

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 Data File : BM024537.D
 Acq On : 18 Jan 2020 16:00
 Operator : JU
 Sample : L1109-11
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASH0

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:59:51 AM

Quant Time: Jan 20 11:02:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 20 03:25:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	127261	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	635088	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.11	164	633211	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	1357102m	20.00	ng/ul	0.04
78) Chrysene-d12	21.12	240	1816533	20.00	ng/ul	0.05
86) Perylene-d12	23.24	264	1578537	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	8086	3.11	ng/uL	0.00
5) Phenol-d5	6.65	99	150770	15.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	79757	15.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	137798	17.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	147587	16.97	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	58948	13.21	ng/ul	0.01
22) 2-Nitrophenol-d4	9.32	143	84837m	17.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.87	165	182221	16.75	ng/ul	0.02
29) 4-Chloroaniline-d4	10.37	131	620173m	51.28	ng/ul	0.02
44) Dimethylphthalate-d6	13.55	166	761938	15.36	ng/ul	0.02
47) Acenaphthylene-d8	13.80	160	859416	15.05	ng/ul	0.01
52) 4-Nitrophenol-d4	14.34	143	174559	21.08	ng/ul	0.03
58) Fluorene-d10	15.12	176	724228	16.58	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.31	200	57862m	7.47	ng/ul	0.08
71) Anthracene-d10	17.00	188	1275668	20.21	ng/ul	0.05
79) Pyrene-d10	19.30	212	1914572m	19.72	ng/ul	0.04
90) Benzo(a)pyrene-d12	23.11	264	1609134	19.65	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	6.68	94	1593838	166.278	ng/ul	97
11) 2-Methylphenol	7.92	108	1811525	230.582	ng/ul	99
14) Acetophenone	8.26	105	314325m	23.024	ng/ul	
16) 4-Methylphenol	8.25	108	4277614	488.959	ng/ul	93
24) 2,4-Dimethylphenol	9.45	107	4641783m	404.732	ng/ul	
28) Naphthalene	10.27	128	55645974m	1710.299	ng/ul	
34) 2-Methylnaphthalene	11.91	142	32473324m	1286.260	ng/ul	
41) 1,1'-Biphenyl	12.95	154	9673680	210.426	ng/ul	99
45) Dimethylphthalate	13.59	163	162308	3.218	ng/ul#	95
48) Acenaphthylene	13.83	152	22349552m	383.163	ng/ul	
50) Acenaphthene	14.18	153	6174455	156.401	ng/ul	97
54) Dibenzofuran	14.52	168	23553244m	407.257	ng/ul	
59) Fluorene	15.18	166	25846196m	528.572	ng/ul	
65) N-Nitrosodiphenylamine	15.40	169	521924	13.847	ng/ul#	71
70) Phenanthrene	16.91	178	45757617m	625.205	ng/ul	
72) Anthracene	17.03	178	26479237m	354.791	ng/ul	
75) Carbazole	17.29	167	17374121m	276.668	ng/ul	
77) Fluoranthene	18.95	202	36935465m	412.917	ng/ul	
80) Pyrene	19.32	202	36691733m	295.057	ng/ul	
83) Benzo(a)anthracene	21.07	228	32436911m	262.129	ng/ul	
85) Chrysene	21.13	228	23048011m	193.292	ng/ul	
88) Benzo(b)fluoranthene	22.62	252	29552084m	283.247	ng/ul	
89) Benzo(k)fluoranthene	22.66	252	11265847m	109.871	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.16	252	27649295m	304.949	ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.37	276	15480278	163.175	ng/ul	97
93) Dibenzo(a,h)anthracene	25.36	278	5079257	63.084	ng/ul#	83
94) Benzo(g,h,i)perylene	26.00	276	11443016	151.769	ng/ul	98

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

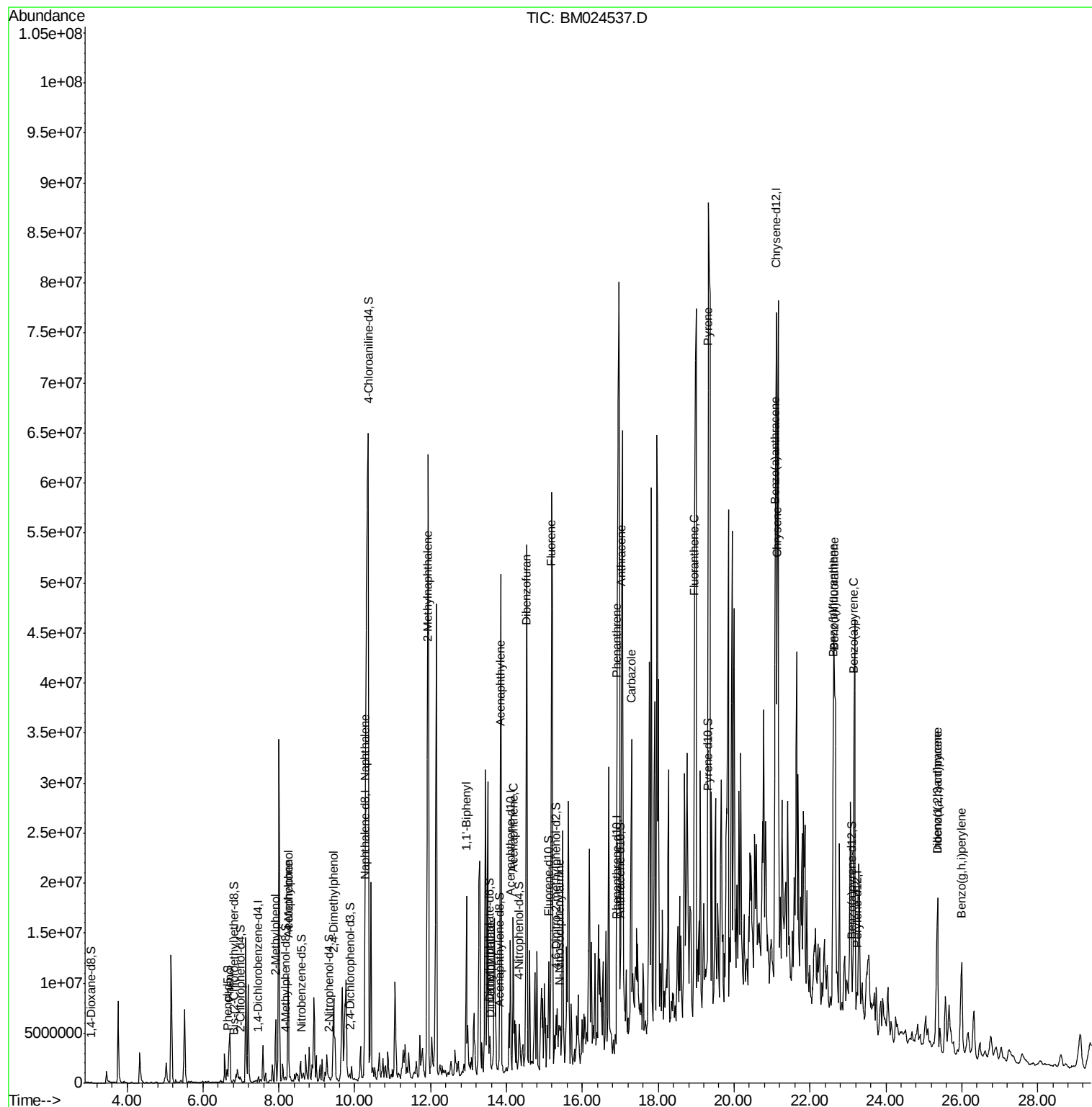
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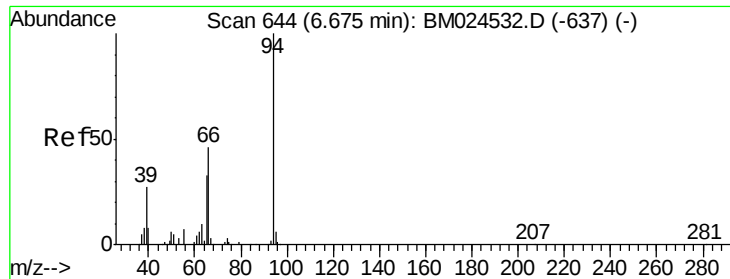
Instrument :
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#6

Phenol

Concen: 166.278 ng/ul

RT: 6.68 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

Instrument :

BNA_M

ClientSampled :

GASH0

Tot Ion: 94 Resp: 1593838

Ion Ratio Lower Upper

94 100

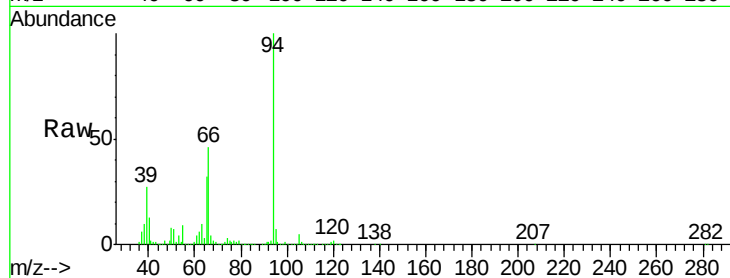
65 32.2 26.7 40.1

66 45.7 38.1 57.1

Manual Integrations
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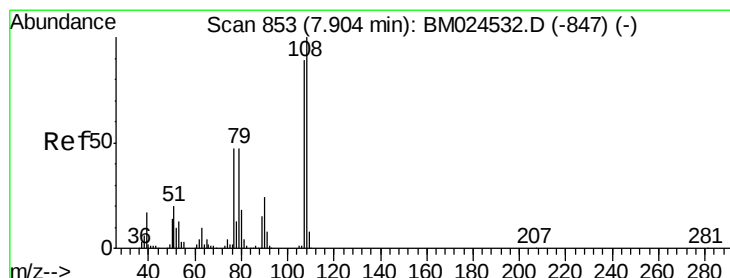
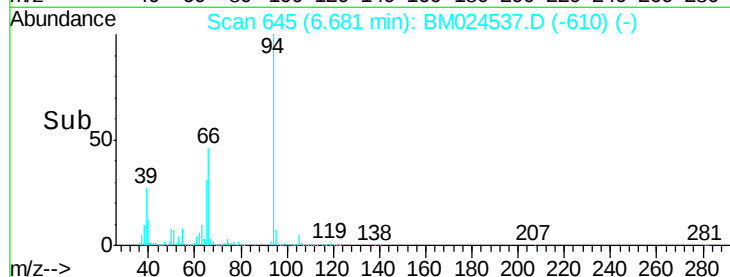
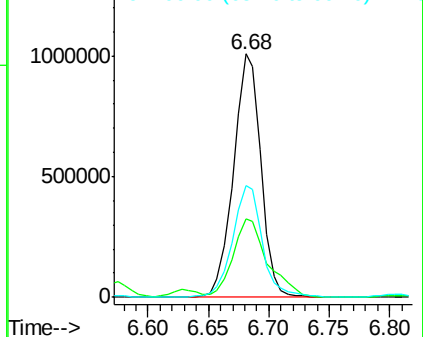
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Abundance Ion 94.00 (93.70 to 94.70): BM024537.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM024537.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM024537.D (-610) (-)



#11

2-Methylphenol

Concen: 230.582 ng/ul

RT: 7.92 min Scan# 855

Delta R.T. 0.01 min

Lab File: BM024537.D

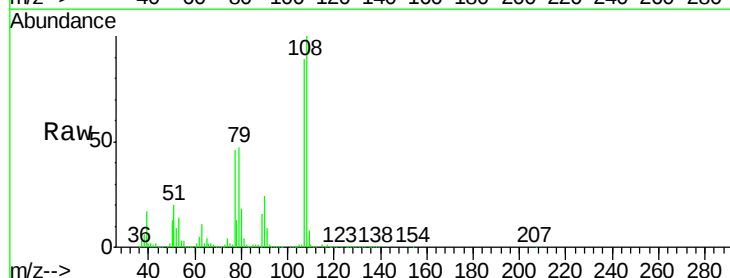
Acq: 18 Jan 2020 16:00

Tgt Ion: 108 Resp: 1811525

Ion Ratio Lower Upper

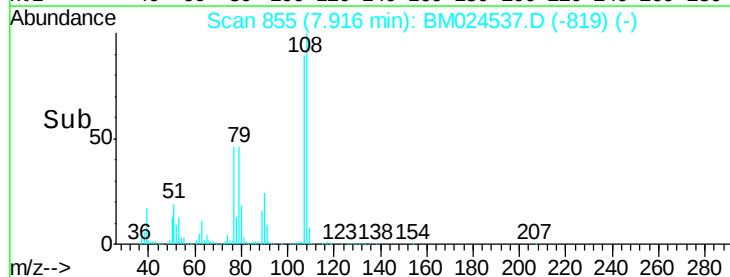
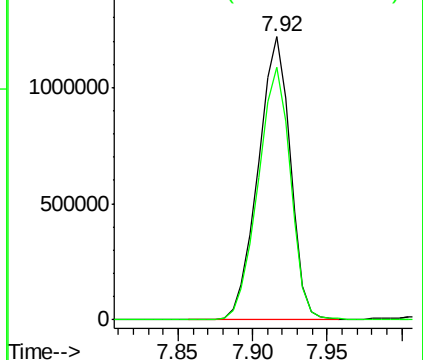
108 100

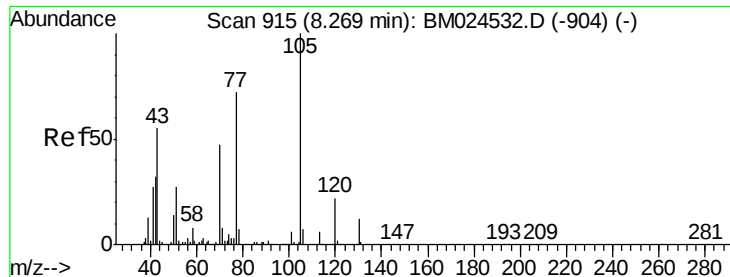
107 89.4 70.6 105.8



Abundance Ion 108.00 (107.70 to 108.70): BM024537.D (-819) (-)

Ion 107.00 (106.70 to 107.70): BM024537.D (-819) (-)





#14

Acetophenone

Concen: 23.024 ng/ul m

RT: 8.26 min Scan# 914

Delta R.T. -0.01 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

Instrument :

BNA_M

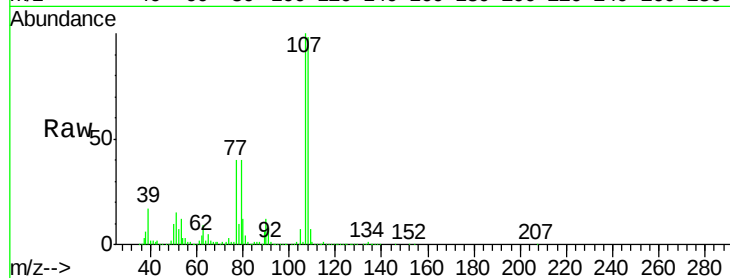
ClientSampled :

GASH0

Tot Ion:	105	Resp:	314325
Ion Ratio		Lower	Upper
105	100		
77	550.2	60.6	90.8#
51	206.3	24.4	36.6#

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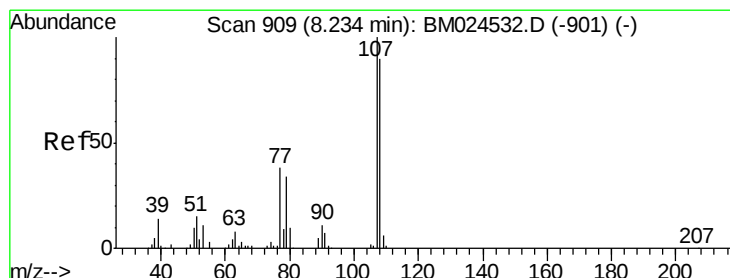
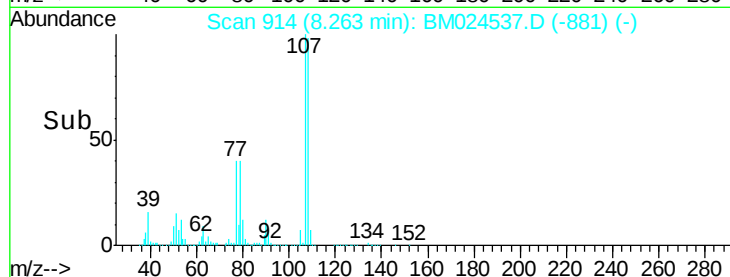
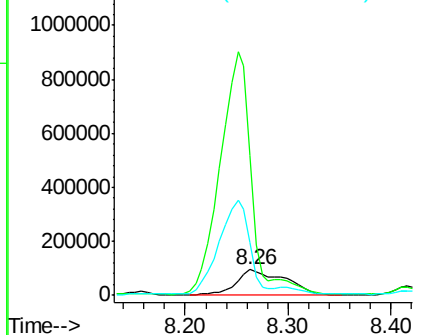
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 488.959 ng/ul

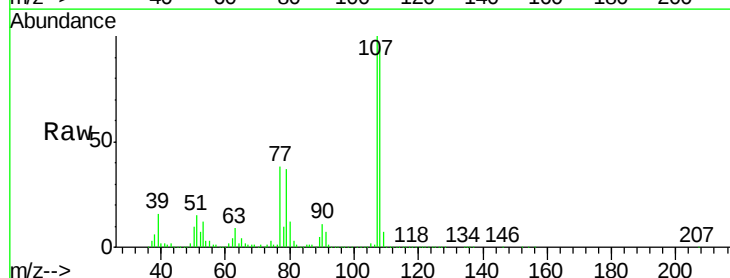
RT: 8.25 min Scan# 912

Delta R.T. 0.02 min

Lab File: BM024537.D

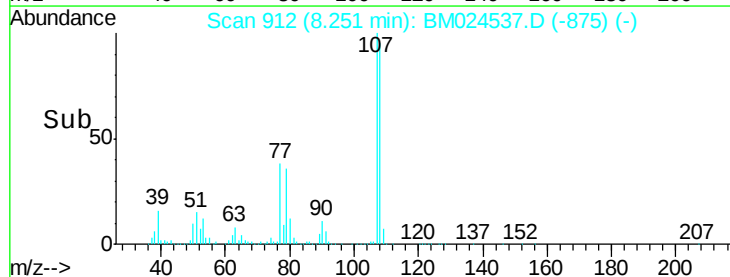
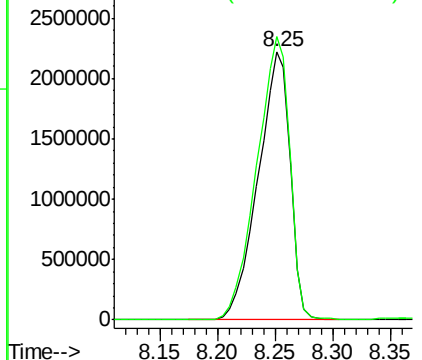
Acq: 18 Jan 2020 16:00

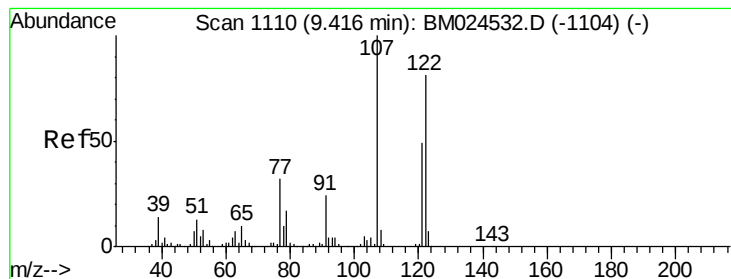
Tgt Ion:	108	Resp:	4277614
Ion Ratio		Lower	Upper
108	100		
107	105.5	90.5	135.7



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#24

2,4-Dimethylphenol

Concen: 404.732 ng/ul m

RT: 9.45 min Scan# 1115

Delta R.T. 0.03 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

Instrument :

BNA_M

ClientSampled :

GASH0

Tot Ion:107 Resp: 4641783

Ion Ratio Lower Upper

107 100

121 49.5 38.4 57.6

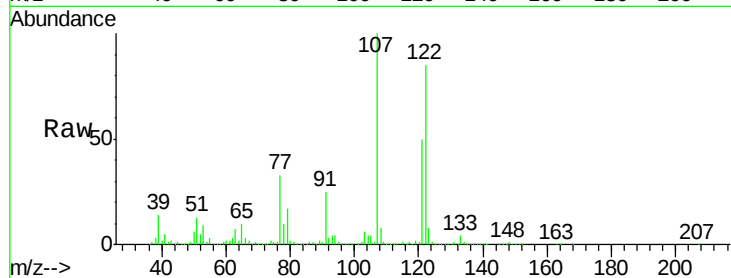
122 84.8 64.3 96.5

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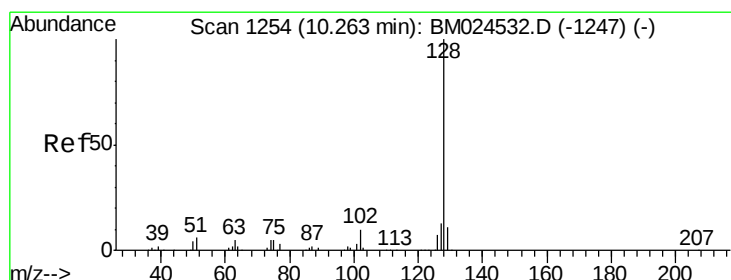
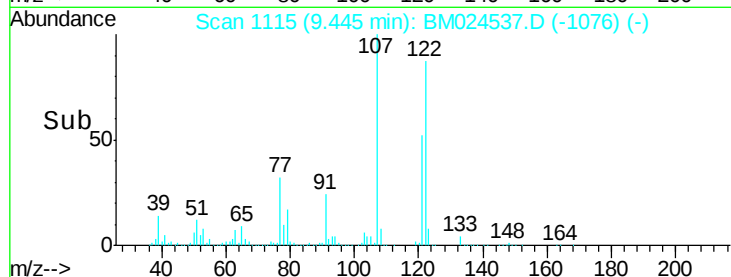
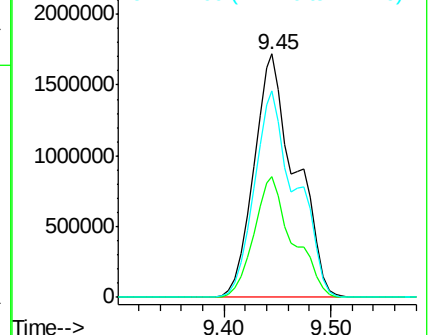
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Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 1710.299 ng/ul m

RT: 10.27 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

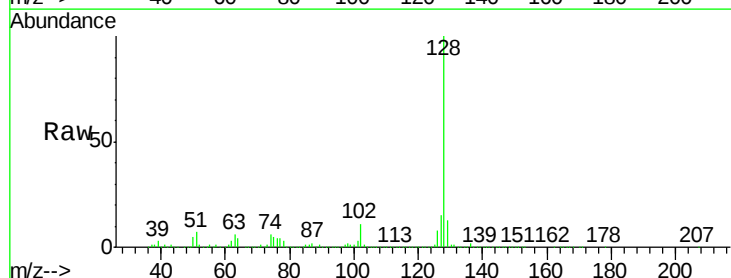
Tgt Ion:128 Resp:55645974

Ion Ratio Lower Upper

128 100

129 13.4 8.8 13.2#

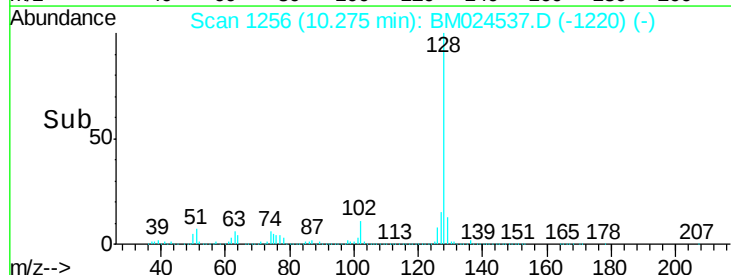
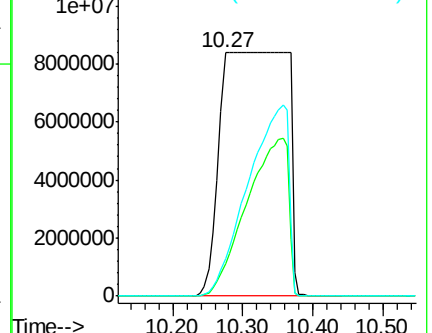
127 15.2 10.4 15.6

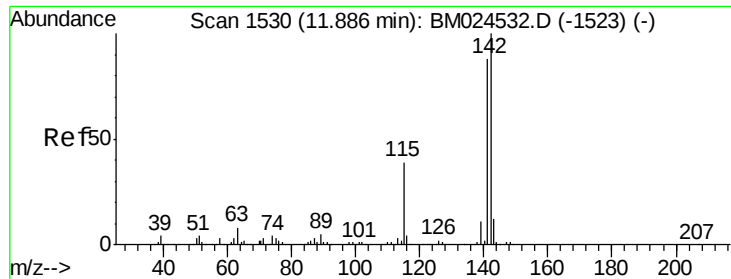


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





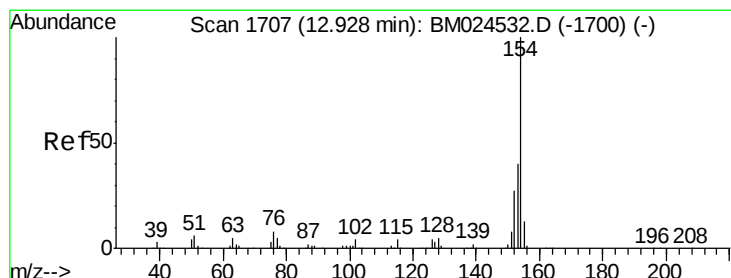
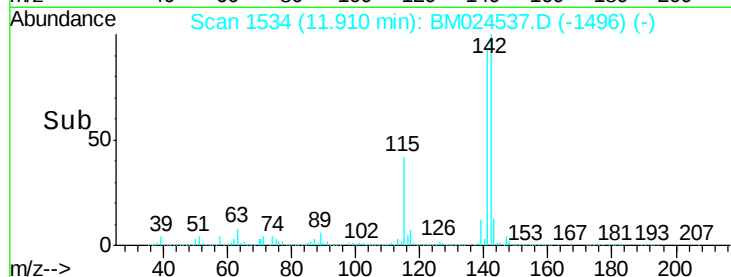
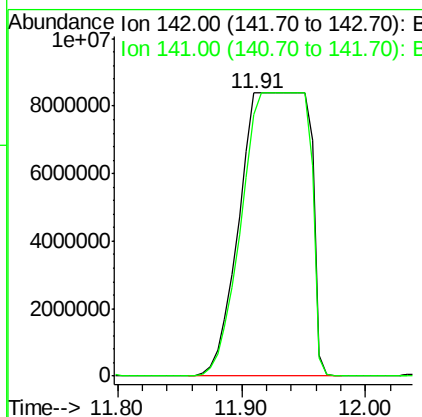
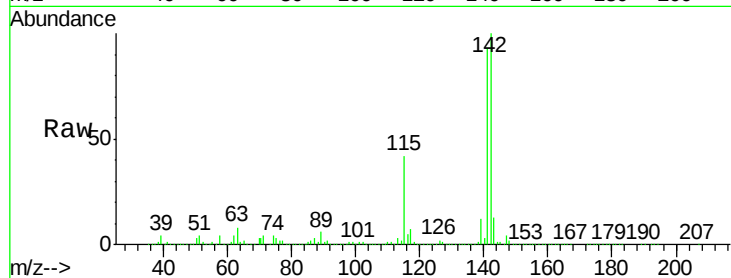
#34
2-Methylnaphthalene
Concen: 1286.260 ng/ul m
RT: 11.91 min Scan# 1534
Delta R.T. 0.02 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion:142 Resp:32473324
Ion Ratio Lower Upper
142 100
141 92.6 70.4 105.6

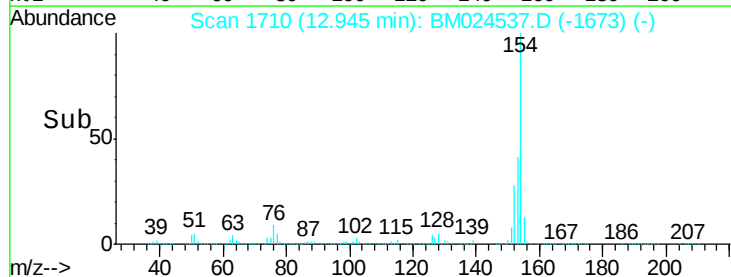
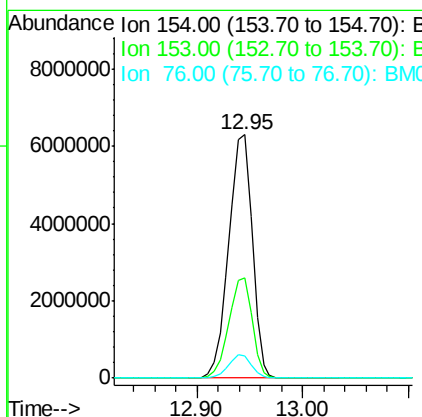
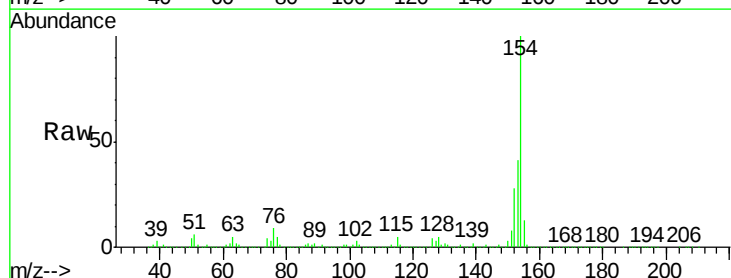
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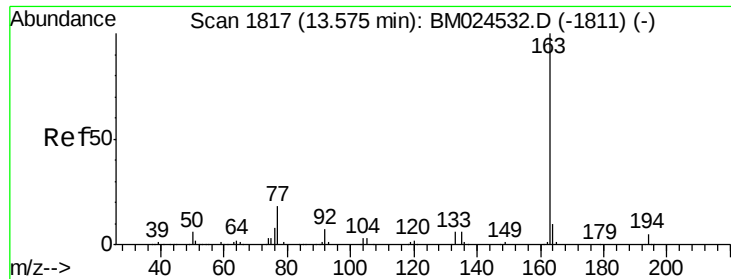
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#41
1,1'-Biphenyl
Concen: 210.426 ng/ul
RT: 12.95 min Scan# 1710
Delta R.T. 0.02 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion:154 Resp: 9673680
Ion Ratio Lower Upper
154 100
153 41.1 32.3 48.5
76 9.2 7.0 10.6





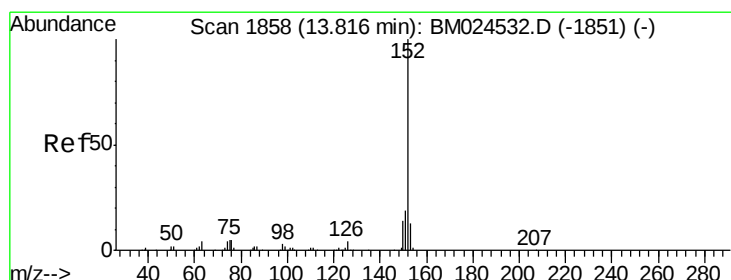
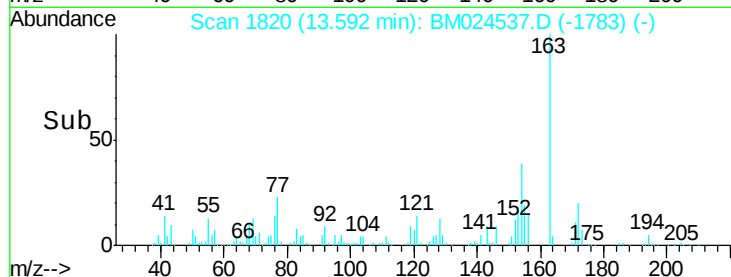
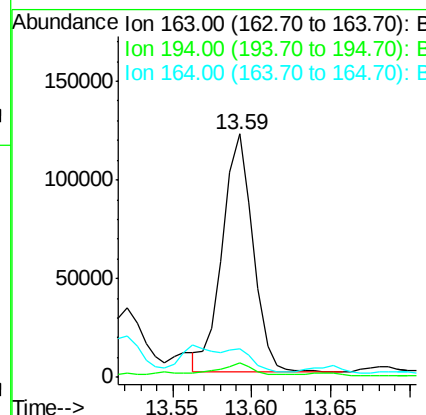
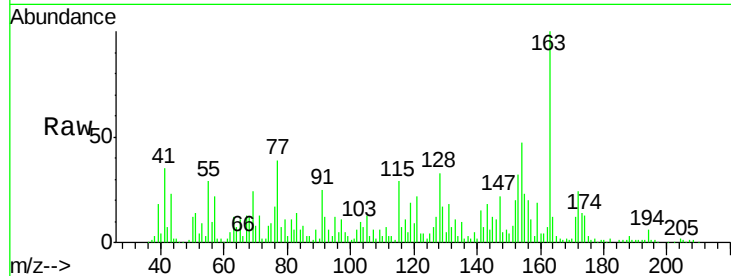
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Dimethylphthalate
Concen: 3.218 ng/ul
RT: 13.59 min Scan# 1820
Delta R.T. 0.02 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.8	3.4	5.0#
164	11.9	8.0	12.0

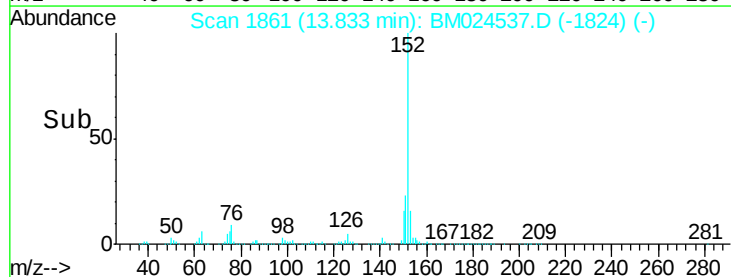
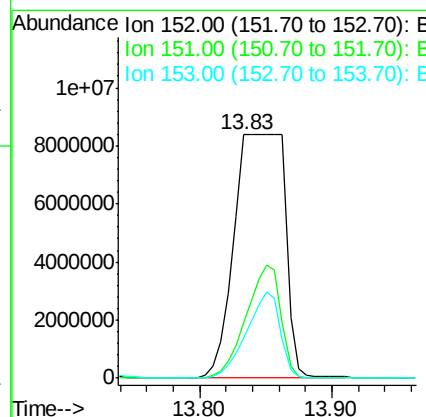
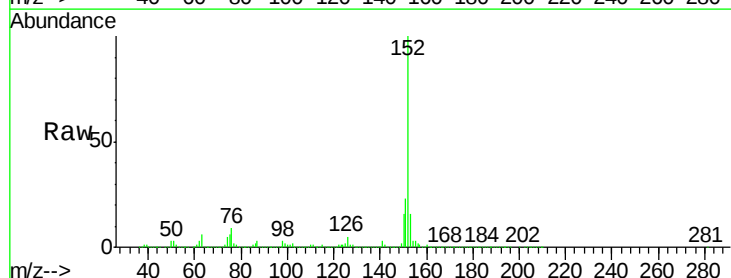
Manual Integrations
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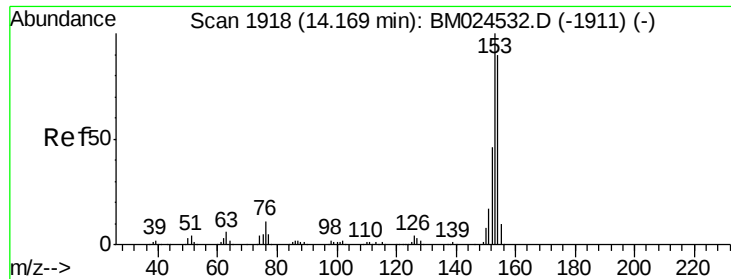
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#48
Acenaphthylene
Concen: 383.163 ng/ul m
RT: 13.83 min Scan# 1861
Delta R.T. 0.02 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.9	23.9
153	16.2	10.3	15.5#





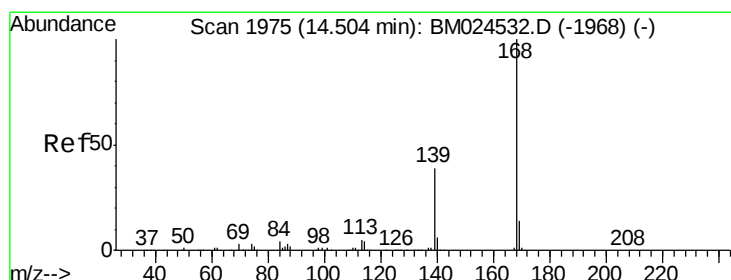
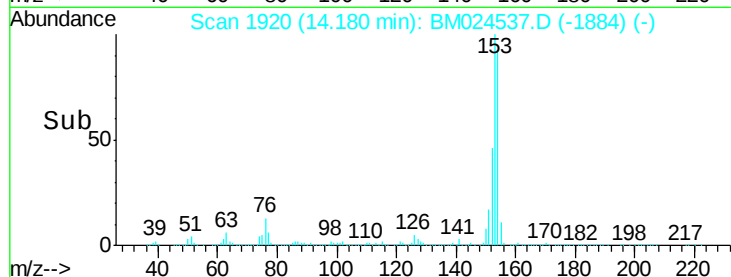
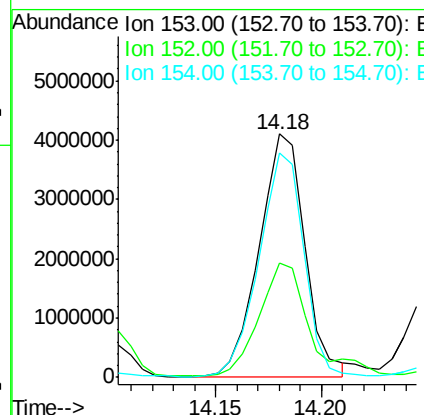
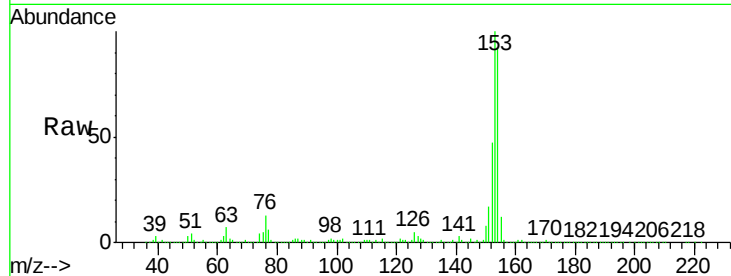
#50
Acenaphthene
Concen: 156.401 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion:153 Resp: 6174455
Ion Ratio Lower Upper
153 100
152 46.8 37.2 55.8
154 92.0 70.6 106.0

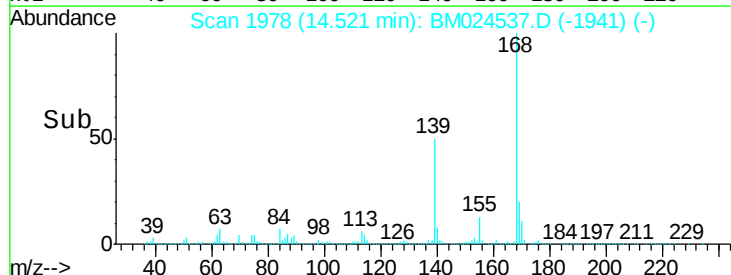
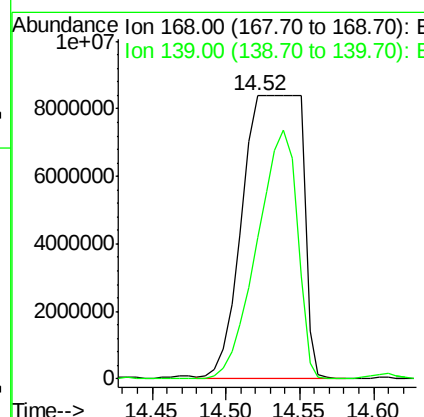
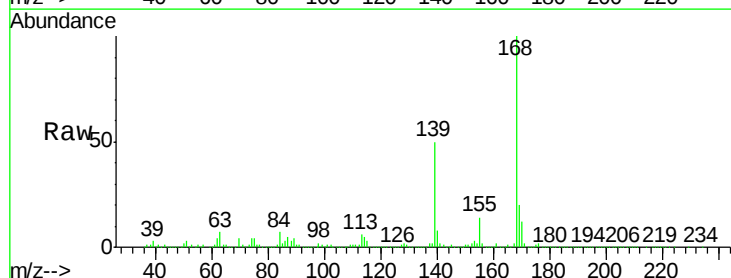
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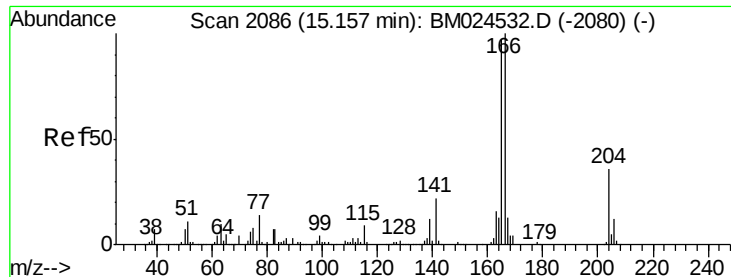
mohammad
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#54
Dibenzofuran
Concen: 407.257 ng/ul m
RT: 14.52 min Scan# 1978
Delta R.T. 0.02 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion:168 Resp:23553244
Ion Ratio Lower Upper
168 100
139 49.7 30.7 46.1#





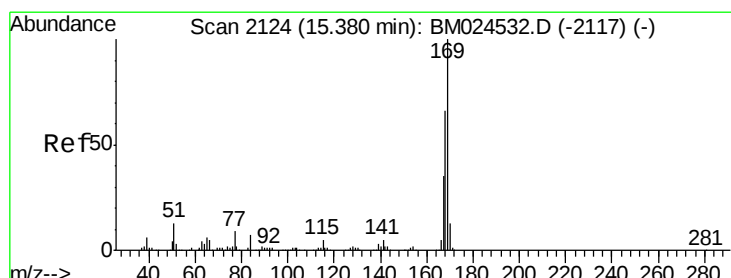
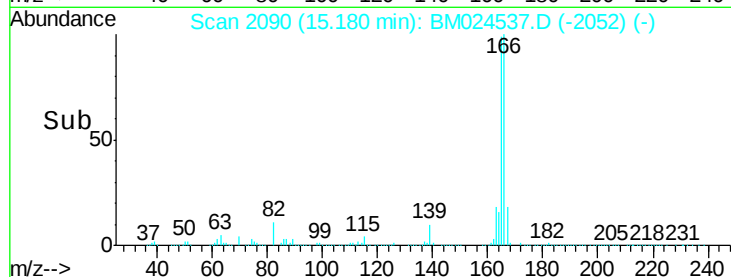
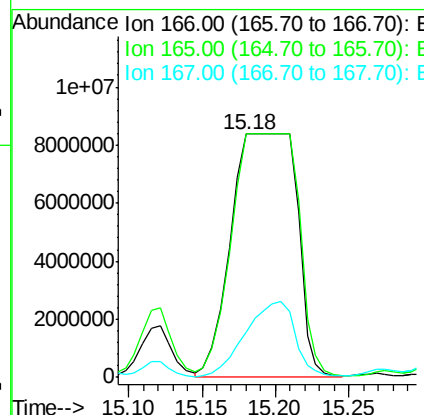
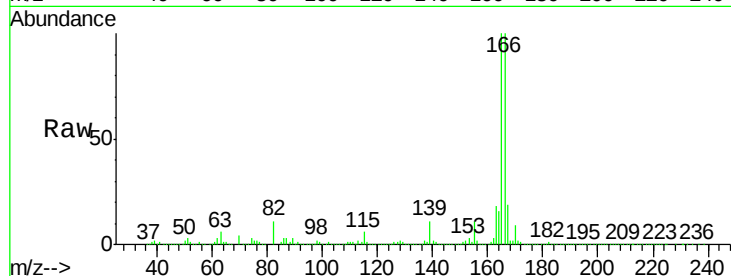
#59
Fluorene
 Concen: 528.572 ng/ul m
 RT: 15.18 min Scan# 2090
 Delta R.T. 0.02 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Instrument :
 BNA_M
 ClientSampleId :
 GASH0

Tot Ion:166 Resp:25846196
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.6 119.4
 167 18.8 10.8 16.2#

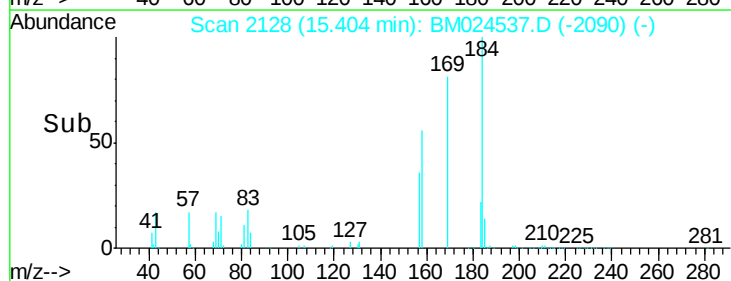
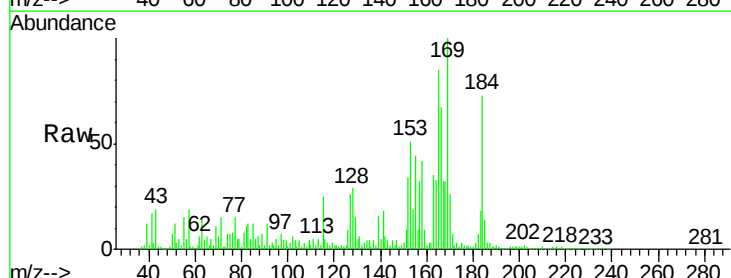
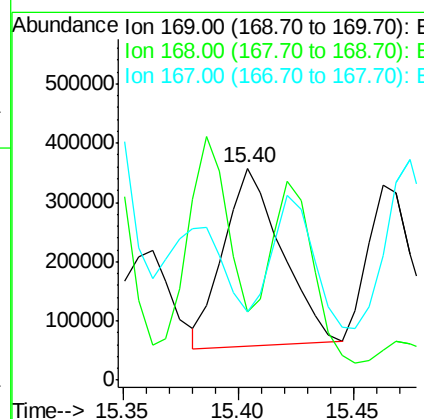
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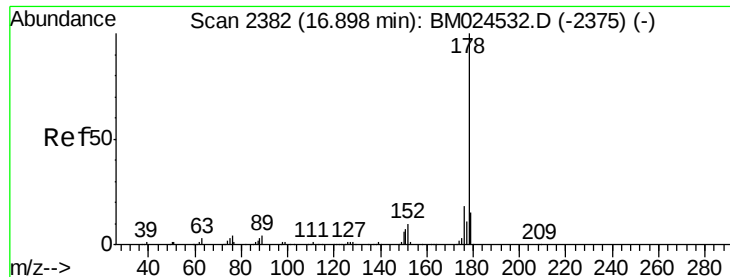
mohammad
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#65
N-Nitrosodiphenylamine
 Concen: 13.847 ng/ul
 RT: 15.40 min Scan# 2128
 Delta R.T. 0.02 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Tgt Ion:169 Resp: 521924
 Ion Ratio Lower Upper
 169 100
 168 32.4 52.6 79.0#
 167 32.4 28.3 42.5





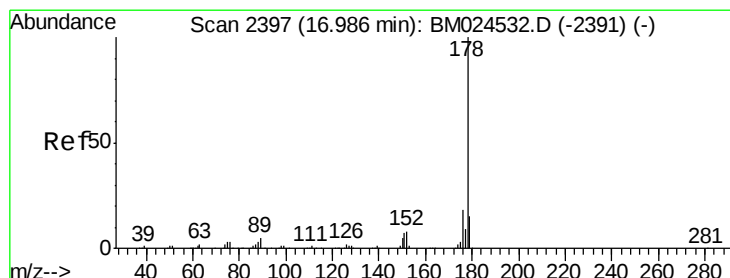
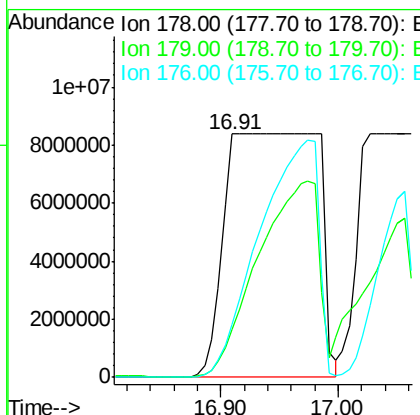
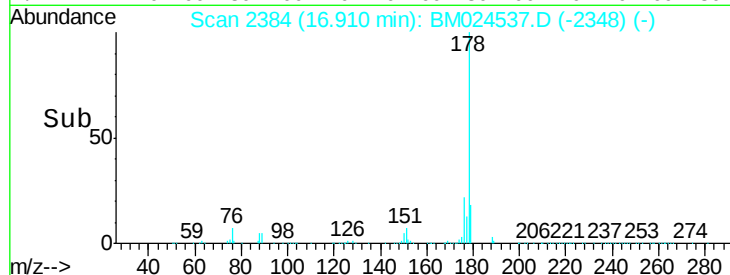
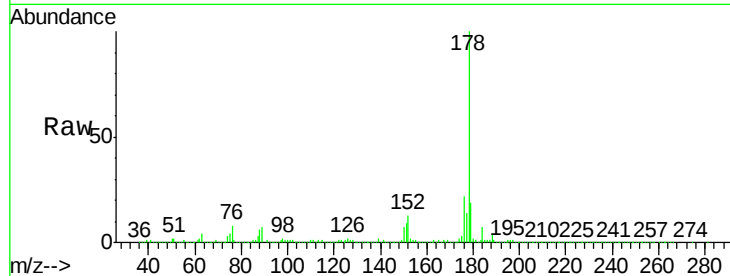
#70
Phenanthrene
Concen: 625.205 ng/ul m
RT: 16.91 min Scan# 2384
Delta R.T. 0.01 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion:178 Resp:45757617
Ion Ratio Lower Upper
178 100
179 19.5 12.3 18.5#
176 21.9 14.9 22.3

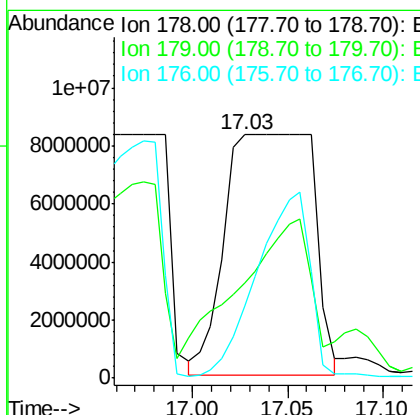
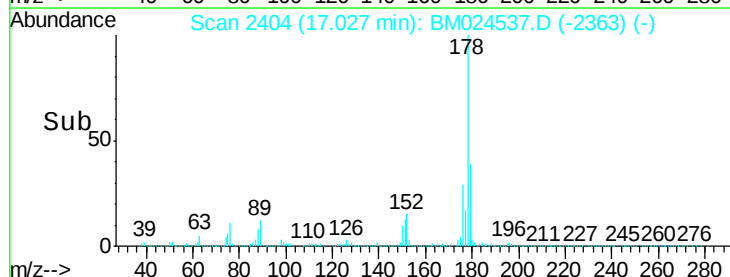
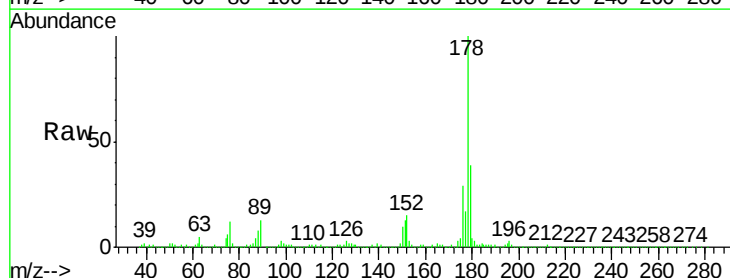
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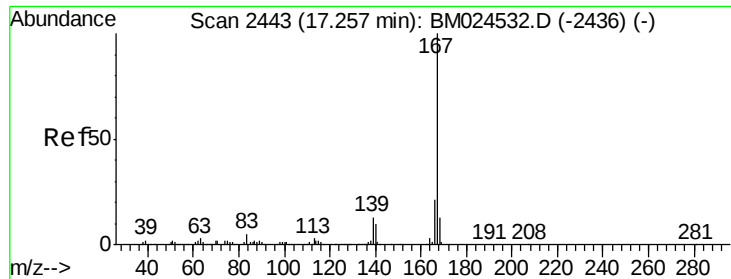
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#72
Anthracene
Concen: 354.791 ng/ul m
RT: 17.03 min Scan# 2404
Delta R.T. 0.04 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion:178 Resp:26479237
Ion Ratio Lower Upper
178 100
179 39.1 12.3 18.5#
176 29.5 14.6 22.0#





#75

Carbazole

Concen: 276.668 ng/ul m

RT: 17.29 min Scan# 2448

Delta R.T. 0.03 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

Instrument :

BNA_M

ClientSampleId :

GASH0

Tot Ion:167 Resp:17374121

Ion Ratio Lower Upper

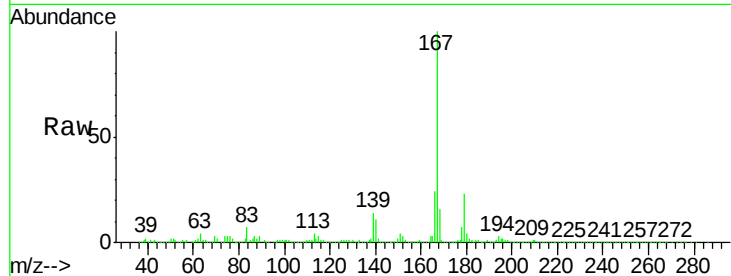
167 100

166 24.1 17.1 25.7

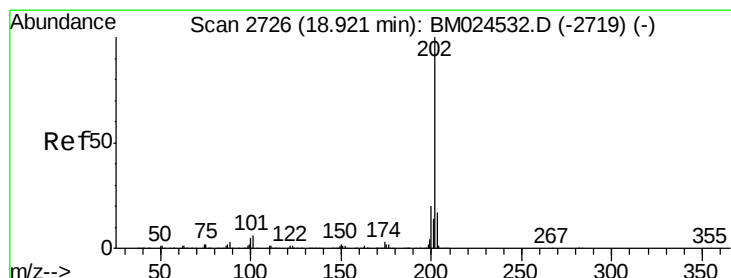
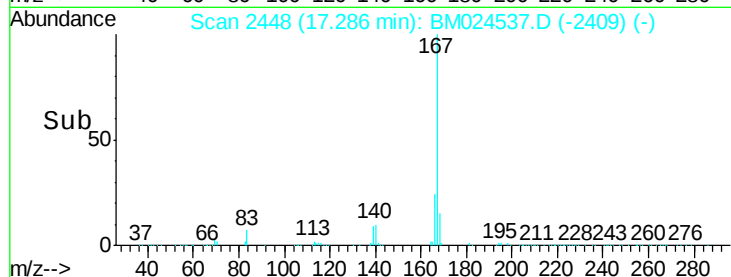
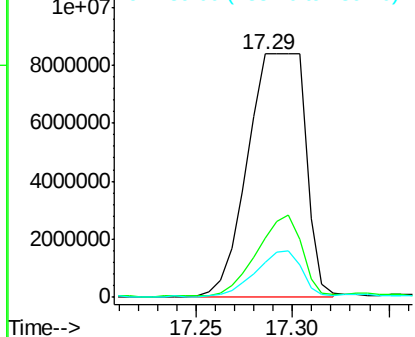
139 14.2 10.6 15.8

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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



#77

Fluoranthene

Concen: 412.917 ng/ul m

RT: 18.95 min Scan# 2731

Delta R.T. 0.03 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

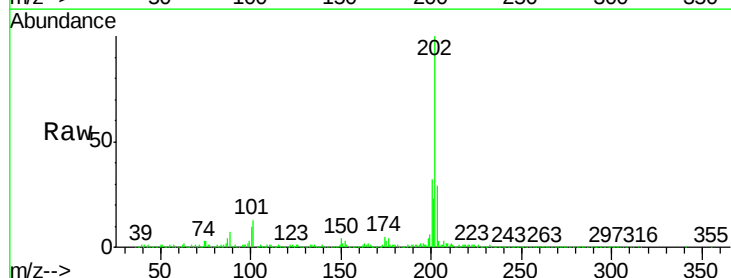
Tgt Ion:202 Resp:36935465

Ion Ratio Lower Upper

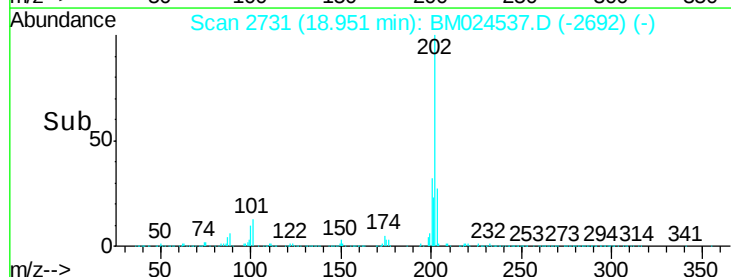
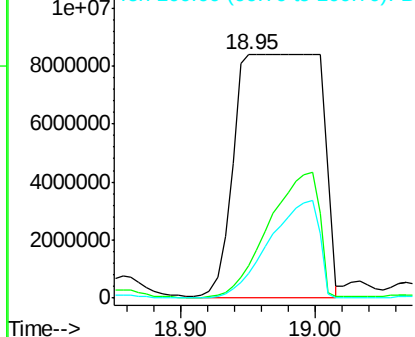
202 100

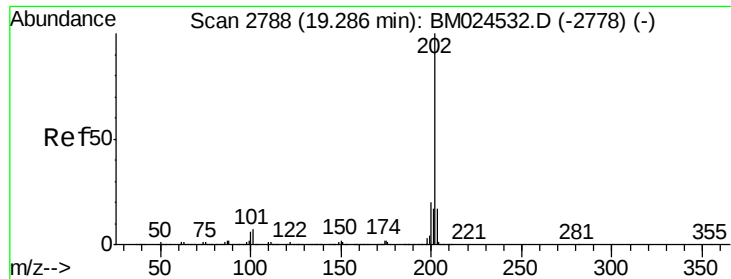
101 13.3 5.4 8.2#

100 10.4 4.3 6.5#



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





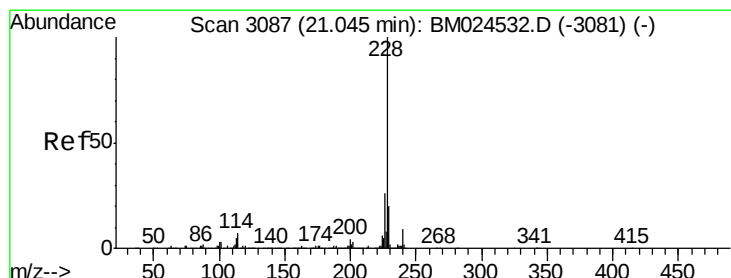
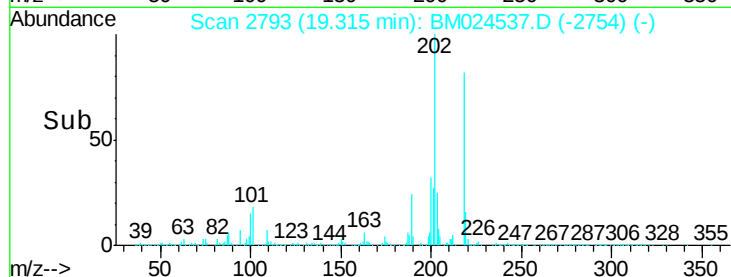
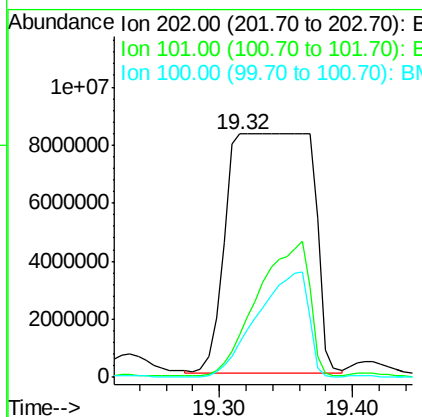
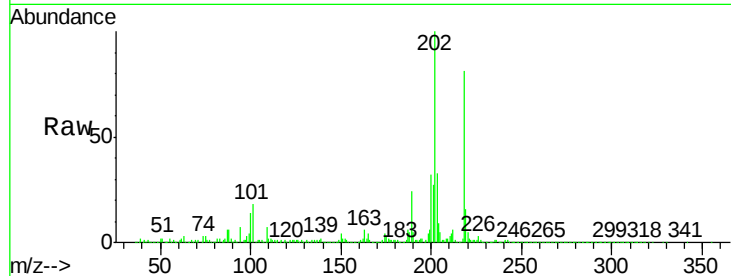
#80
Pvrene
Concen: 295.057 ng/ul m
RT: 19.32 min Scan# 2793
Delta R.T. 0.03 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion:202 Resp:36691733
Ion Ratio Lower Upper
202 100
101 17.6 6.5 9.7#
100 14.2 5.0 7.6#

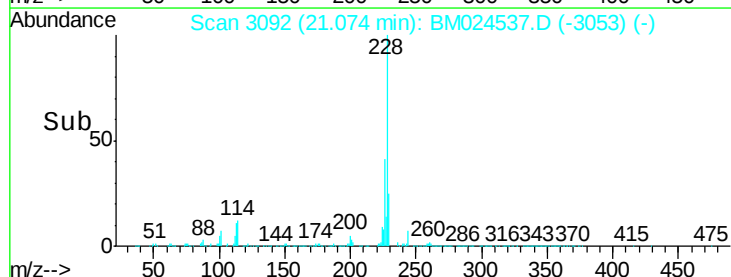
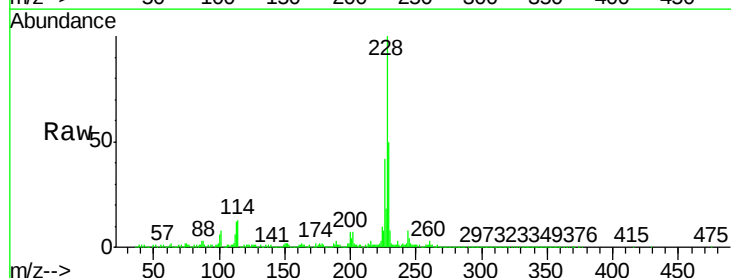
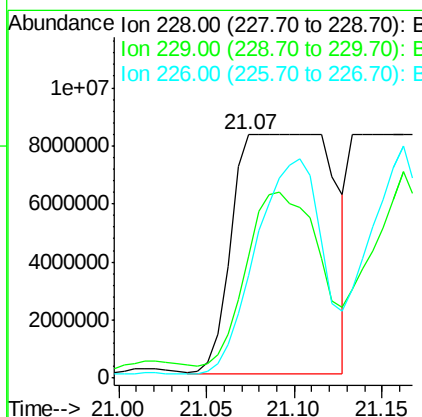
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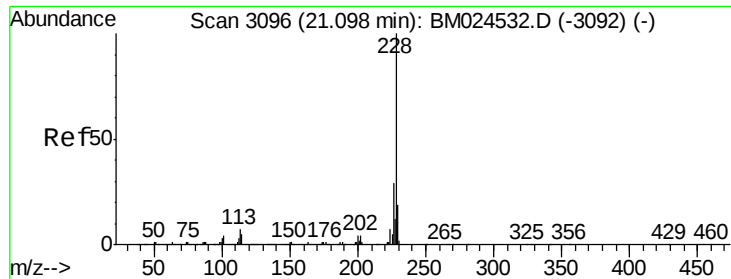
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#83
Benzo(a)anthracene
Concen: 262.129 ng/ul m
RT: 21.07 min Scan# 3092
Delta R.T. 0.03 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion:228 Resp:32436911
Ion Ratio Lower Upper
228 100
229 50.2 15.9 23.9#
226 42.2 21.1 31.7#





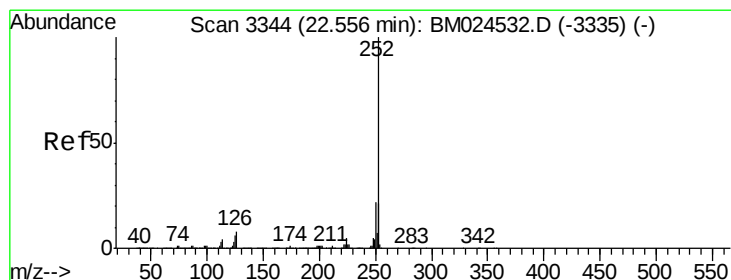
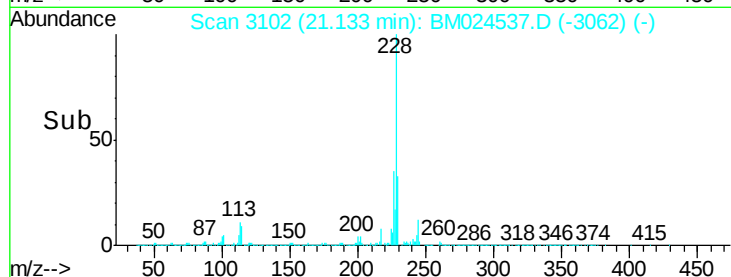
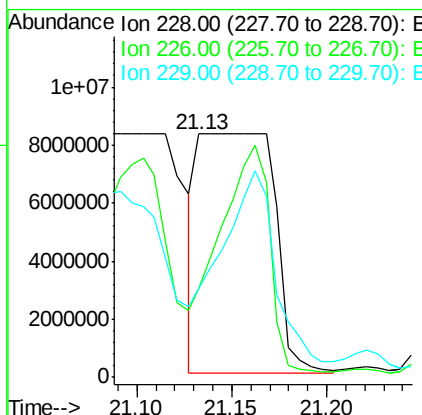
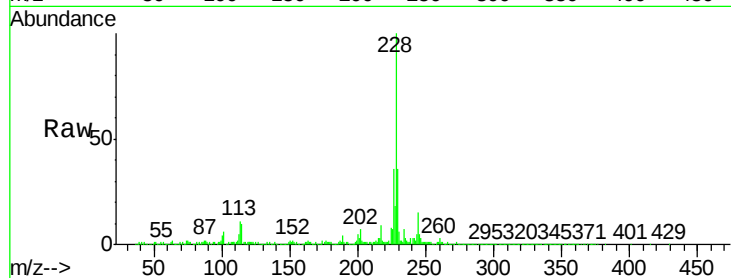
#85
 Chrysene
 Concen: 193.292 ng/ul m
 RT: 21.13 min Scan# 3102
 Delta R.T. 0.04 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Instrument :
 BNA_M
 ClientSampleId :
 GASH0

Tot Ion:228 Resp:23048011
 Ion Ratio Lower Upper
 228 100
 226 36.4 23.4 35.2#
 229 36.5 16.1 24.1#

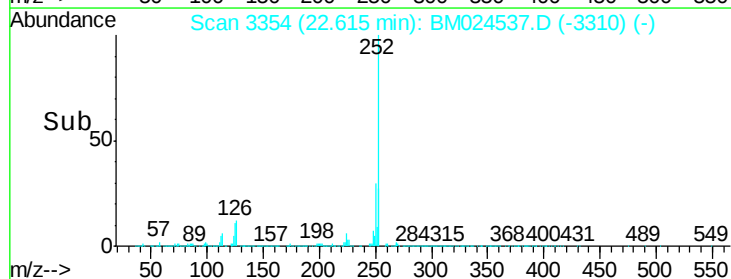
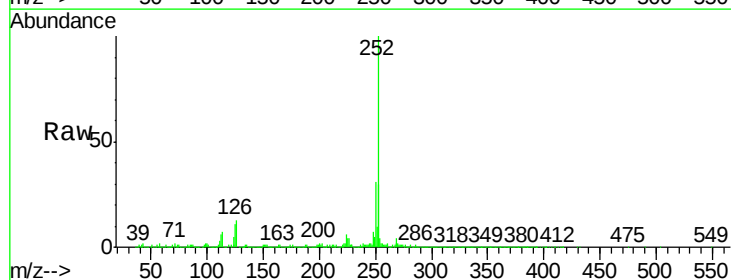
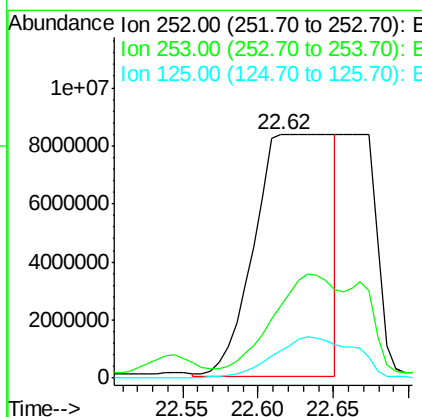
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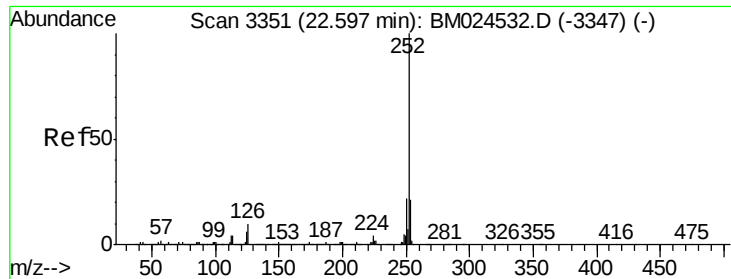
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 283.247 ng/ul m
 RT: 22.62 min Scan# 3354
 Delta R.T. 0.06 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Tgt Ion:252 Resp:29552084
 Ion Ratio Lower Upper
 252 100
 253 29.7 17.8 26.6#
 125 11.0 5.3 7.9#





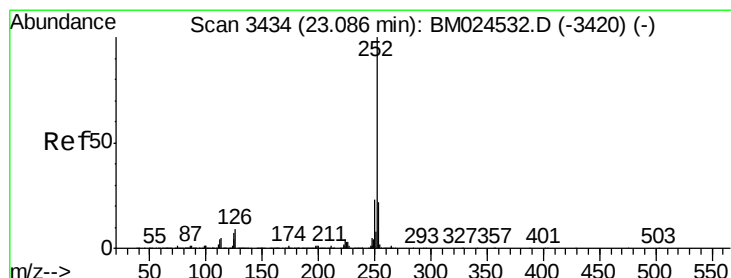
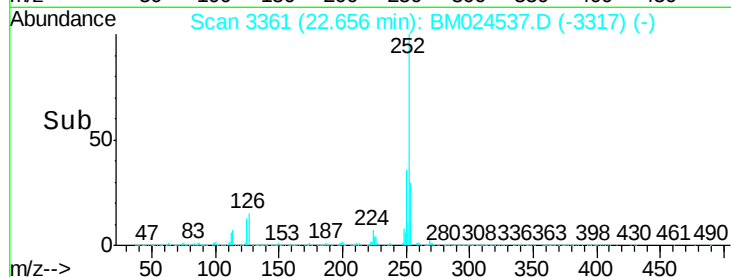
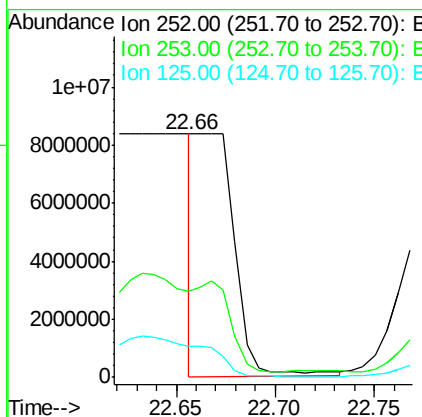
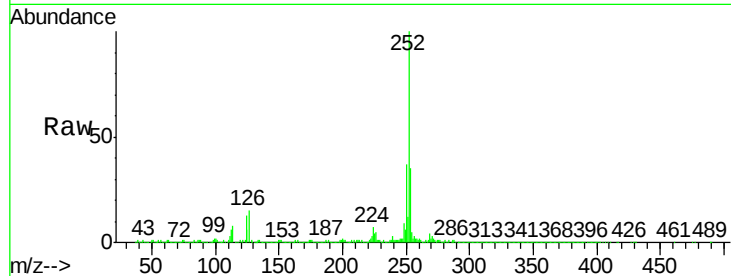
#89
Benzo(k)fluoranthene
Concen: 109.871 ng/ul m
RT: 22.66 min Scan# 3361
Delta R.T. 0.06 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Instrument :
BNA_M
ClientSampleId :
GASH0

Tot Ion:252 Resp:11265847
Ion Ratio Lower Upper
252 100
253 35.2 17.1 25.7#
125 12.8 5.2 7.8#

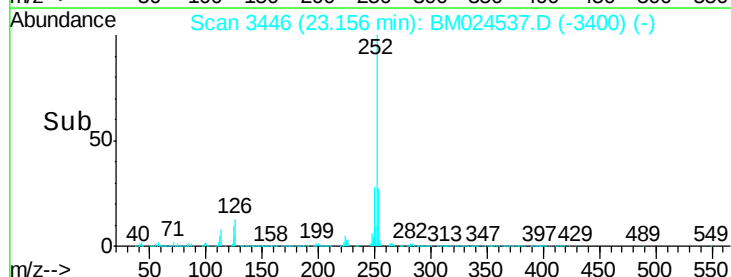
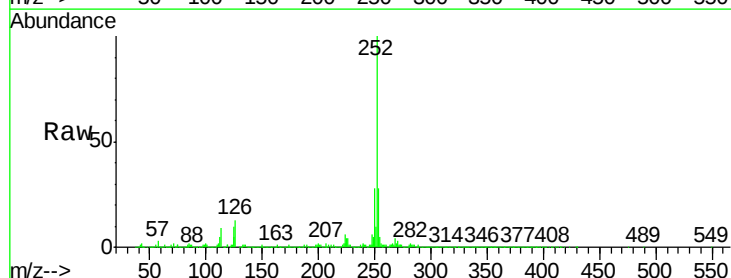
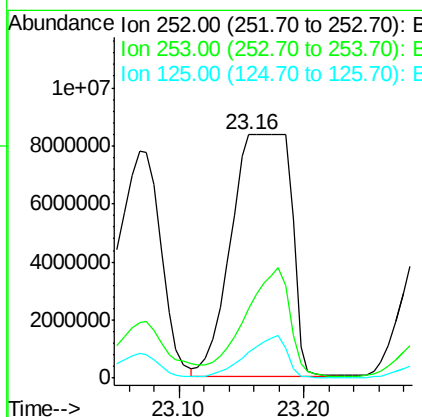
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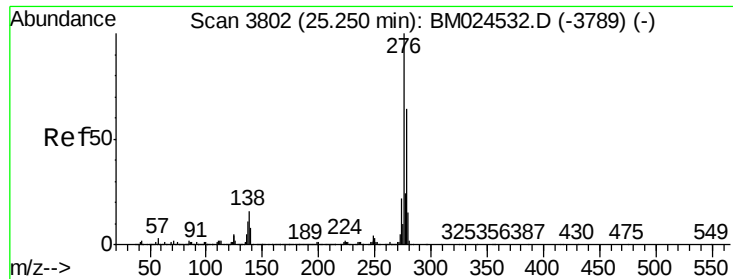
mohammad
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#91
Benzo(a)pyrene
Concen: 304.949 ng/ul m
RT: 23.16 min Scan# 3446
Delta R.T. 0.07 min
Lab File: BM024537.D
Acq: 18 Jan 2020 16:00

Tgt Ion:252 Resp:27649295
Ion Ratio Lower Upper
252 100
253 28.3 17.5 26.3#
125 10.4 5.7 8.5#





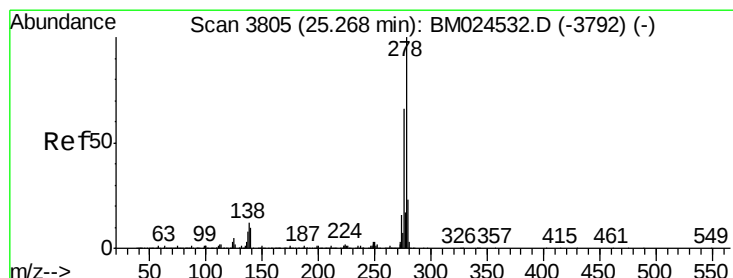
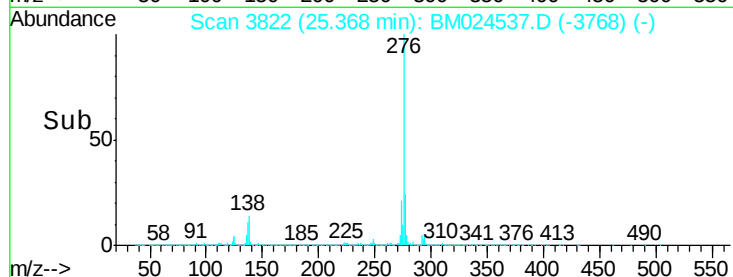
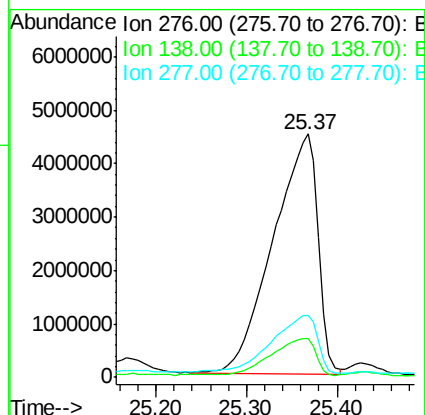
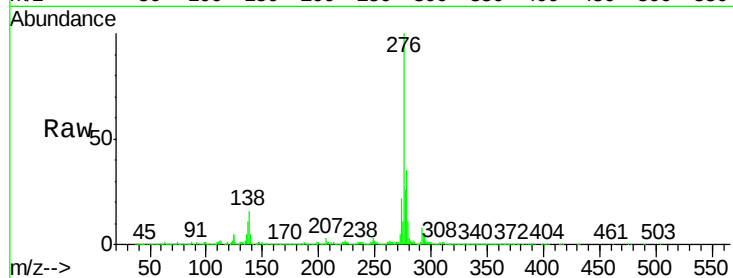
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 163.175 ng/ul
 RT: 25.37 min Scan# 3822
 Delta R.T. 0.12 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Instrument :
 BNA_M
 ClientSampleId :
 GASH0

Tot Ion:276 Resp:15480278
 Ion Ratio Lower Upper
 276 100
 138 16.0 12.5 18.7
 277 25.7 19.0 28.6

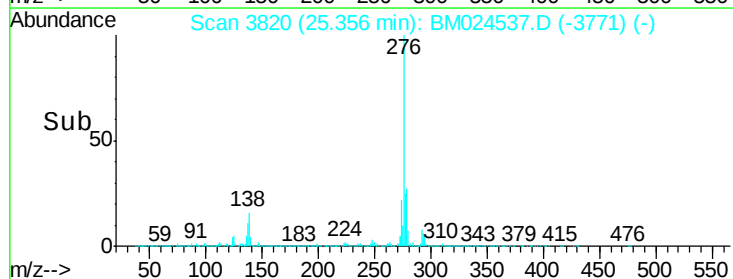
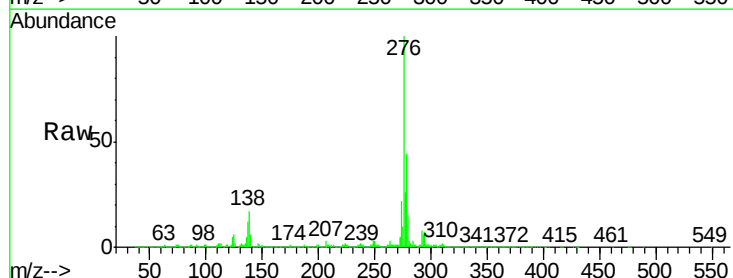
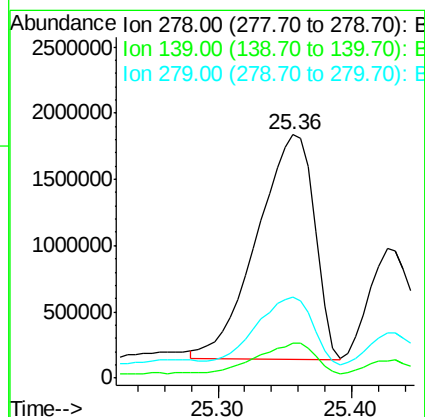
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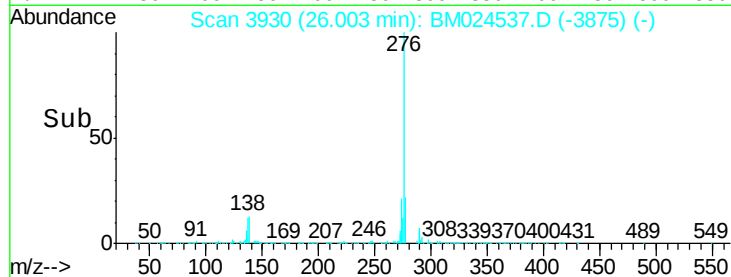
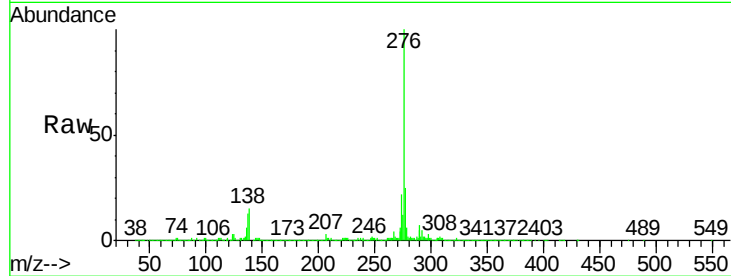
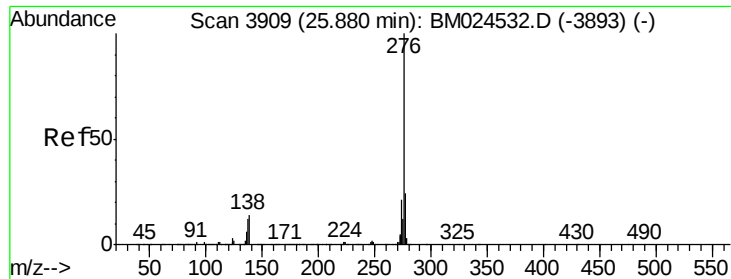
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#93
 Dibenzo(a,h)anthracene
 Concen: 63.084 ng/ul
 RT: 25.36 min Scan# 3820
 Delta R.T. 0.09 min
 Lab File: BM024537.D
 Acq: 18 Jan 2020 16:00

Tgt Ion:278 Resp: 5079257
 Ion Ratio Lower Upper
 278 100
 139 14.3 8.7 13.1#
 279 33.6 18.6 27.8#





#94

Benzo(a,h,i)perylene

Concen: 151.769 ng/ul

RT: 26.00 min Scan# 3930

Delta R.T. 0.12 min

Lab File: BM024537.D

Acq: 18 Jan 2020 16:00

Tot Ion: 276 Resp: 11443016

Ion Ratio Lower Upper

276 100

138 15.2 12.2 18.2

277 25.3 18.8 28.2

Instrument :

BNA_M

ClientSampleId :

GASH0

Manual Integrations

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