

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\
 Data File : BE098151.D
 Acq On : 1 Nov 2018 18:02
 Operator : SJ/JU
 Sample : J5690-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 50

Instrument :
 BNA_E
 ClientSampleId :
 MW-202

Manual Integrations
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Quant Time: Nov 02 14:13:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	61692	20.00	ng	0.00
7) Naphthalene-d8	10.69	136	257137	20.00	ng	0.03
13) Acenaphthene-d10	14.54	164	170511	20.00	ng	0.00
19) Phenanthrene-d10	17.29	188	344837	20.00	ng	0.01
27) Chrysene-d12	21.47	240	395855	20.00	ng	0.01
34) Perylene-d12	24.02	264	410247	20.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	72225	19.72	ng	0.00
5) Phenol-d6	7.06	99	83894	13.91	ng	0.00
8) Nitrobenzene-d5	9.05	82	287978	52.22	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	316	0.03	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	68237	42.26	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	328294	23.42	ng	0.00
25) Fluoranthene-d10	19.33	212	32	0.00	ng	0.02
29) Terphenyl-d14	19.91	244	455431	24.74	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.77	128	40814212	793.930	ng	98
12) 2-Methylnaphthalene	12.42	142	14624365m	1594.068	ng	
17) Acenaphthene	14.61	154	175351	18.770	ng	# 72
18) Fluorene	15.59	166	189923	15.323	ng	# 57
22) Pentachlorophenol	16.94	266	92	6.768	ng	# 76
23) Phenanthrene	17.33	178	70764	4.142	ng	# 85
24) Anthracene	17.42	178	21635	1.332	ng	# 82
26) Fluoranthene	19.34	202	18359	0.858	ng	98
28) Pyrene	19.71	202	15797	0.731	ng	# 88
30) Benzo(a)anthracene	21.45	228	8330	0.360	ng	97
31) Chrysene	21.51	228	6829m	0.298	ng	
33) Indeno(1,2,3-cd)pyrene	26.71	276	2136	0.090	ng	# 88
35) Benzo(b)fluoranthene	23.23	252	6262	0.271	ng	# 85
36) Benzo(k)fluoranthene	23.28	252	2373m	0.099	ng	
37) Benzo(a)pyrene	23.90	252	4257	0.189	ng	93
39) Benzo(g,h,i)perylene	27.54	276	2412	0.115	ng	92

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

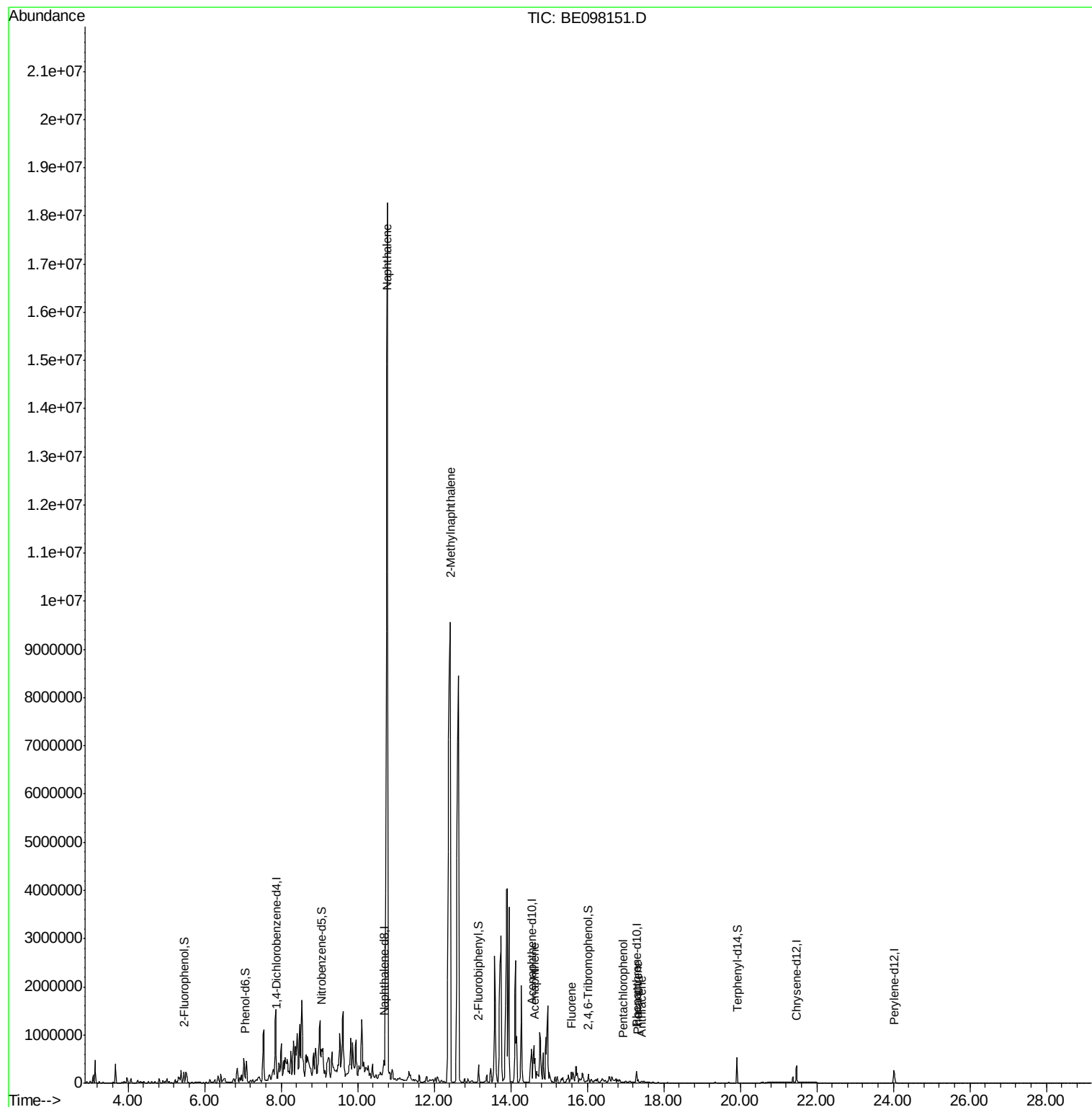
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110118\
Data File : BE098151.D
Acq On : 1 Nov 2018 18:02
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ALS Vial : 8 Sample Multiplier: 50

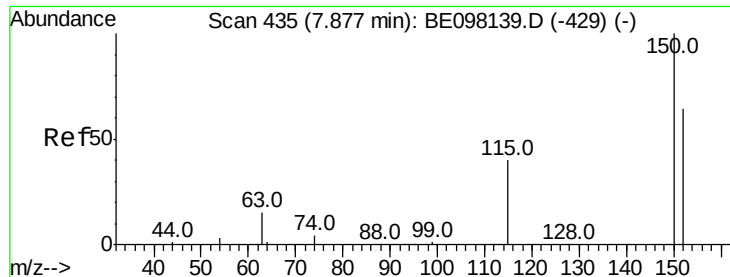
Instrument :
BNA_E
ClientSampleId :
MW-202

Quant Time: Nov 02 14:13:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
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#1

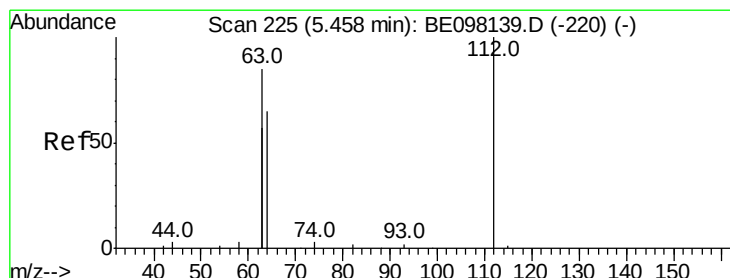
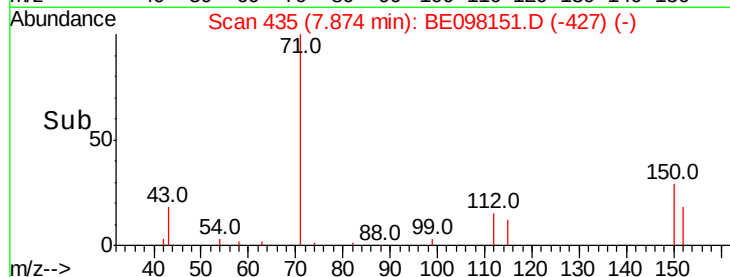
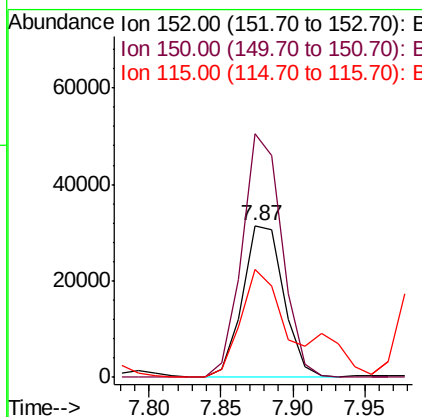
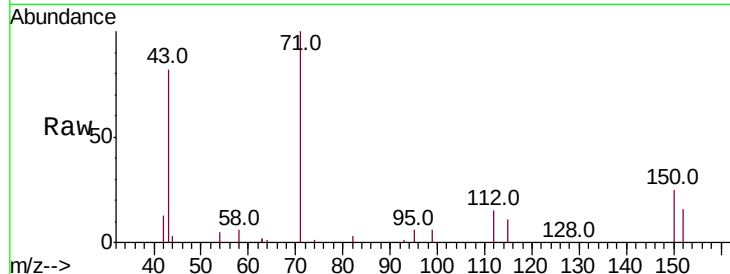
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	118.2	177.4
115	71.4	50.9	76.3

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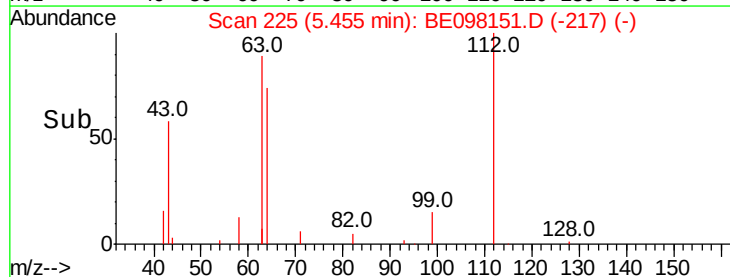
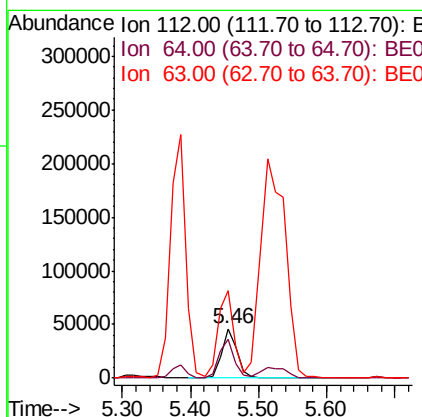
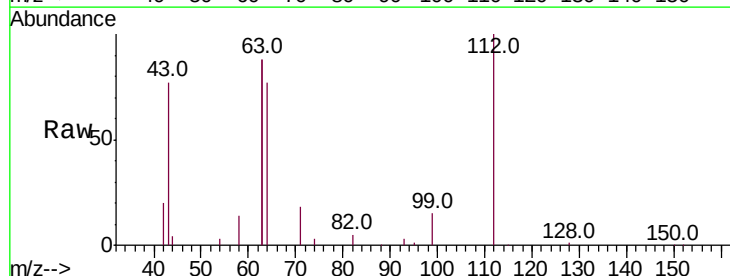
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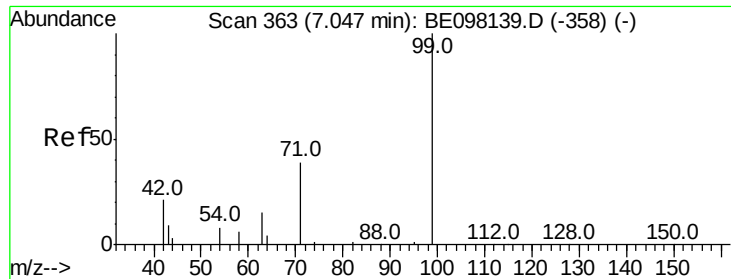


#4

2-Fluorophenol
Concen: 19.721 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.6	58.9	88.3
63	178.0	120.3	180.5





#5

Phenol-d6

Concen: 13.909 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

Instrument :

BNA_E

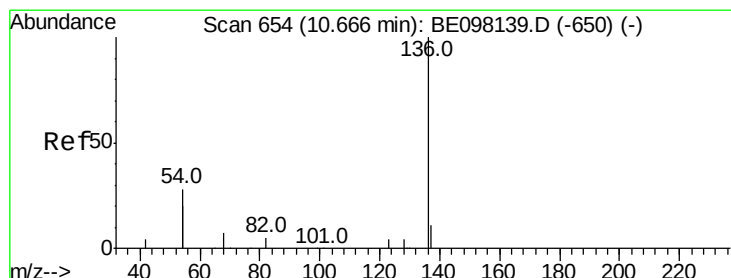
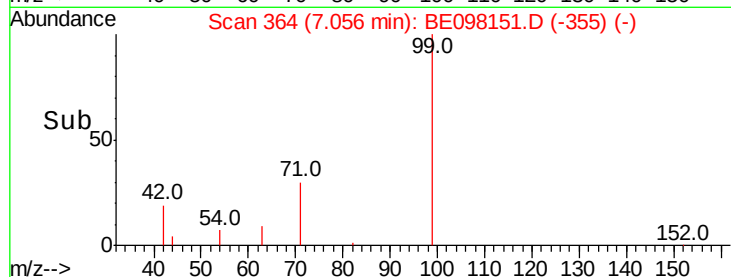
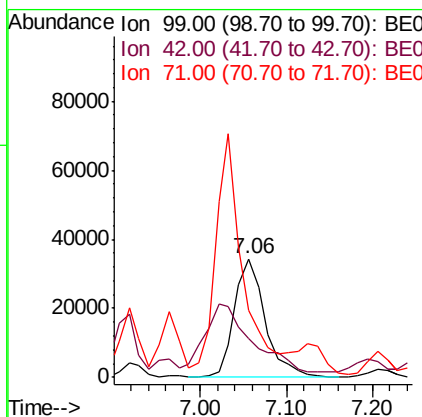
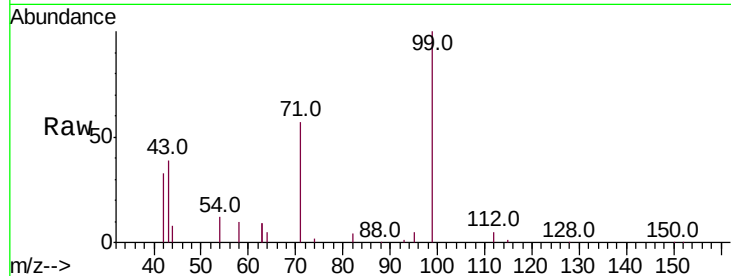
ClientSampled :

MW-202

Tot Ion:	99	Resp:	83894
Ion Ratio	Lower	Upper	
99	100		
42	0.0	19.9	29.9#
71	0.0	27.8	41.8#

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#7

Naphthalene-d8

Concen: 20.000 ng

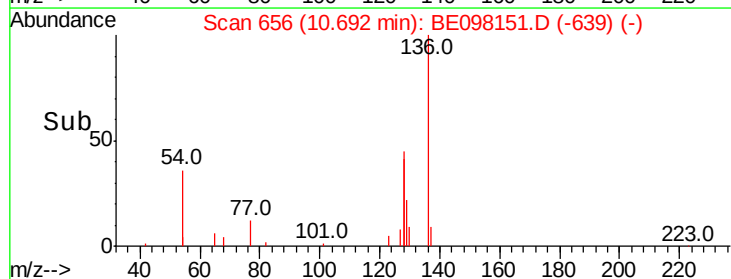
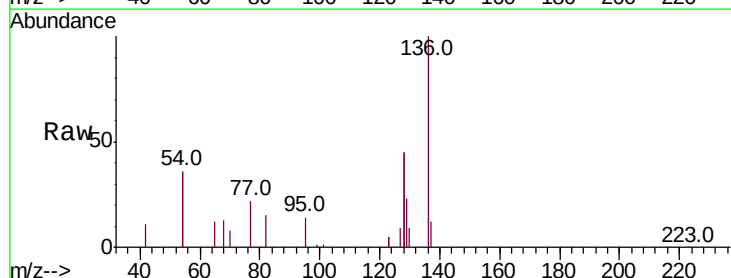
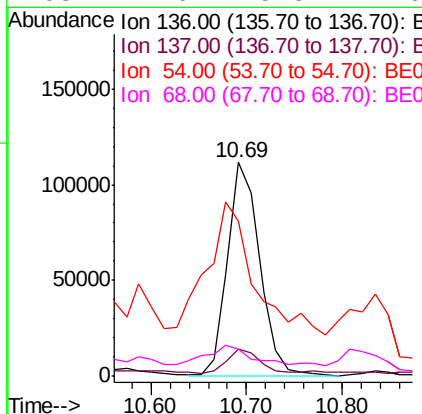
RT: 10.69 min Scan# 656

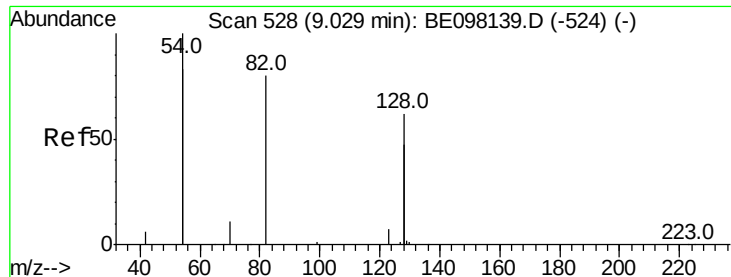
Delta R.T. 0.03 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

Tgt Ion:	136	Resp:	257137
Ion Ratio	Lower	Upper	
136	100		
137	12.5	9.6	14.4
54	72.7	27.7	41.5#
68	12.6	5.3	7.9#





#8

Nitrobenzene-d5

Concen: 52.216 ng

RT: 9.05 min Scan# 530

Delta R.T. 0.03 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

Instrument :

BNA_E

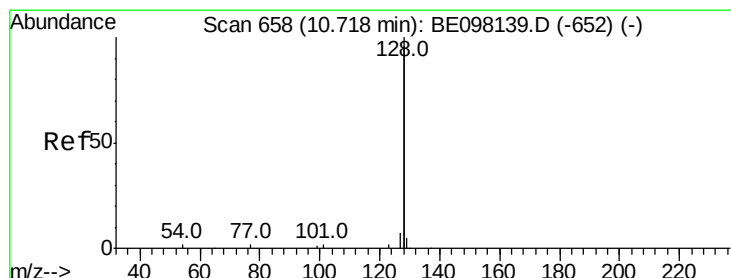
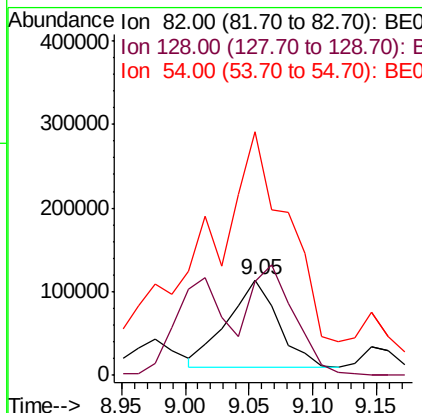
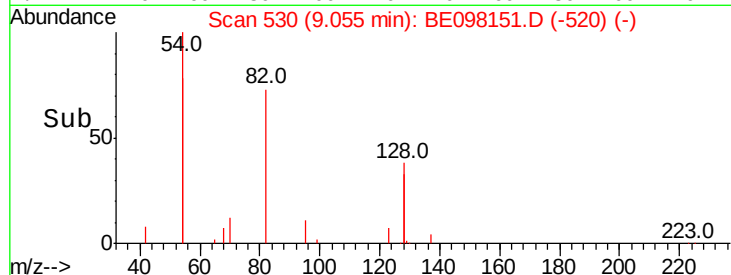
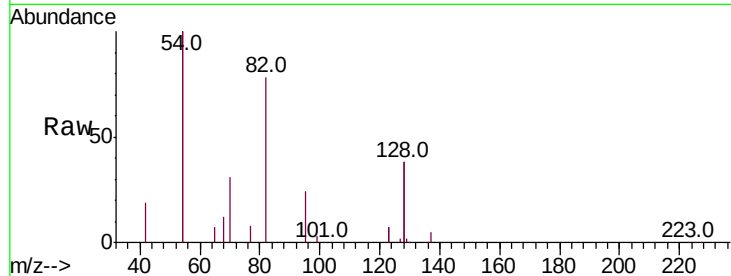
ClientSampleId :

MW-202

Tot Ion	Ratio	Lower	Upper
82	100		
128	97.7	129.9	194.9#
54	254.9	174.0	261.0

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#9

Naphthalene

Concen: 793.930 ng

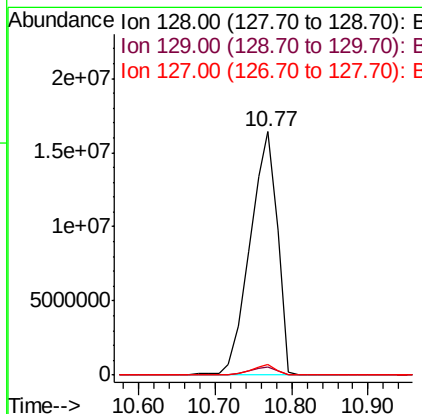
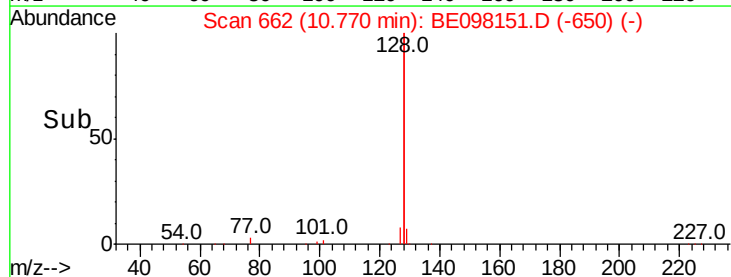
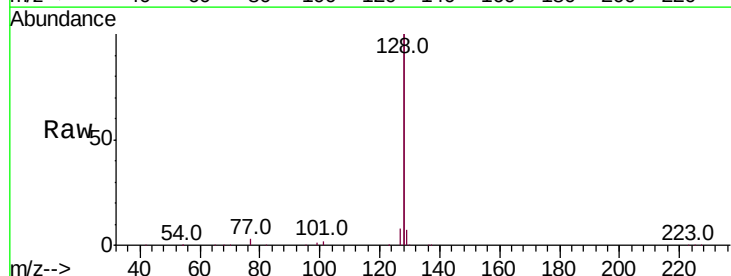
RT: 10.77 min Scan# 662

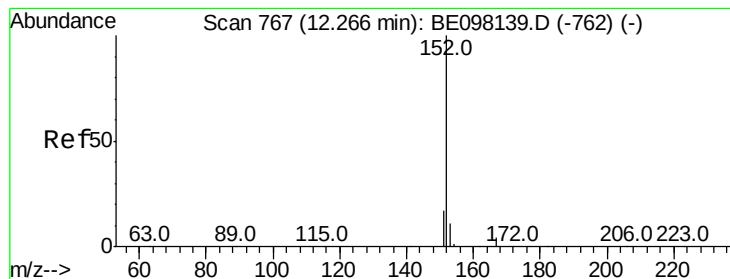
Delta R.T. 0.05 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	4.2	2.8	4.2





#11

2-Methylnaphthalene-d10

Concen: 0.035 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

Instrument :

BNA_E

ClientSampled :

MW-202

Tot Ion:152 Resp: 316

Ion Ratio Lower Upper

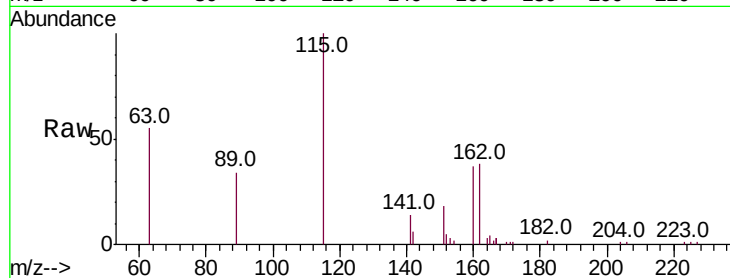
152 100

151 676.6 16.2 24.4#

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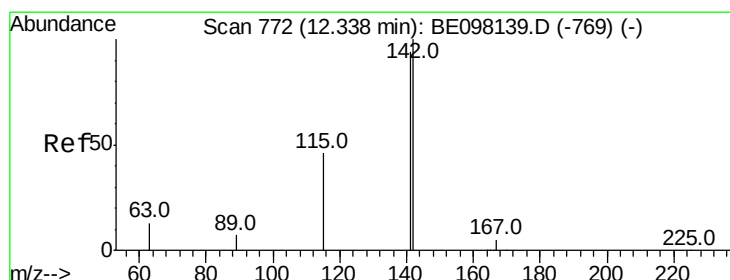
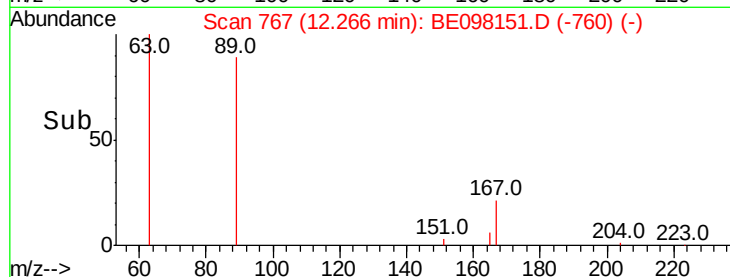
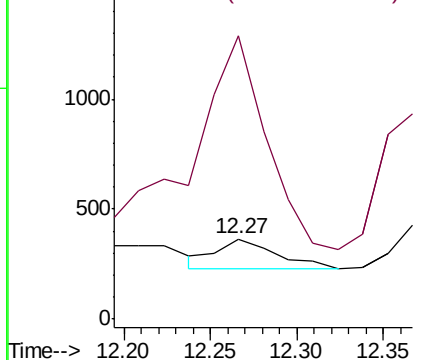
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1594.068 ng m

RT: 12.42 min Scan# 778

Delta R.T. 0.09 min

Lab File: BE098151.D

Acq: 1 Nov 2018 18:02

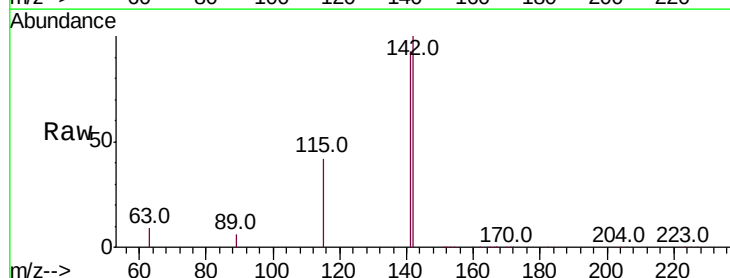
Tgt Ion:142 Resp:14624365

Ion Ratio Lower Upper

142 100

141 93.4 69.8 104.6

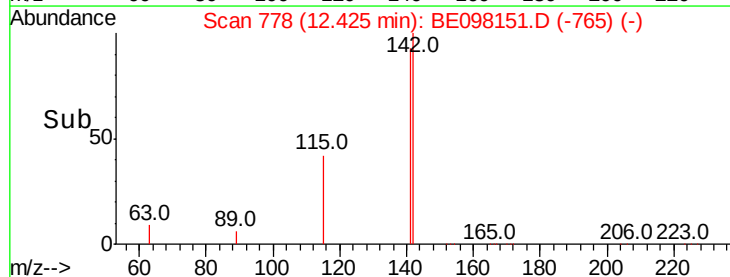
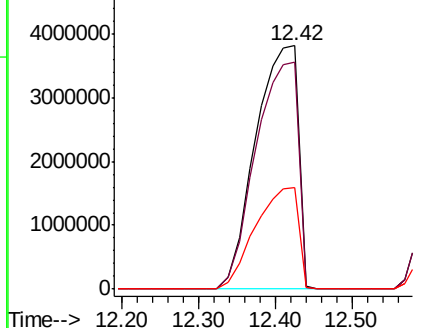
115 41.8 30.5 45.7

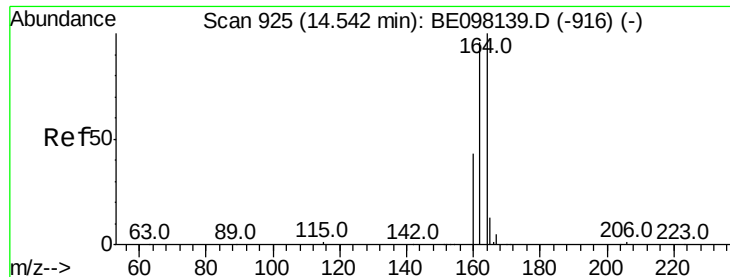


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





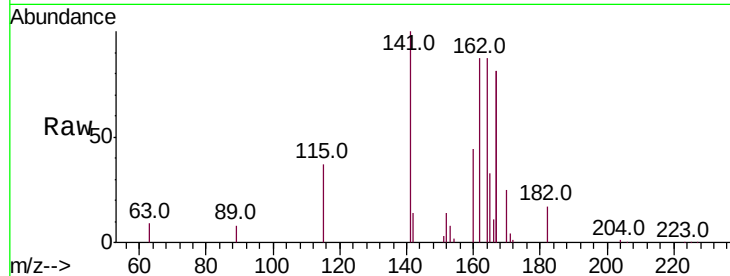
#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.4	116.2
160	50.4	36.5	54.7

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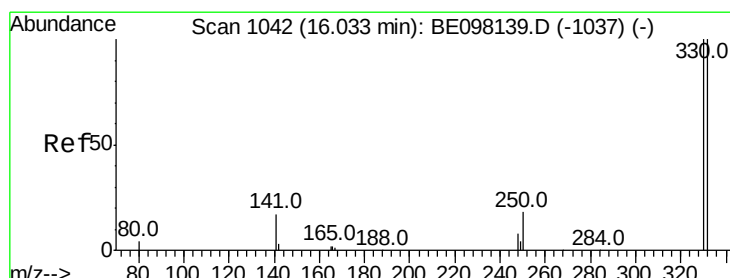
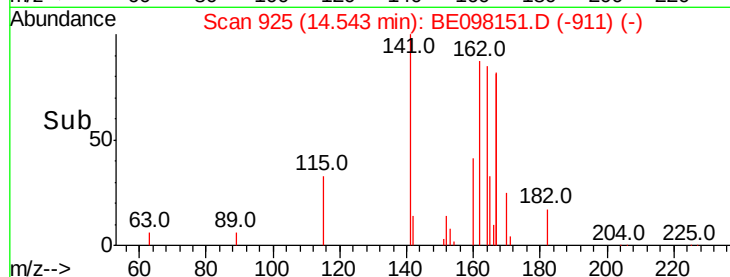
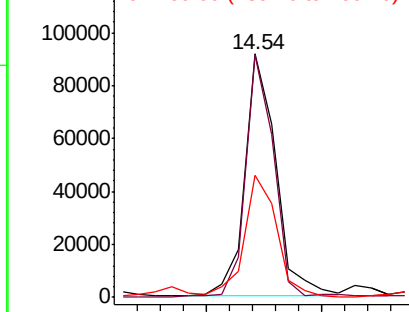


Abundance

Ion 164.00 (163.70 to 164.70): E

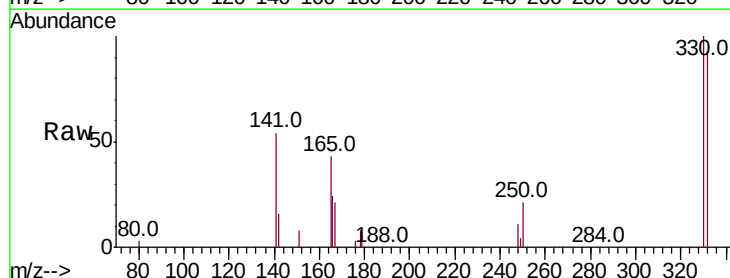
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 42.257 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.5	114.7
141	76.8	31.8	47.6#

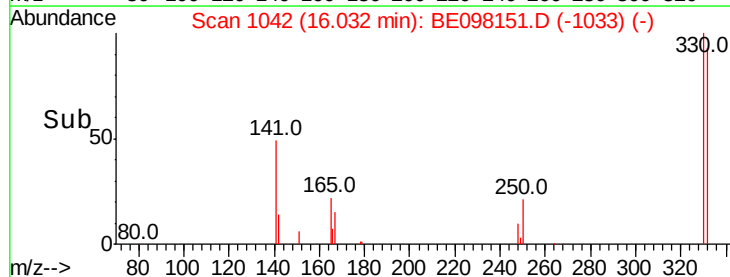
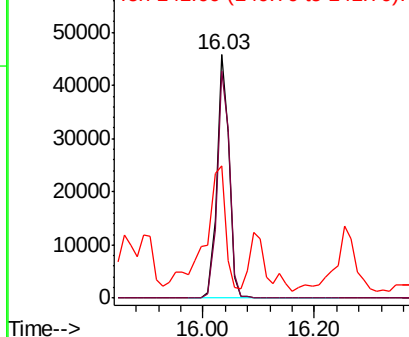


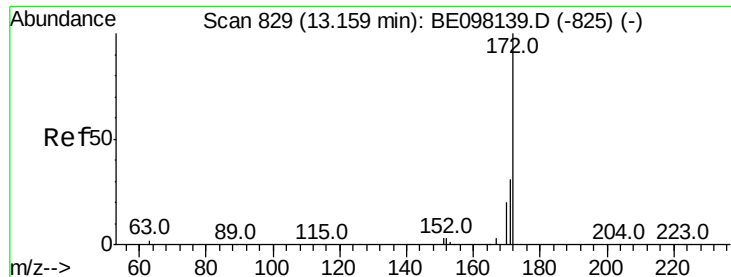
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





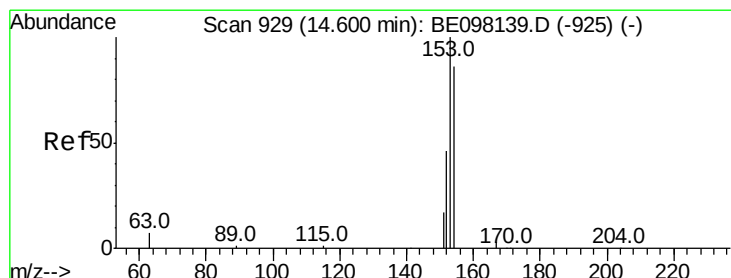
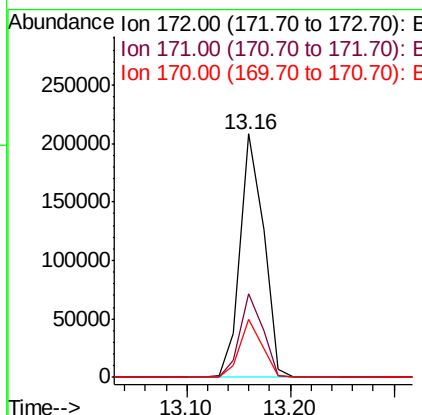
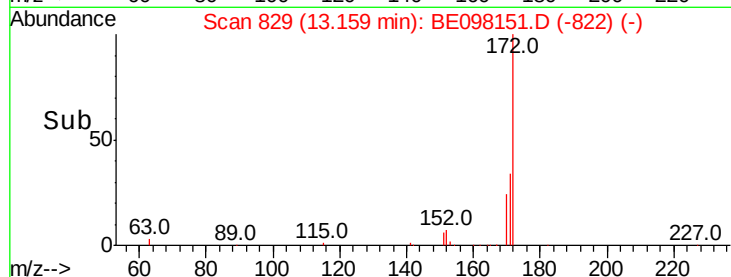
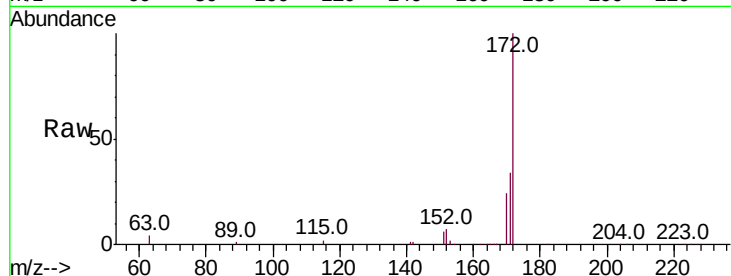
#15
2-Fluorobiphenyl
Concen: 23.415 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampled :
MW-202

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.0	39.0
170	24.0	18.0	27.0

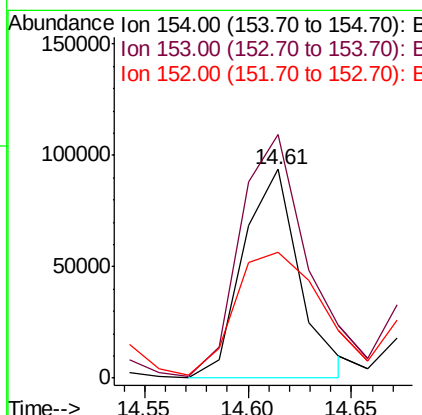
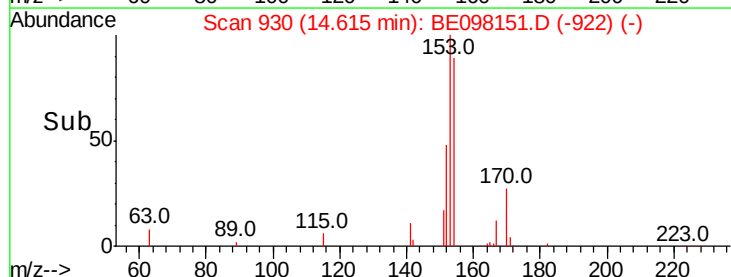
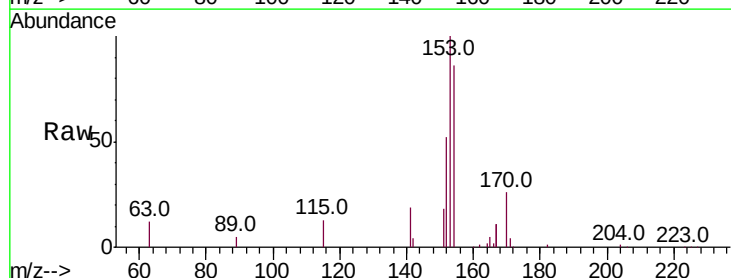
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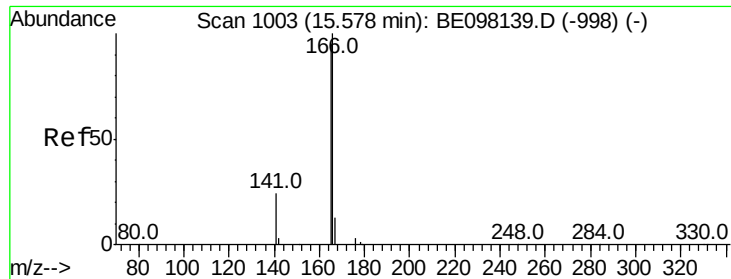
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#17
Acenaphthene
Concen: 18.770 ng
RT: 14.61 min Scan# 930
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	137.2	92.6	139.0
152	89.3	45.5	68.3#





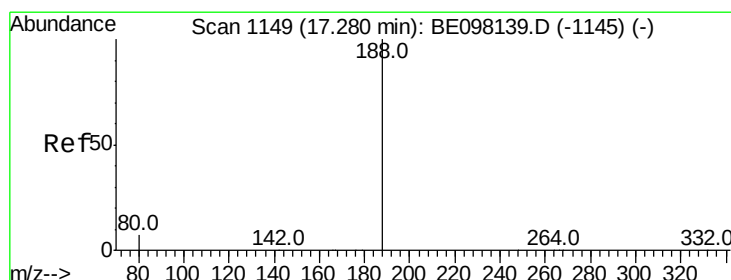
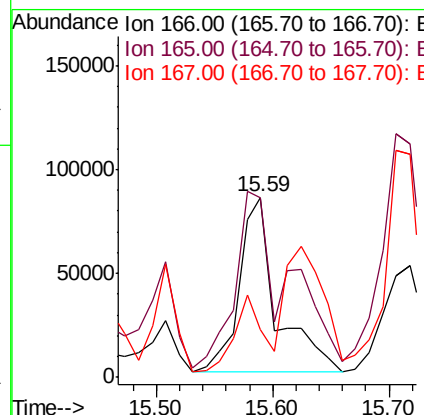
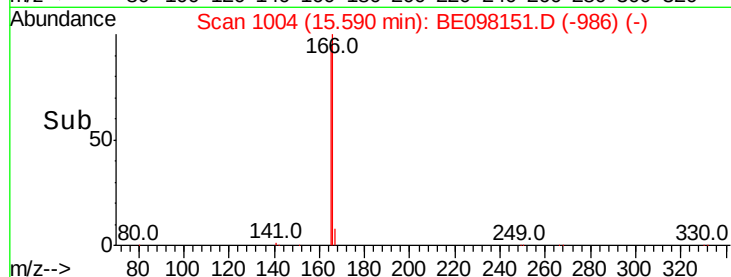
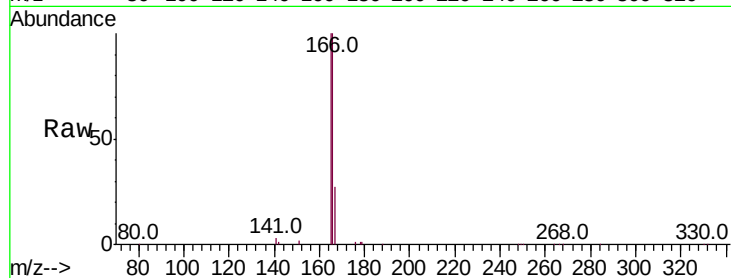
#18
Fluorene
Concen: 15.323 ng
RT: 15.59 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

Tot Ion	Ratio	Lower	Upper
166	100		
165	140.6	78.2	117.4#
167	31.3	11.0	16.6#

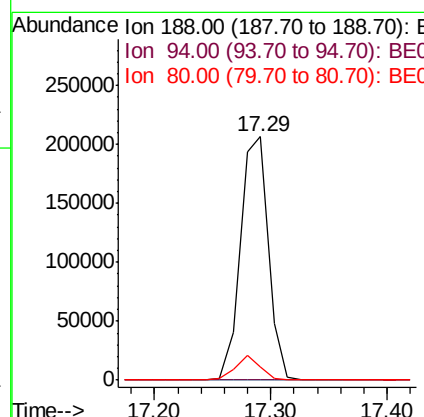
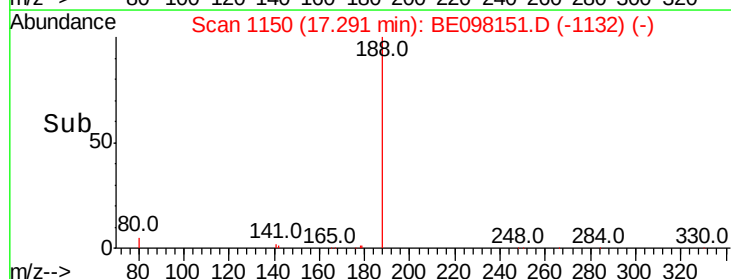
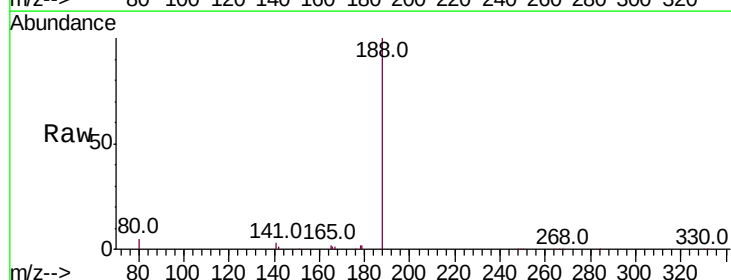
Manual Integrations
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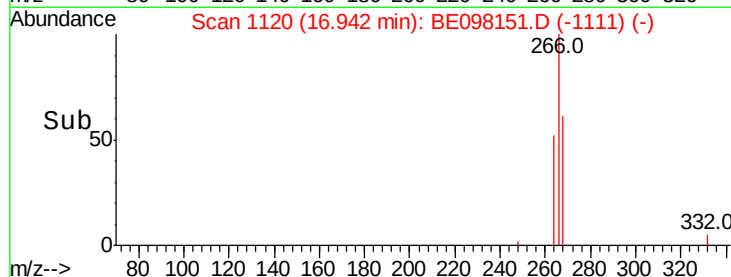
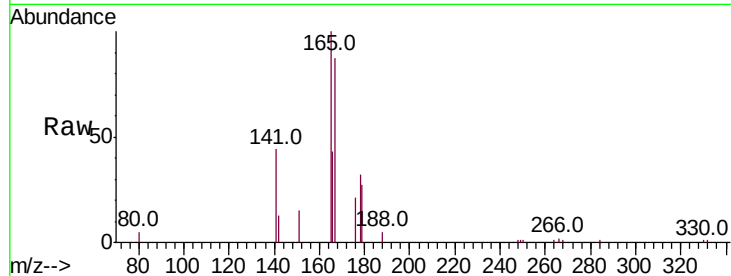
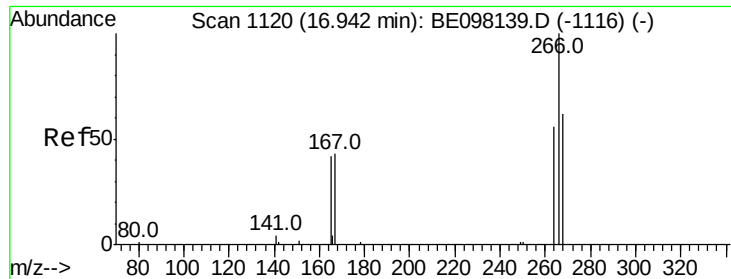
Sohil
11/2/2018 4:10:58 PM



#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.3	6.3	9.5#





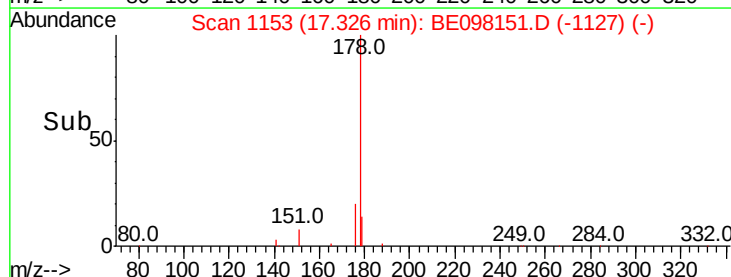
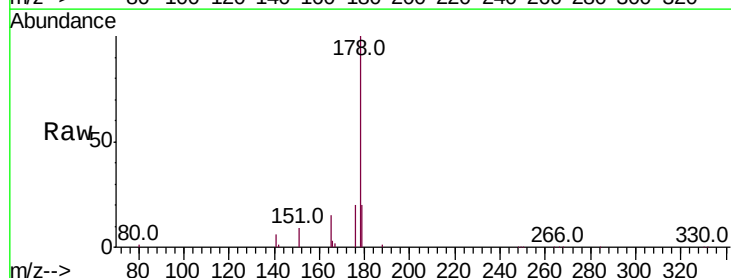
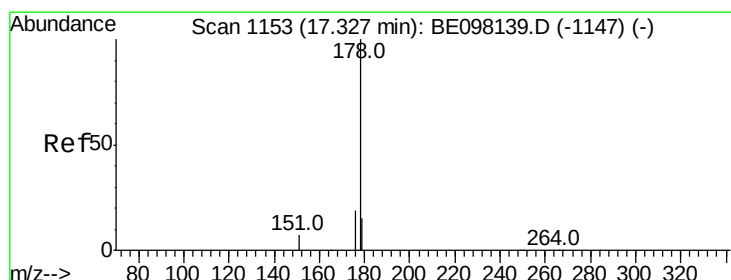
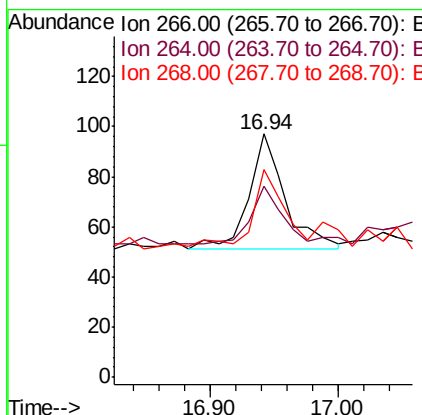
#22
 Pentachlorophenol
 Concen: 6.768 ng
 RT: 16.94 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Tot Ion:	266	Resp:	92
Ion Ratio	Lower	Upper	
266	100		
264	78.4	51.3	76.9#
268	85.6	50.1	75.1#

Instrument :
 BNA_E
 ClientSampled :
 MW-202

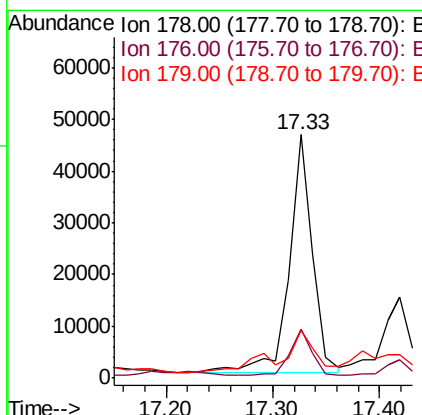
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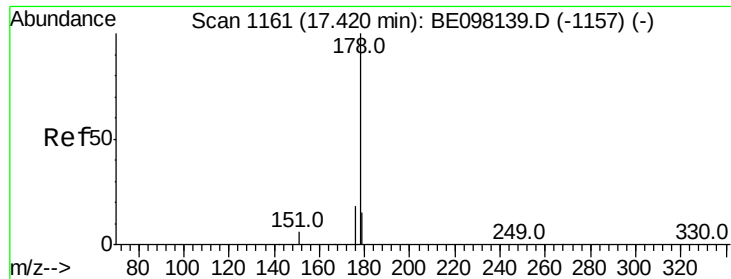
Sohil
 11/2/2018 4:10:58 PM



#23
 Phenanthrene
 Concen: 4.142 ng
 RT: 17.33 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Tgt Ion:	178	Resp:	70764
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	29.2	12.2	18.4#





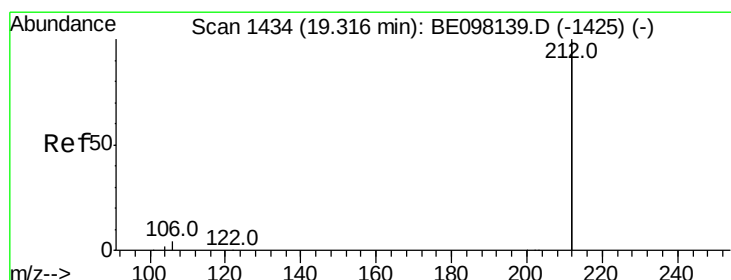
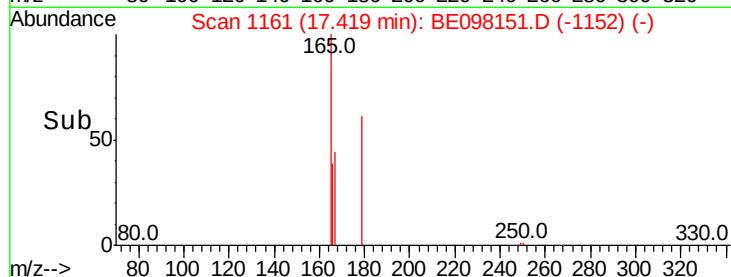
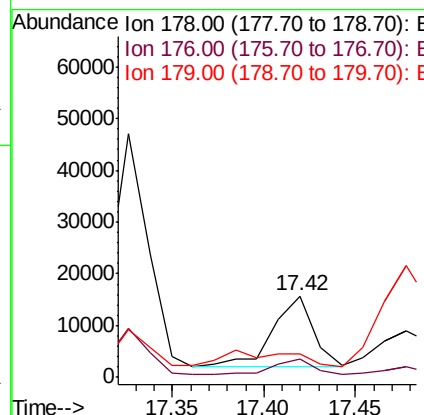
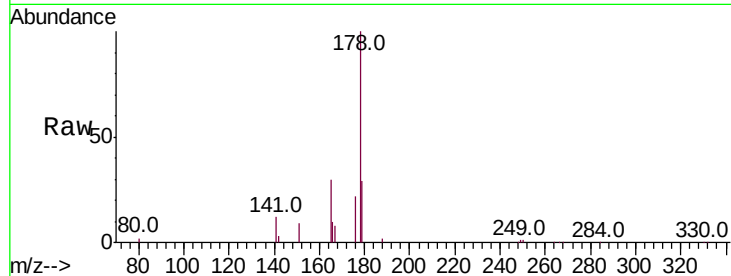
#24
 Anthracene
 Concen: 1.332 ng
 RT: 17.42 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Instrument :
 BNA_E
 ClientSampled :
 MW-202

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.9	22.3
179	0.0	11.9	17.9#

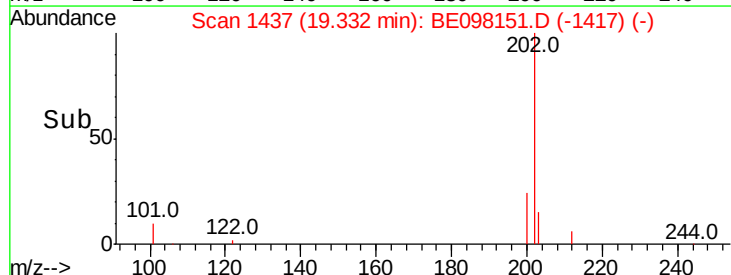
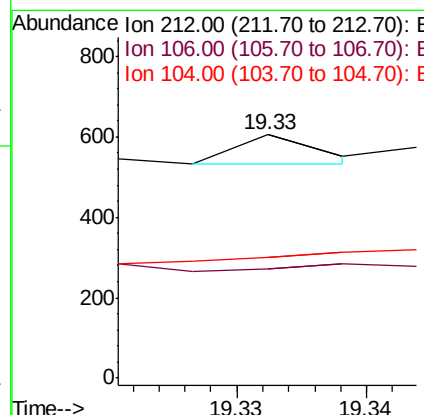
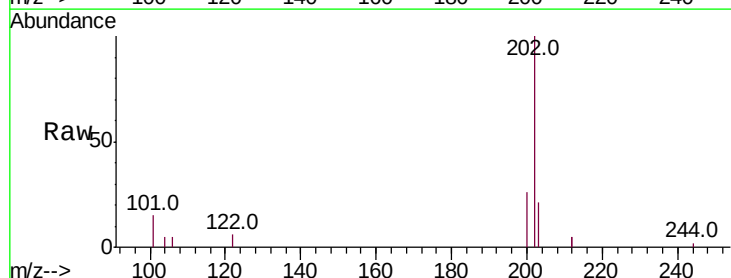
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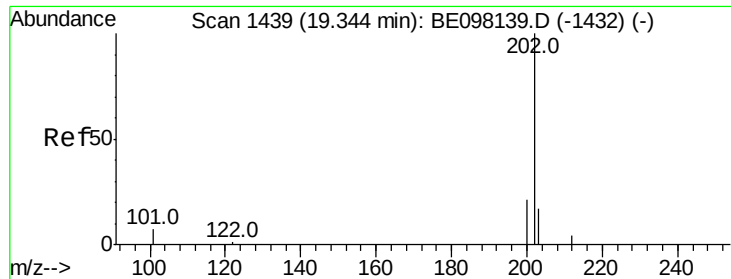
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.33 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
212	100		
106	0.0	2.3	3.5#
104	240.6	1.3	1.9#





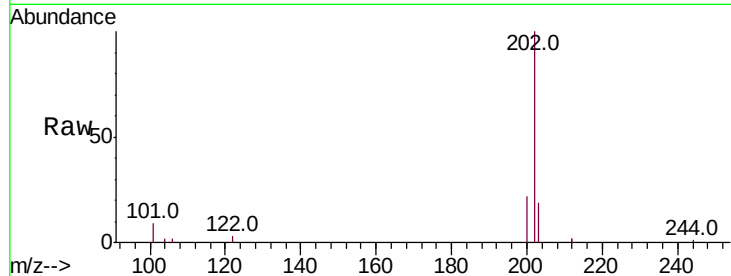
#26
Fluoranthene
Concen: 0.858 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

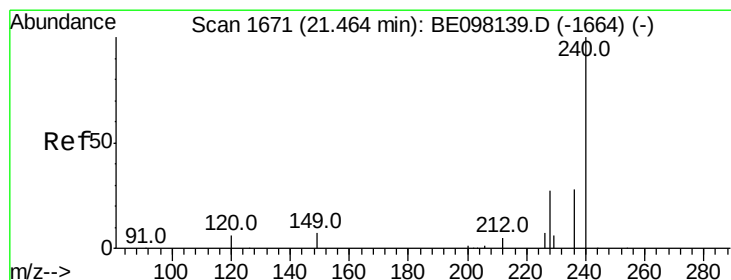
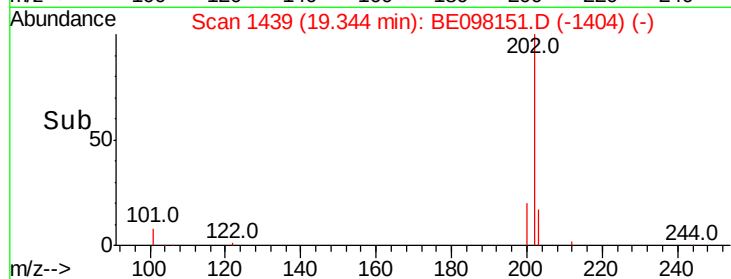
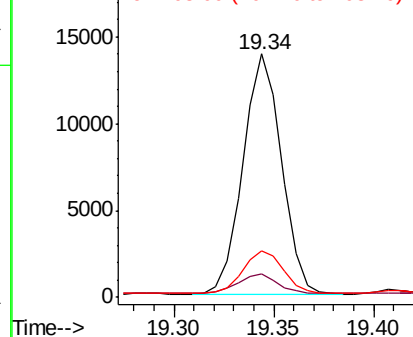
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	8.2	12.2
203	18.3	15.0	22.4

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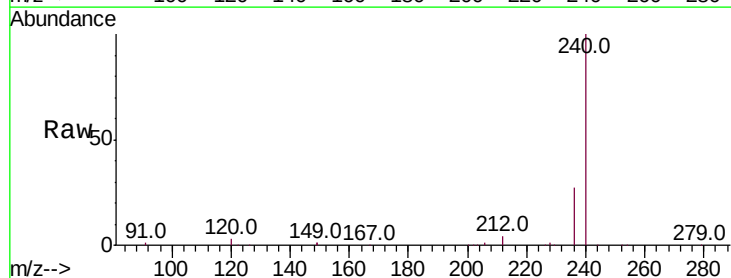


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

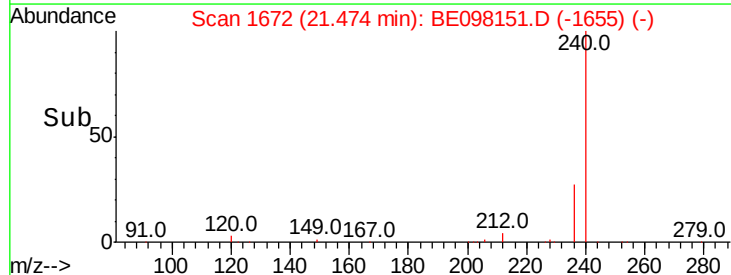
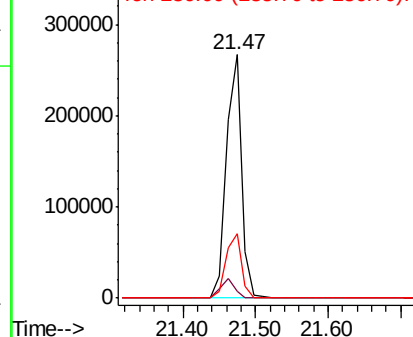


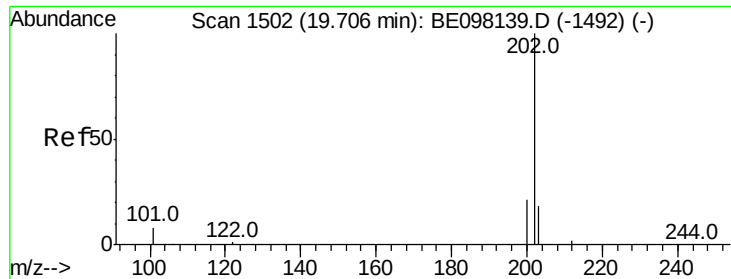
#27
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.8	7.1	10.7#
236	26.6	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





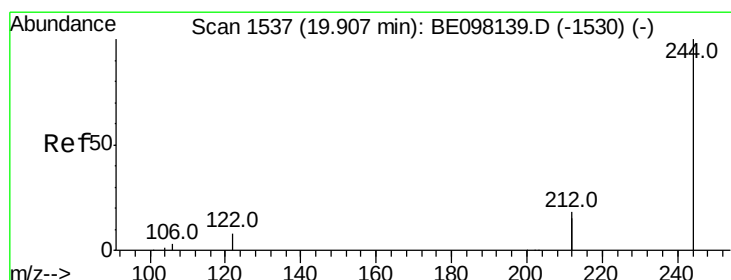
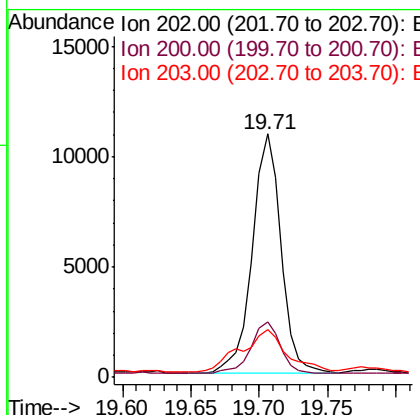
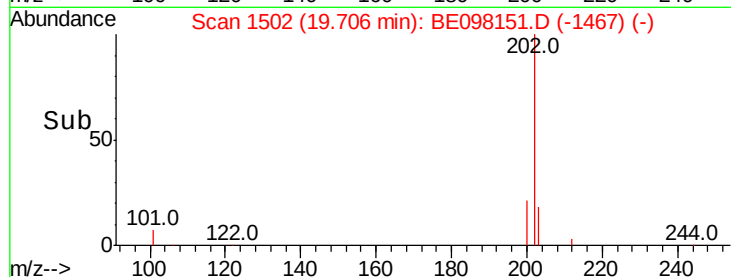
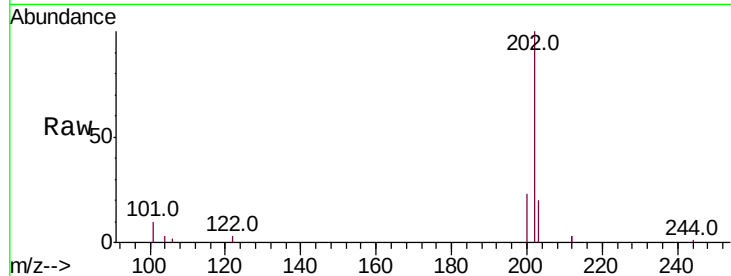
#28
Pvrene
Concen: 0.731 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	28.2	14.2	21.4

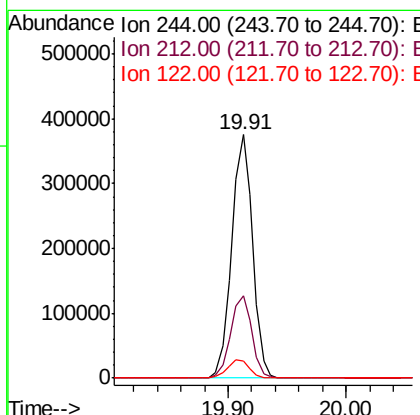
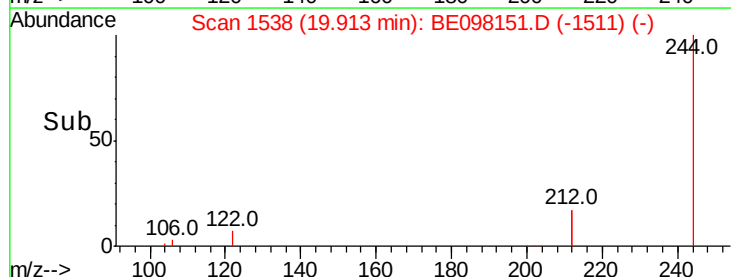
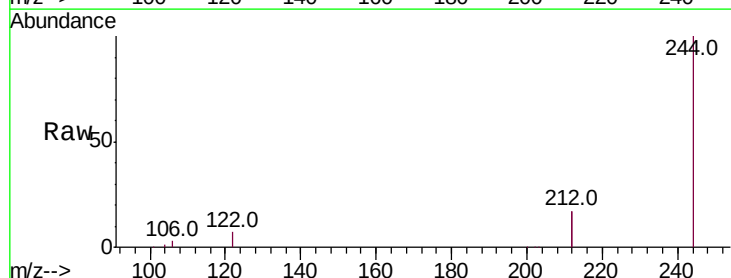
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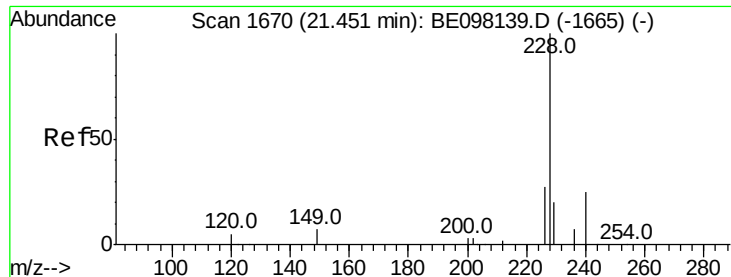
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11/2/2018 4:10:58 PM



#29
Terphenyl-d14
Concen: 24.736 ng
RT: 19.91 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.7	26.2	39.2
122	7.2	7.7	11.5





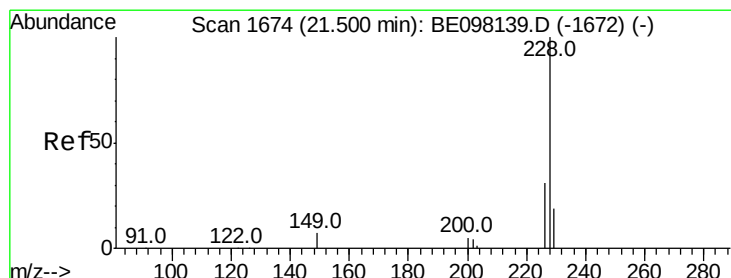
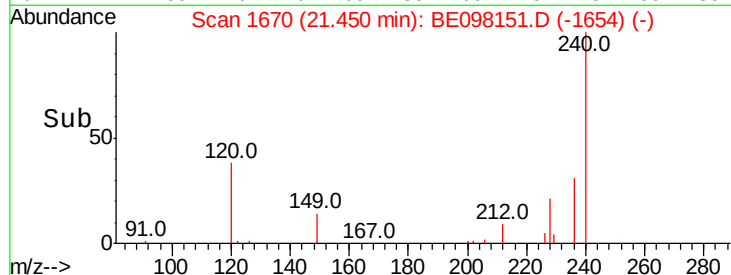
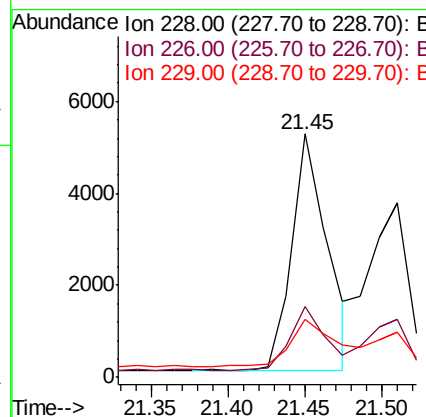
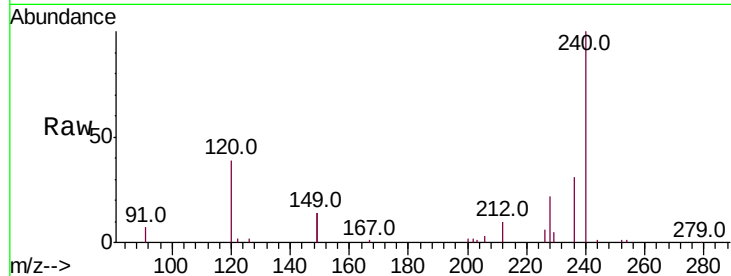
#30
Benzo(a)anthracene
Concen: 0.360 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampleId :
MW-202

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	23.8	16.9	25.3

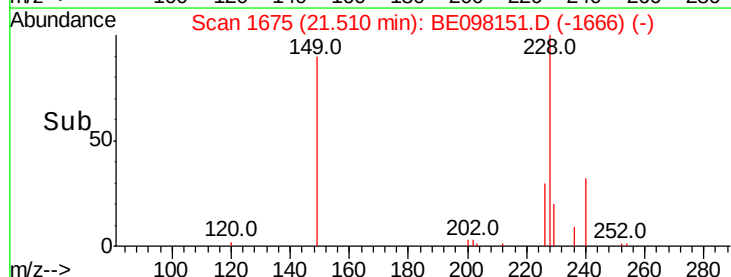
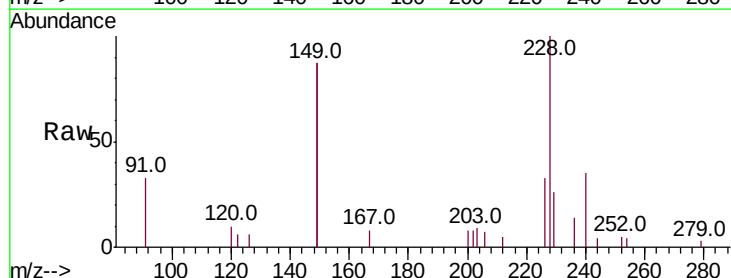
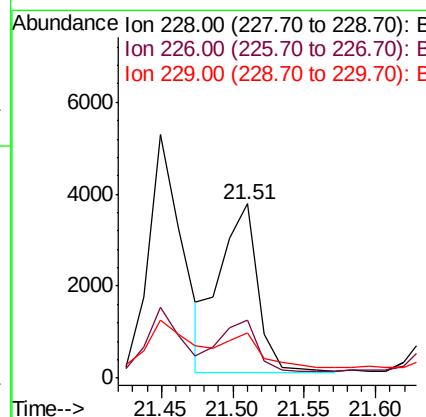
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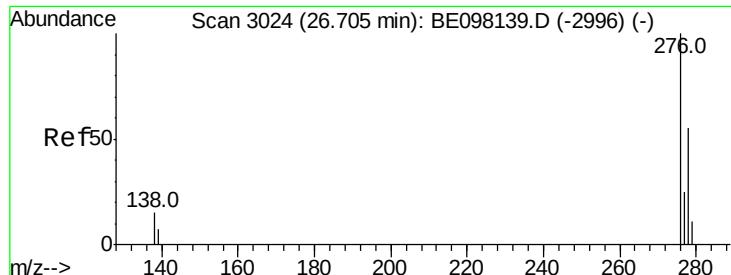
Sohil
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#31
Chrysene
Concen: 0.298 ng m
RT: 21.51 min Scan# 1675
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.3	36.5
229	26.1	17.3	25.9





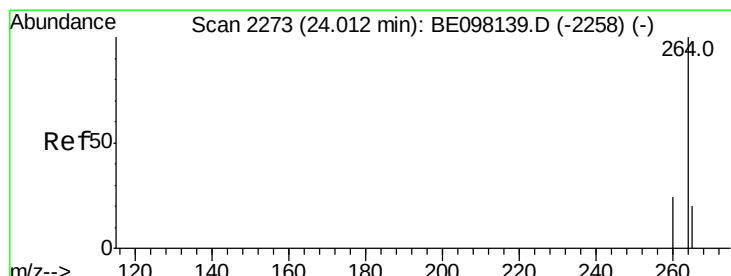
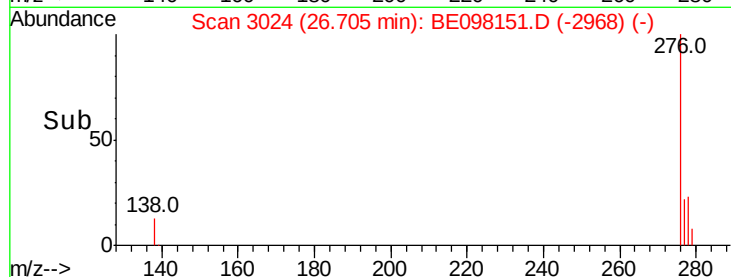
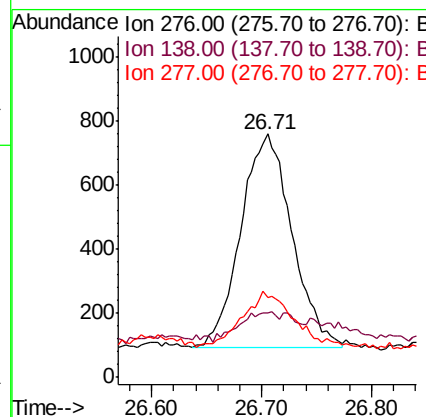
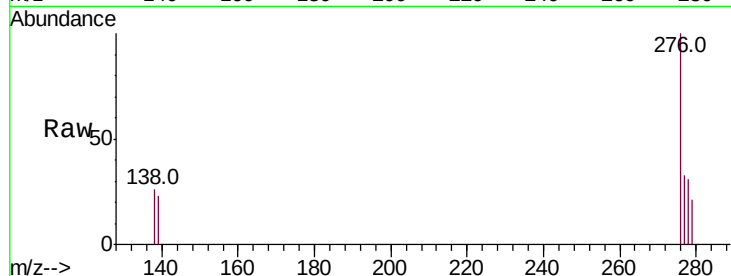
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.090 ng
 RT: 26.71 min Scan# 3024
 Delta R.T. -0.00 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Instrument :
 BNA_E
 ClientSampleId :
 MW-202

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.3	17.0	25.6#
277	24.5	20.5	30.7

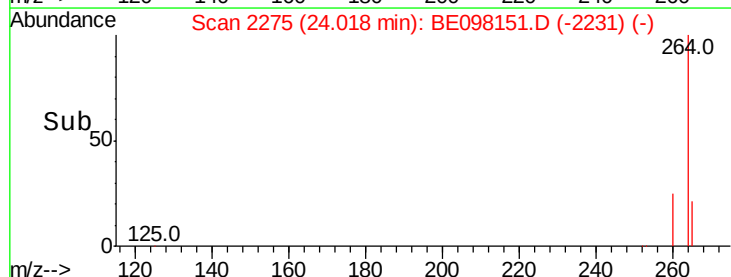
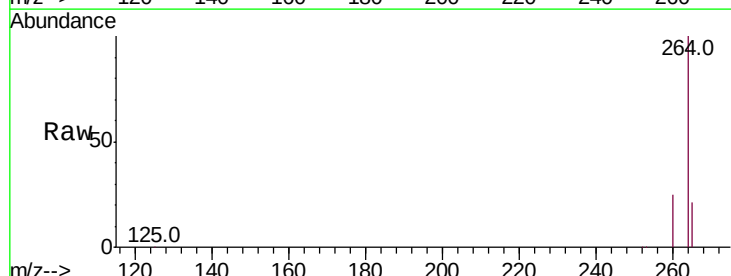
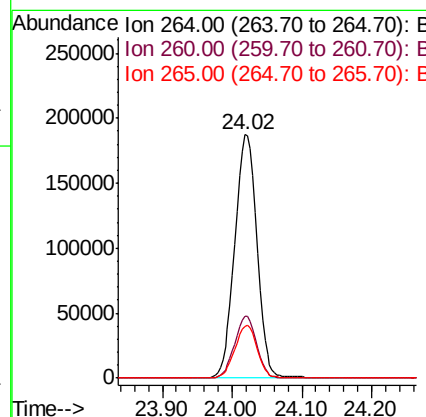
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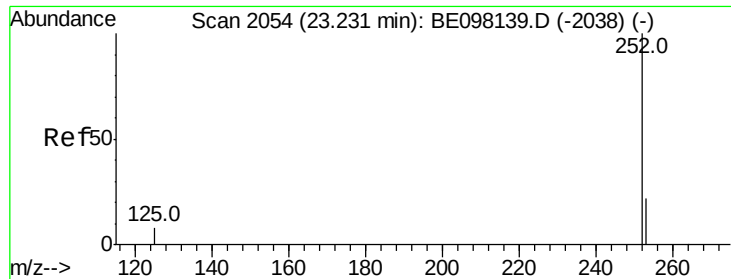
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 11/2/2018 4:10:58 PM



#34
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.02 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BE098151.D
 Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.1	31.7
265	21.4	29.2	43.8#





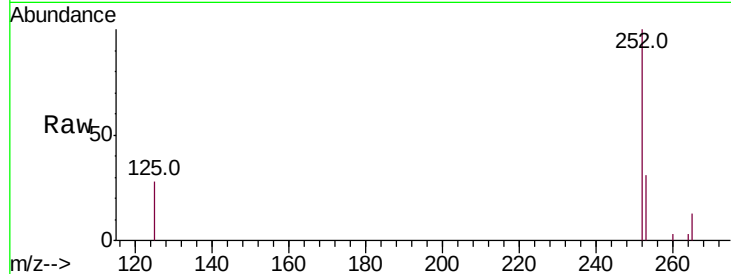
#35
Benzo(b)fluoranthene
Concen: 0.271 ng
RT: 23.23 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampled :
MW-202

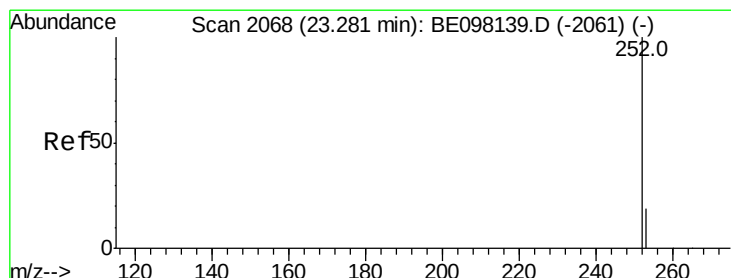
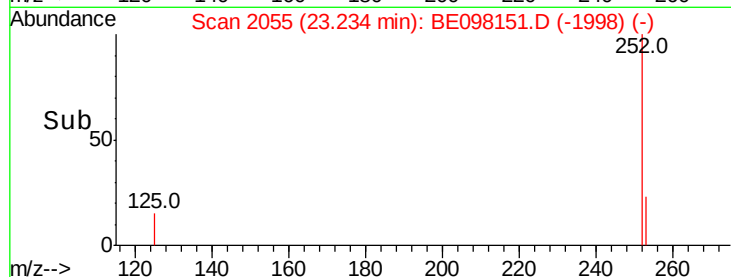
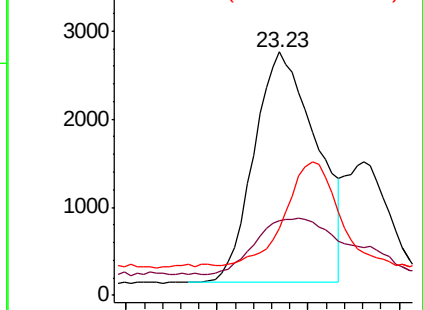
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.7	20.6	31.0
125	27.6	14.3	21.5#

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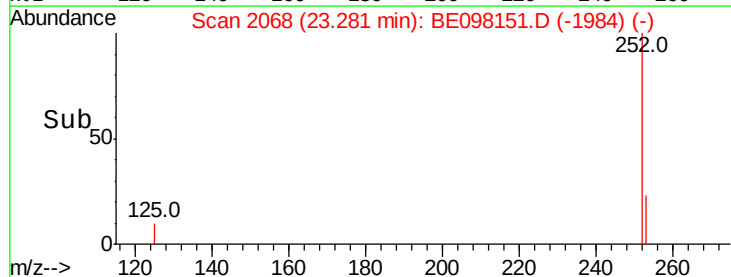
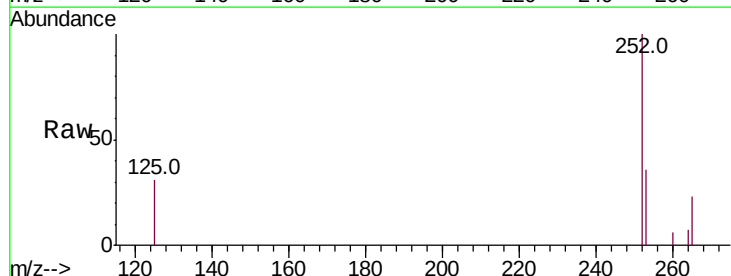
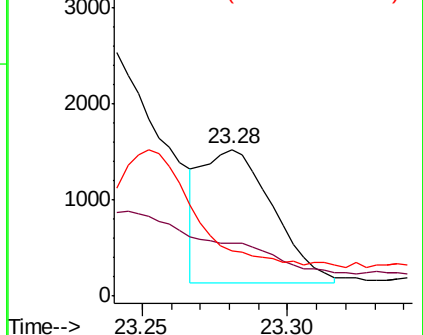
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

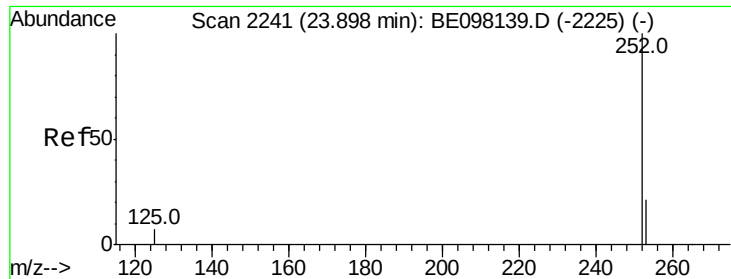


#36
Benzo(k)fluoranthene
Concen: 0.099 ng m
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.9	20.4	30.6#
125	31.3	14.6	21.8#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





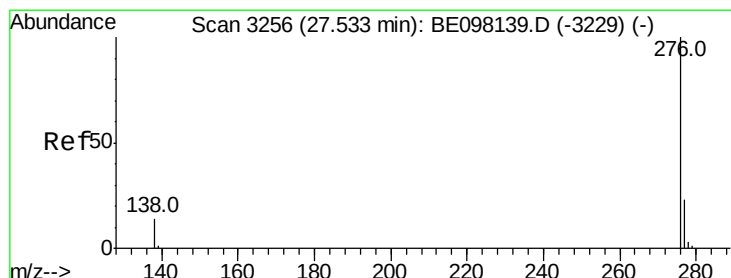
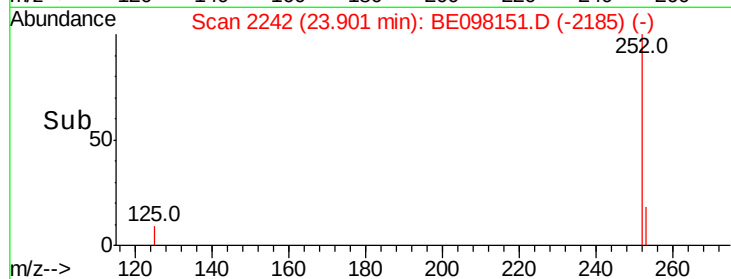
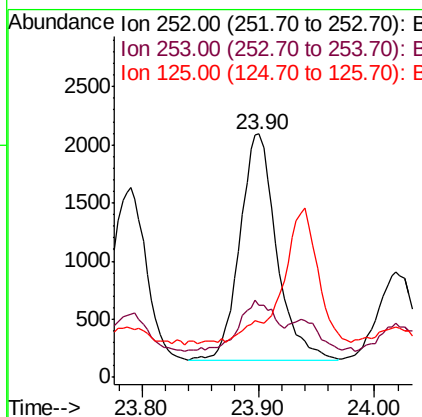
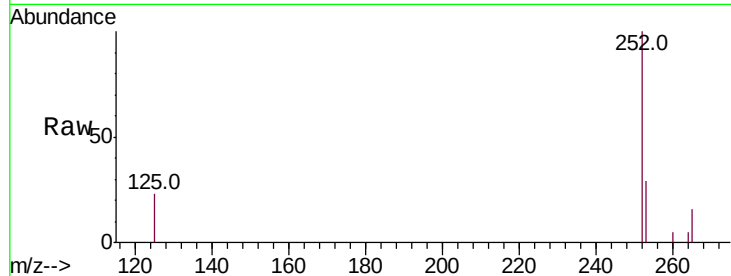
#37
Benzo(a)pyrene
Concen: 0.189 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Instrument :
BNA_E
ClientSampled :
MW-202

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	20.6	31.0
125	22.6	15.6	23.4

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11/2/2018 4:10:58 PM



#39
Benzo(g,h,i)perylene
Concen: 0.115 ng
RT: 27.54 min Scan# 3259
Delta R.T. 0.01 min
Lab File: BE098151.D
Acq: 1 Nov 2018 18:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.4	22.1	33.1
138	27.7	19.3	28.9

