

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
 Data File : BM024560.D
 Acq On : 21 Jan 2020 13:20
 Operator : JU
 Sample : L1109-10ME
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GASG9ME

Manual Integrations
 APPROVED

mohammad
 1/23/2020 7:57:27 AM

Quant Time: Jan 21 14:46:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 21 11:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	233277	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	994805	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.10	164	702151	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.86	188	1499581	20.00	ng/ul	0.00
78) Chrysene-d12	21.07	240	1363431	20.00	ng/ul	0.01
86) Perylene-d12	23.19	264	1164079	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	26668	5.59	ng/uL	0.00
5) Phenol-d5	6.65	99	563466	32.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	311853	32.47	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	504665	34.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	494020	30.99	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	265722	38.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	309664	40.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	568747	33.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	781972	41.28	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	1717054	31.21	ng/ul	0.00
47) Acenaphthylene-d8	13.79	160	2006080	31.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	297818	32.43	ng/ul	0.00
58) Fluorene-d10	15.10	176	1484516	30.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.24	200	241404	28.20	ng/ul	0.02
71) Anthracene-d10	16.96	188	2351524	33.72	ng/ul	0.01
79) Pyrene-d10	19.26	212	2683812	36.83	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.06	264	1999798	33.12	ng/ul	0.01

Target Compounds

					Ovalue
14) Acetophenone	8.26	105	69538	2.779 ng/ul#	67
28) Naphthalene	10.26	128	756572	14.845 ng/ul	100
34) 2-Methylnaphthalene	11.89	142	2908002	73.535 ng/ul	100
41) 1,1'-Biphenyl	12.93	154	1948292	38.219 ng/ul	99
48) Acenaphthylene	13.82	152	3692187	57.084 ng/ul	98
50) Acenaphthene	14.17	153	948711	21.672 ng/ul	100
54) Dibenzofuran	14.51	168	5083809	79.273 ng/ul	100
59) Fluorene	15.17	166	5267334	97.144 ng/ul	99
70) Phenanthrene	16.90	178	18219343m	225.286 ng/ul	
72) Anthracene	17.00	178	7577316	91.881 ng/ul	100
75) Carbazole	17.26	167	2044400	29.462 ng/ul	99
77) Fluoranthene	18.93	202	13762781m	139.241 ng/ul	
80) Pyrene	19.30	202	13385992m	143.416 ng/ul	
83) Benzo(a)anthracene	21.06	228	7283003	78.415 ng/ul	94
85) Chrysene	21.10	228	5720169	63.915 ng/ul	98
88) Benzo(b)fluoranthene	22.57	252	4166562	54.154 ng/ul	99
89) Benzo(k)fluoranthene	22.60	252	1619065m	21.412 ng/ul	
91) Benzo(a)pyrene	23.10	252	3480414	52.053 ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.26	276	1442675	20.621 ng/ul	98
93) Dibenz(a,h)anthracene	25.26	278	500870	8.436 ng/ul#	92
94) Benzo(a,h,i)perylene	25.89	276	1140229	20.507 ng/ul	98

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

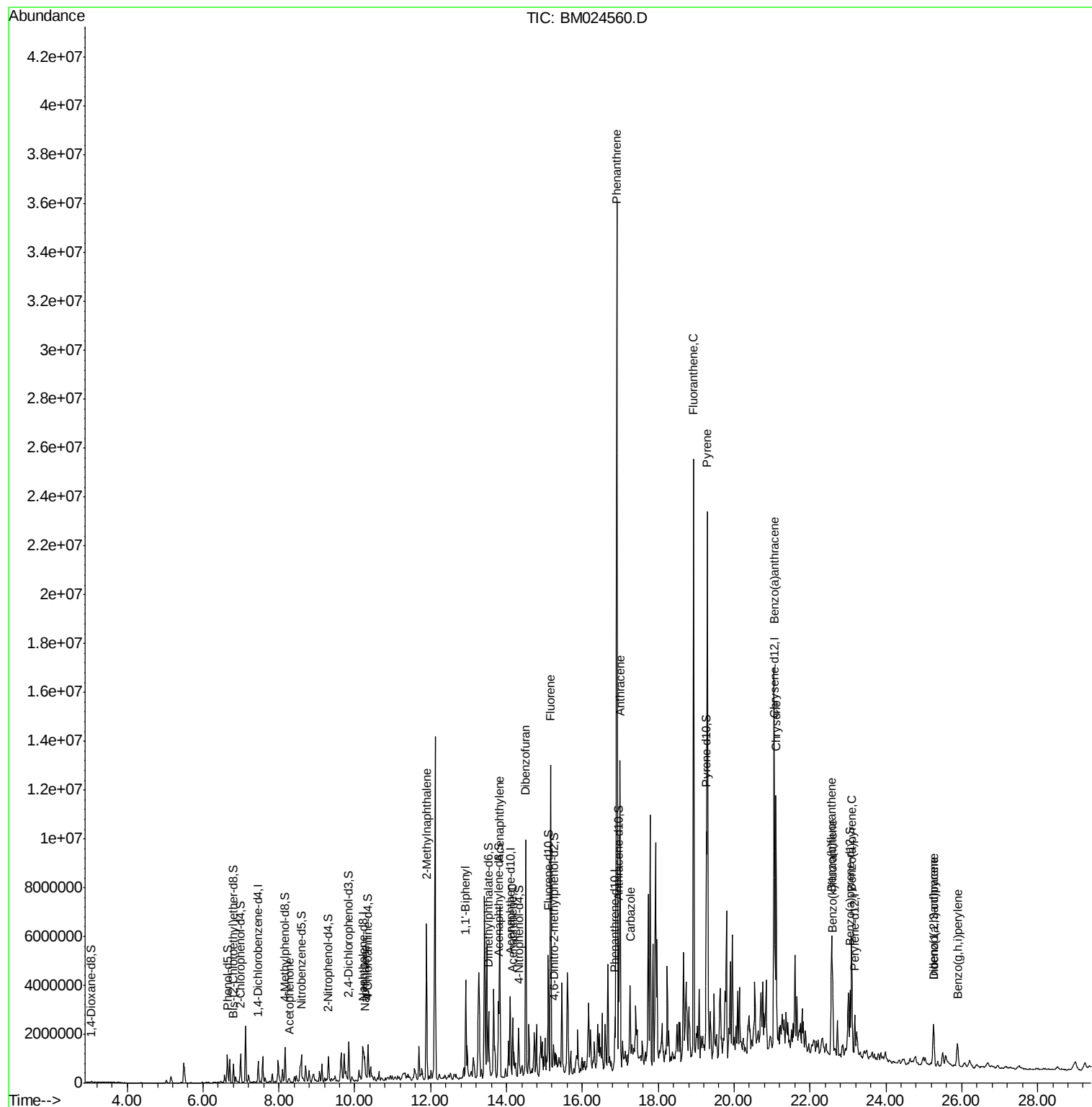
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012120\
Data File : BM024560.D
Acq On : 21 Jan 2020 13:20
Operator : JU
Sample : L1109-10ME
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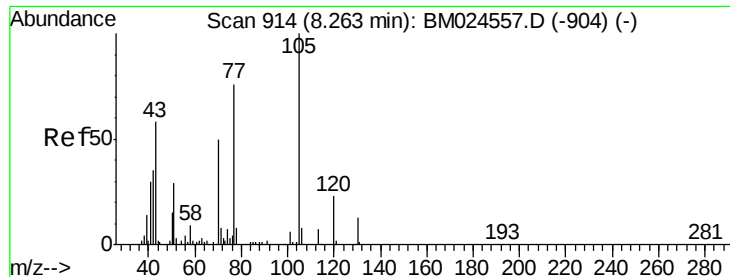
Instrument :
BNA_M
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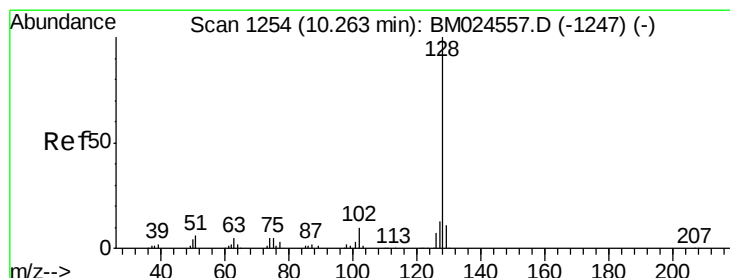
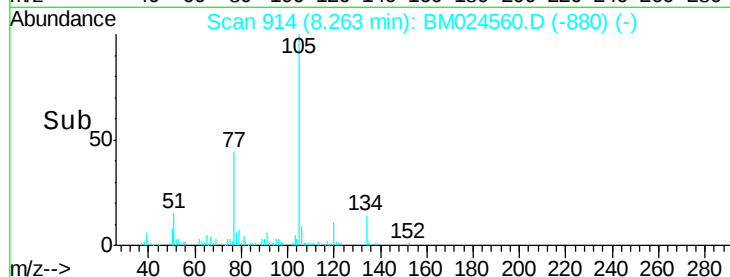
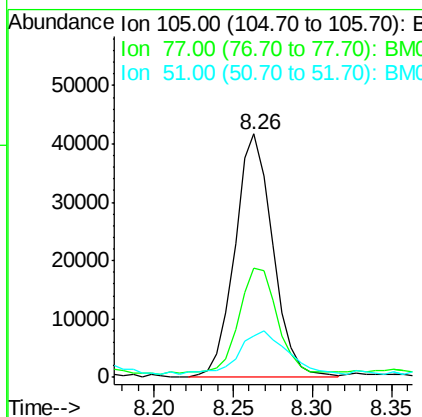
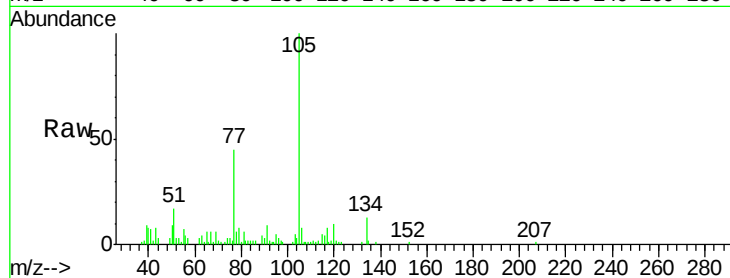
#14
Acetophenone
Concen: 2.779 ng/ul
RT: 8.26 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampled :
GASG9ME

Tot Ion	Ratio	Resp Lower	Upper
105	100		
77	45.0	60.6	90.8#
51	17.0	24.4	36.6#

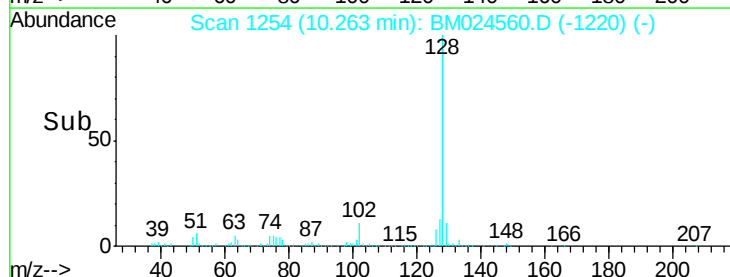
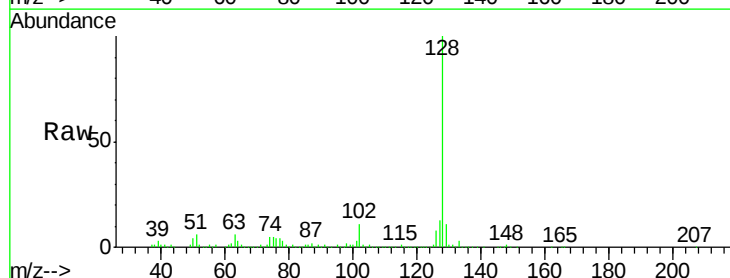
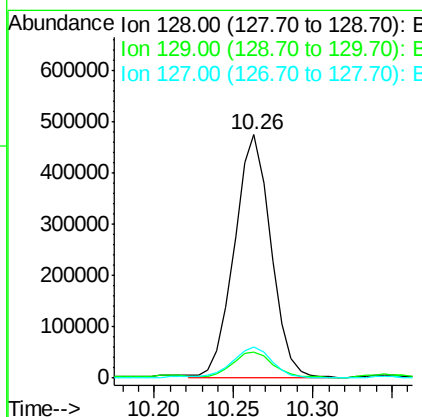
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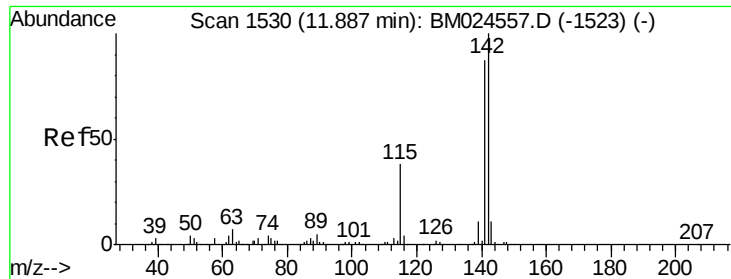
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#28
Naphthalene
Concen: 14.845 ng/ul
RT: 10.26 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.4	15.6





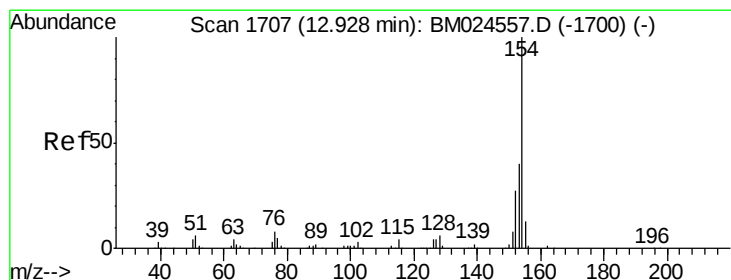
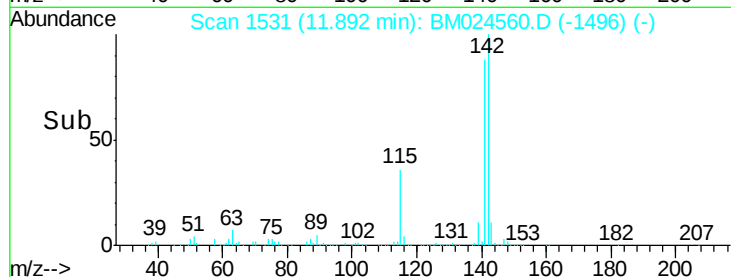
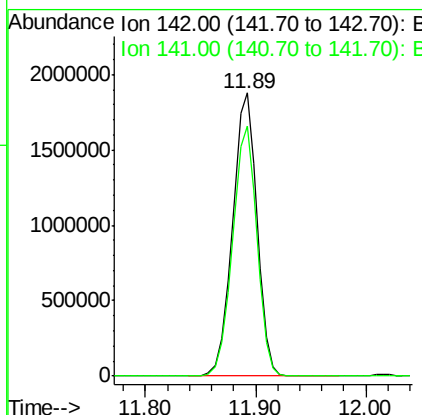
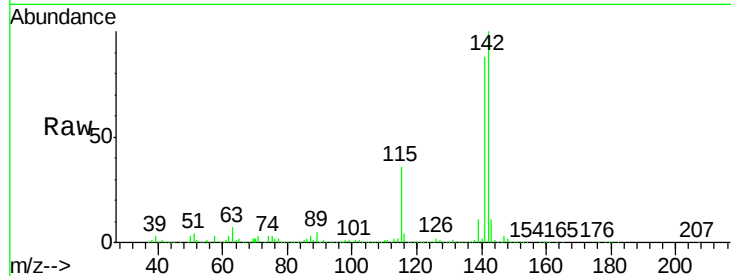
#34
2-Methylnaphthalene
Concen: 73.535 ng/ul
RT: 11.89 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampleId :
GASG9ME

Tot Ion:142 Resp: 2908002
Ion Ratio Lower Upper
142 100
141 88.5 70.4 105.6

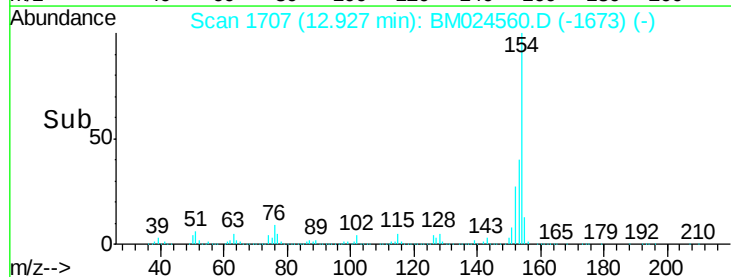
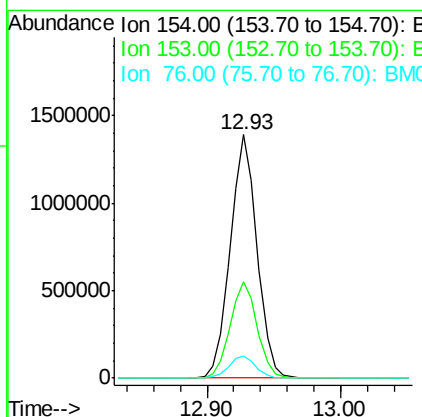
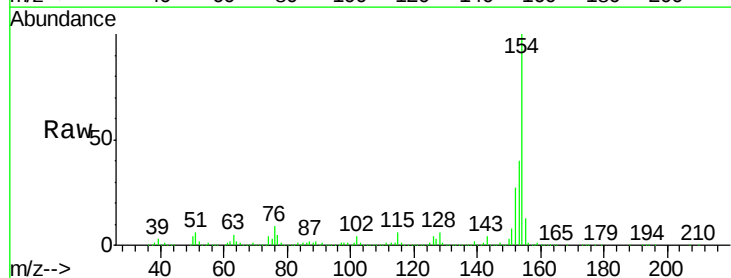
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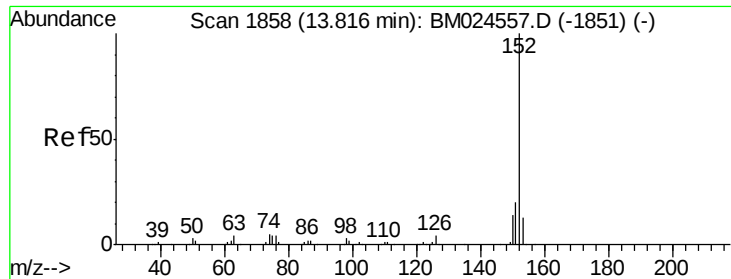
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#41
1,1'-Biphenyl
Concen: 38.219 ng/ul
RT: 12.93 min Scan# 1707
Delta R.T. -0.00 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion:154 Resp: 1948292
Ion Ratio Lower Upper
154 100
153 39.7 32.3 48.5
76 9.3 7.0 10.6





#48

Acenaphthylene

Concen: 57.084 ng/ul

RT: 13.82 min Scan# 1859

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Instrument :

BNA_M

ClientSampleId :

GASG9ME

Tot Ion:152 Resp: 3692187

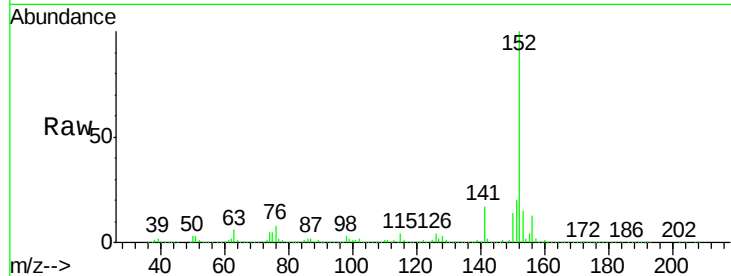
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	14.7	10.3	15.5

Manual Integrations

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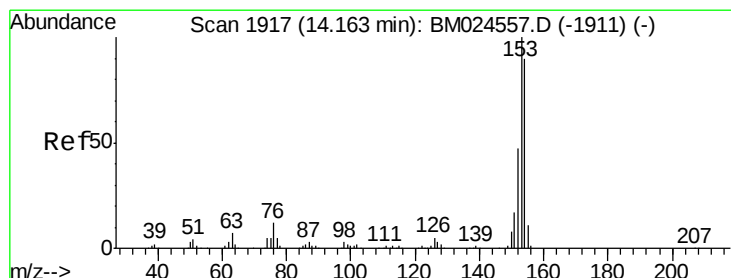
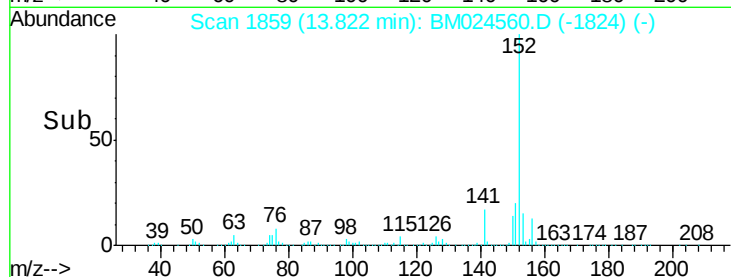
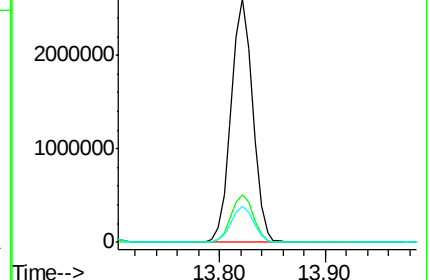
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 21.672 ng/ul

RT: 14.17 min Scan# 1918

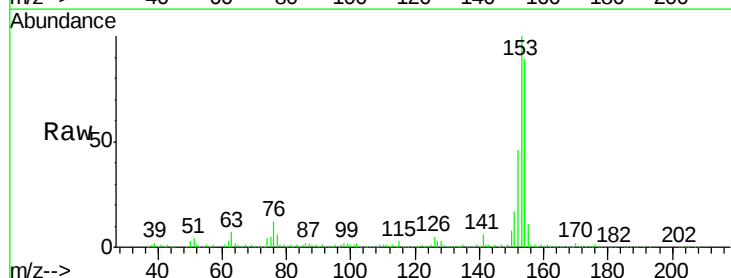
Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Tgt Ion:153 Resp: 948711

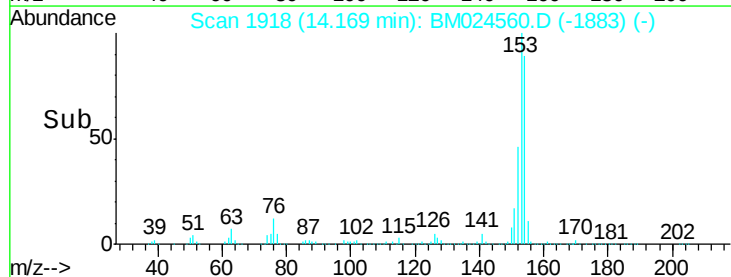
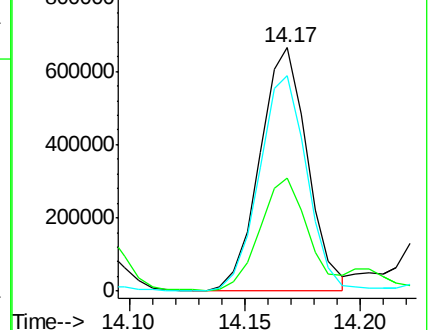
Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.2	55.8
154	88.6	70.6	106.0

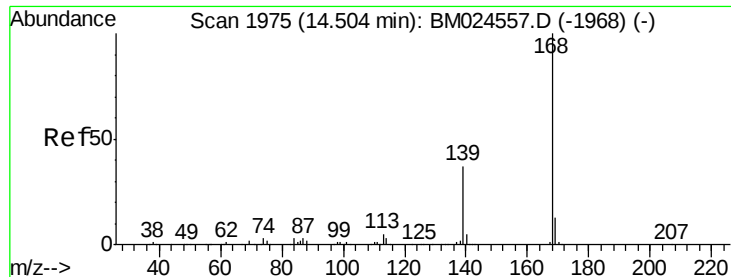


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





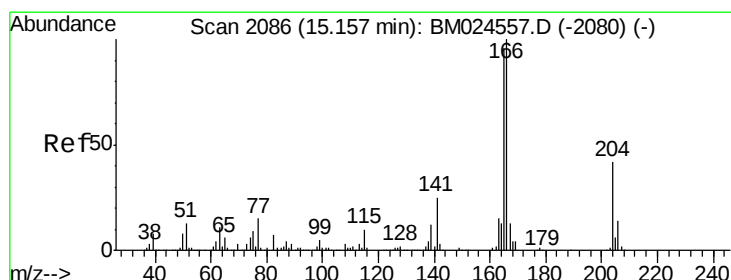
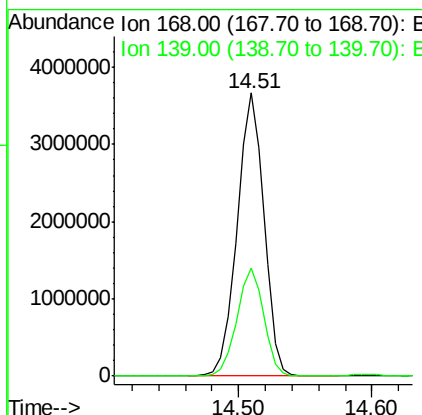
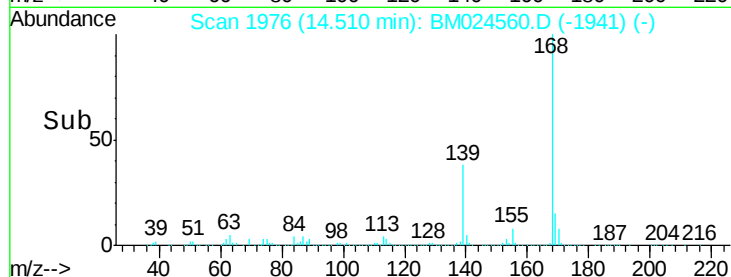
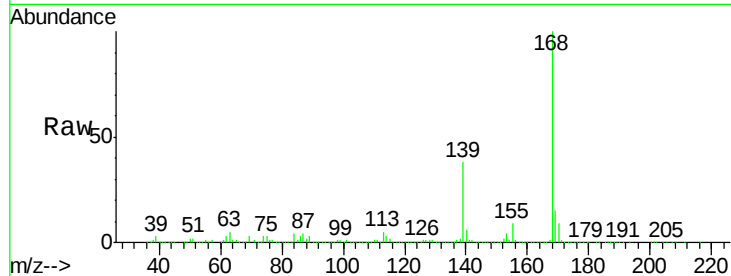
#54
Dibenzenofuran
Concen: 79.273 ng/ul
RT: 14.51 min Scan# 1976
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampleId :
GASG9ME

Tot Ion:168 Resp: 5083809
Ion Ratio Lower Upper
168 100
139 38.2 30.7 46.1

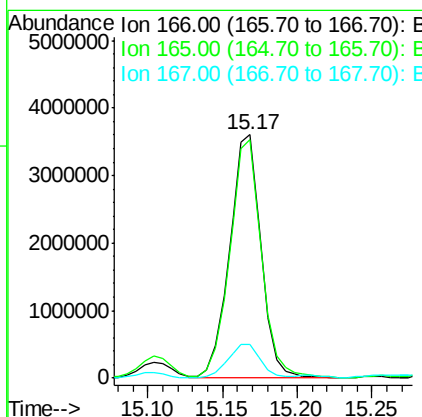
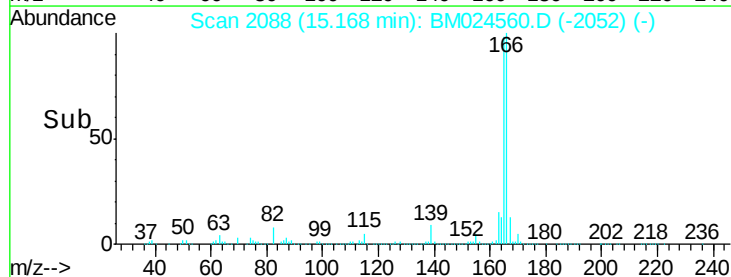
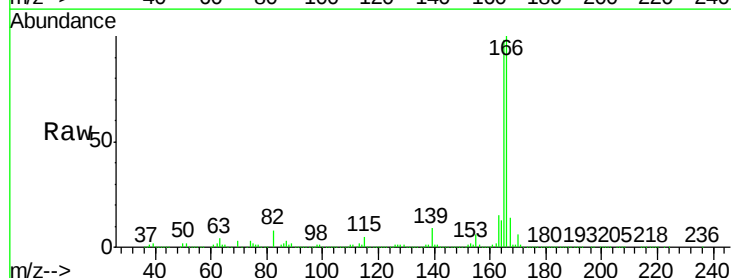
Manual Integrations
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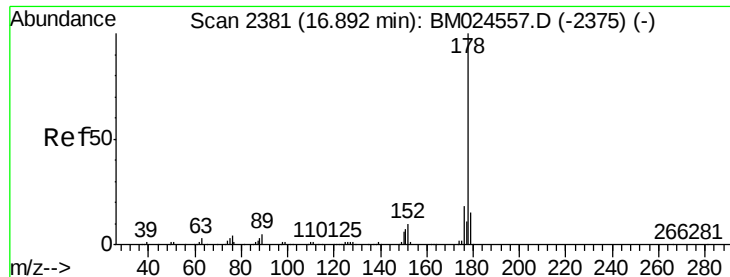
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#59
Fluorene
Concen: 97.144 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion:166 Resp: 5267334
Ion Ratio Lower Upper
166 100
165 98.0 79.6 119.4
167 14.0 10.8 16.2





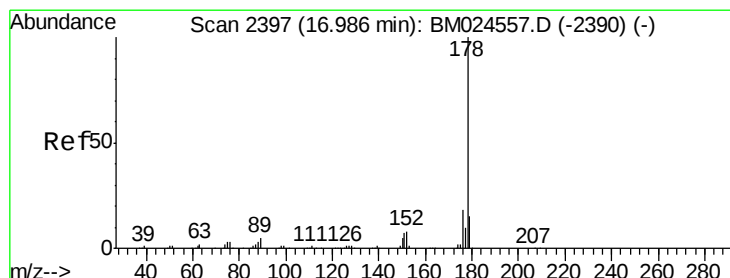
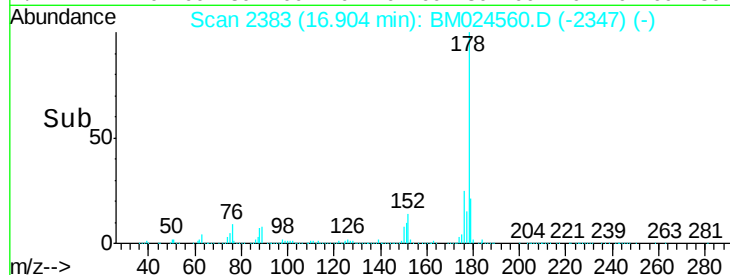
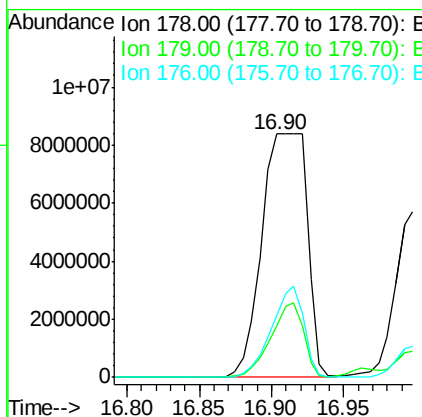
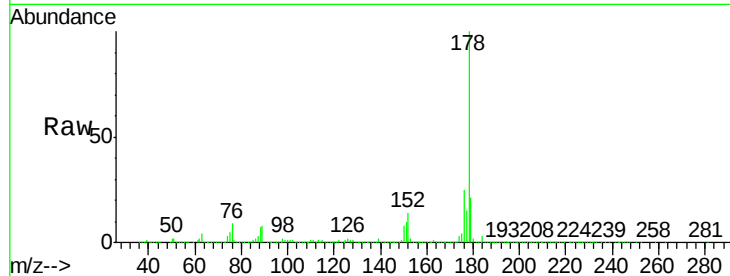
#70
Phenanthrene
Concen: 225.286 ng/ul m
RT: 16.90 min Scan# 2383
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampleId :
GASG9ME

Tot Ion:178 Resp:18219343
Ion Ratio Lower Upper
178 100
179 21.4 12.3 18.5#
176 25.4 14.9 22.3#

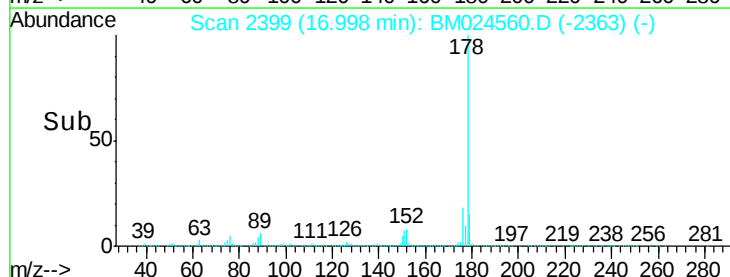
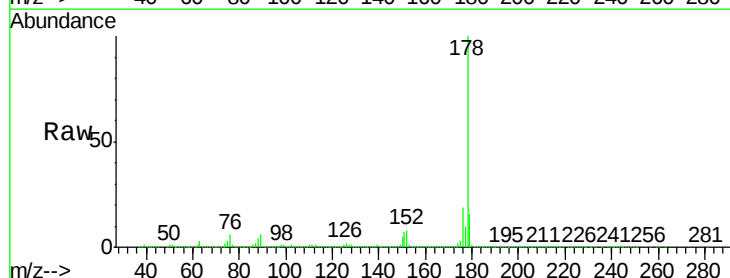
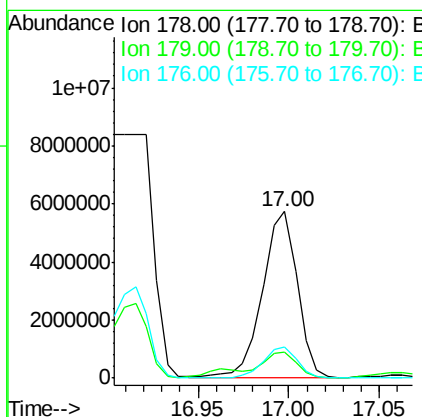
Manual Integrations
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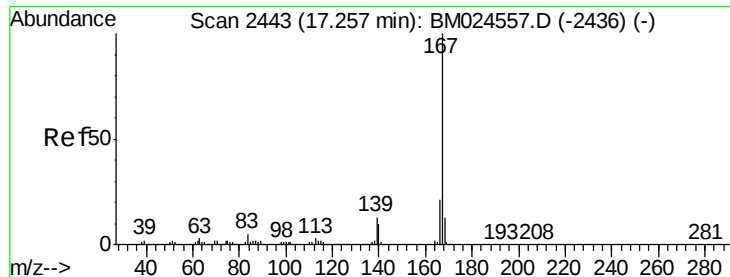
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#72
Anthracene
Concen: 91.881 ng/ul
RT: 17.00 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion:178 Resp: 7577316
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 18.5 14.6 22.0





#75

Carbazole

Concen: 29.462 ng/ul

RT: 17.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Instrument :

BNA_M

ClientSampleId :

GASG9ME

Tot Ion:167 Resp: 2044400

Ion Ratio Lower Upper

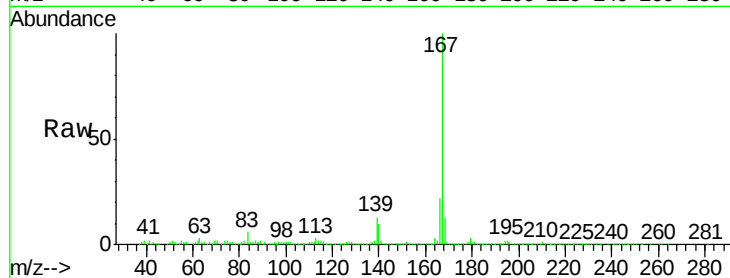
167 100

166 21.7 17.1 25.7

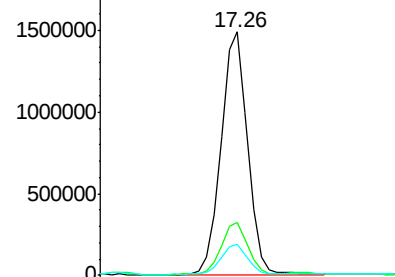
139 12.5 10.6 15.8

Manual Integrations
APPROVED

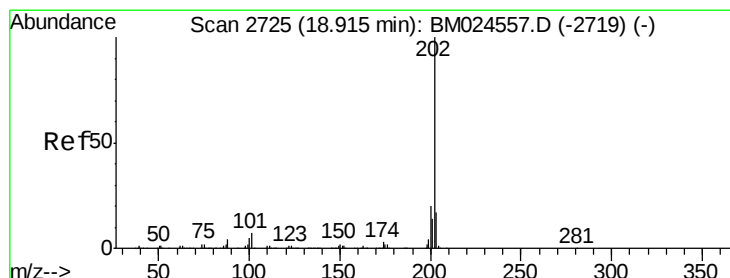
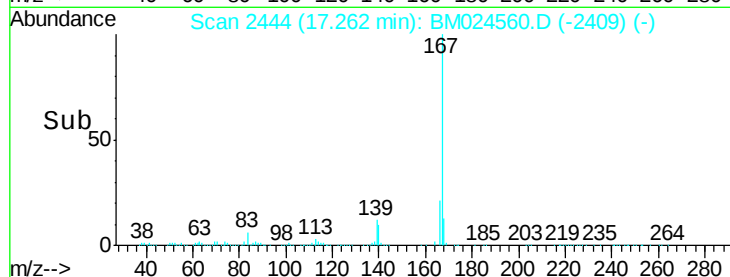
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Abundance Ion 167.00 (166.70 to 167.70): E
2000000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 139.241 ng/ul m

RT: 18.93 min Scan# 2728

Delta R.T. 0.02 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

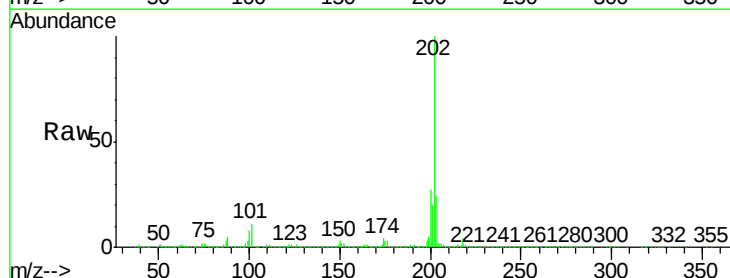
Tgt Ion:202 Resp:13762781

Ion Ratio Lower Upper

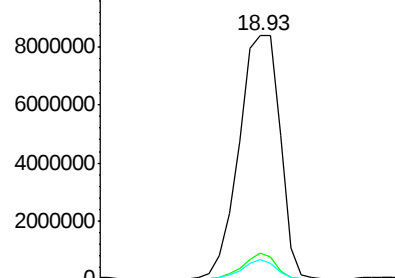
202 100

101 10.8 5.4 8.2#

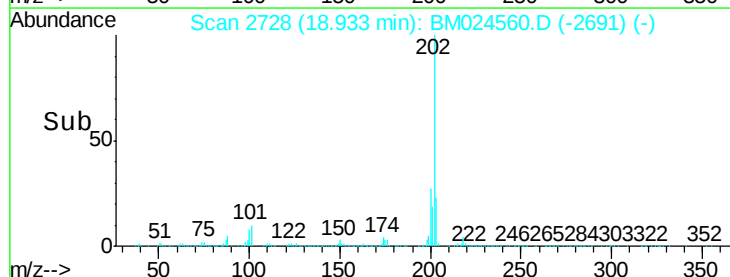
100 8.2 4.3 6.5#

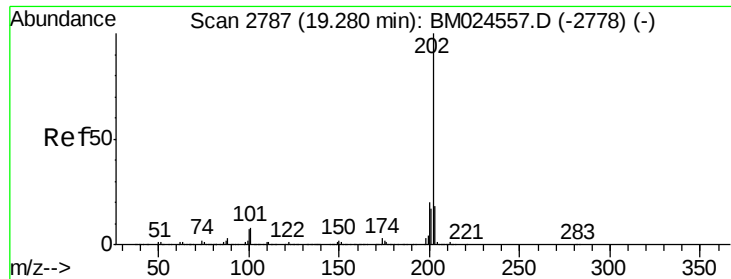


Abundance Ion 202.00 (201.70 to 202.70): E
1e+07
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





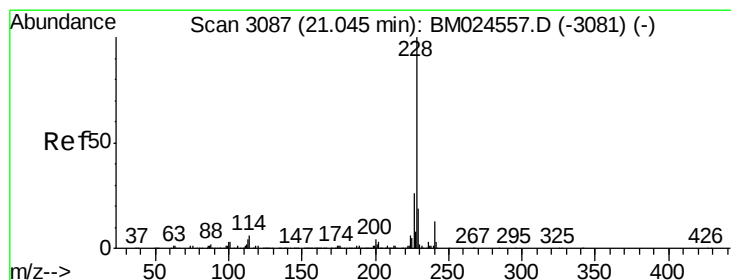
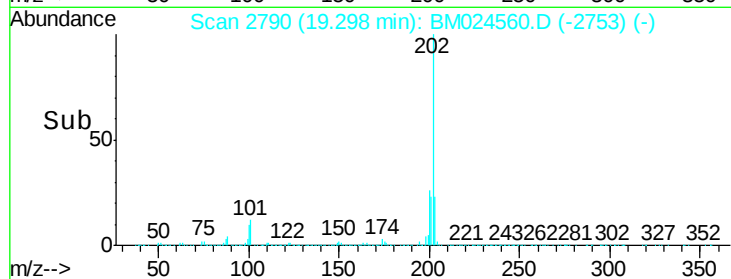
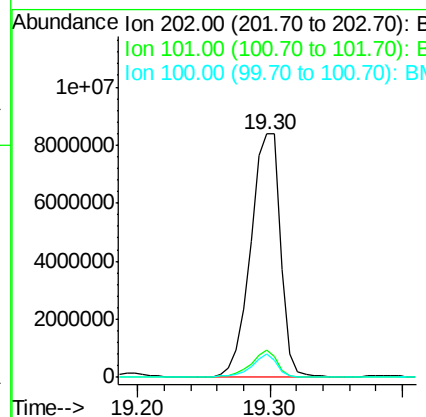
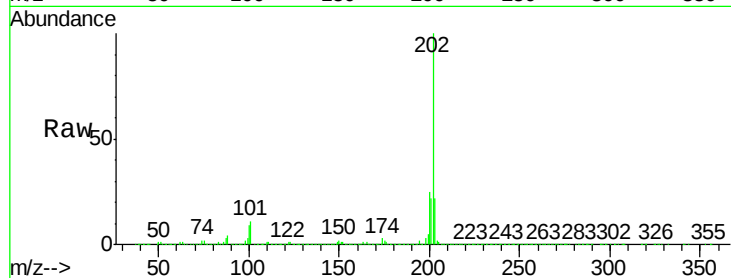
#80
Pvrene
Concen: 143.416 ng/ul m
RT: 19.30 min Scan# 2790
Delta R.T. 0.02 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampleId :
GASG9ME

Tot Ion:202 Resp:13385992
Ion Ratio Lower Upper
202 100
101 11.2 6.5 9.7#
100 9.4 5.0 7.6#

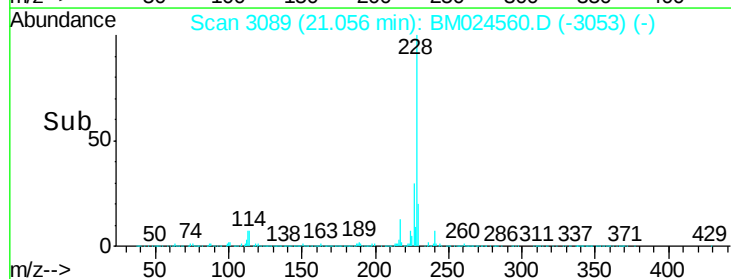
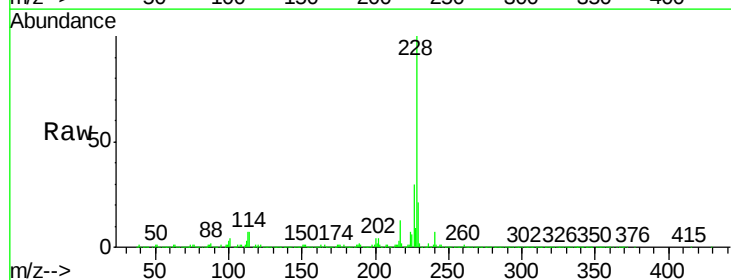
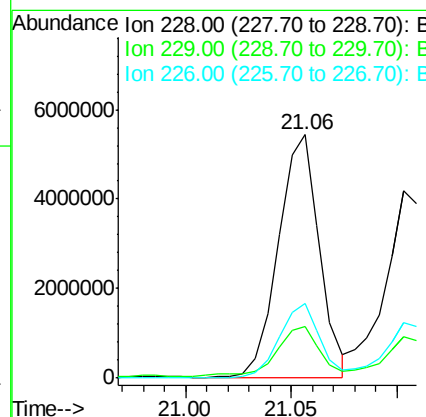
Manual Integrations
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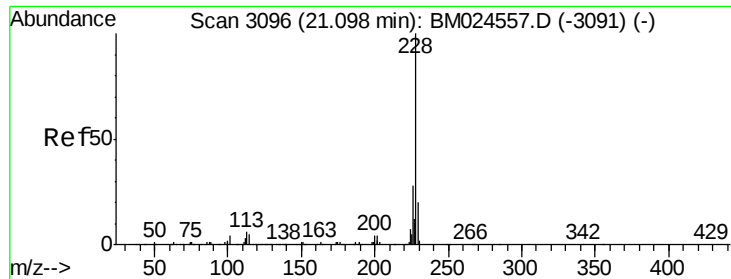
mohammad
1/23/2020 7:57:27 AM



#83
Benzo(a)anthracene
Concen: 78.415 ng/ul
RT: 21.06 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion:228 Resp: 7283003
Ion Ratio Lower Upper
228 100
229 21.0 15.9 23.9
226 30.5 21.1 31.7





#85

Chrysene

Concen: 63.915 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Instrument :

BNA_M

ClientSampleId :

GAS9ME

Tot Ion:228 Resp: 5720169

Ion Ratio Lower Upper

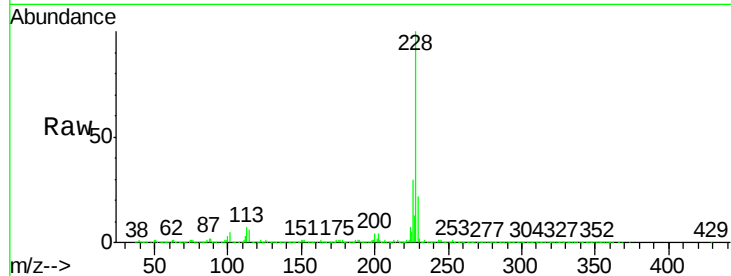
228 100

226 29.7 23.4 35.2

229 22.0 16.1 24.1

Manual Integrations
APPROVED

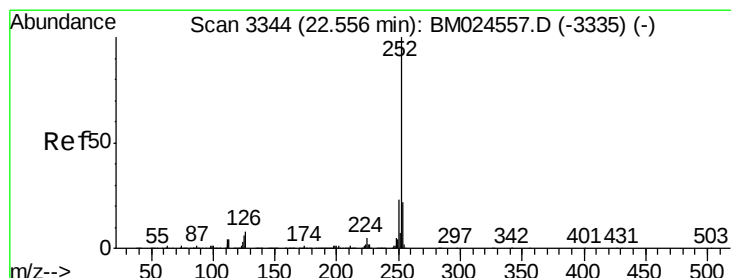
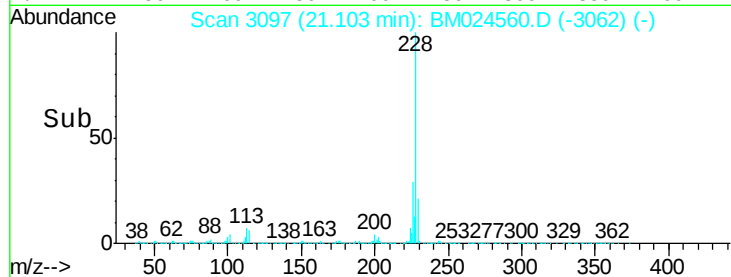
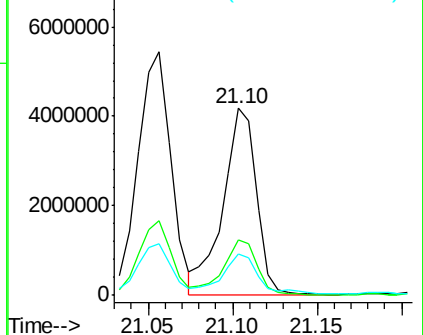
mohammad
1/23/2020 7:57:27 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 54.154 ng/ul

RT: 22.57 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

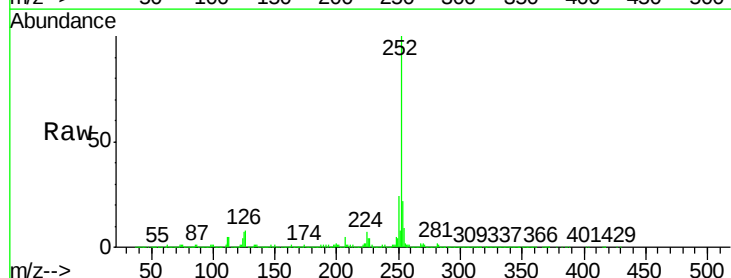
Tgt Ion:252 Resp: 4166562

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

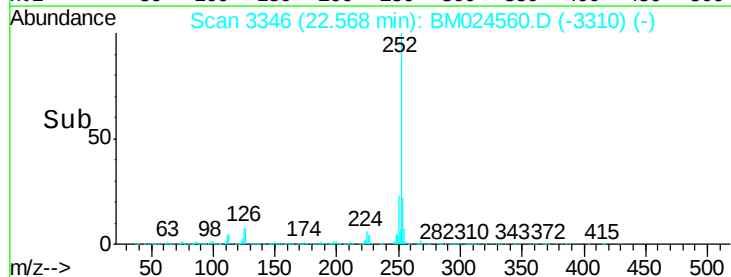
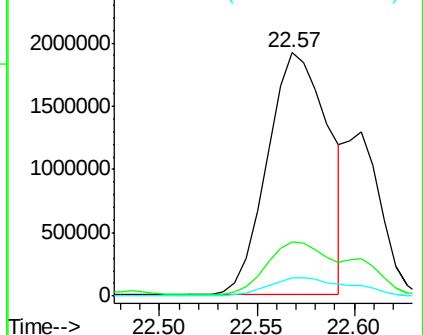
125 7.5 5.3 7.9

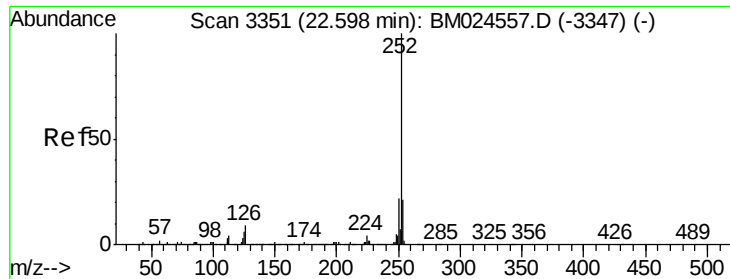


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.412 ng/ul m

RT: 22.60 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Instrument :

BNA_M

ClientSampleId :

GAS9ME

Tot Ion:252 Resp: 1619065

Ion Ratio Lower Upper

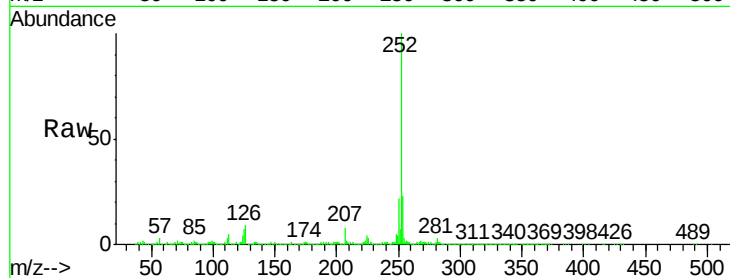
252 100

253 23.2 17.1 25.7

125 6.8 5.2 7.8

Manual Integrations
APPROVED

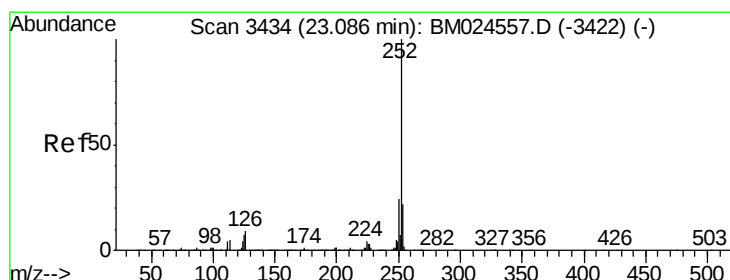
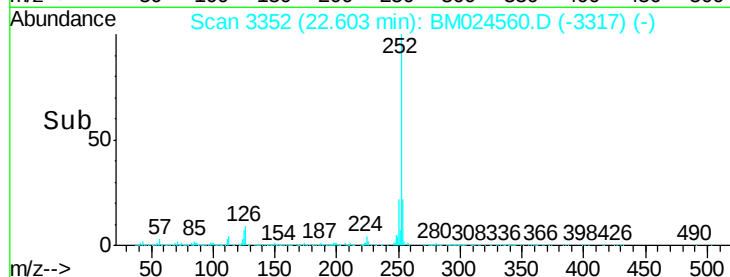
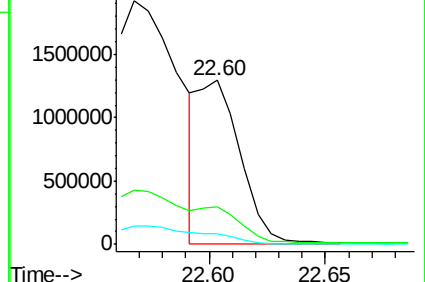
mohammad
1/23/2020 7:57:27 AM



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

Benzo(a)pyrene

Concen: 52.053 ng/ul

RT: 23.10 min Scan# 3436

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Tgt Ion:252 Resp: 3480414

Ion Ratio Lower Upper

252 100

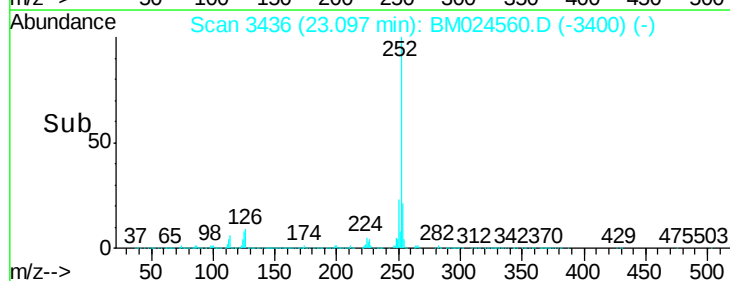
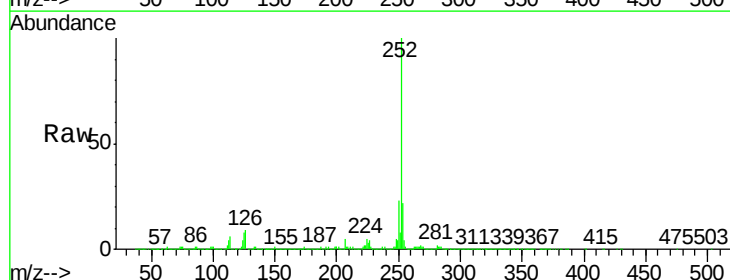
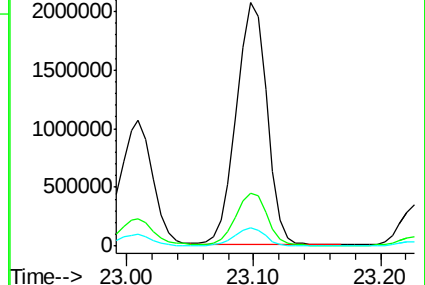
253 21.9 17.5 26.3

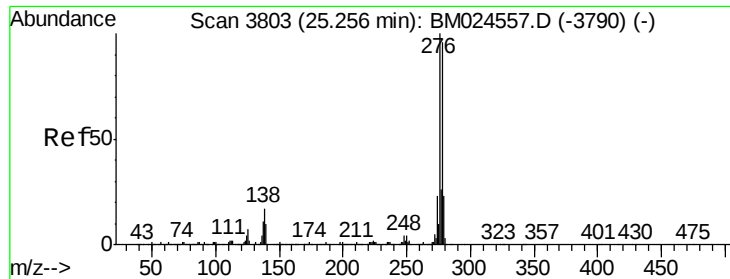
125 7.7 5.7 8.5

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





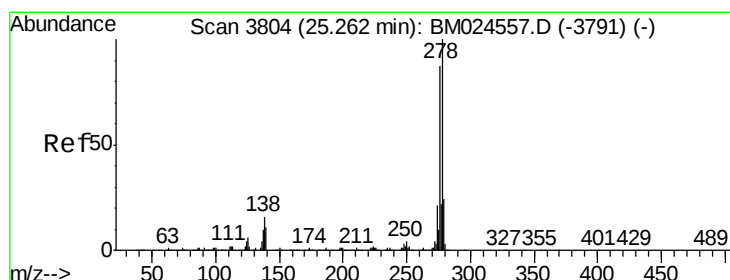
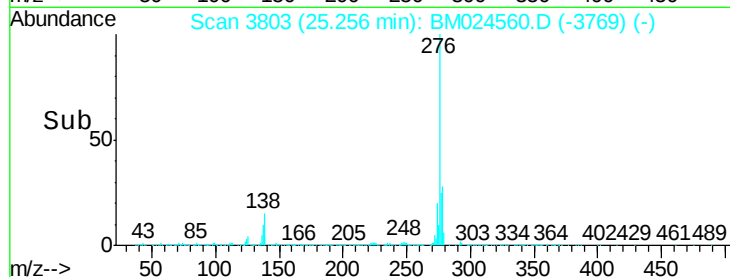
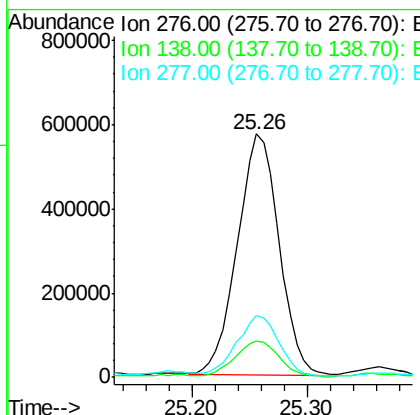
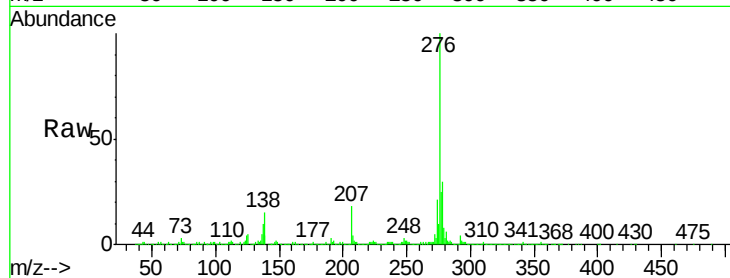
#92
Indeno(1,2,3-cd)pyrene
Concen: 20.621 ng/ul
RT: 25.26 min Scan# 3803
Delta R.T. -0.00 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Instrument :
BNA_M
ClientSampleId :
GASG9ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.5	18.7
277	25.4	19.0	28.6

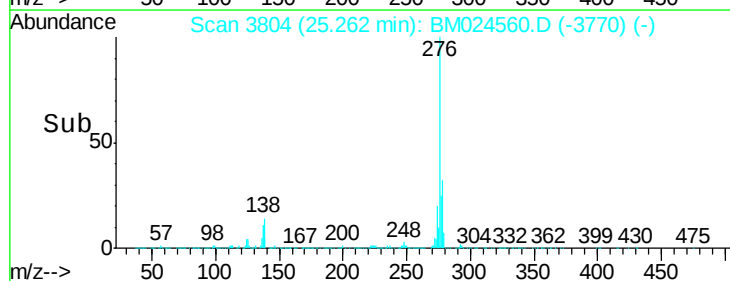
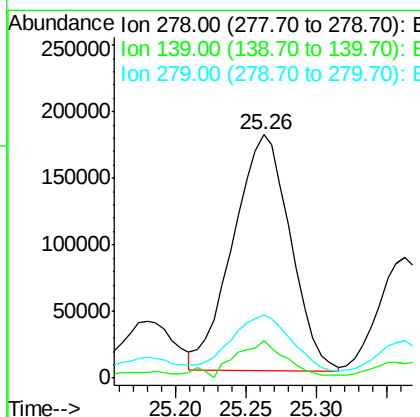
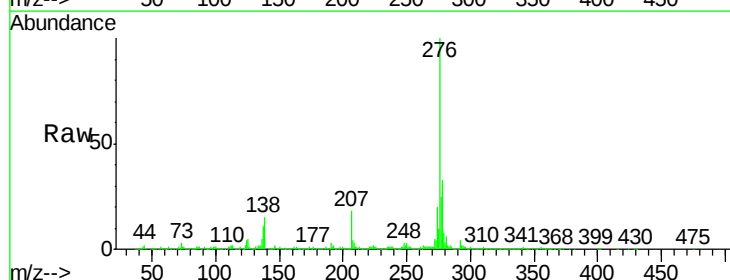
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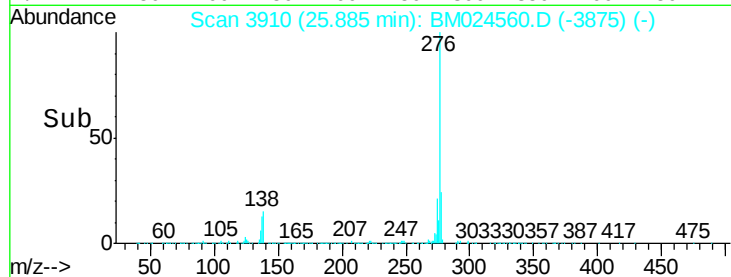
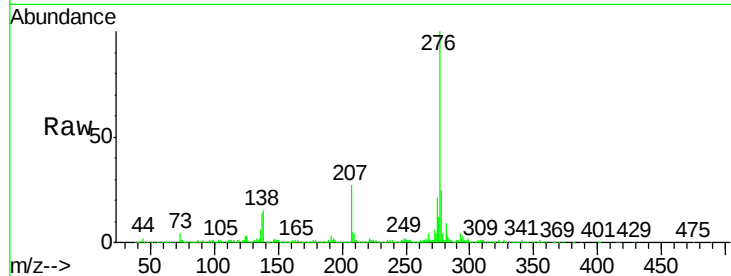
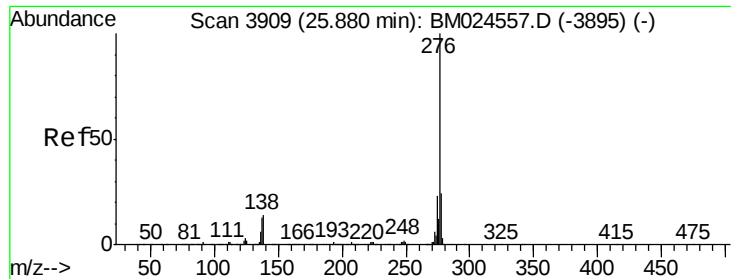
mohammad
1/23/2020 7:57:27 AM



#93
Dibenzo(a,h)anthracene
Concen: 8.436 ng/ul
RT: 25.26 min Scan# 3804
Delta R.T. -0.00 min
Lab File: BM024560.D
Acq: 21 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	8.7	13.1#
279	25.9	18.6	27.8





#94

Benzo(a,h,i)perylene

Concen: 20.507 ng/ul

RT: 25.89 min Scan# 3910

Delta R.T. 0.01 min

Lab File: BM024560.D

Acq: 21 Jan 2020 13:20

Tot Ion:	276	Resp:	1140229
Ion Ratio	Lower	Upper	
276	100		
138	15.3	12.2	18.2
277	24.6	18.8	28.2

Instrument :

BNA_M

ClientSampleId :

GASG9ME

Manual Integrations
APPROVED

mohammad
1/23/2020 7:57:27 AM

