

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
 Data File : BM020375.D
 Acq On : 17 May 2019 21:18
 Operator : JU/SJ
 Sample : K2604-12MEDL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ86MEDL

Quant Time: May 18 04:20:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 04:16:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	54489	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	201653	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	129115	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	318294	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	341637	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	373650	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1522	1.03	ng/uL	0.00
5) Phenol-d5	6.90	99	19640	4.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	15234	5.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	17262	5.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	8108	2.56	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	6875	5.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	6672	4.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	15647	5.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	16472	5.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	66668	7.18	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	81357	7.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.58	143	336	0.25	ng/ul	-0.02
57) Fluorene-d10	15.38	176	63476	7.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	3238	1.79	ng/ul	0.00
70) Anthracene-d10	17.23	188	102861	7.53	ng/ul	0.00
78) Pyrene-d10	19.53	212	126199	7.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	128219	7.55	ng/ul	-0.01

Target Compounds

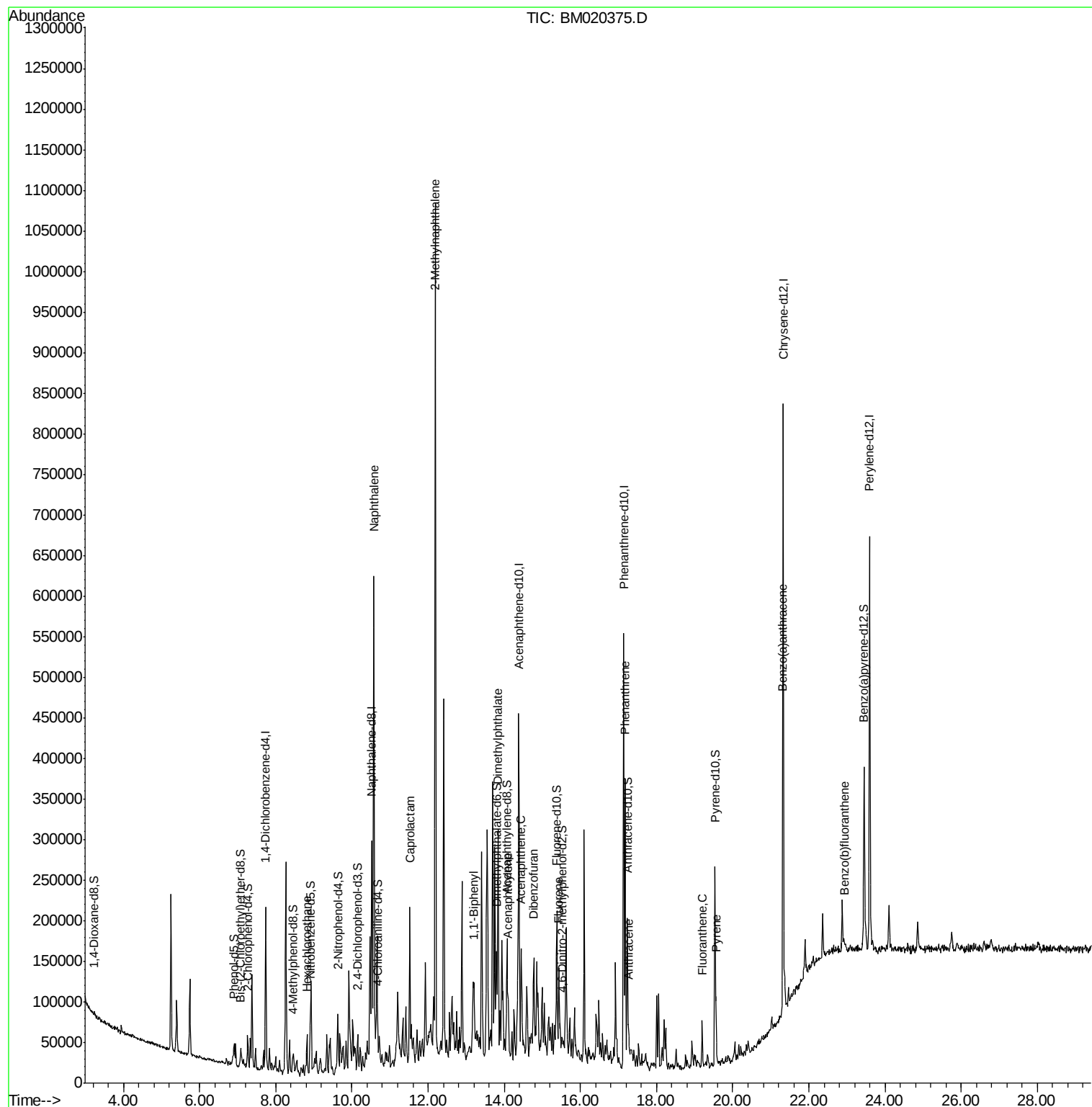
					Qvalue	
17) Hexachloroethane	8.83	117	4318	2.810	ng/ul#	1
28) Naphthalene	10.57	128	427960	46.192	ng/ul	99
32) Caprolactam	11.52	113	7689	9.050	ng/ul#	41
34) 2-Methylnaphthalene	12.19	142	462486	68.944	ng/ul	99
40) 1,1'-Biphenyl	13.22	154	25323	2.740	ng/ul	98
44) Dimethylphthalate	13.84	163	11677	1.271	ng/ul	97
47) Acenaphthylene	14.10	152	13836	1.263	ng/ul#	72
49) Acenaphthene	14.44	153	47061	6.247	ng/ul	99
53) Dibenzofuran	14.79	168	14683	1.287	ng/ul	92
58) Fluorene	15.43	166	43951	4.809	ng/ul	95
69) Phenanthrene	17.17	178	201996	13.319	ng/ul	99
71) Anthracene	17.27	178	34167	2.215	ng/ul	97
76) Fluoranthene	19.19	202	30626	1.599	ng/ul#	96
79) Pyrene	19.56	202	51614	2.517	ng/ul#	97
82) Benzo(a)anthracene	21.31	228	22799	1.109	ng/ul	93
87) Benzo(b)fluoranthene	22.92	252	21504	1.008	ng/ul#	88

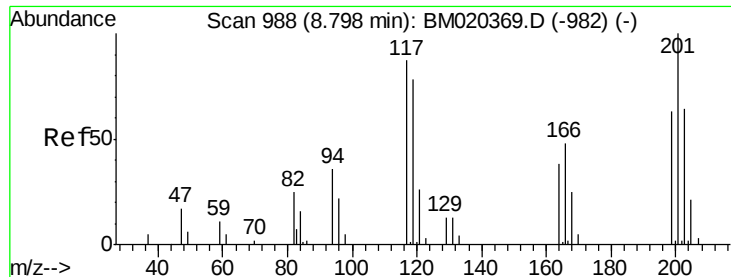
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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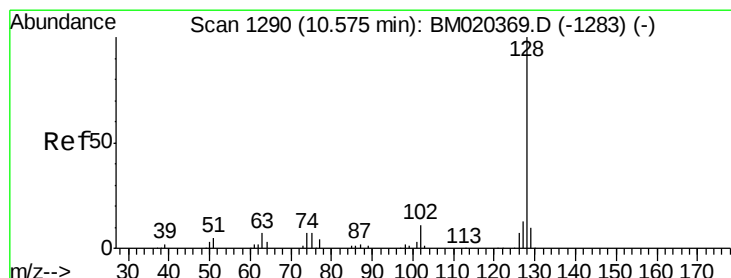
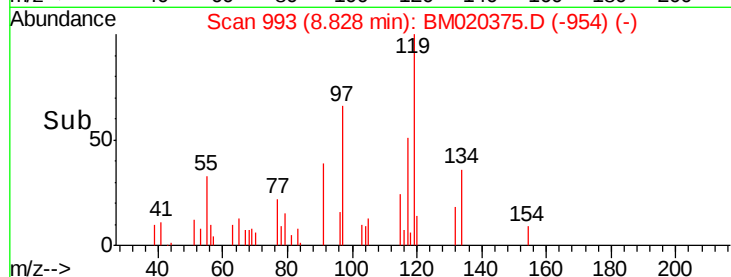
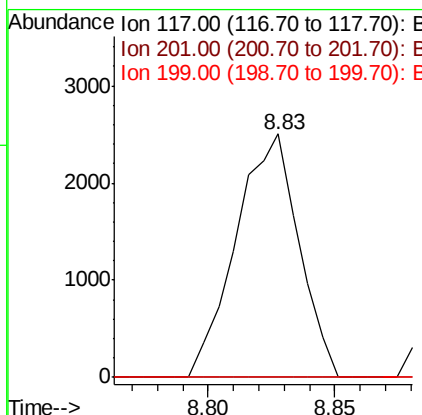
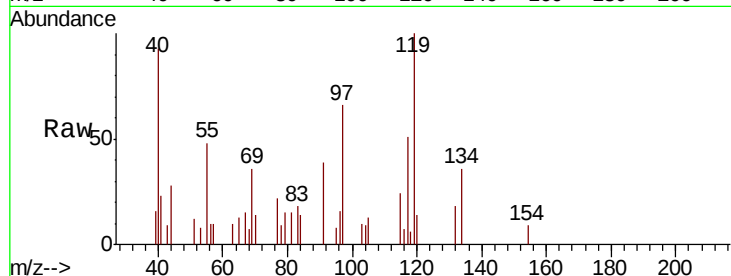




#17
Hexachloroethane
Concen: 2.810 ng/ul
RT: 8.83 min Scan# 993
Delta R.T. 0.03 min
Lab File: BM020375.D
Acq: 17 May 2019 21:18

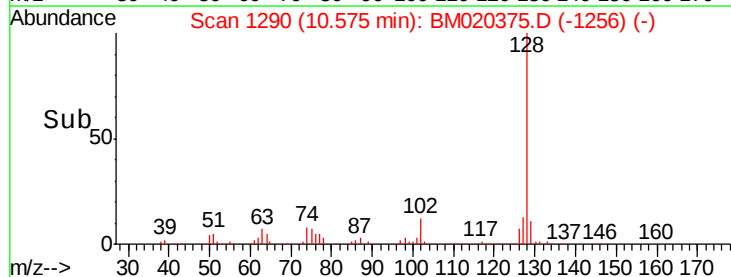
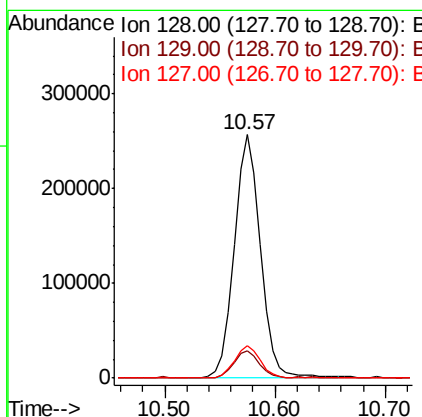
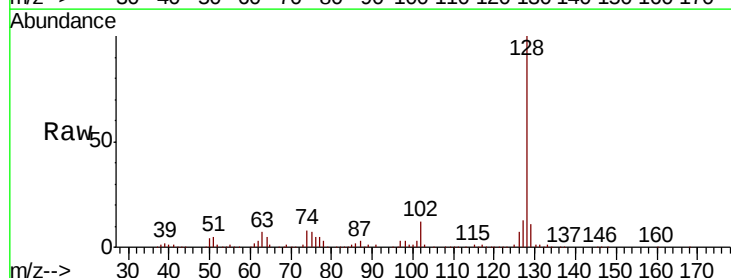
Instrument :
BNA_M
ClientSampleId :
GAJ86MEDL

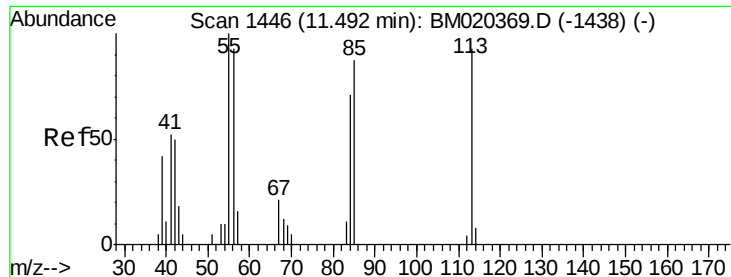
Tgt Ion:117 Resp: 4318
Ion Ratio Lower Upper
117 100
201 0.0 102.4 153.6#
199 0.0 63.3 94.9#



#28
Naphthalene
Concen: 46.192 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020375.D
Acq: 17 May 2019 21:18

Tgt Ion:128 Resp: 427960
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.6 15.8





#32

Caprolactam

Concen: 9.050 ng/ul

RT: 11.52 min Scan# 1451

Delta R.T. 0.03 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

Instrument :

BNA_M

ClientSampleId :

GAJ86MEDL

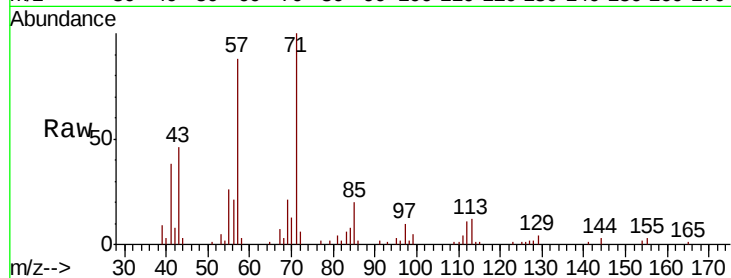
Tgt Ion:113 Resp: 7689

Ion Ratio Lower Upper

113 100

55 207.2 104.6 156.8#

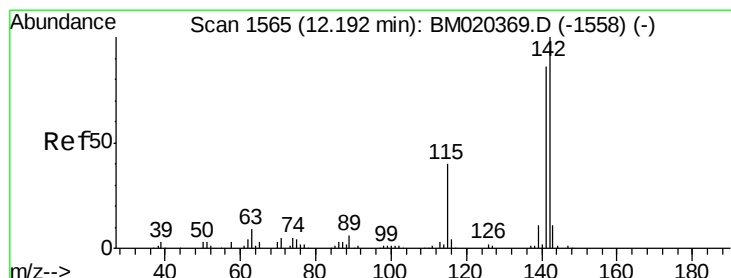
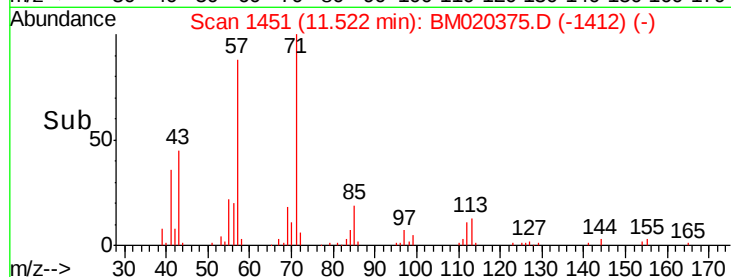
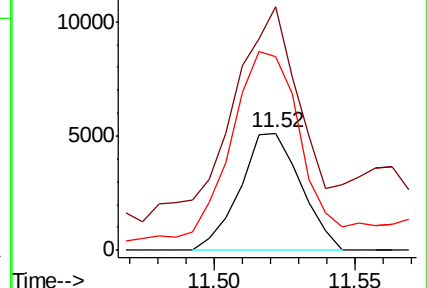
56 164.6 88.4 132.6#



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: 68.944 ng/ul

RT: 12.19 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BM020375.D

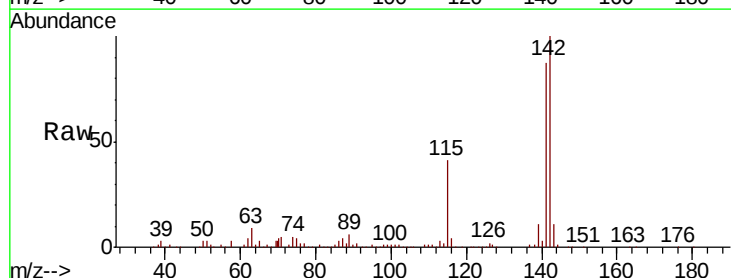
Acq: 17 May 2019 21:18

Tgt Ion:142 Resp: 462486

Ion Ratio Lower Upper

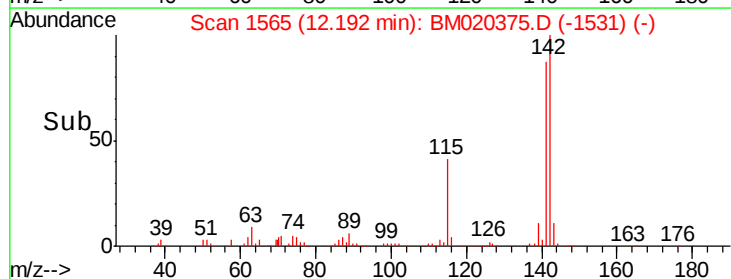
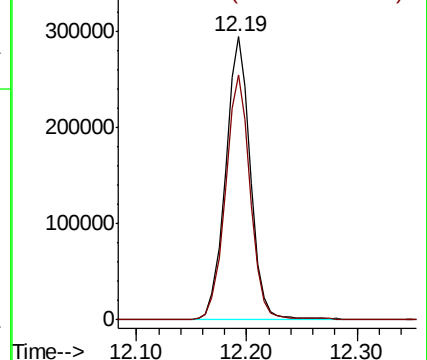
142 100

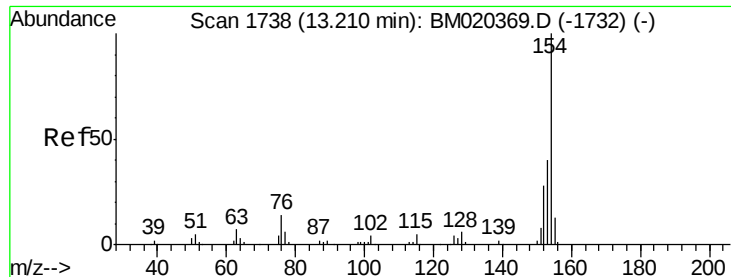
141 86.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

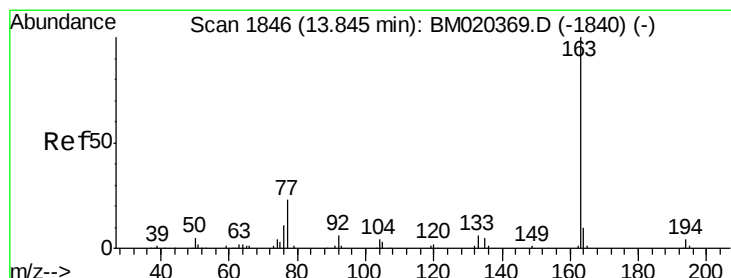
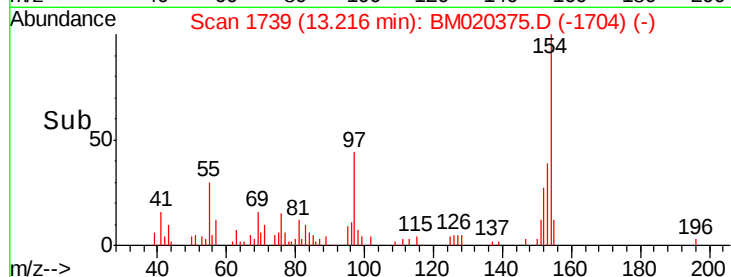
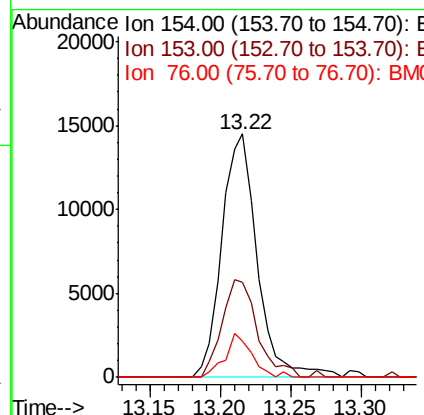
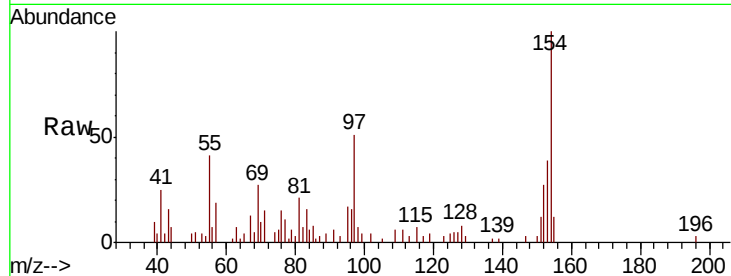




#40
 1,1'-Biphenyl
 Concen: 2.740 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020375.D
 Acq: 17 May 2019 21:18

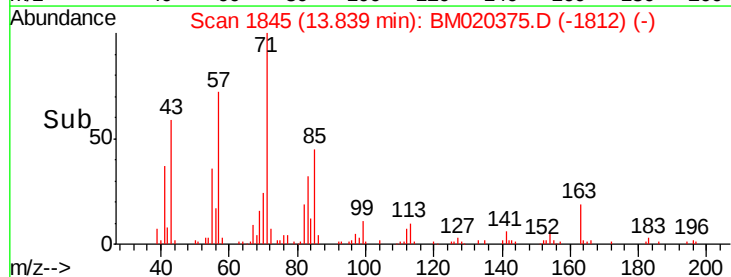
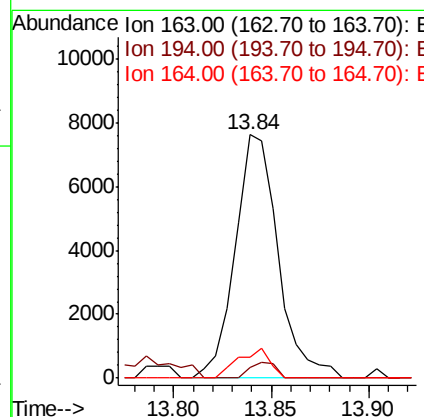
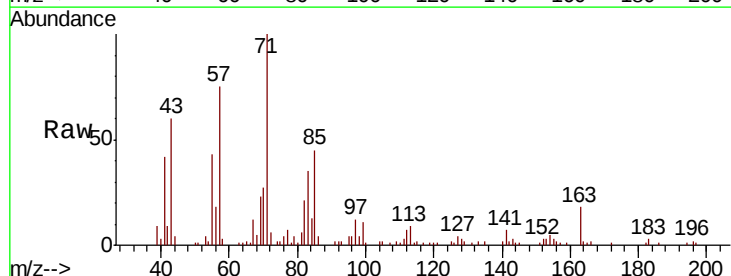
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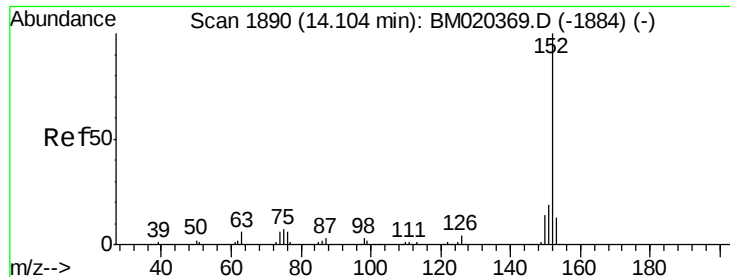
Tgt Ion:154 Resp: 25323
 Ion Ratio Lower Upper
 154 100
 153 39.2 32.2 48.4
 76 14.7 11.0 16.4



#44
 Dimethylphthalate
 Concen: 1.271 ng/ul
 RT: 13.84 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BM020375.D
 Acq: 17 May 2019 21:18

Tgt Ion:163 Resp: 11677
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.3 4.9
 164 8.4 8.0 12.0





#47

Acenaphthylene

Concen: 1.263 ng/ul

RT: 14.10 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

Instrument :

BNA_M

ClientSampleId :

GAJ86MEDL

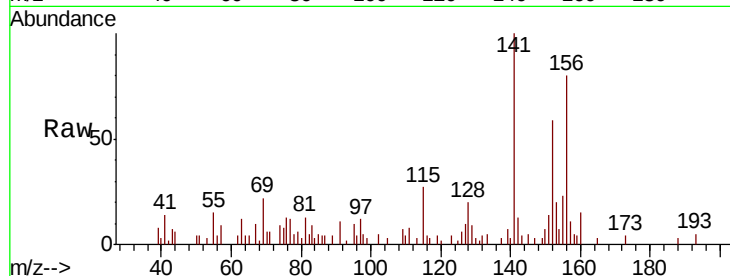
Tgt Ion:152 Resp: 13836

Ion Ratio Lower Upper

152 100

151 23.6 15.4 23.0#

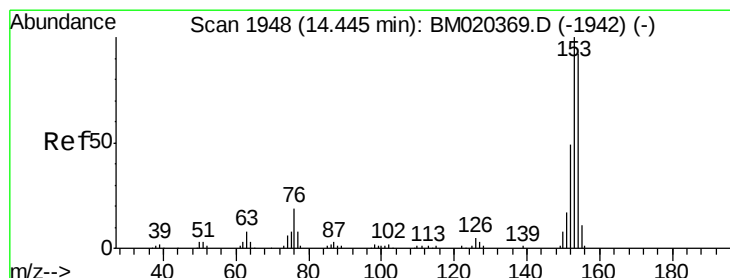
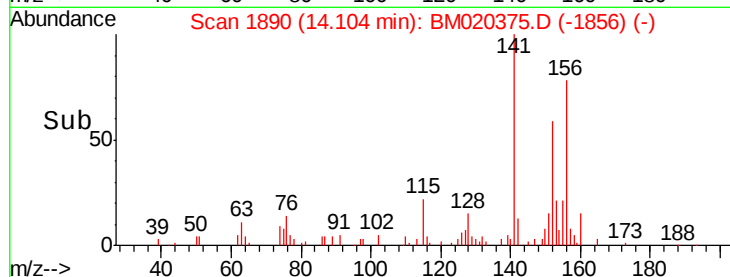
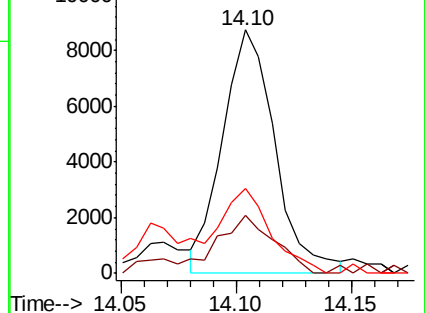
153 34.7 10.3 15.5#



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: 6.247 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

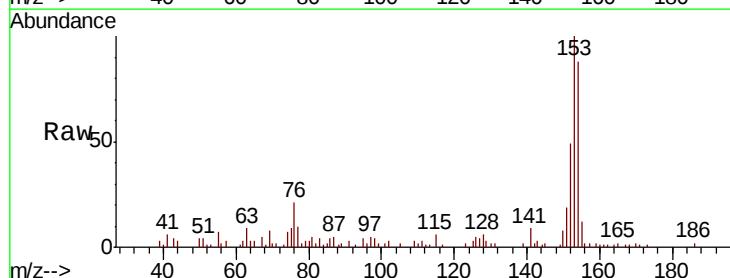
Tgt Ion:153 Resp: 47061

Ion Ratio Lower Upper

153 100

152 48.6 37.9 56.9

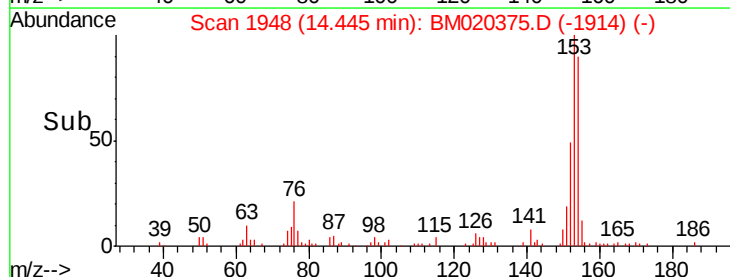
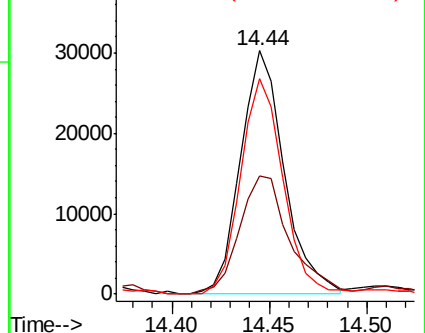
154 88.5 71.2 106.8

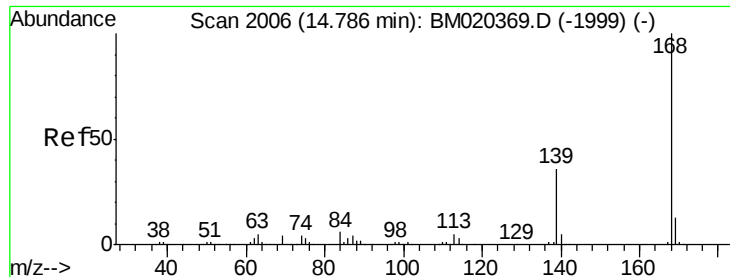


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.287 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

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ClientSampleId :

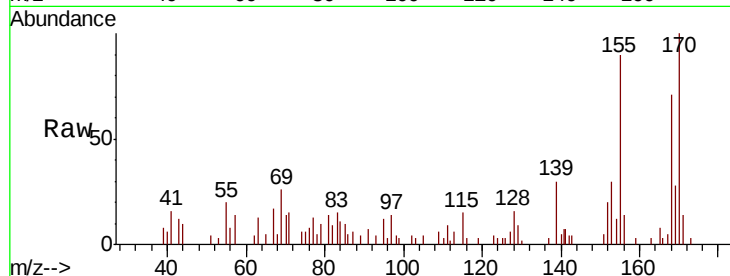
GAJ86MEDL

Tgt Ion:168 Resp: 14683

Ion Ratio Lower Upper

168 100

139 42.4 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.79

10000

8000

6000

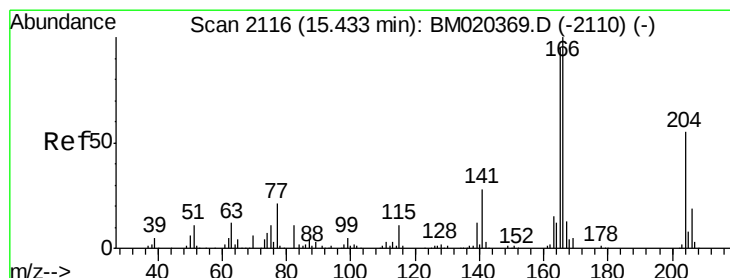
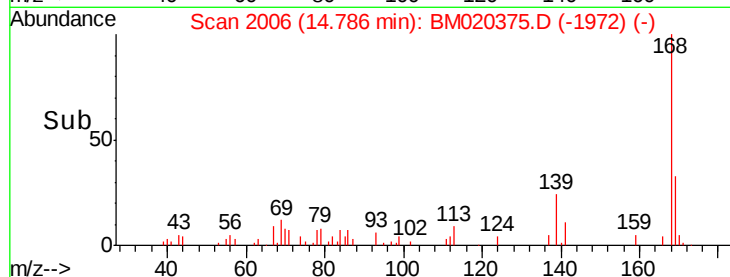
4000

2000

0

14.75 14.80 14.85

Time-->



#58

Fluorene

Concen: 4.809 ng/ul

RT: 15.43 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

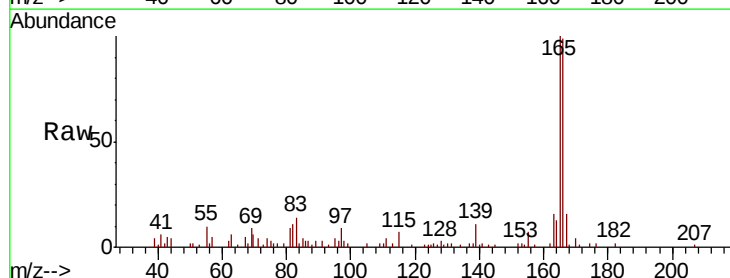
Tgt Ion:166 Resp: 43951

Ion Ratio Lower Upper

166 100

165 101.4 77.1 115.7

167 16.0 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.43

30000

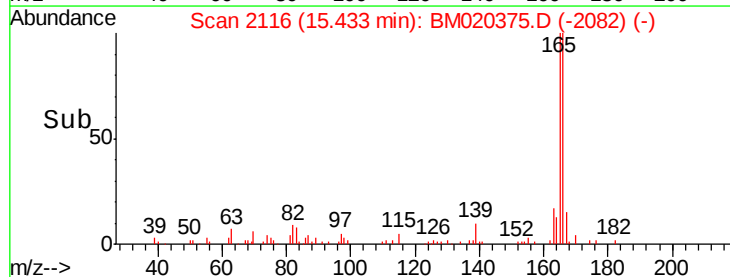
20000

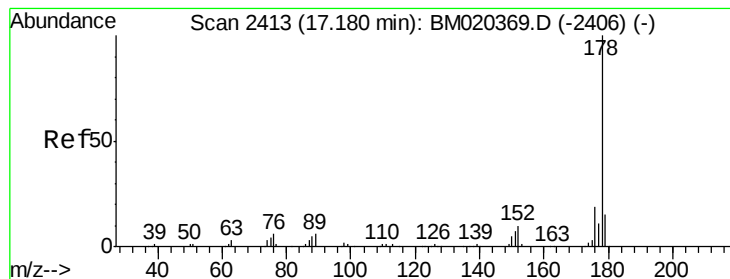
10000

0

15.40 15.45 15.50

Time-->





#69

Phenanthrene

Concen: 13.319 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020375.D

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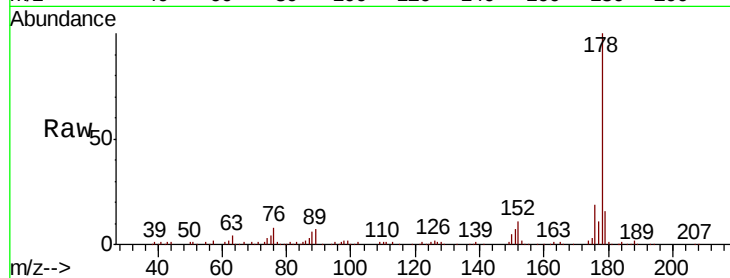
Tgt Ion:178 Resp: 201996

Ion Ratio Lower Upper

178 100

179 15.9 11.9 17.9

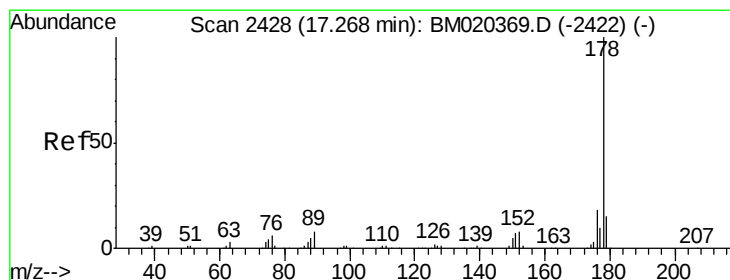
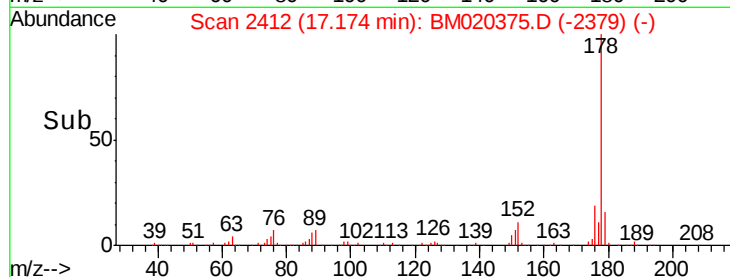
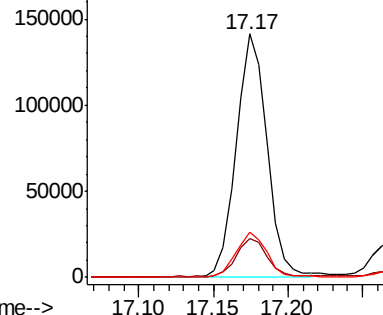
176 18.6 14.6 22.0



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: 2.215 ng/ul

RT: 17.27 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

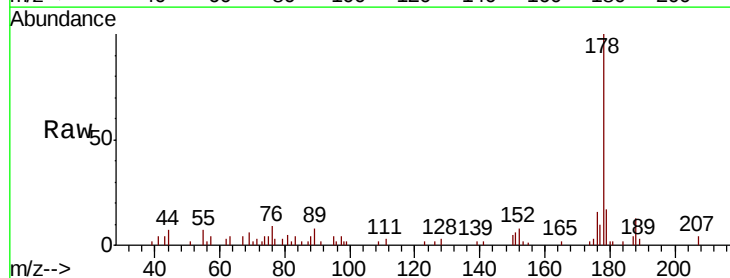
Tgt Ion:178 Resp: 34167

Ion Ratio Lower Upper

178 100

179 16.6 12.4 18.6

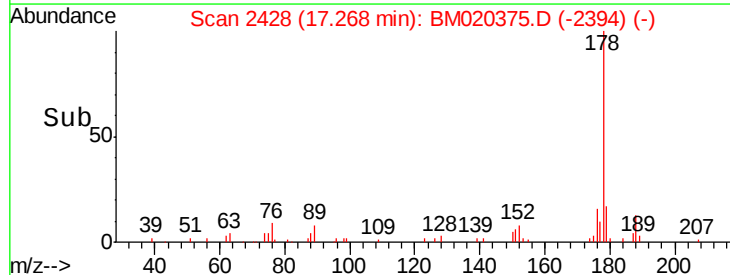
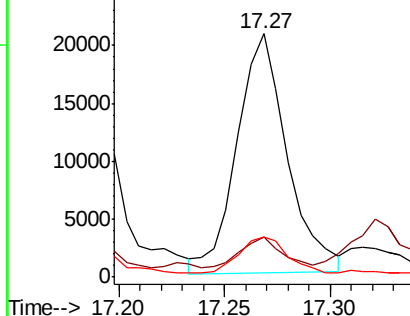
176 16.3 14.4 21.6

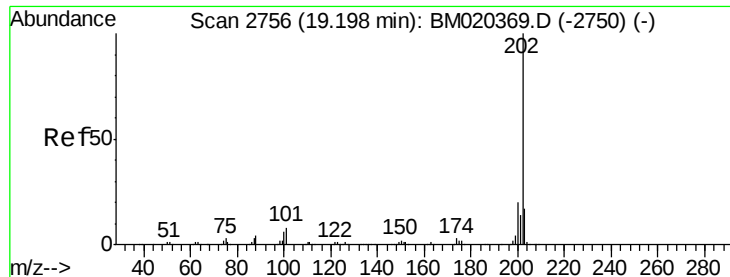


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 1.599 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. -0.01 min

Lab File: BM020375.D

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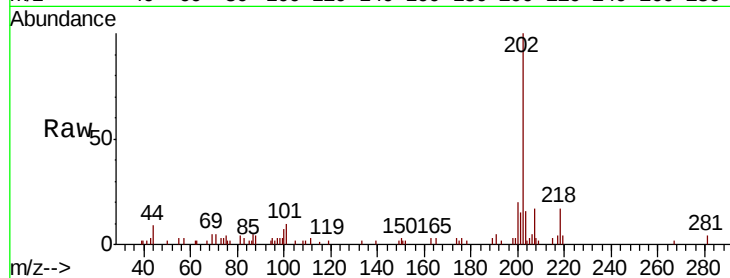
Tgt Ion:202 Resp: 30626

Ion Ratio Lower Upper

202 100

101 9.8 6.4 9.6#

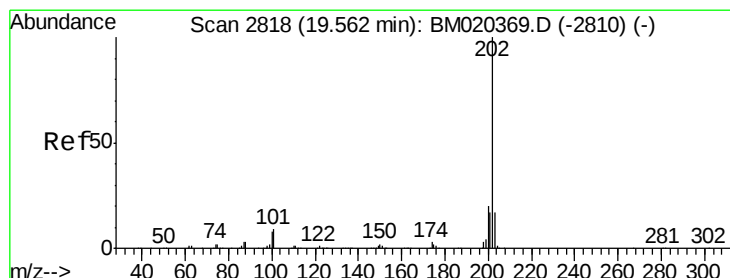
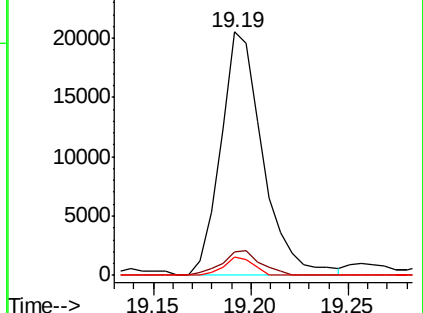
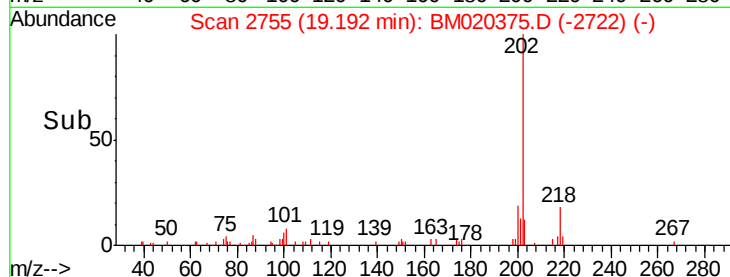
100 7.3 5.2 7.8



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: 2.517 ng/ul

RT: 19.56 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

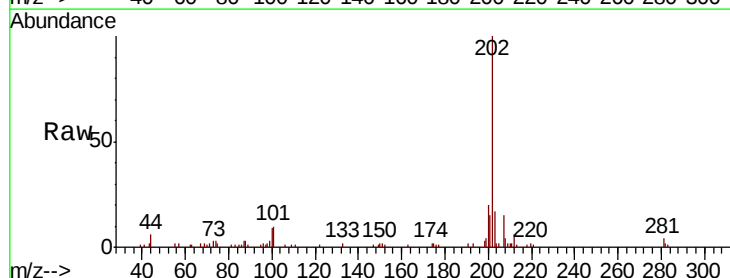
Tgt Ion:202 Resp: 51614

Ion Ratio Lower Upper

202 100

101 9.6 7.1 10.7

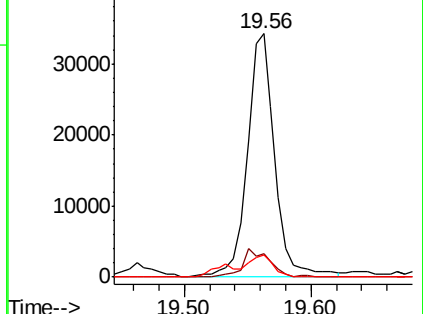
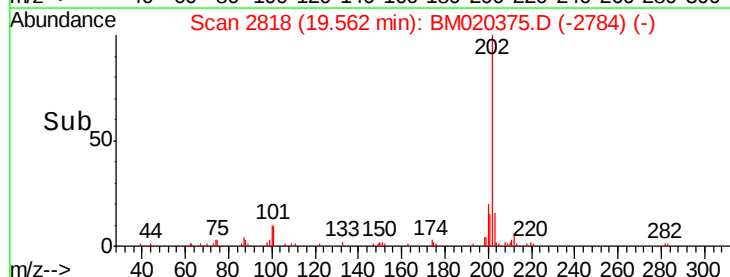
100 9.0 5.9 8.9#

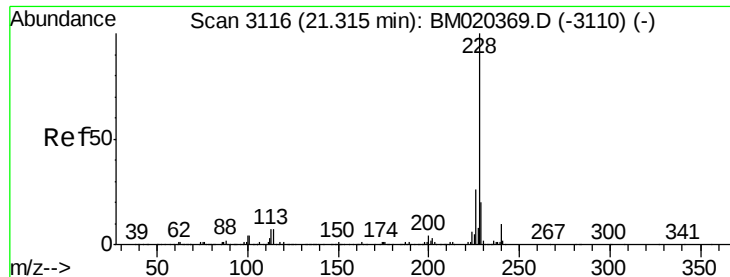


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 1.109 ng/ul

RT: 21.31 min Scan# 3115

Delta R.T. -0.01 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

Instrument :

BNA_M

ClientSampleId :

GAJ86MEDL

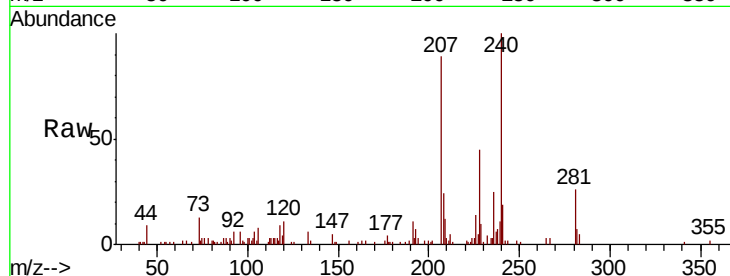
Tgt Ion:228 Resp: 22799

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.8

226 30.4 20.6 30.8

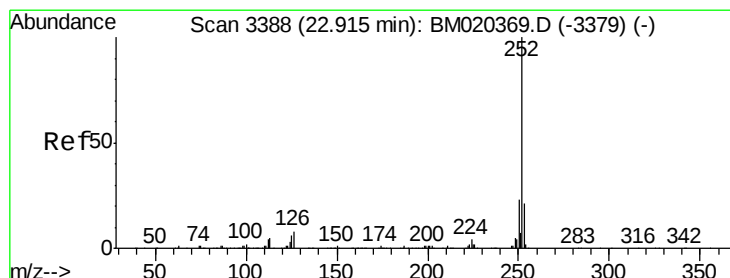
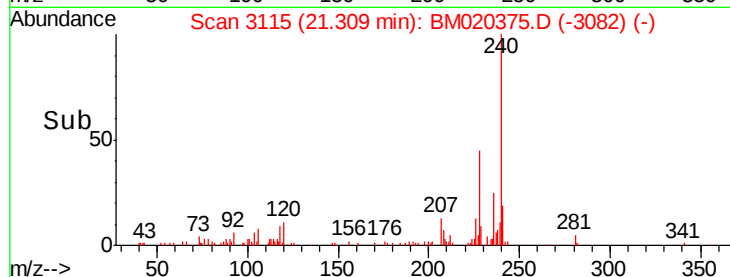
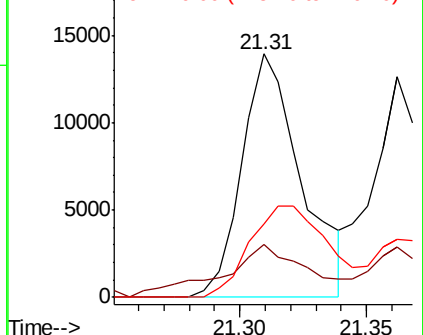


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#87

Benzo(b)fluoranthene

Concen: 1.008 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. 0.01 min

Lab File: BM020375.D

Acq: 17 May 2019 21:18

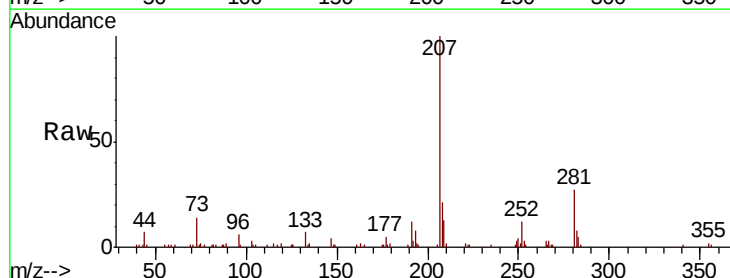
Tgt Ion:252 Resp: 21504

Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

125 16.3 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

