Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112118\
Data File : BE098260.D
Acq On : 21 Nov 2018 13:25
Operator : SJ/JU
Sample : J5996-07MSD 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
AOC8-01R-C

Manual Integrations APPROVED
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11/23/2018 11:47:33 AM

Quant Time: Nov 22 00:25:24 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	7.86	152	1527	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	7253	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4679	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	10767	0.40	ng		0.00
27) Chrysene-d12	21.46	240	12161	0.40	ng		0.00
34) Perylene-d12	24.02	264	11523	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	125	0.03	ng		0.00
5) Phenol-d6	7.04	99	220	0.03	ng		0.00
8) Nitrobenzene-d5	9.03	82	207	0.03	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	371	0.03	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	71	0.05	ng		-0.01
15) 2-Fluorobiphenyl	13.16	172	520	0.03	ng		0.01
25) Fluoranthene-d10	19.31	212	3490	0.03	ng		0.00
29) Terphenyl-d14	19.91	244	808	0.03	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	80	0.033	ng	#	26
3) n-Nitrosodimethylamine	3.68	42	77	0.029	ng	#	48
9) Naphthalene	10.72	128	9061	0.123	ng	#	97
12) 2-Methylnaphthalene	12.34	142	1966	0.151	ng		94
16) Acenaphthylene	14.25	152	10630	0.477	ng		97
17) Acenaphthene	14.60	154	2252	0.169	ng		97
18) Fluorene	15.57	166	5658	0.334	ng	#	91
22) Pentachlorophenol	16.93	266	14	0.110	ng	#	81
23) Phenanthrene	17.32	178	61484	2.219	ng		99
24) Anthracene	17.41	178	18464	0.734	ng		99
26) Fluoranthene	19.34	202	153418	4.615	ng		99
28) Pyrene	19.70	202	138046	3.883	ng	#	96
30) Benzo(a)anthracene	21.45	228	99677	2.833	ng		94
31) Chrysene	21.50	228	77936	2.153	ng		96
32) Bis(2-ethylhexyl)phthalate	21.37	149	6274	0.114	ng	#	88
33) Indeno(1,2,3-cd)pyrene	26.70	276	55799	1.801	ng	#	94
35) Benzo(b)fluoranthene	23.23	252	114139	3.508	ng	#	96
36) Benzo(k)fluoranthene	23.28	252	41187m	1.121	ng		
37) Benzo(a)pyrene	23.90	252	85277	2.669	ng	#	96
38) Dibenzo(a,h)anthracene	26.72	278	13690	0.535	ng	#	86
39) Benzo(g,h,i)perylene	27.53	276	52690	1.910	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
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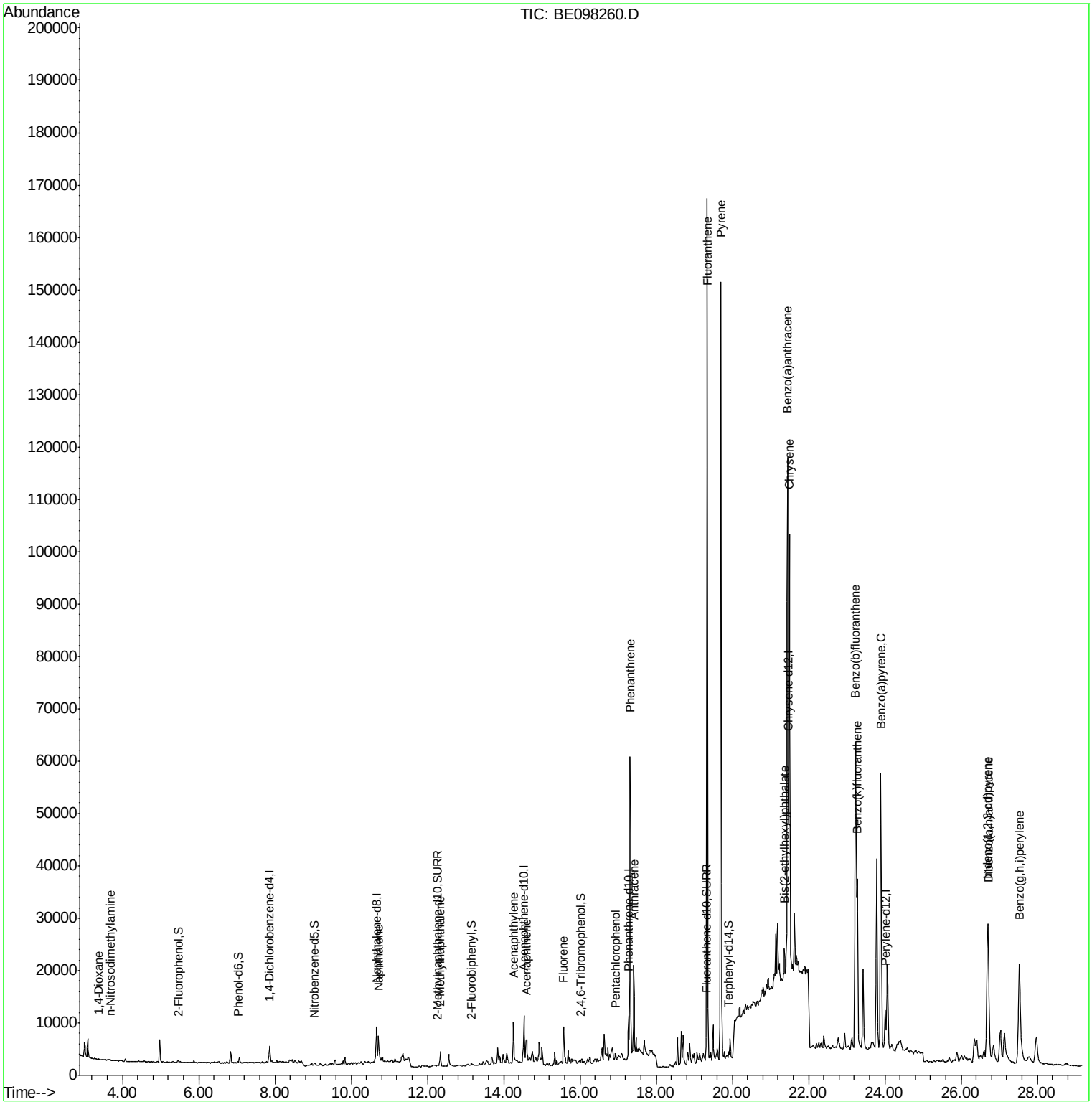
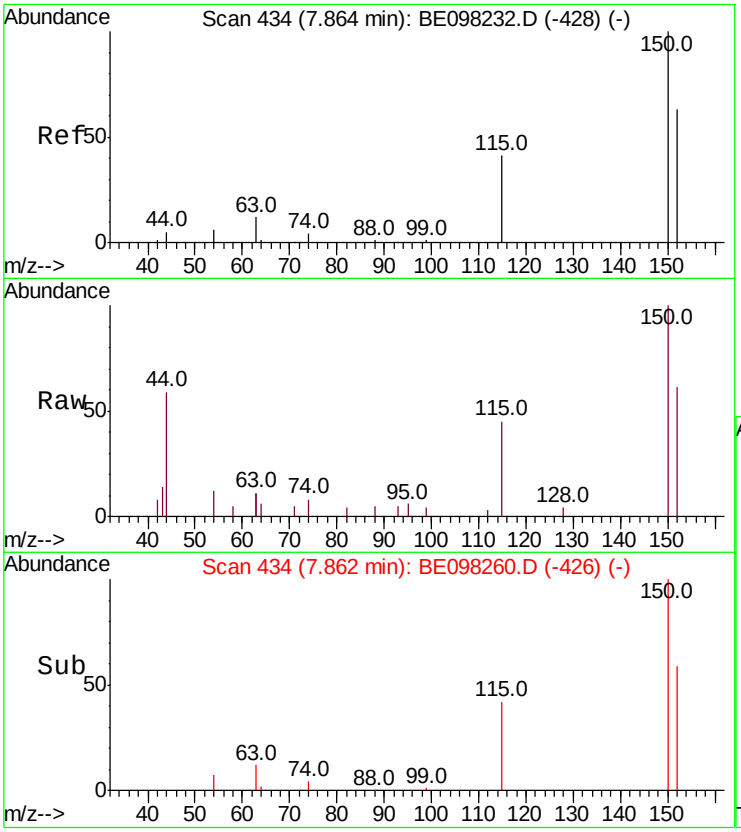
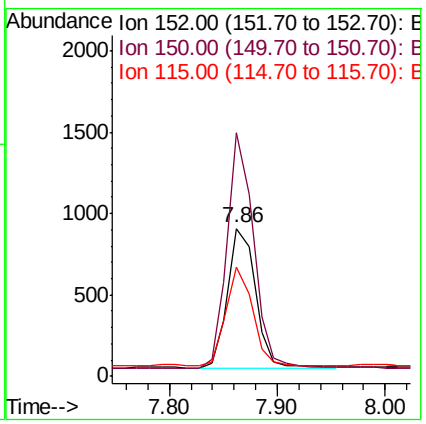




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:152 Resp: 1527

Ion	Ratio	Lower	Upper
152	100		
150	164.9	127.5	191.3
115	74.3	60.3	90.5



Instrument :
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ClientSampleId :
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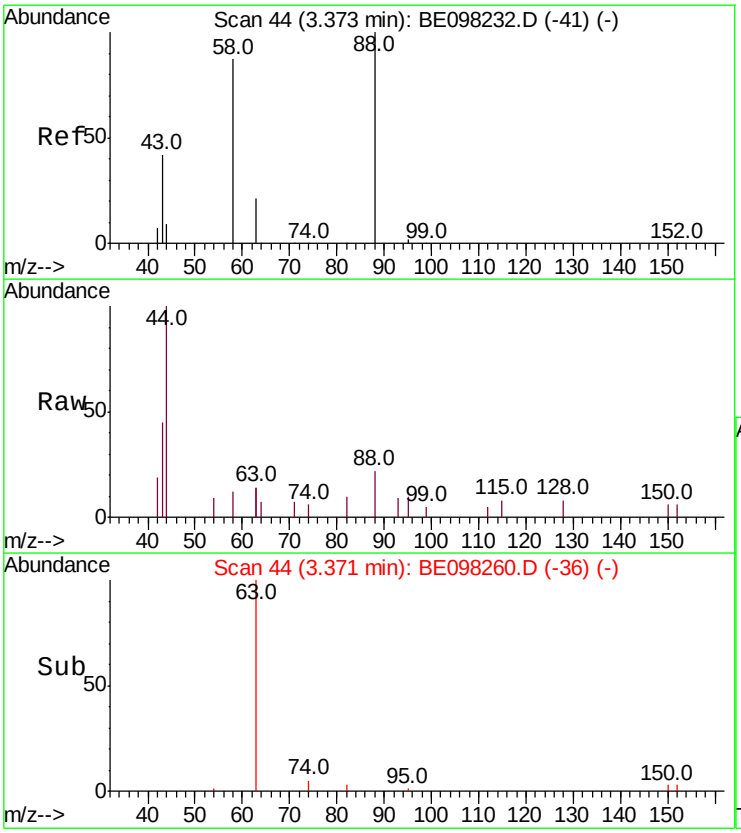
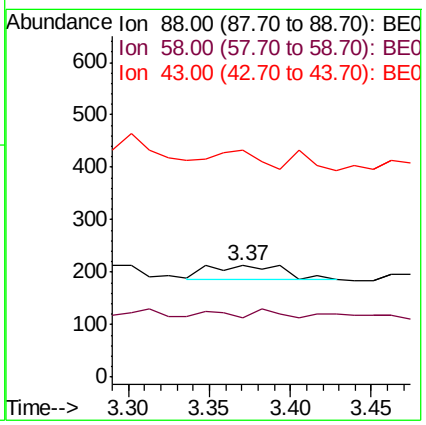
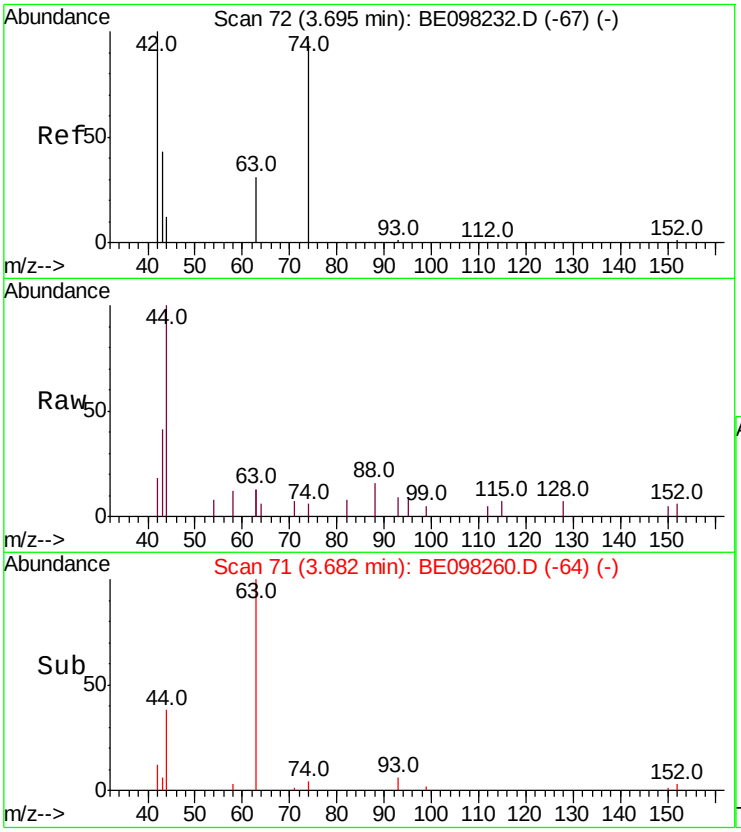


#2
1,4-Dioxane
Concen: 0.033 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion: 88 Resp: 80

Ion	Ratio	Lower	Upper
88	100		
58	21.3	79.0	118.4#
43	92.5	38.1	57.1#

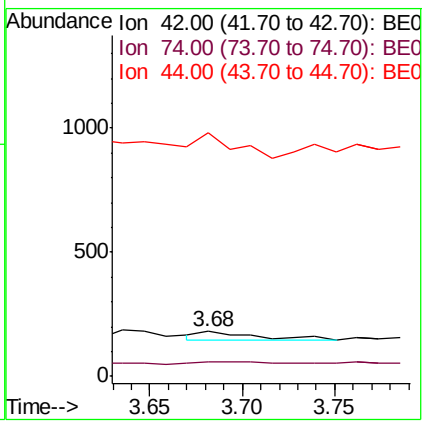




#3
n-Nitrosodimethylamine
Concen: 0.029 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion: 42 Resp: 77

Ion	Ratio	Lower	Upper
42	100		
74	29.9	61.7	92.5#
44	0.0	14.0	21.0#



Instrument :
BNA_E
ClientSampleId :
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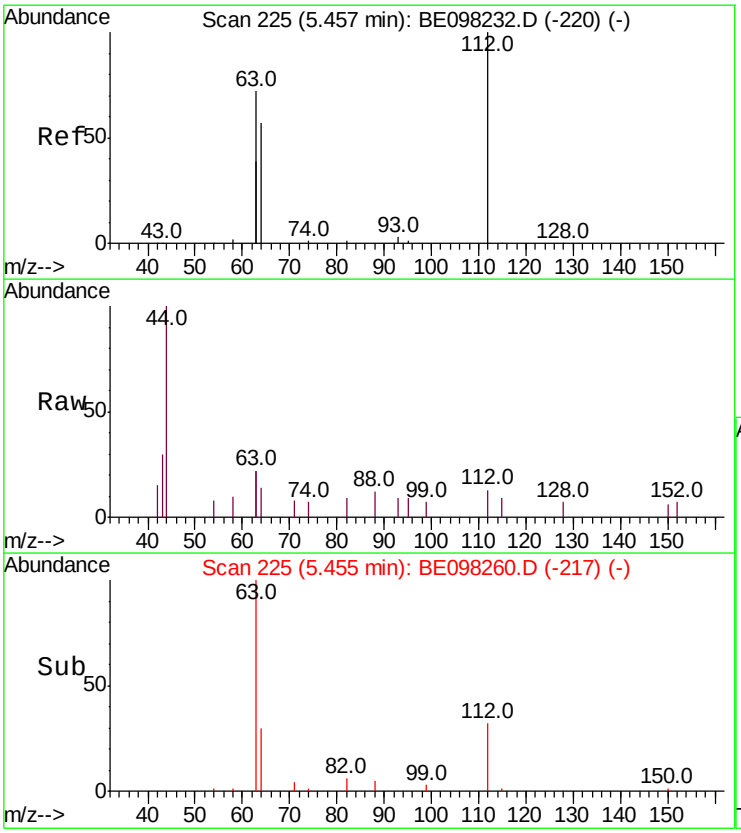
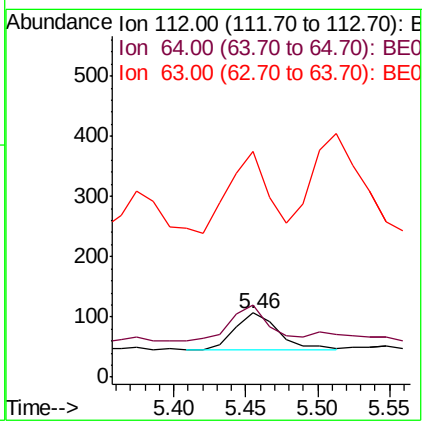
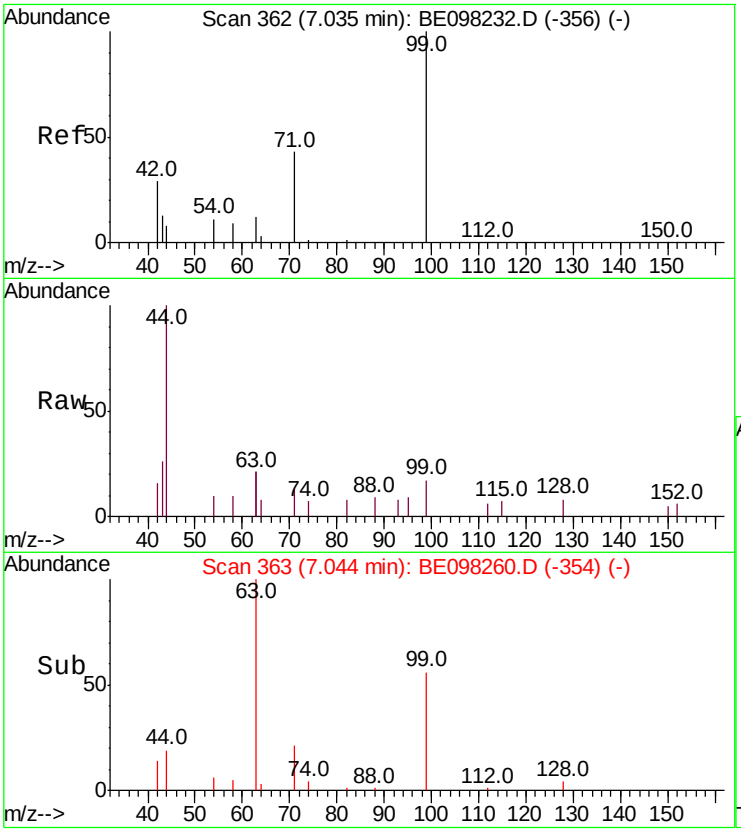


#4
2-Fluorophenol
Concen: 0.031 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:112 Resp: 125

Ion	Ratio	Lower	Upper
112	100		
64	88.8	61.7	92.5
63	204.8	136.2	204.2#





#5
Phenol-d6
Concen: 0.034 ng
RT: 7.04 min Scan# 363
Delta R.T. 0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion: 99 Resp: 220

Ion	Ratio	Lower	Upper
99	100		
42	85.0	27.1	40.7#
71	0.0	37.0	55.6#

Instrument :
BNA_E
ClientSampleId :
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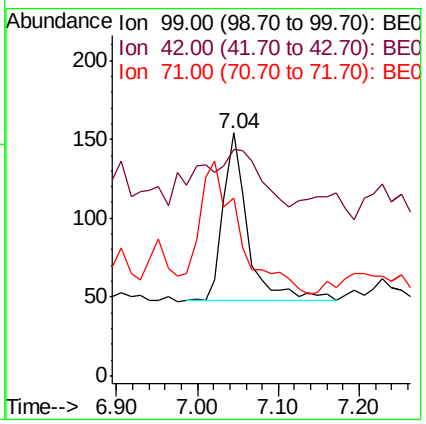
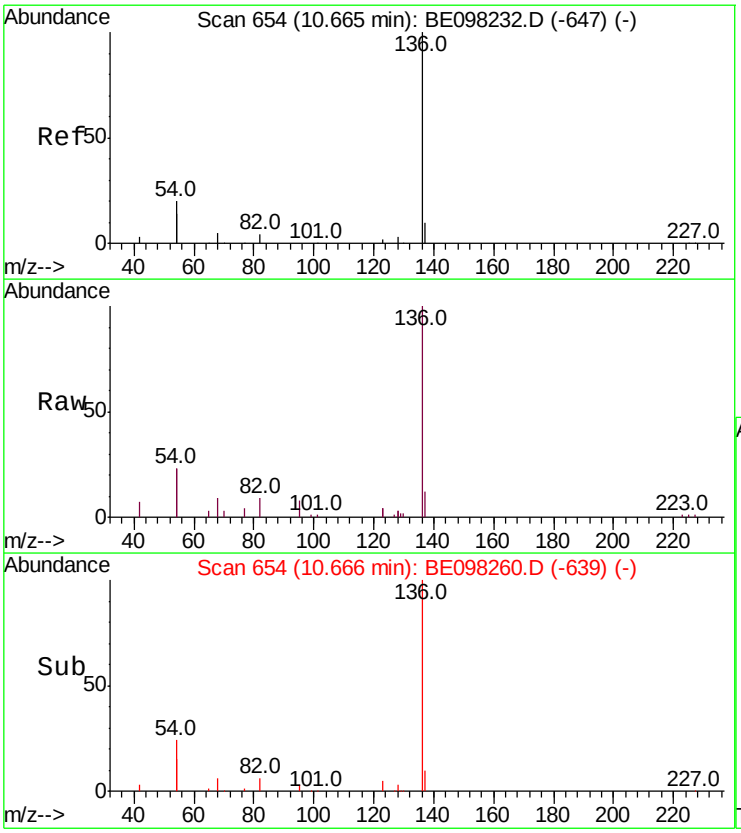
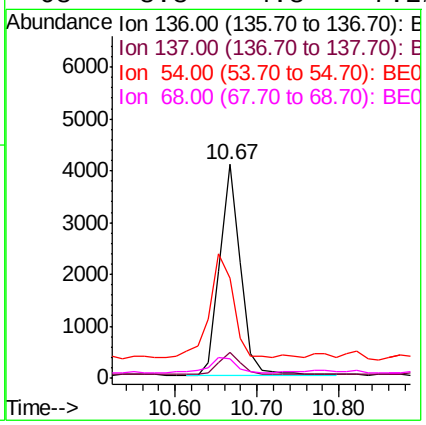


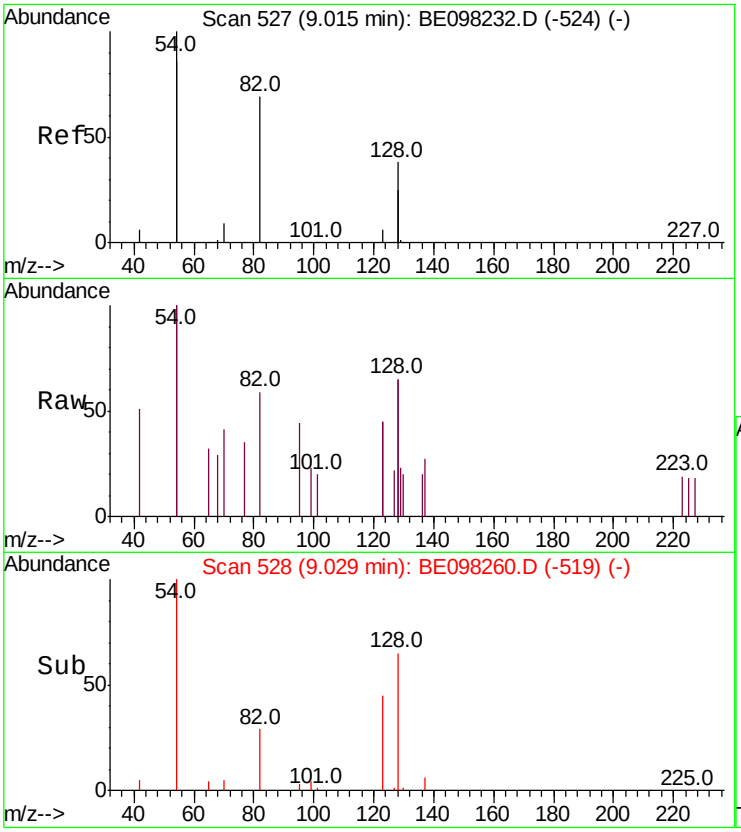


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:136 Resp: 7253

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	46.5	31.3	46.9
68	8.8	4.8	7.2#

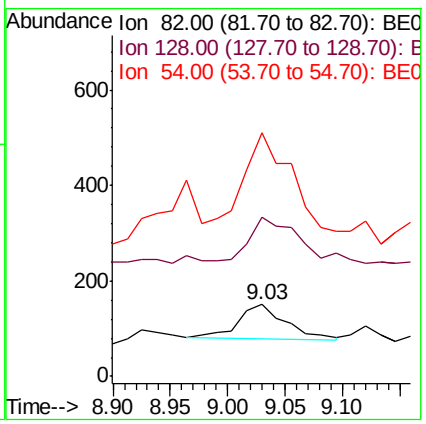




#8
Nitrobenzene-d5
Concen: 0.030 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion: 82 Resp: 207

Ion	Ratio	Lower	Upper
82	100		
128	221.2	96.1	144.1#
54	337.7	232.0	348.0



Instrument :
BNA_E
ClientSampleId :
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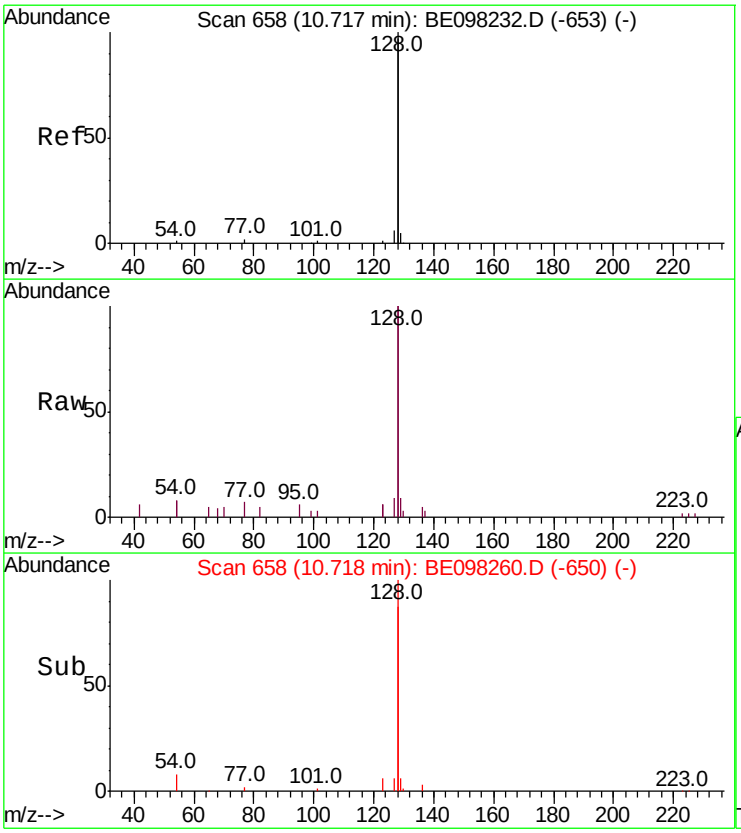
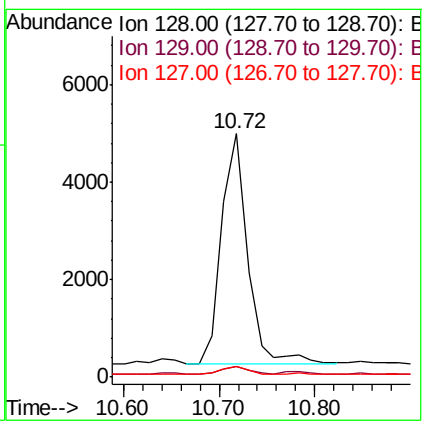
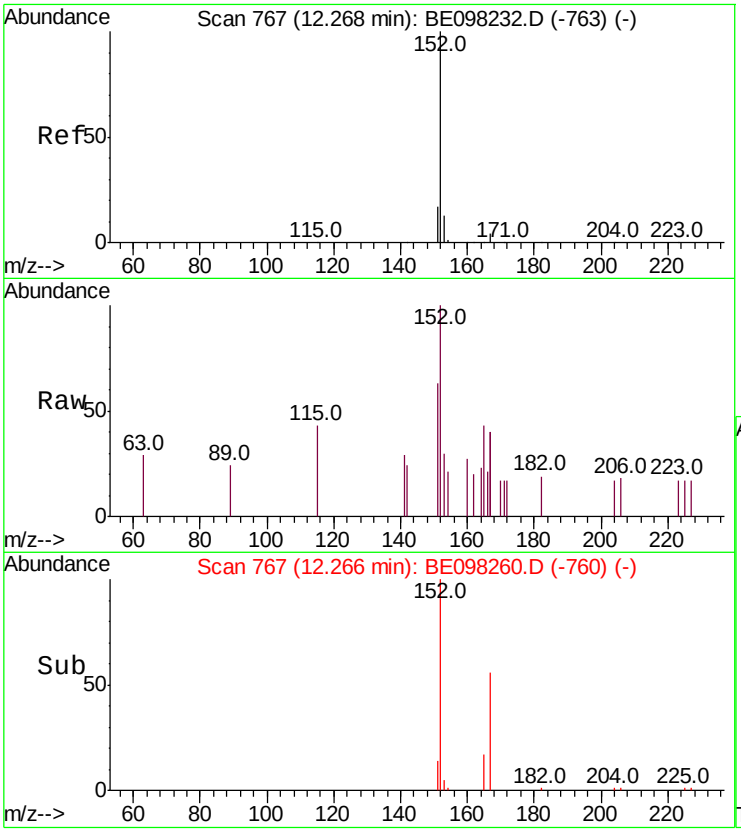


#9
Naphthalene
Concen: 0.123 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:128 Resp: 9061

Ion	Ratio	Lower	Upper
128	100		
129	4.4	2.6	4.0#
127	4.4	2.8	4.2#

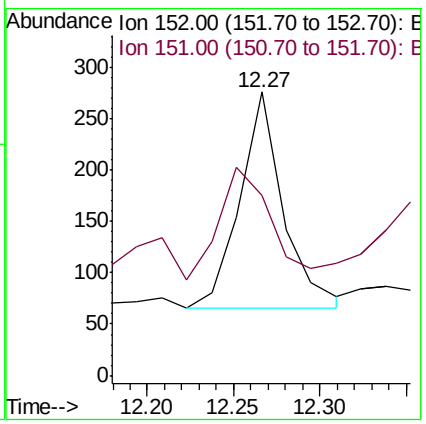




#11
2-Methylnaphthalene-d10
Concen: 0.029 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:152 Resp: 371

Ion	Ratio	Lower	Upper
152	100		
151	61.2	15.4	23.2#



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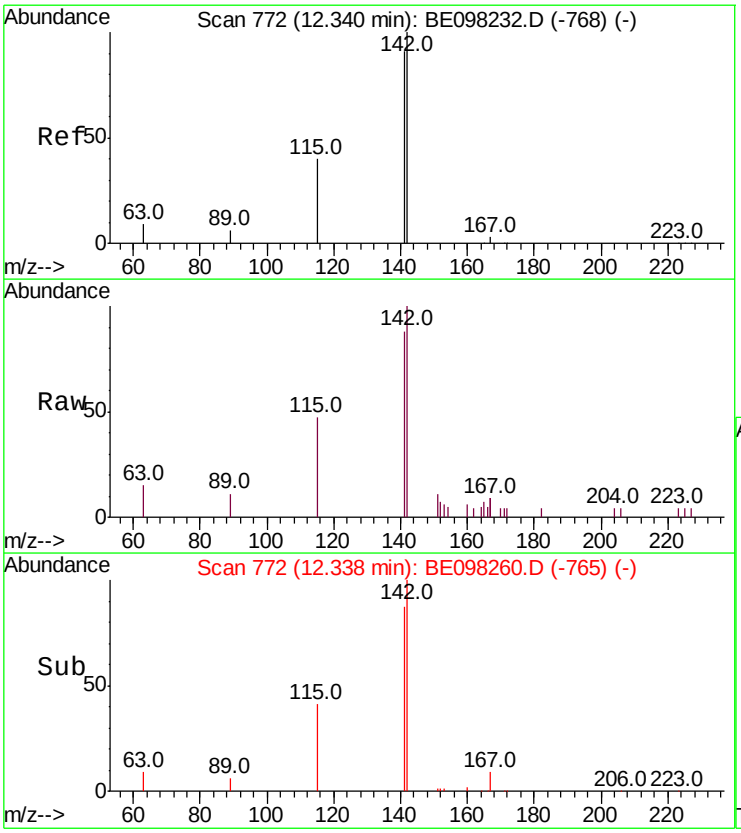
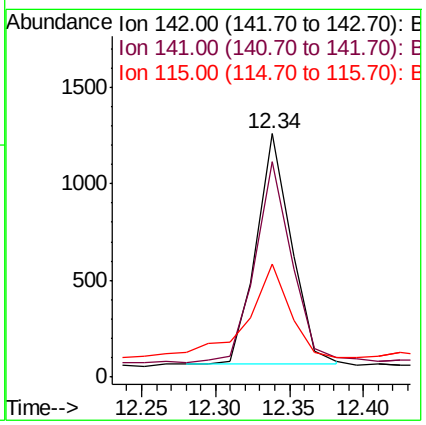
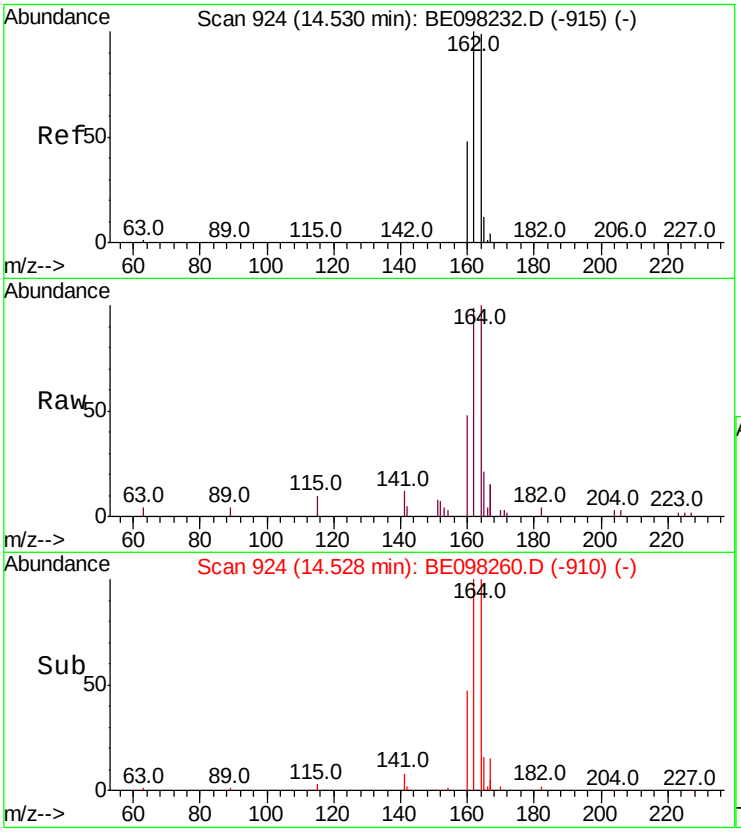


#12
2-Methylnaphthalene
Concen: 0.151 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:142 Resp: 1966

Ion	Ratio	Lower	Upper
142	100		
141	88.5	76.3	114.5
115	46.5	35.8	53.8

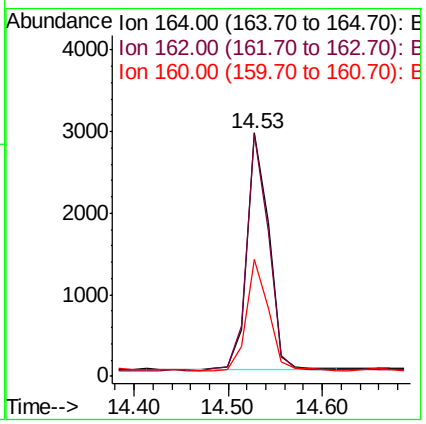




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:164 Resp: 4679

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.8	122.6
160	47.8	39.4	59.0



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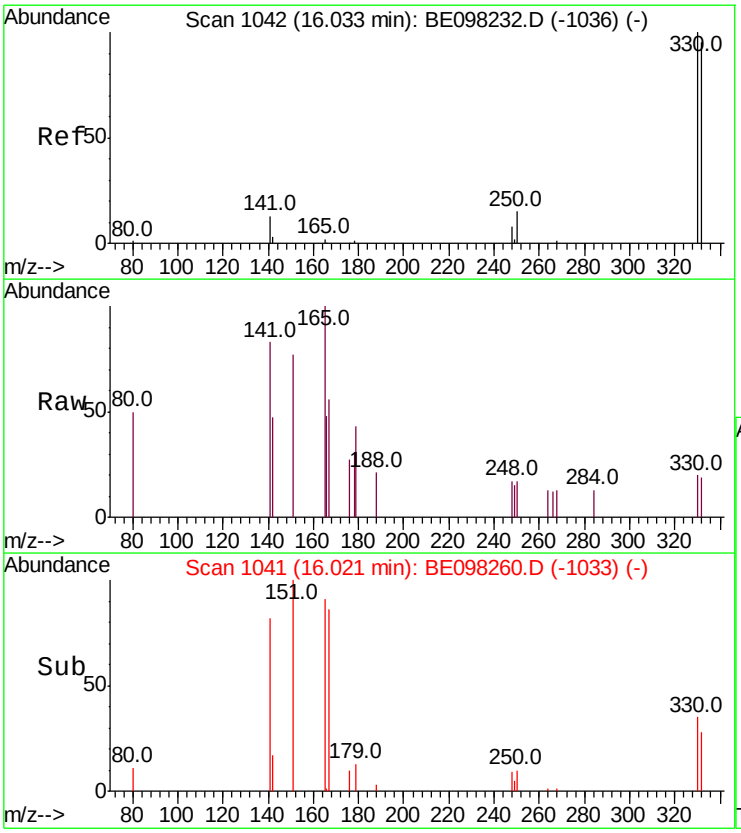
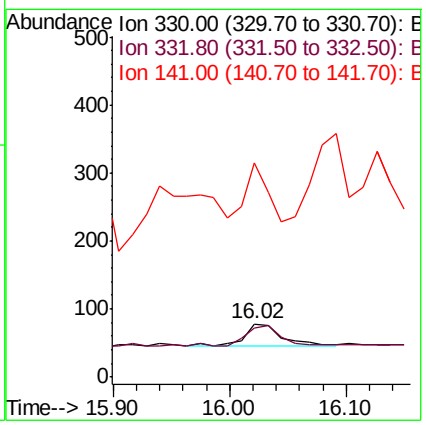
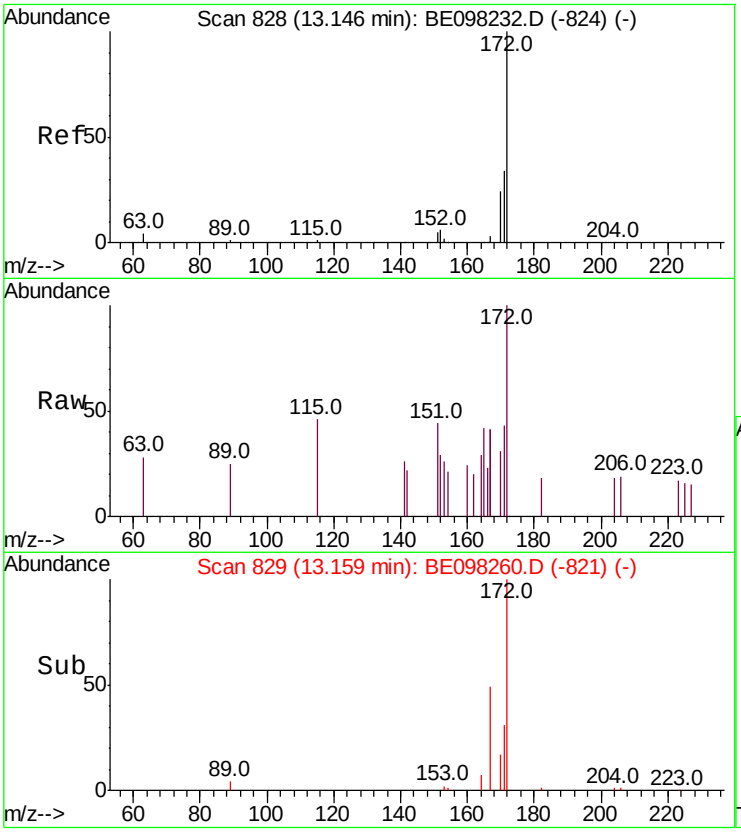


#14
2,4,6-Tribromophenol
Concen: 0.047 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:330 Resp: 71

Ion	Ratio	Lower	Upper
330	100		
332	90.1	77.7	116.5
141	146.5	33.6	50.4#

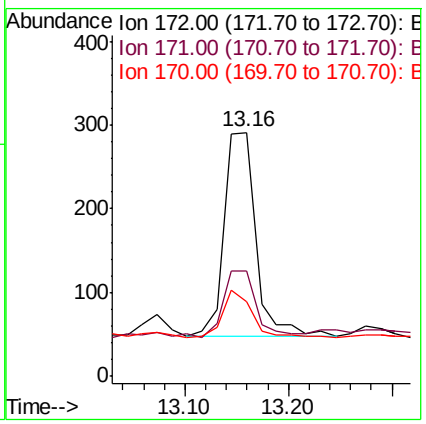




#15
2-Fluorobiphenyl
Concen: 0.026 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:172 Resp: 520

Ion	Ratio	Lower	Upper
172	100		
171	43.3	27.3	40.9#
170	30.6	19.4	29.0#



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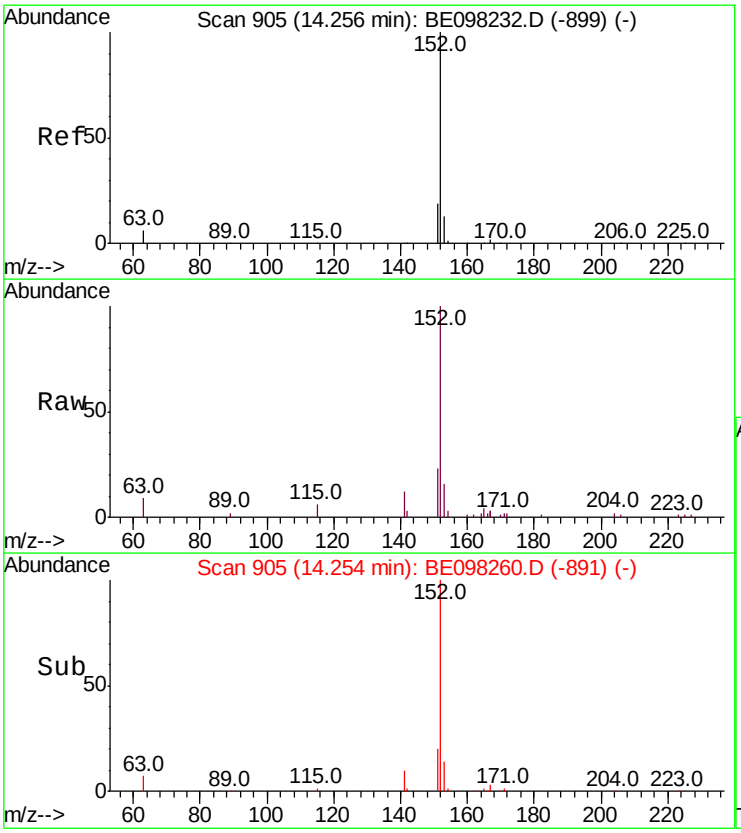
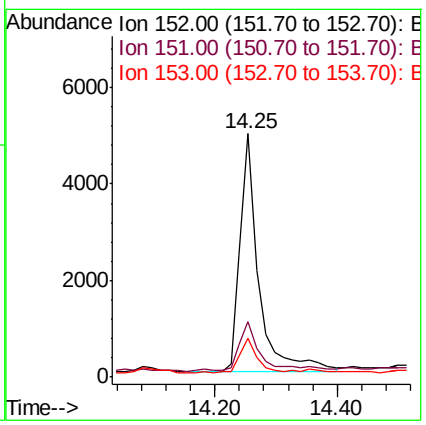
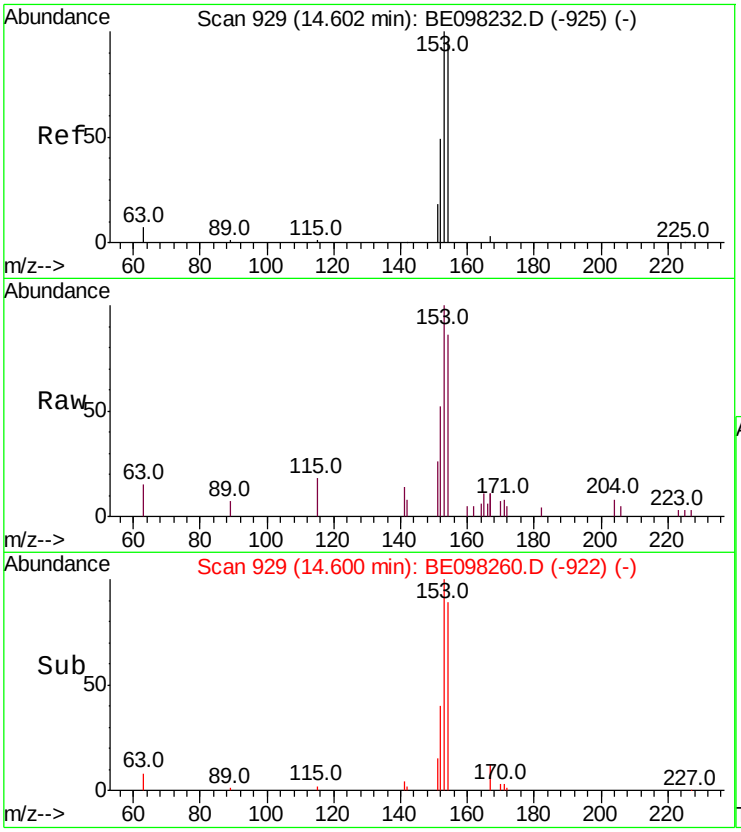


#16
Acenaphthylene
Concen: 0.477 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:152 Resp: 10630

Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.4	24.6
153	13.2	10.6	15.8

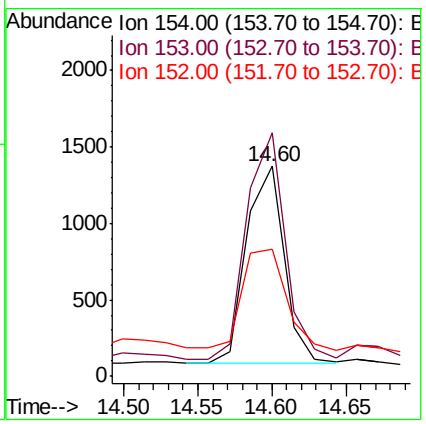




#17
Acenaphthene
Concen: 0.169 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:154 Resp: 2252

Ion	Ratio	Lower	Upper
154	100		
153	119.0	92.1	138.1
152	60.0	46.2	69.2



Instrument :
BNA_E
ClientSampleId :
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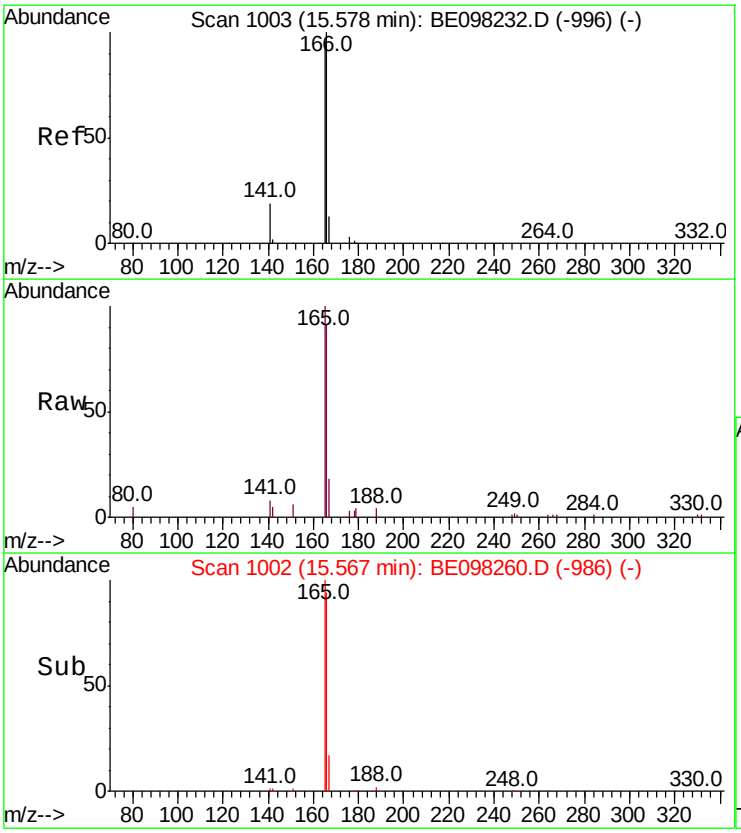
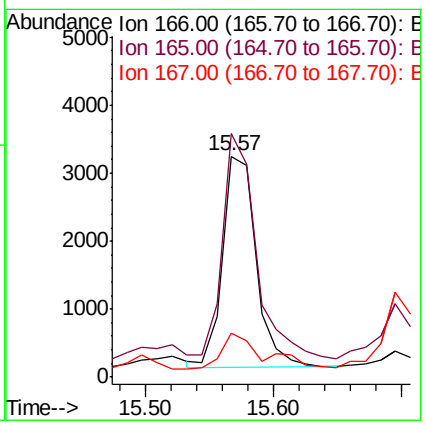
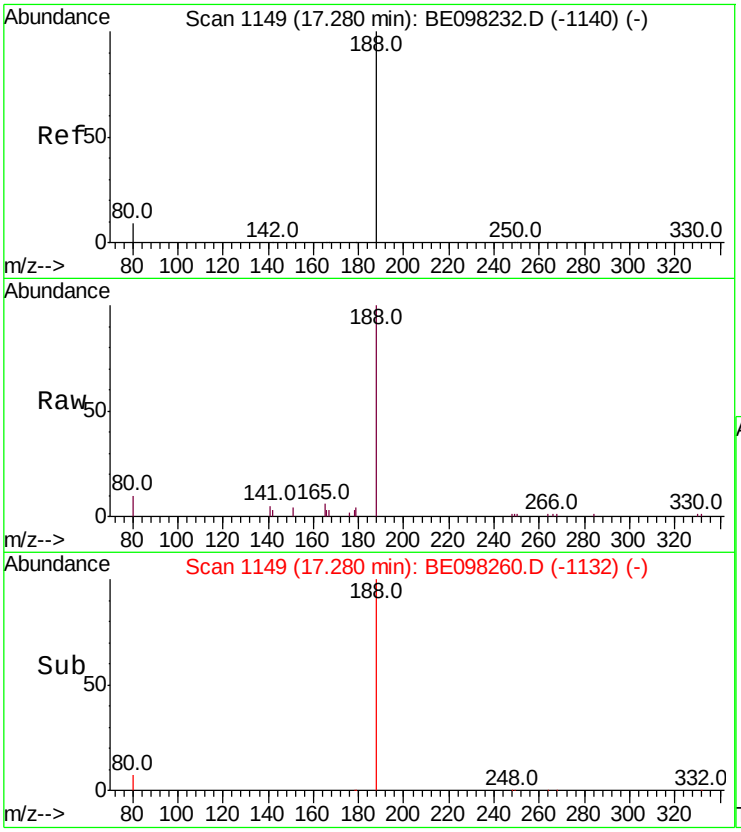


#18
Fluorene
Concen: 0.334 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:166 Resp: 5658

Ion	Ratio	Lower	Upper
166	100		
165	107.5	80.1	120.1
167	22.0	10.8	16.2#

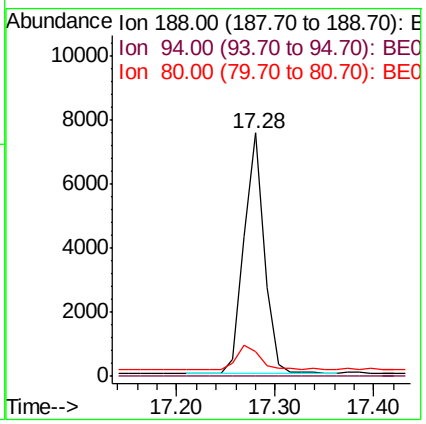




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:188 Resp: 10767

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



Instrument :
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ClientSampleId :
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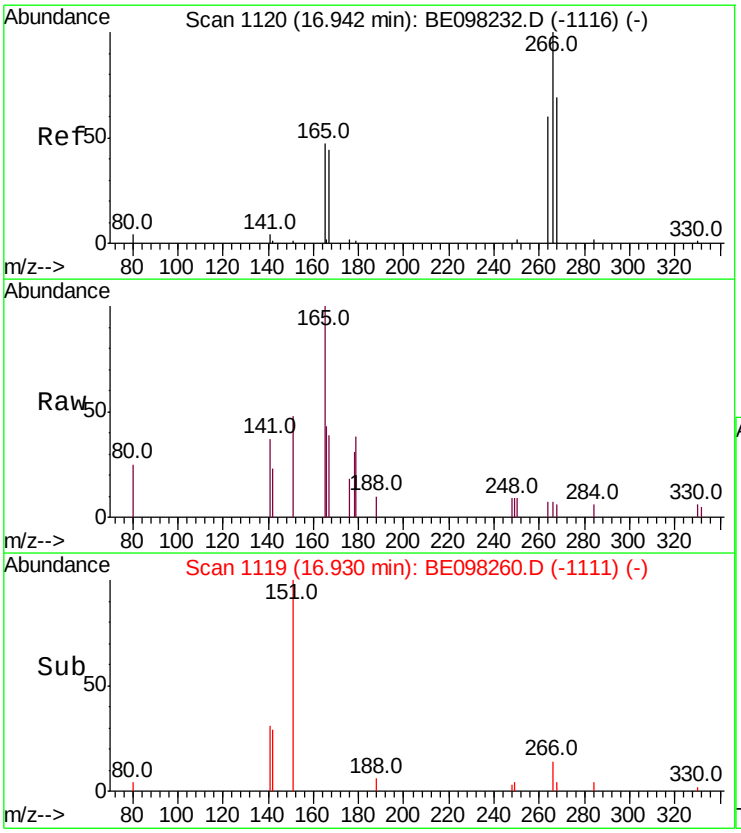
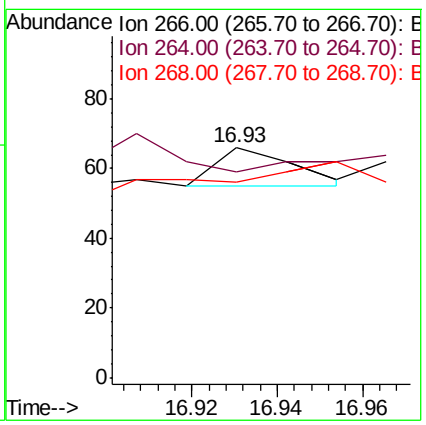
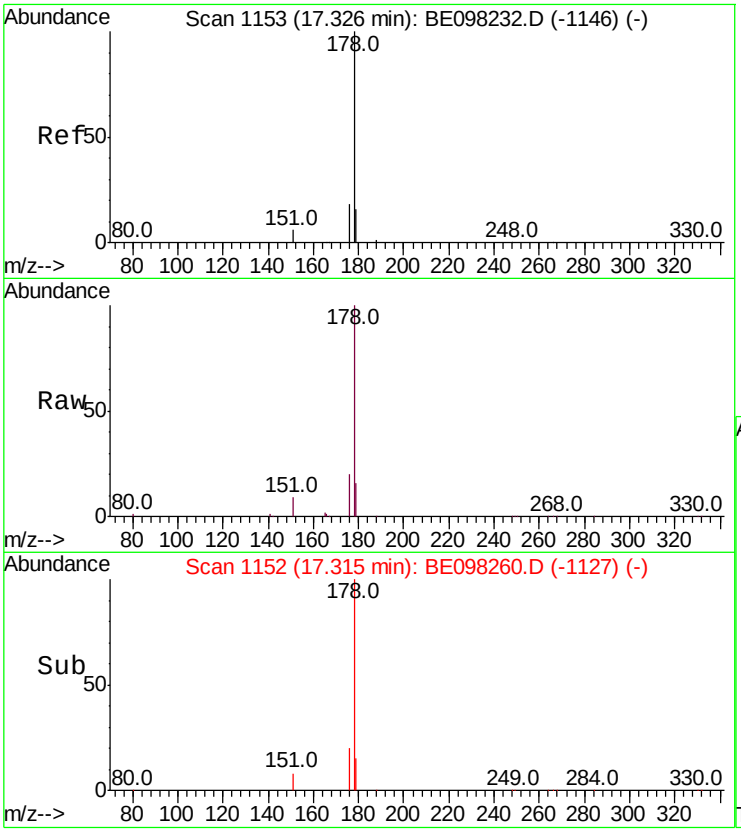


#22
Pentachlorophenol
Concen: 0.110 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:266 Resp: 14

Ion	Ratio	Lower	Upper
266	100		
264	89.4	57.6	86.4#
268	84.8	56.8	85.2

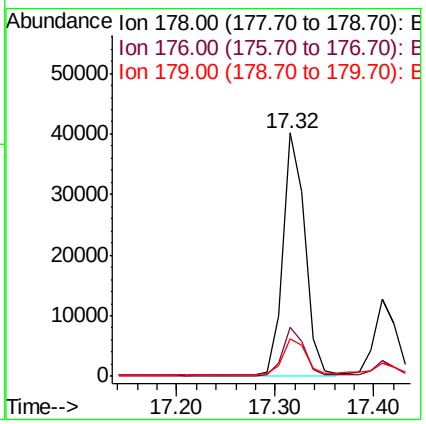




#23
Phenanthrene
Concen: 2.219 ng
RT: 17.32 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:178 Resp: 61484

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.2	12.3	18.5



Instrument :
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ClientSampleId :
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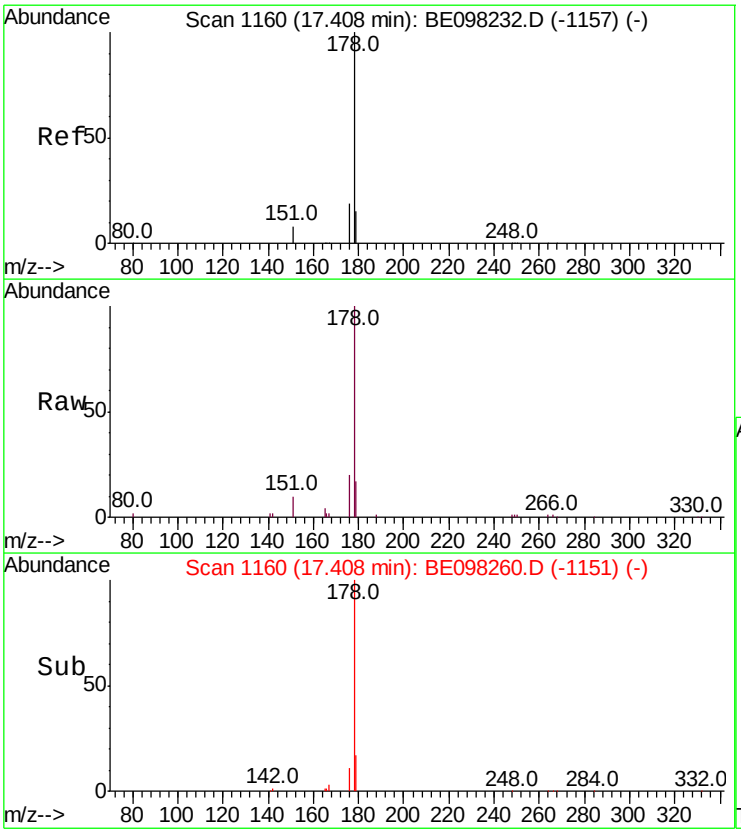
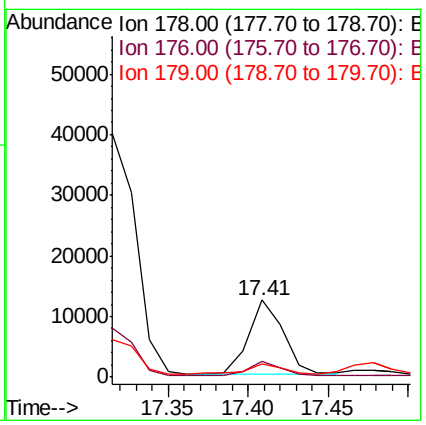
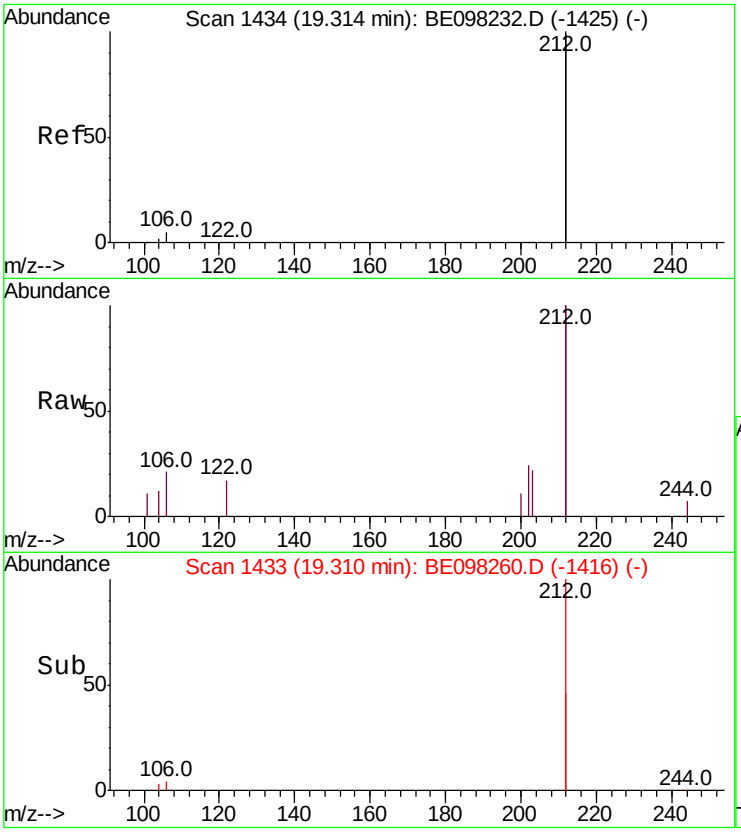


#24
Anthracene
Concen: 0.734 ng
RT: 17.41 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:178 Resp: 18464

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.7	23.5
179	15.3	12.1	18.1





#25
Fluoranthene-d10
Concen: 0.027 ng
RT: 19.31 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:212 Resp: 3490

Ion	Ratio	Lower	Upper
212	100		
106	3.3	1.8	2.8#
104	2.0	1.1	1.7#

Instrument :
BNA_E
ClientSampleId :
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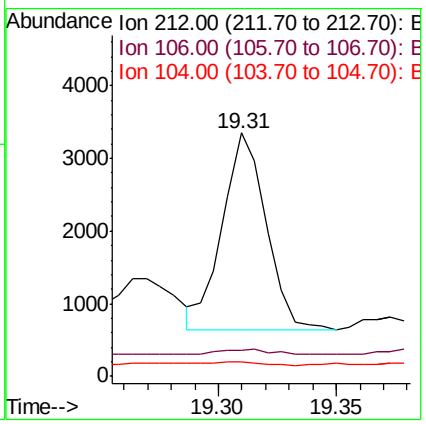
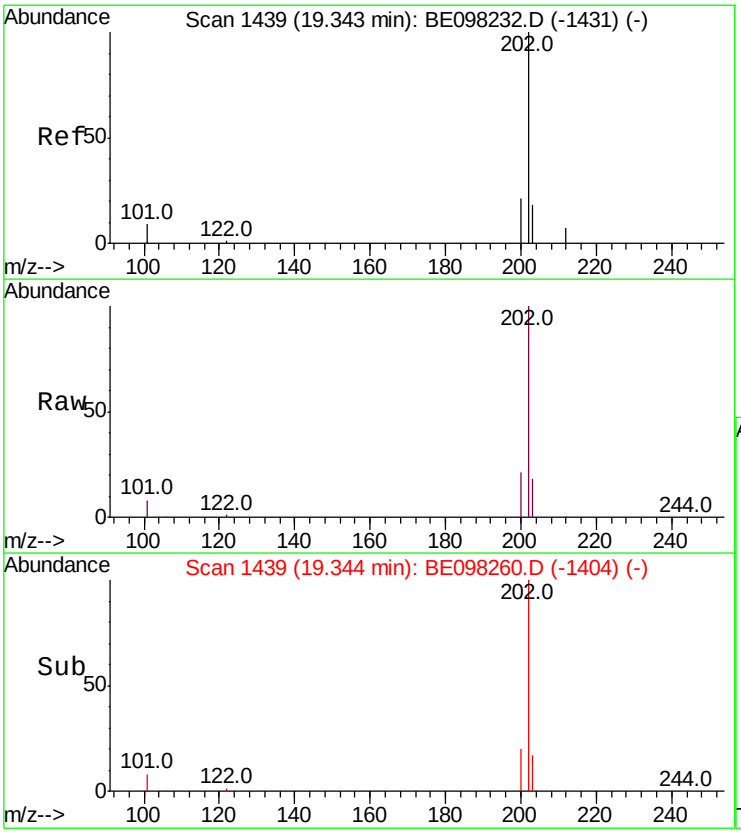
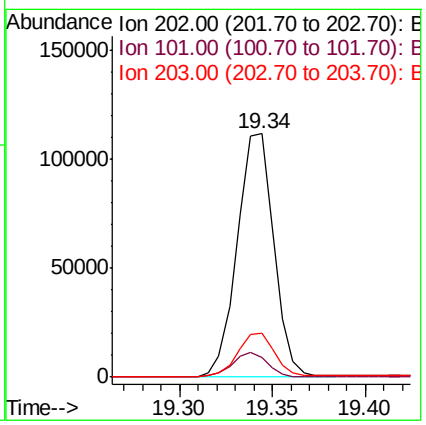


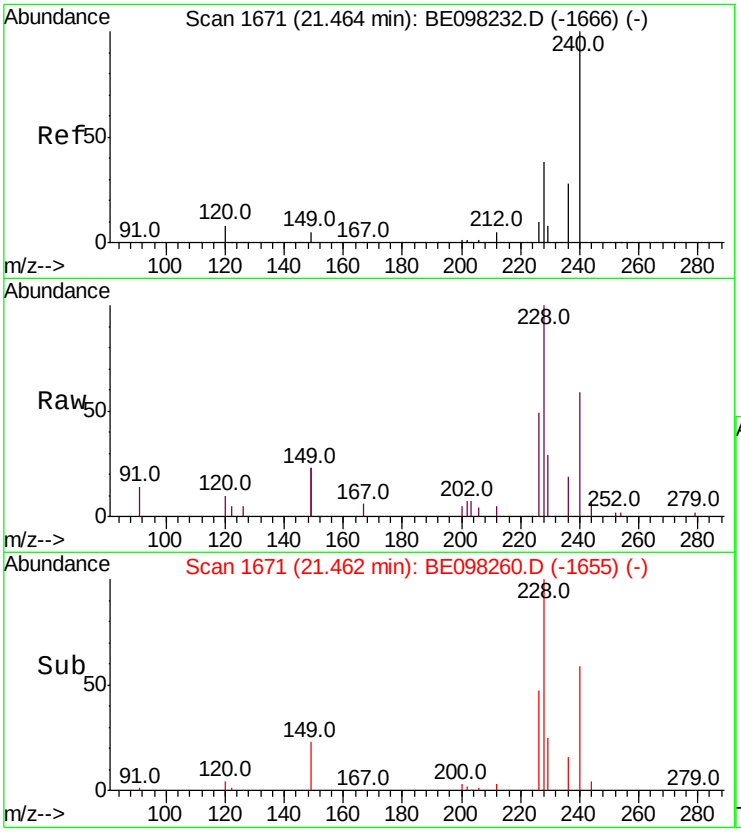


#26
Fluoranthene
Concen: 4.615 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:202 Resp: 153418

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.0	10.6
203	17.6	13.7	20.5

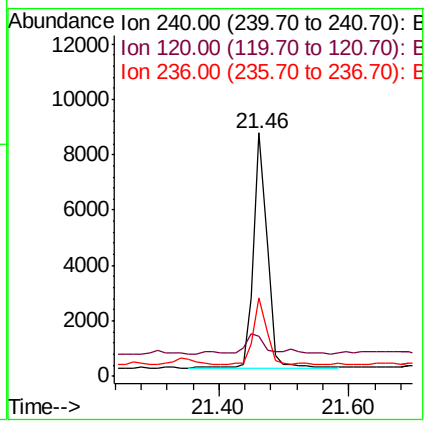




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:240 Resp: 12161

Ion	Ratio	Lower	Upper
240	100		
120	16.2	4.8	7.2#
236	32.0	21.4	32.0



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ClientSampleId :
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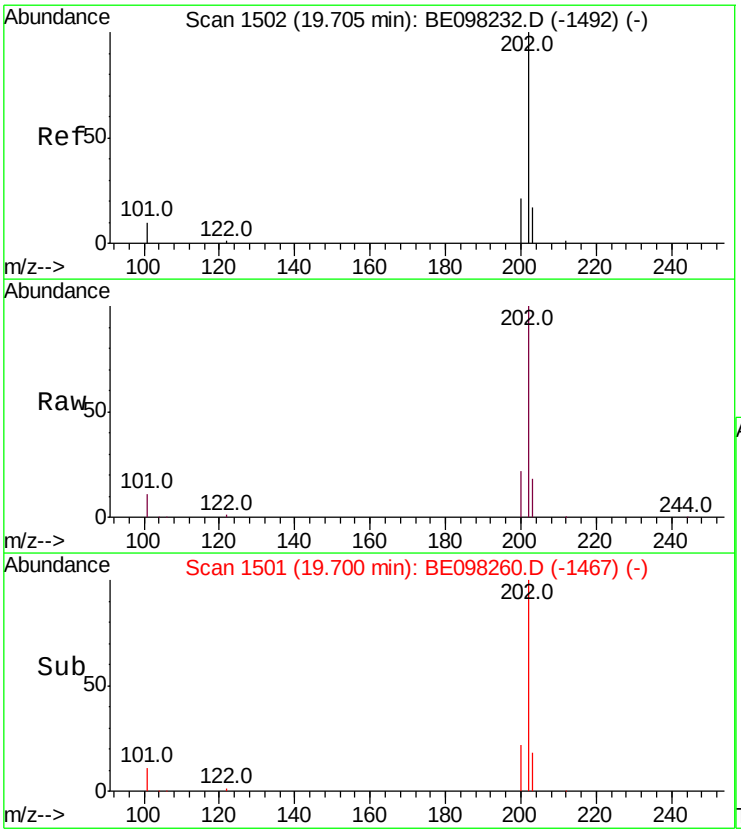
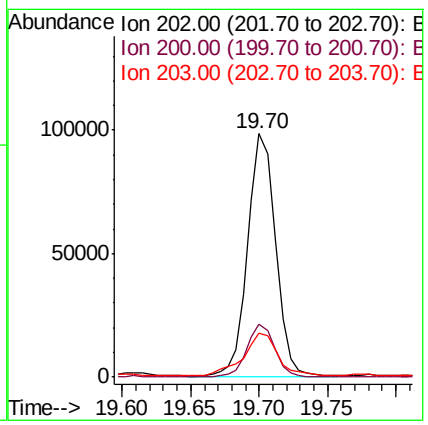
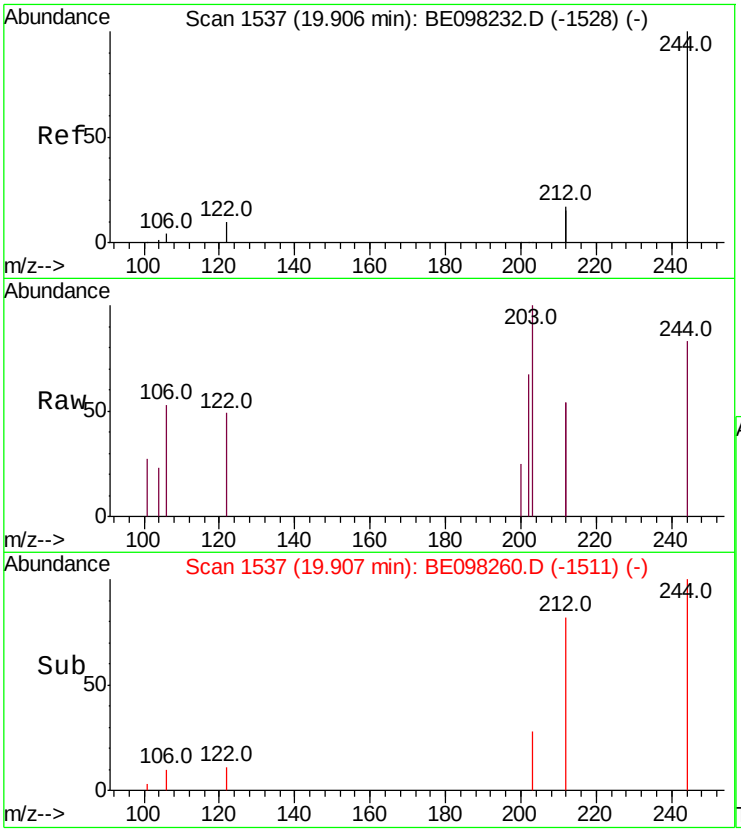


#28
Pyrene
Concen: 3.883 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:202 Resp: 138046

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	21.7	14.2	21.4#

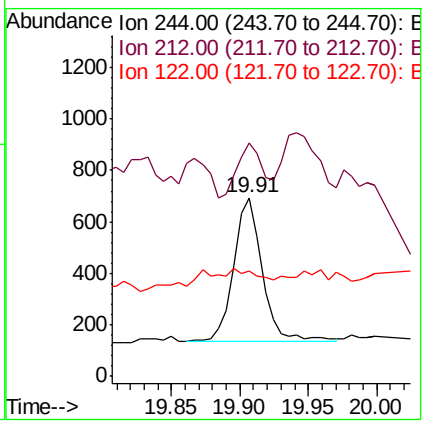




#29
Terphenyl-d14
Concen: 0.029 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:244 Resp: 808

Ion	Ratio	Lower	Upper
244	100		
212	130.8	26.8	40.2#
122	59.4	7.0	10.6#



Instrument :
BNA_E
ClientSampleId :
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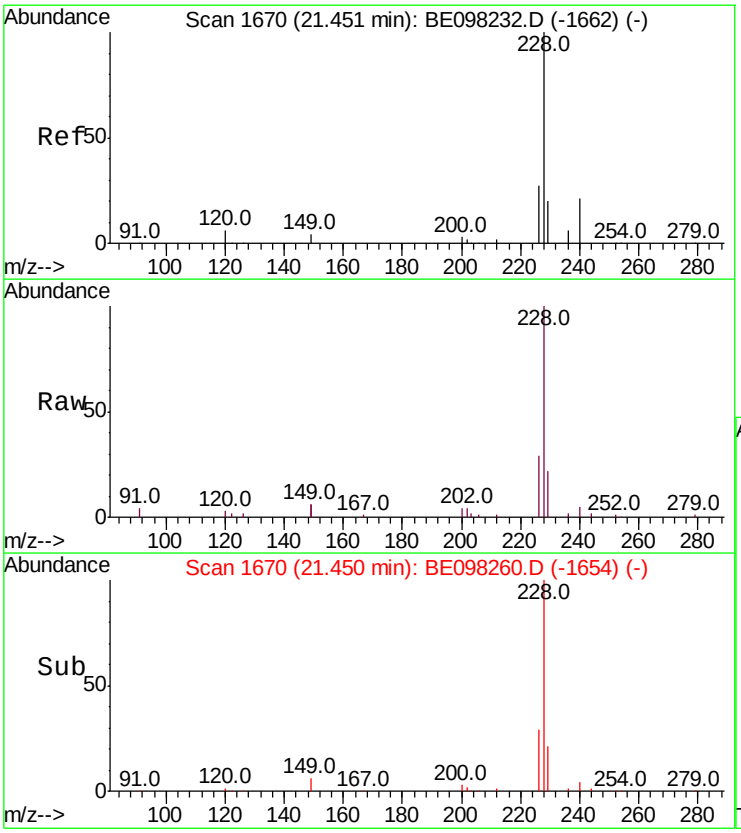
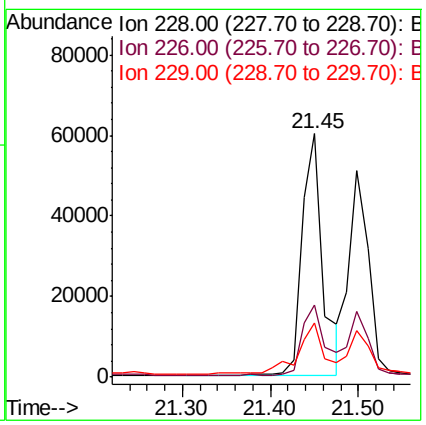
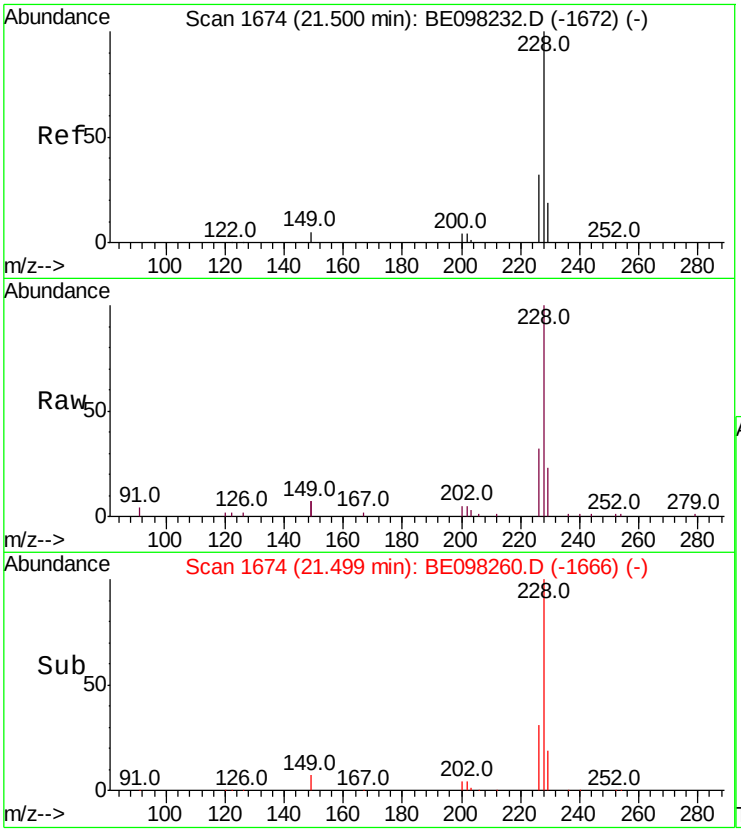


#30
Benzo(a)anthracene
Concen: 2.833 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:228 Resp: 99677

Ion	Ratio	Lower	Upper
228	100		
226	29.5	20.7	31.1
229	22.4	16.2	24.4

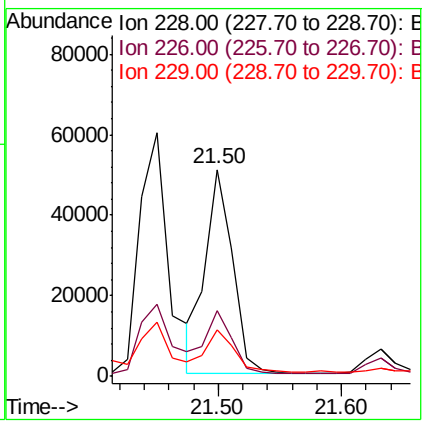




#31
Chrysene
Concen: 2.153 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:228 Resp: 77936

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.6	36.8
229	22.8	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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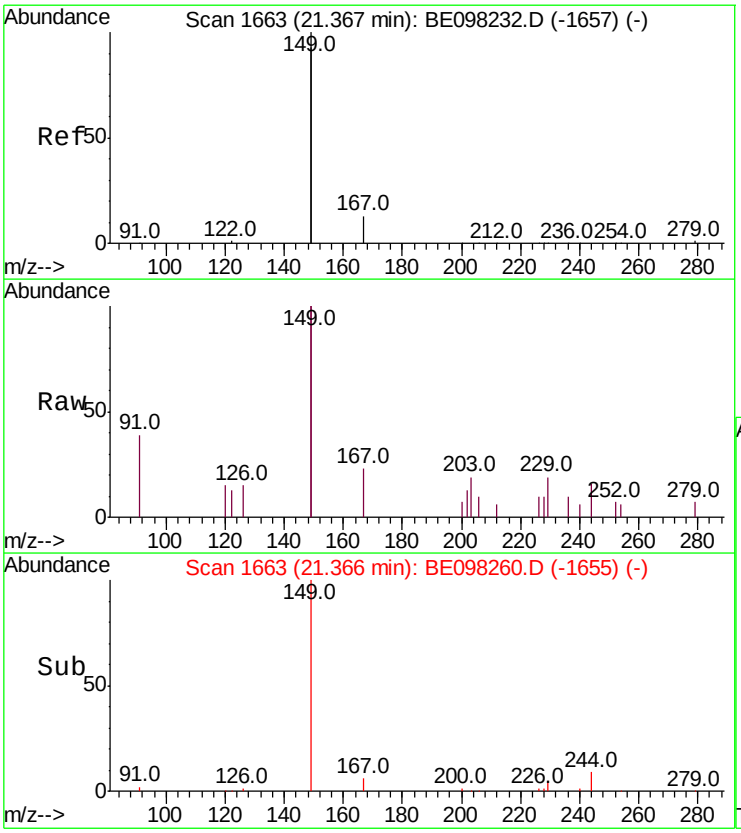
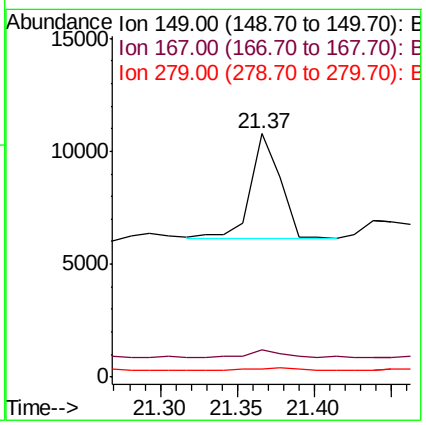
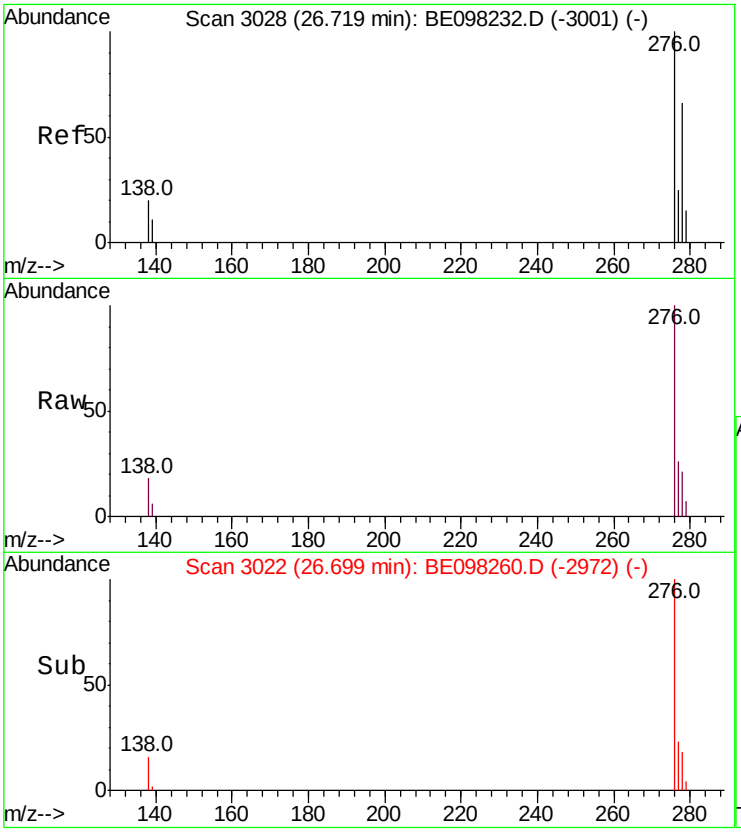


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.114 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:149 Resp: 6274

Ion	Ratio	Lower	Upper
149	100		
167	11.5	5.6	8.4#
279	3.0	0.9	1.3#





#33
Indeno(1,2,3-cd)pyrene
Concen: 1.801 ng
RT: 26.70 min Scan# 3022
Delta R.T. -0.02 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:276 Resp: 55799

Ion	Ratio	Lower	Upper
276	100		
138	16.3	6.4	9.6#
277	23.8	18.9	28.3

Instrument :
BNA_E
ClientSampleId :
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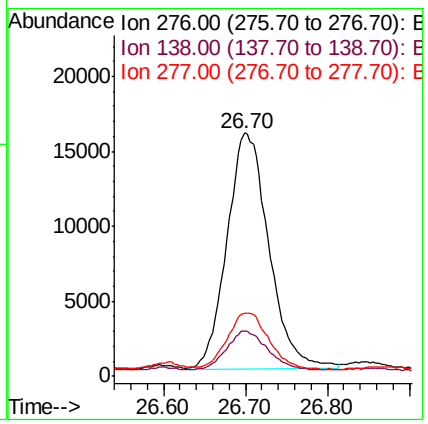
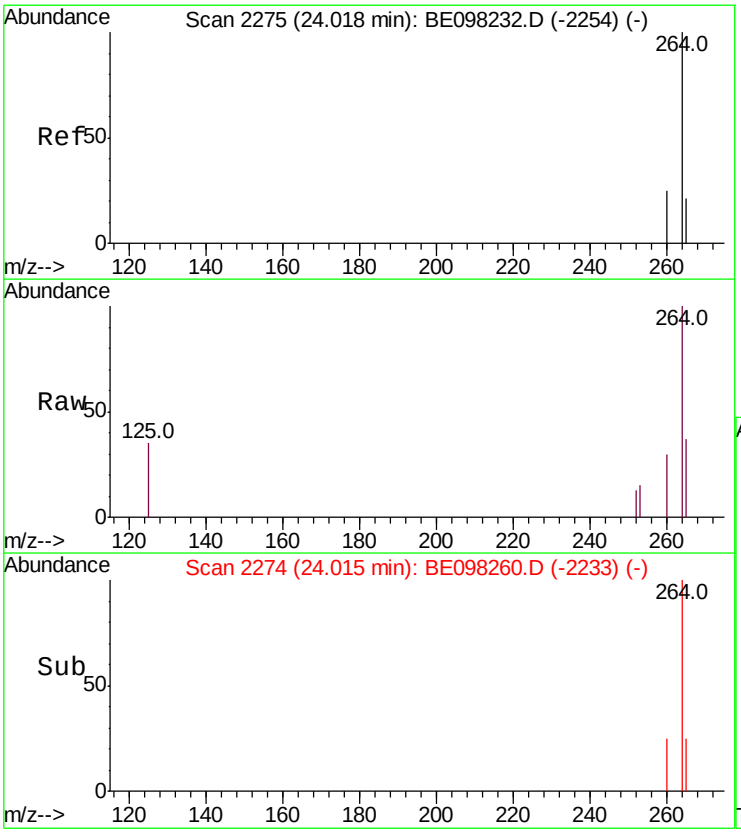
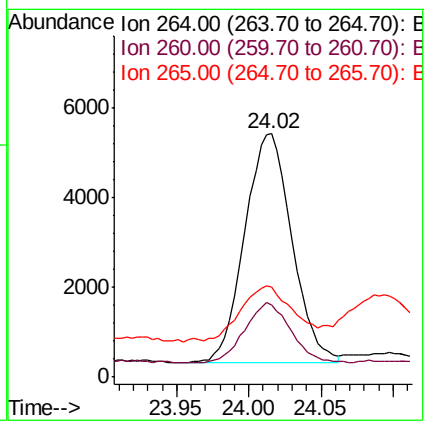


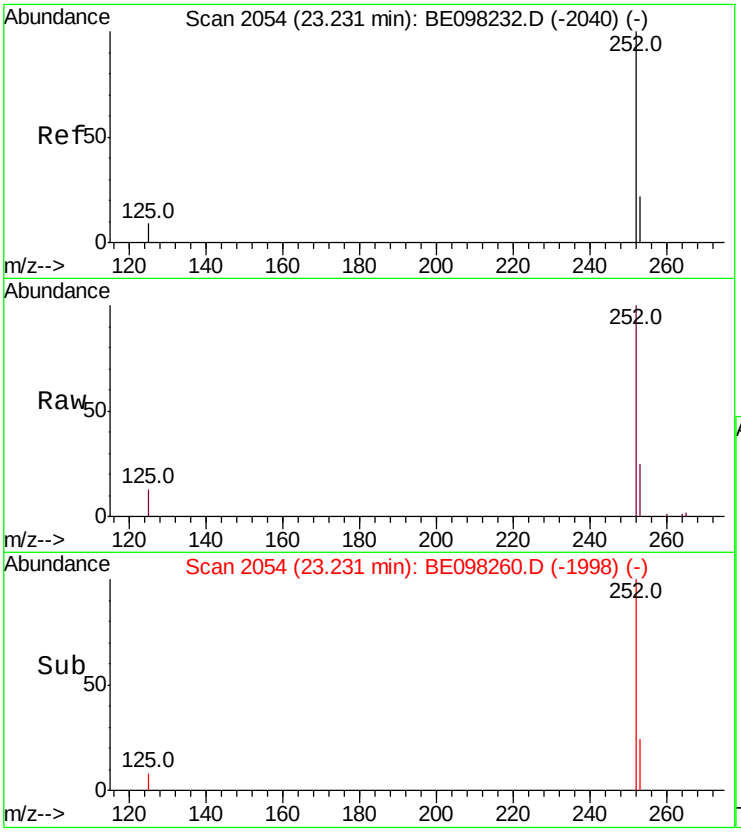


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:264 Resp: 11523

Ion	Ratio	Lower	Upper
264	100		
260	29.5	19.9	29.9
265	36.7	21.3	31.9#

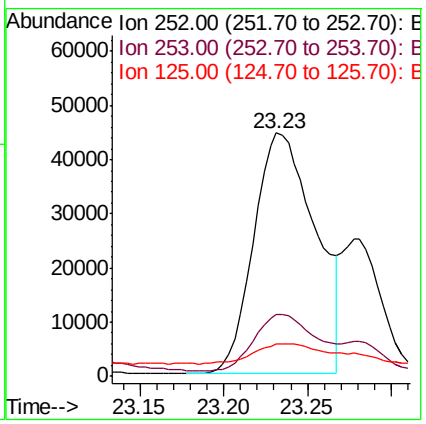




#35
Benzo(b)fluoranthene
Concen: 3.508 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:252 Resp: 114139

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.4	29.0
125	13.1	8.6	12.8#



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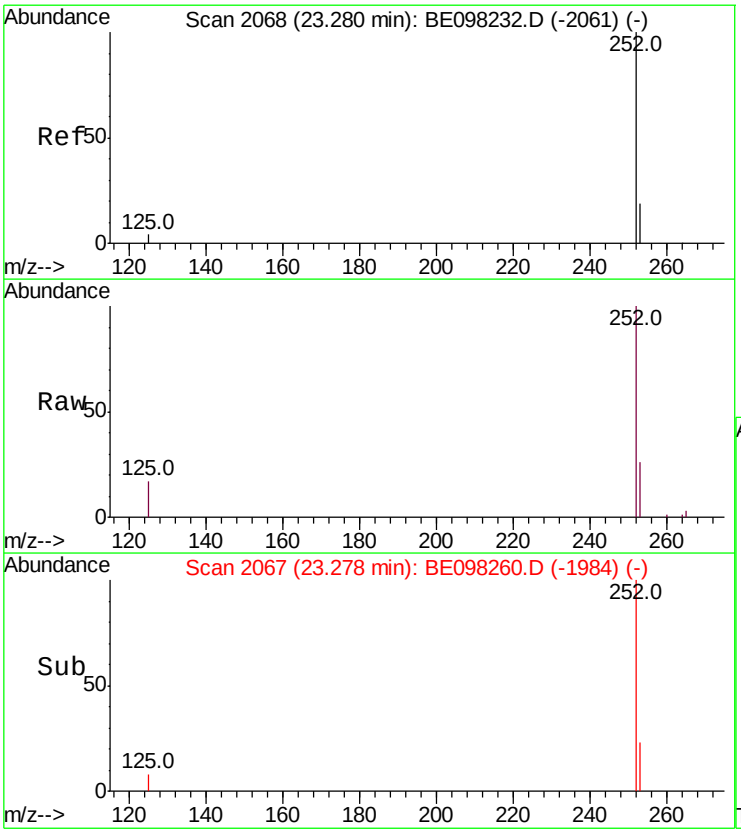
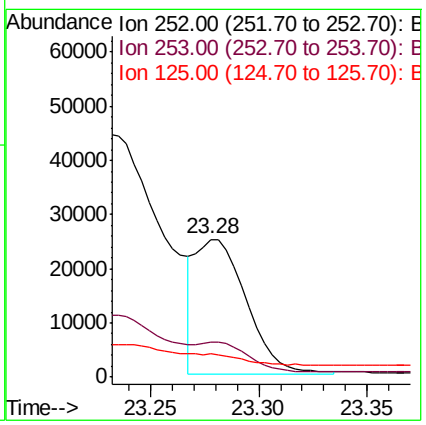
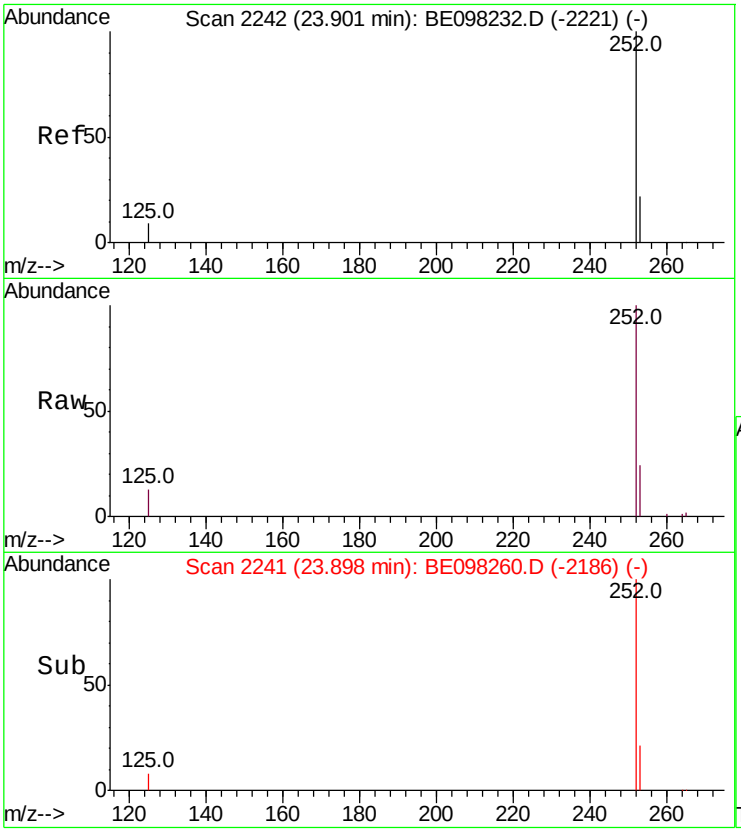


#36
Benzo(k)fluoranthene
Concen: 1.121 ng m
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:252 Resp: 41187

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.6	28.0
125	17.0	7.4	11.0#





#37
Benzo(a)pyrene
Concen: 2.669 ng
RT: 23.90 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:252 Resp: 85277

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	13.0	8.0	12.0#

Instrument :
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ClientSampleId :
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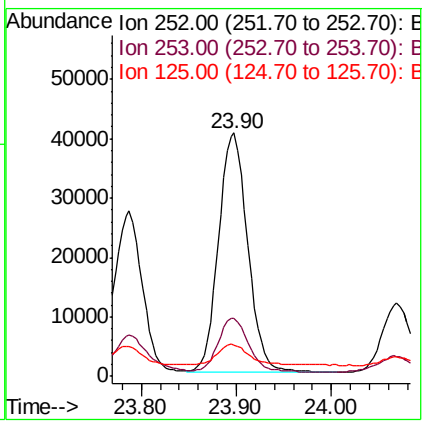
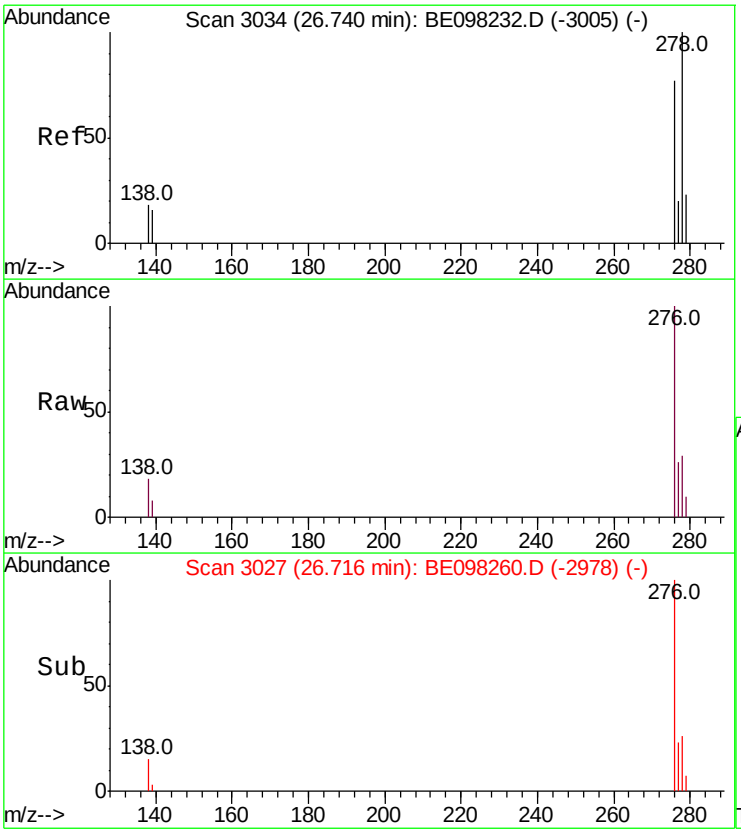
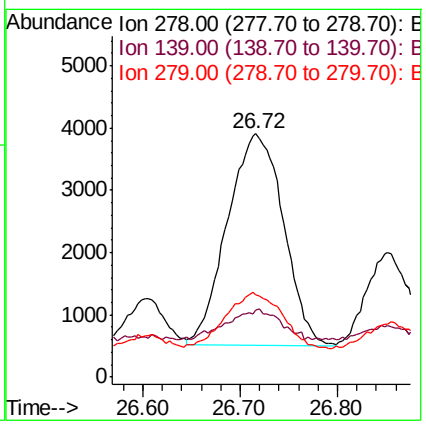


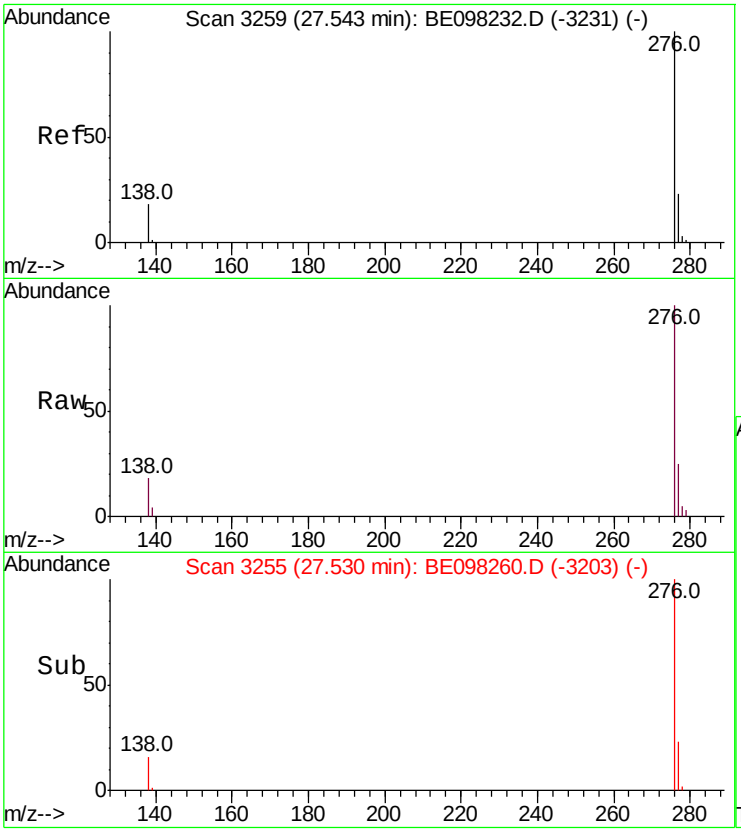


#38
Dibenzo(a,h)anthracene
Concen: 0.535 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.02 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:278 Resp: 13690

Ion	Ratio	Lower	Upper
278	100		
139	27.6	16.4	24.6#
279	33.7	21.3	31.9#

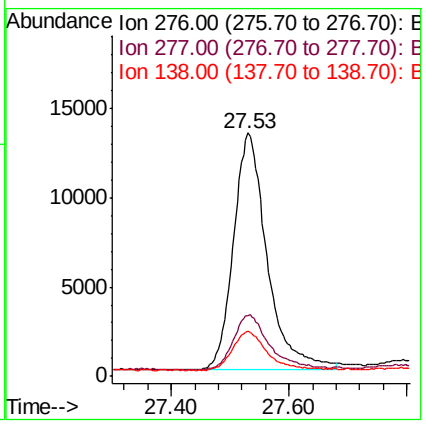




#39
Benzo(g,h,i)perylene
Concen: 1.910 ng
RT: 27.53 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BE098260.D
Acq: 21 Nov 2018 13:25

Tgt Ion:276 Resp: 52690

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.4	30.6
138	18.3	13.2	19.8



Instrument :
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ClientSampleId :
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