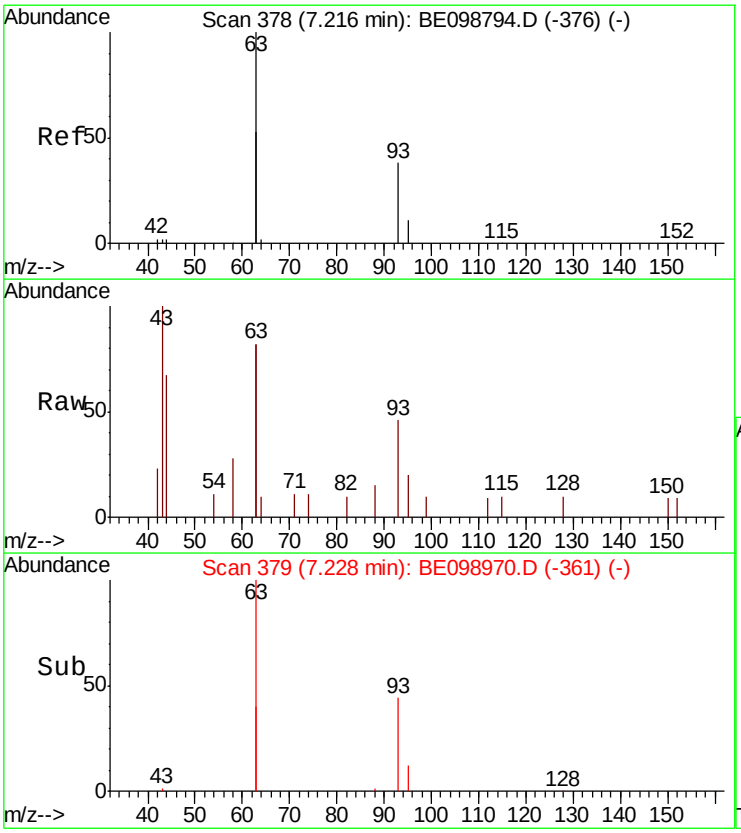
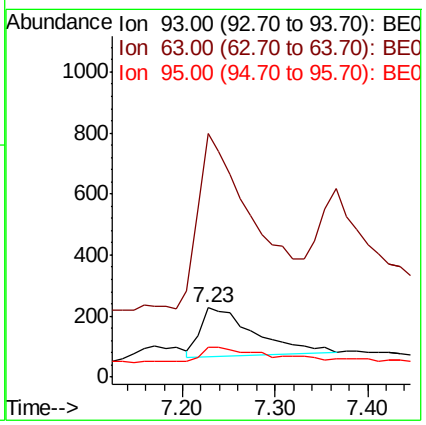


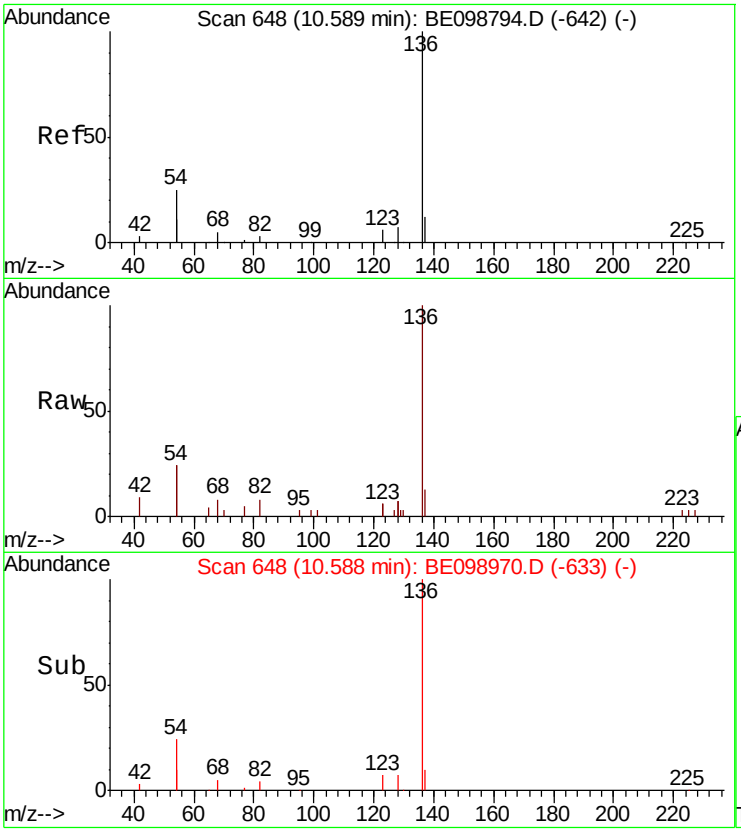


#6
bis(2-Chloroethyl)ether
Concen: 0.260 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion: 93 Resp: 651

Ion	Ratio	Lower	Upper
93	100		
63	373.3	247.5	371.3#
95	35.6	21.8	32.8#

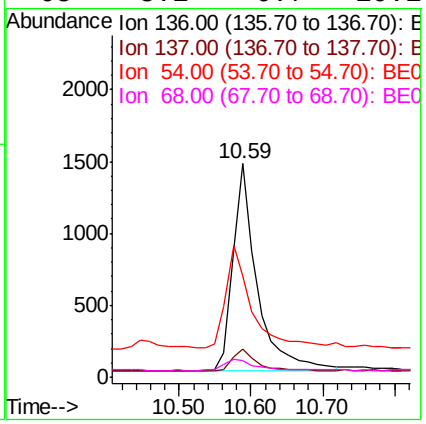




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:136 Resp: 3365

Ion	Ratio	Lower	Upper
136	100		
137	13.1	11.4	17.0
54	47.2	39.3	58.9
68	8.1	6.7	10.1



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ClientSampleId :
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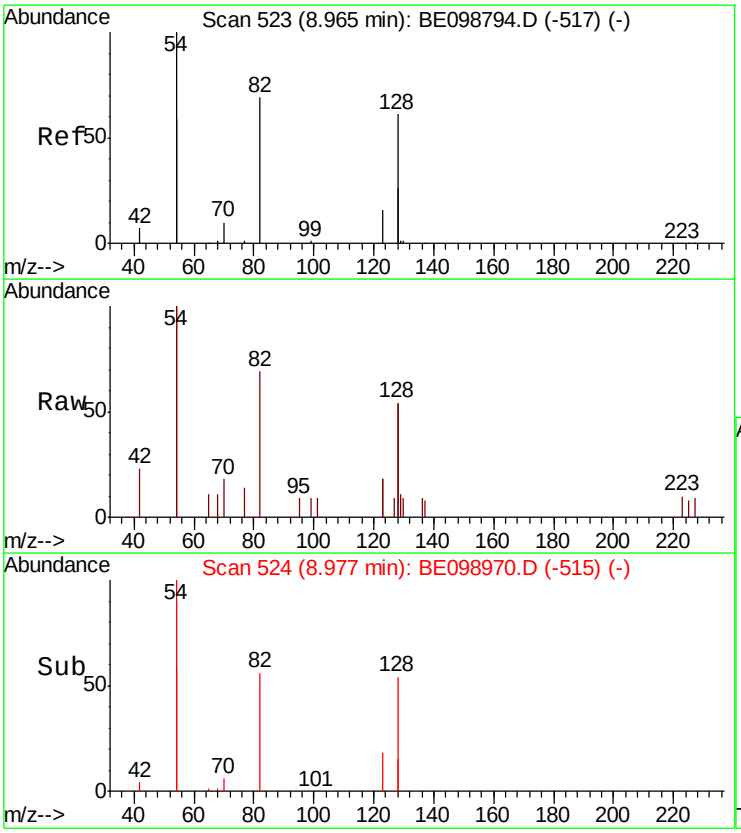
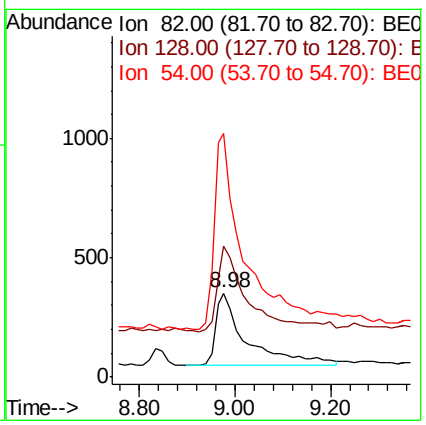
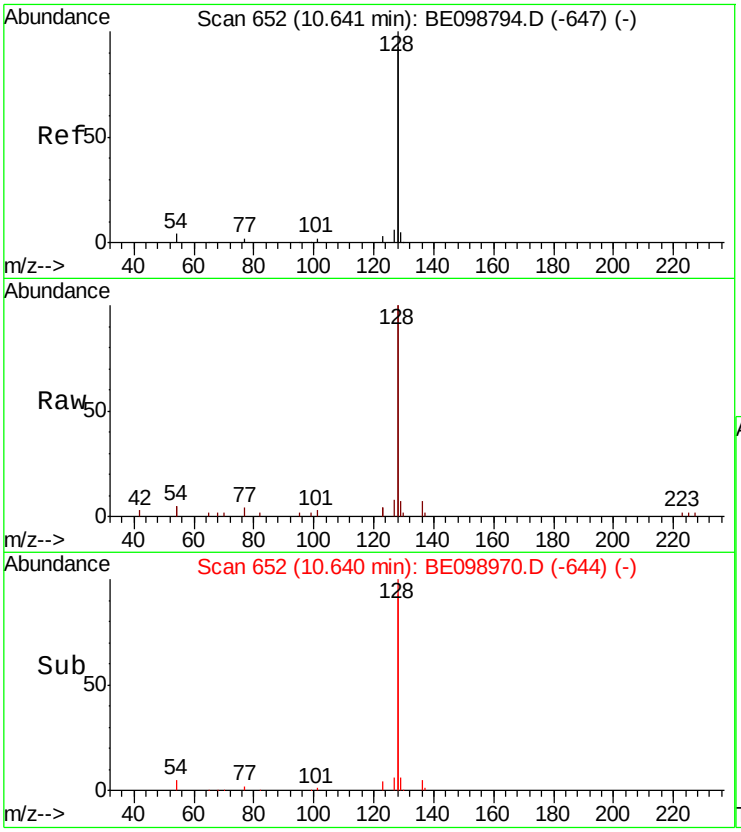


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion: 82 Resp: 1370

Ion	Ratio	Lower	Upper
82	100		
128	156.6	123.8	185.8
54	291.4	203.4	305.2

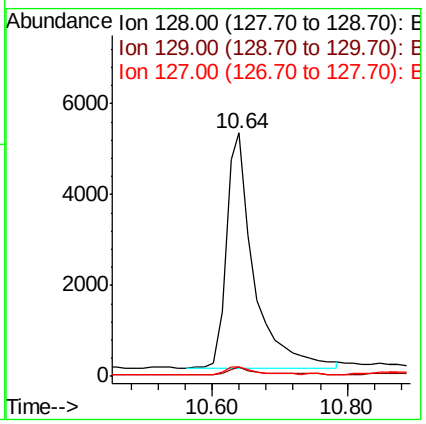




#9
Naphthalene
Concen: 0.379 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:128 Resp: 14603

Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.6	4.0
127	3.9	3.1	4.7



Instrument :
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ClientSampleId :
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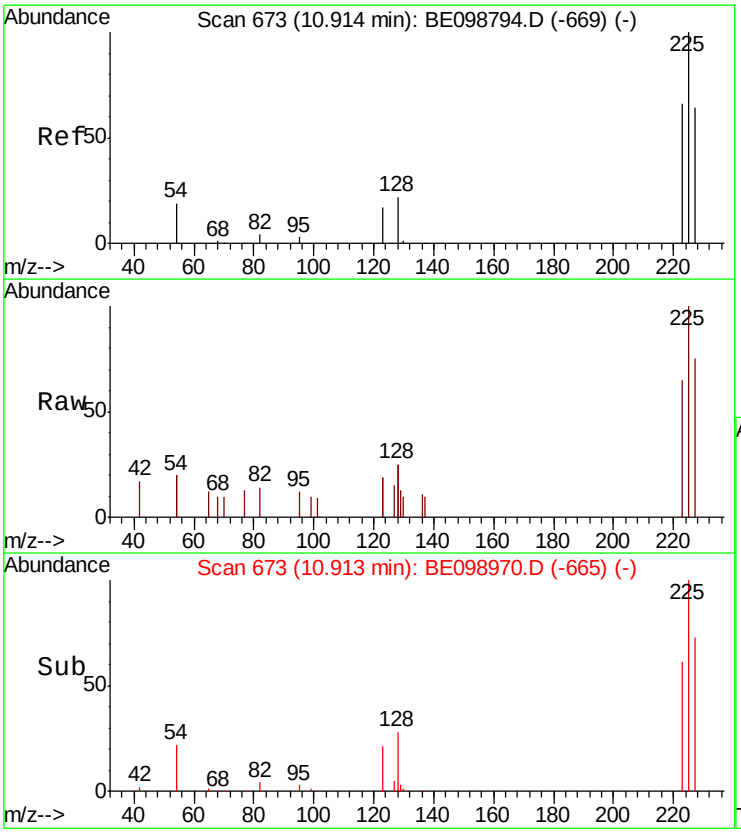
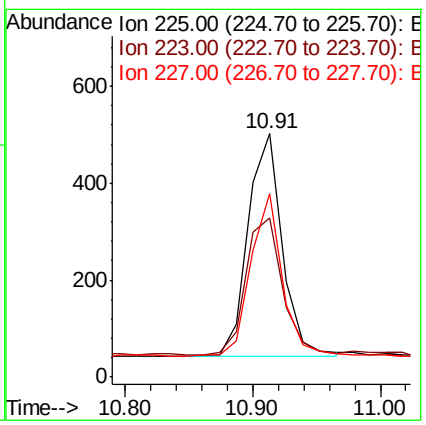
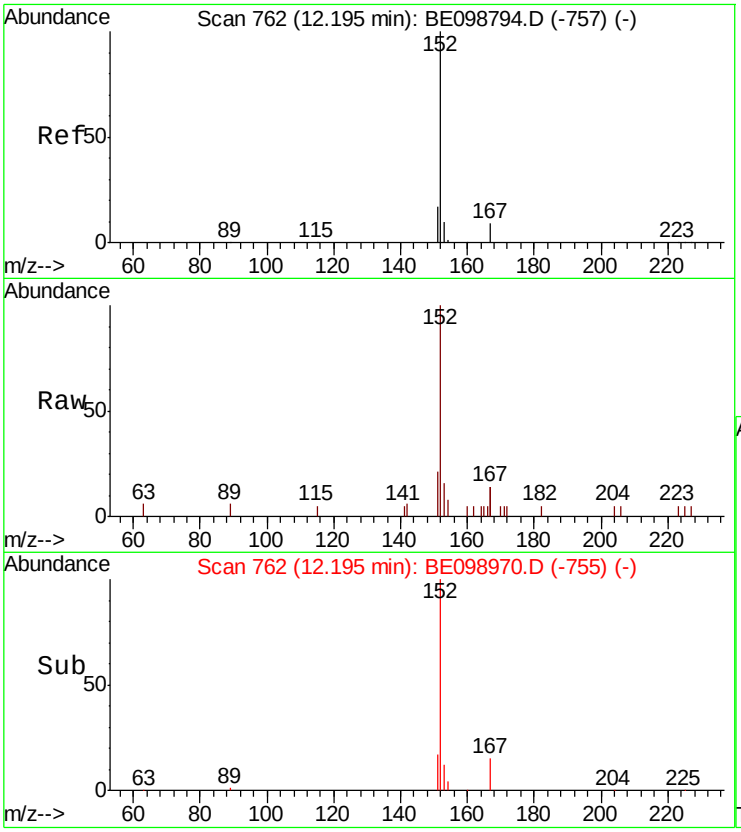


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:225 Resp: 850

Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.1	76.7
227	66.7	51.6	77.4

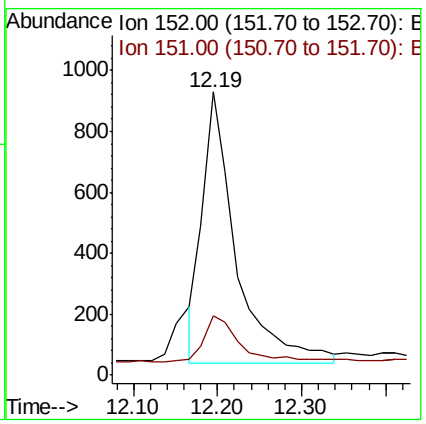




#11
2-Methylnaphthalene-d10
Concen: 0.396 ng m
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:152 Resp: 2464

Ion	Ratio	Lower	Upper
152	100		
151	17.7	16.5	24.7



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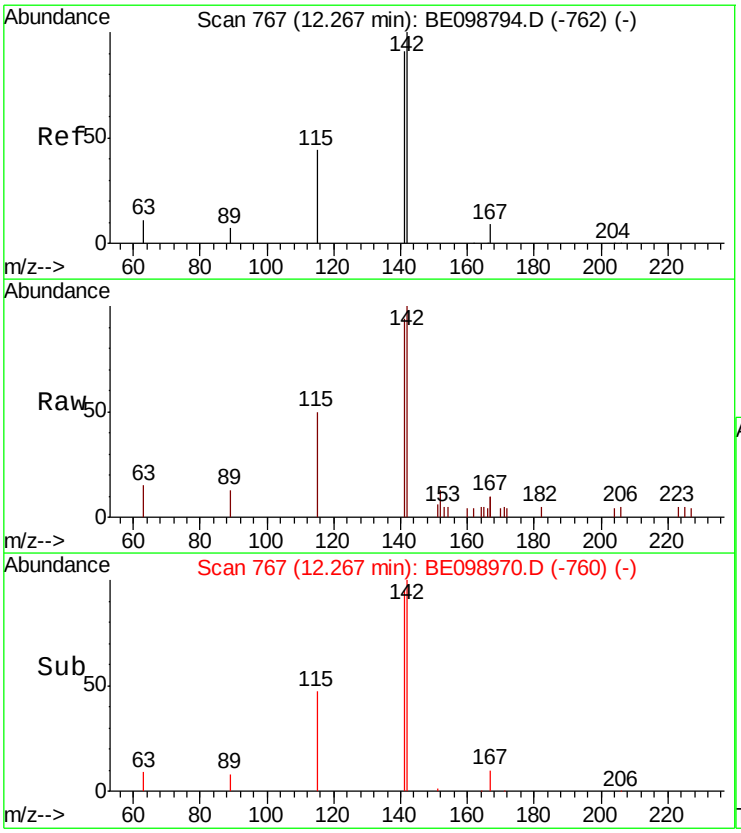
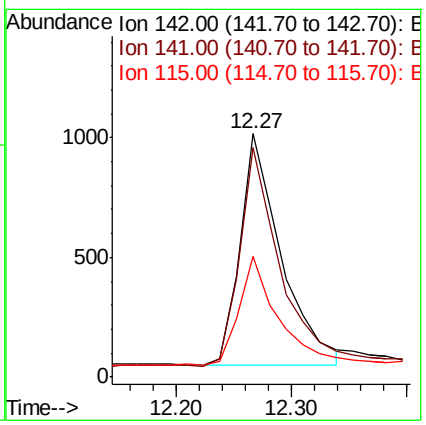
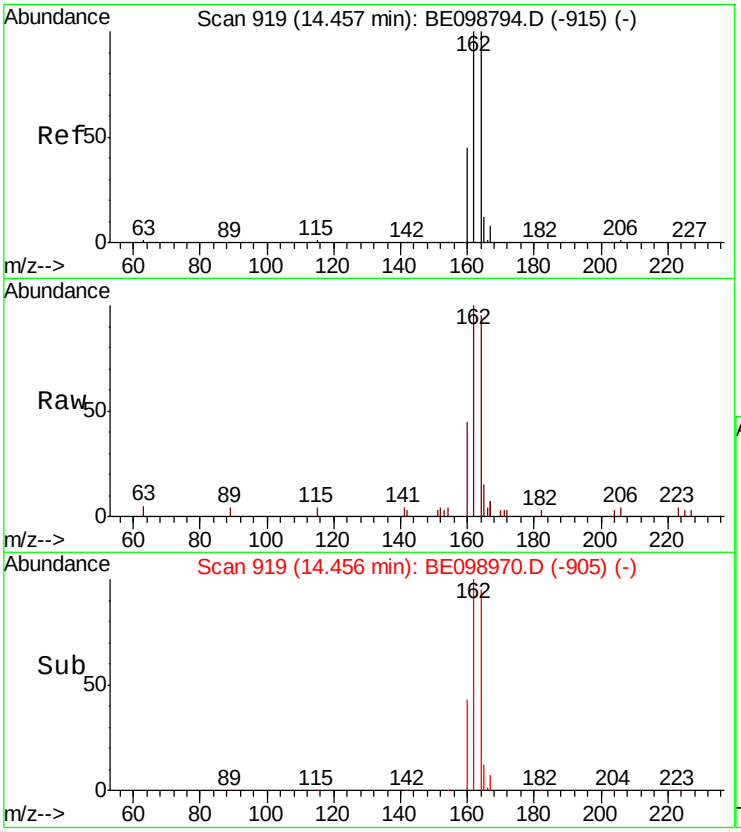


#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:142 Resp: 2379

Ion	Ratio	Lower	Upper
142	100		
141	94.3	72.6	108.8
115	49.5	37.4	56.2

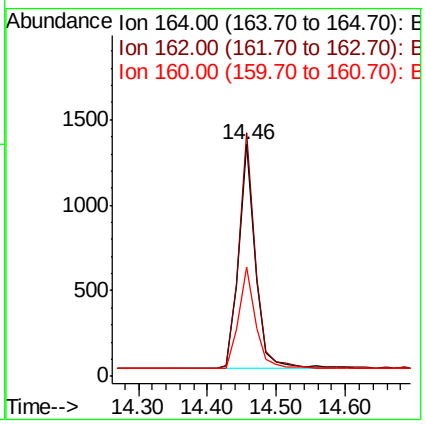




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:164 Resp: 2179

Ion	Ratio	Lower	Upper
164	100		
162	105.2	80.2	120.2
160	47.3	37.8	56.8



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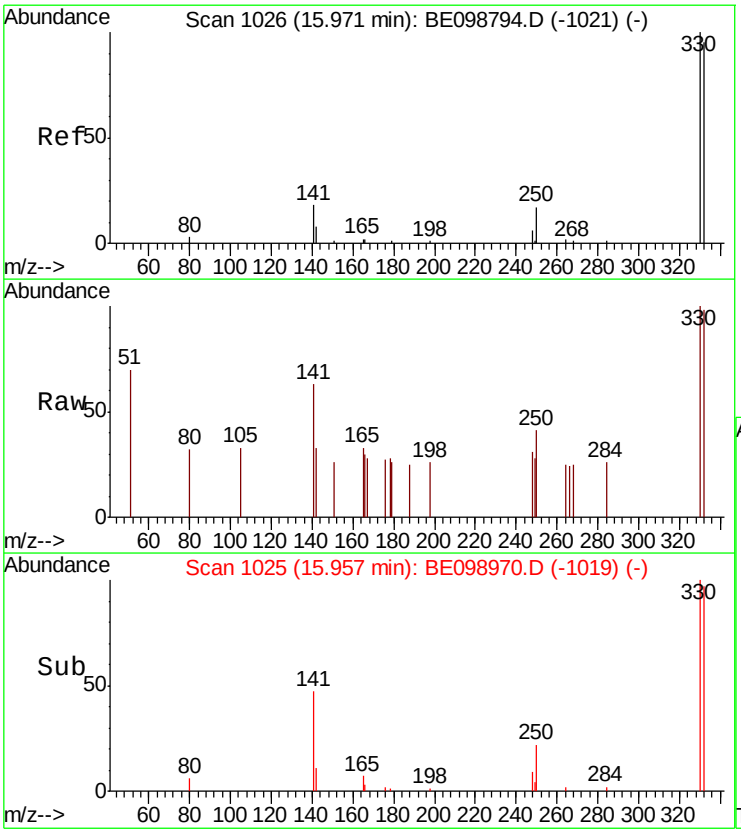
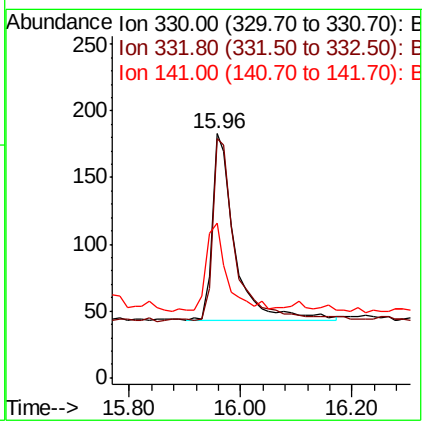
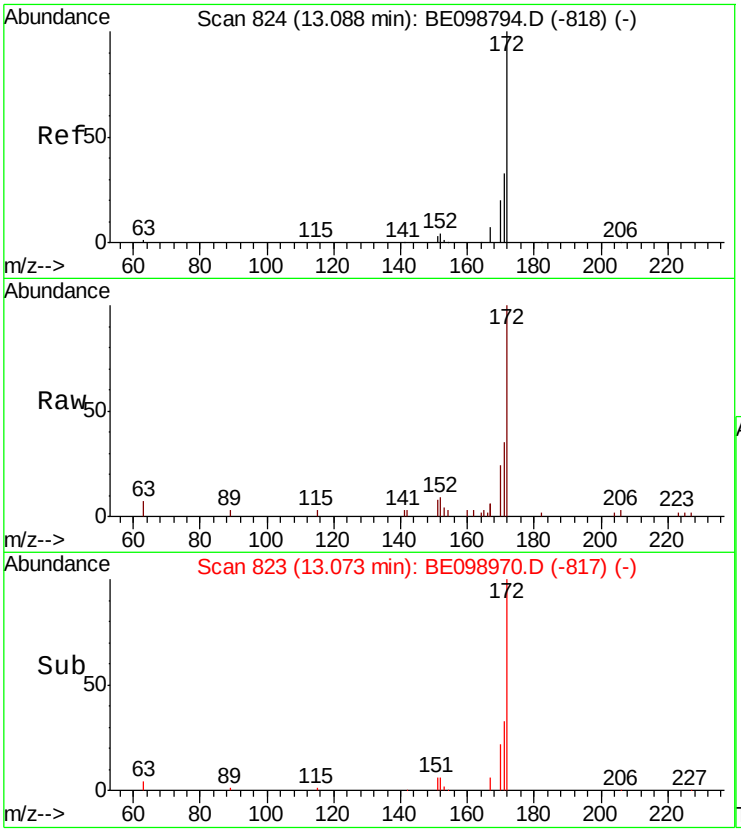


#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:330 Resp: 402

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.6	116.4
141	42.0	31.0	46.4

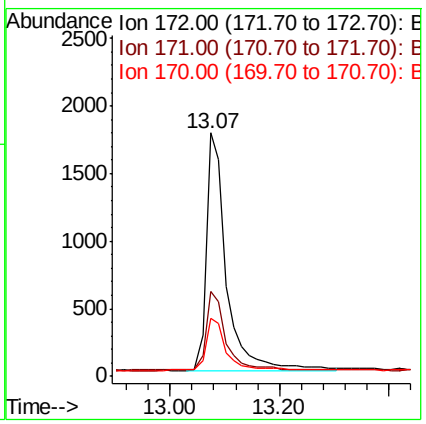




#15
2-Fluorobiphenyl
Concen: 0.498 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:172 Resp: 4491

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	23.7	17.7	26.5



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

Manual Integrations APPROVED
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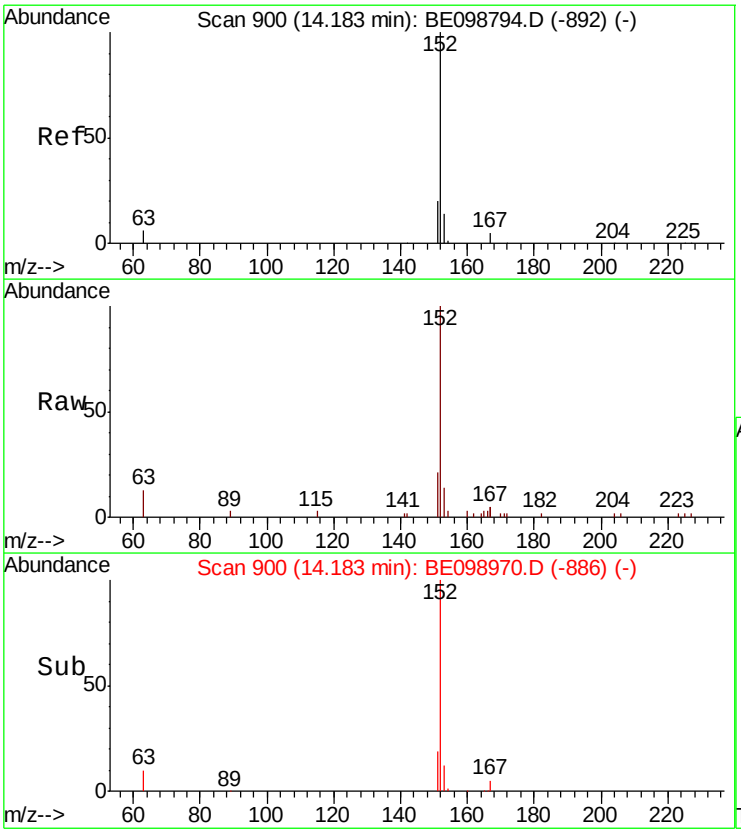
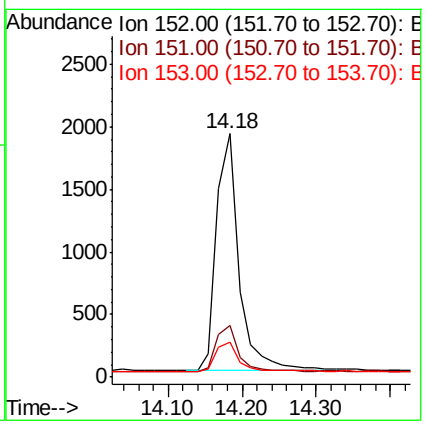
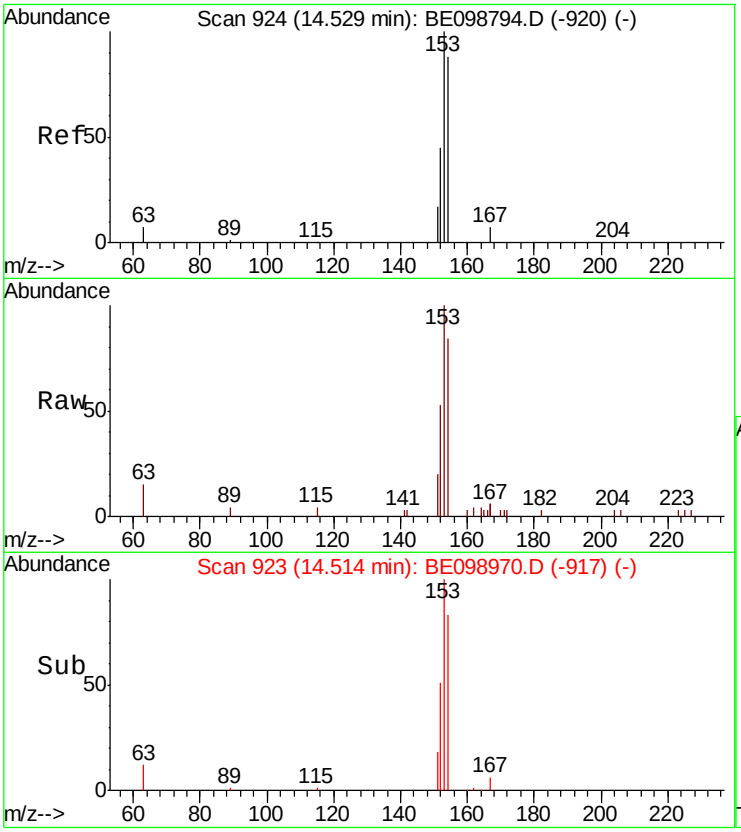


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:152 Resp: 4037

Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.0	25.6
153	12.5	11.2	16.8

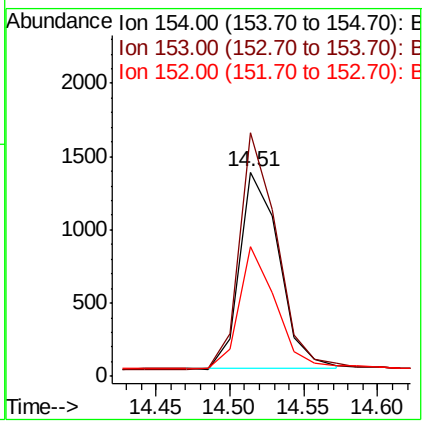




#17
Acenaphthene
Concen: 0.375 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:154 Resp: 2496

Ion	Ratio	Lower	Upper
154	100		
153	114.0	94.2	141.4
152	56.7	45.0	67.4



Instrument :
BNA_E
ClientSampleId :
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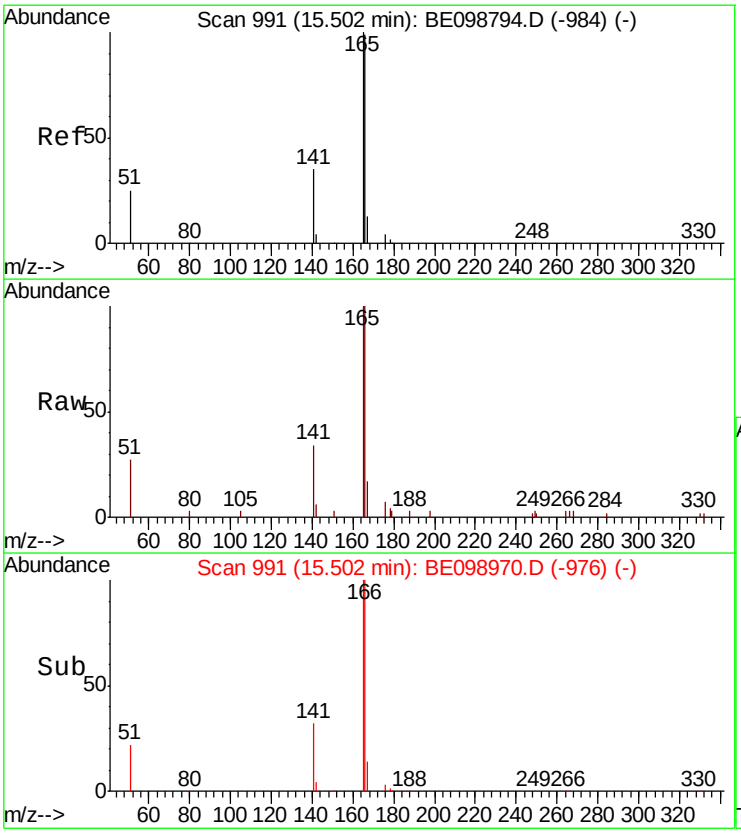
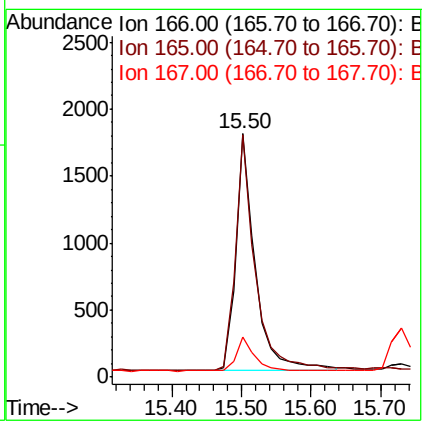
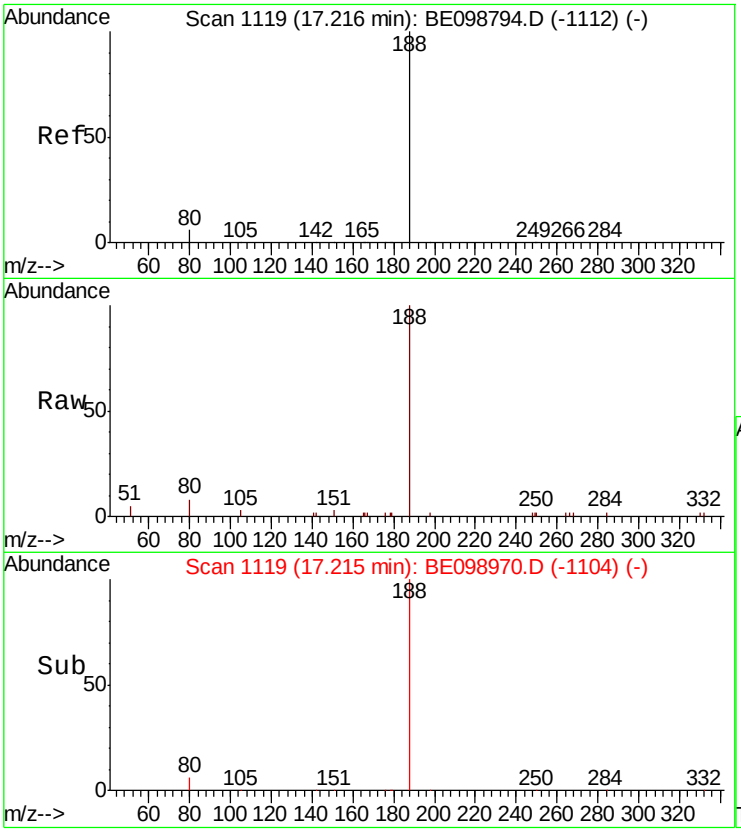


#18
Fluorene
Concen: 0.360 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:166 Resp: 3449

Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.3	118.9
167	14.3	10.5	15.7

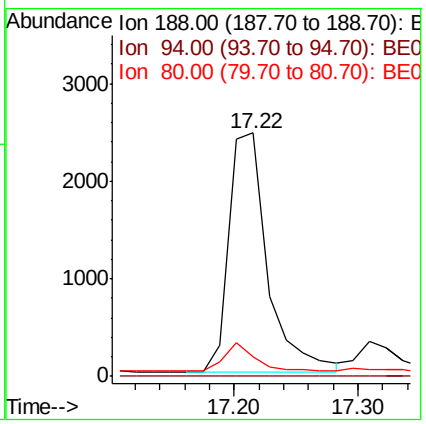




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:188 Resp: 5296

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.3	9.5



Instrument :
BNA_E
ClientSampleId :
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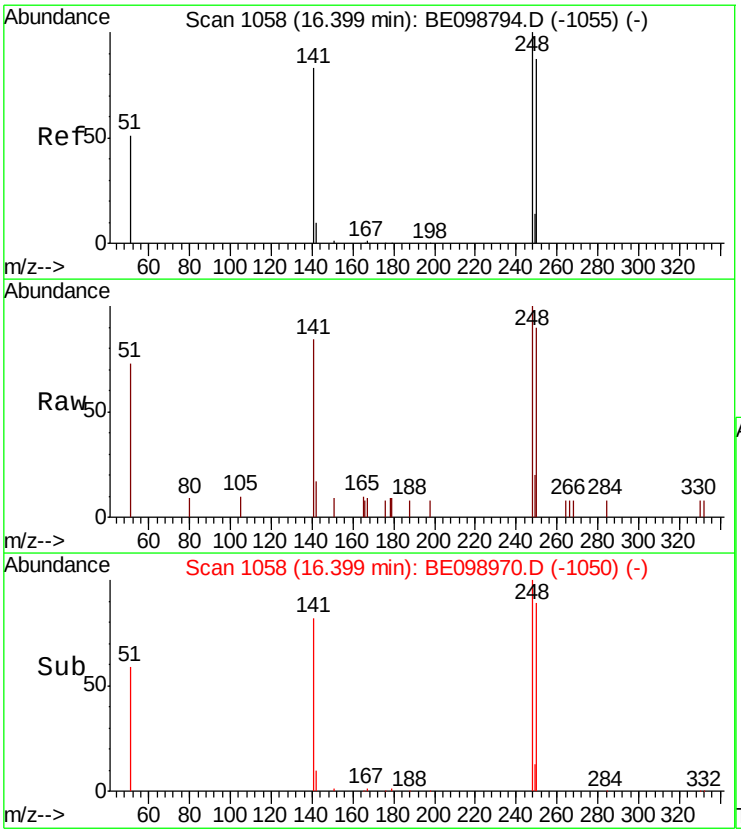
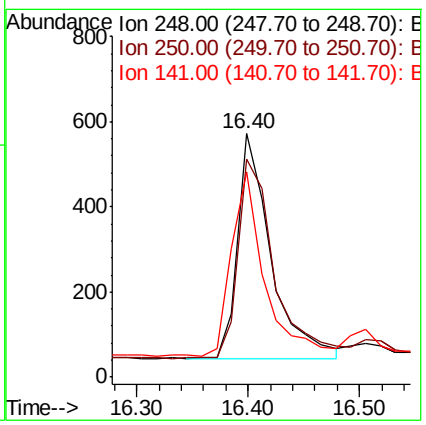
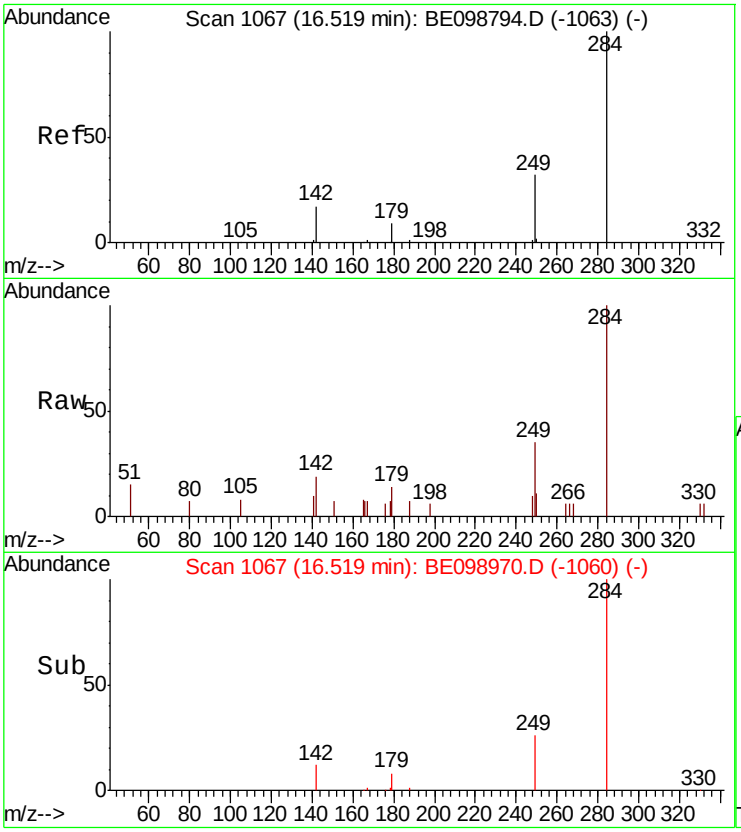


#20
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:248 Resp: 1095

Ion	Ratio	Lower	Upper
248	100		
250	89.5	70.6	105.8
141	84.4	68.6	102.8





#21
Hexachlorobenzene
Concen: 0.361 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:284 Resp: 1233

Ion	Ratio	Lower	Upper
284	100		
142	39.4	28.7	43.1
249	37.6	29.6	44.4

Instrument :
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ClientSampleId :
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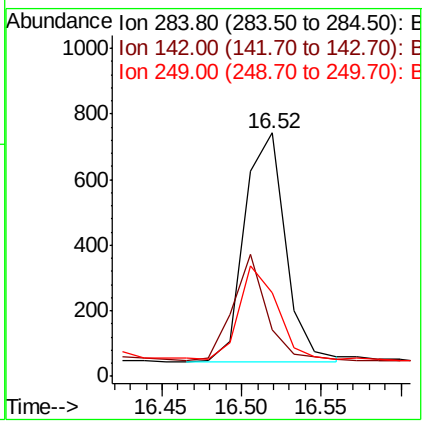
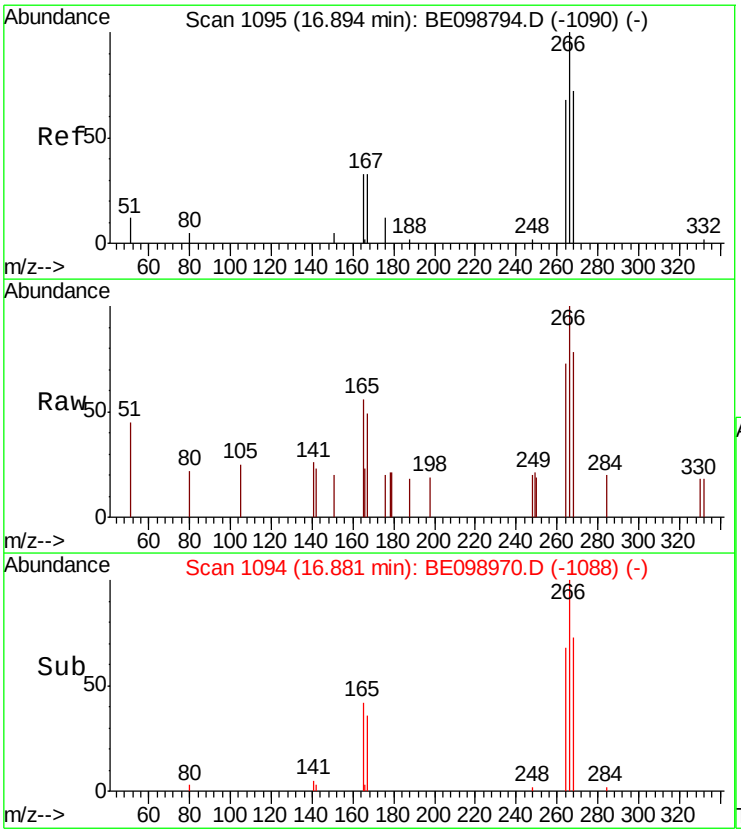
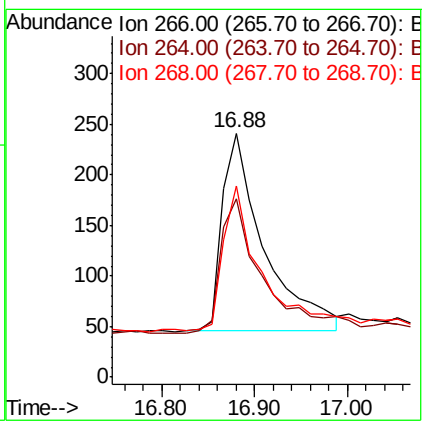


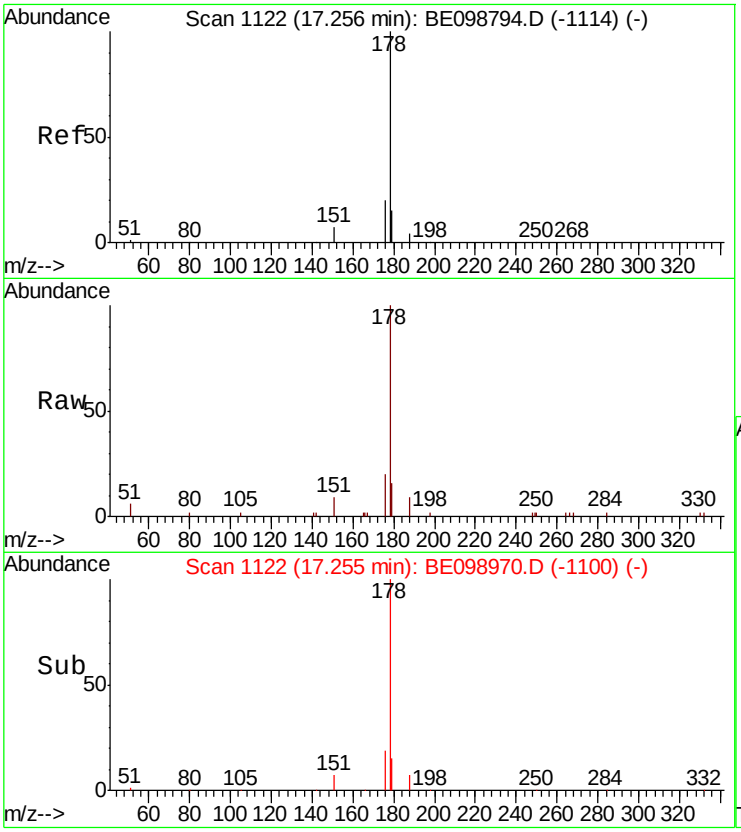


#22
Pentachlorophenol
Concen: 0.787 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:266 Resp: 607

Ion	Ratio	Lower	Upper
266	100		
264	73.0	66.6	100.0
268	78.4	69.8	104.8

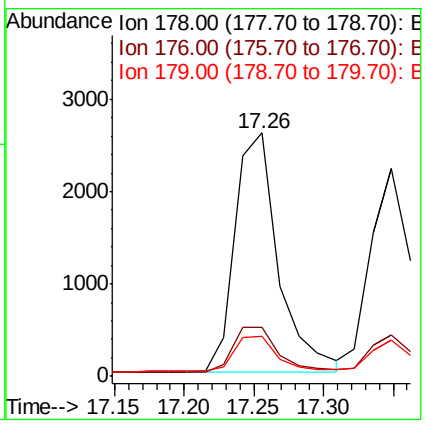




#23
Phenanthrene
Concen: 0.371 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:178 Resp: 5581

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.0	24.0
179	15.1	12.1	18.1



Instrument :
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ClientSampleId :
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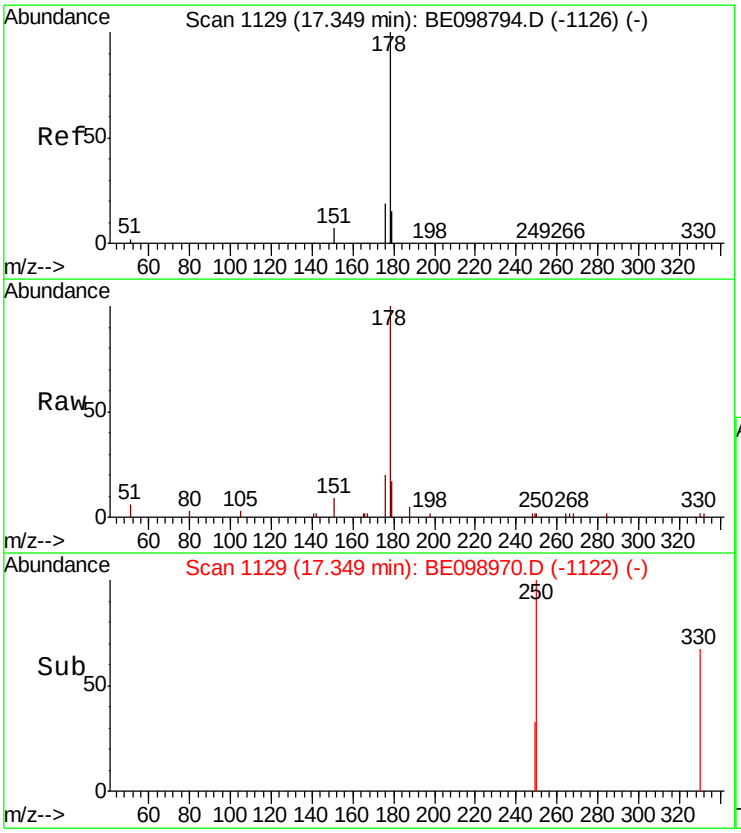
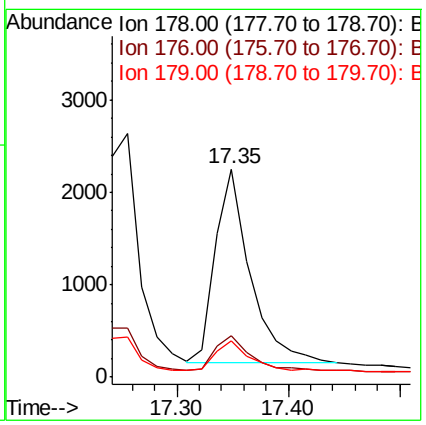
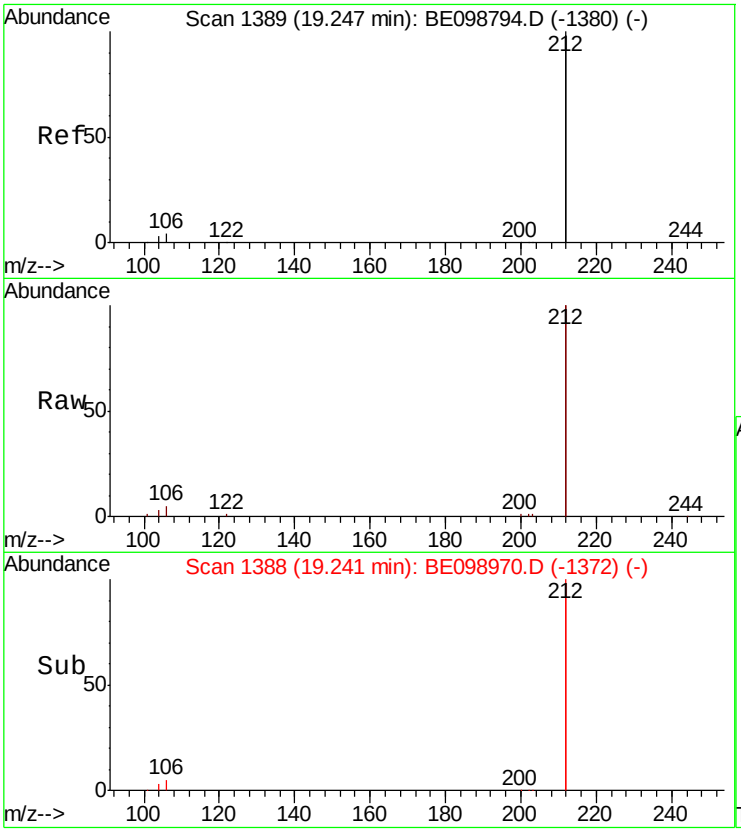


#24
Anthracene
Concen: 0.351 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:178 Resp: 4512

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.0	12.2	18.4

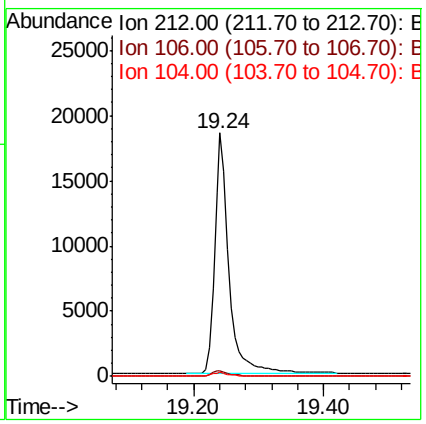




#25
Fluoranthene-d10
Concen: 0.345 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:212 Resp: 29161

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.0	1.6



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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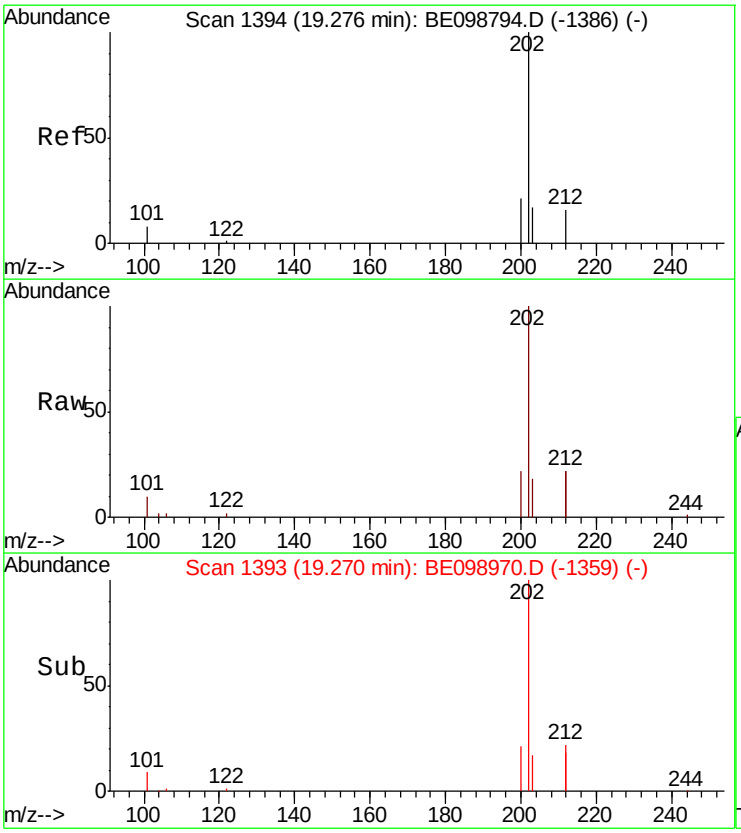
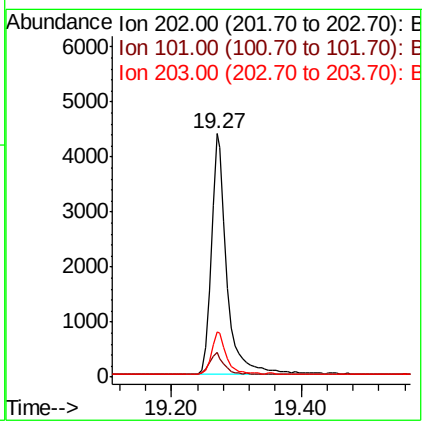
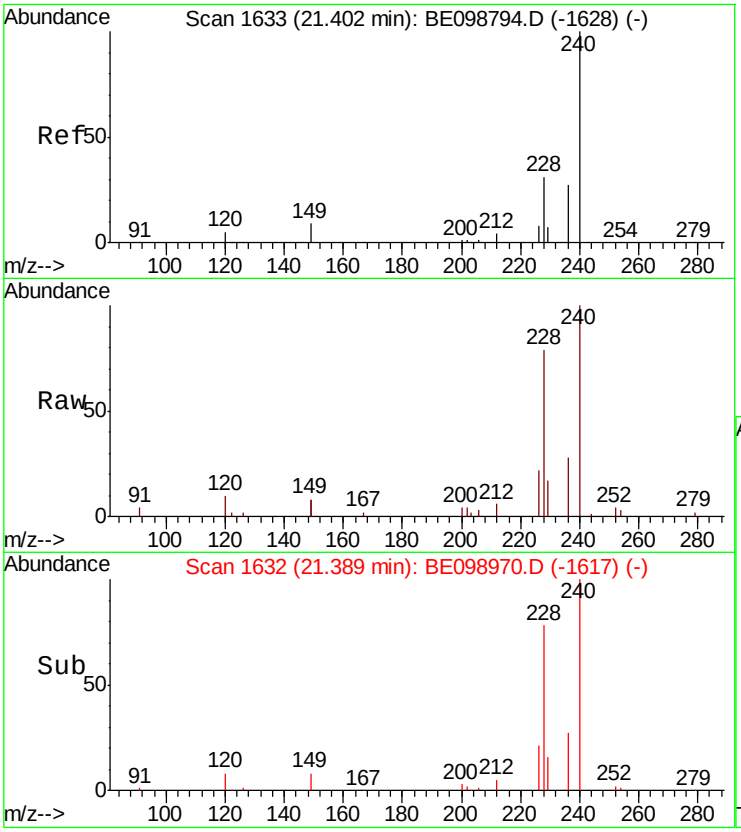


#26
Fluoranthene
Concen: 0.351 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:202 Resp: 7450

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.3	10.9
203	16.7	13.4	20.2

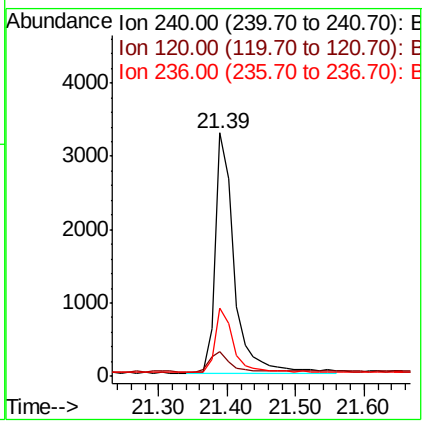




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:240 Resp: 6279

Ion	Ratio	Lower	Upper
240	100		
120	10.3	5.0	7.4#
236	27.9	22.7	34.1



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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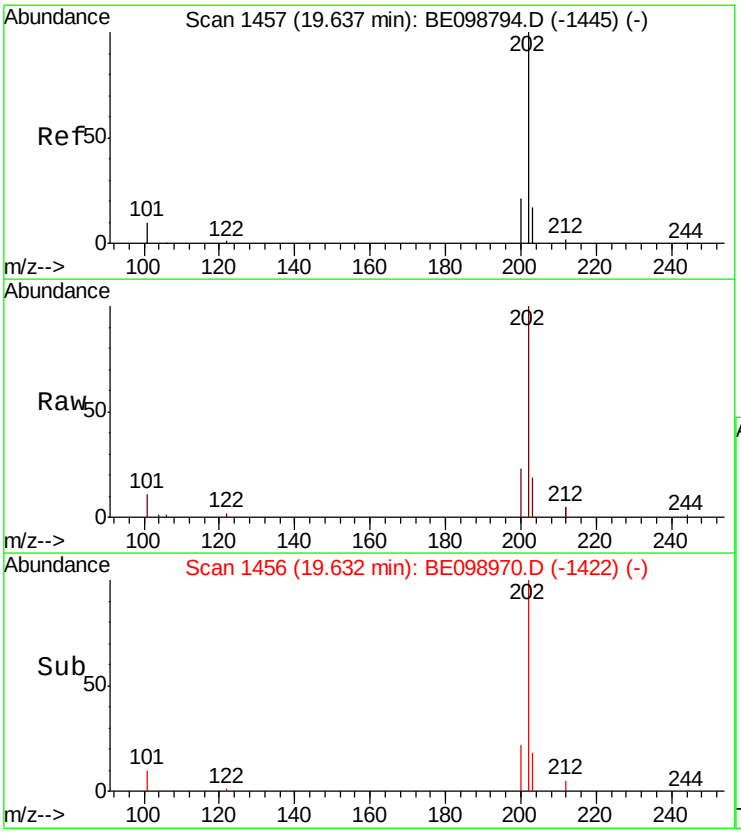
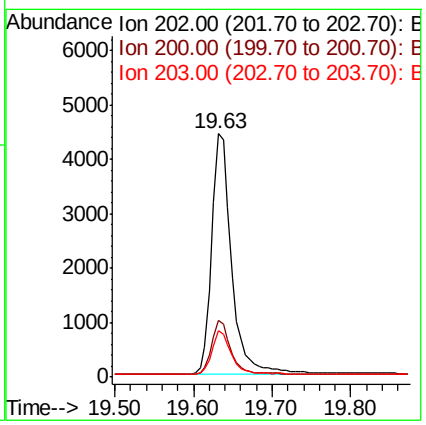
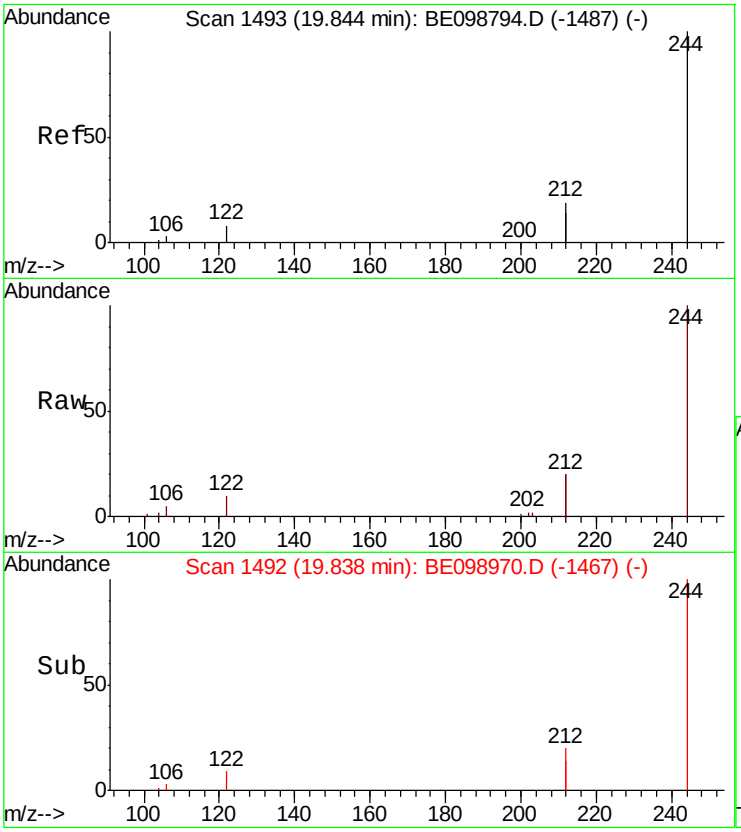


#28
Pyrene
Concen: 0.400 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:202 Resp: 7686

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.6	14.2	21.2

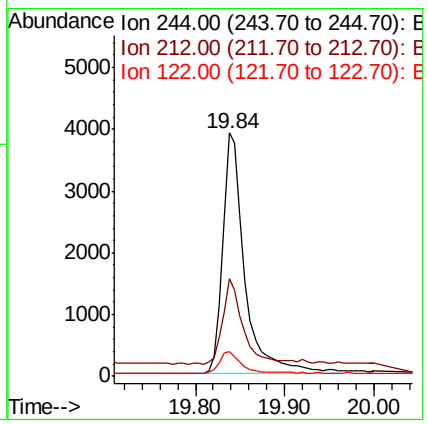




#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:244 Resp: 6628

Ion	Ratio	Lower	Upper
244	100		
212	39.9	29.4	44.2
122	10.3	7.1	10.7



Instrument :
BNA_E
ClientSampleId :
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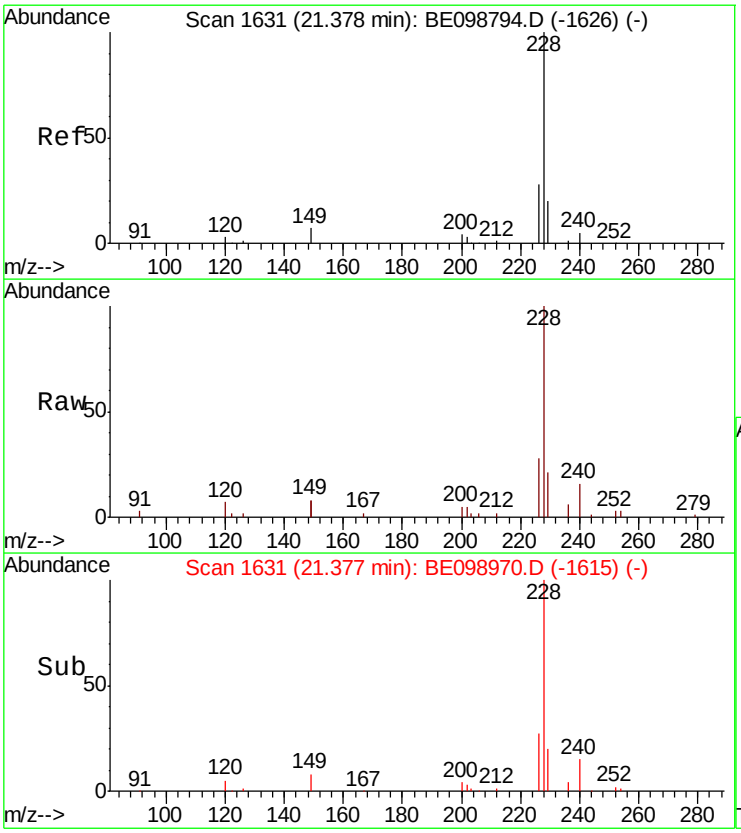
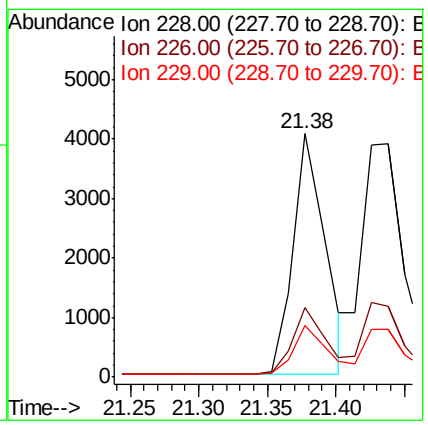
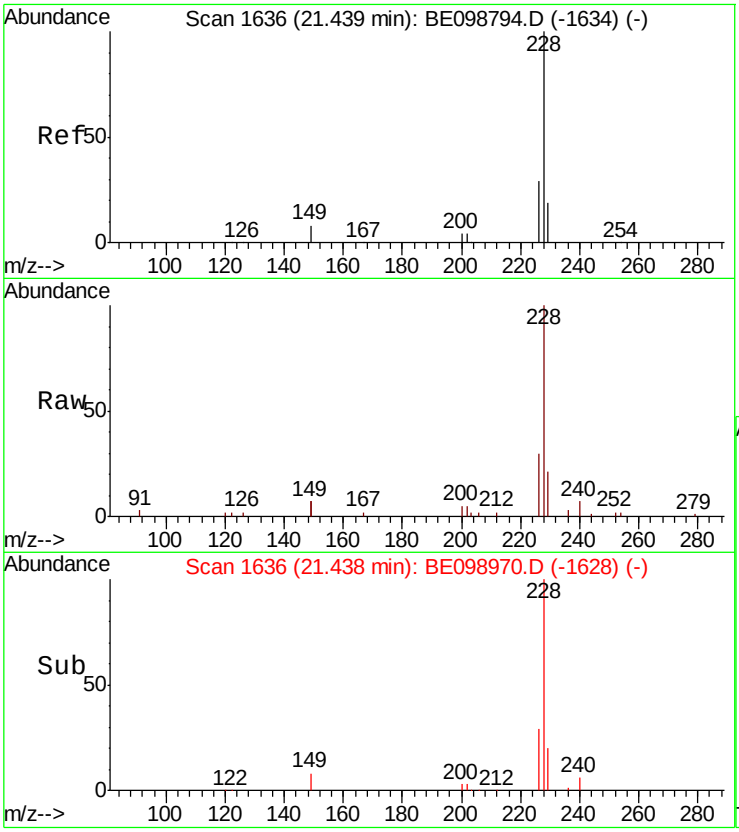


#30
Benzo(a)anthracene
Concen: 0.335 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:228 Resp: 6565

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	21.1	16.5	24.7

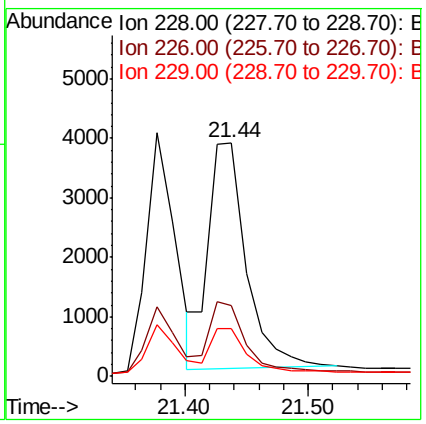




#31
Chrysene
Concen: 0.393 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:228 Resp: 8238

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	20.7	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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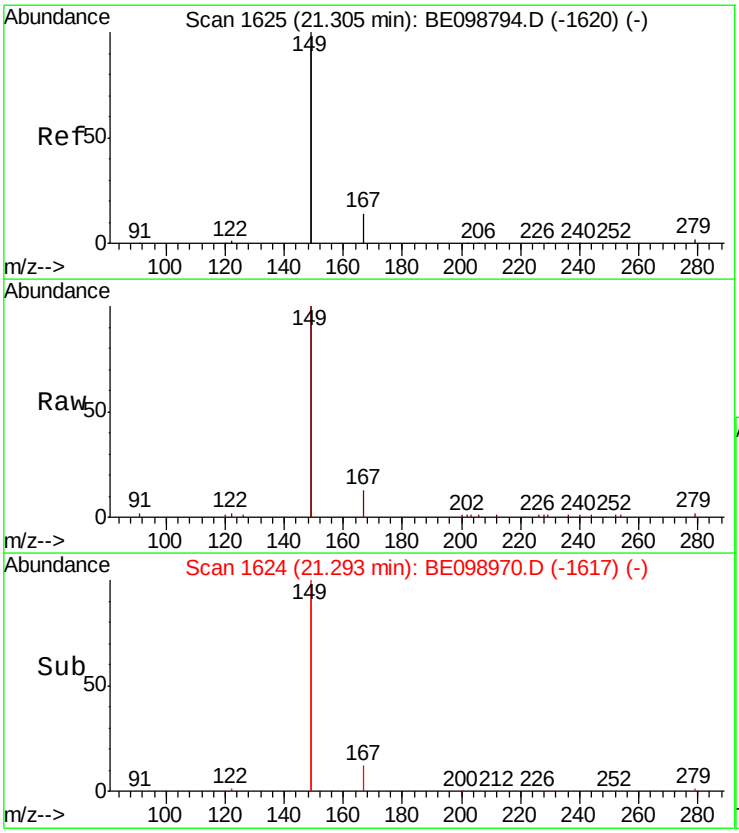
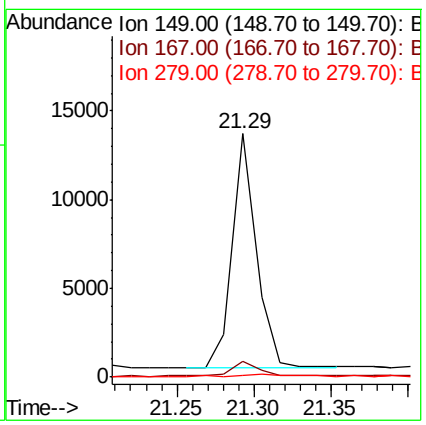
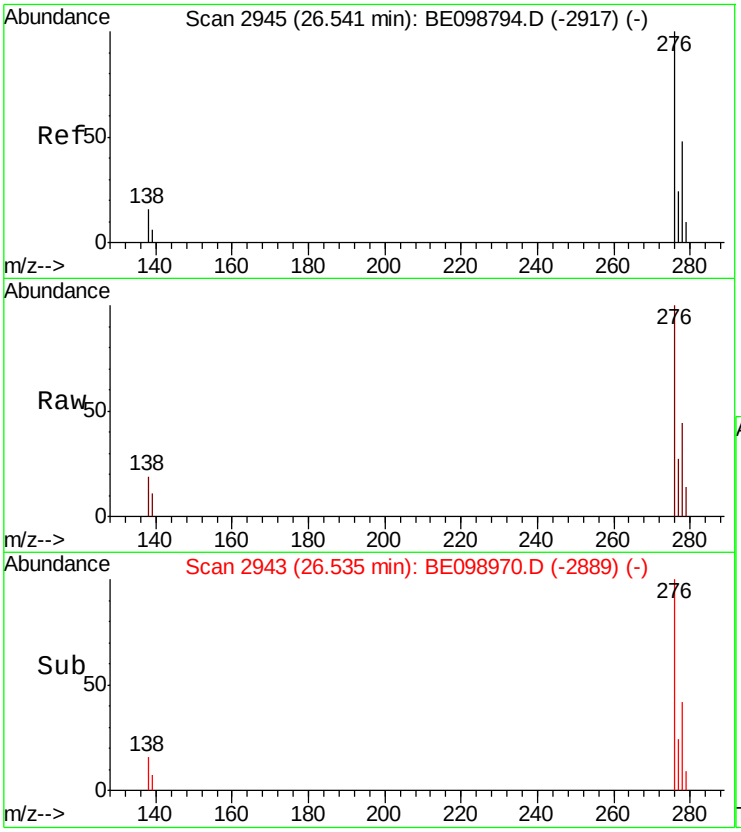


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.345 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:149 Resp: 14393

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.0	1.0	1.4

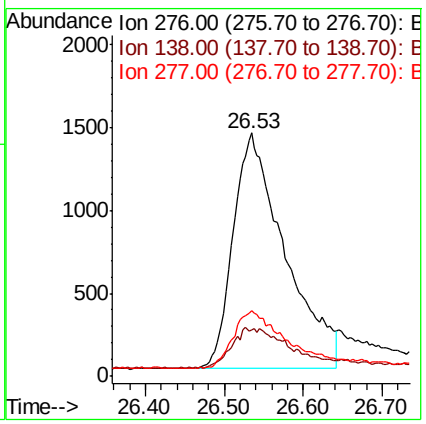




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.293 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:276 Resp: 6484

Ion	Ratio	Lower	Upper
276	100		
138	6.5	13.8	20.8#
277	25.9	19.5	29.3



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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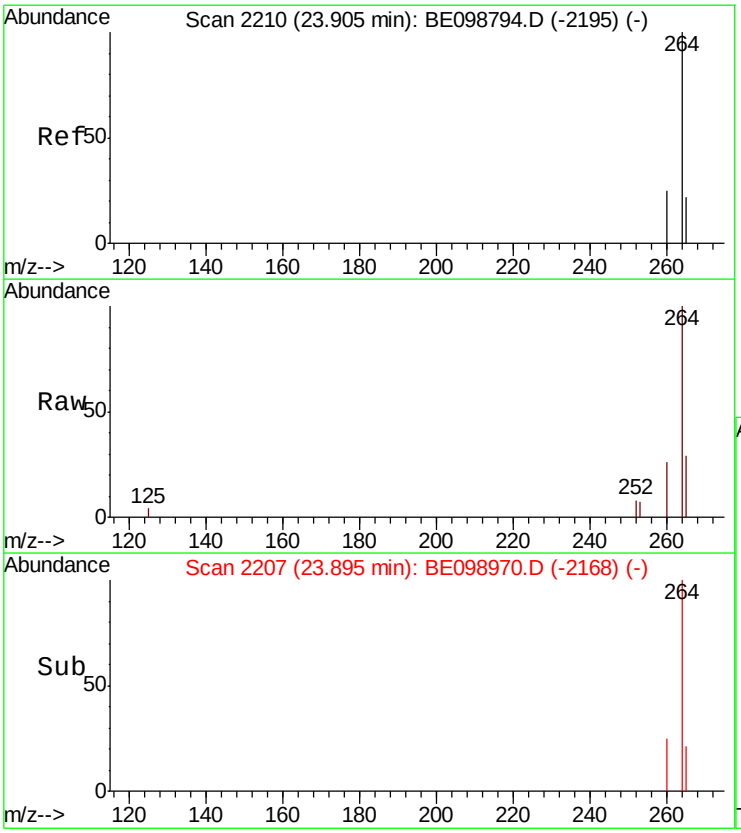
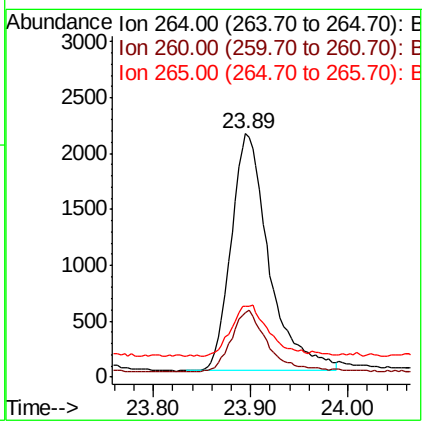
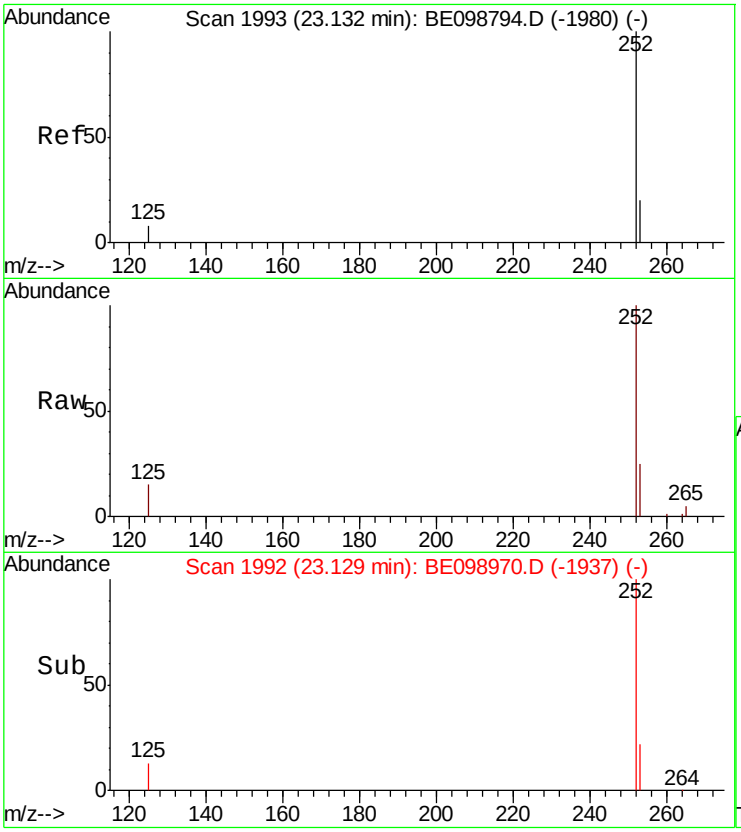


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:264 Resp: 5761

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.2	31.8
265	29.3	24.6	36.8





#35
Benzo(b)fluoranthene
Concen: 0.363 ng m
RT: 23.13 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:252 Resp: 6876

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.2	27.2
125	15.0	7.3	10.9#

Instrument :
BNA_E
ClientSampleId :
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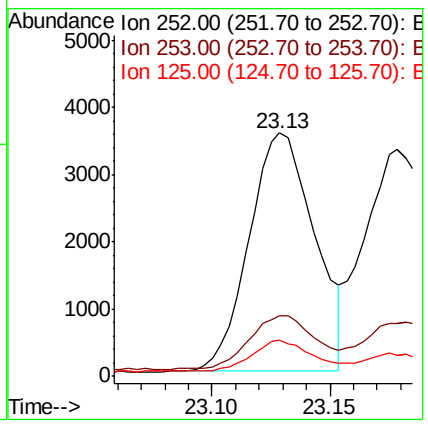
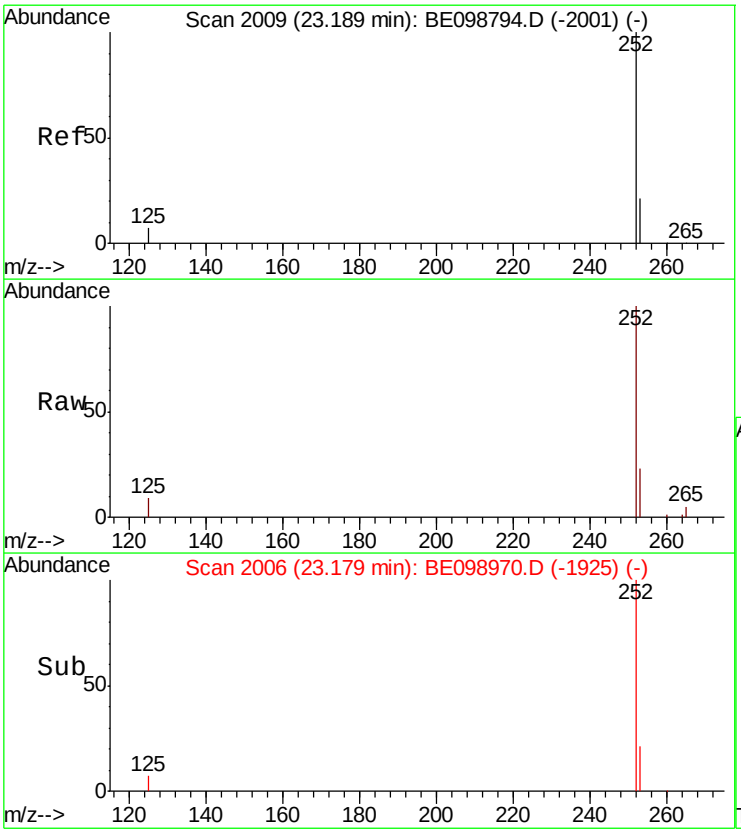
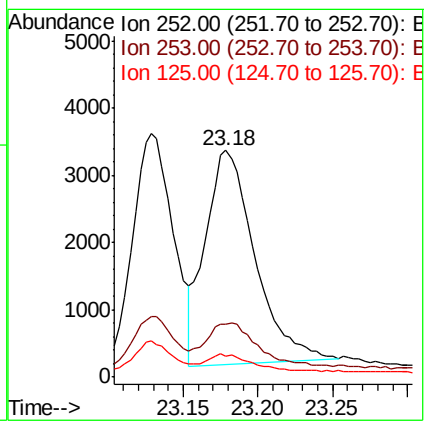


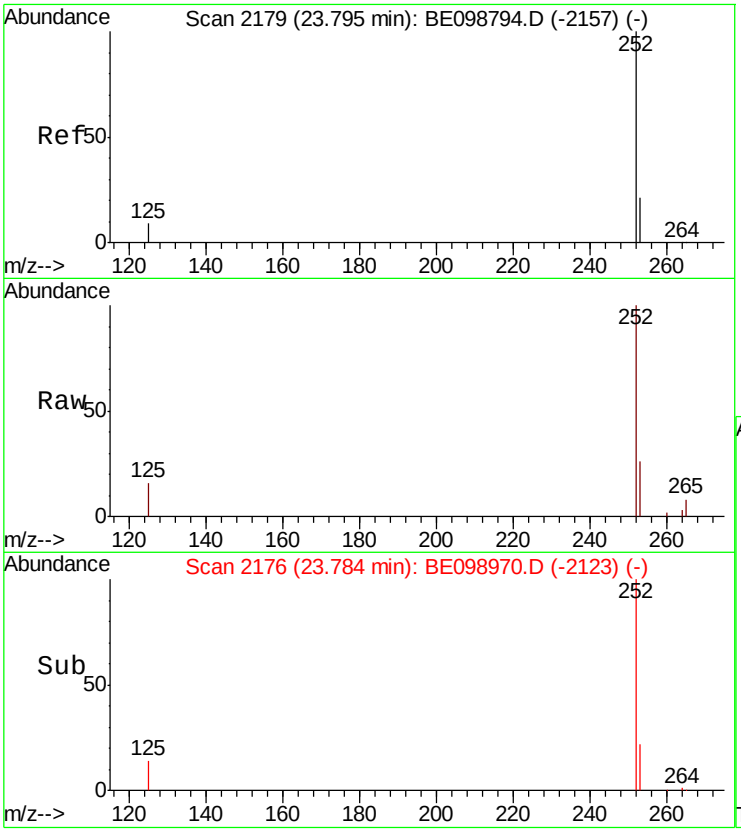


#36
Benzo(k)fluoranthene
Concen: 0.369 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:252 Resp: 7319

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.3	28.9
125	9.4	7.5	11.3





#37
Benzo(a)pyrene
Concen: 0.397 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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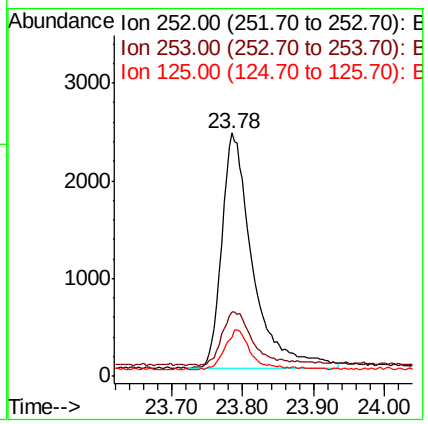
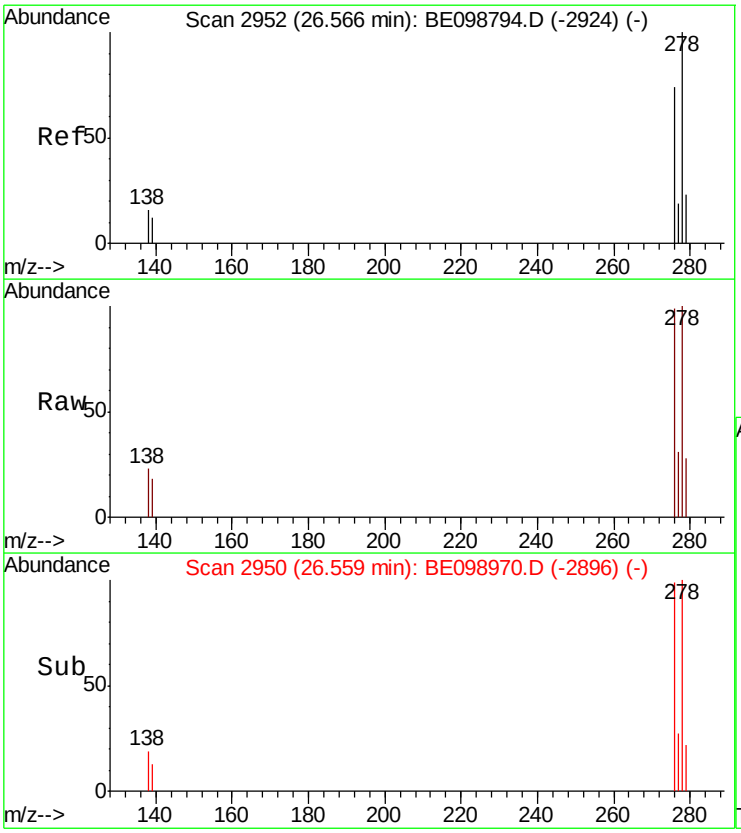
Tgt Ion:252 Resp: 7205

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.9	29.9
125	16.1	9.0	13.4#

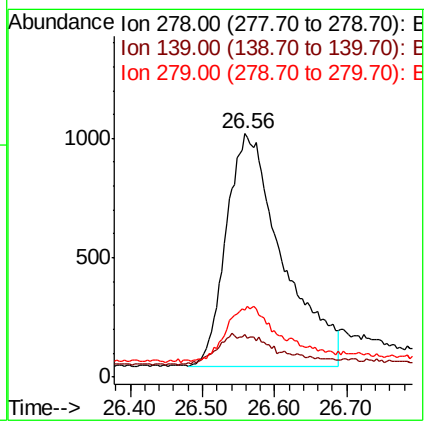


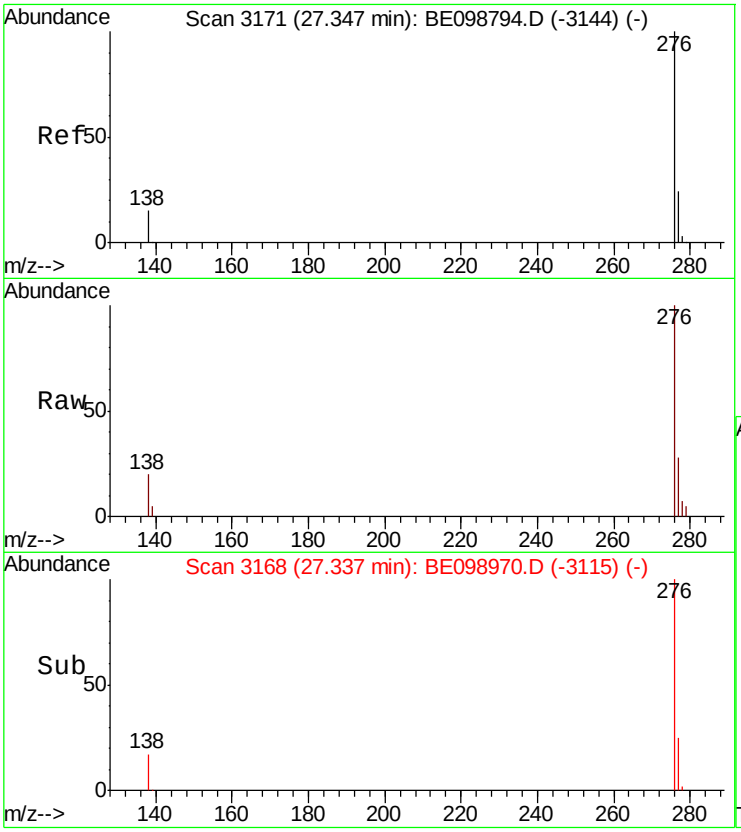


#38
Dibenzo(a,h)anthracene
Concen: 0.302 ng
RT: 26.56 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:278 Resp: 5188

Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.8	17.6#
279	27.5	21.1	31.7

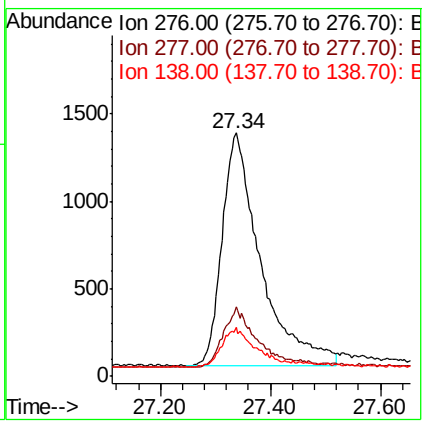




#39
Benzo(g,h,i)perylene
Concen: 0.360 ng
RT: 27.34 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BE098970.D
Acq: 15 Mar 2019 12:50

Tgt Ion:276 Resp: 6463

Ion	Ratio	Lower	Upper
276	100		
277	28.4	20.4	30.6
138	20.0	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304D-20190312MS

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