

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020430.D
 Acq On : 20 May 2019 15:22
 Operator : JU/SJ
 Sample : K2633-13ME
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJA5ME

Manual Integrations
 APPROVED

Sohil
 5/21/2019 8:27:59 AM

Quant Time: May 21 04:03:24 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	68893	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	259546	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	148048	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	340544	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	349446	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	404313	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	6493	3.48	ng/uL	0.00
5) Phenol-d5	6.90	99	92307	16.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	63052	18.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	74929	18.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	69928	17.47	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	33975	20.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	36456	19.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	73629	18.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	78021	19.18	ng/ul	0.01
43) Dimethylphthalate-d6	13.80	166	225651	21.18	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	264274	19.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	17264	11.16	ng/ul	0.02
57) Fluorene-d10	15.39	176	196024	20.69	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.53	200	8753	4.51	ng/ul	0.02
70) Anthracene-d10	17.25	188	299989	20.54	ng/ul	0.01
78) Pyrene-d10	19.54	212	337272	20.04	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.48	264	348591	18.97	ng/ul	0.04

Target Compounds

					Qvalue
28) Naphthalene	10.59	128	6789976	569.405	ng/ul 100
34) 2-Methylnaphthalene	12.20	142	1376820	159.465	ng/ul 96
40) 1,1'-Biphenyl	13.22	154	279150	26.338	ng/ul 99
44) Dimethylphthalate	13.85	163	65648	6.230	ng/ul 99
47) Acenaphthylene	14.11	152	349030	27.780	ng/ul 98
49) Acenaphthene	14.45	153	75984	8.797	ng/ul 97
53) Dibenzofuran	14.79	168	97374	7.444	ng/ul 97
58) Fluorene	15.45	166	549477	52.439	ng/ul 100
69) Phenanthrene	17.19	178	3095118	190.750	ng/ul 100
71) Anthracene	17.28	178	718818	43.550	ng/ul 99
74) Carbazole	17.56	167	27024	1.929	ng/ul# 93
76) Fluoranthene	19.21	202	1350698	65.898	ng/ul 100
79) Pyrene	19.57	202	1798595	85.752	ng/ul 96
82) Benzo(a)anthracene	21.33	228	675425m	32.114	ng/ul
84) Chrysene	21.38	228	583296	29.020	ng/ul 97
87) Benzo(b)fluoranthene	22.94	252	492161	21.329	ng/ul 98
88) Benzo(k)fluoranthene	22.97	252	138456m	6.109	ng/ul
90) Benzo(a)pyrene	23.53	252	510386	23.503	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.94	276	224469	9.072	ng/ul 98
92) Dibenz(a,h)anthracene	25.94	278	65459	3.093	ng/ul# 92
93) Benzo(g,h,i)perylene	26.66	276	171306	8.363	ng/ul 97

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Quant Time: May 21 04:03:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

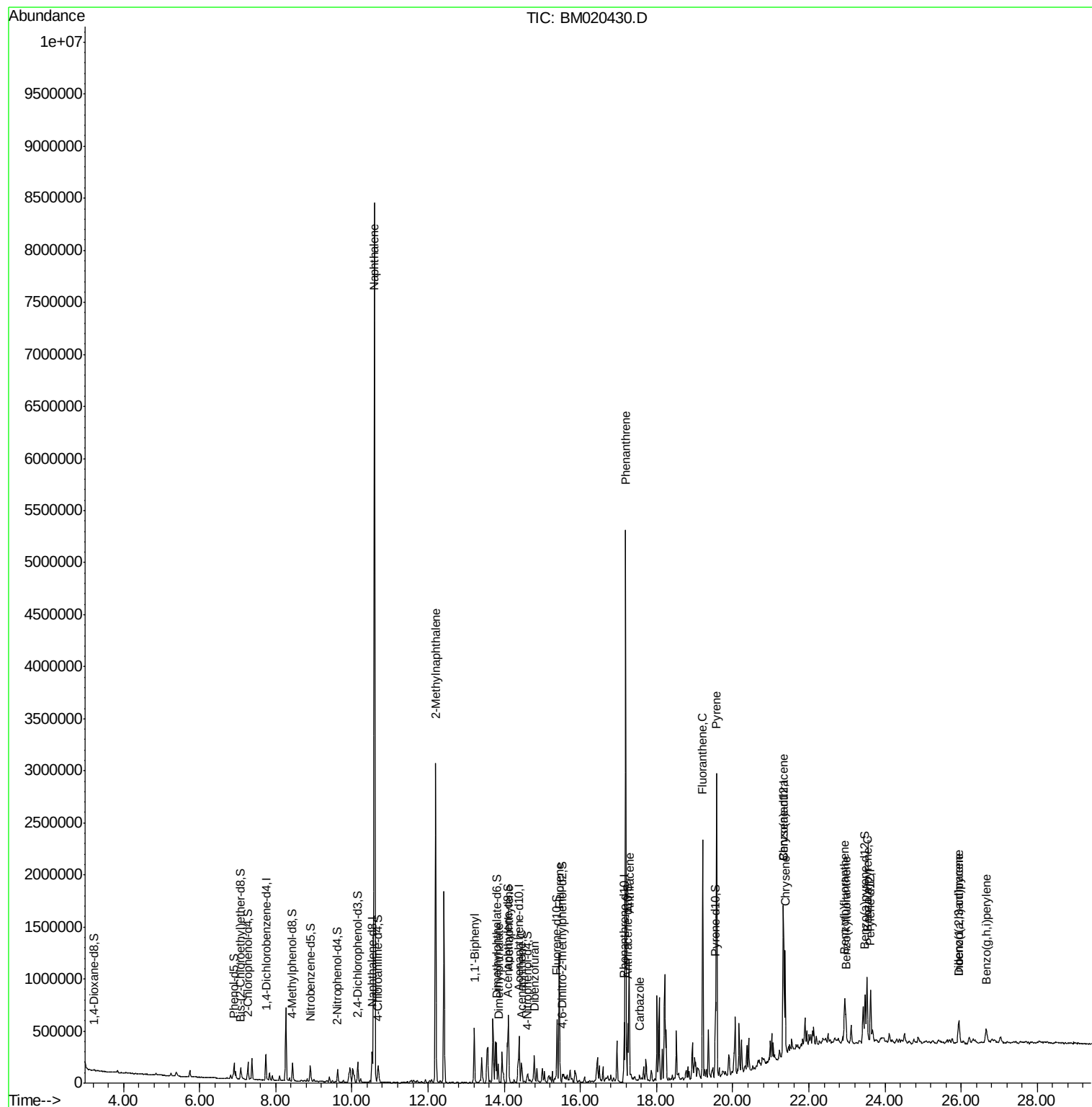
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
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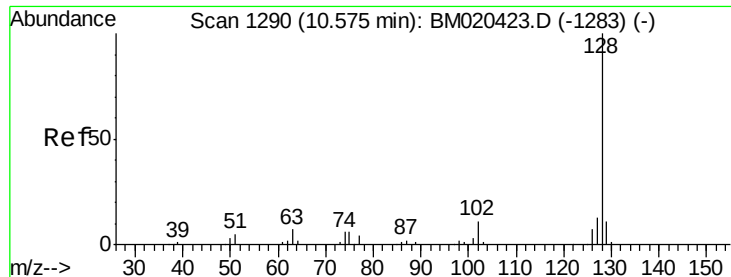
Instrument :
BNA_M
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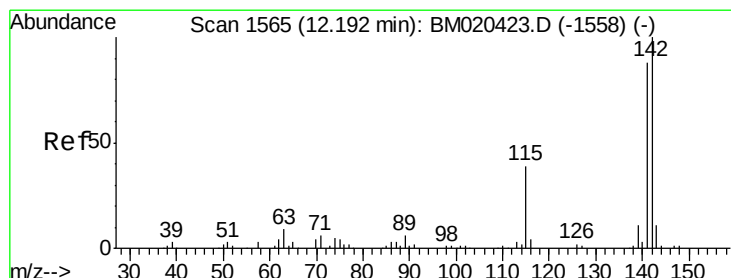
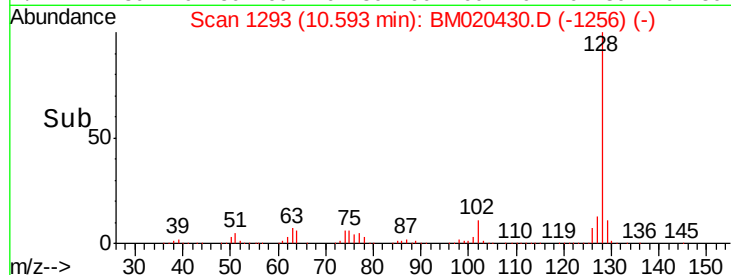
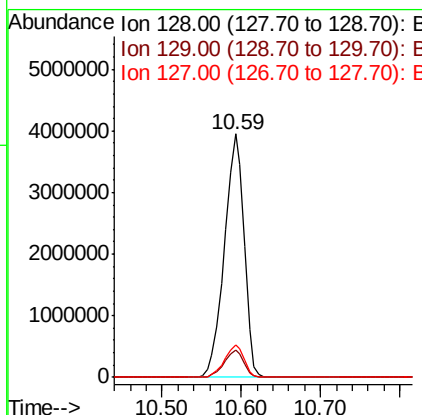
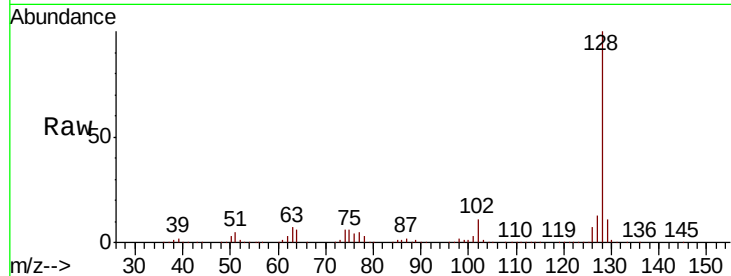
#28
Naphthalene
Concen: 569.405 ng/ul
RT: 10.59 min Scan# 1293
Delta R.T. 0.02 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

Instrument :
BNA_M
ClientSampled :
GAJA5ME

Tgt Ion:128 Resp: 6789976
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.2 10.6 15.8

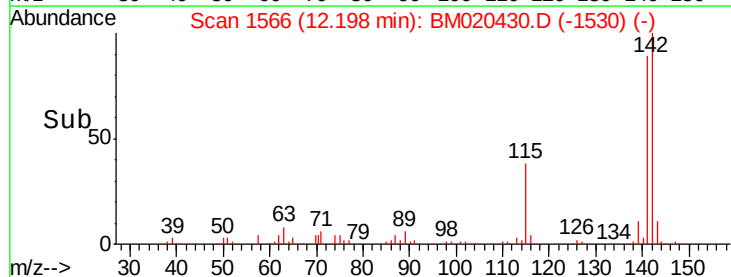
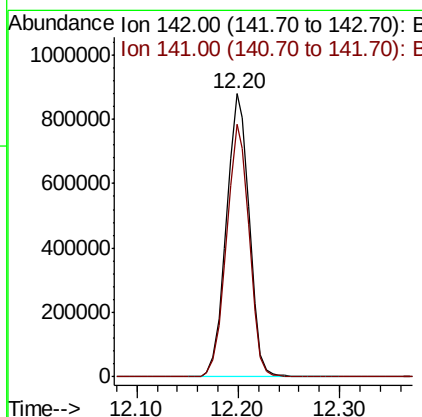
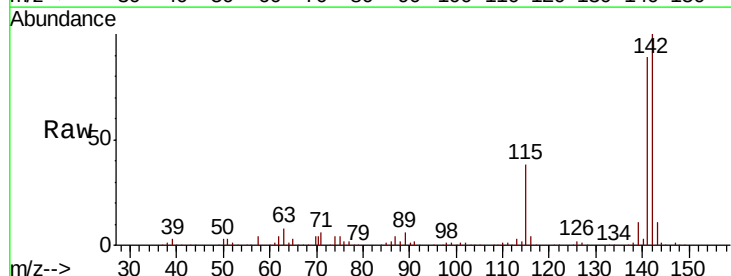
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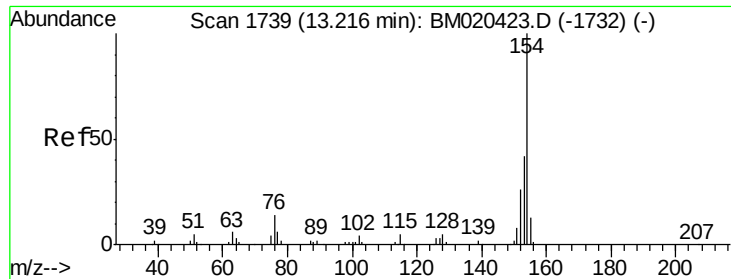
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#34
2-Methylnaphthalene
Concen: 159.465 ng/ul
RT: 12.20 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

Tgt Ion:142 Resp: 1376820
Ion Ratio Lower Upper
142 100
141 89.1 68.6 102.8





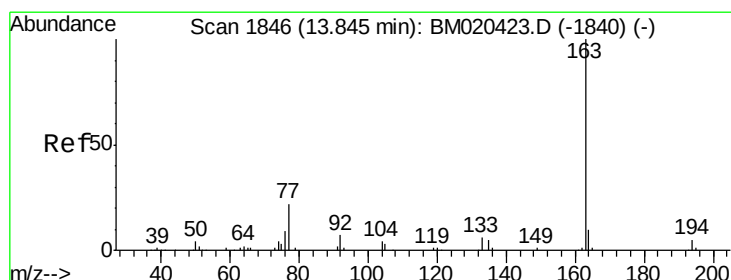
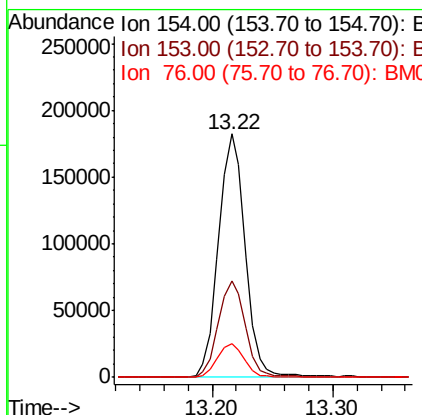
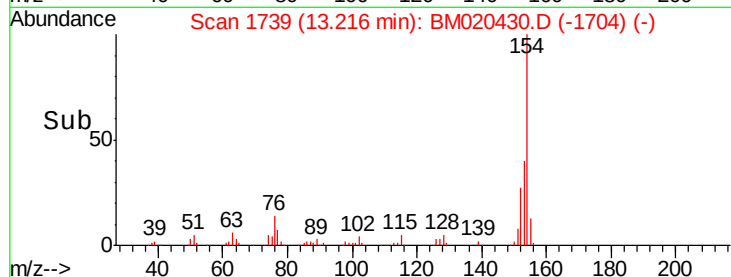
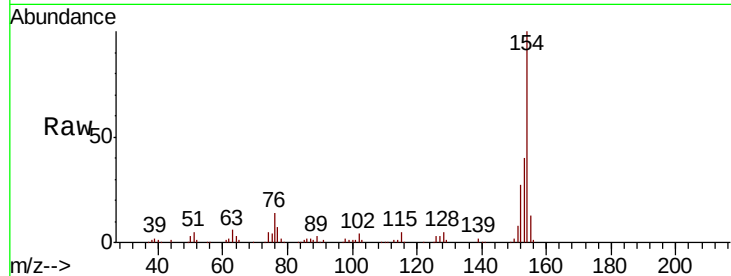
#40
 1,1'-Biphenyl
 Concen: 26.338 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020430.D
 Acq: 20 May 2019 15:22

Instrument :
 BNA_M
 ClientSampleID :
 GAJA5ME

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	279150		
153	39.8	32.2	48.4	
76	13.8	11.0	16.4	

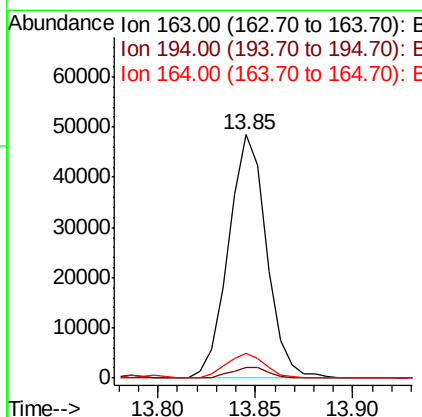
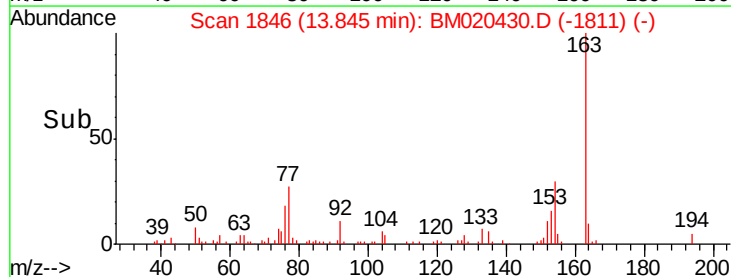
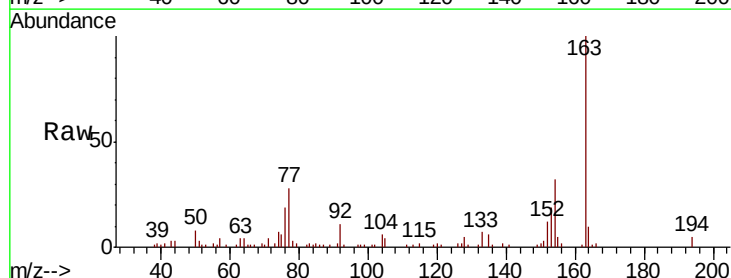
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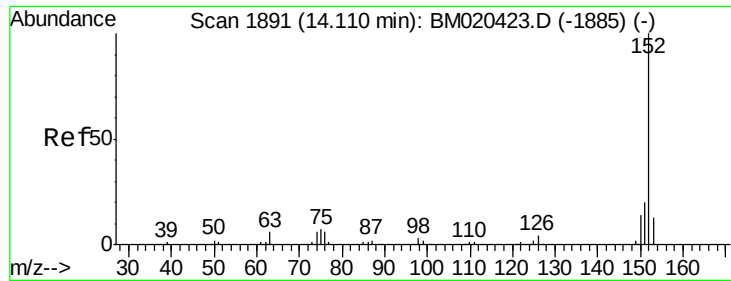
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#44
 Dimethylphthalate
 Concen: 6.230 ng/ul
 RT: 13.85 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BM020430.D
 Acq: 20 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	65648		
194	4.6	3.3	4.9	
164	10.3	8.0	12.0	





#47

Acenaphthylene

Concen: 27.780 ng/ul

RT: 14.11 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

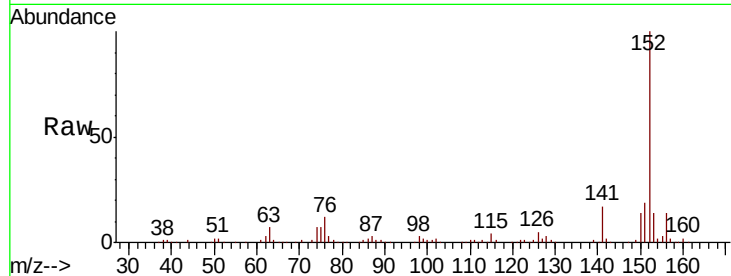
ClientSampleId :

GAJA5ME

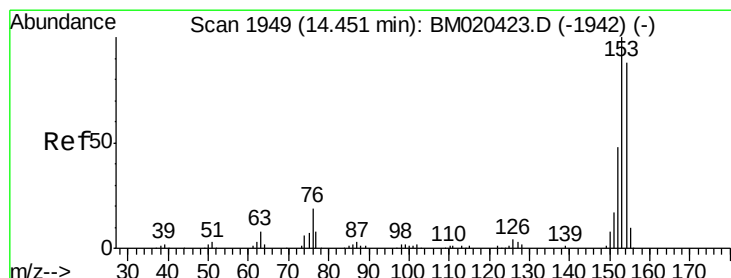
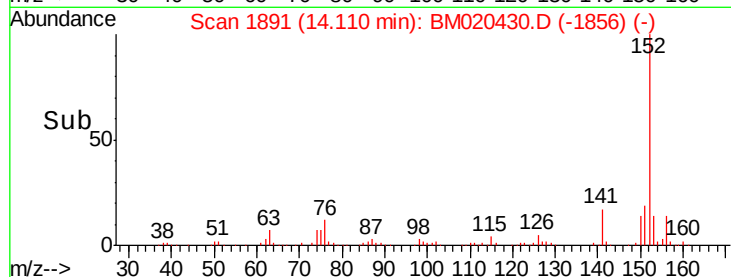
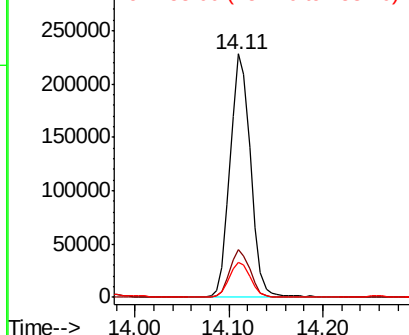
Tgt Ion:	152	Resp:	349030
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.4	23.0
153	14.2	10.3	15.5

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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: 8.797 ng/ul

RT: 14.45 min Scan# 1949

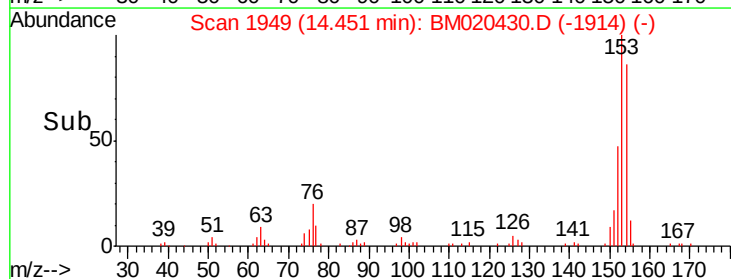
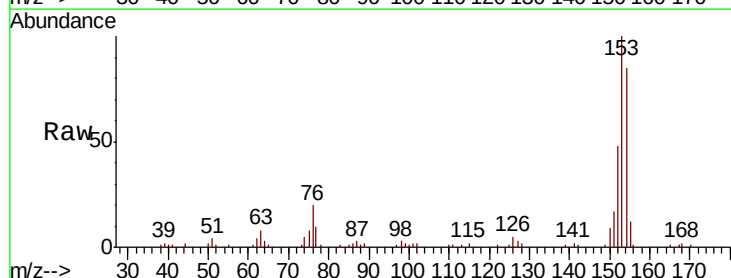
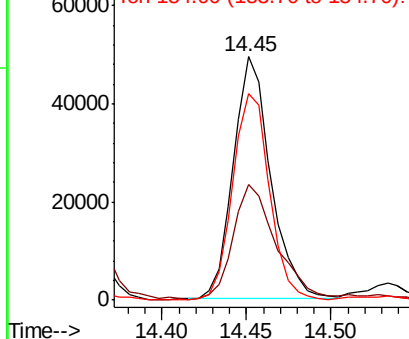
Delta R.T. 0.01 min

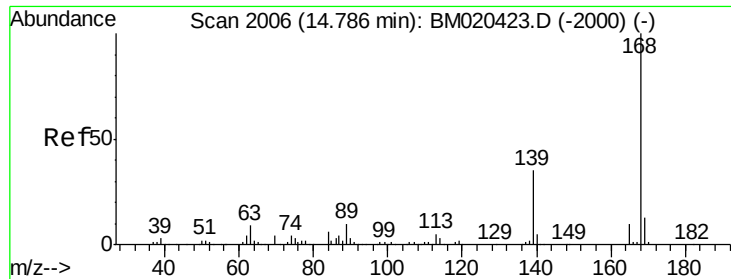
Lab File: BM020430.D

Acq: 20 May 2019 15:22

Tgt Ion:	153	Resp:	75984
Ion Ratio	Lower	Upper	
153	100		
152	47.7	37.9	56.9
154	84.8	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





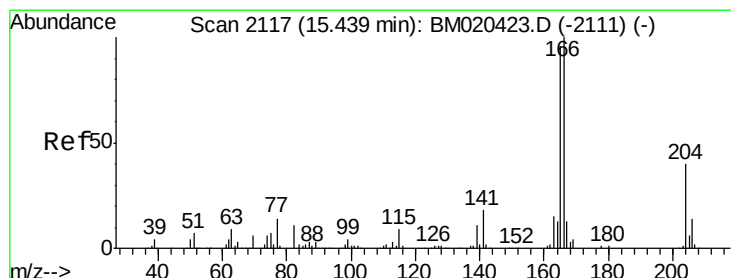
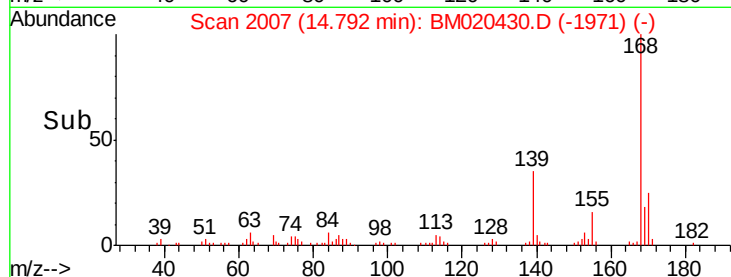
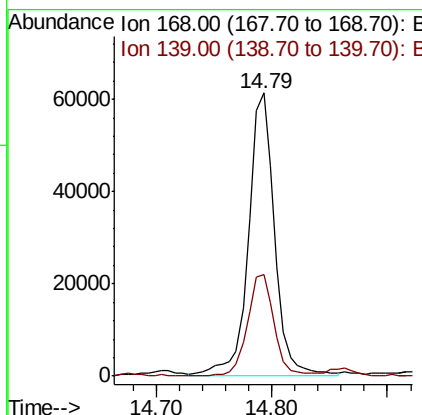
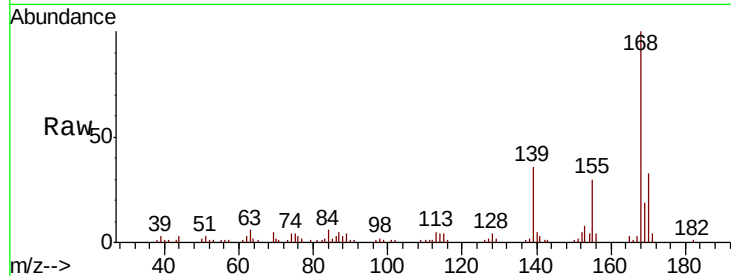
#53
Dibenzenofuran
Concen: 7.444 ng/ul
RT: 14.79 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

Instrument :
BNA_M
ClientSampleId :
GAJA5ME

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.7	30.1	45.1

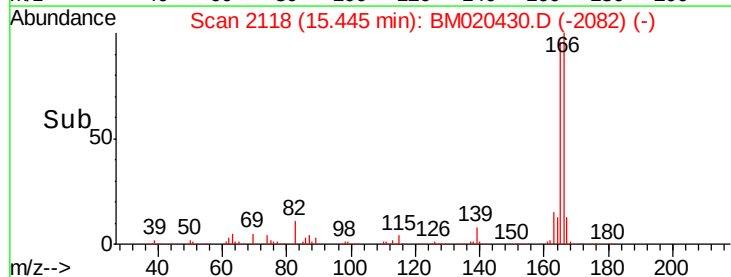
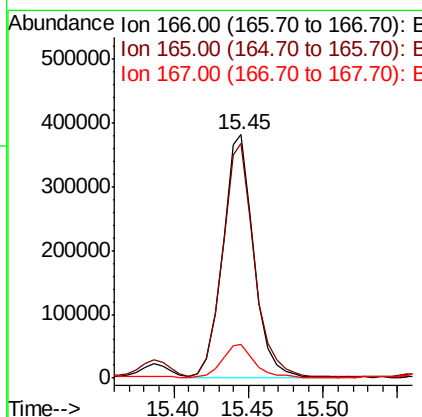
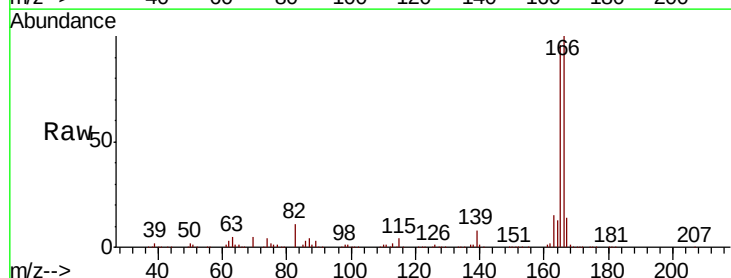
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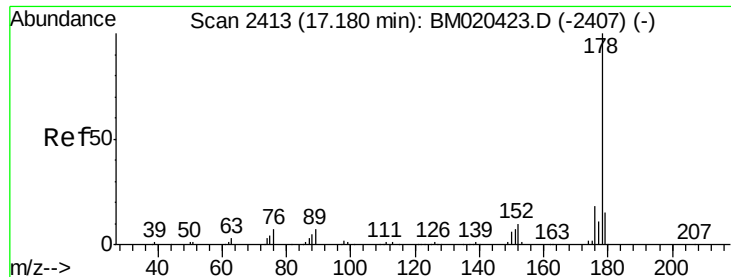
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#58
Fluorene
Concen: 52.439 ng/ul
RT: 15.45 min Scan# 2118
Delta R.T. 0.01 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.1	115.7
167	13.6	11.1	16.7





#69

Phenanthrene

Concen: 190.750 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

ClientSampleId :

GAJA5ME

Tgt Ion:178 Resp: 3095118

Ion Ratio Lower Upper

178 100

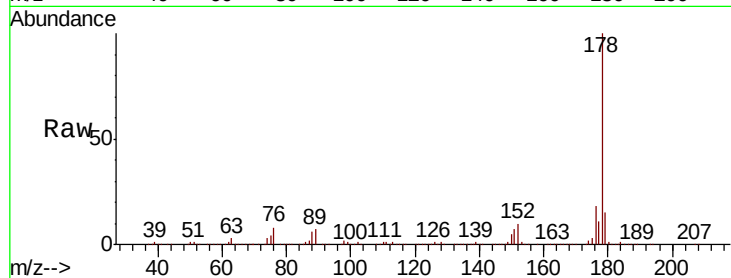
179 15.3 11.9 17.9

176 18.3 14.6 22.0

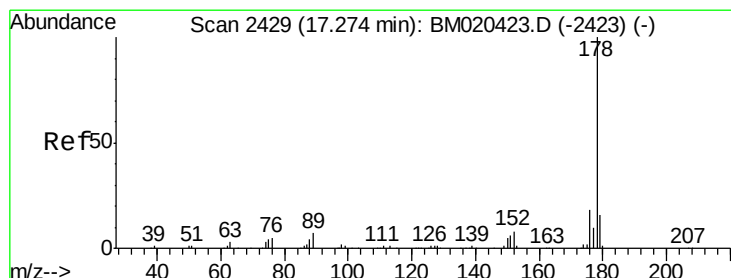
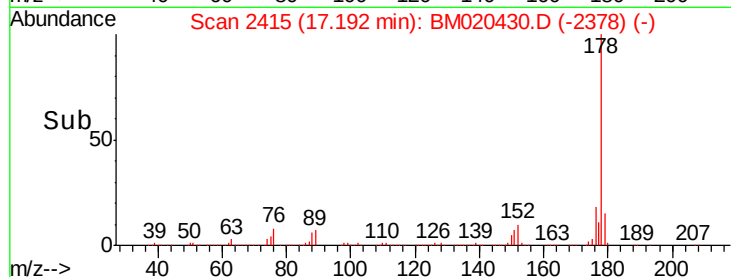
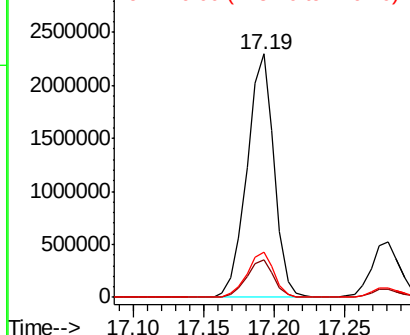
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 43.550 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Tgt Ion:178 Resp: 718818

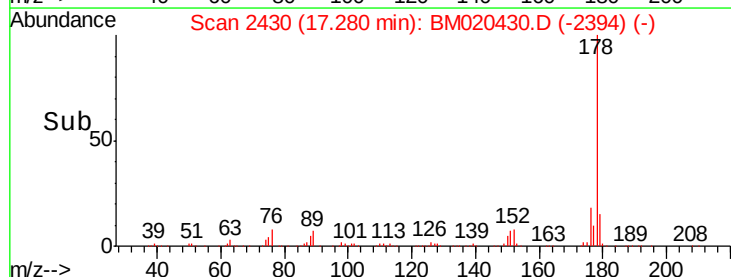
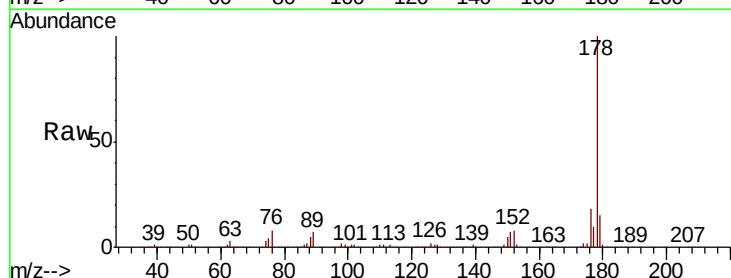
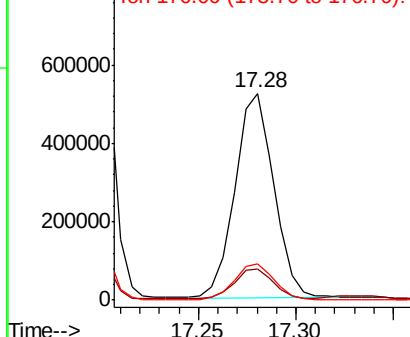
Ion Ratio Lower Upper

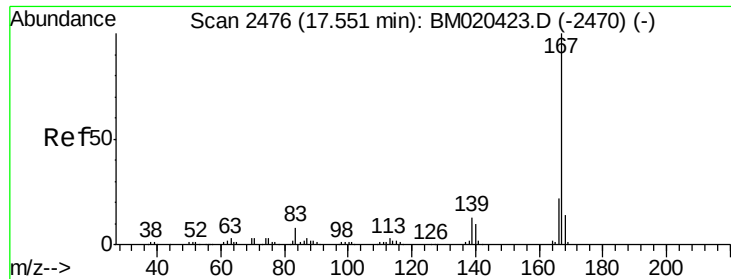
178 100

179 15.2 12.4 18.6

176 17.5 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





#74

Carbazole

Concen: 1.929 ng/ul

RT: 17.56 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

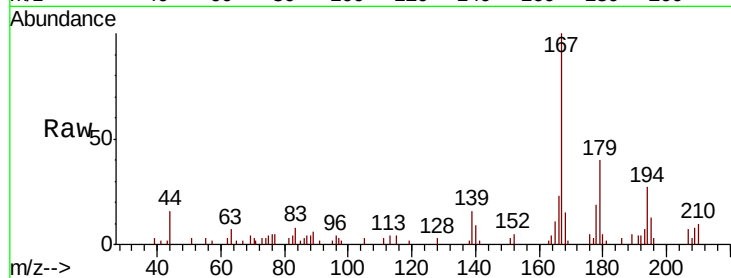
ClientSampleId :

GAJA5ME

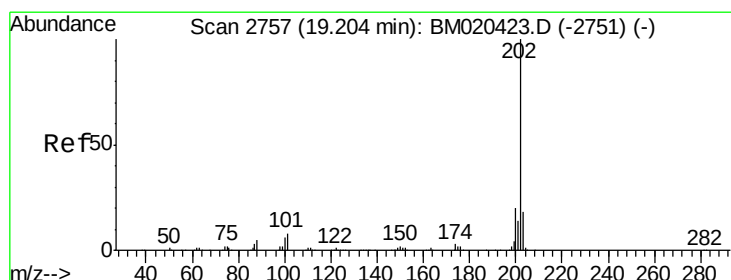
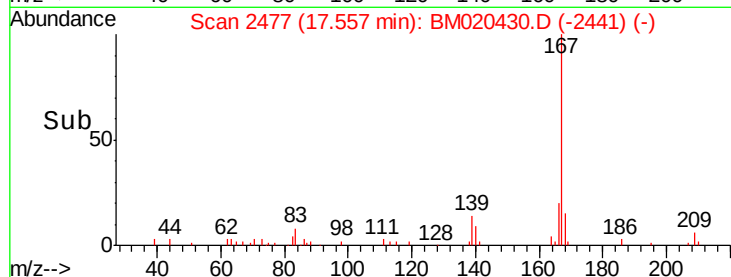
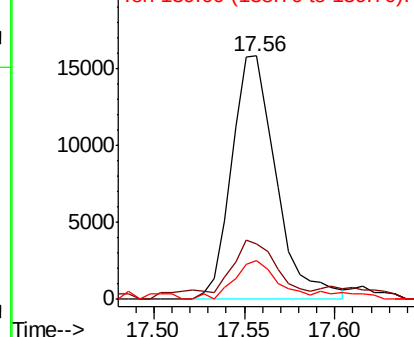
Tgt Ion:	167	Resp:	27024
Ion Ratio	Lower	Upper	
167	100		
166	23.0	16.6	24.8
139	16.0	9.8	14.8#

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 65.898 ng/ul

RT: 19.21 min Scan# 2758

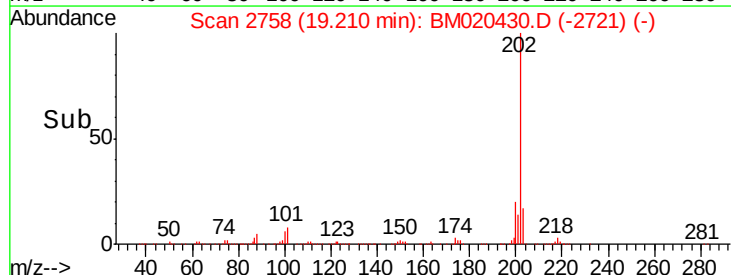
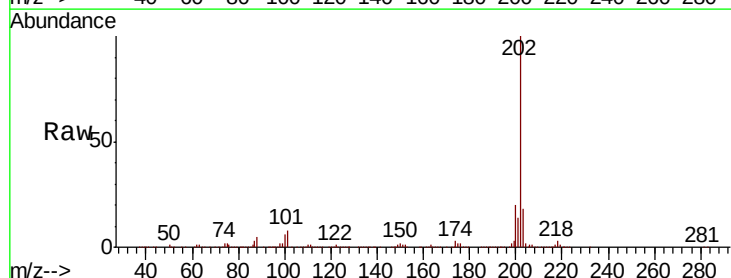
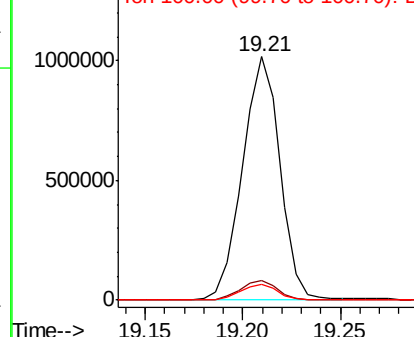
Delta R.T. 0.02 min

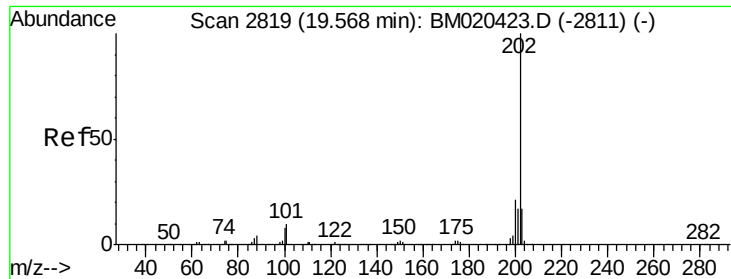
Lab File: BM020430.D

Acq: 20 May 2019 15:22

Tgt Ion:	202	Resp:	1350698
Ion Ratio	Lower	Upper	
202	100		
101	8.2	6.4	9.6
100	6.4	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





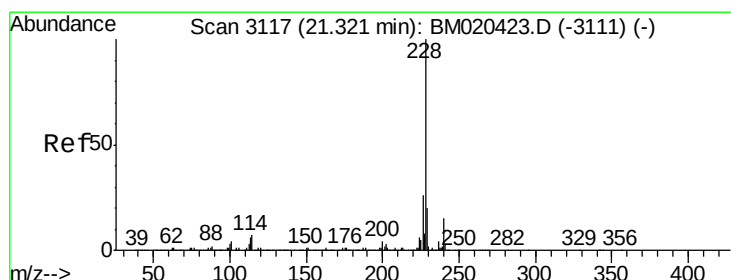
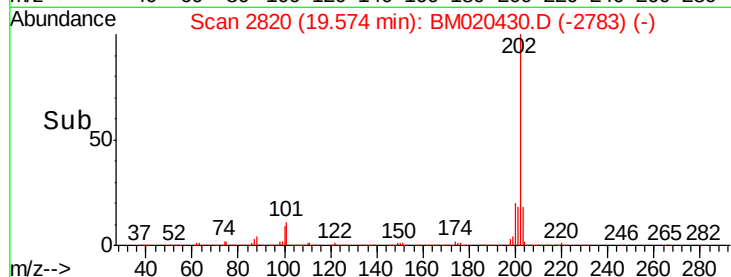
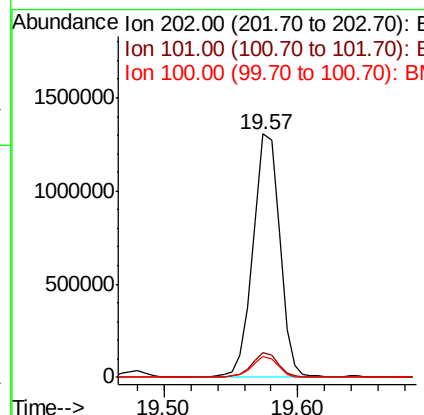
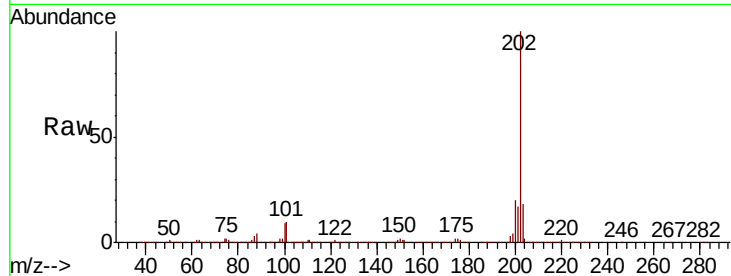
#79
 Pyrene
 Concen: 85.752 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020430.D
 Acq: 20 May 2019 15:22

Instrument :
 BNA_M
 ClientSampleId :
 GAJA5ME

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1798595		
101	10.4		7.1	10.7
100	8.5		5.9	8.9

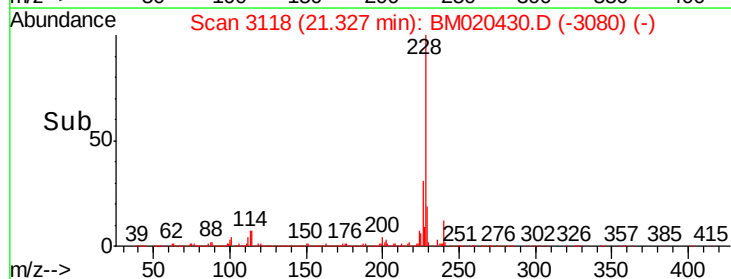
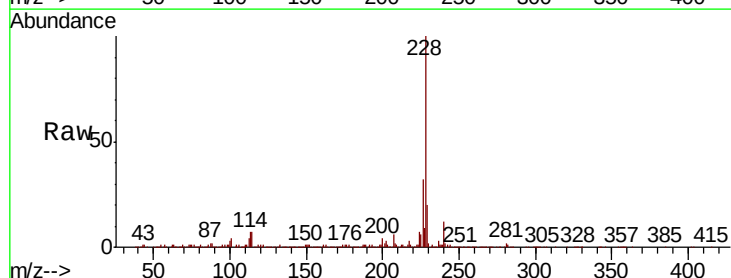
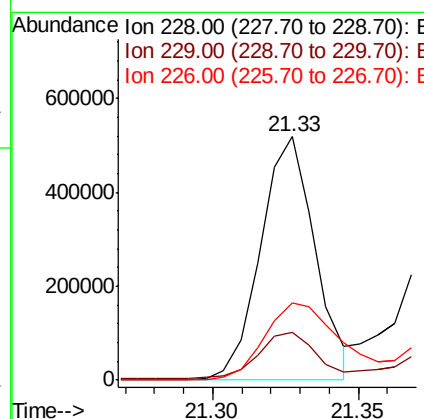
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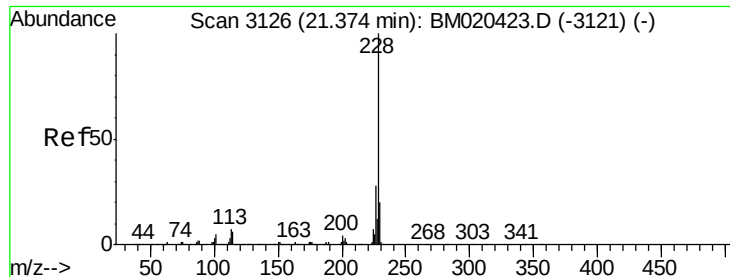
Sohil
 5/21/2019 8:27:59 AM



#82
 Benzo(a)anthracene
 Concen: 32.114 ng/ul m
 RT: 21.33 min Scan# 3118
 Delta R.T. 0.02 min
 Lab File: BM020430.D
 Acq: 20 May 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	675425		
229	19.8		15.8	23.8
226	31.8		20.6	30.8#





#84

Chrysene

Concen: 29.020 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

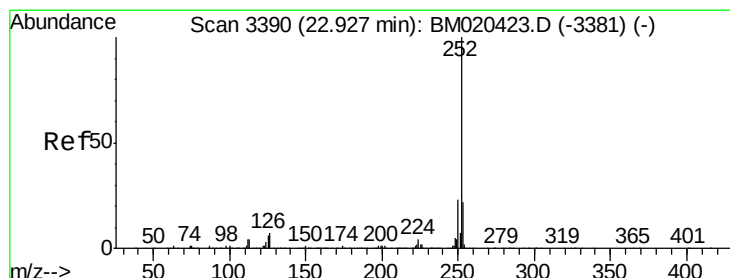
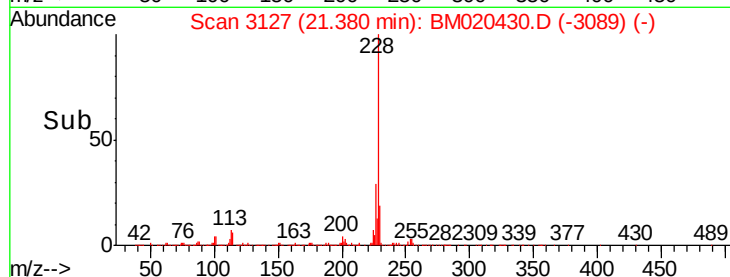
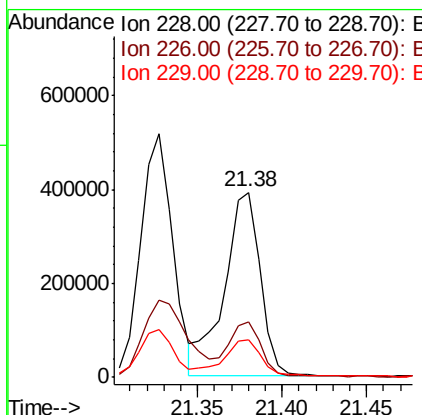
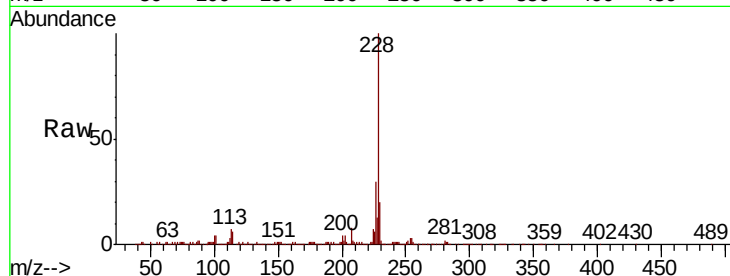
ClientSampleId :

GAJA5ME

Tgt Ion:	228	Resp:	583296
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.2	33.4
229	20.0	15.4	23.2

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#87

Benzo(b)fluoranthene

Concen: 21.329 ng/ul

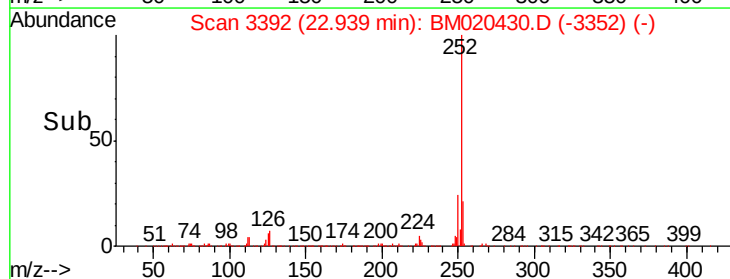
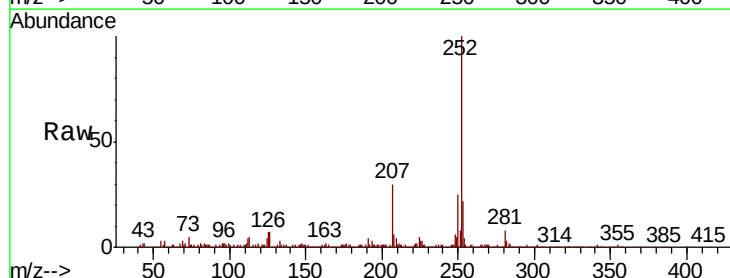
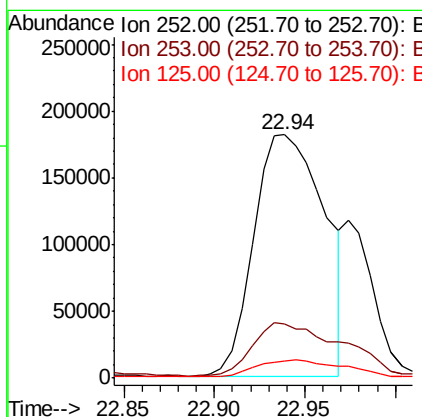
RT: 22.94 min Scan# 3392

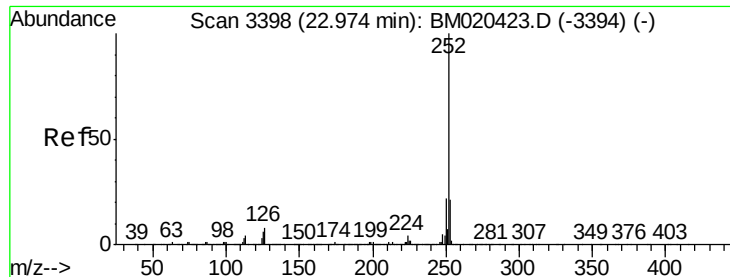
Delta R.T. 0.04 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Tgt Ion:	252	Resp:	492161
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.0	25.6
125	7.1	5.0	7.4





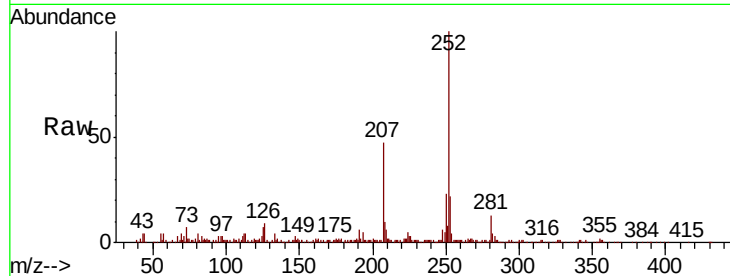
#88
Benzo(k)fluoranthene
Concen: 6.109 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.02 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

Instrument :
BNA_M
ClientSampleId :
GAJA5ME

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.3	5.0	7.6

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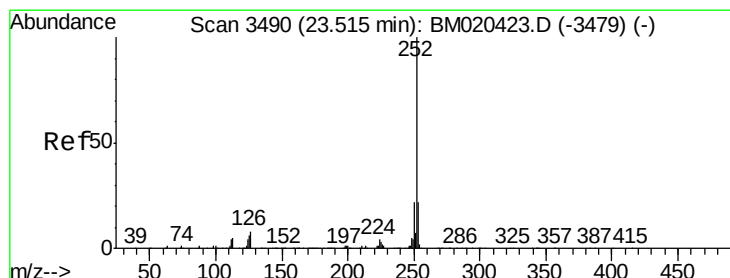
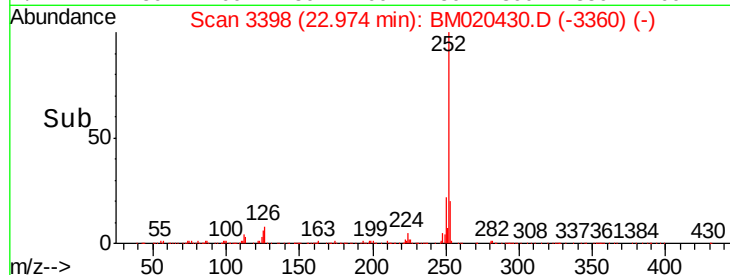
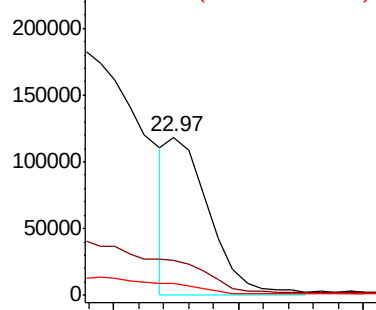


Abundance

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



#90
Benzo(a)pyrene
Concen: 23.503 ng/ul
RT: 23.53 min Scan# 3492
Delta R.T. 0.04 min
Lab File: BM020430.D
Acq: 20 May 2019 15:22

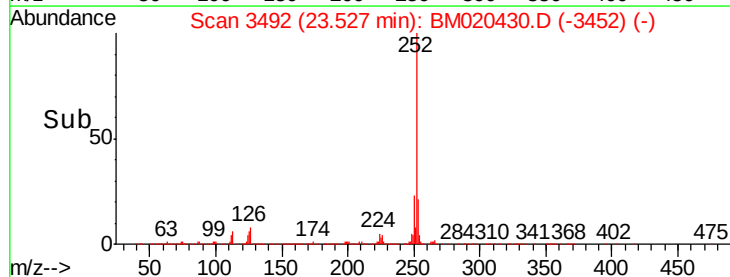
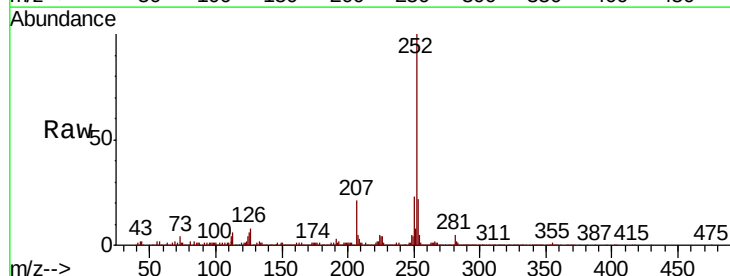
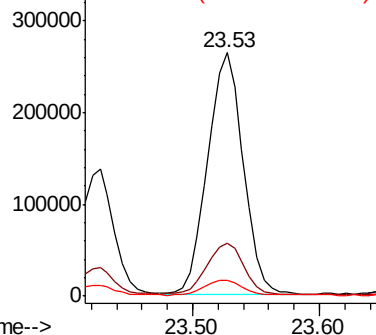
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	6.3	5.4	8.2

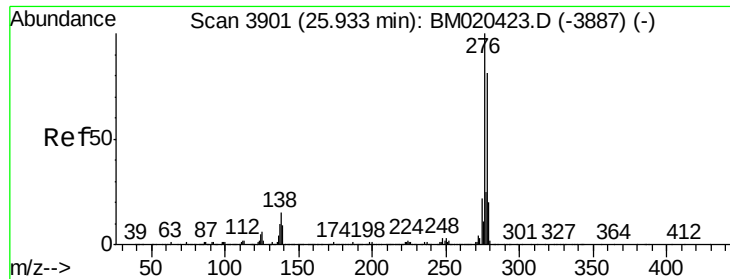
Abundance

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: 9.072 ng/ul

RT: 25.94 min Scan# 3902

Delta R.T. 0.05 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

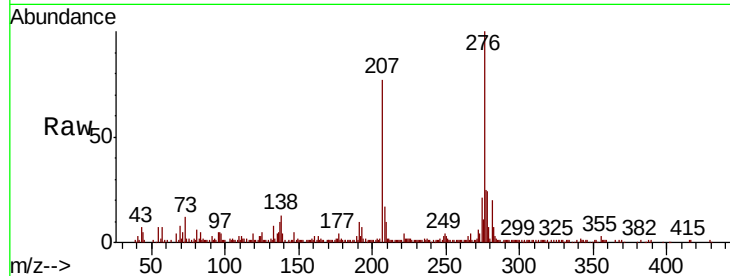
ClientSampleId :

GAJA5ME

Tgt Ion:	276	Resp:	224469
Ion Ratio	Lower	Upper	
276	100		
138	12.9	12.3	18.5
277	25.0	20.0	30.0

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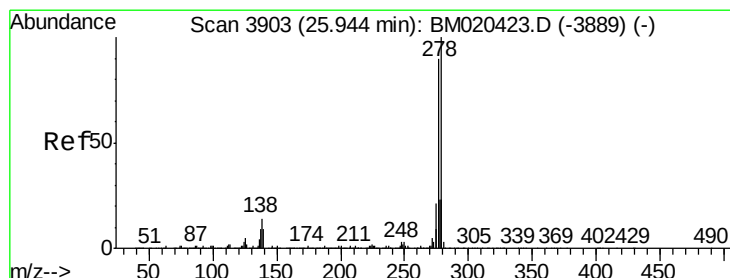
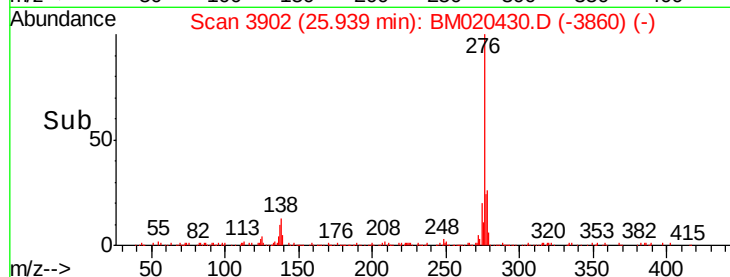
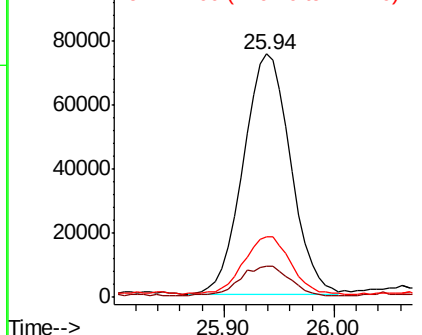


Abundance

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



#92

Dibenzo(a,h)anthracene

Concen: 3.093 ng/ul

RT: 25.94 min Scan# 3903

Delta R.T. 0.04 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

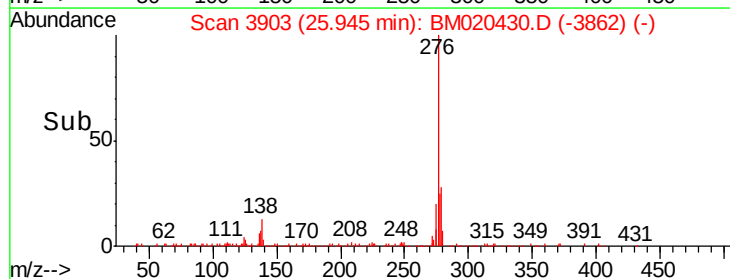
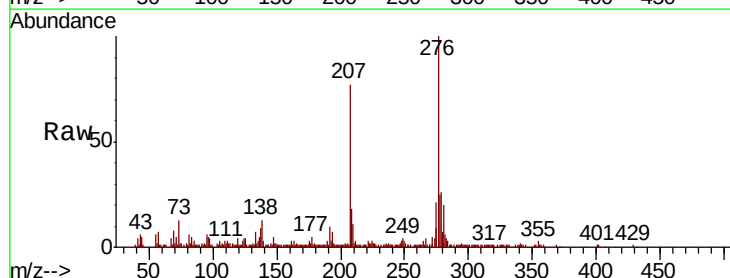
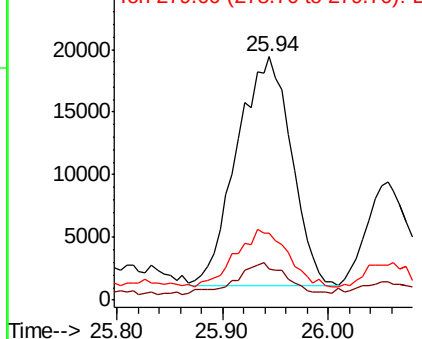
Tgt Ion:	278	Resp:	65459
Ion Ratio	Lower	Upper	
278	100		
139	12.8	8.1	12.1#
279	27.4	18.7	28.1

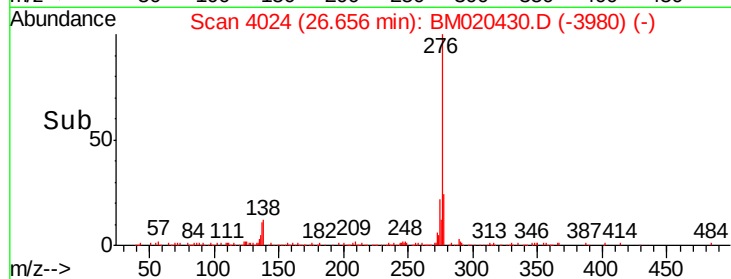
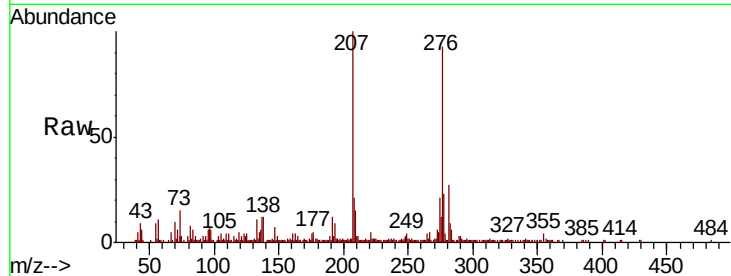
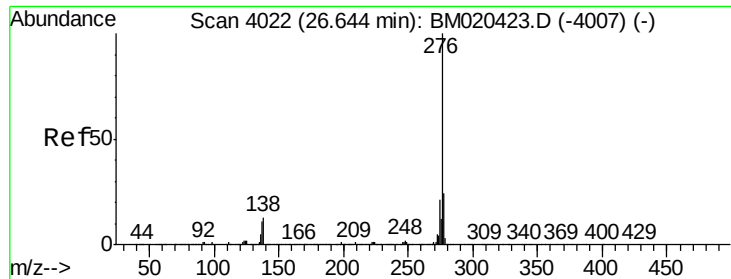
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 8.363 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020430.D

Acq: 20 May 2019 15:22

Instrument :

BNA_M

ClientSampleId :

GAJA5ME

Tgt Ion:	276	Resp:	171306
Ion Ratio	Lower	Upper	
276	100		
138	13.2	10.0	15.0
277	24.7	18.2	27.4

Manual Integrations
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