Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
Data File : BE098259.D
Acq On : 21 Nov 2018 12:46
Operator : SJ/JU
Sample : J5996-07MS 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : AOC8-01R-C

Manual Integrations APPROVED
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Quant Time: Nov 22 00:24:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1473	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	6922	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4522	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	10182	0.40	ng		0.00
27) Chrysene-d12	21.46	240	11212	0.40	ng		0.00
34) Perylene-d12	24.01	264	10742	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	170	0.04	ng		0.00
5) Phenol-d6	7.04	99	307	0.05	ng		0.00
8) Nitrobenzene-d5	9.03	82	314	0.05	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	630	0.05	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	92	0.06	ng		-0.01
15) 2-Fluorobiphenyl	13.15	172	753	0.04	ng		0.00
25) Fluoranthene-d10	19.31	212	5144	0.04	ng		0.00
29) Terphenyl-d14	19.91	244	1124	0.04	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	77	0.033	ng	#	31
3) n-Nitrosodimethylamine	3.70	42	129	0.050	ng	#	71
6) bis(2-Chloroethyl)ether	7.28	93	257	0.048	ng	#	86
9) Naphthalene	10.72	128	12179	0.173	ng	#	98
10) Hexachlorobutadiene	11.00	225	164	0.040	ng	#	90
12) 2-Methylnaphthalene	12.34	142	2526	0.203	ng		94
16) Acenaphthylene	14.26	152	12347	0.574	ng		97
17) Acenaphthene	14.60	154	2550	0.198	ng		98
18) Fluorene	15.57	166	5178	0.316	ng		96
20) 4-Bromophenyl-phenylether	16.46	248	283	0.045	ng	#	31
21) Hexachlorobenzene	16.58	284	241	0.037	ng	#	56
22) Pentachlorophenol	16.94	266	140	0.210	ng		94
23) Phenanthrene	17.32	178	40928	1.562	ng		98
24) Anthracene	17.41	178	12859	0.540	ng		98
26) Fluoranthene	19.34	202	109360	3.479	ng		99
28) Pyrene	19.70	202	105221	3.210	ng		96
30) Benzo(a)anthracene	21.45	228	71214	2.196	ng		92
31) Chrysene	21.50	228	58201	1.744	ng		95
32) Bis(2-ethylhexyl)phthalate	21.37	149	12925	0.256	ng	#	94
33) Indeno(1,2,3-cd)pyrene	26.71	276	42834	1.499	ng	#	94
35) Benzo(b)fluoranthene	23.23	252	86089	2.838	ng	#	89
36) Benzo(k)fluoranthene	23.28	252	35323m	1.031	ng		
37) Benzo(a)pyrene	23.90	252	63690	2.138	ng	#	92
38) Dibenzo(a,h)anthracene	26.71	278	11032	0.462	ng	#	79
39) Benzo(g,h,i)perylene	27.53	276	41957	1.632	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
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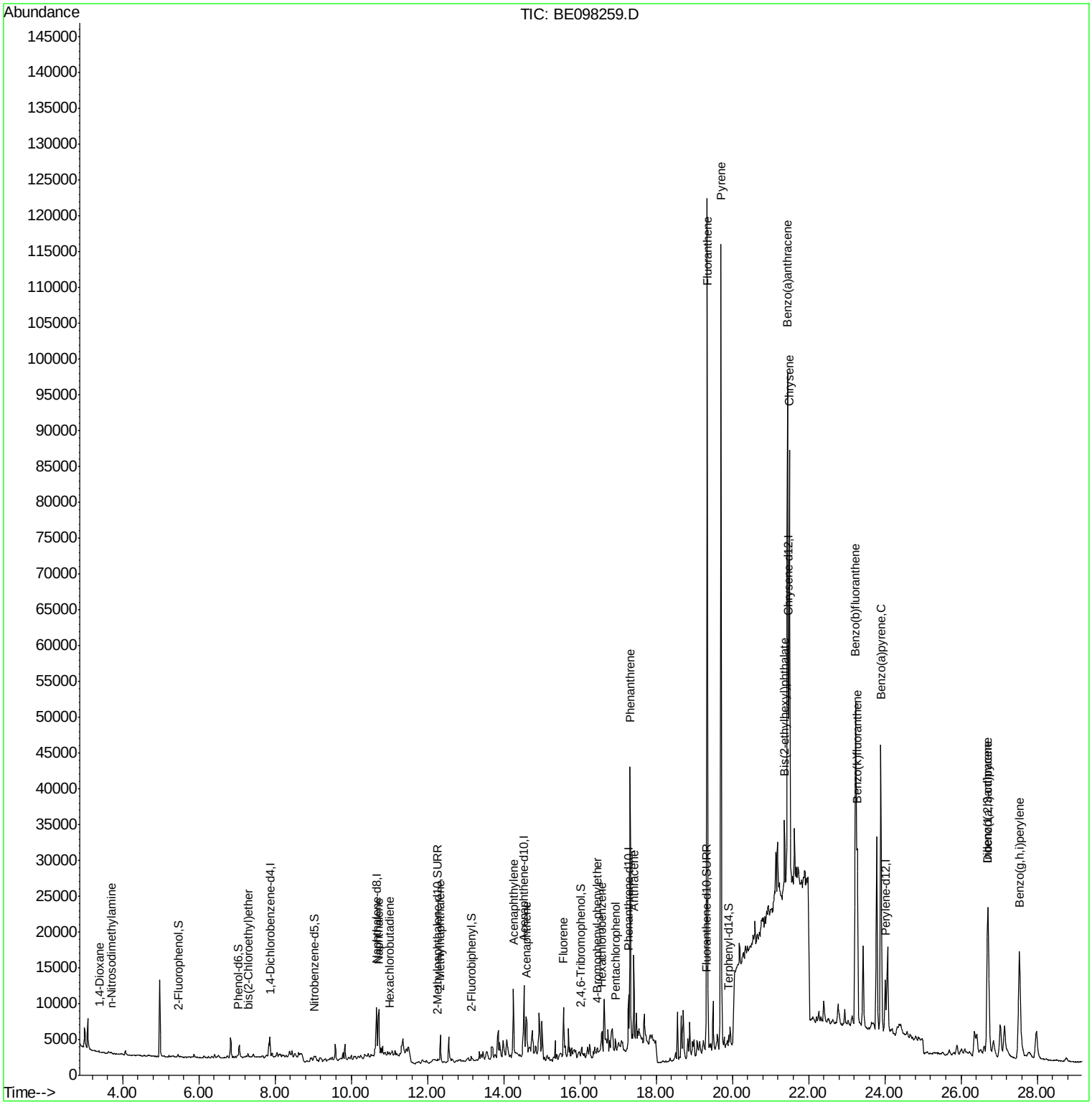
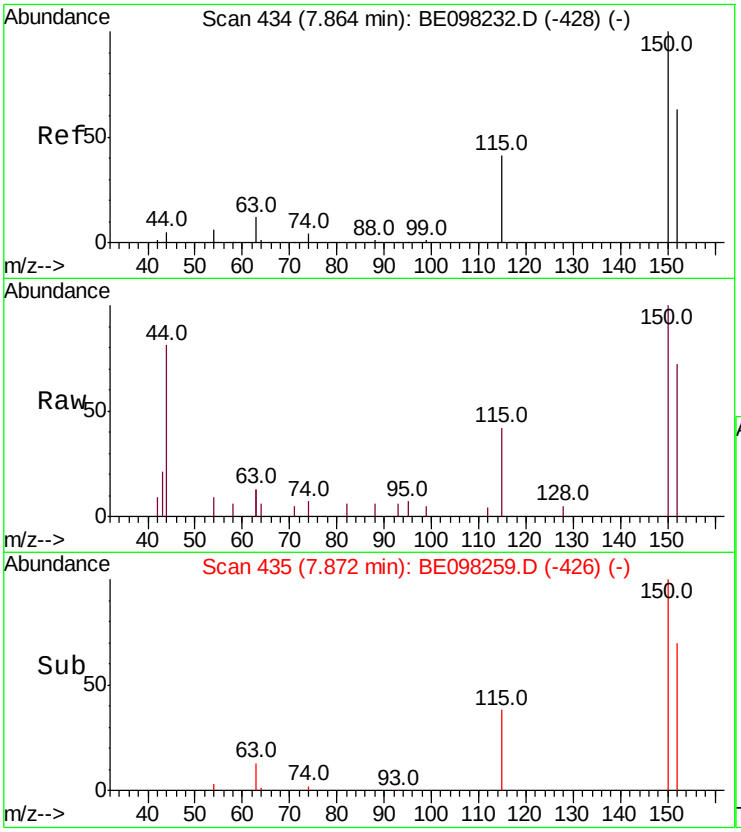
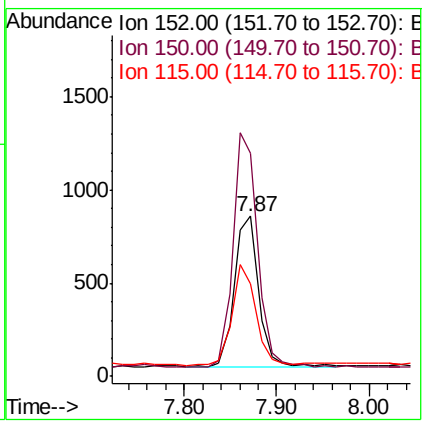




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:152 Resp: 1473

Ion	Ratio	Lower	Upper
152	100		
150	139.4	127.5	191.3
115	57.9	60.3	90.5#



Instrument :
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ClientSampleId :
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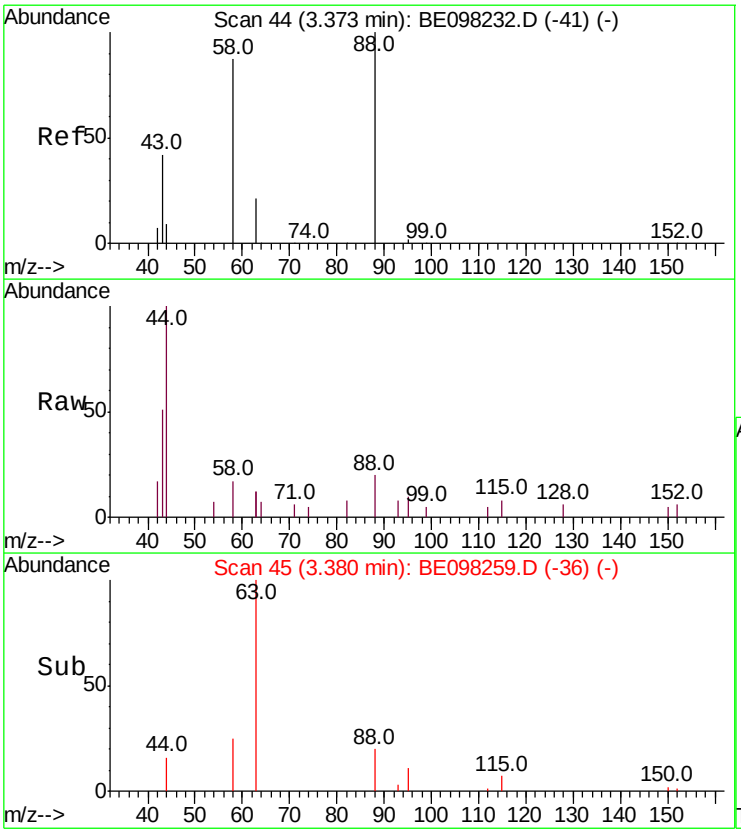
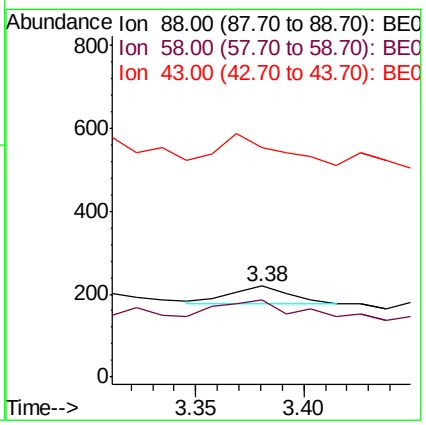
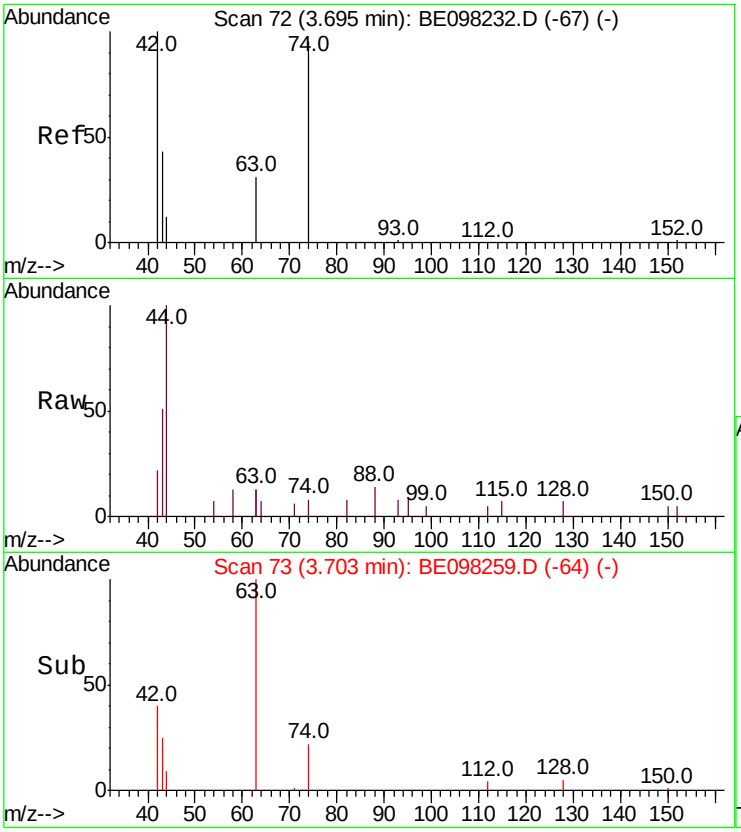


#2
1,4-Dioxane
Concen: 0.033 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion: 88 Resp: 77

Ion	Ratio	Lower	Upper
88	100		
58	107.8	79.0	118.4
43	176.6	38.1	57.1#





#3
n-Nitrosodimethylamine
Concen: 0.050 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion: 42 Resp: 129

Ion	Ratio	Lower	Upper
42	100		
74	54.3	61.7	92.5#
44	0.0	14.0	21.0#

Instrument :
BNA_E
ClientSampleId :
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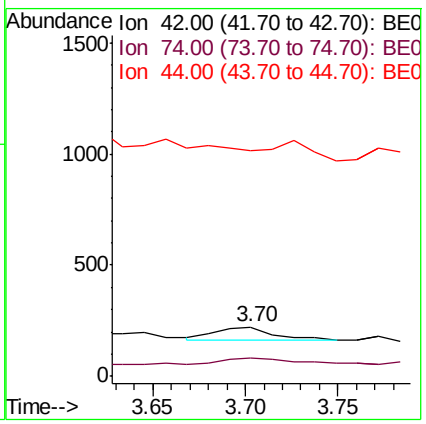
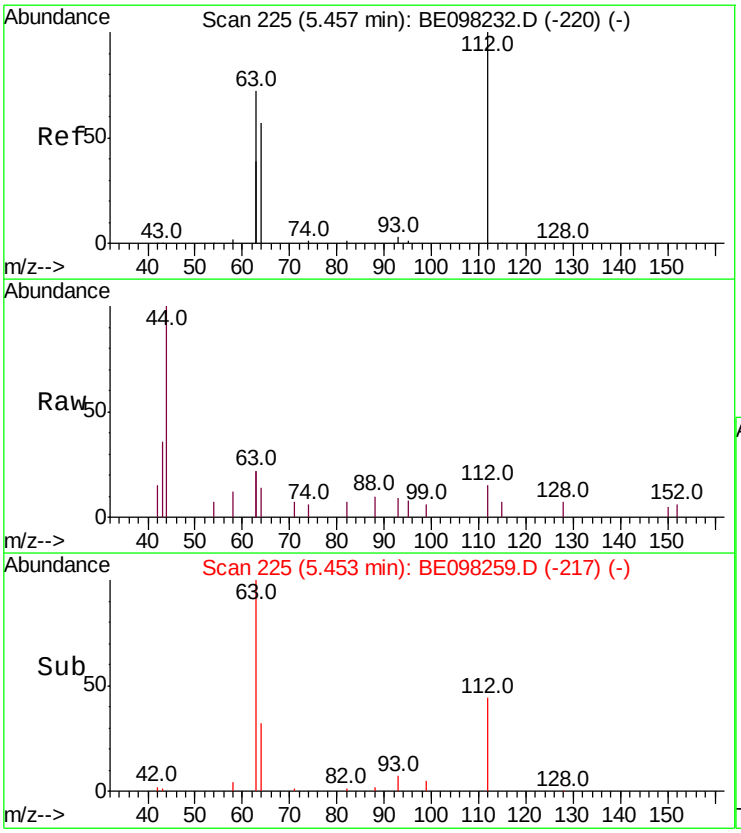
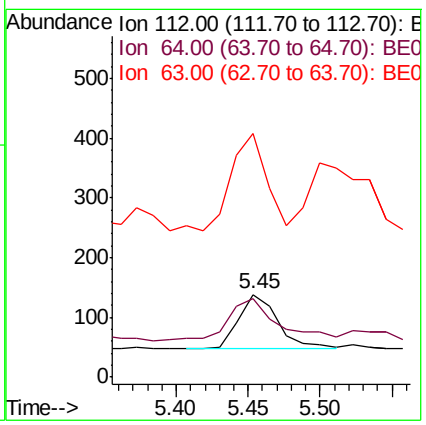


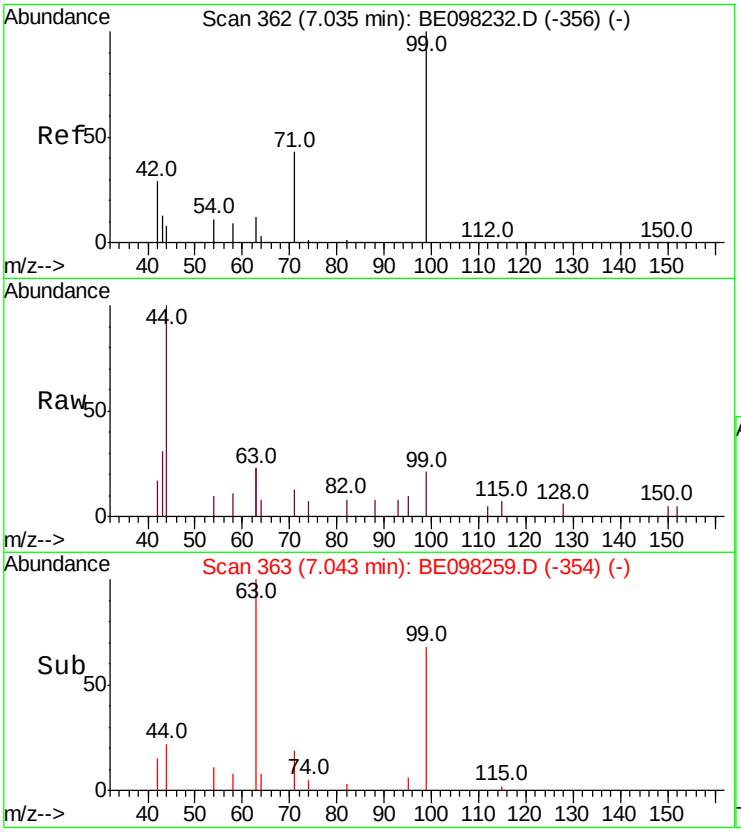


#4
2-Fluorophenol
Concen: 0.043 ng
RT: 5.45 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:112 Resp: 170

Ion	Ratio	Lower	Upper
112	100		
64	95.3	61.7	92.5#
63	162.4	136.2	204.2





#5
Phenol-d6
Concen: 0.049 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion: 99 Resp: 307

Ion	Ratio	Lower	Upper
99	100		
42	0.0	27.1	40.7#
71	0.0	37.0	55.6#

Instrument :
BNA_E
ClientSampleId :
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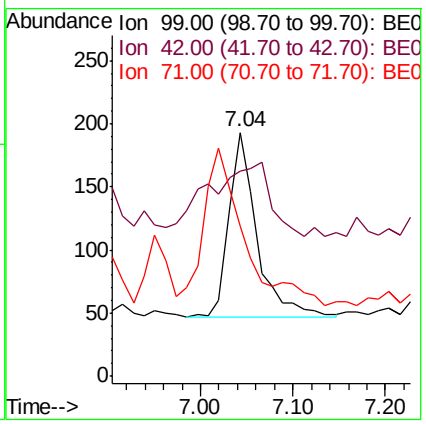
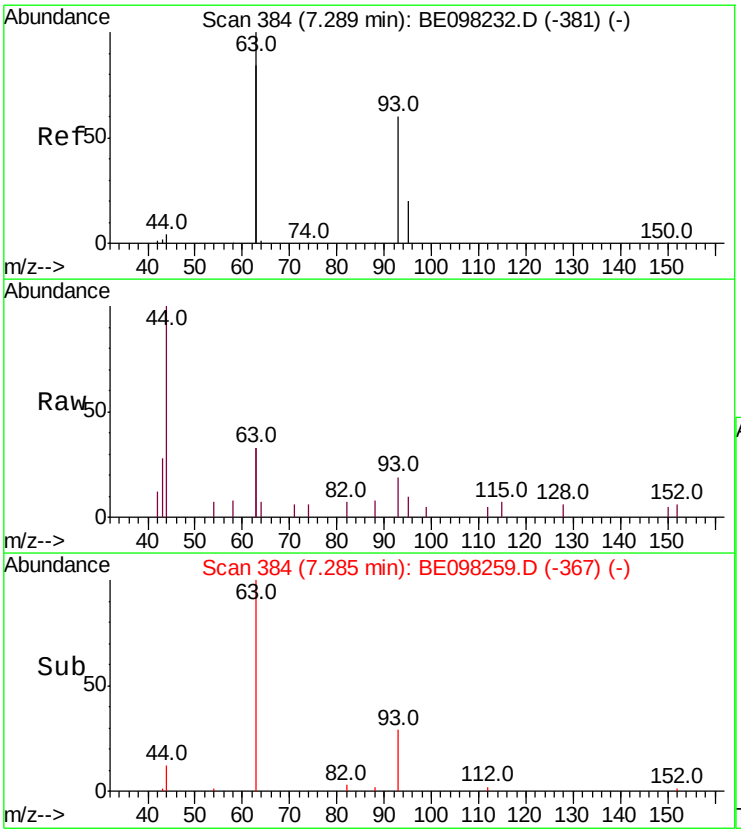
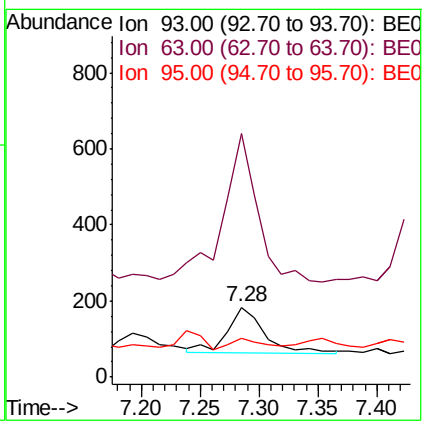


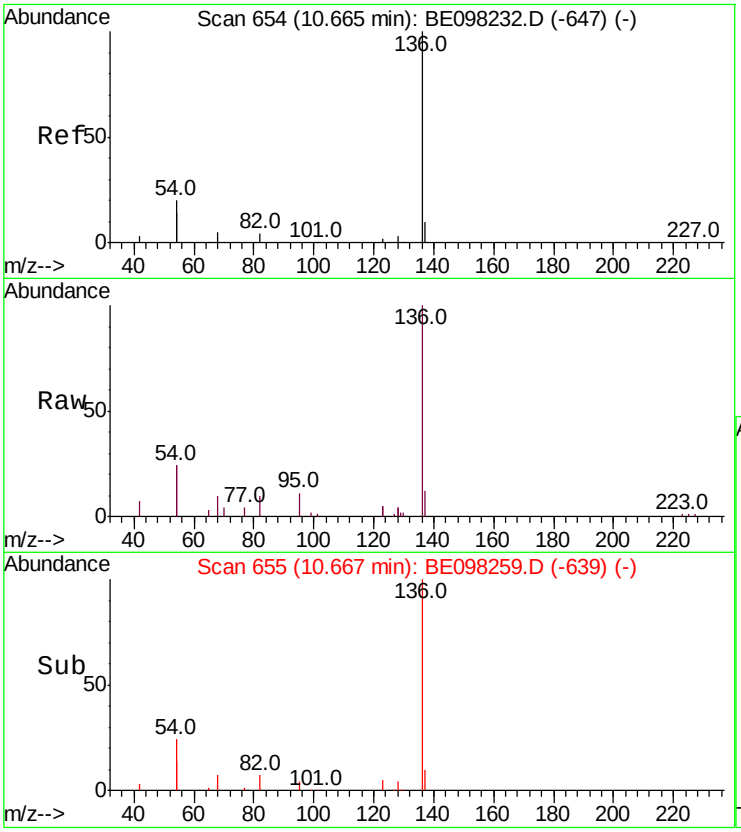


#6
bis(2-Chloroethyl)ether
Concen: 0.048 ng
RT: 7.28 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion: 93 Resp: 257

Ion	Ratio	Lower	Upper
93	100		
63	312.5	272.6	409.0
95	23.7	27.1	40.7#

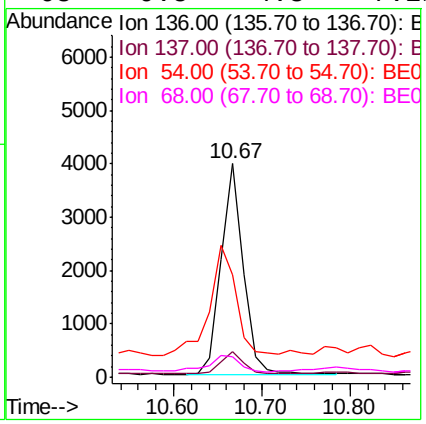




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:136 Resp: 6922

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	47.7	31.3	46.9#
68	9.5	4.8	7.2#



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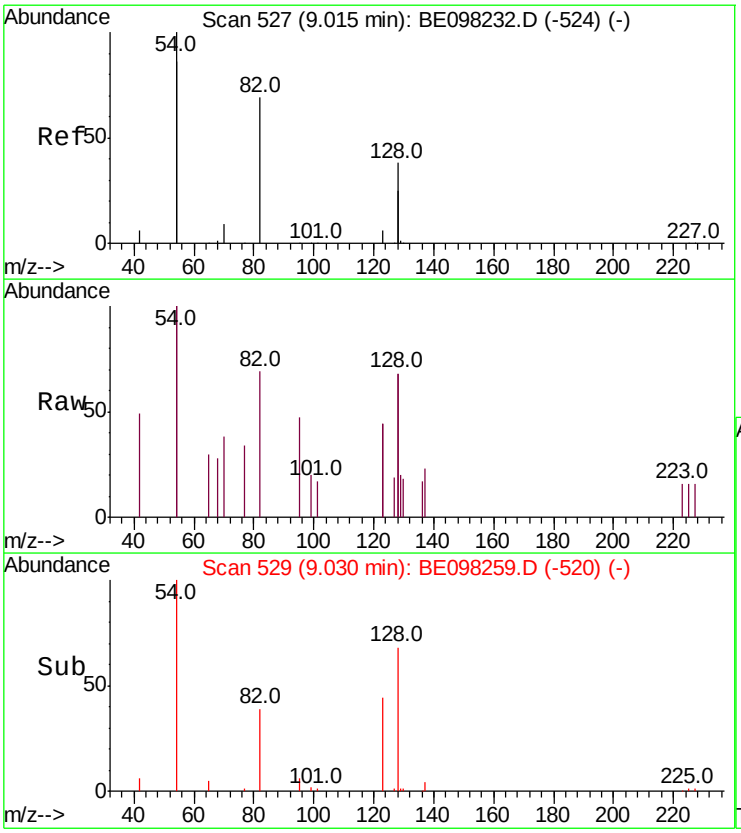
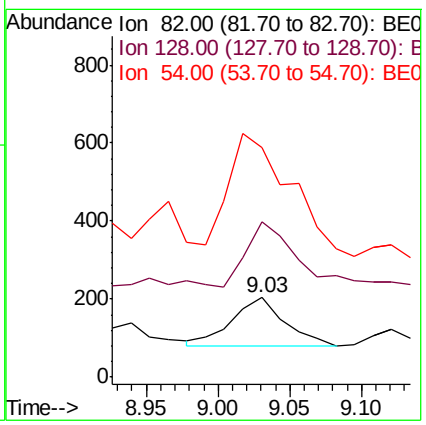
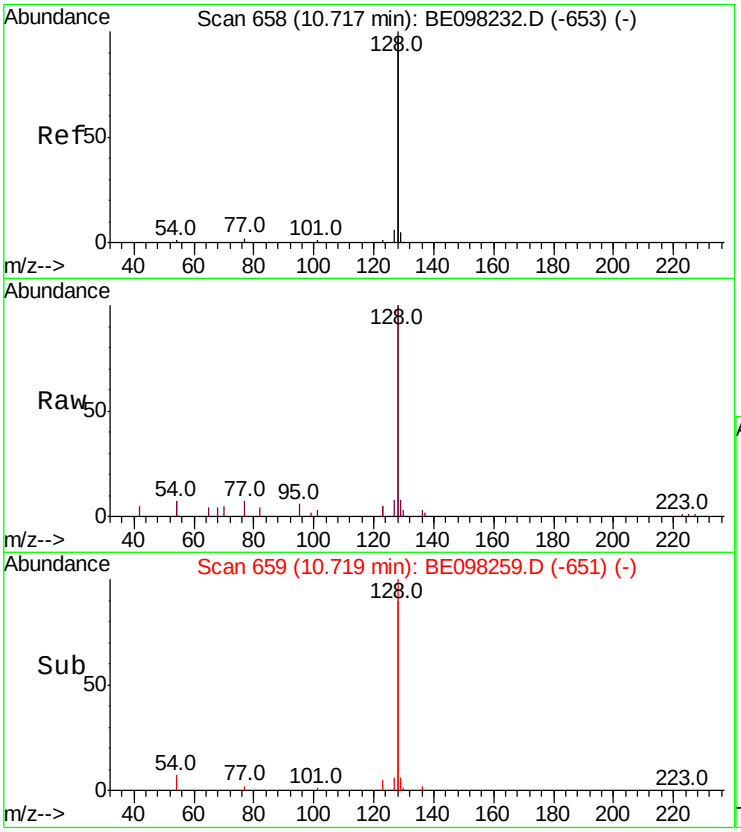


#8
Nitrobenzene-d5
Concen: 0.048 ng
RT: 9.03 min Scan# 529
Delta R.T. 0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion: 82 Resp: 314

Ion	Ratio	Lower	Upper
82	100		
128	195.1	96.1	144.1#
54	288.2	232.0	348.0

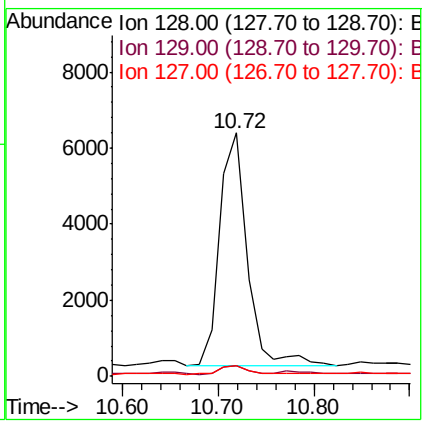




#9
Naphthalene
Concen: 0.173 ng
RT: 10.72 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:128 Resp: 12179

Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.6	4.0#
127	4.2	2.8	4.2#



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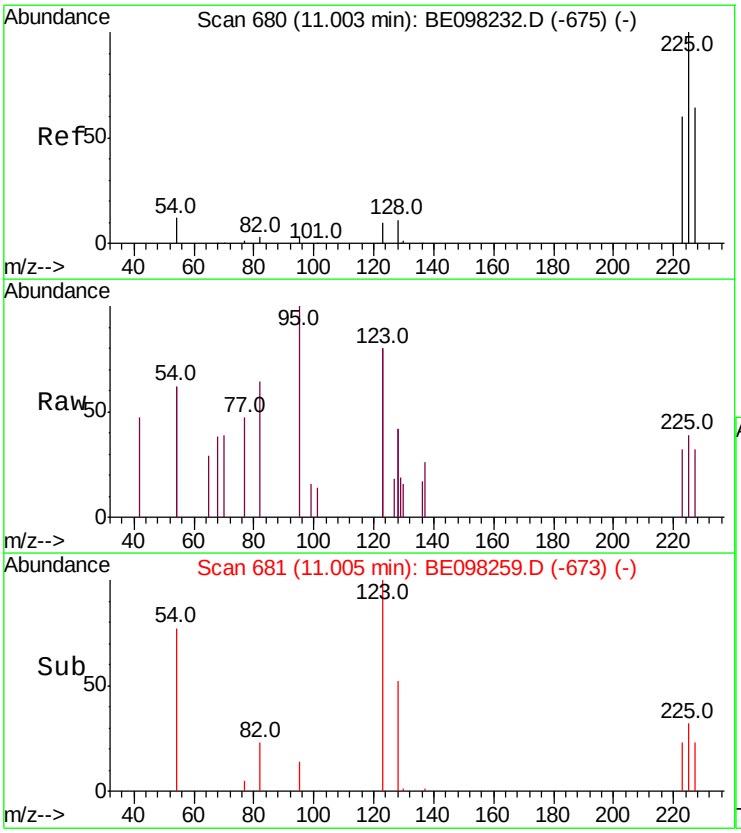
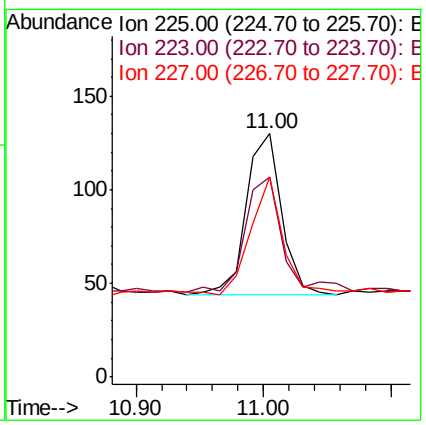
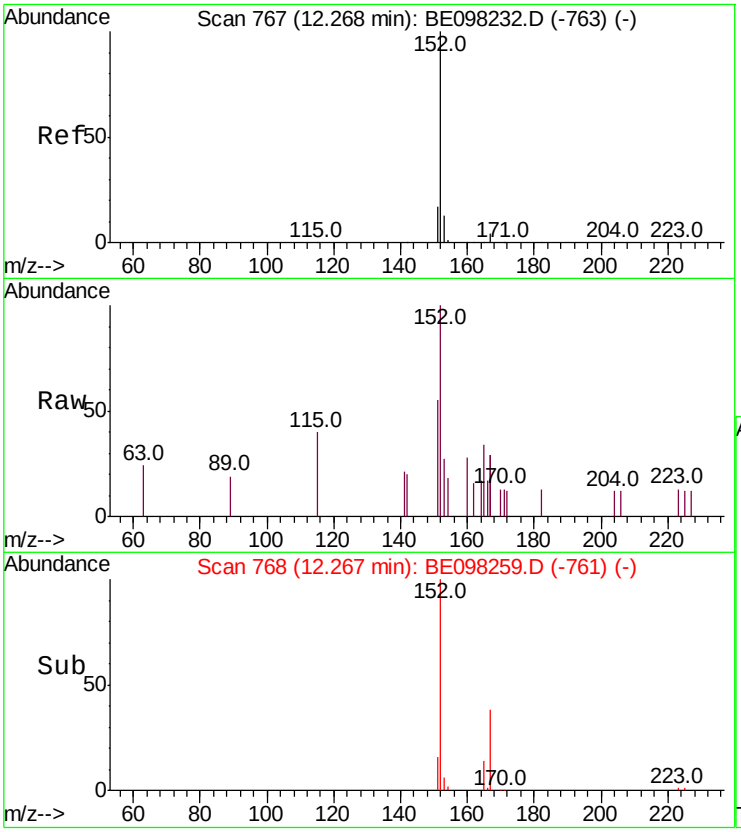


#10
Hexachlorobutadiene
Concen: 0.040 ng
RT: 11.00 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:225 Resp: 164

Ion	Ratio	Lower	Upper
225	100		
223	77.4	50.5	75.7#
227	63.4	50.3	75.5

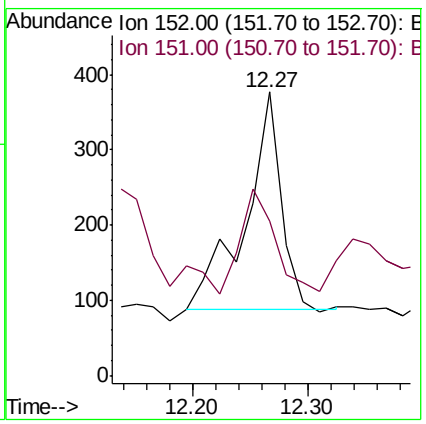




#11
2-Methylnaphthalene-d10
Concen: 0.052 ng
RT: 12.27 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:152 Resp: 630

Ion	Ratio	Lower	Upper
152	100		
151	45.2	15.4	23.2#



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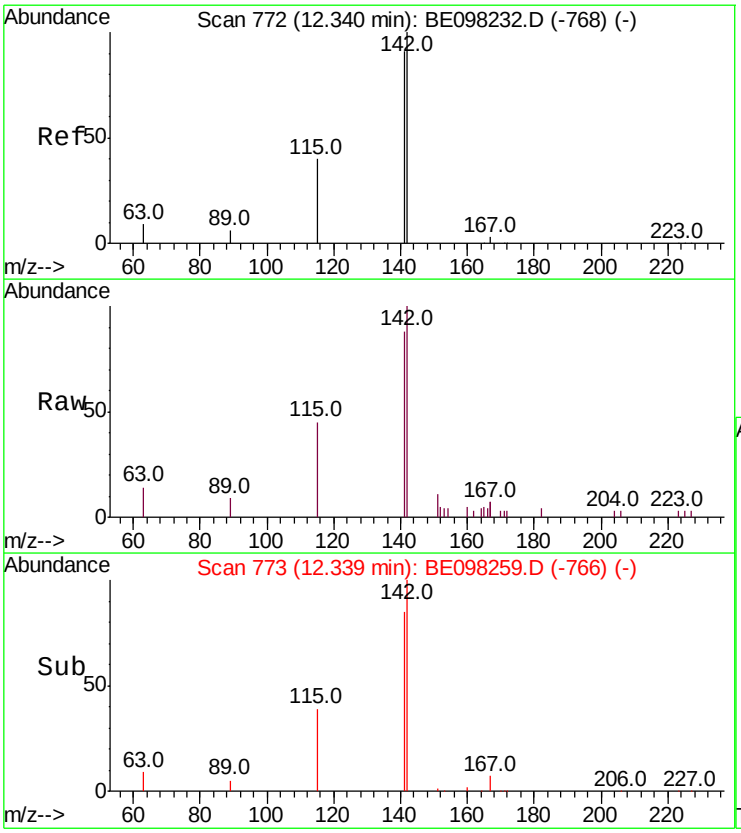
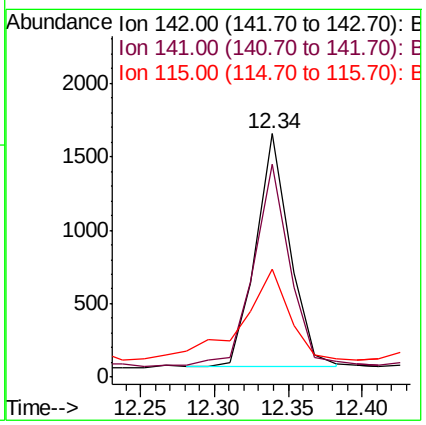
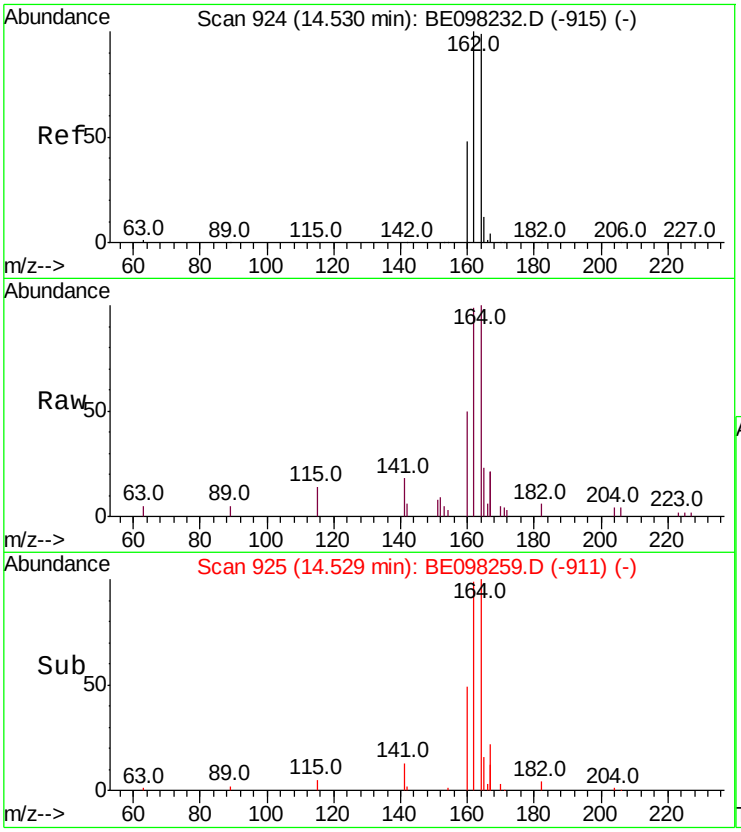


#12
2-Methylnaphthalene
Concen: 0.203 ng
RT: 12.34 min Scan# 773
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:142 Resp: 2526

Ion	Ratio	Lower	Upper
142	100		
141	87.5	76.3	114.5
115	44.5	35.8	53.8

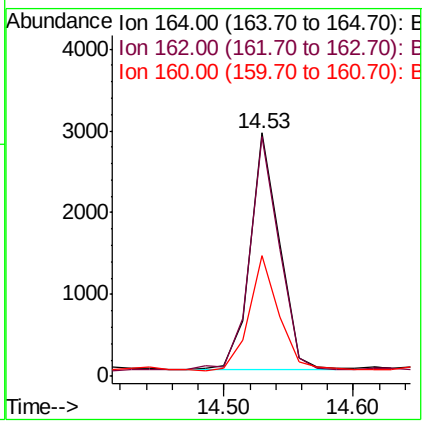




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:164 Resp: 4522

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.8	122.6
160	49.7	39.4	59.0



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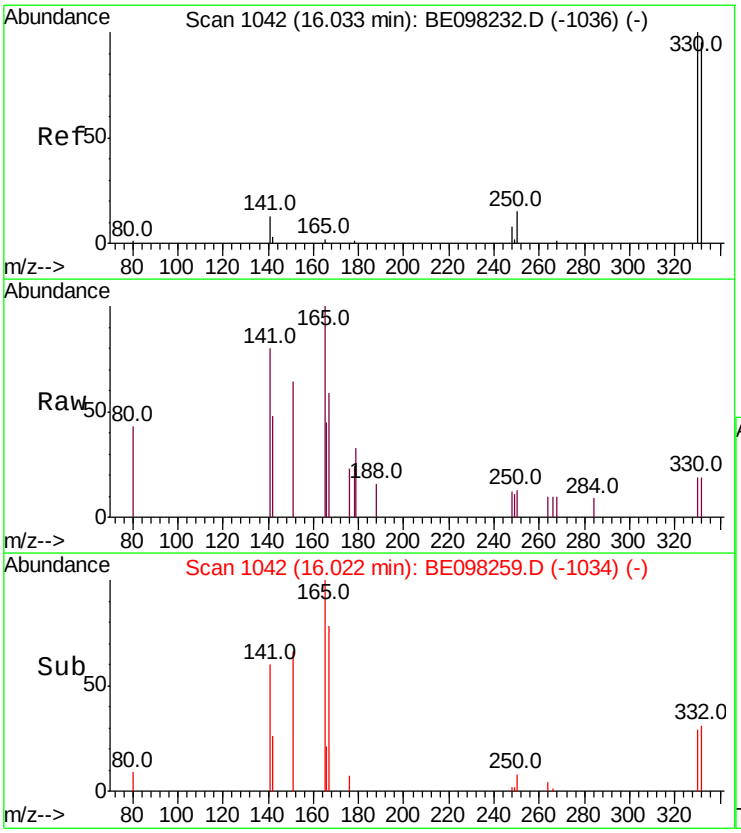
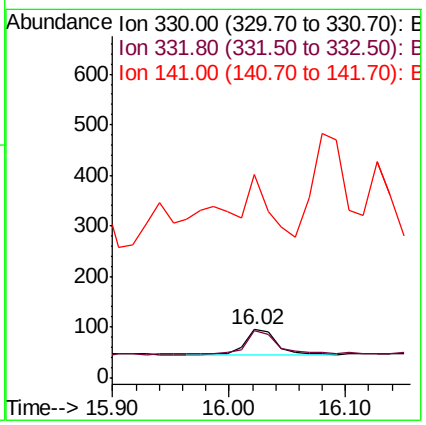
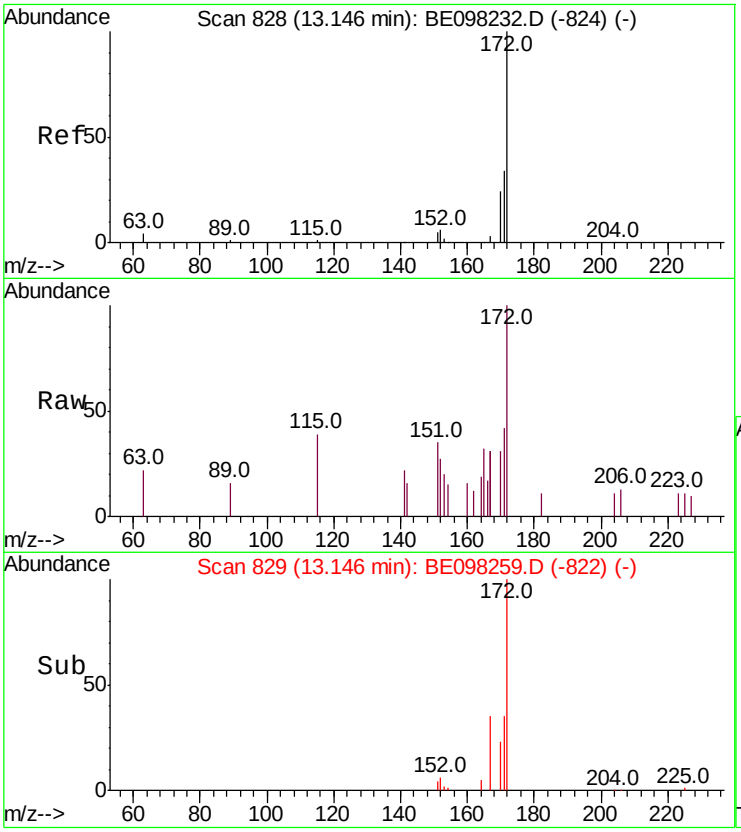


#14
2,4,6-Tribromophenol
Concen: 0.063 ng
RT: 16.02 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:330 Resp: 92

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.7	116.5
141	296.7	33.6	50.4#

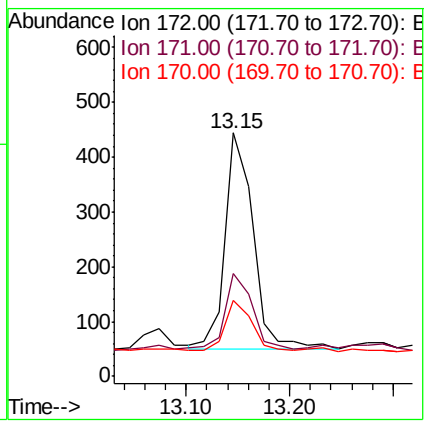




#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 13.15 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:172 Resp: 753

Ion	Ratio	Lower	Upper
172	100		
171	42.3	27.3	40.9#
170	31.3	19.4	29.0#



Instrument :
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ClientSampleId :
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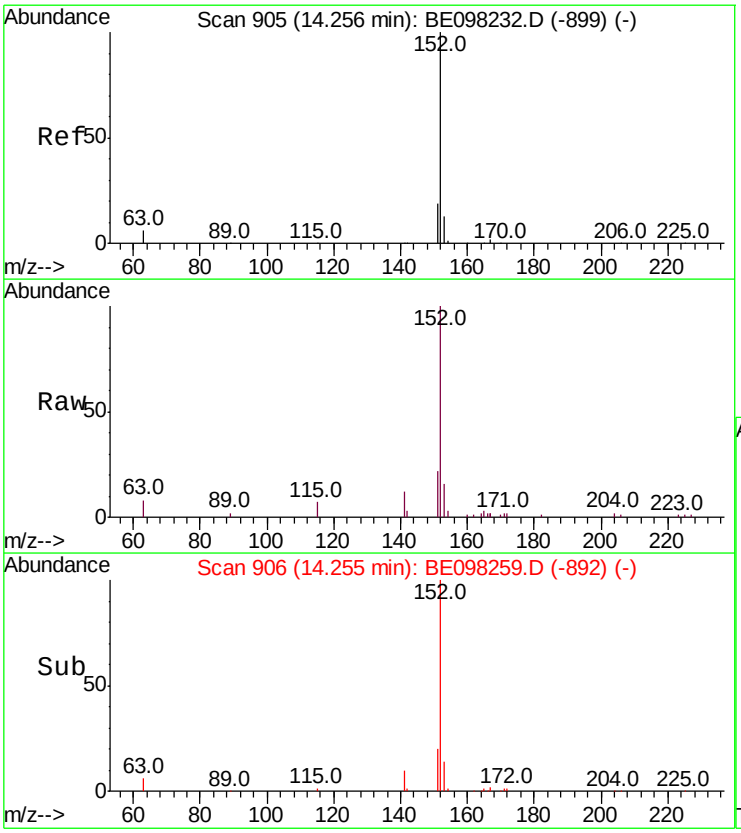
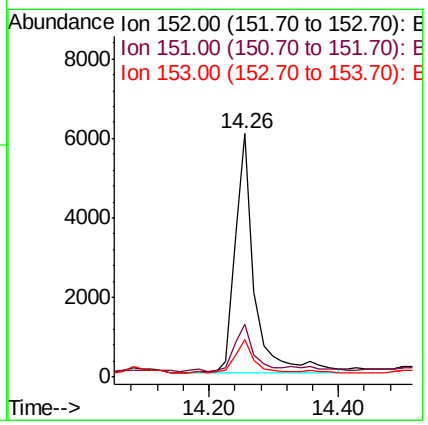
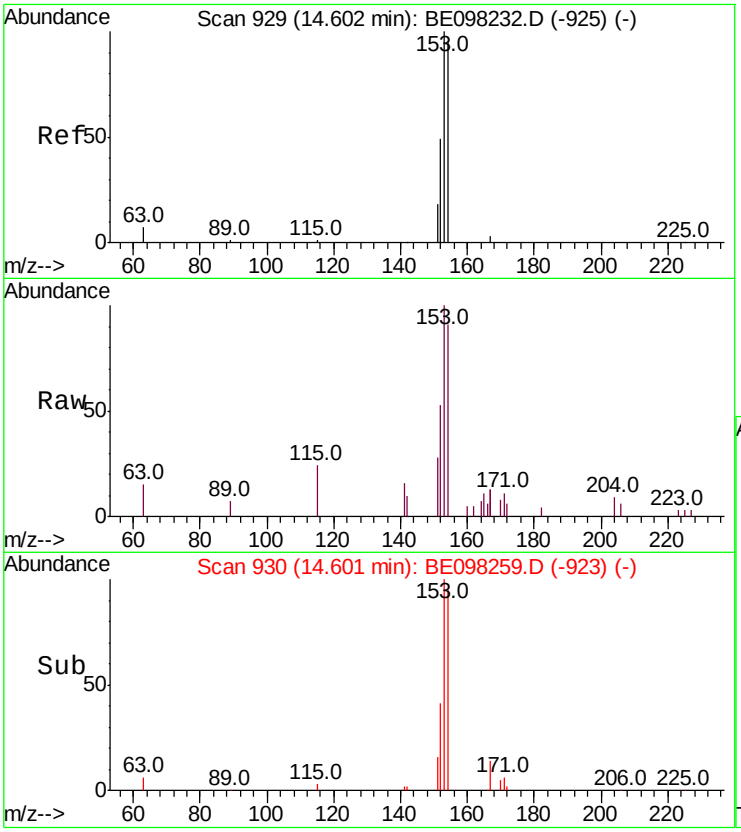


#16
Acenaphthylene
Concen: 0.574 ng
RT: 14.26 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:152 Resp: 12347

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.4	24.6
153	14.4	10.6	15.8

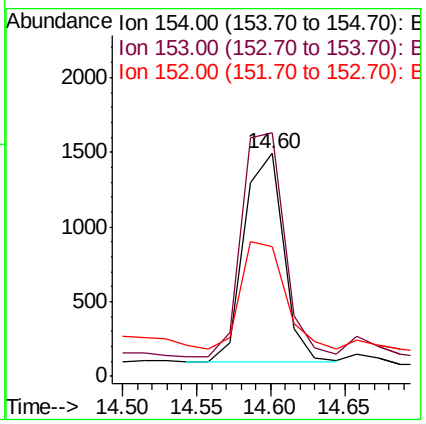




#17
Acenaphthene
Concen: 0.198 ng
RT: 14.60 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:154 Resp: 2550

Ion	Ratio	Lower	Upper
154	100		
153	118.0	92.1	138.1
152	58.6	46.2	69.2



Instrument :
BNA_E
ClientSampleId :
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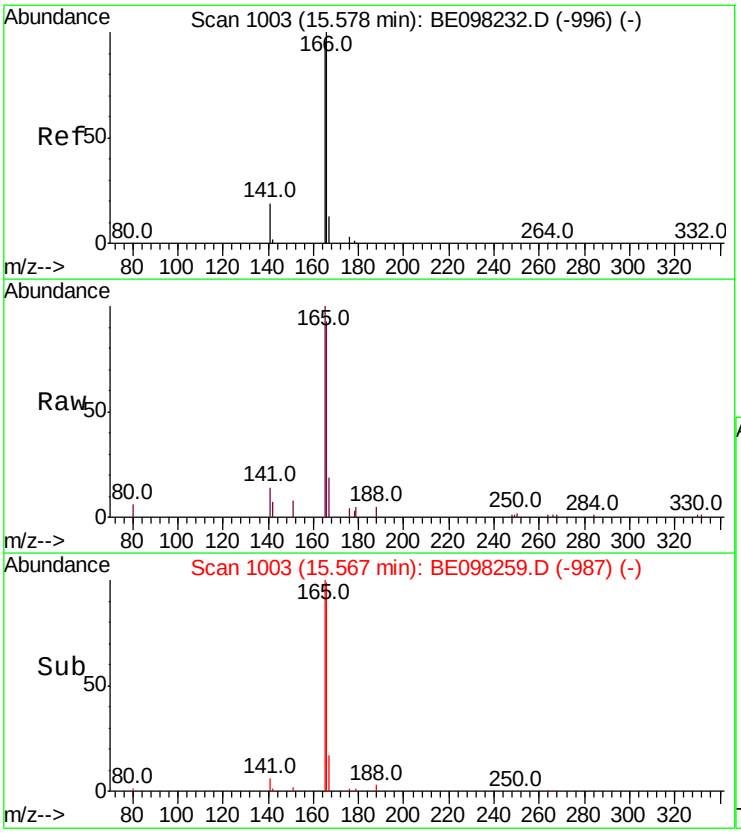
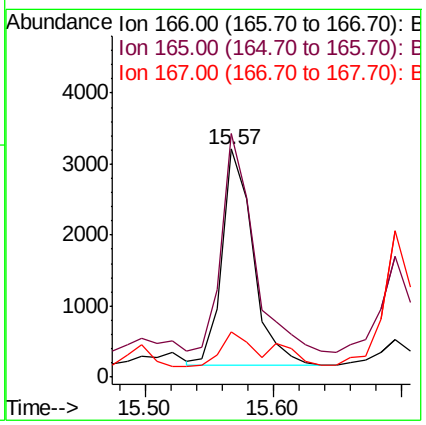
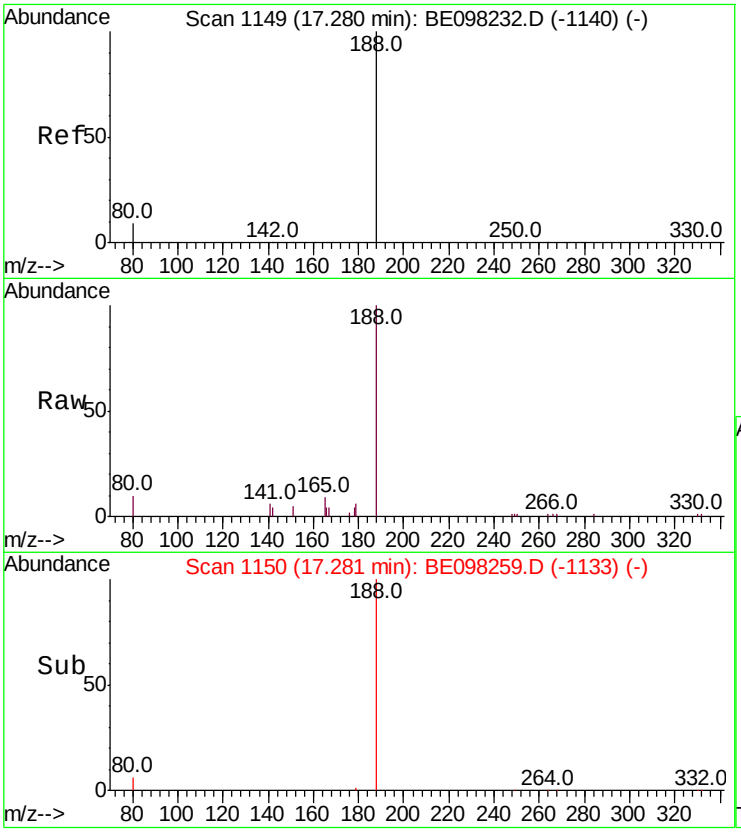


#18
Fluorene
Concen: 0.316 ng
RT: 15.57 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:166 Resp: 5178

Ion	Ratio	Lower	Upper
166	100		
165	103.8	80.1	120.1
167	16.1	10.8	16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:188 Resp: 10182

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	6.7	10.1#

Instrument :
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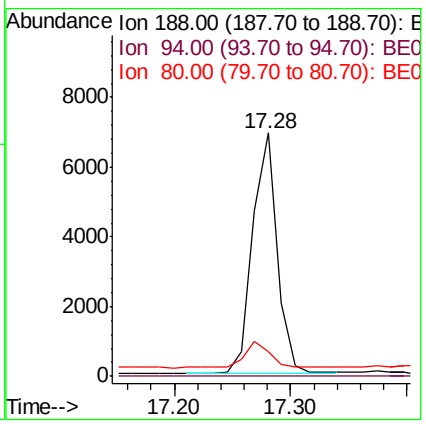
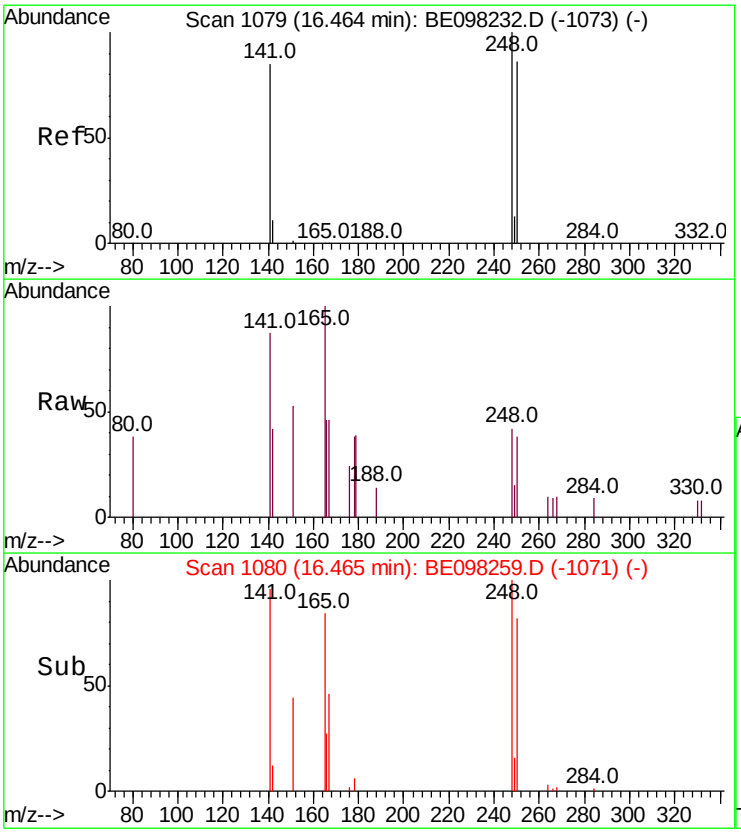
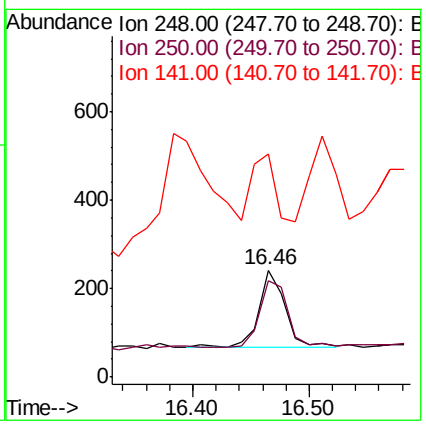


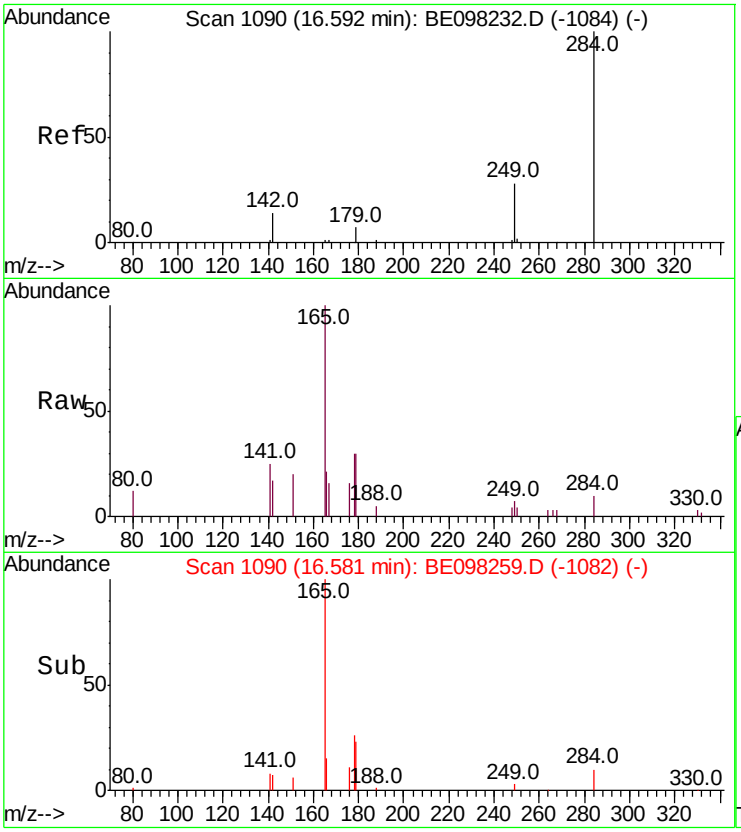


#20
4-Bromophenyl-phenylether
Concen: 0.045 ng
RT: 16.46 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:248 Resp: 283

Ion	Ratio	Lower	Upper
248	100		
250	90.5	77.6	116.4
141	210.0	65.8	98.8#

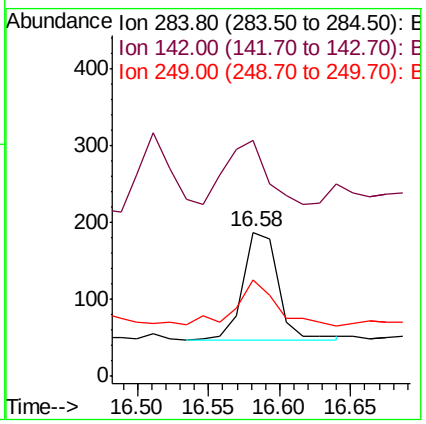




#21
Hexachlorobenzene
Concen: 0.037 ng
RT: 16.58 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:284 Resp: 241

Ion	Ratio	Lower	Upper
284	100		
142	68.0	26.5	39.7#
249	51.5	28.4	42.6#



Instrument :
BNA_E
ClientSampleId :
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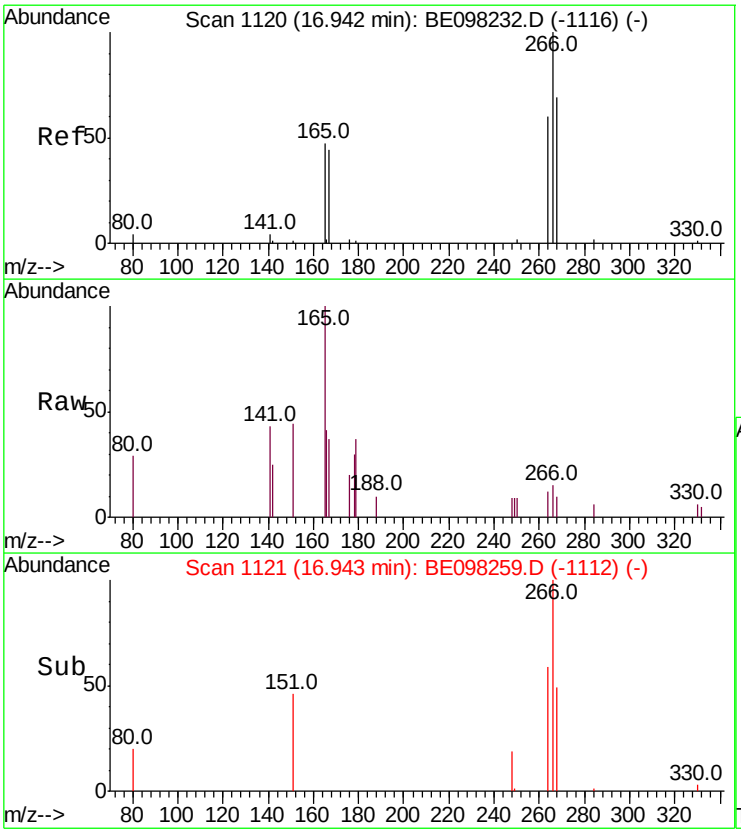
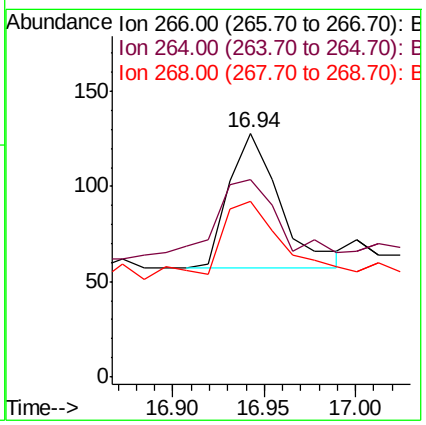
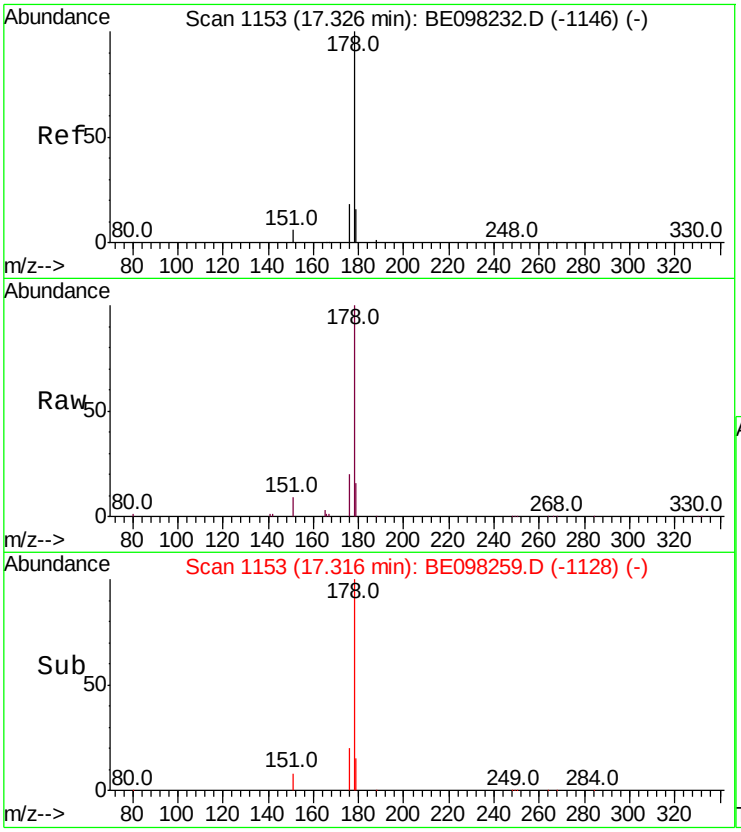


#22
Pentachlorophenol
Concen: 0.210 ng
RT: 16.94 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:266 Resp: 140

Ion	Ratio	Lower	Upper
266	100		
264	81.3	57.6	86.4
268	71.9	56.8	85.2

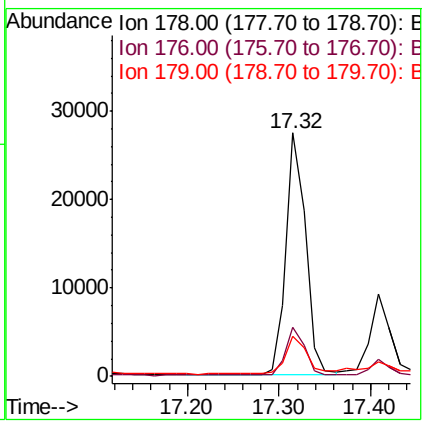




#23
Phenanthrene
Concen: 1.562 ng
RT: 17.32 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:178 Resp: 40928

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.4	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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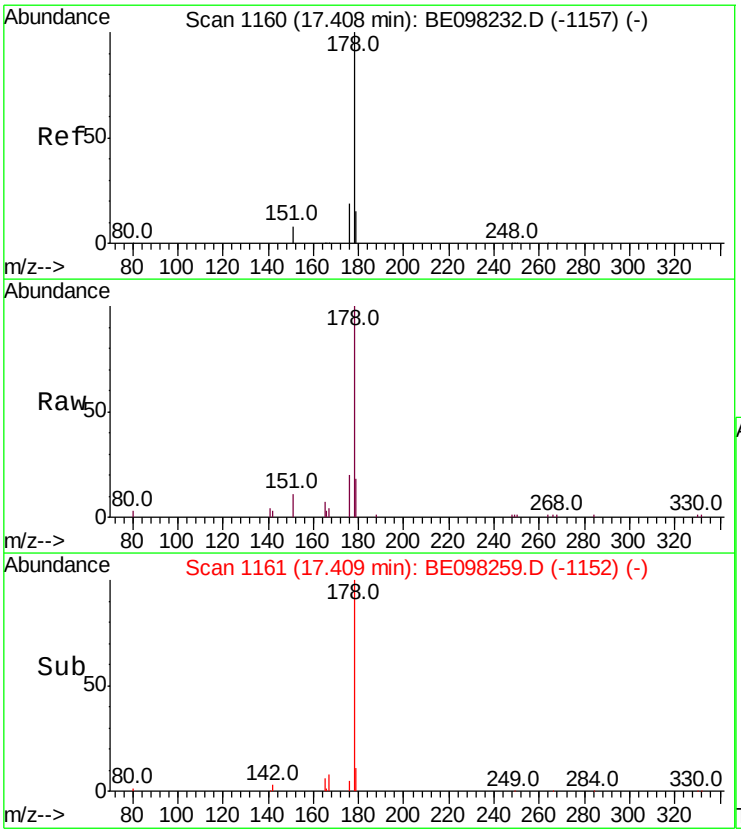
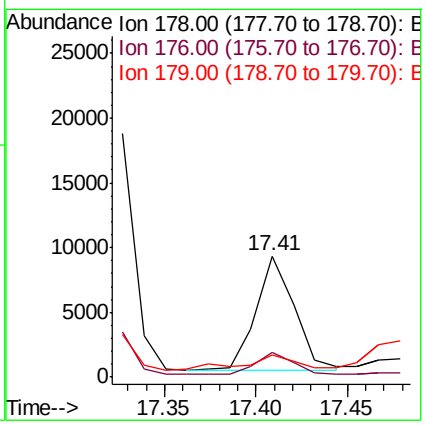
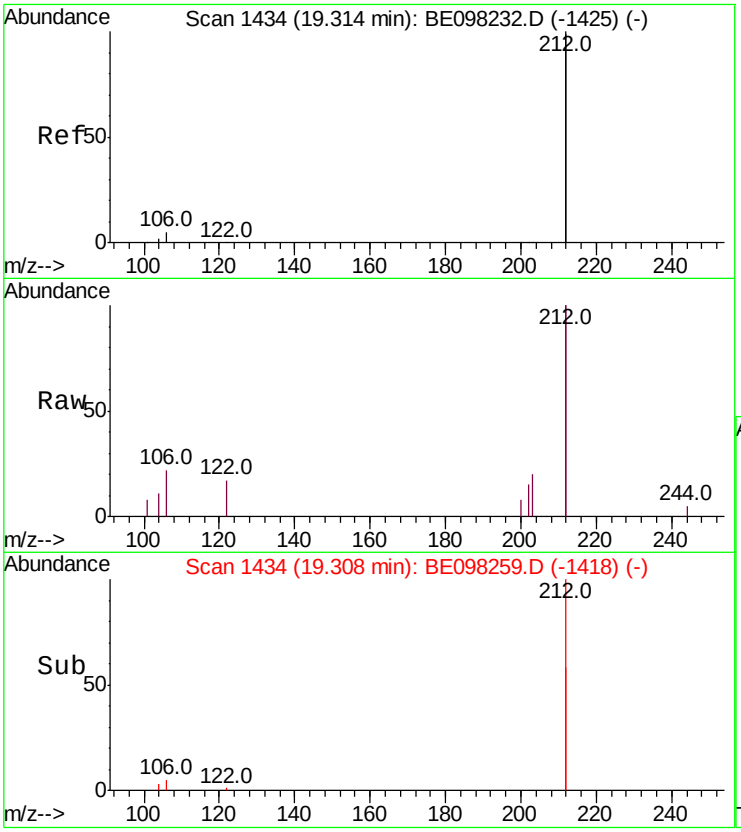


#24
Anthracene
Concen: 0.540 ng
RT: 17.41 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:178 Resp: 12859

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	16.0	12.1	18.1





#25
Fluoranthene-d10
Concen: 0.042 ng
RT: 19.31 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:212 Resp: 5144

Ion	Ratio	Lower	Upper
212	100		
106	4.2	1.8	2.8#
104	1.9	1.1	1.7#

Instrument :
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ClientSampleId :
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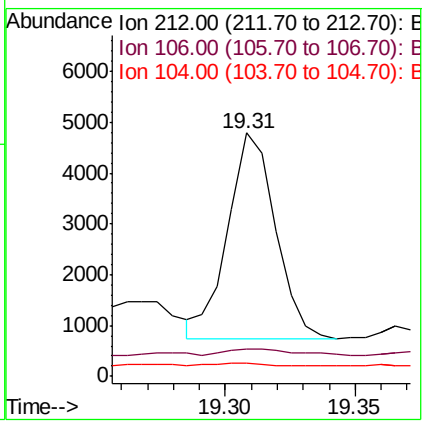
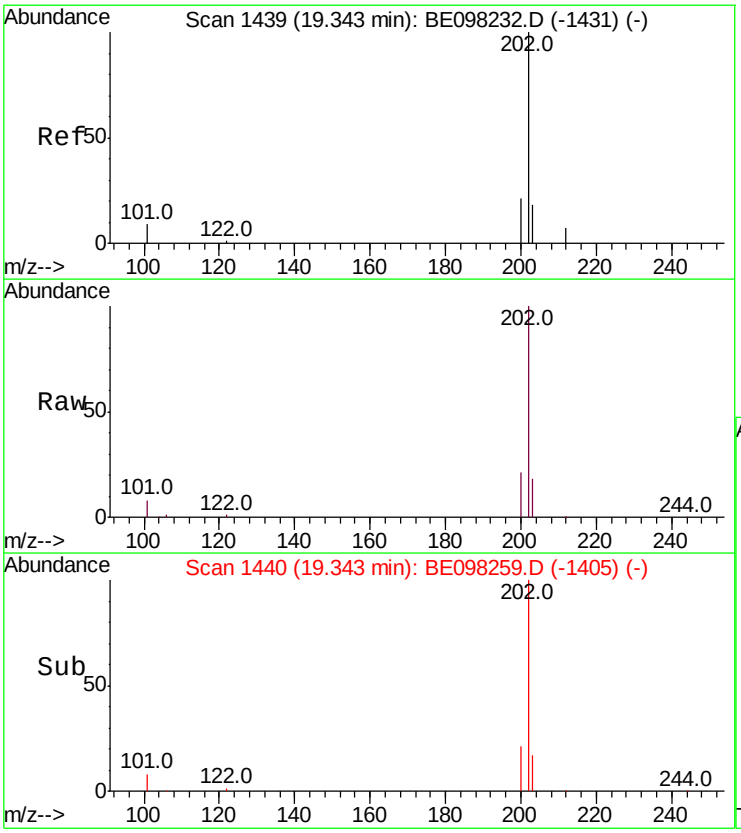
11/23/2018 11:47:30 AM

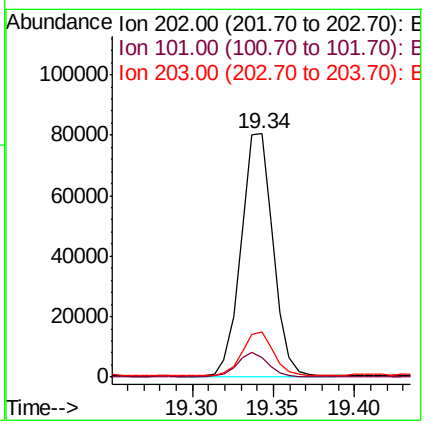


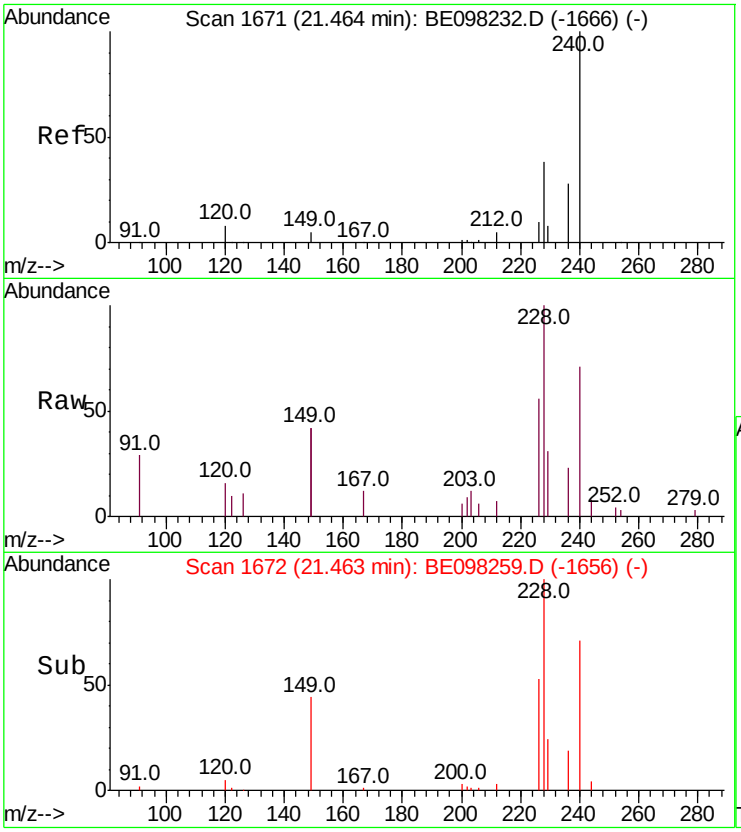


#26
Fluoranthene
Concen: 3.479 ng
RT: 19.34 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:202 Resp: 109360

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.6
203	17.5	13.7	20.5

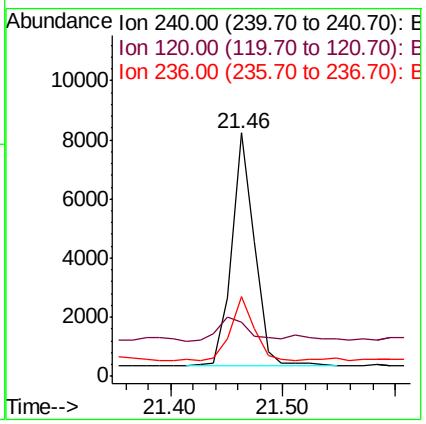




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:240 Resp: 11212

Ion	Ratio	Lower	Upper
240	100		
120	22.1	4.8	7.2#
236	33.0	21.4	32.0#



Instrument :
BNA_E
ClientSampleId :
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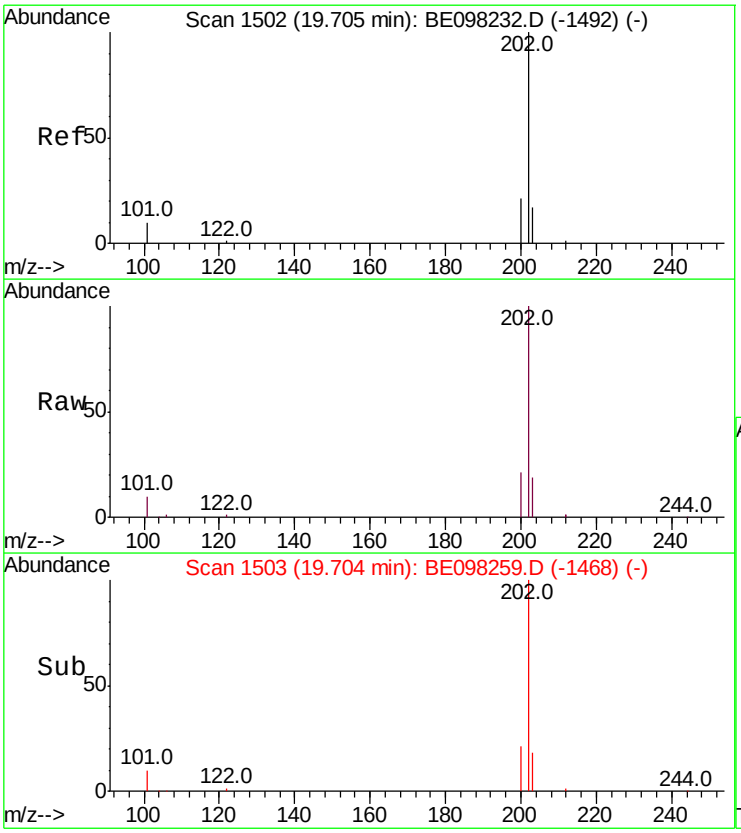
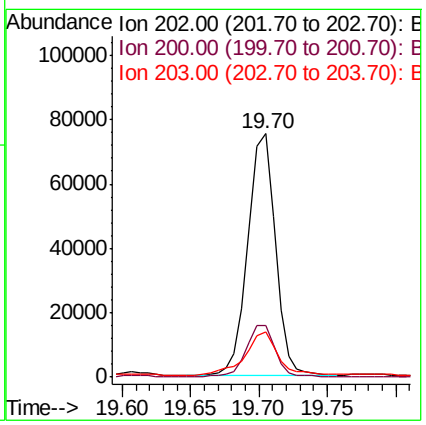
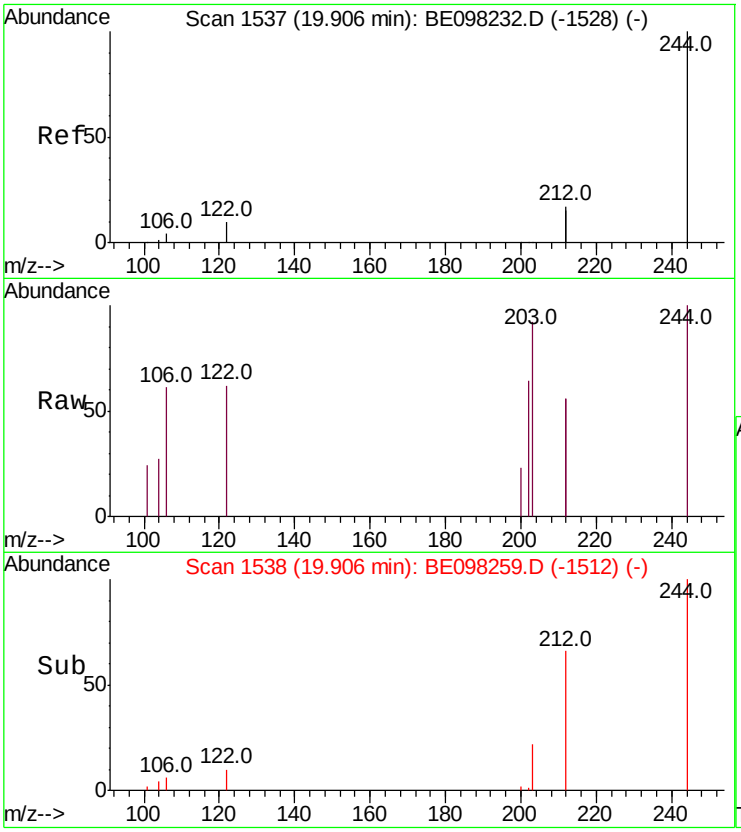


#28
Pyrene
Concen: 3.210 ng
RT: 19.70 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:202 Resp: 105221

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	21.1	14.2	21.4

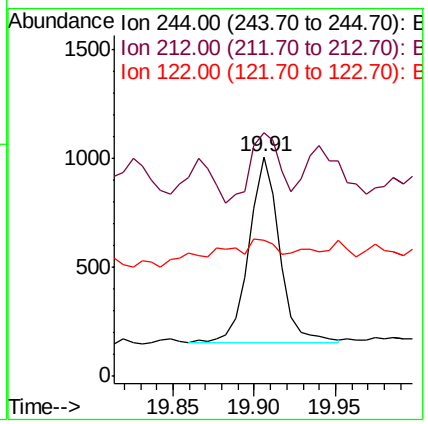




#29
Terphenyl-d14
Concen: 0.044 ng
RT: 19.91 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:244 Resp: 1124

Ion	Ratio	Lower	Upper
244	100		
212	111.0	26.8	40.2#
122	62.2	7.0	10.6#



Instrument :
BNA_E
ClientSampleId :
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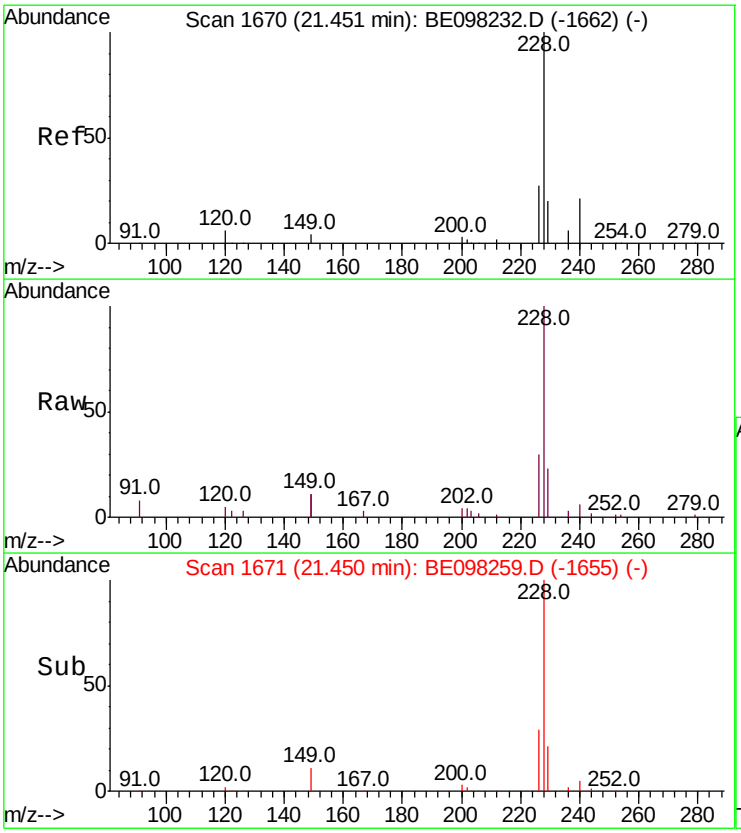
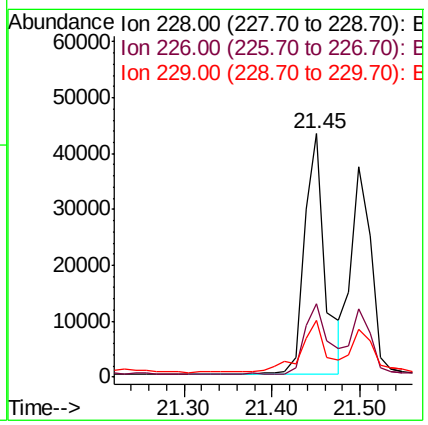
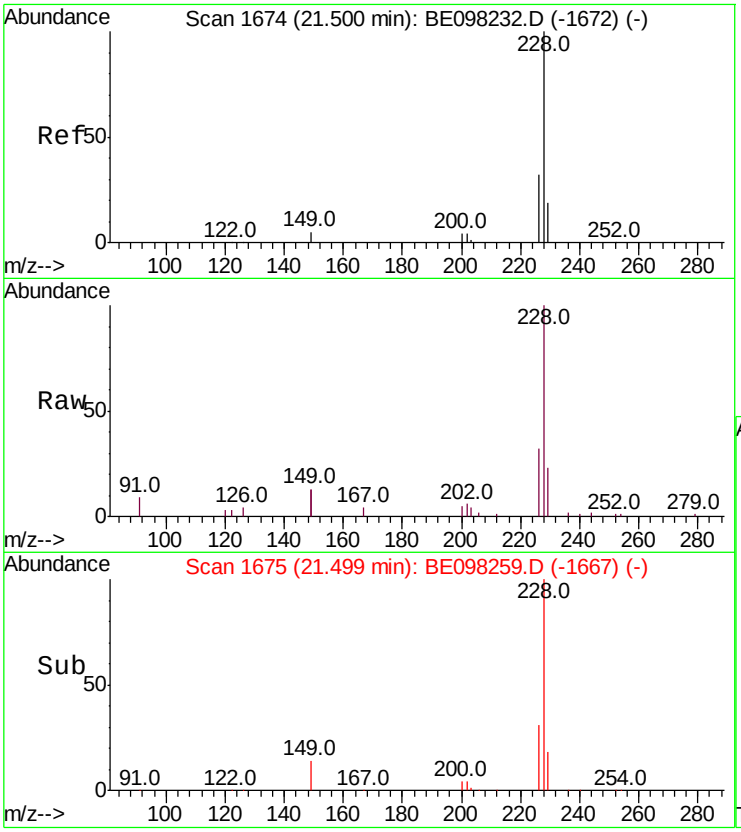


#30
Benzo(a)anthracene
Concen: 2.196 ng
RT: 21.45 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:228 Resp: 71214

Ion	Ratio	Lower	Upper
228	100		
226	30.2	20.7	31.1
229	23.4	16.2	24.4

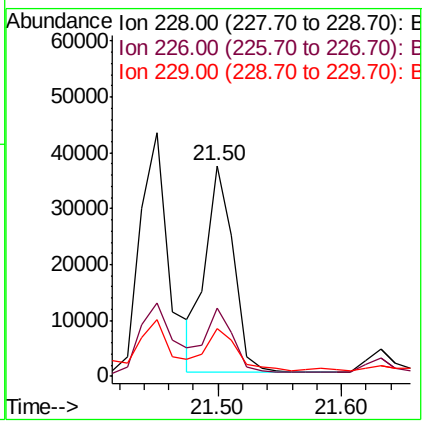




#31
Chrysene
Concen: 1.744 ng
RT: 21.50 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:228 Resp: 58201

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.6	36.8
229	22.9	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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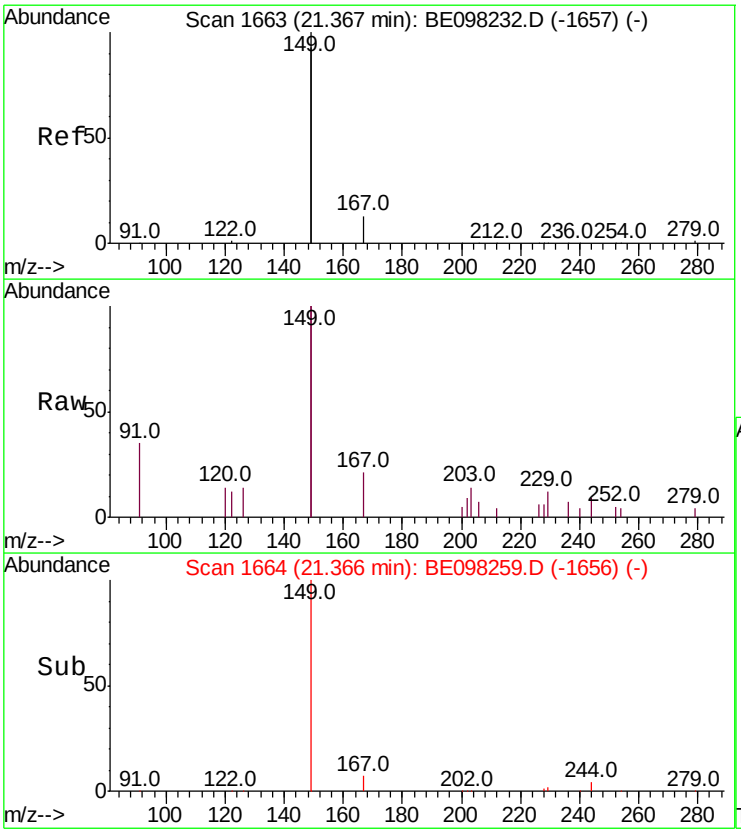
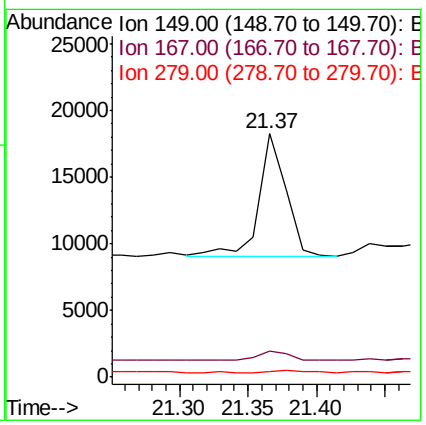
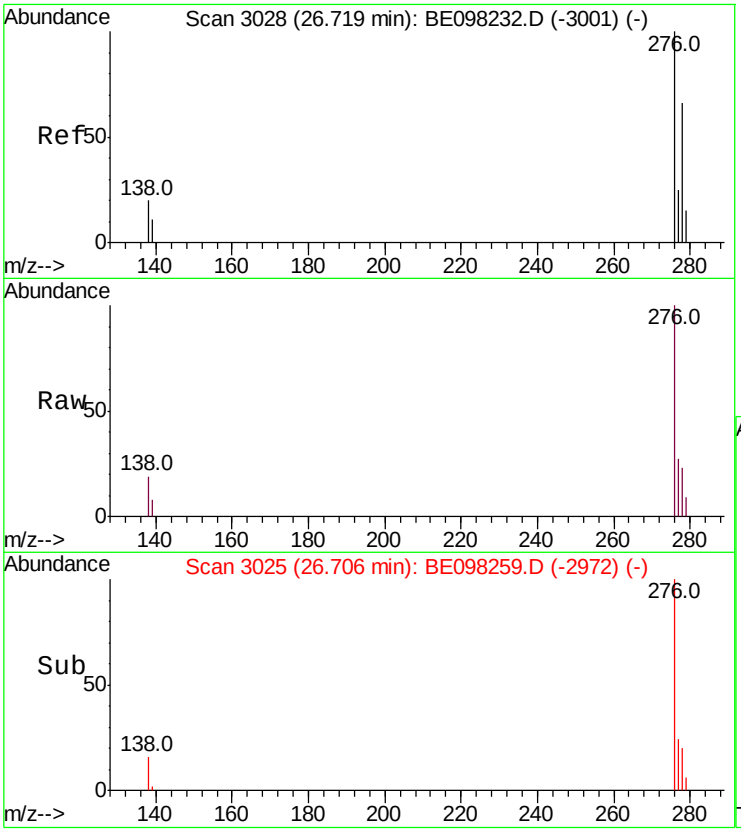


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.256 ng
RT: 21.37 min Scan# 1664
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:149 Resp: 12925

Ion	Ratio	Lower	Upper
149	100		
167	9.4	5.6	8.4#
279	1.1	0.9	1.3

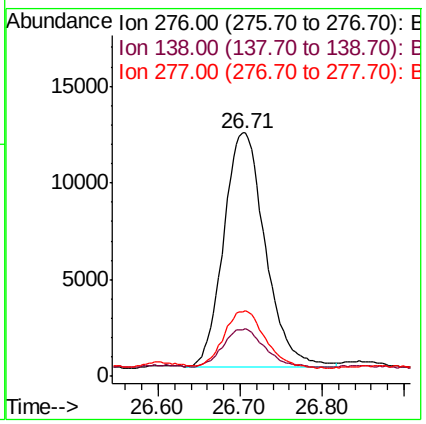




#33
Indeno(1,2,3-cd)pyrene
Concen: 1.499 ng
RT: 26.71 min Scan# 3025
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:276 Resp: 42834

Ion	Ratio	Lower	Upper
276	100		
138	16.1	6.4	9.6#
277	24.0	18.9	28.3



Instrument :
BNA_E
ClientSampleId :
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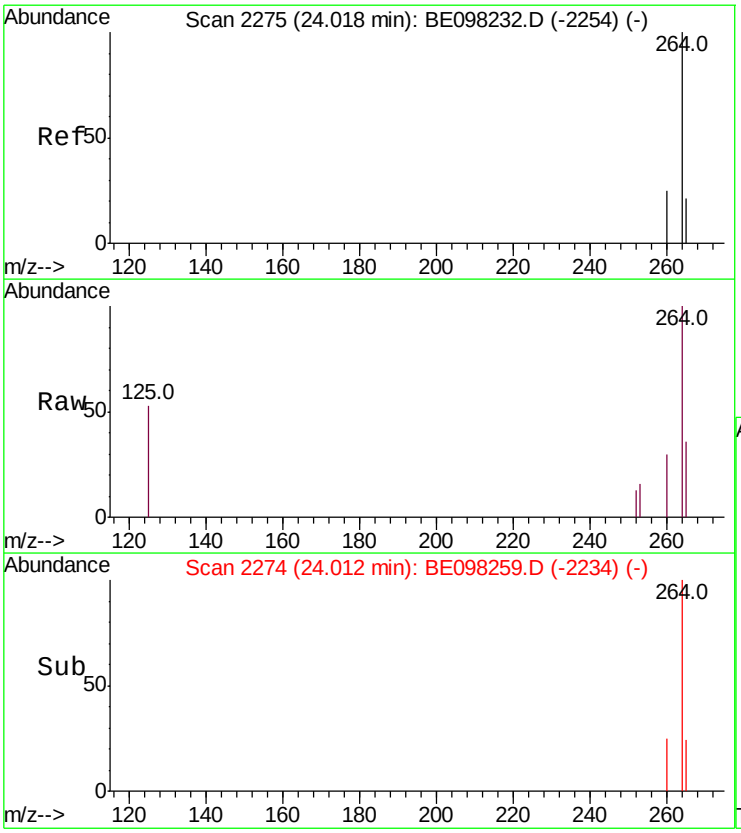
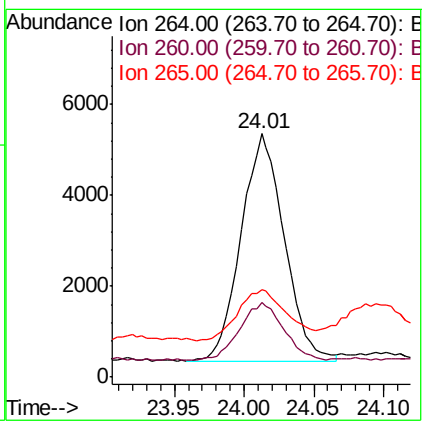
11/23/2018 11:47:30 AM

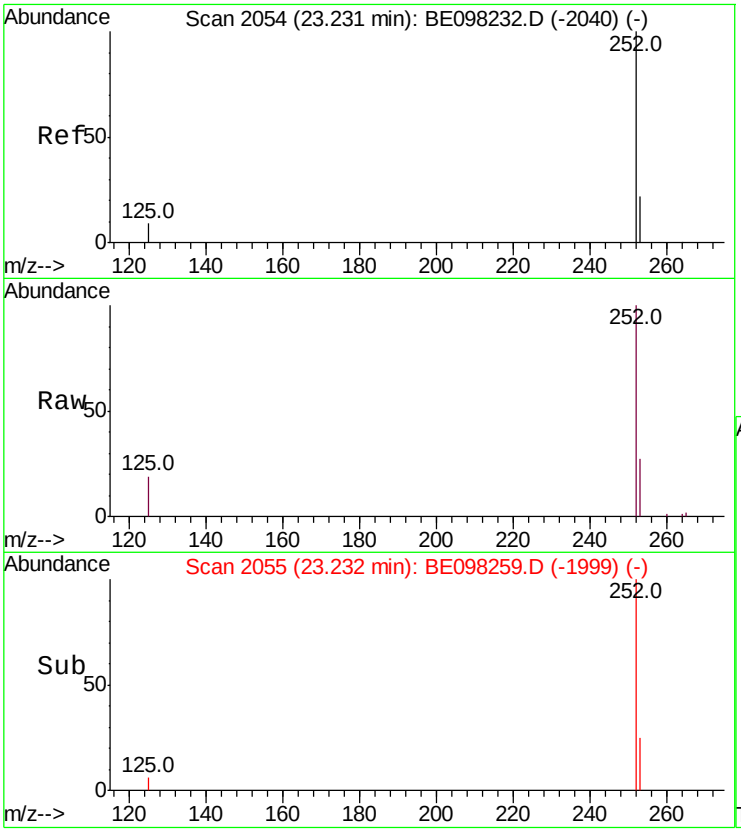


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:264 Resp: 10742

Ion	Ratio	Lower	Upper
264	100		
260	30.4	19.9	29.9#
265	36.1	21.3	31.9#





#35
Benzo(b)fluoranthene
Concen: 2.838 ng
RT: 23.23 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:252 Resp: 86089

Ion	Ratio	Lower	Upper
252	100		
253	27.2	19.4	29.0
125	18.6	8.6	12.8#

Instrument :
BNA_E
ClientSampleId :
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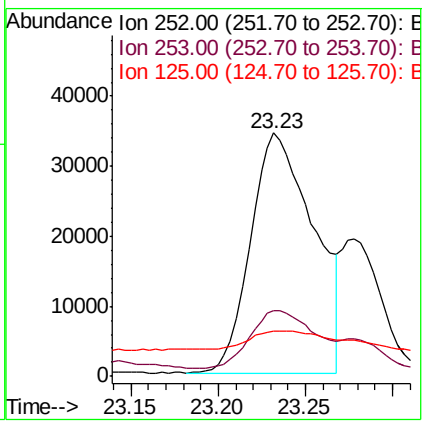
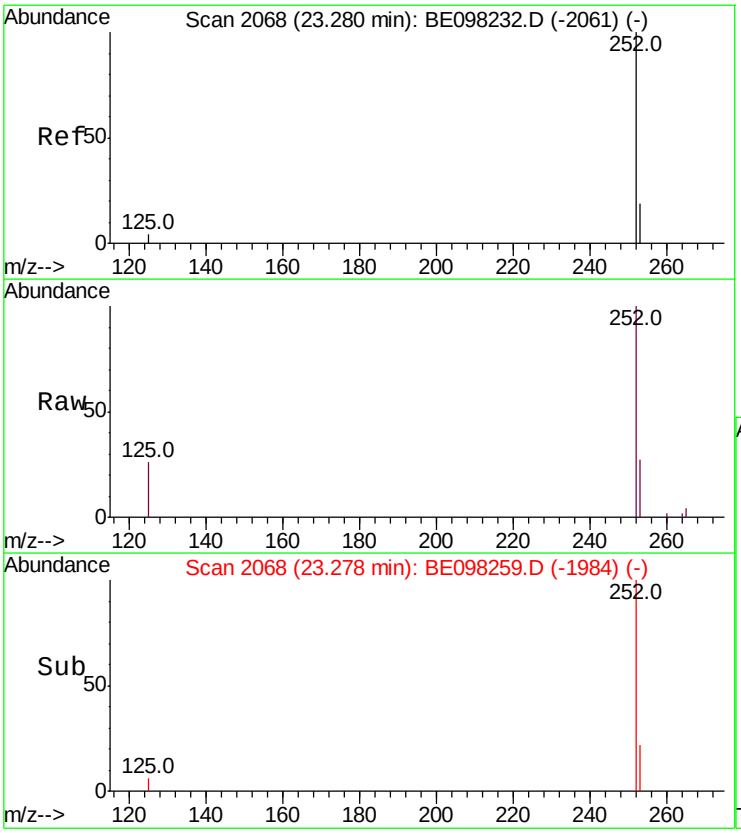
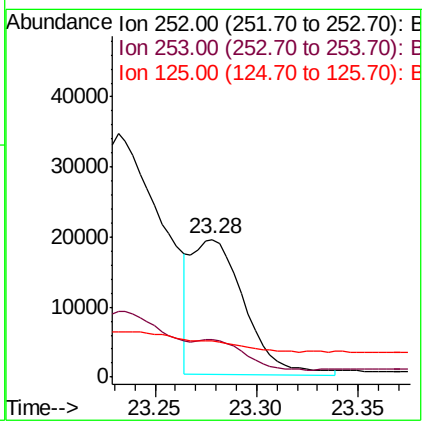


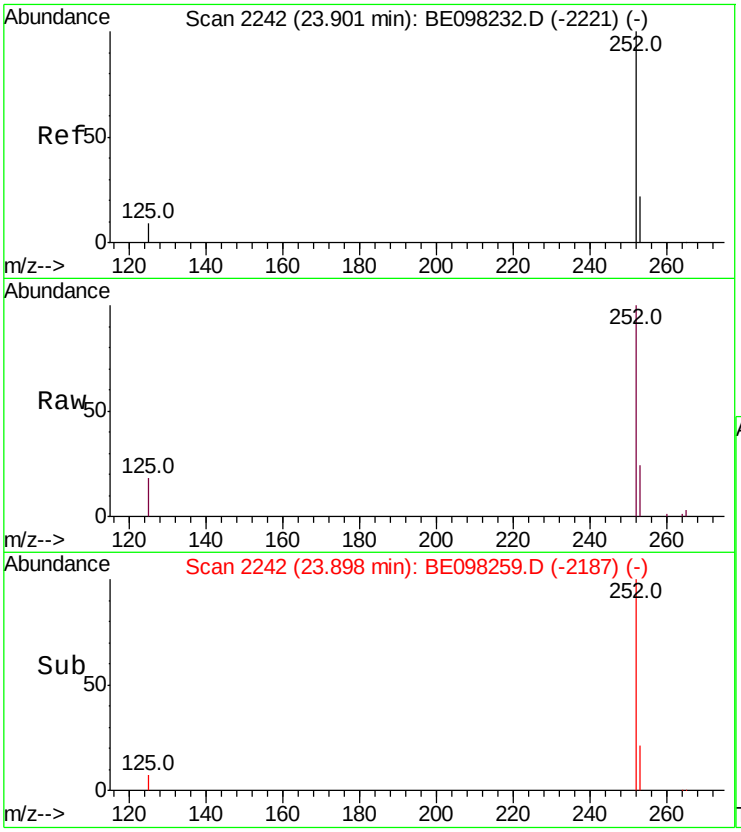


#36
Benzo(k)fluoranthene
Concen: 1.031 ng m
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:252 Resp: 35323

Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.6	28.0
125	26.2	7.4	11.0#

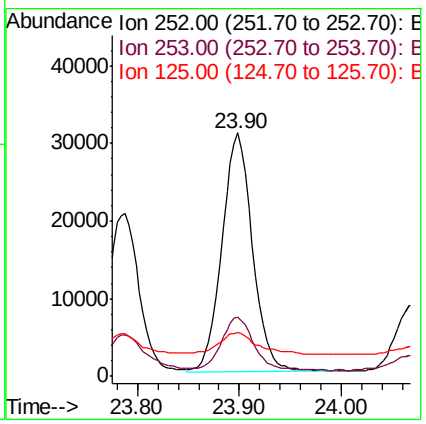




#37
Benzo(a)pyrene
Concen: 2.138 ng
RT: 23.90 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:252 Resp: 63690

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	27.8
125	18.0	8.0	12.0#



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

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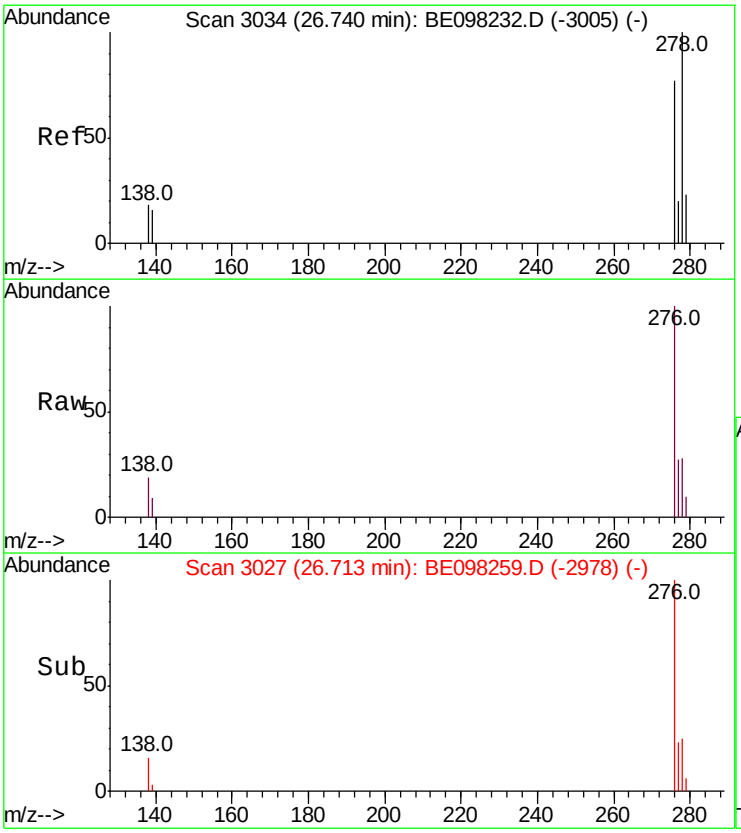
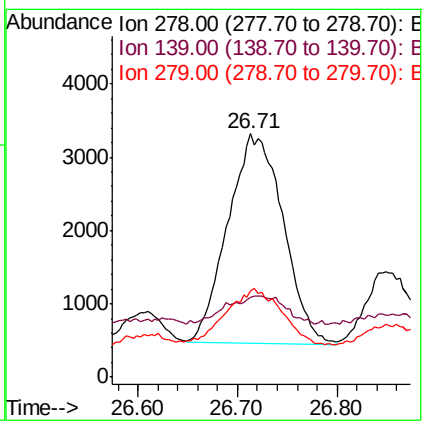
mohammad
11/23/2018 11:47:30 AM

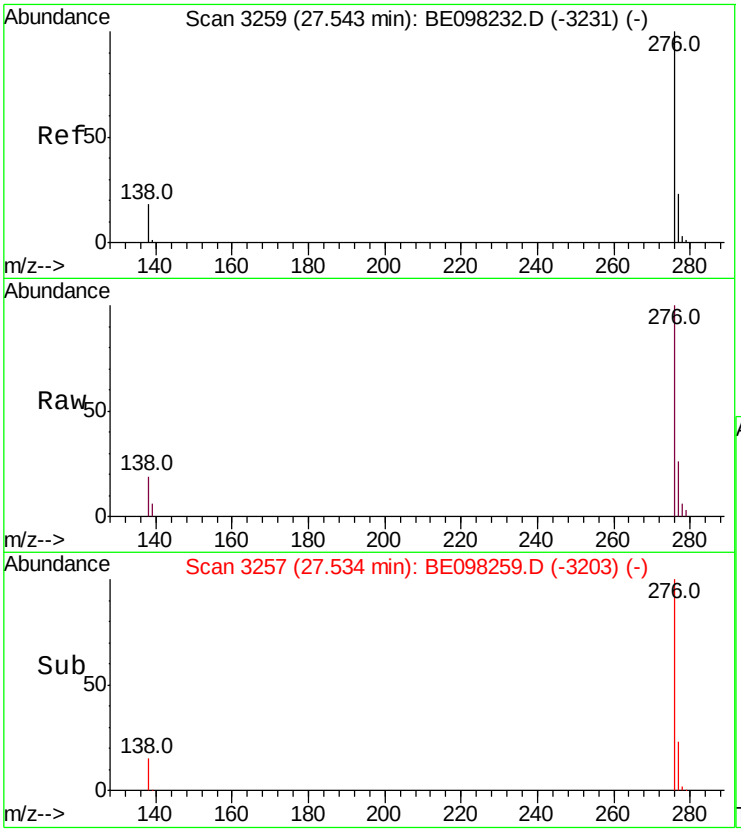


#38
Dibenzo(a,h)anthracene
Concen: 0.462 ng
RT: 26.71 min Scan# 3027
Delta R.T. -0.03 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:278 Resp: 11032

Ion	Ratio	Lower	Upper
278	100		
139	32.9	16.4	24.6#
279	35.2	21.3	31.9#

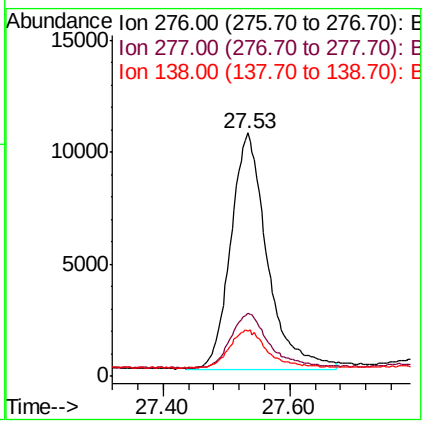




#39
Benzo(g,h,i)perylene
Concen: 1.632 ng
RT: 27.53 min Scan# 3257
Delta R.T. -0.01 min
Lab File: BE098259.D
Acq: 21 Nov 2018 12:46

Tgt Ion:276 Resp: 41957

Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.4	30.6
138	18.6	13.2	19.8



Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
mohammad
11/23/2018 11:47:30 AM