

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
 Data File : BM020391.D
 Acq On : 18 May 2019 08:10
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 05:20:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	85957	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	344165	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	213479	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	477874	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	427412	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	486760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	462	0.20	ng/uL	0.02
5) Phenol-d5	6.90	99	5312	0.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	3694	0.85	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	5076	1.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	3871	0.78	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	2562	1.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	1930	0.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	4710	0.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	12741	2.36	ng/ul	0.03
43) Dimethylphthalate-d6	13.79	166	22231	1.45	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	26260	1.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	2424	1.09	ng/ul	0.00
57) Fluorene-d10	15.37	176	20902	1.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	1400	0.51	ng/ul	0.02
70) Anthracene-d10	17.13	188	477874	23.31	ng/ul	-0.10
78) Pyrene-d10	19.53	212	32009	1.55	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	29013	1.31	ng/ul	0.00

Target Compounds

					Ovalue	
17) Hexachloroethane	8.82	117	16515	6.814	ng/ul#	1
28) Naphthalene	10.57	128	720325	45.554	ng/ul	99
32) Caprolactam	11.52	113	11921	8.221	ng/ul#	49
34) 2-Methylnaphthalene	12.20	142	2832595	247.412	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	46771	3.060	ng/ul	99
47) Acenaphthylene	14.11	152	1782689	98.398	ng/ul	98
49) Acenaphthene	14.44	153	242770	19.492	ng/ul	99
53) Dibenzofuran	14.78	168	497605	26.383	ng/ul	98
54) 2,4-Dinitrotoluene	14.77	165	15031	3.703	ng/ul#	1
58) Fluorene	15.44	166	1403964	92.919	ng/ul	99
64) N-Nitrosodiphenylamine	15.63	169	43536	3.682	ng/ul#	79
69) Phenanthrene	17.19	178	7532276	330.806	ng/ul	99
71) Anthracene	17.27	178	1383281	59.723	ng/ul	100
76) Fluoranthene	19.20	202	3637156	126.455	ng/ul	100
79) Pyrene	19.57	202	5048537	196.792	ng/ul	97
82) Benzo(a)anthracene	21.31	228	1777971	69.114	ng/ul	95
84) Chrysene	21.36	228	1585615	64.497	ng/ul	97
87) Benzo(b)fluoranthene	22.91	252	1574468	56.675	ng/ul	97
88) Benzo(k)fluoranthene	22.91	252	1574468	57.700	ng/ul	99
90) Benzo(a)pyrene	23.50	252	1491134	57.035	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	751950	25.242	ng/ul	98
92) Dibenzo(a,h)anthracene	26.01	278	74519	2.925	ng/ul	92
93) Benzo(g,h,i)perylene	26.61	276	694358	28.158	ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

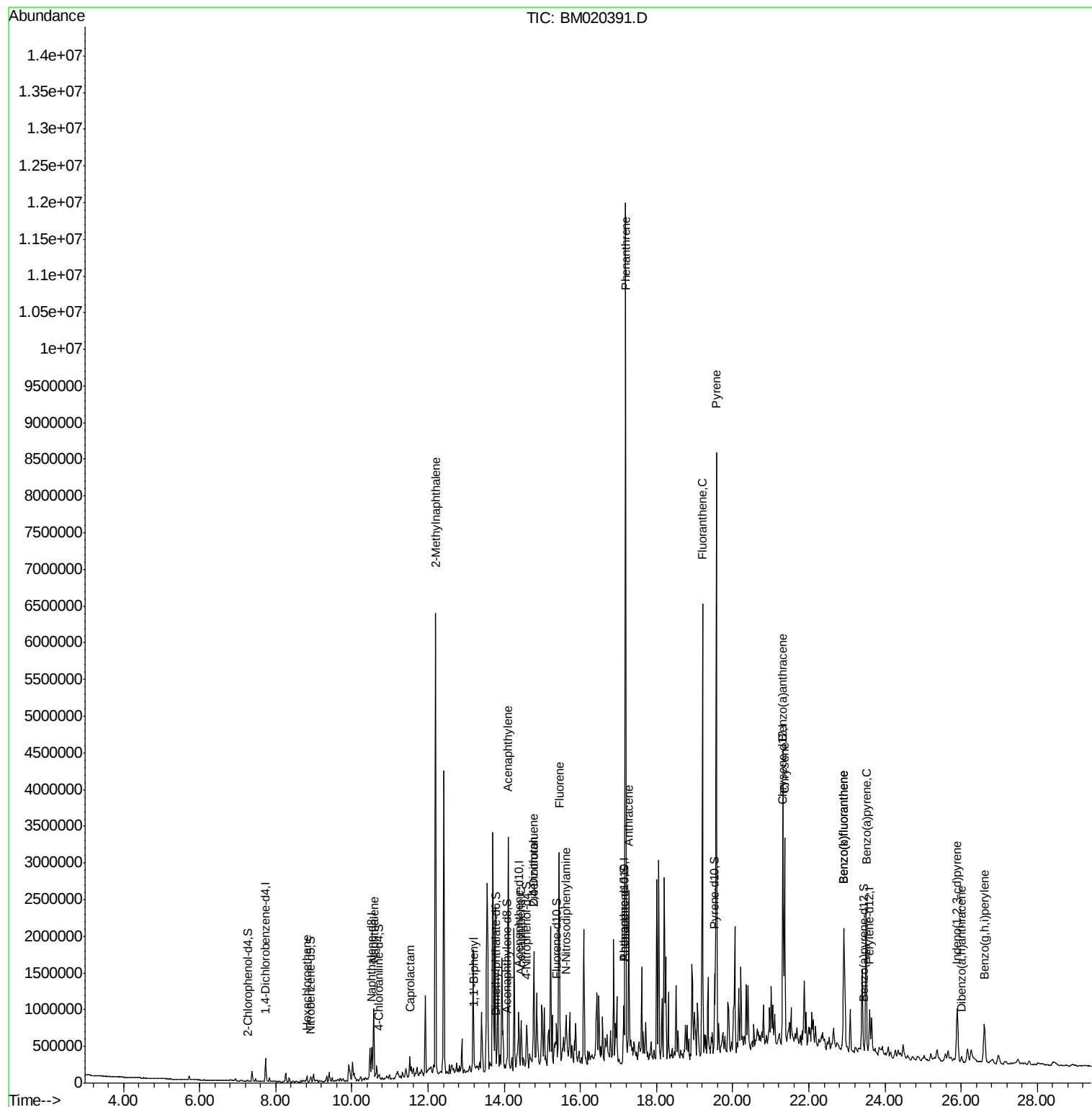
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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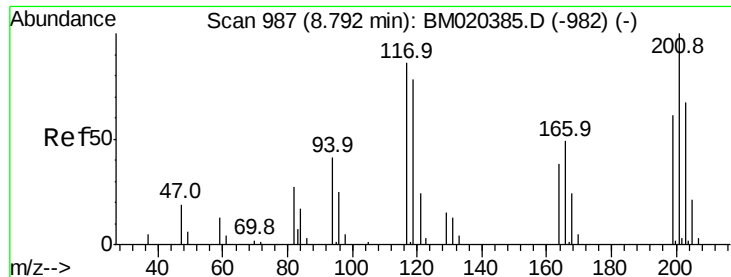
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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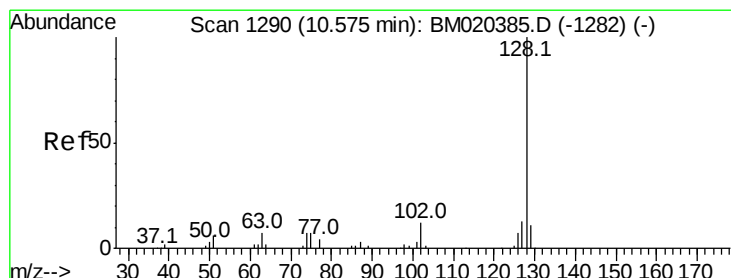
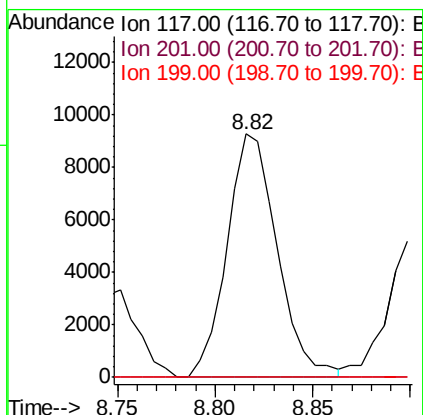
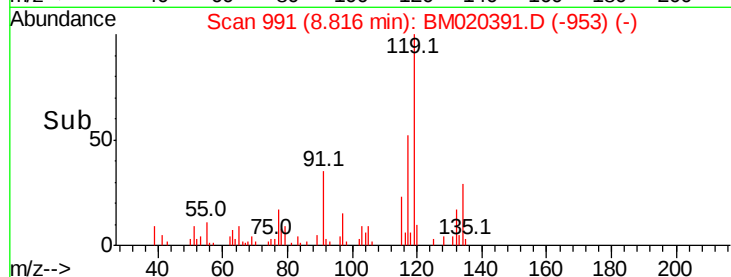
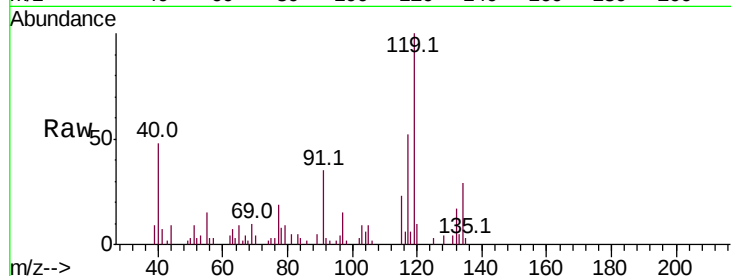




#17
Hexachloroethane
Concen: 6.814 ng/ul
RT: 8.82 min Scan# 991
Delta R.T. 0.02 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

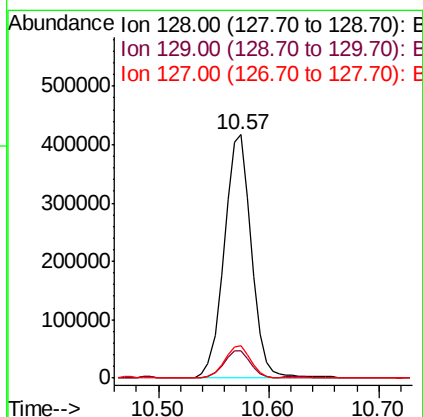
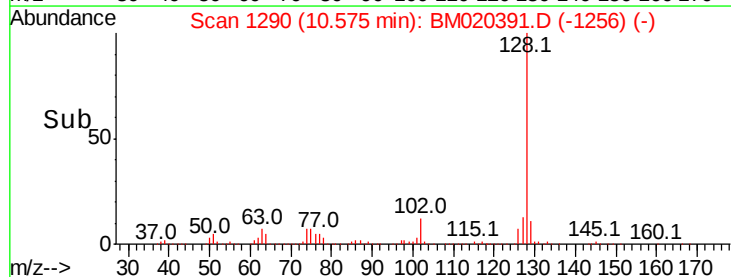
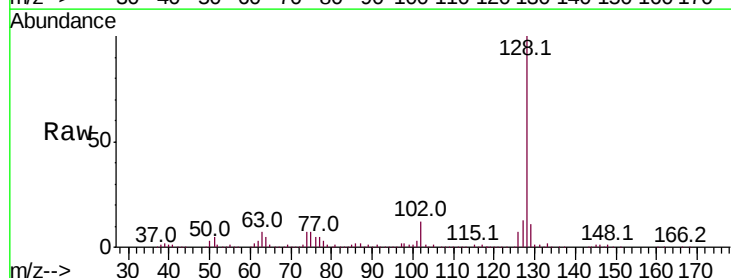
Instrument :
BNA_M
ClientSampleId :

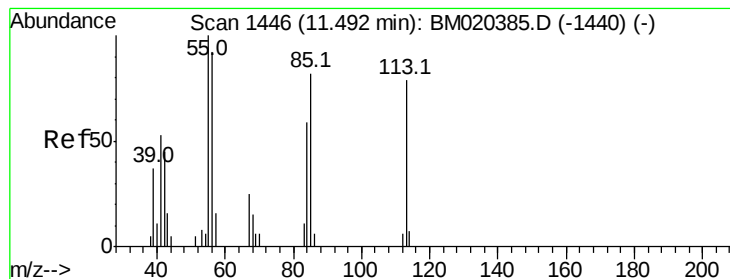
Tot Ion:117 Resp: 16515
Ion Ratio Lower Upper
117 100
201 0.0 102.4 153.6#
199 0.0 63.3 94.9#



#28
Naphthalene
Concen: 45.554 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion:128 Resp: 720325
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.6 15.8





#32

Caprolactam

Concen: 8.221 ng/ul

RT: 11.52 min Scan# 1451

Delta R.T. 0.03 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

Instrument :

BNA_M

ClientSampleId :

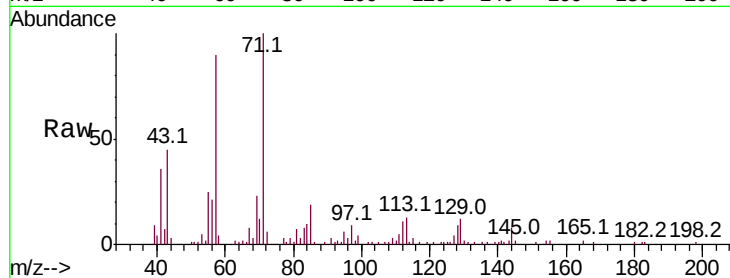
Tot Ion:113 Resp: 11921

Ion Ratio Lower Upper

113 100

55 193.9 104.6 156.8#

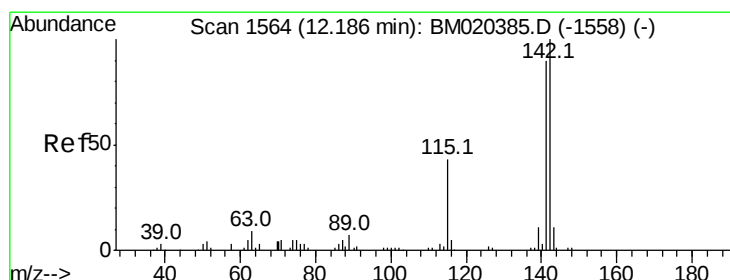
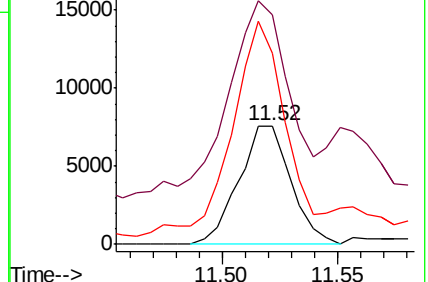
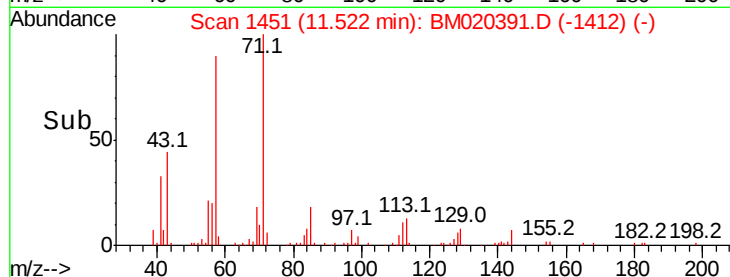
56 161.3 88.4 132.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 247.412 ng/ul

RT: 12.20 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BM020391.D

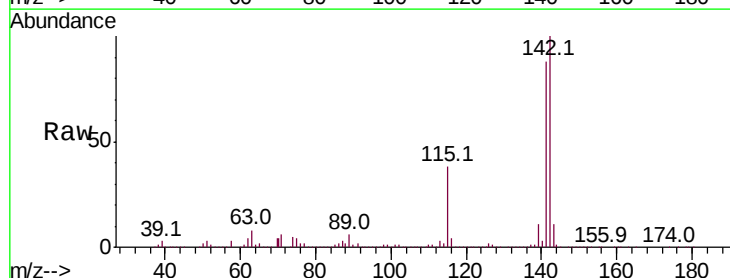
Acq: 18 May 2019 08:10

Tgt Ion:142 Resp: 2832595

Ion Ratio Lower Upper

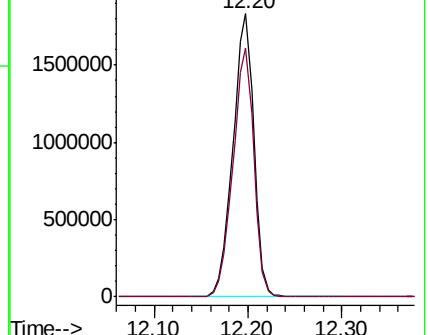
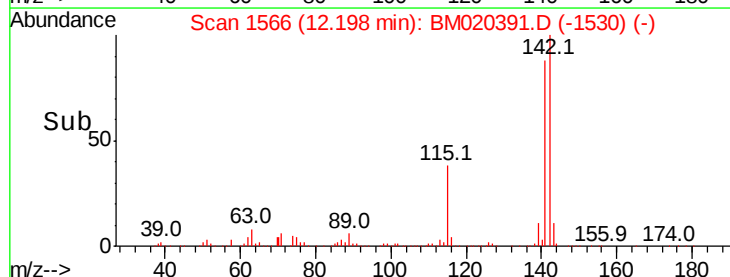
142 100

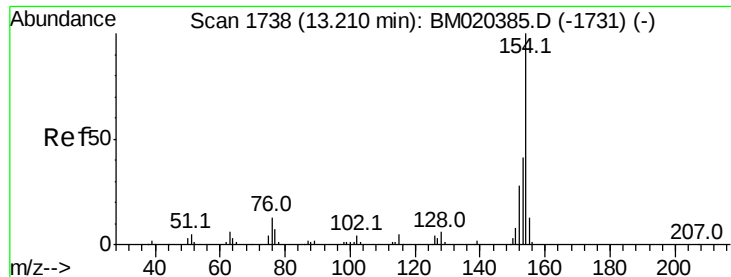
141 87.8 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

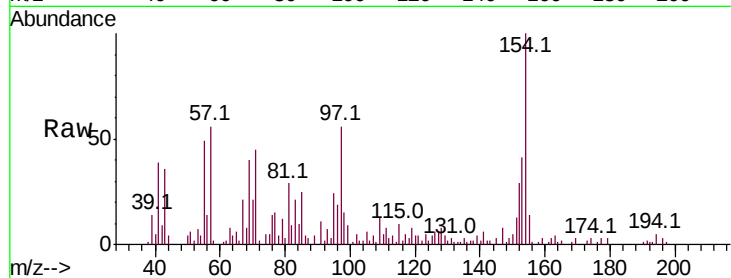




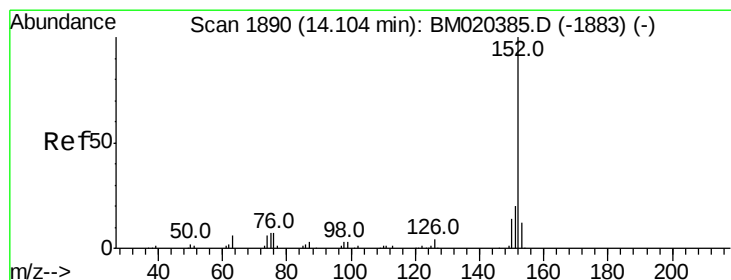
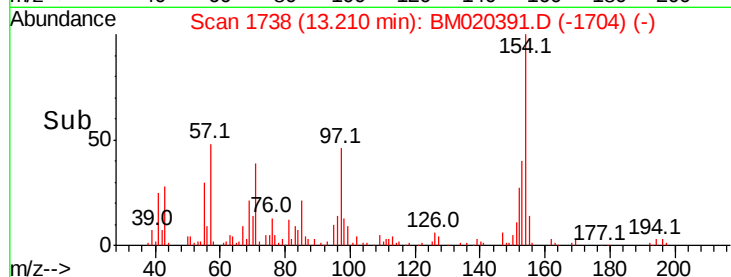
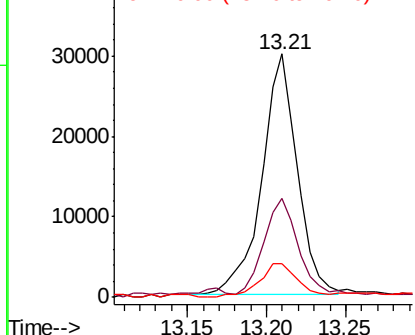
#40
 1,1'-Biphenyl
 Concen: 3.060 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:154 Resp: 46771
 Ion Ratio Lower Upper
 154 100
 153 40.7 32.2 48.4
 76 14.1 11.0 16.4

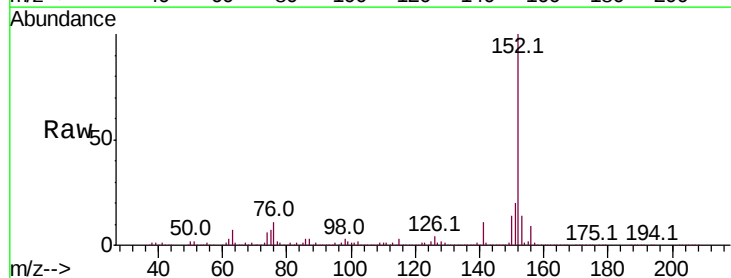


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

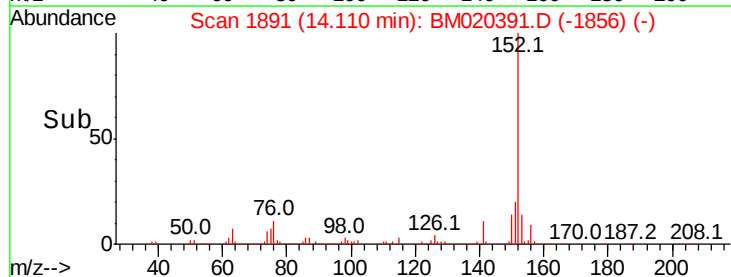
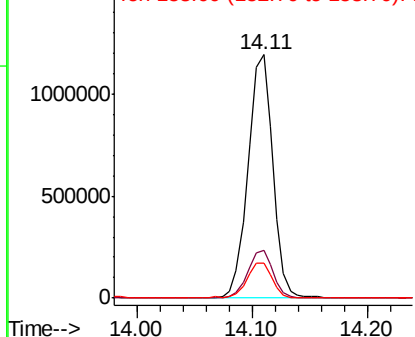


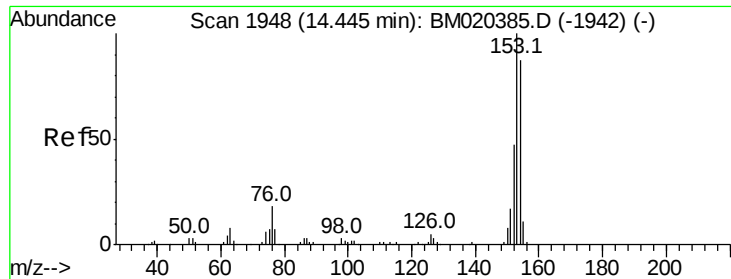
#47
 Acenaphthylene
 Concen: 98.398 ng/ul
 RT: 14.11 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Tgt Ion:152 Resp: 1782689
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.4 23.0
 153 14.2 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 19.492 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

Instrument :

BNA_M

ClientSampleId :

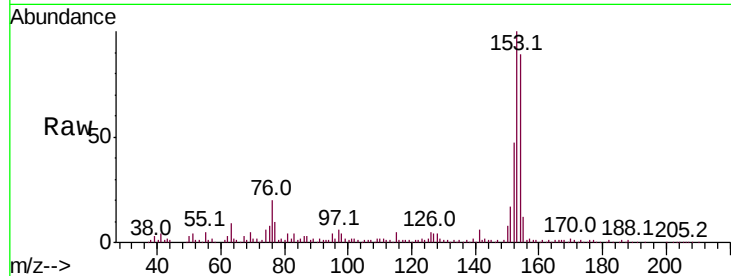
Tot Ion:153 Resp: 242770

Ion Ratio Lower Upper

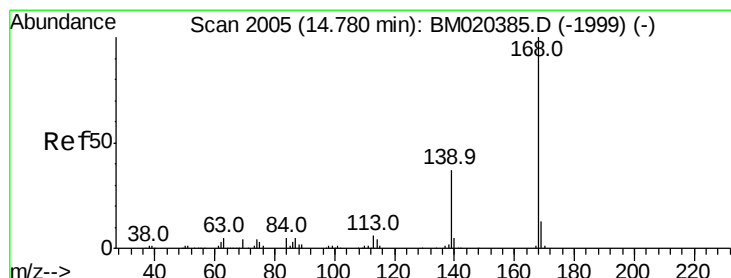
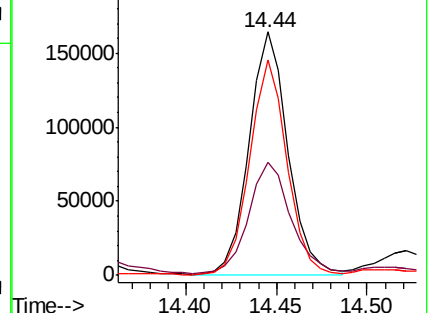
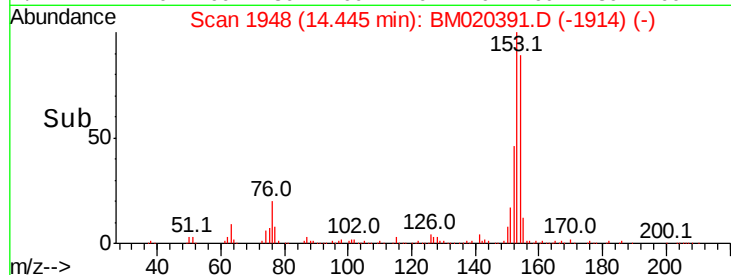
153 100

152 46.6 37.9 56.9

154 88.7 71.2 106.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 26.383 ng/ul

RT: 14.78 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM020391.D

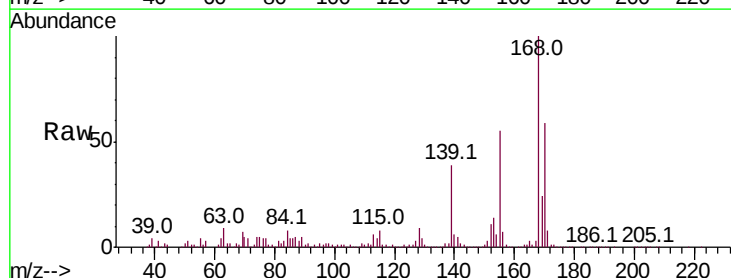
Acq: 18 May 2019 08:10

Tgt Ion:168 Resp: 497605

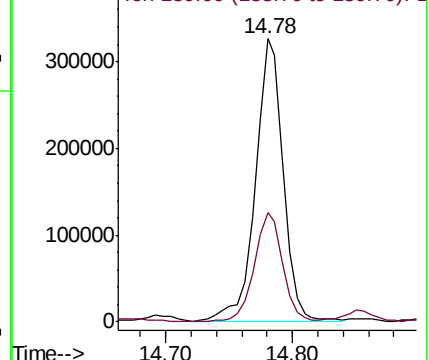
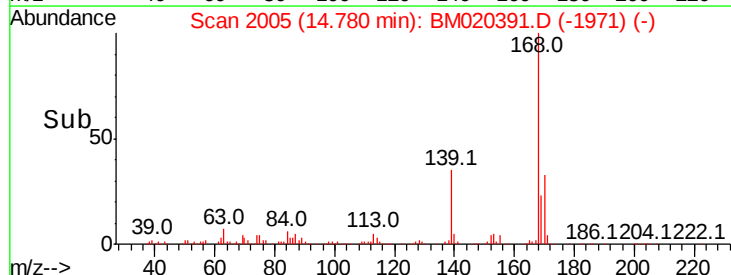
Ion Ratio Lower Upper

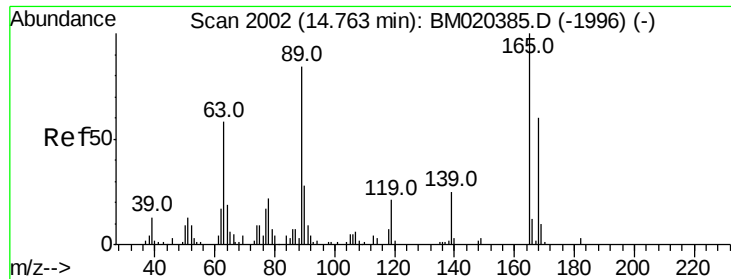
168 100

139 38.5 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

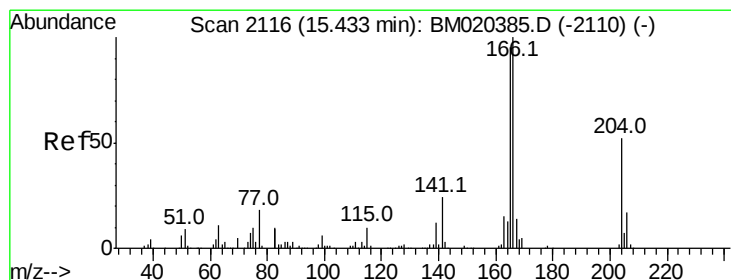
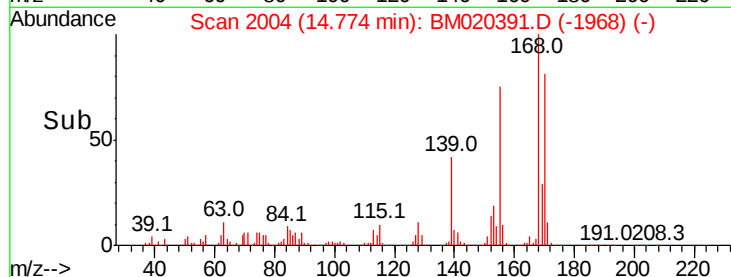
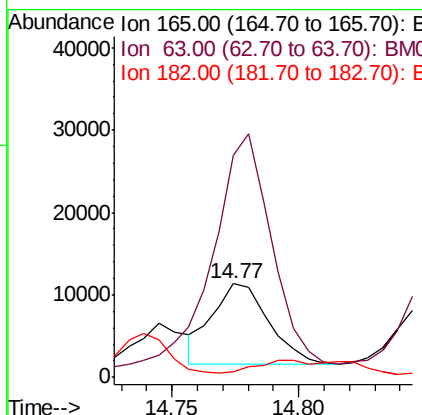
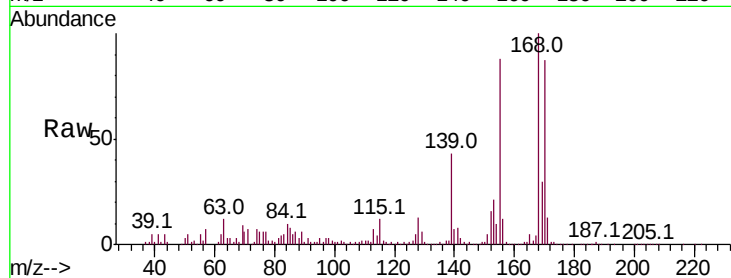




#54
 2,4-Dinitrotoluene
 Concen: 3.703 ng/ul
 RT: 14.77 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

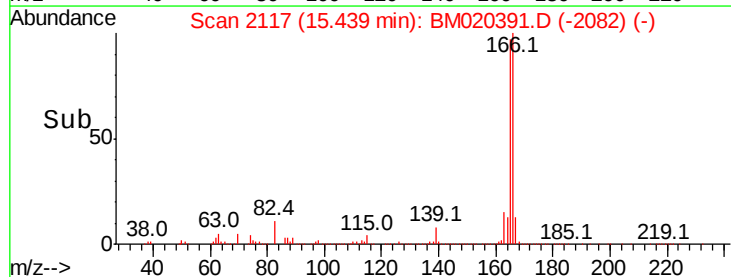
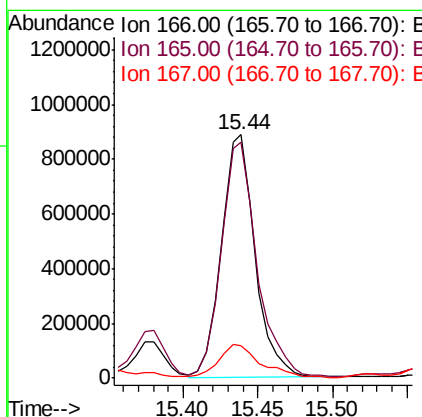
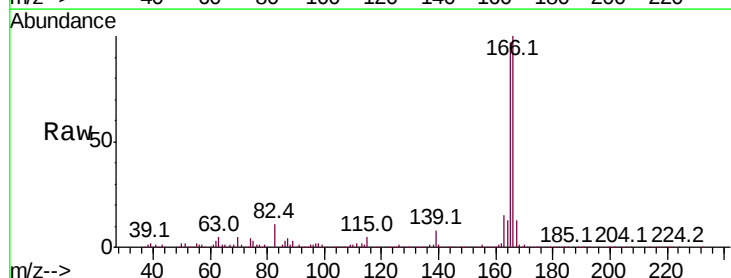
Instrument :
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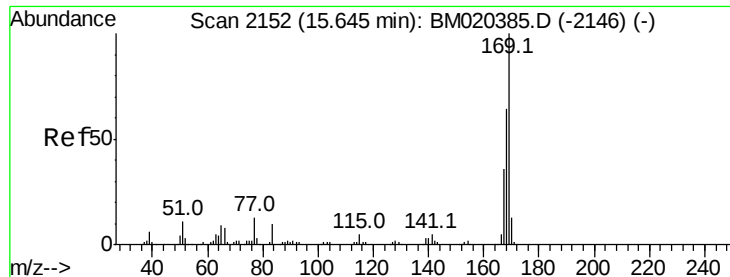
Tot Ion:165 Resp: 15031
 Ion Ratio Lower Upper
 165 100
 63 237.1 43.2 64.8#
 182 6.2 2.6 4.0#



#58
 Fluorene
 Concen: 92.919 ng/ul
 RT: 15.44 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Tgt Ion:166 Resp: 1403964
 Ion Ratio Lower Upper
 166 100
 165 97.2 77.1 115.7
 167 13.5 11.1 16.7



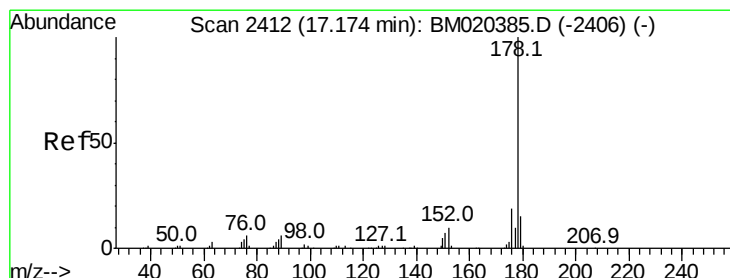
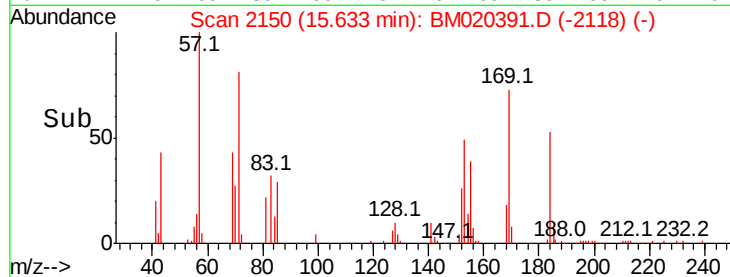
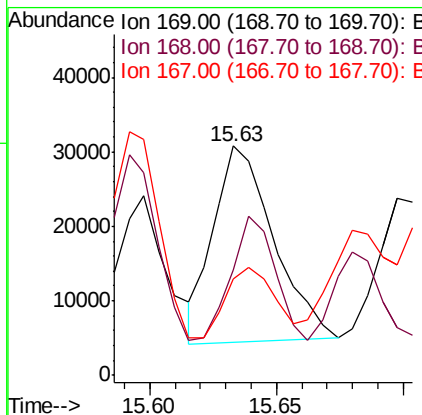
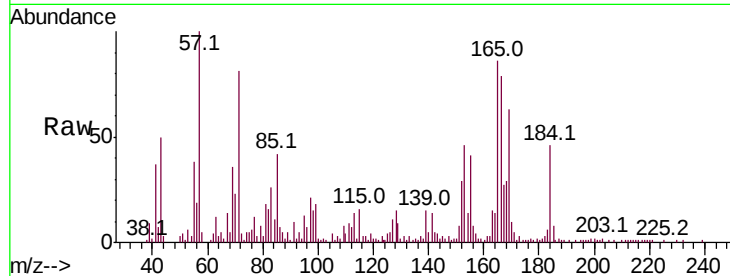


#64

N-Nitrosodiphenylamine
Concen: 3.682 ng/ul
RT: 15.63 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampled :

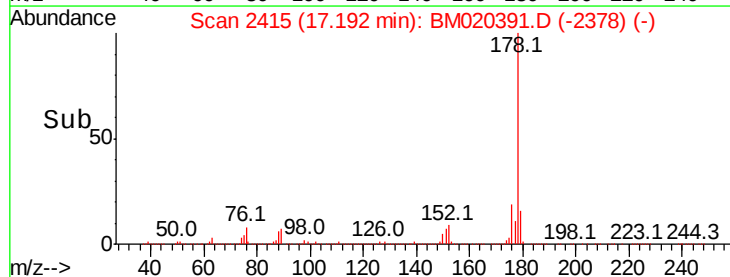
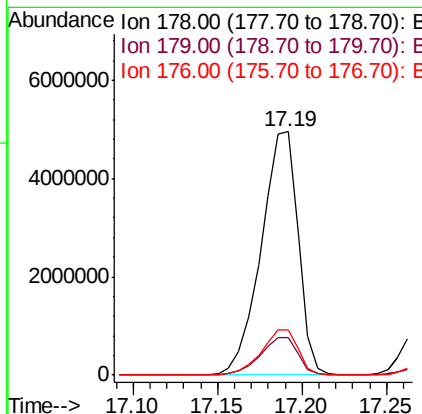
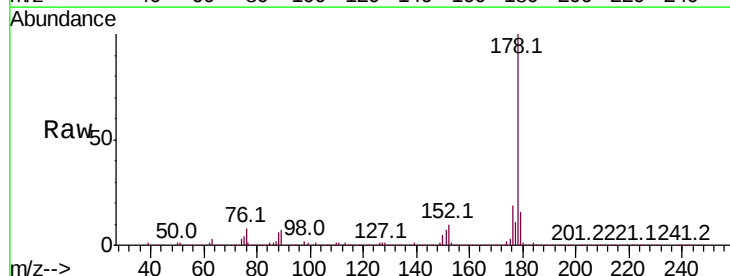
Tot Ion:169 Resp: 43536
Ion Ratio Lower Upper
169 100
168 46.0 53.2 79.8#
167 42.0 28.2 42.2

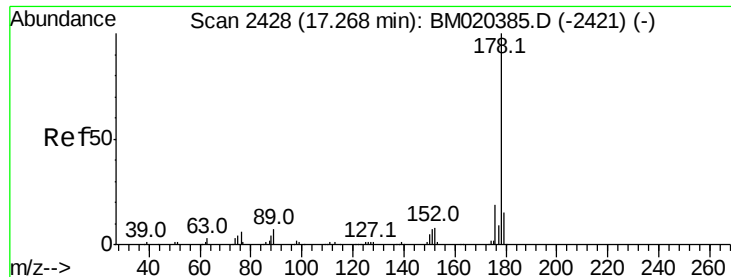


#69

Phenanthrene
Concen: 330.806 ng/ul
RT: 17.19 min Scan# 2415
Delta R.T. 0.02 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion:178 Resp: 7532276
Ion Ratio Lower Upper
178 100
179 15.6 11.9 17.9
176 18.6 14.6 22.0

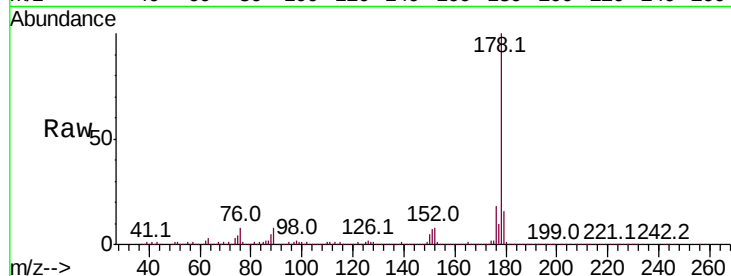




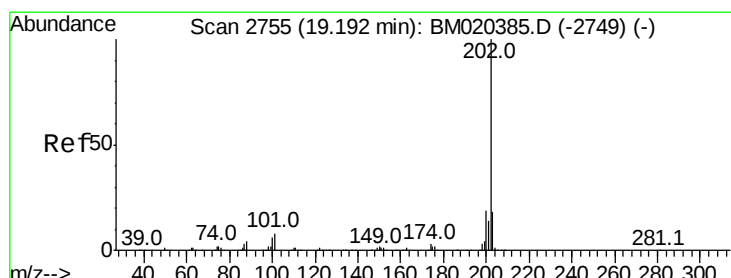
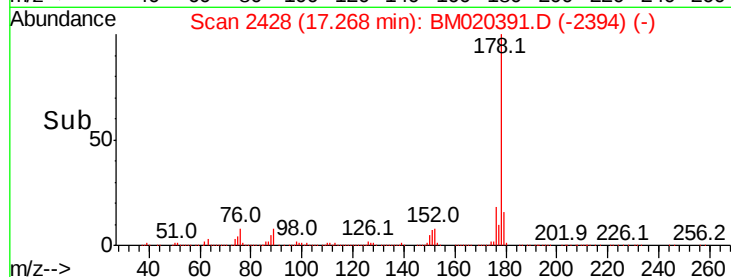
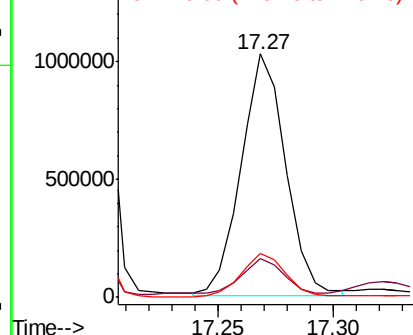
#71
 Anthracene
 Concen: 59.723 ng/ul
 RT: 17.27 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 1383281
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.4 18.6
 176 18.0 14.4 21.6

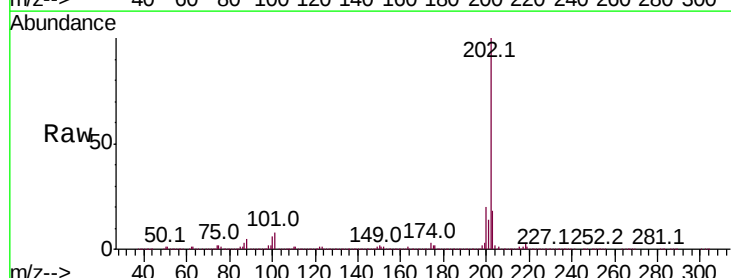


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

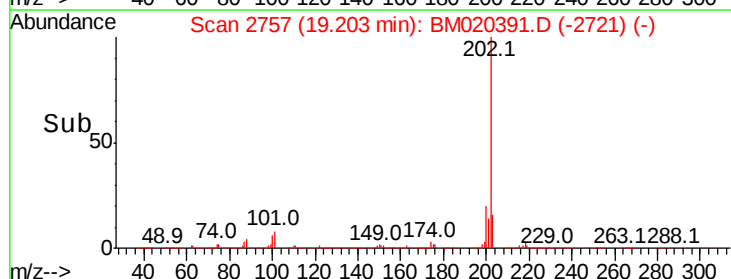
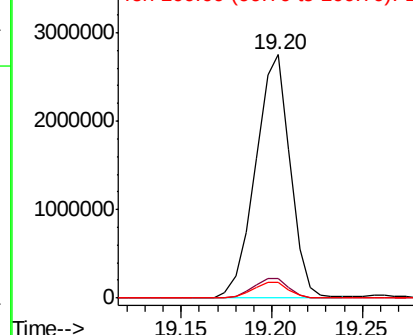


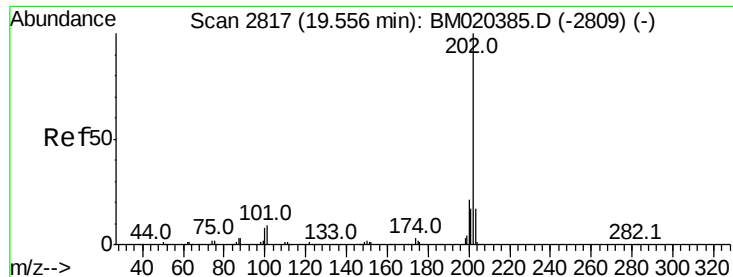
#76
 Fluoranthene
 Concen: 126.455 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Tgt Ion:202 Resp: 3637156
 Ion Ratio Lower Upper
 202 100
 101 8.0 6.4 9.6
 100 6.2 5.2 7.8



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

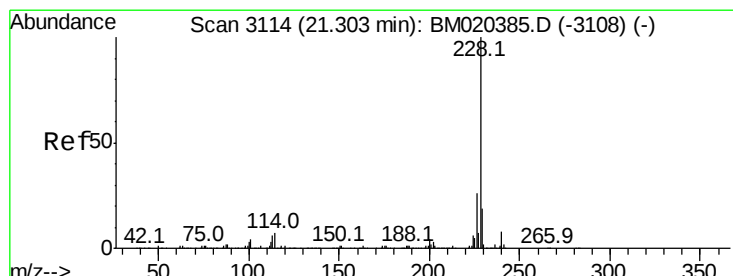
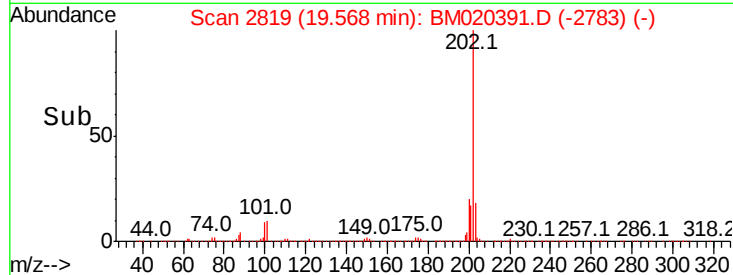
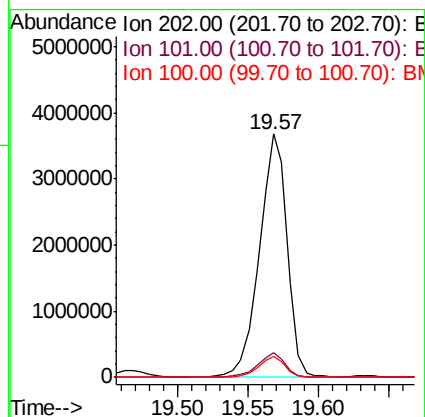
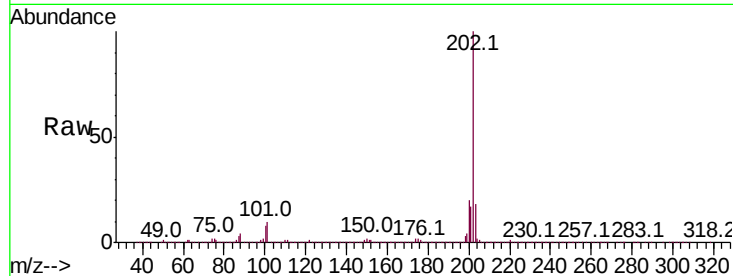




#79
Pvrene
Concen: 196.792 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

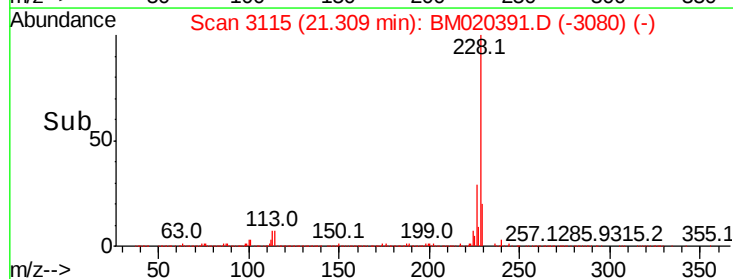
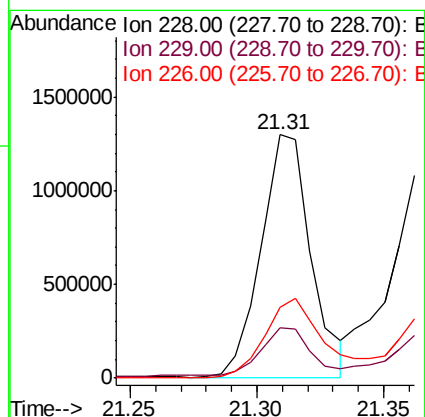
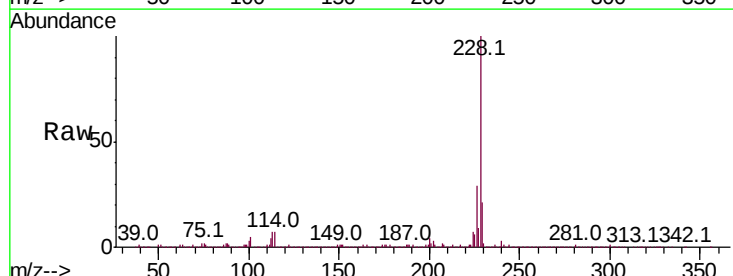
Instrument :
BNA_M
ClientSampleId :

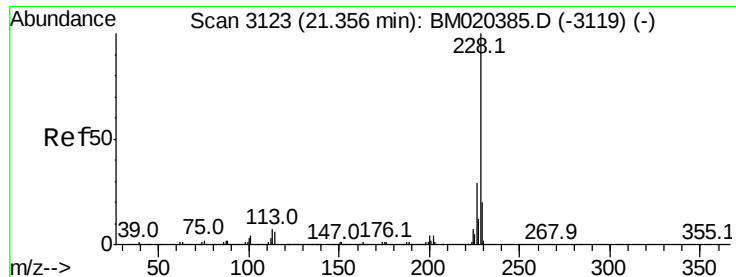
Tot Ion:202 Resp: 5048537
Ion Ratio Lower Upper
202 100
101 10.1 7.1 10.7
100 8.4 5.9 8.9



#82
Benzo(a)anthracene
Concen: 69.114 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion:228 Resp: 1777971
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 29.1 20.6 30.8





#84

Chrysene

Concen: 64.497 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

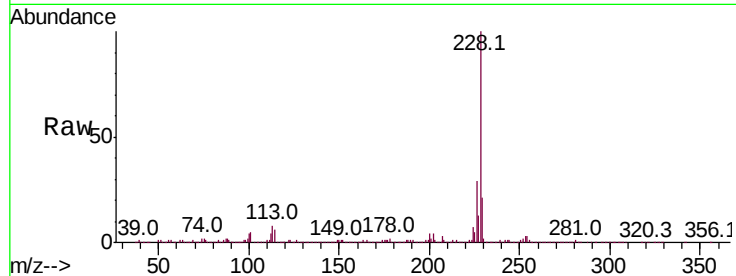
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1585615

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.4
229	20.7	15.4	23.2

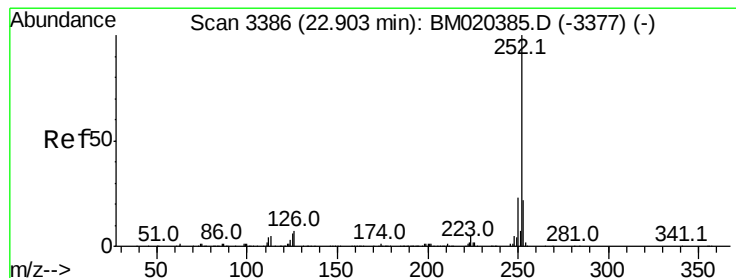
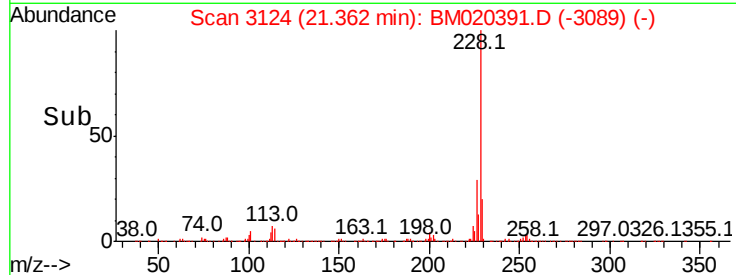
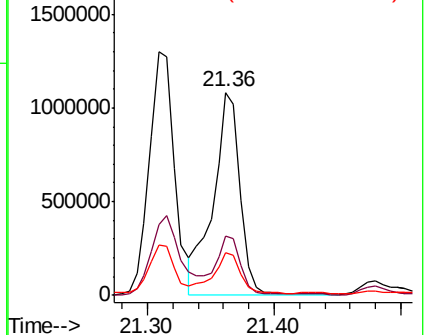


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 56.675 ng/ul

RT: 22.91 min Scan# 3388

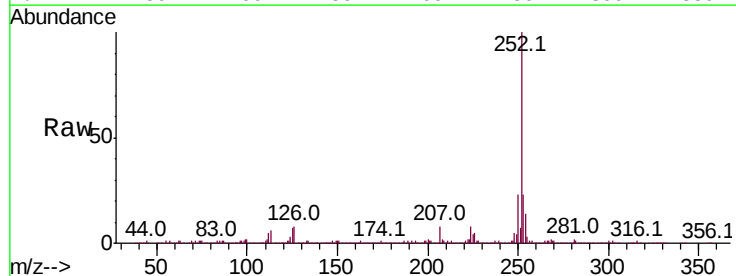
Delta R.T. 0.01 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

Tgt Ion:252 Resp: 1574468

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	6.8	5.0	7.4

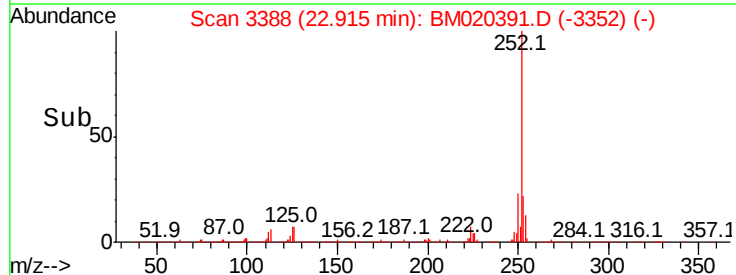
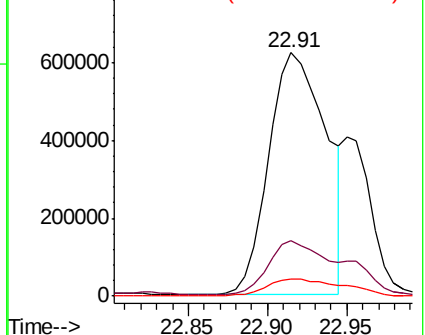


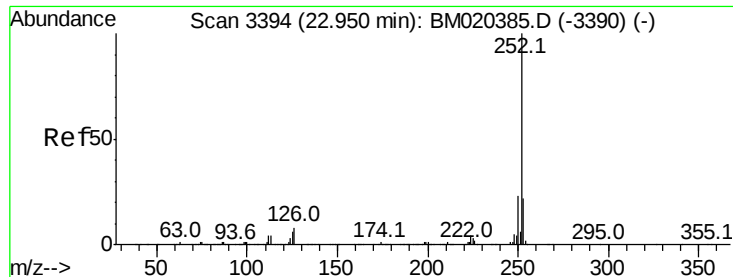
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 57.700 ng/ul

RT: 22.91 min Scan# 3388

Delta R.T. -0.04 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

Instrument :

BNA_M

ClientSampleId :

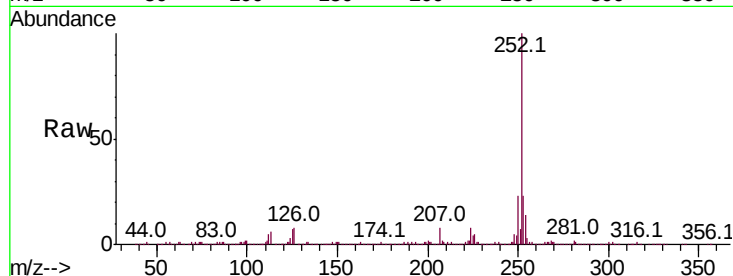
Tot Ion:252 Resp: 1574468

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

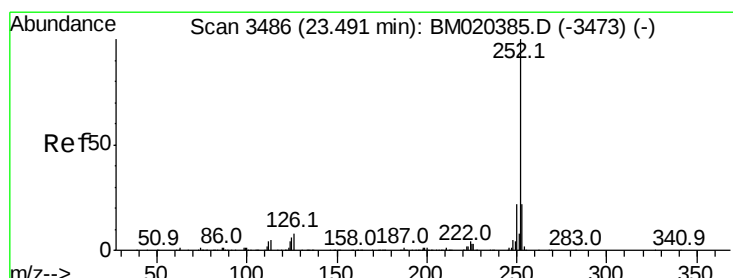
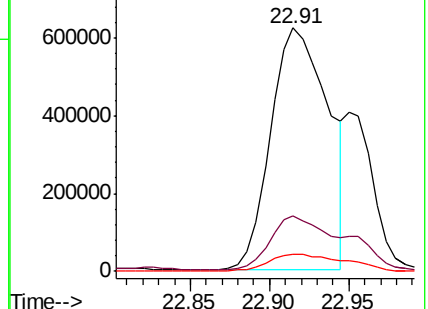
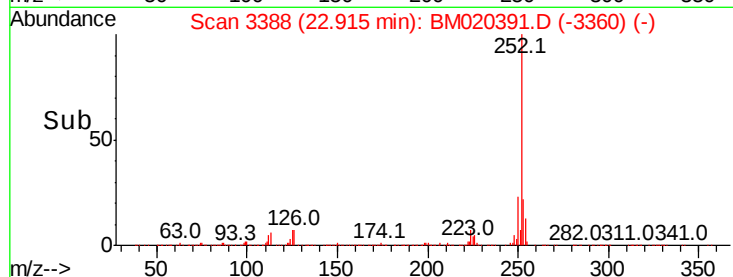
125 6.8 5.0 7.6



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



#90

Benzo(a)pyrene

Concen: 57.035 ng/ul

RT: 23.50 min Scan# 3488

Delta R.T. 0.01 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

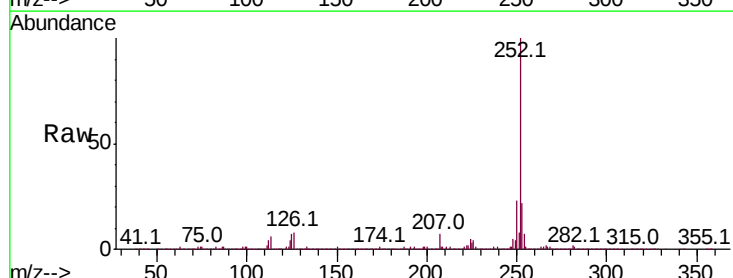
Tgt Ion:252 Resp: 1491134

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

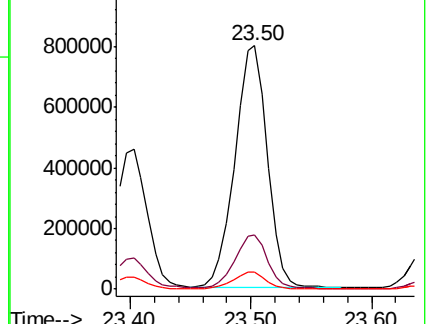
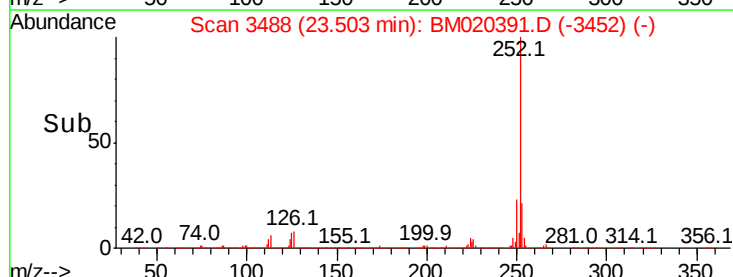
125 6.8 5.4 8.2

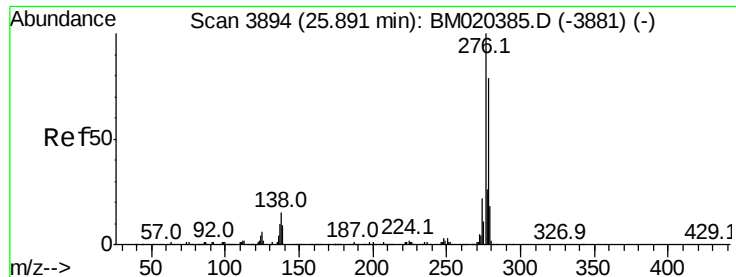


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



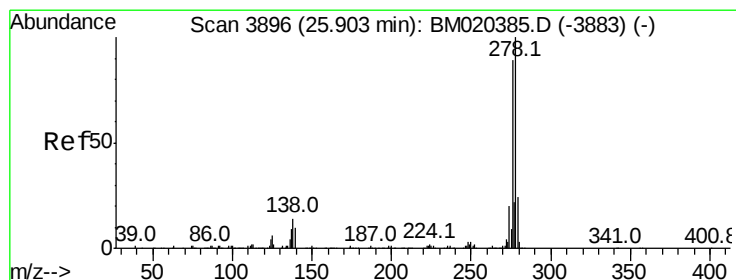
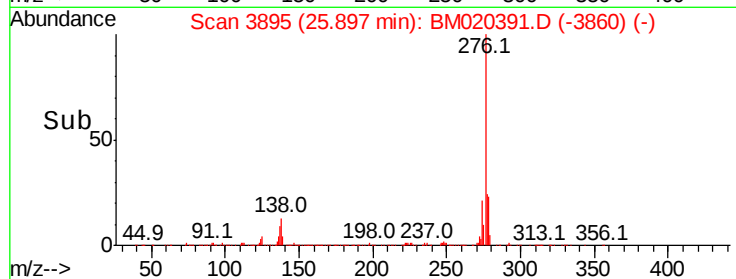
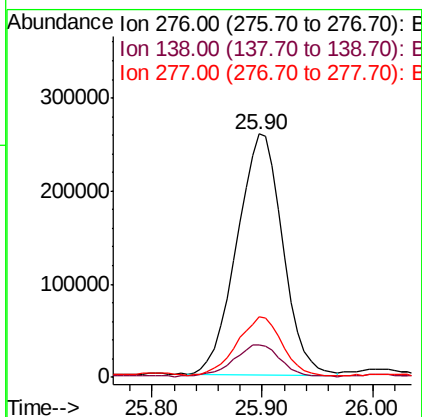
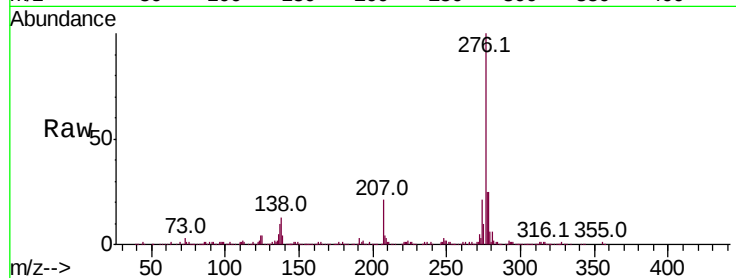


#91

Indeno(1,2,3-cd)pyrene
Concen: 25.242 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampleId :

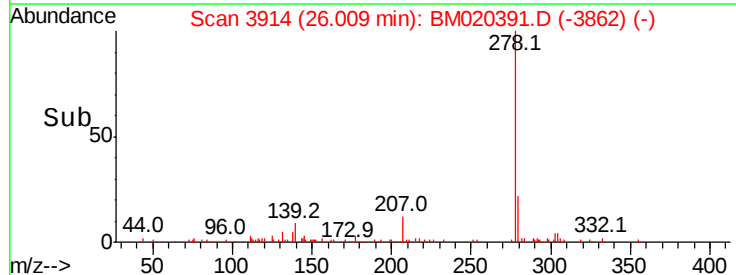
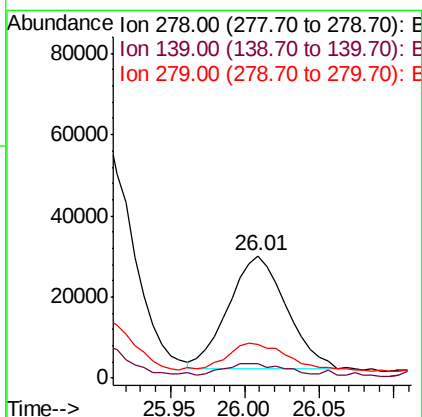
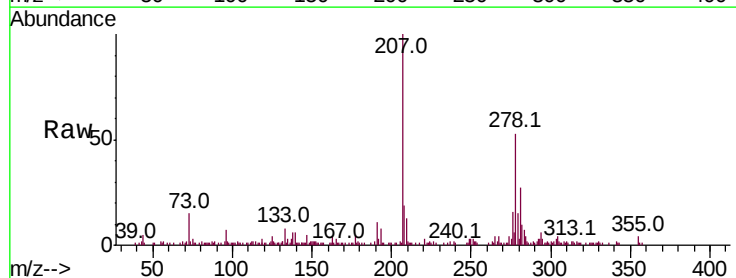
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	12.3	18.5
277	24.7	20.0	30.0

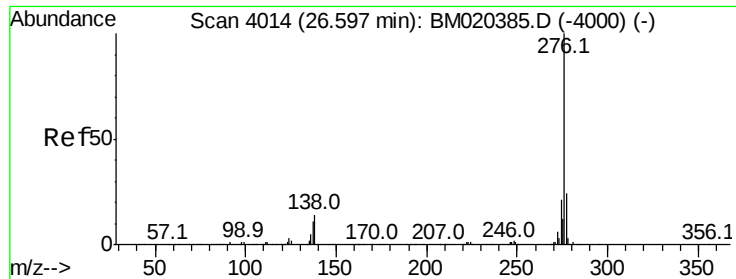


#92

Dibenzo(a,h)anthracene
Concen: 2.925 ng/ul
RT: 26.01 min Scan# 3914
Delta R.T. 0.11 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	8.1	12.1
279	27.7	18.7	28.1





#93

Benzo(a,h,i)perylene

Concen: 28.158 ng/ul

RT: 26.61 min Scan# 4016

Delta R.T. 0.01 min

Lab File: BM020391.D

Acq: 18 May 2019 08:10

Instrument :

BNA_M

ClientSampleId :

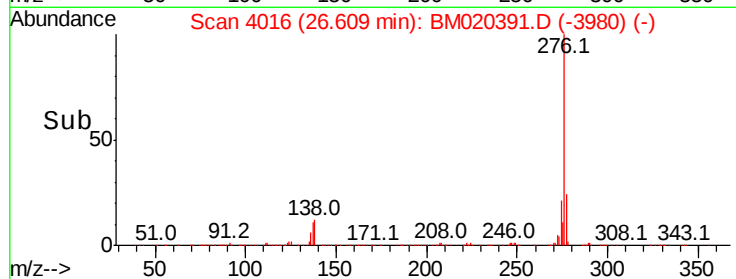
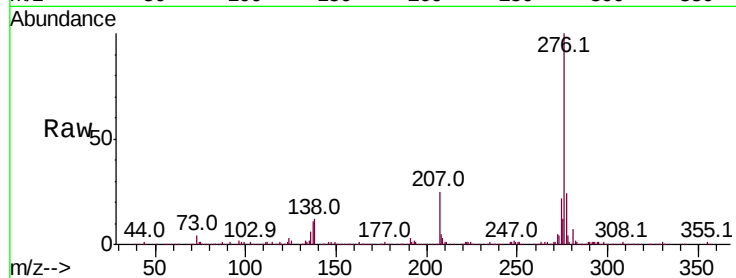
Tot Ion:276 Resp: 694358

Ion Ratio Lower Upper

276 100

138 12.5 10.0 15.0

277 24.1 18.2 27.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

