

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
 Data File : BM024539.D
 Acq On : 18 Jan 2020 17:11
 Operator : JU
 Sample : L1109-09 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG8

Manual Integrations
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mohammad
 1/21/2020 7:59:57 AM

Quant Time: Jan 20 11:17:54 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	127876	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	574385	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	511461	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	1267045m	20.00	ng/ul	0.04
78) Chrysene-d12	21.12	240	1779844	20.00	ng/ul	0.06
86) Perylene-d12	23.24	264	1651760	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	1328m	0.51	ng/uL	0.00
5) Phenol-d5	6.65	99	44055	4.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	21419	4.07	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	37949	4.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	37766	4.32	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	17003	4.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	22865	5.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	45333	4.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	114240	10.45	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	175957	4.39	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	188647	4.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.34	143	46474	6.95	ng/ul	0.02
58) Fluorene-d10	15.11	176	158411	4.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.24	200	2787m	0.39	ng/ul	0.01
71) Anthracene-d10	17.00	188	297362m	5.05	ng/ul	0.05
79) Pyrene-d10	19.31	212	371890m	3.91	ng/ul	0.05
90) Benzo(a)pyrene-d12	23.12	264	361585	4.22	ng/ul	0.07

Target Compounds

					Ovalue
14) Acetophenone	8.27	105	130053	9.480	ng/ul 99
24) 2,4-Dimethylphenol	9.42	107	23869m	2.301	ng/ul
34) 2-Methylnaphthalene	11.89	142	76427	3.347	ng/ul 96
41) 1,1'-Biphenyl	12.93	154	2058967	55.449	ng/ul 100
45) Dimethylphthalate	13.58	163	41861	1.028	ng/ul# 88
48) Acenaphthylene	13.83	152	10204246	216.586	ng/ul 98
50) Acenaphthene	14.17	153	2917302	91.487	ng/ul 97
54) Dibenzofuran	14.52	168	13142008	281.330	ng/ul 95
59) Fluorene	15.18	166	14757590	373.645	ng/ul 99
65) N-Nitrosodiphenylamine	15.40	169	302570	8.598	ng/ul# 69
70) Phenanthrene	16.91	178	43666647m	639.042	ng/ul
72) Anthracene	17.02	178	19324218m	277.325	ng/ul
75) Carbazole	17.29	167	10434464	177.970	ng/ul 99
77) Fluoranthene	18.94	202	39912156m	477.909	ng/ul
80) Pyrene	19.32	202	40663163m	333.733	ng/ul
83) Benzo(a)anthracene	21.07	228	33193212m	273.771	ng/ul
85) Chrysene	21.13	228	25227267m	215.930	ng/ul
88) Benzo(b)fluoranthene	22.62	252	29837958m	273.309	ng/ul
89) Benzo(k)fluoranthene	22.65	252	19318851m	180.056	ng/ul
91) Benzo(a)pyrene	23.16	252	29573994m	311.717	ng/ul
92) Indeno(1,2,3-cd)pyrene	25.39	276	23580689	237.541	ng/ul 98
93) Dibenz(a,h)anthracene	25.37	278	7734493m	91.804	ng/ul
94) Benzo(g,h,i)perylene	26.03	276	19234720	243.802	ng/ul 97

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

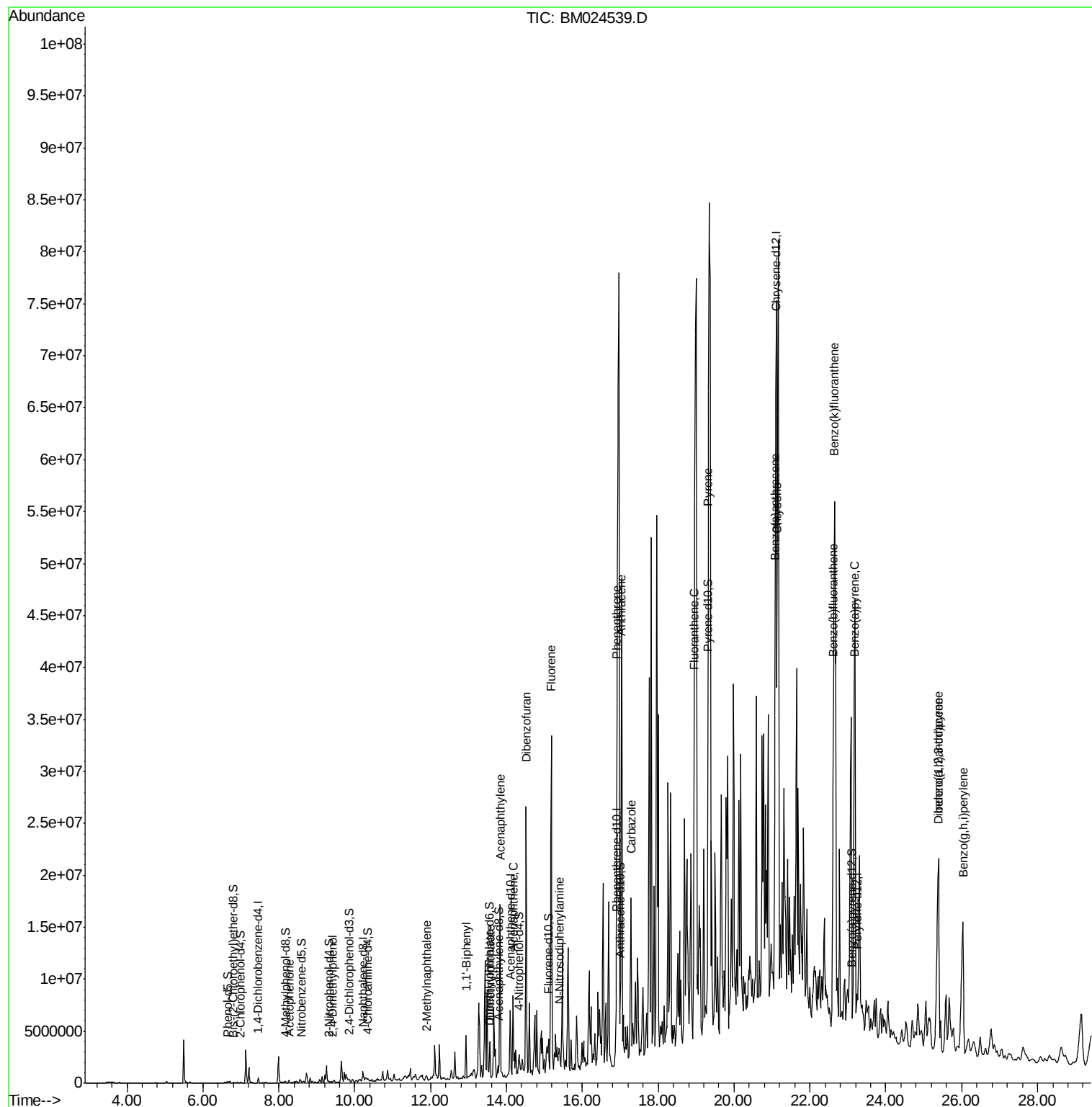
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011720\
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Acq On : 18 Jan 2020 17:11
Operator : JU
Sample : L1109-09 5X
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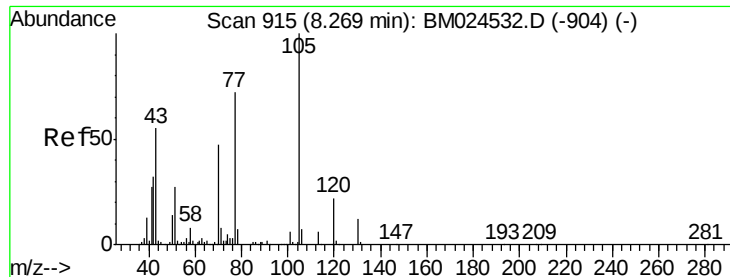
Instrument :
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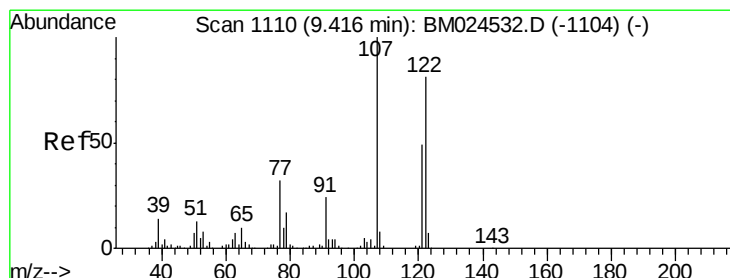
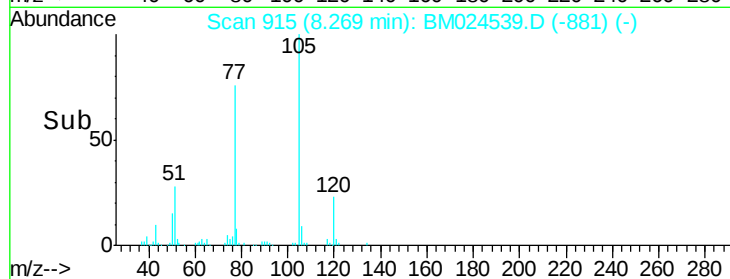
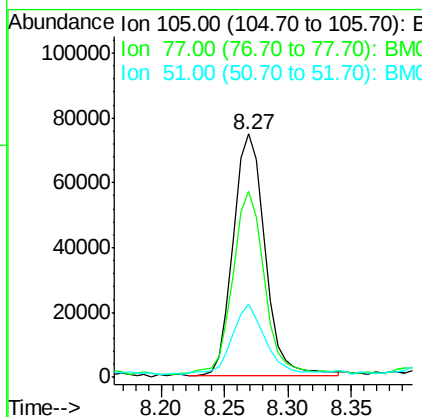
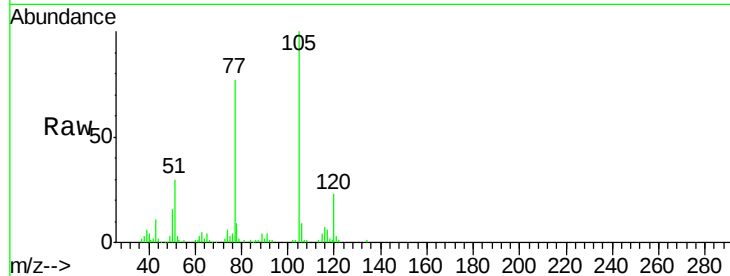
#14
Acetophenone
Concen: 9.480 ng/ul
RT: 8.27 min Scan# 915
Delta R.T. 0.00 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Instrument :
BNA_M
ClientSampleId :
GASG8

Tot Ion:	105	Resp:	130053
Ion Ratio	Lower	Upper	
105	100		
77	76.6	60.6	90.8
51	30.1	24.4	36.6

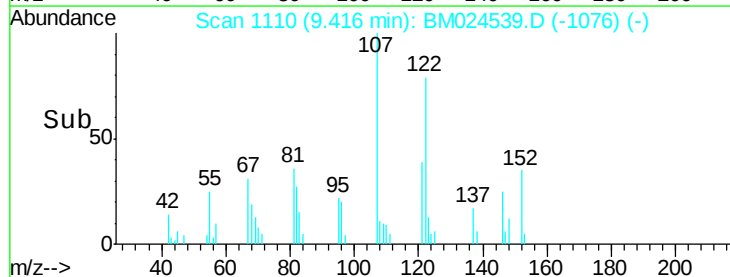
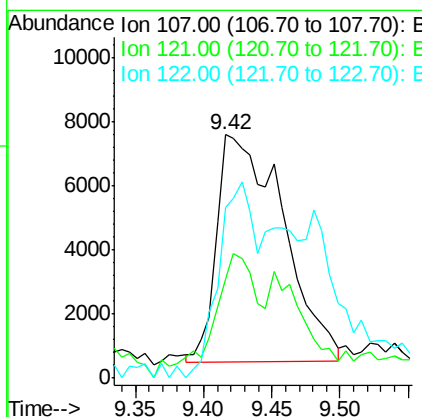
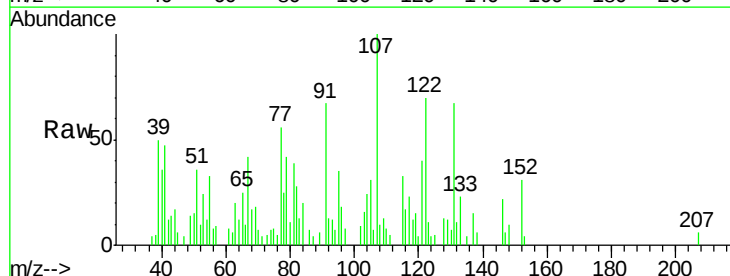
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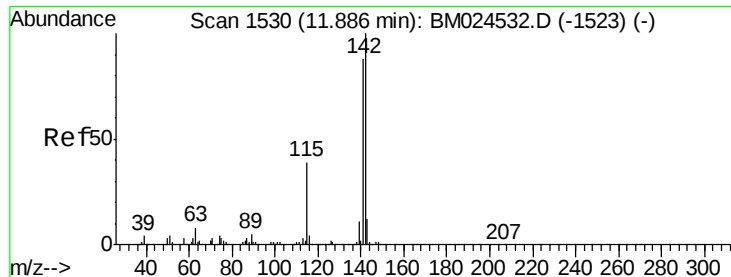
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#24
2,4-Dimethylphenol
Concen: 2.301 ng/ul m
RT: 9.42 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion:	107	Resp:	23869
Ion Ratio	Lower	Upper	
107	100		
121	40.4	38.4	57.6
122	70.0	64.3	96.5





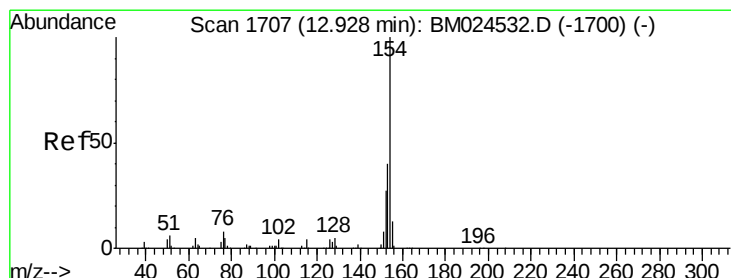
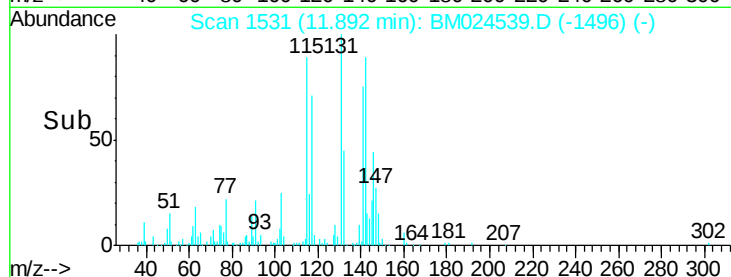
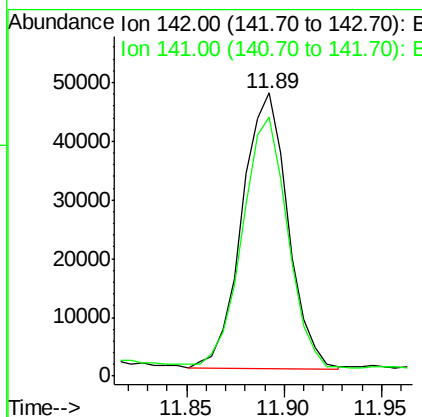
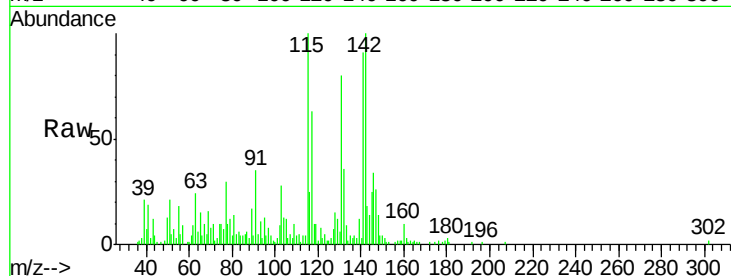
#34
 2-Methylnaphthalene
 Concen: 3.347 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: BM024539.D
 Acq: 18 Jan 2020 17:11

Instrument :
 BNA_M
 ClientSampled :
 GASG8

Tot Ion:142 Resp: 76427
 Ion Ratio Lower Upper
 142 100
 141 91.4 70.4 105.6

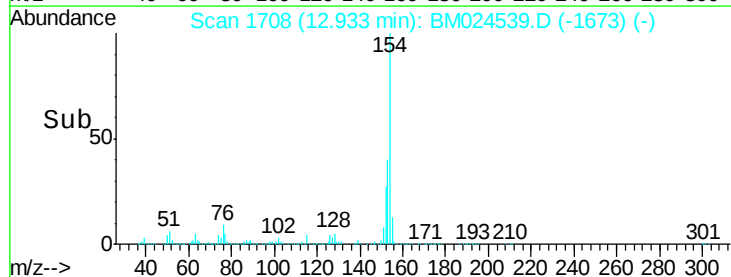
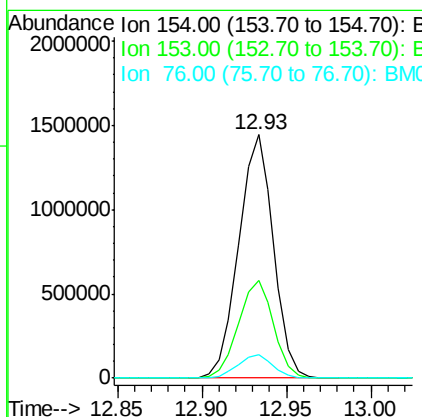
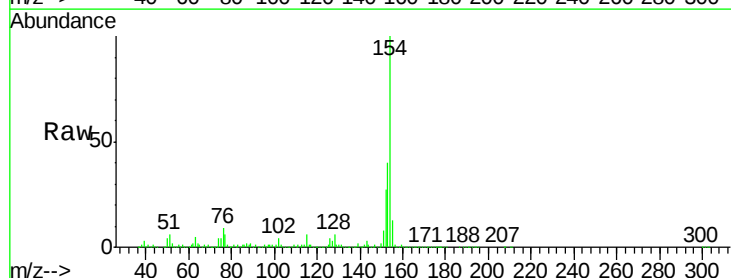
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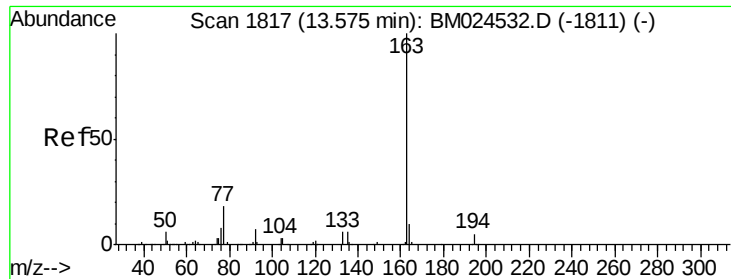
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#41
 1,1'-Biphenyl
 Concen: 55.449 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.01 min
 Lab File: BM024539.D
 Acq: 18 Jan 2020 17:11

Tgt Ion:154 Resp: 2058967
 Ion Ratio Lower Upper
 154 100
 153 40.3 32.3 48.5
 76 9.5 7.0 10.6





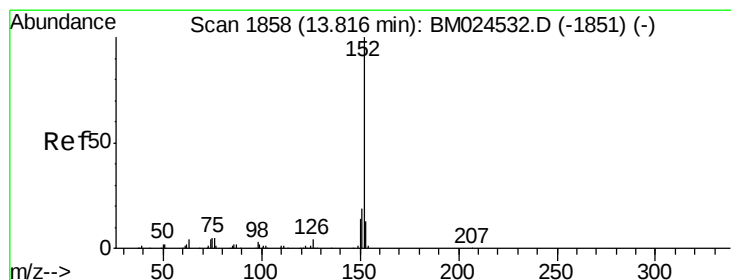
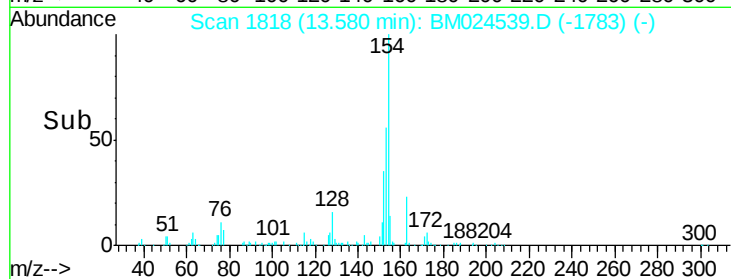
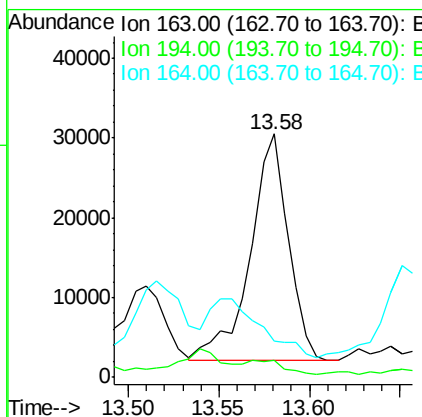
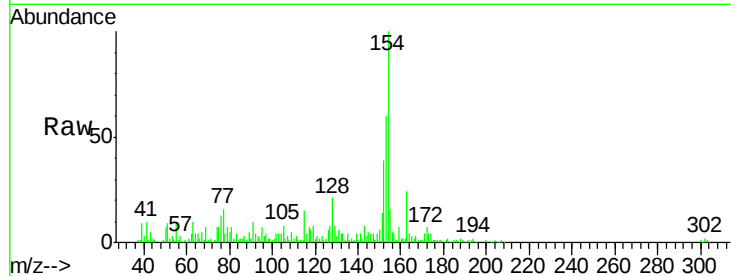
#45
Dimethylphthalate
Concen: 1.028 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Instrument :
BNA_M
ClientSampleId :
GASG8

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.8	3.4	5.0#
164	15.0	8.0	12.0#

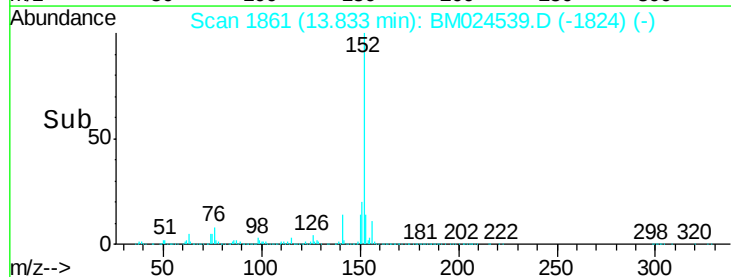
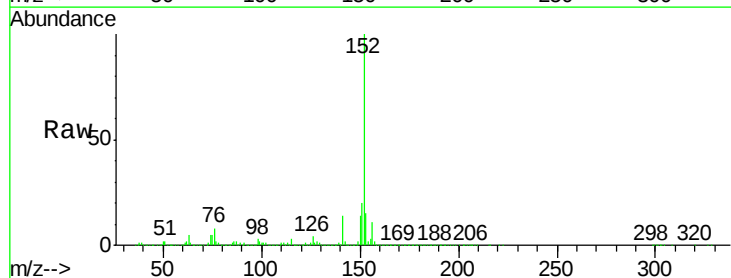
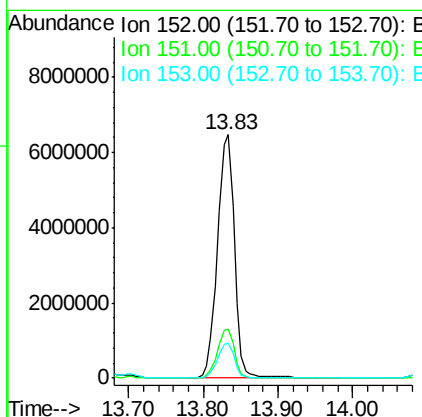
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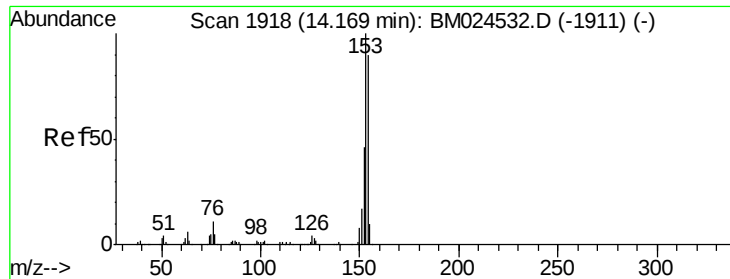
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#48
Acenaphthylene
Concen: 216.586 ng/ul
RT: 13.83 min Scan# 1861
Delta R.T. 0.02 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	14.6	10.3	15.5





#50

Acenaphthene

Concen: 91.487 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.01 min

Lab File: BM024539.D

Acq: 18 Jan 2020 17:11

Instrument :

BNA_M

ClientSampleId :

GASG8

Tot Ion:153 Resp: 2917302

Ion Ratio Lower Upper

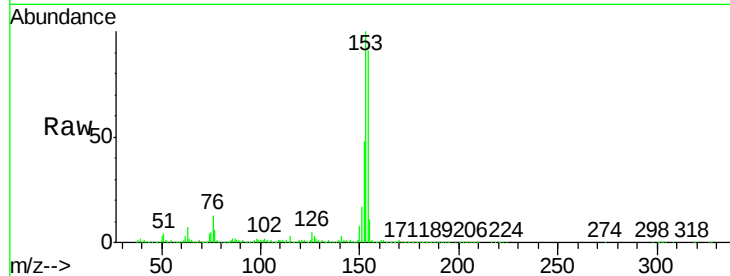
153 100

152 47.6 37.2 55.8

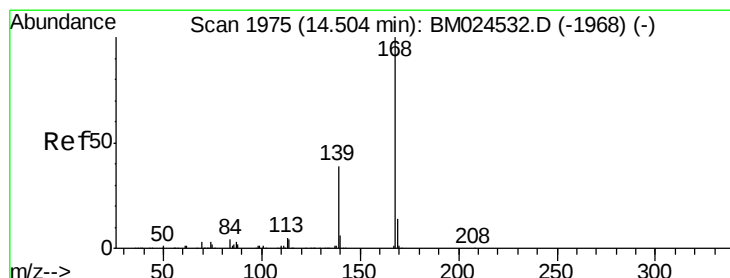
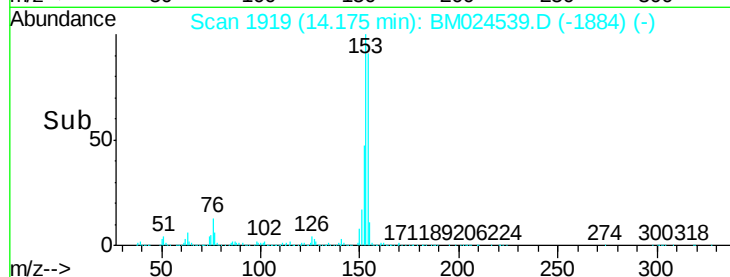
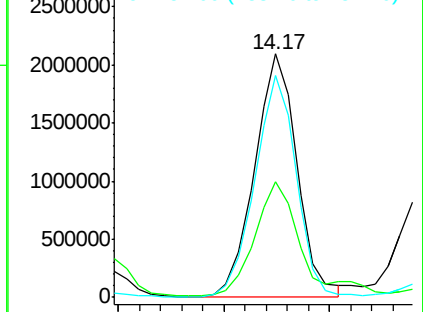
154 91.1 70.6 106.0

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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



#54

Dibenzofuran

Concen: 281.330 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.02 min

Lab File: BM024539.D

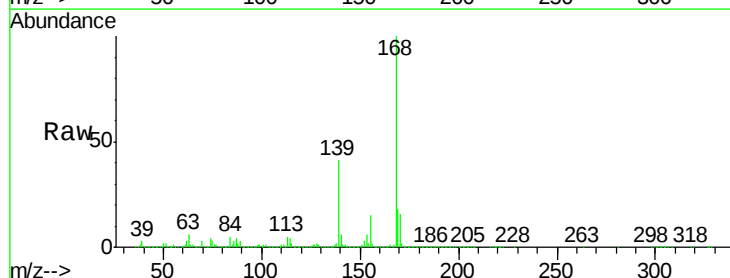
Acq: 18 Jan 2020 17:11

Tgt Ion:168 Resp:13142008

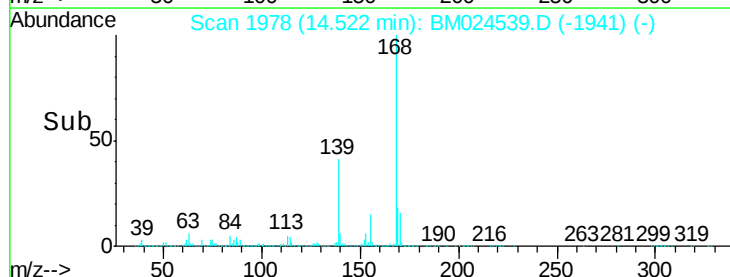
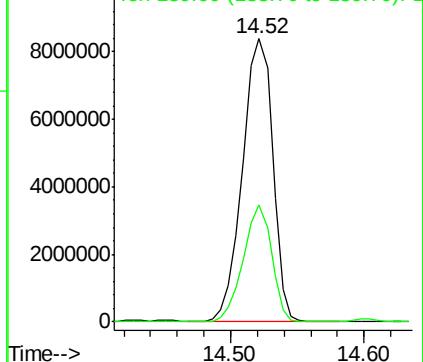
Ion Ratio Lower Upper

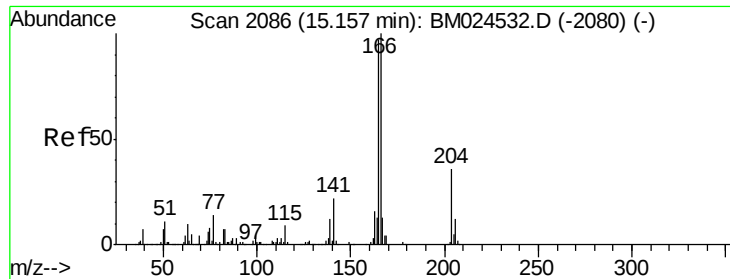
168 100

139 41.3 30.7 46.1



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





#59
Fluorene
 Concen: 373.645 ng/ul
 RT: 15.18 min Scan# 2090
 Delta R.T. 0.02 min
 Lab File: BM024539.D
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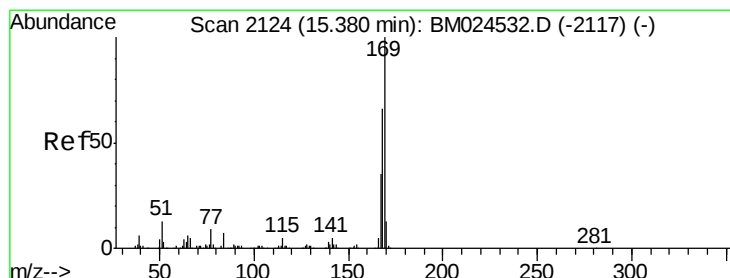
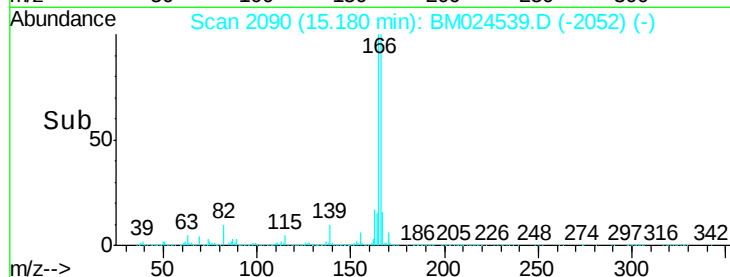
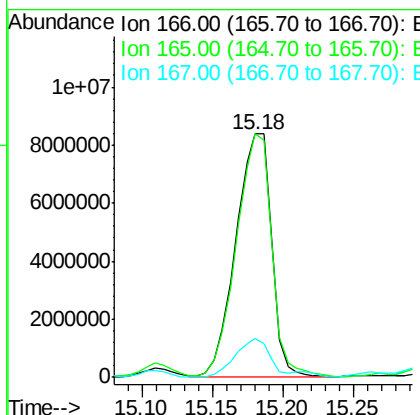
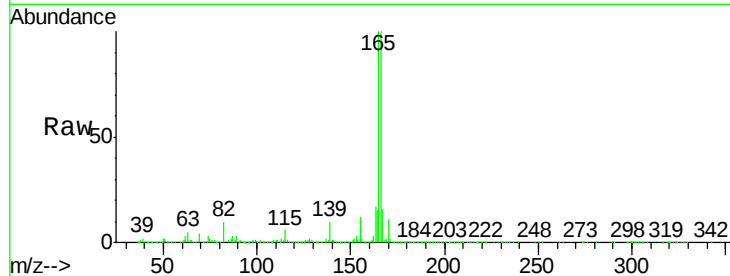
Instrument :
 BNA_M
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 GASG8

Tot Ion:166 Resp:14757590

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.6	119.4
167	16.0	10.8	16.2

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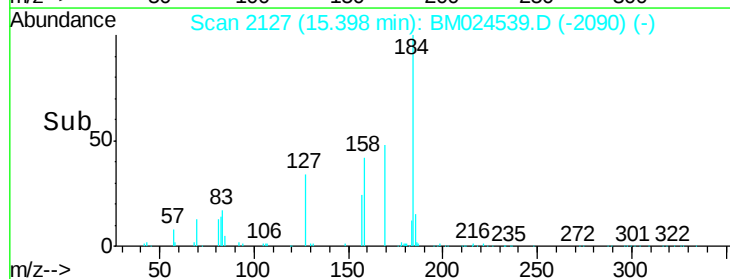
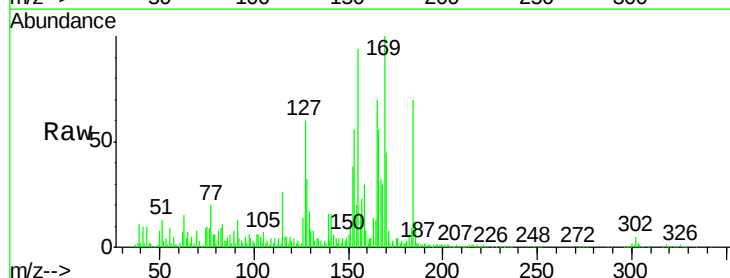
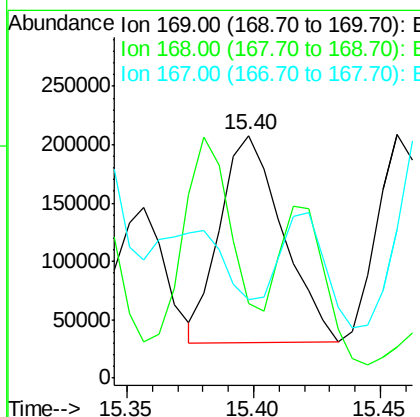
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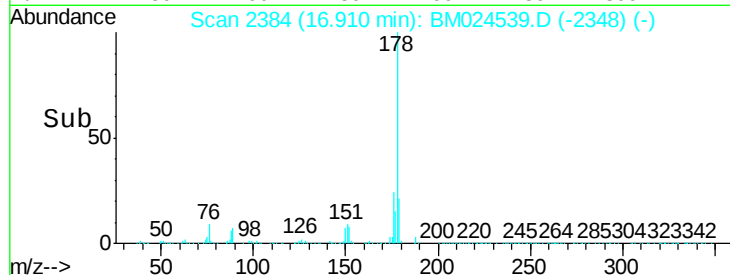
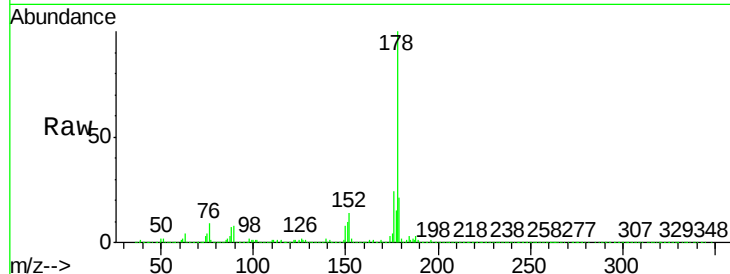
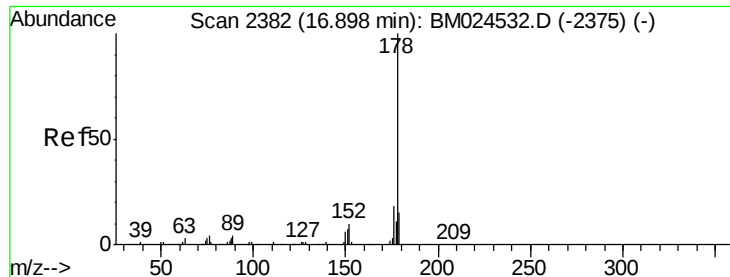


#65
N-Nitrosodiphenylamine
 Concen: 8.598 ng/ul
 RT: 15.40 min Scan# 2127
 Delta R.T. 0.02 min
 Lab File: BM024539.D
 Acq: 18 Jan 2020 17:11

Tgt Ion:169 Resp: 302570

Ion	Ratio	Lower	Upper
169	100		
168	30.5	52.6	79.0#
167	32.5	28.3	42.5





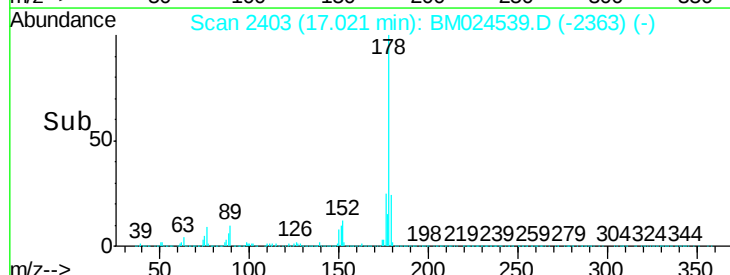
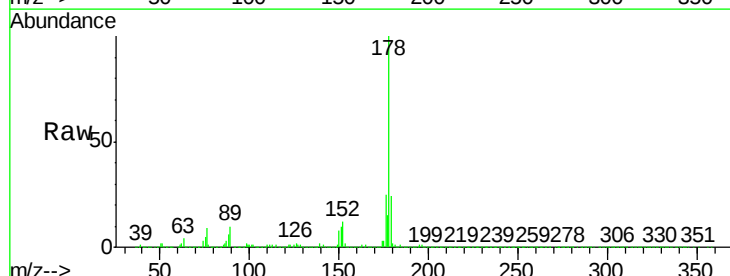
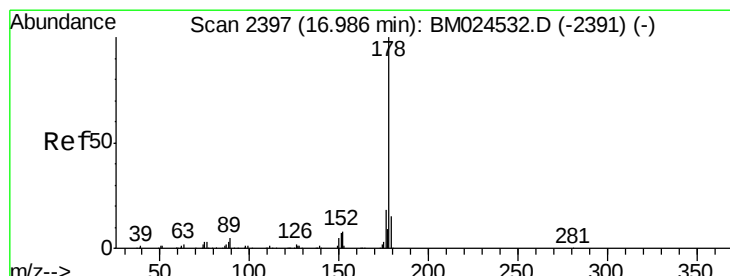
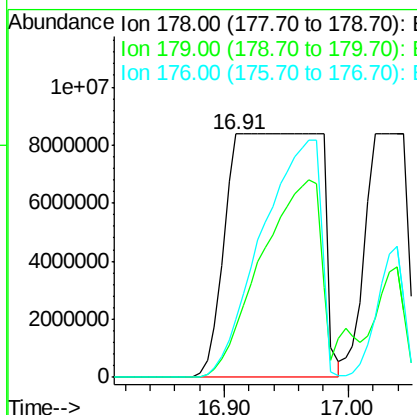
#70
Phenanthrene
Concen: 639.042 ng/ul m
RT: 16.91 min Scan# 2384
Delta R.T. 0.01 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tot Ion:178 Resp:43666647
Ion Ratio Lower Upper
178 100
179 20.7 12.3 18.5#
176 24.1 14.9 22.3#

Instrument :
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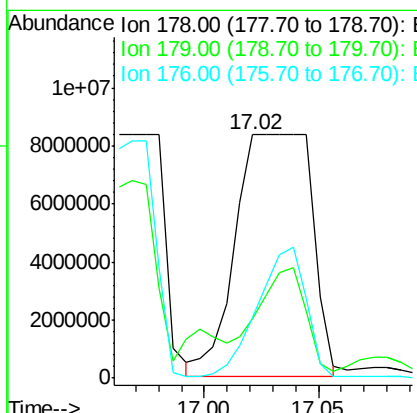
Manual Integrations
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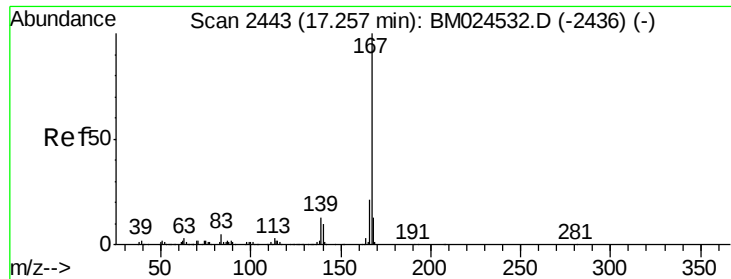
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#72
Anthracene
Concen: 277.325 ng/ul m
RT: 17.02 min Scan# 2403
Delta R.T. 0.04 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion:178 Resp:19324218
Ion Ratio Lower Upper
178 100
179 24.4 12.3 18.5#
176 25.1 14.6 22.0#





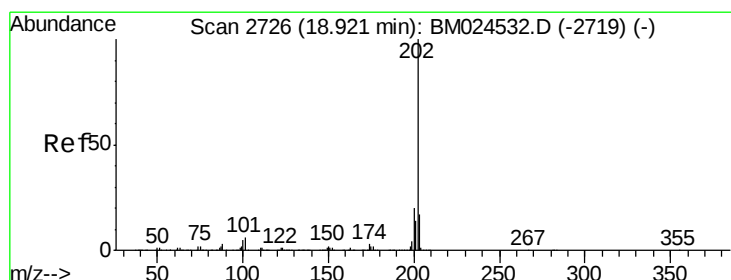
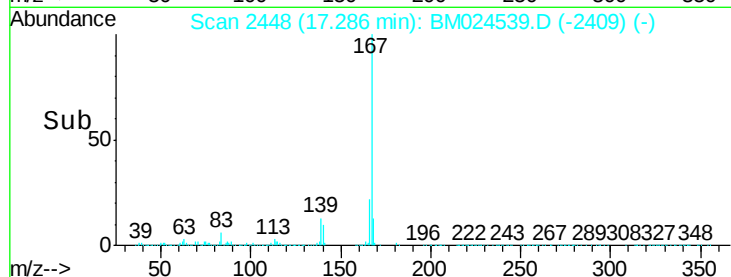
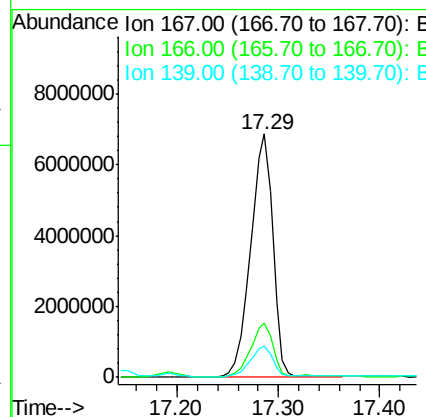
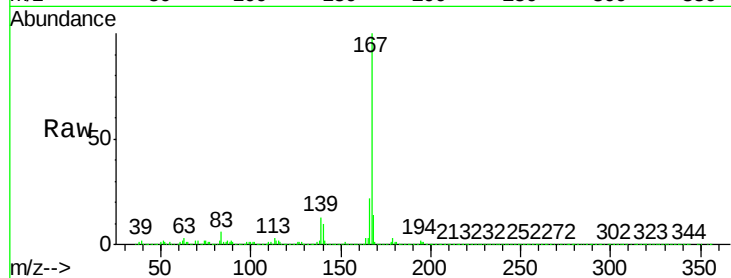
#75
 Carbazole
 Concen: 177.970 ng/ul
 RT: 17.29 min Scan# 2448
 Delta R.T. 0.03 min
 Lab File: BM024539.D
 Acq: 18 Jan 2020 17:11

Instrument :
 BNA_M
 ClientSampleId :
 GASG8

Tot Ion:167 Resp:10434464
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 13.0 10.6 15.8

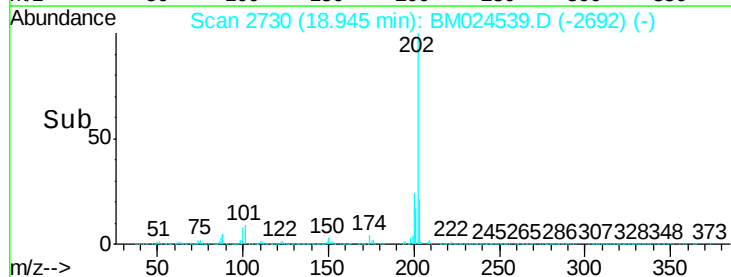
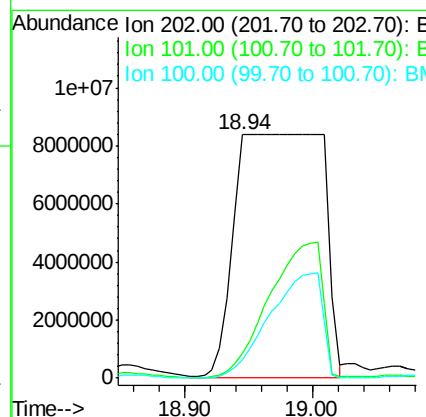
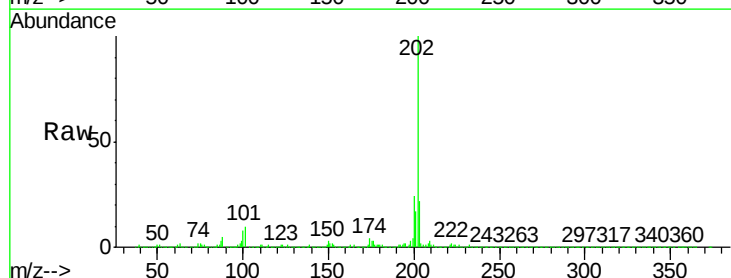
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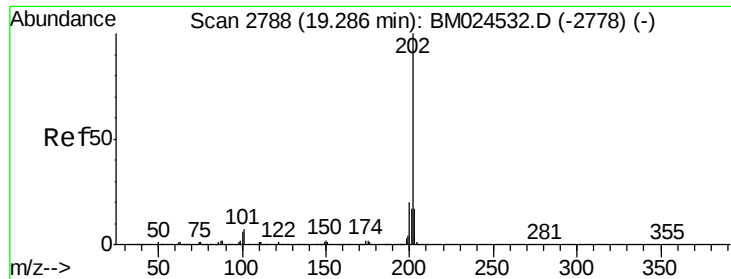
mohammad
 1/21/2020 7:59:57 AM



#77
 Fluoranthene
 Concen: 477.909 ng/ul m
 RT: 18.94 min Scan# 2730
 Delta R.T. 0.02 min
 Lab File: BM024539.D
 Acq: 18 Jan 2020 17:11

Tgt Ion:202 Resp:39912156
 Ion Ratio Lower Upper
 202 100
 101 10.0 5.4 8.2#
 100 7.7 4.3 6.5#





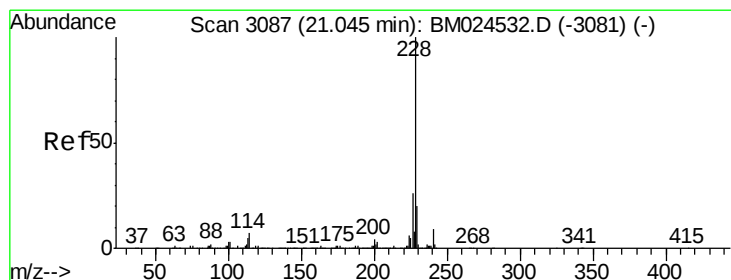
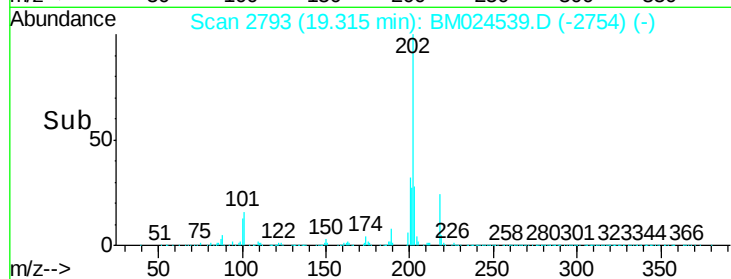
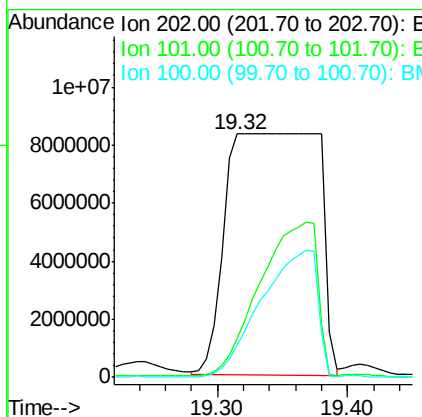
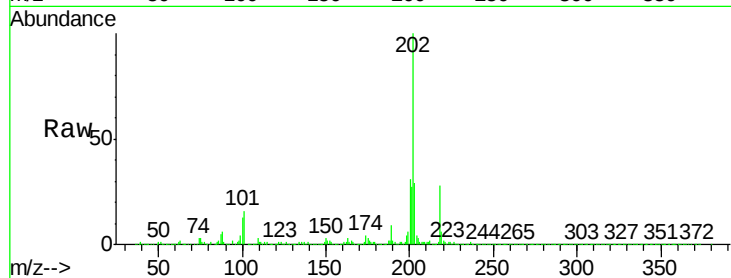
#80
Pvrene
Concen: 333.733 ng/ul m
RT: 19.32 min Scan# 2793
Delta R.T. 0.03 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Instrument :
BNA_M
ClientSampleId :
GASG8

Tot Ion:202 Resp:40663163
Ion Ratio Lower Upper
202 100
101 16.0 6.5 9.7#
100 13.4 5.0 7.6#

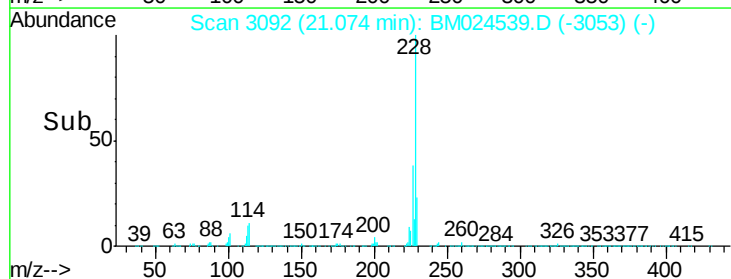
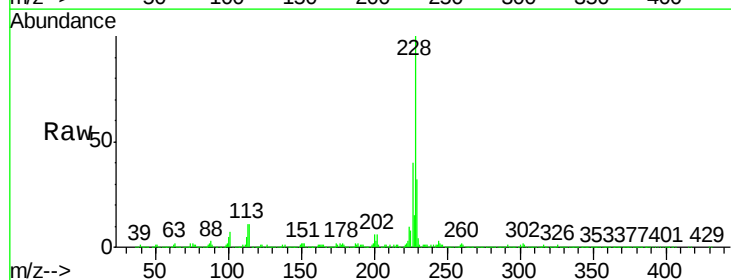
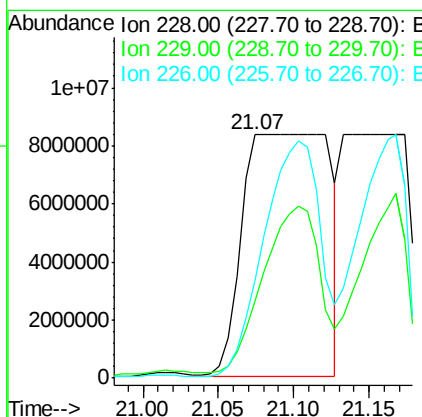
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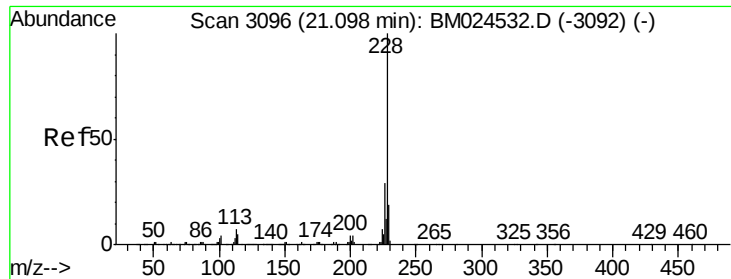
mohammad
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#83
Benzo(a)anthracene
Concen: 273.771 ng/ul m
RT: 21.07 min Scan# 3092
Delta R.T. 0.03 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion:228 Resp:33193212
Ion Ratio Lower Upper
228 100
229 31.5 15.9 23.9#
226 40.2 21.1 31.7#





#85

Chrysene

Concen: 215.930 ng/ul m

RT: 21.13 min Scan# 3102

Delta R.T. 0.04 min

Lab File: BM024539.D

Acq: 18 Jan 2020 17:11

Instrument :

BNA_M

ClientSampleId :

GASG8

Tot Ion:228 Resp:25227267

Ion Ratio Lower Upper

228 100

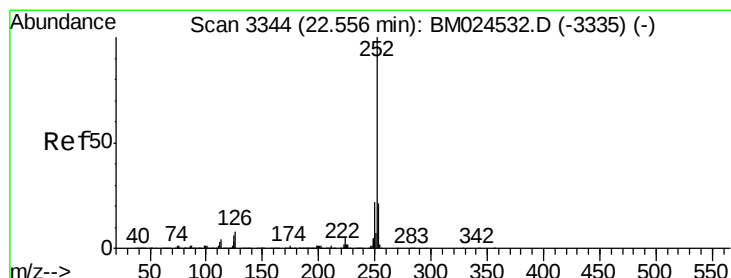
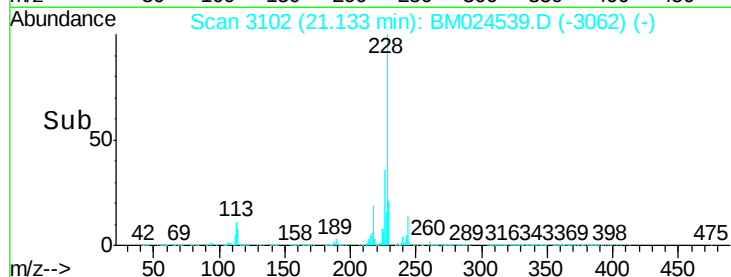
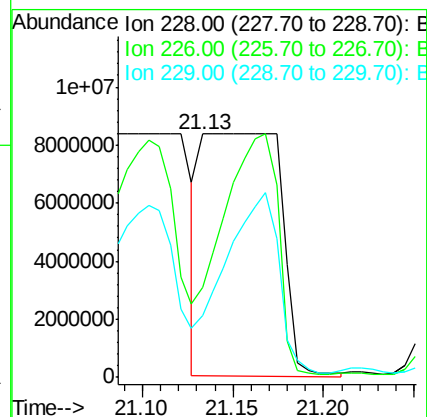
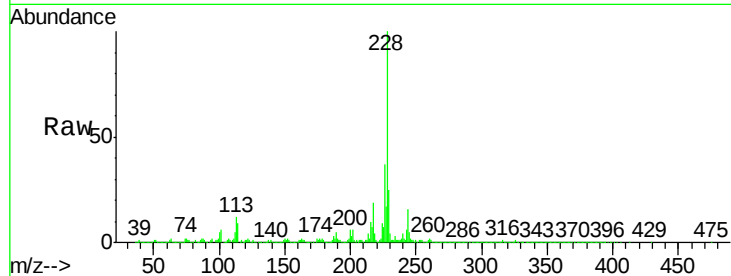
226 37.2 23.4 35.2#

229 25.4 16.1 24.1#

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#88

Benzo(b)fluoranthene

Concen: 273.309 ng/ul m

RT: 22.62 min Scan# 3354

Delta R.T. 0.06 min

Lab File: BM024539.D

Acq: 18 Jan 2020 17:11

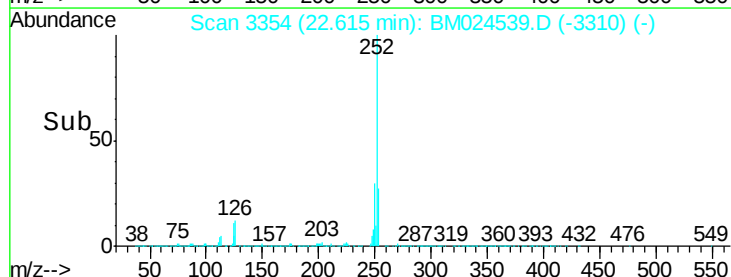
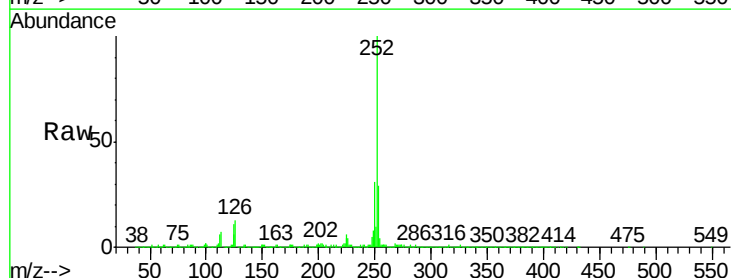
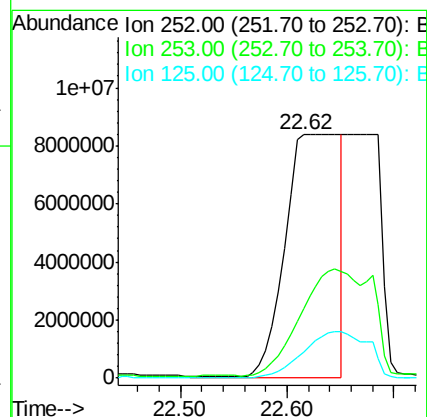
Tgt Ion:252 Resp:29837958

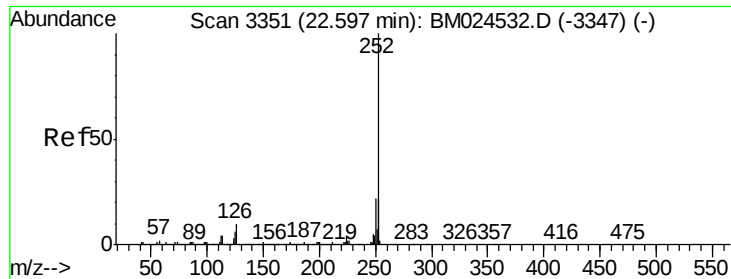
Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.6#

125 10.9 5.3 7.9#





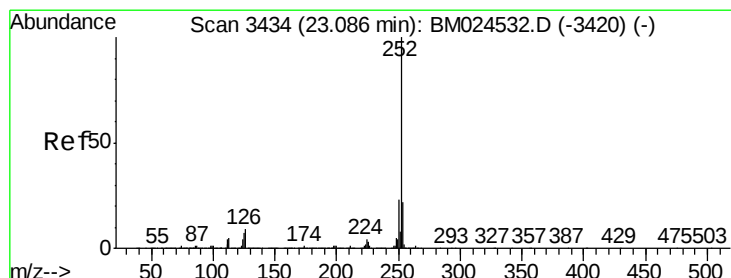
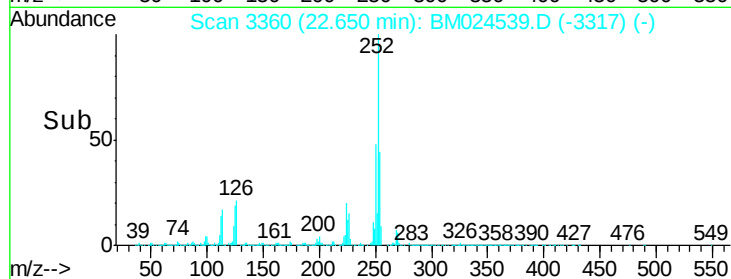
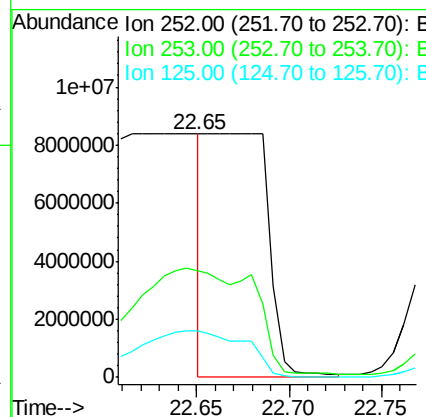
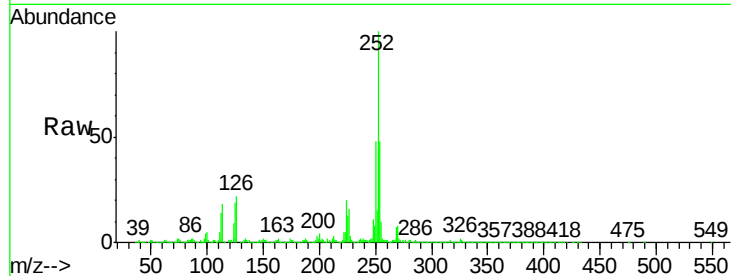
#89
Benzo(k)fluoranthene
Concen: 180.056 ng/ul m
RT: 22.65 min Scan# 3360
Delta R.T. 0.05 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Instrument :
BNA_M
ClientSampleId :
GASG8

Tot Ion:252 Resp:19318851
Ion Ratio Lower Upper
252 100
253 43.7 17.1 25.7#
125 18.9 5.2 7.8#

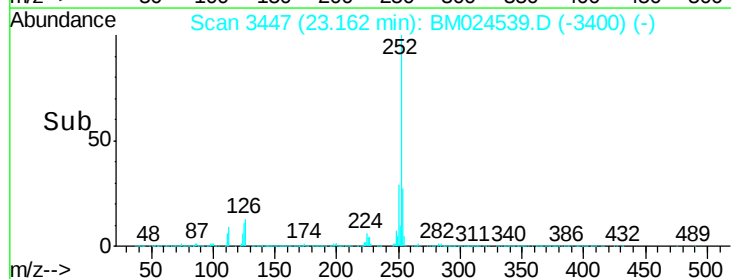
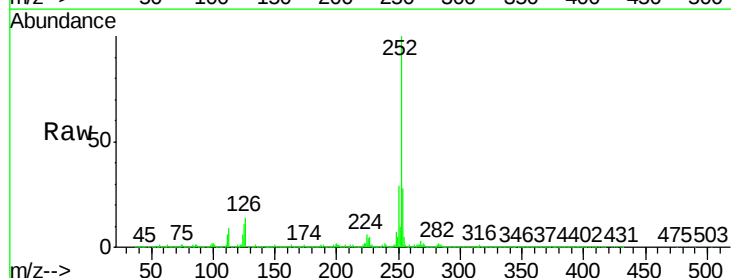
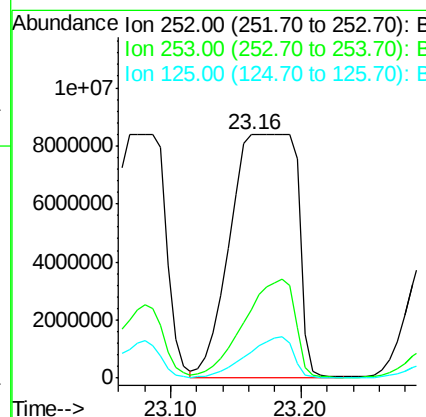
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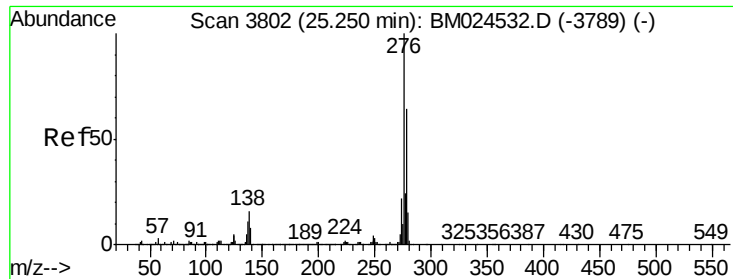
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#91
Benzo(a)pyrene
Concen: 311.717 ng/ul m
RT: 23.16 min Scan# 3447
Delta R.T. 0.08 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion:252 Resp:29573994
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 10.9 5.7 8.5#





#92

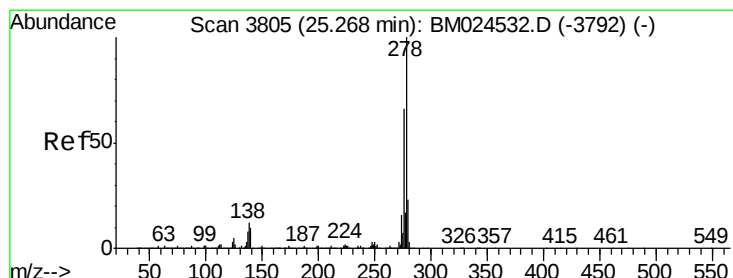
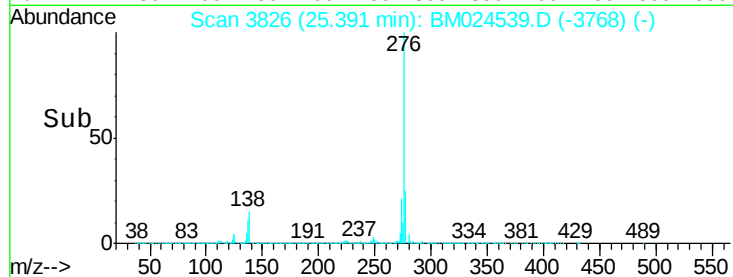
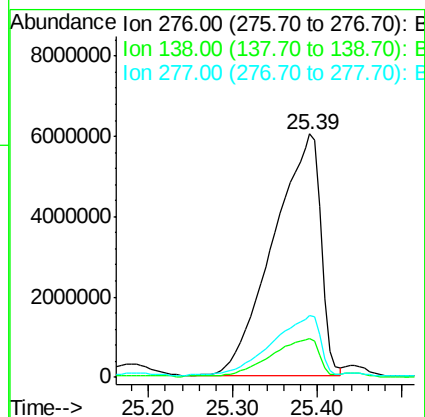
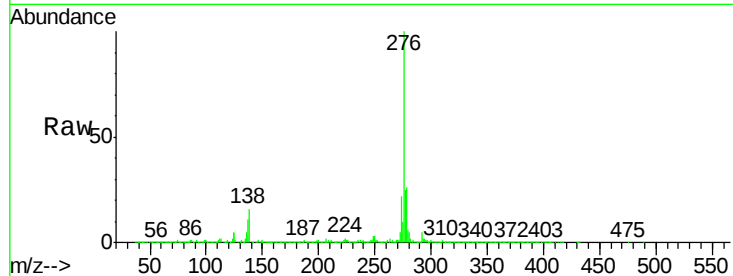
Indeno(1,2,3-cd)pyrene
Concen: 237.541 ng/ul
RT: 25.39 min Scan# 3826
Delta R.T. 0.14 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Instrument :
BNA_M
ClientSampleId :
GASG8

Tot Ion:276 Resp:23580689
Ion Ratio Lower Upper
276 100
138 16.1 12.5 18.7
277 25.3 19.0 28.6

Manual Integrations
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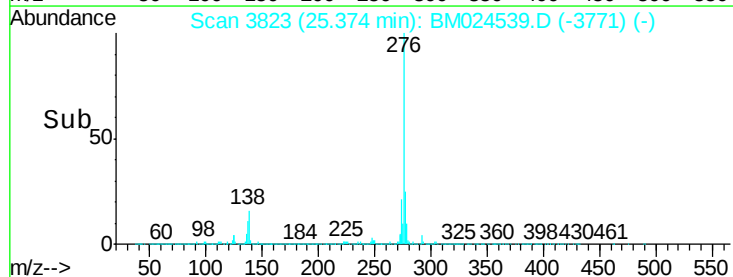
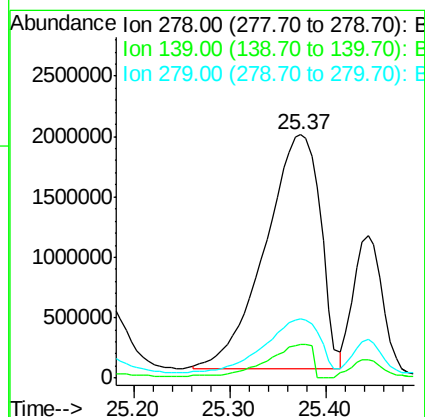
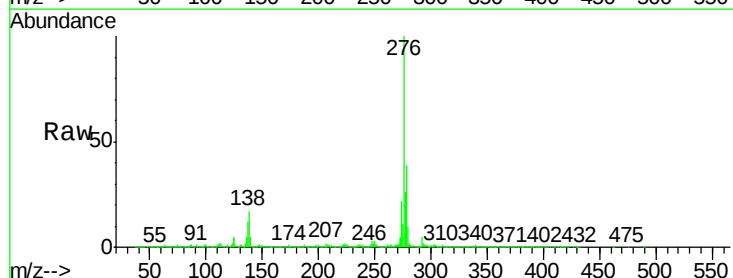
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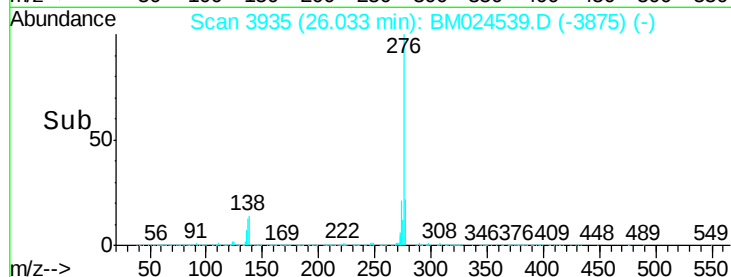
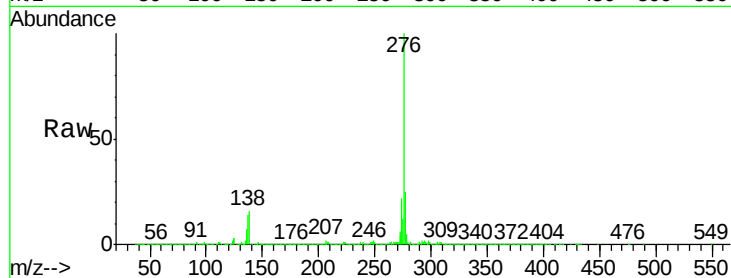
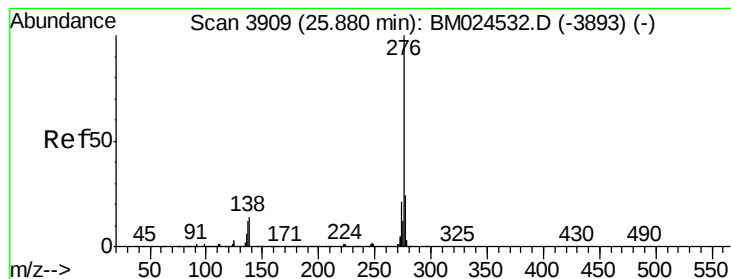


#93

Dibenzo(a,h)anthracene
Concen: 91.804 ng/ul m
RT: 25.37 min Scan# 3823
Delta R.T. 0.11 min
Lab File: BM024539.D
Acq: 18 Jan 2020 17:11

Tgt Ion:278 Resp: 7734493
Ion Ratio Lower Upper
278 100
139 13.7 8.7 13.1#
279 24.5 18.6 27.8





#94

Benzo(a,h,i)perylene

Concen: 243.802 ng/ul

RT: 26.03 min Scan# 3935

Delta R.T. 0.15 min

Lab File: BM024539.D

Acq: 18 Jan 2020 17:11

Tot Ion: 276 Resp: 19234720

Ion Ratio Lower Upper

276 100

138 16.3 12.2 18.2

277 24.8 18.8 28.2

Instrument :

BNA_M

ClientSampleId :

GASG8

Manual Integrations

APPROVED

mohammad

1/21/2020 7:59:57 AM

