

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 :
 GAJ78

Manual Integrations
 APPROVED

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Quant Time: May 20 05:49:42 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	5777m	0.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	4224m	0.97	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	4029m	0.81	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	4896m	0.94	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	14.62	143	997m	0.45	ng/ul	0.02
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	17.23	188	29562m	1.44	ng/ul	0.00
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	
28) Naphthalene	10.57	128	720325	45.554	ng/ul	99
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
58) Fluorene	15.44	166	1403964	92.919	ng/ul	99
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	22.95	252	491745m	18.021	ng/ul	
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	25.90	278	213957m	8.399	ng/ul	
93) Benzo(g,h,i)perylene	26.61	276	694358	28.158	ng/ul	98

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

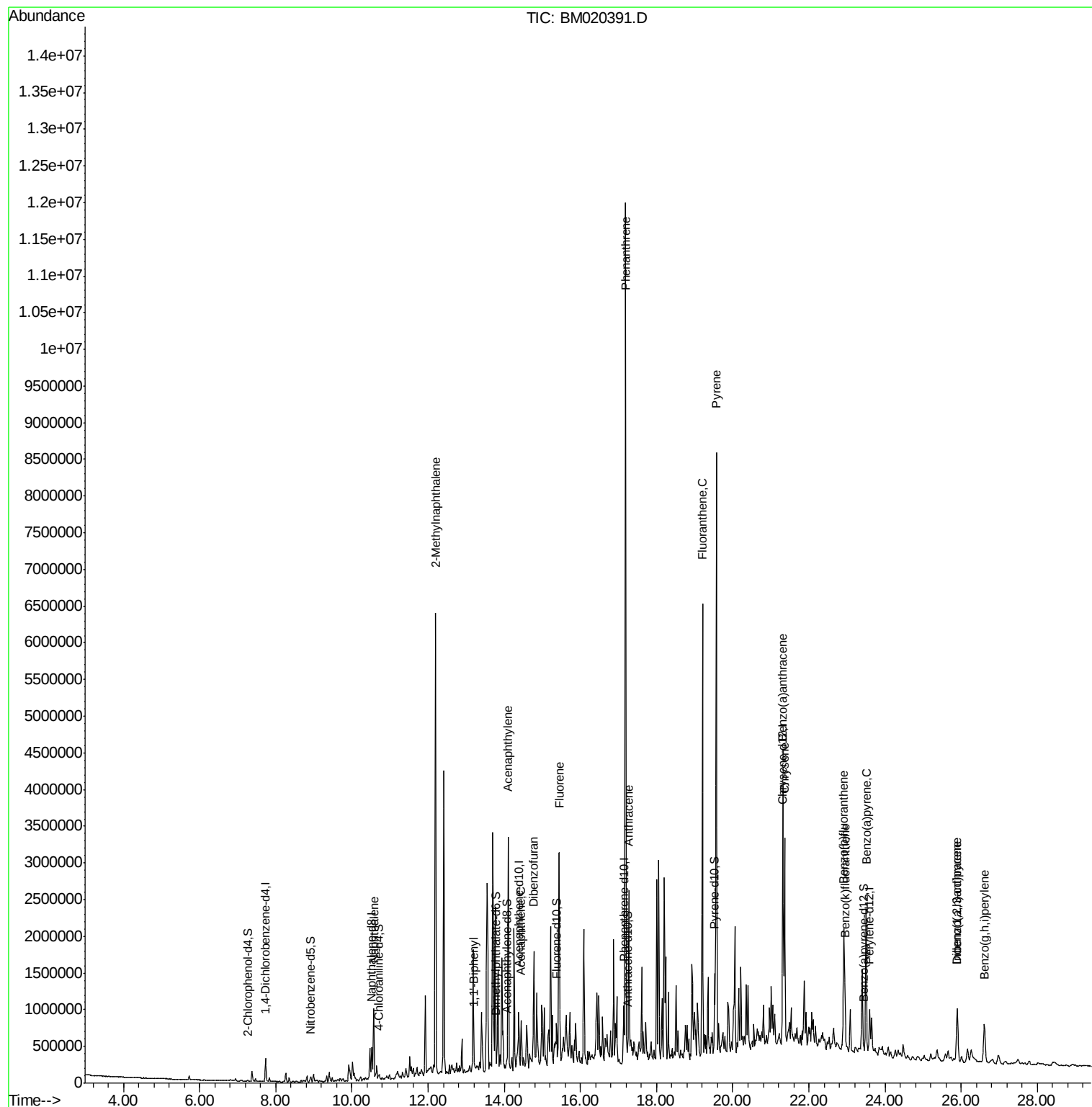
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020391.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

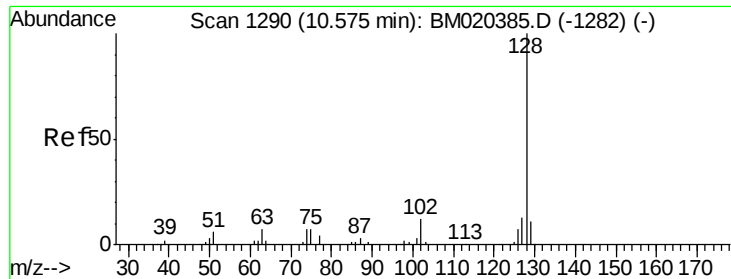
Instrument :
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ClientSampleId :
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Quant Time: May 20 05:49:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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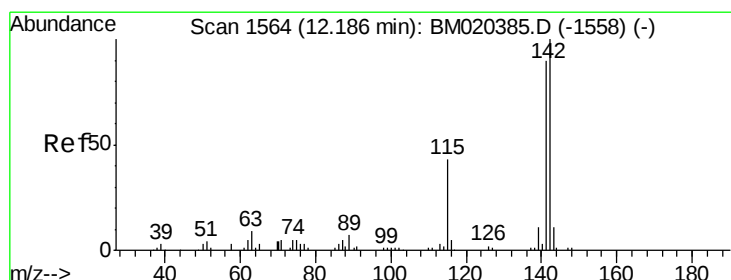
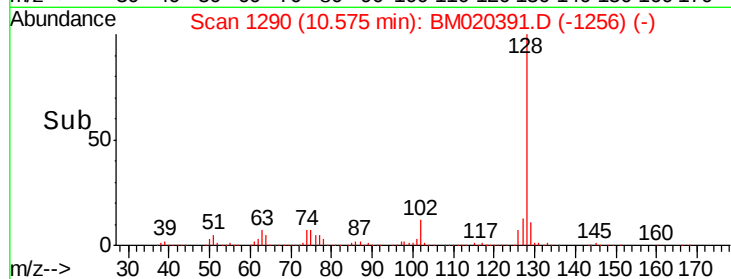
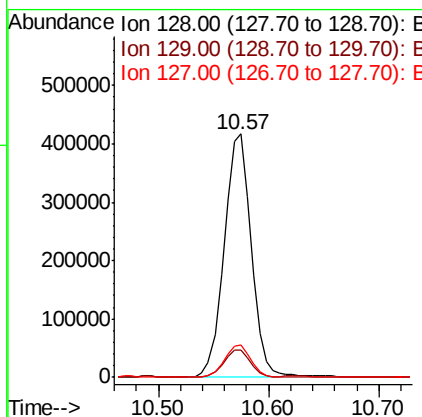
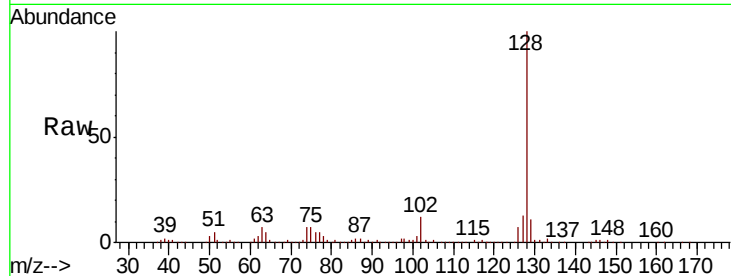
#28
Naphthalene
Concen: 45.554 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampled :
GAJ78

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.2	10.6	15.8

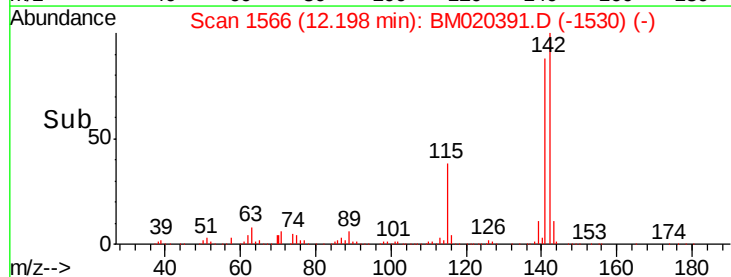
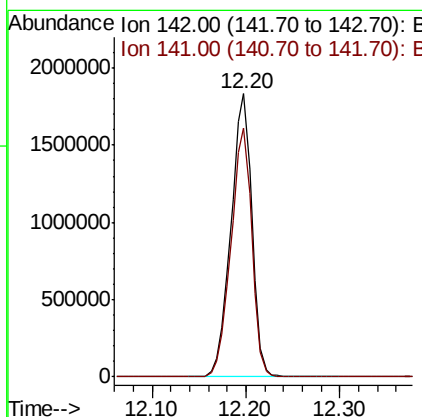
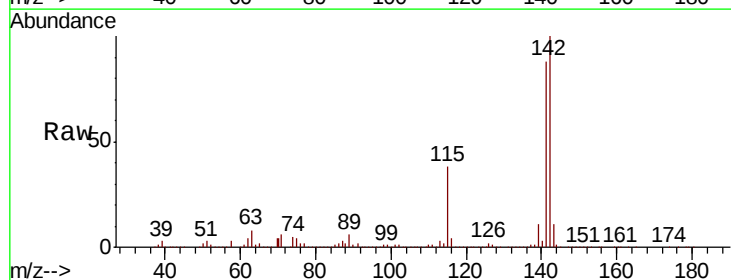
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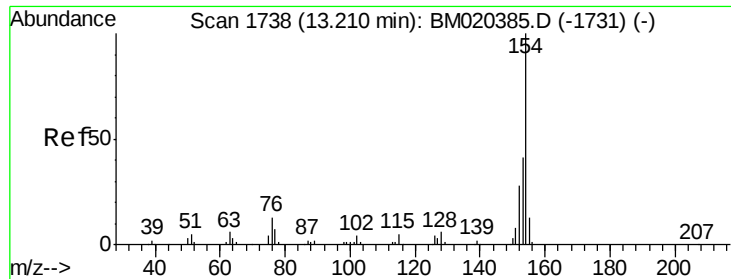
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#34
2-Methylnaphthalene
Concen: 247.412 ng/ul
RT: 12.20 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	68.6	102.8





#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

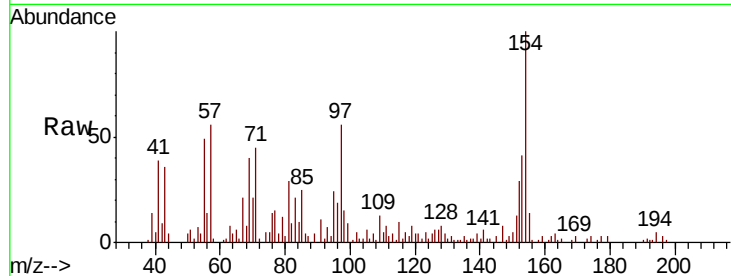
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GAJ78

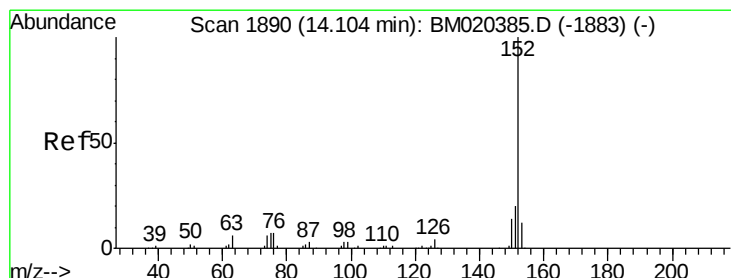
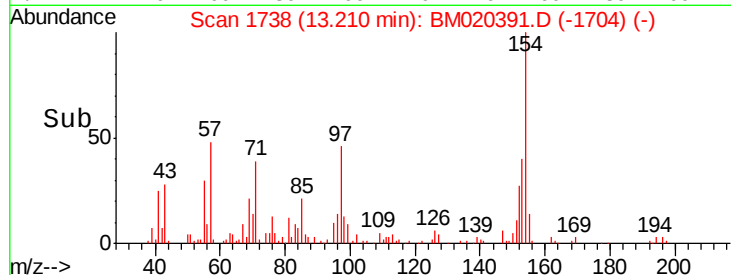
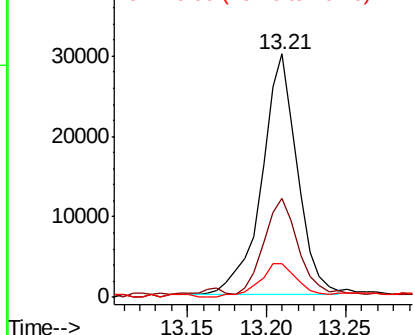
Tot Ion:	154	Resp:	46771
Ion Ratio	Lower	Upper	
154	100		
153	40.7	32.2	48.4
76	14.1	11.0	16.4

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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

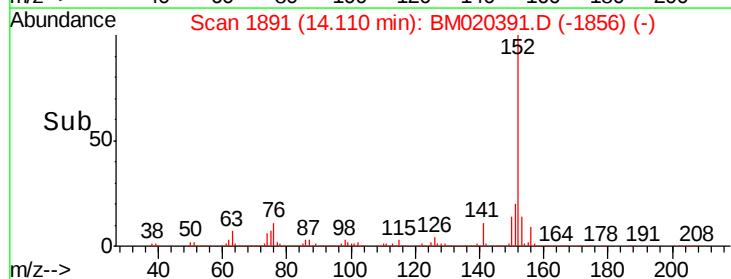
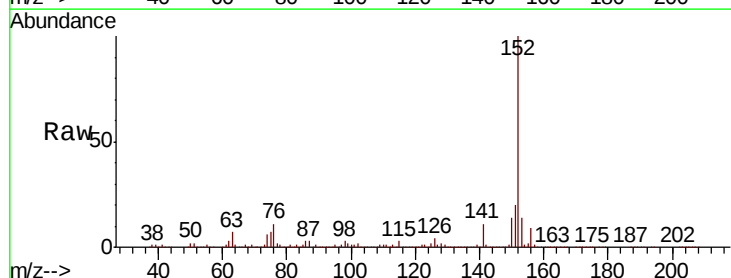
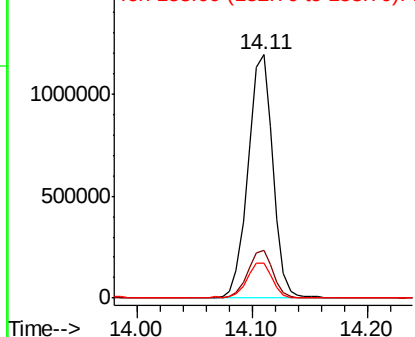
Delta R.T. 0.01 min

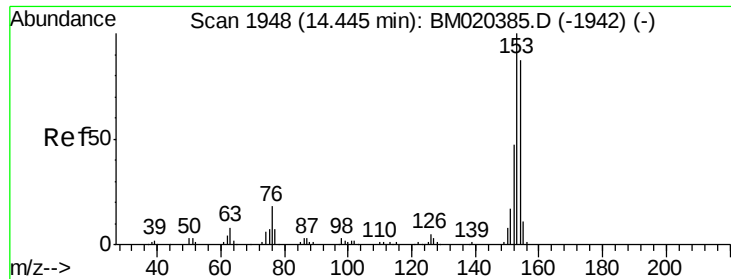
Lab File: BM020391.D

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

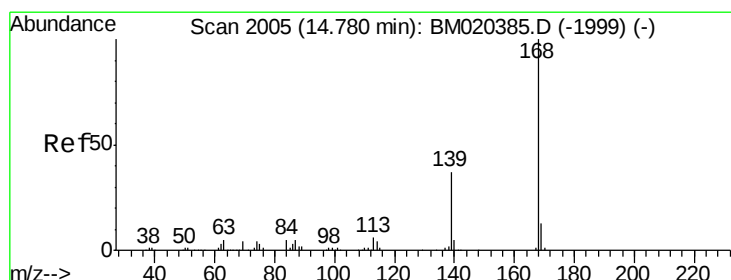
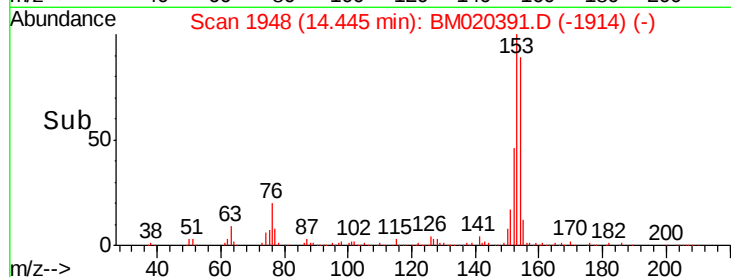
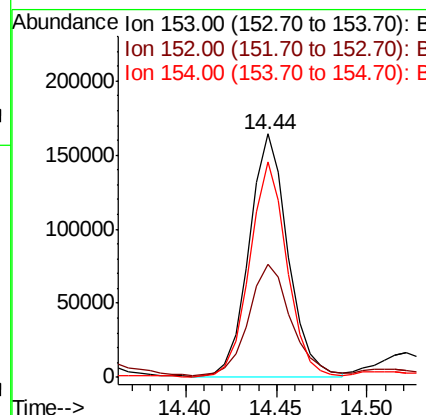
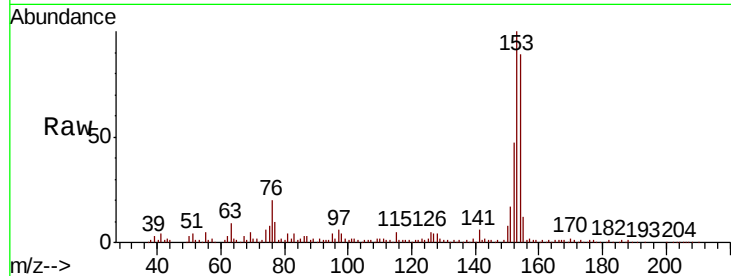
ClientSampled :

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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

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#53

Dibenzofuran

Concen: 26.383 ng/ul

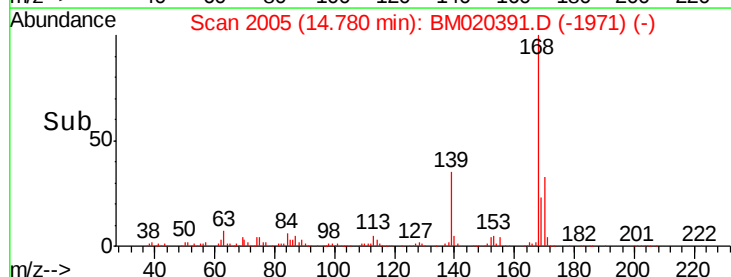
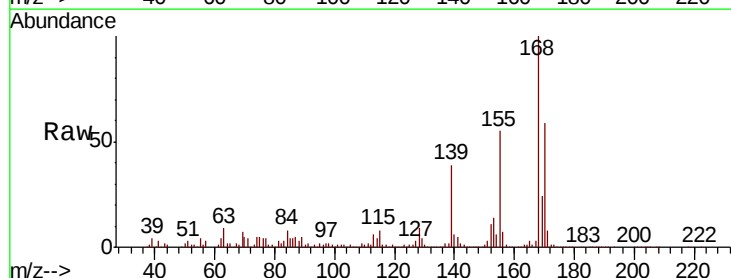
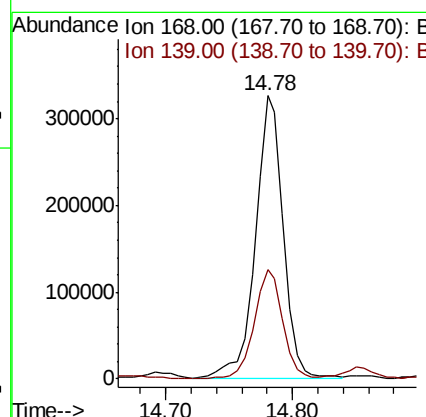
RT: 14.78 min Scan# 2005

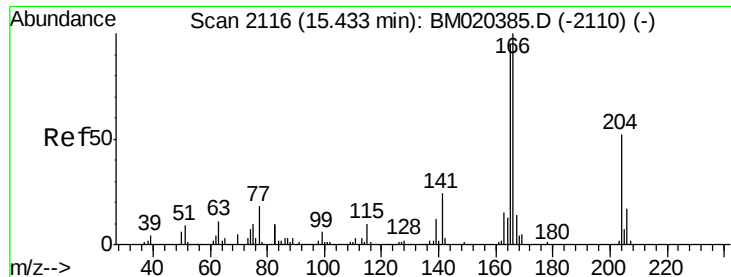
Delta R.T. -0.00 min

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





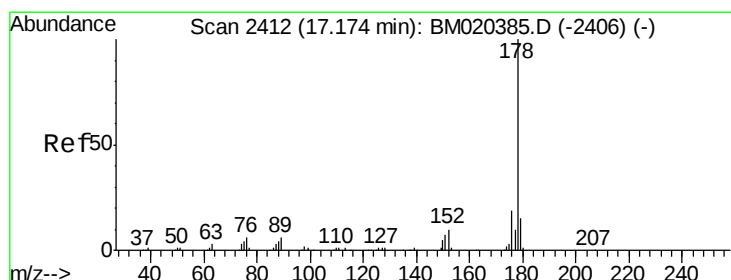
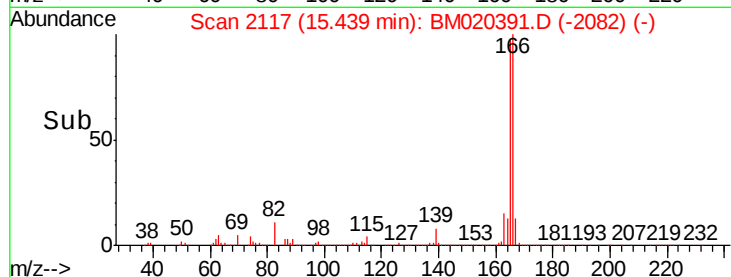
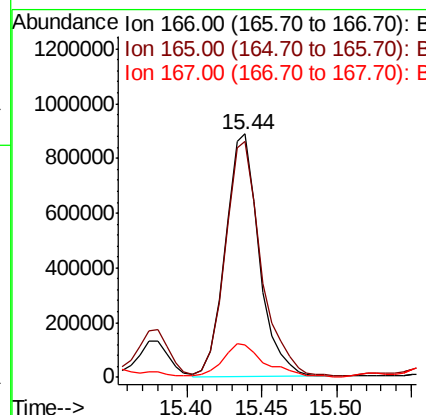
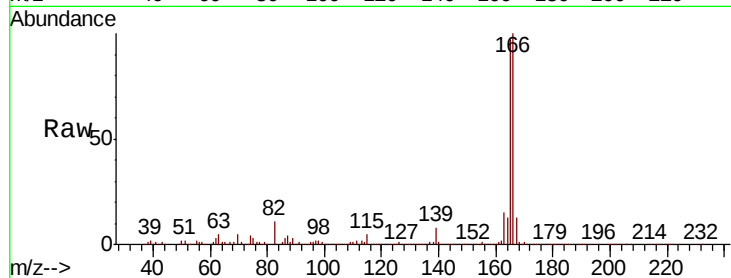
#58
Fluorene
Concen: 92.919 ng/ul
RT: 15.44 min Scan# 2117
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampleId :
GAJ78

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.2	77.1	115.7	
167	13.5	11.1	16.7	

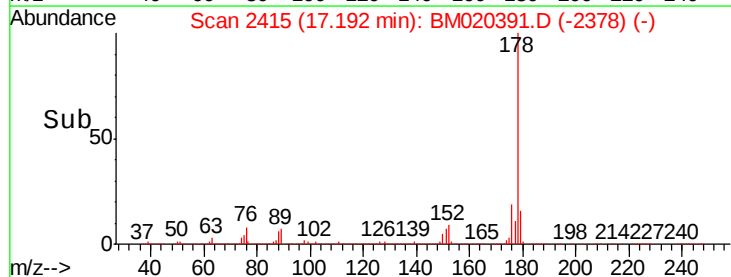
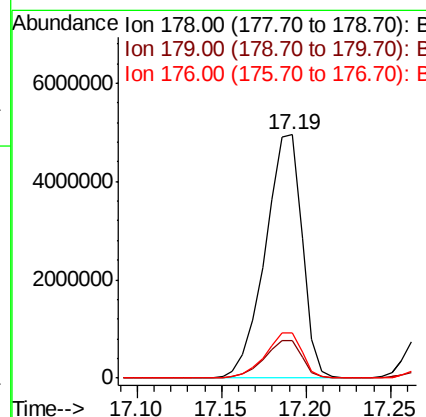
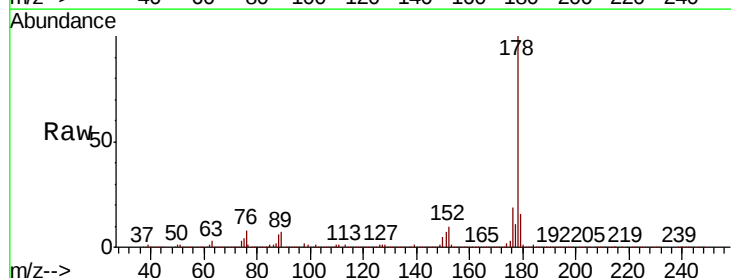
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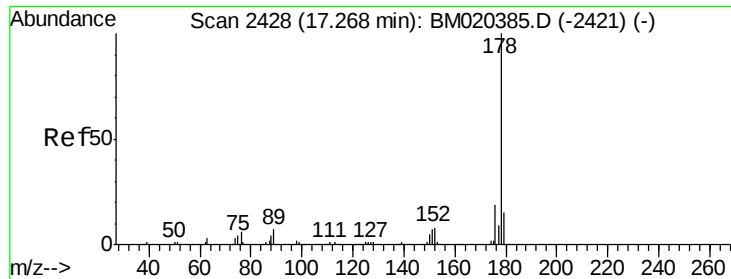
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#69
Phenanthrene
Concen: 330.806 ng/ul
RT: 17.19 min Scan# 2415
Delta R.T. 0.02 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

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





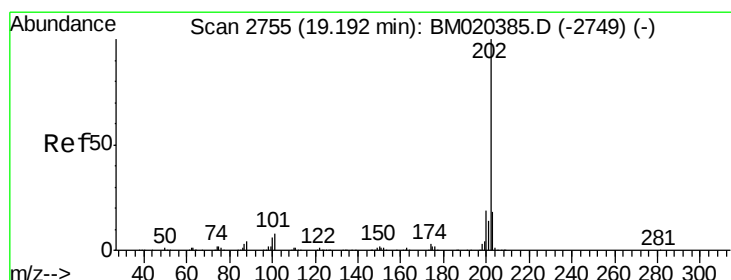
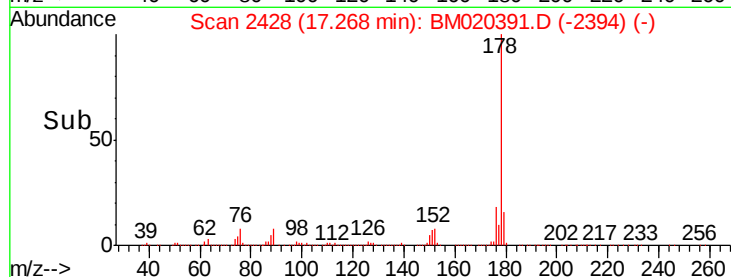
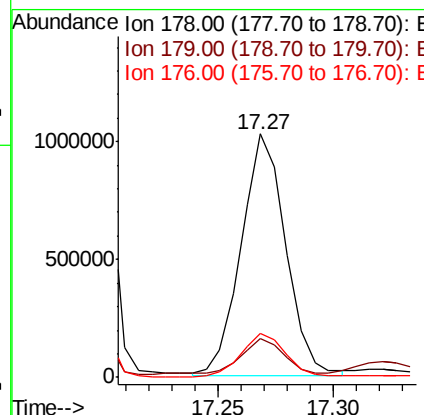
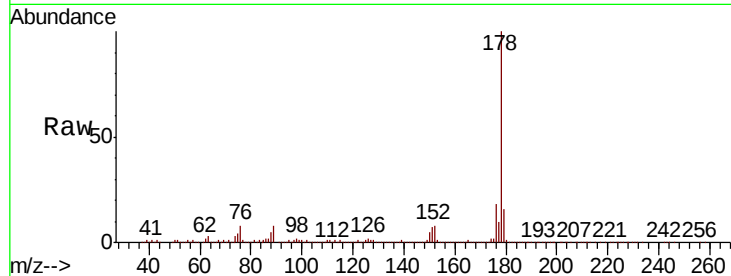
#71
 Anthracene
 Concen: 59.723 ng/ul
 RT: 17.27 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

Instrument :
 BNA_M
 ClientSampleId :
 GAJ78

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

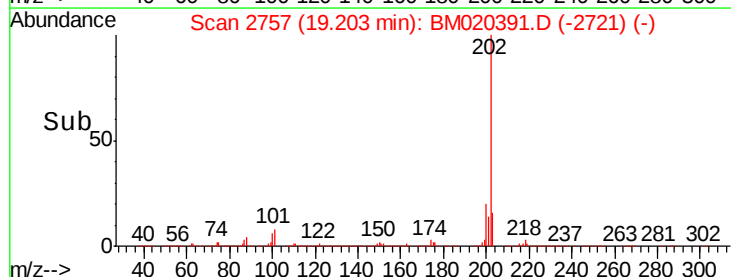
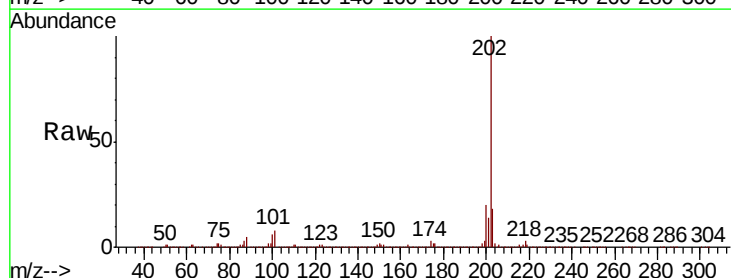
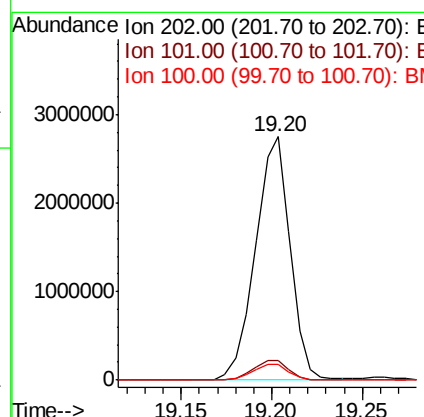
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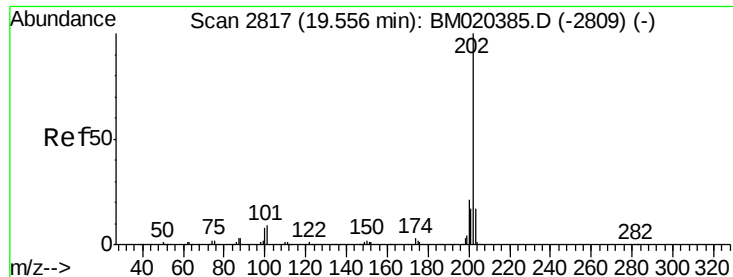
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#76
 Fluoranthene
 Concen: 126.455 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BM020391.D
 Acq: 18 May 2019 08:10

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





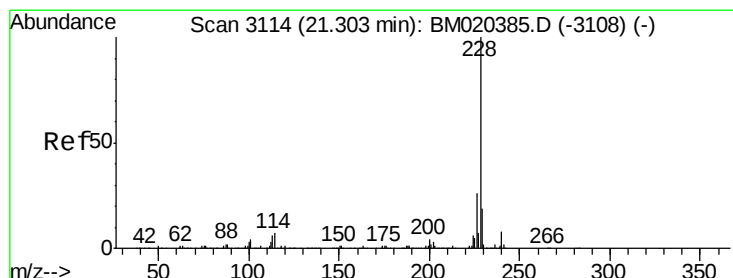
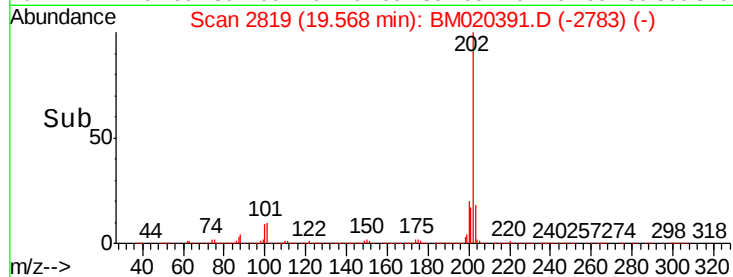
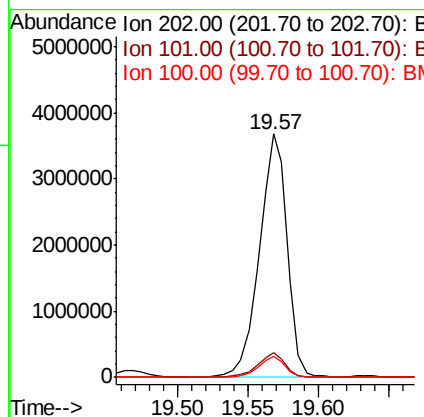
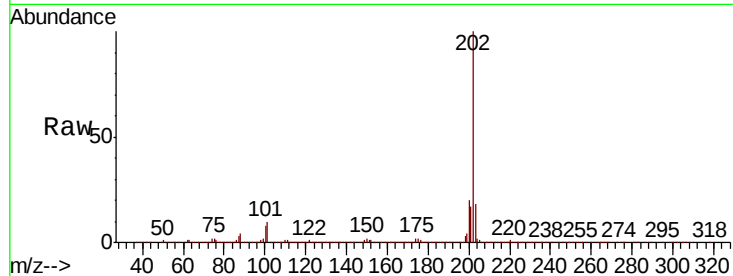
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Pvrene
Concen: 196.792 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampleId :
GAJ78

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

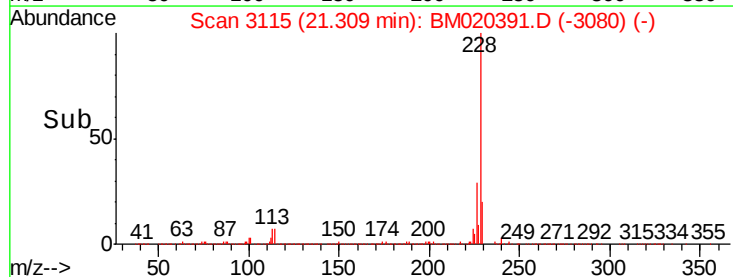
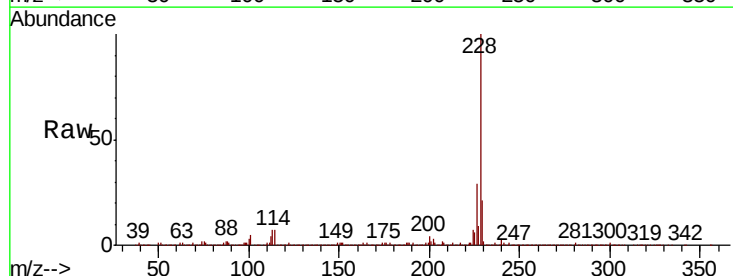
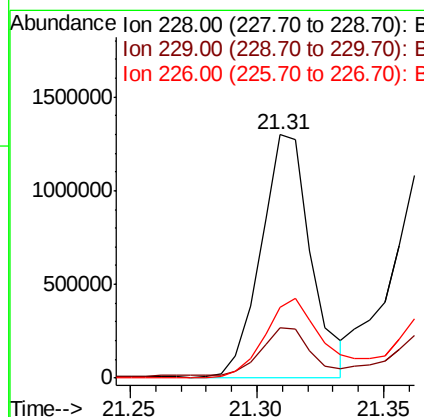
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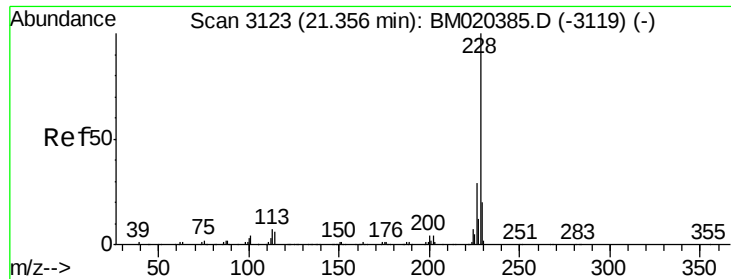
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#82
Benzo(a)anthracene
Concen: 69.114 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

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 :

GAJ78

Tot Ion:228 Resp: 1585615

Ion Ratio Lower Upper

228 100

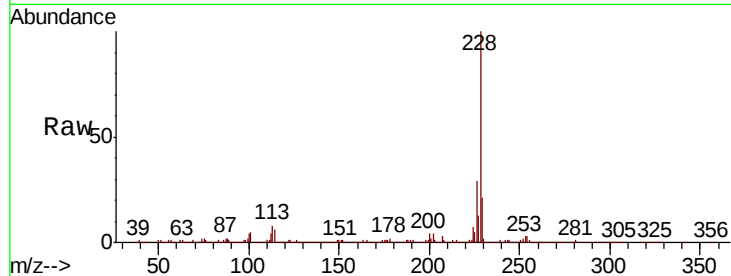
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229 20.7 15.4 23.2

Manual Integrations
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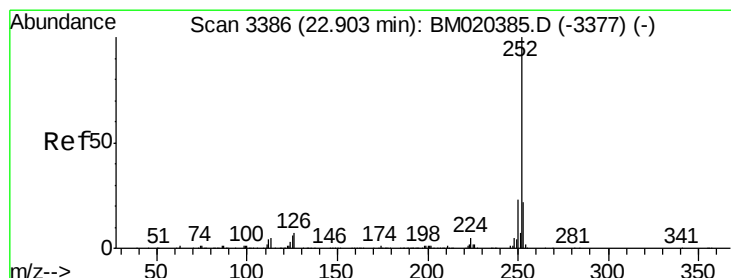
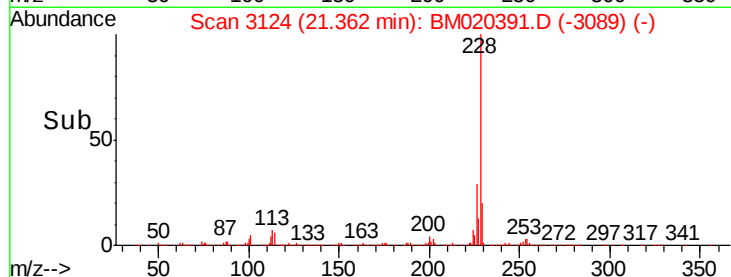
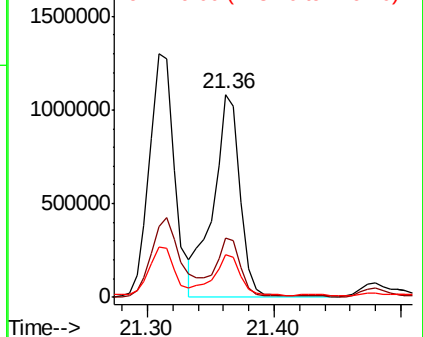


Abundance

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

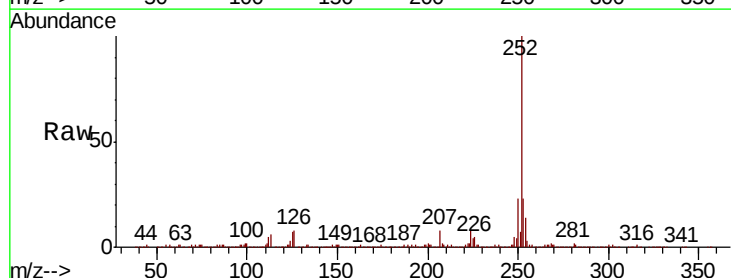
Tgt Ion:252 Resp: 1574468

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 6.8 5.0 7.4

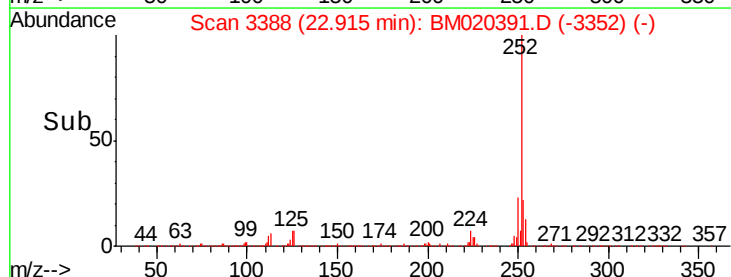
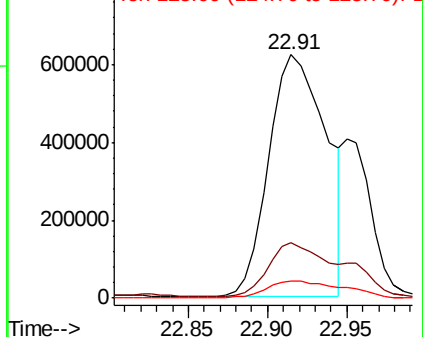


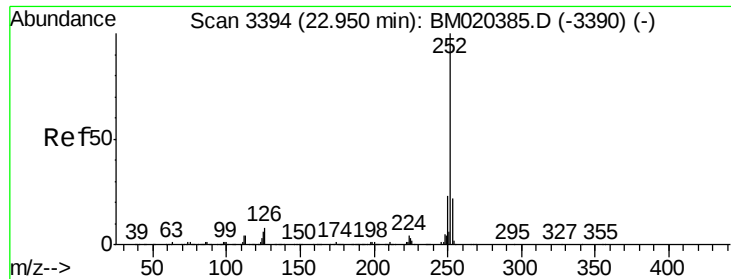
Abundance

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





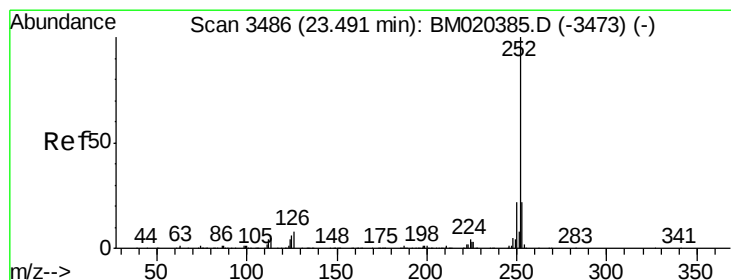
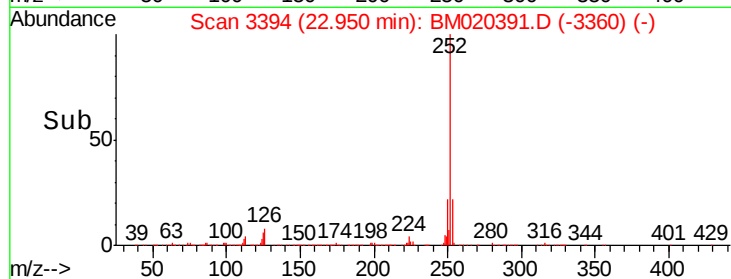
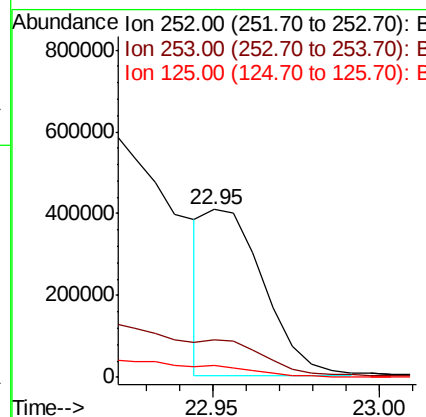
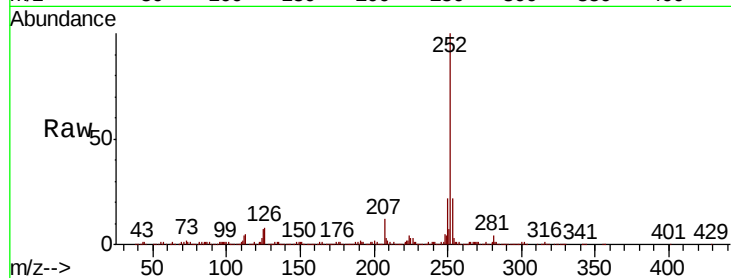
#88
Benzo(k)fluoranthene
Concen: 18.021 ng/ul m
RT: 22.95 min Scan# 3394
Delta R.T. -0.00 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	6.8	5.0	7.6

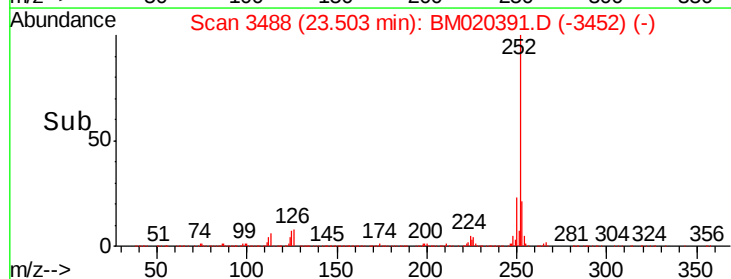
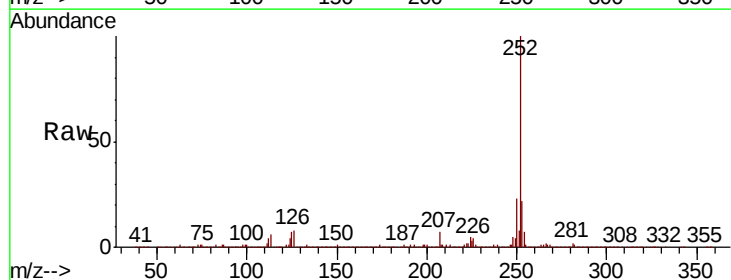
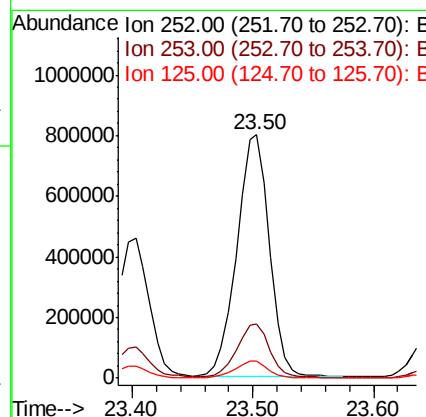
Manual Integrations
APPROVED

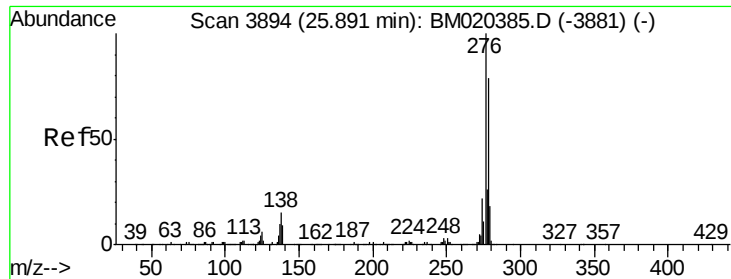
mohammad
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#90
Benzo(a)pyrene
Concen: 57.035 ng/ul
RT: 23.50 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	6.8	5.4	8.2





#91

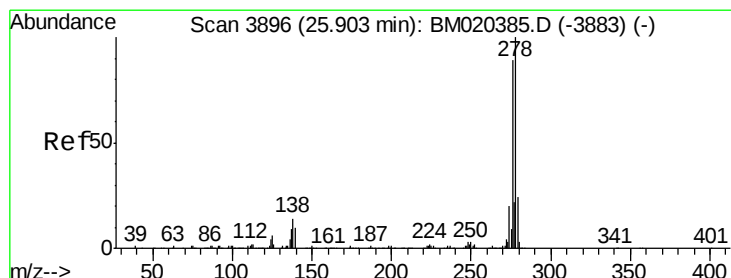
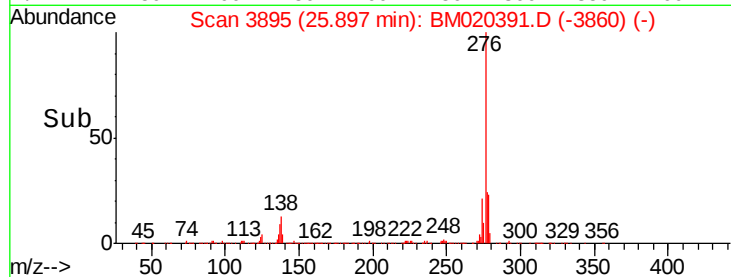
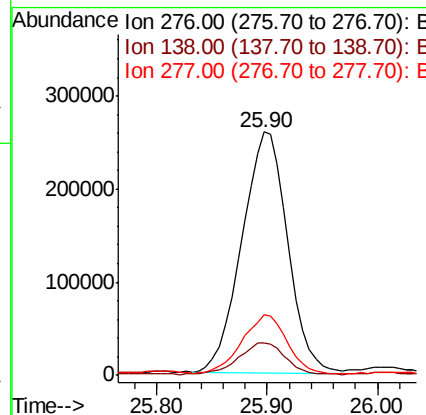
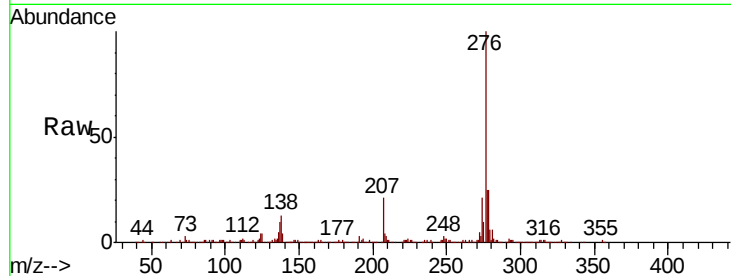
Indeno(1,2,3-cd)pyrene
Concen: 25.242 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Instrument :
BNA_M
ClientSampleId :
GAJ78

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

Manual Integrations
APPROVED

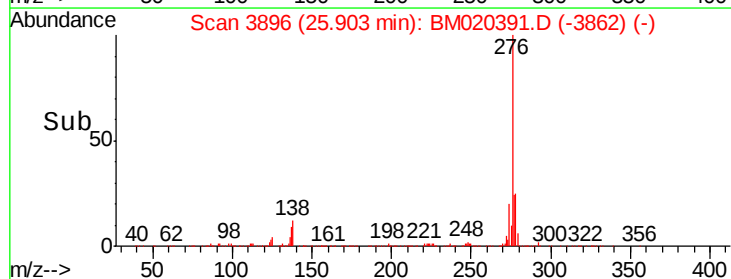
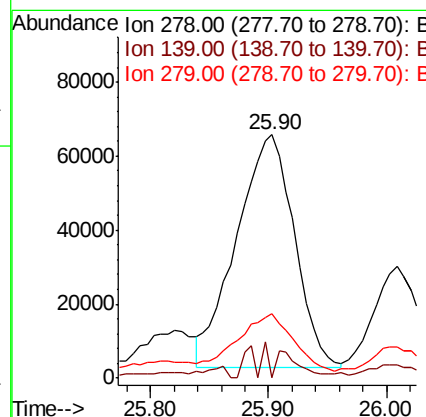
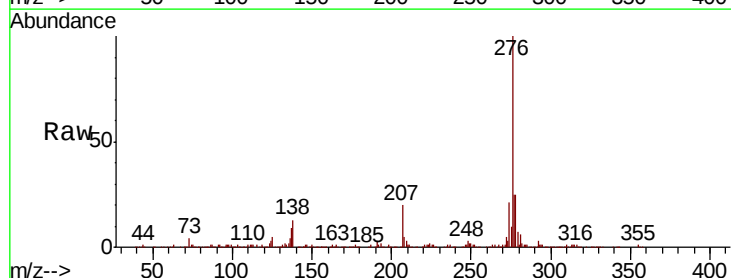
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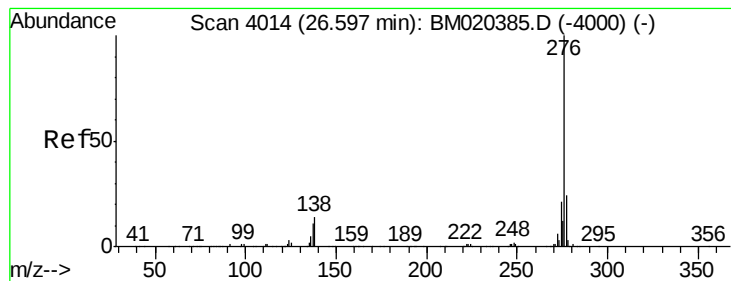


#92

Dibenzo(a,h)anthracene
Concen: 8.399 ng/ul m
RT: 25.90 min Scan# 3896
Delta R.T. -0.00 min
Lab File: BM020391.D
Acq: 18 May 2019 08:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.1	12.1#
279	26.4	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 :

GAJ78

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

Manual Integrations
APPROVED

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