

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025674.D
 Acq On : 20 Mar 2020 23:07
 Operator : CG/JU
 Sample : L1972-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:42:07 AM

Quant Time: Mar 21 00:00:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 23:10:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	180483	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	770790	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	476726	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	975677	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	970754	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	1171089	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.14	96	18471	4.29	ng/uL	0.00
5) Phenol-d5	6.76	99	399891	28.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	227181	27.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	329351	28.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	325999	27.85	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	164562	28.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	177324	29.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	352723	28.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	385663	26.67	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	1038718	28.67	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	1283512	29.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	168073	24.36	ng/ul	0.00
58) Fluorene-d10	15.22	176	924903	29.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.34	200	99720	16.75	ng/ul	0.00
71) Anthracene-d10	17.06	188	1401238	30.75	ng/ul	0.00
79) Pyrene-d10	19.36	212	1498640	32.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.18	264	1838153	30.66	ng/ul	0.00
Target Compounds						
6) Phenol	6.79	94	21106	1.419	ng/ul	98
28) Naphthalene	10.39	128	50698	1.208	ng/ul	99
45) Dimethylphthalate	13.68	163	102042	2.706	ng/ul	98
48) Acenaphthylene	13.93	152	452145	9.617	ng/ul	99
50) Acenaphthene	14.28	153	151758	4.748	ng/ul	99
54) Dibenzofuran	14.62	168	85627	1.889	ng/ul	97
59) Fluorene	15.27	166	197685	5.184	ng/ul	97
70) Phenanthrene	17.00	178	4381100	76.286	ng/ul	99
72) Anthracene	17.09	178	1046305	17.877	ng/ul	100
75) Carbazole	17.36	167	194282	3.798	ng/ul	97
77) Fluoranthene	19.03	202	8776338	129.646	ng/ul	99
80) Pyrene	19.39	202	7630076	117.031	ng/ul	97
83) Benzo(a)anthracene	21.14	228	3748594	58.571	ng/ul	94
85) Chrysene	21.19	228	3591568	57.197	ng/ul	97
88) Benzo(b)fluoranthene	22.68	252	5386164	73.713	ng/ul	98
89) Benzo(k)fluoranthene	22.72	252	1281654m	17.805	ng/ul	
91) Benzo(a)pyrene	23.23	252	3655884	54.979	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.45	276	2667739	30.379	ng/ul	96
93) Dibenzo(a,h)anthracene	25.45	278	650279	8.745	ng/ul#	84
94) Benzo(g,h,i)perylene	26.10	276	1866905	25.795	ng/ul	99

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

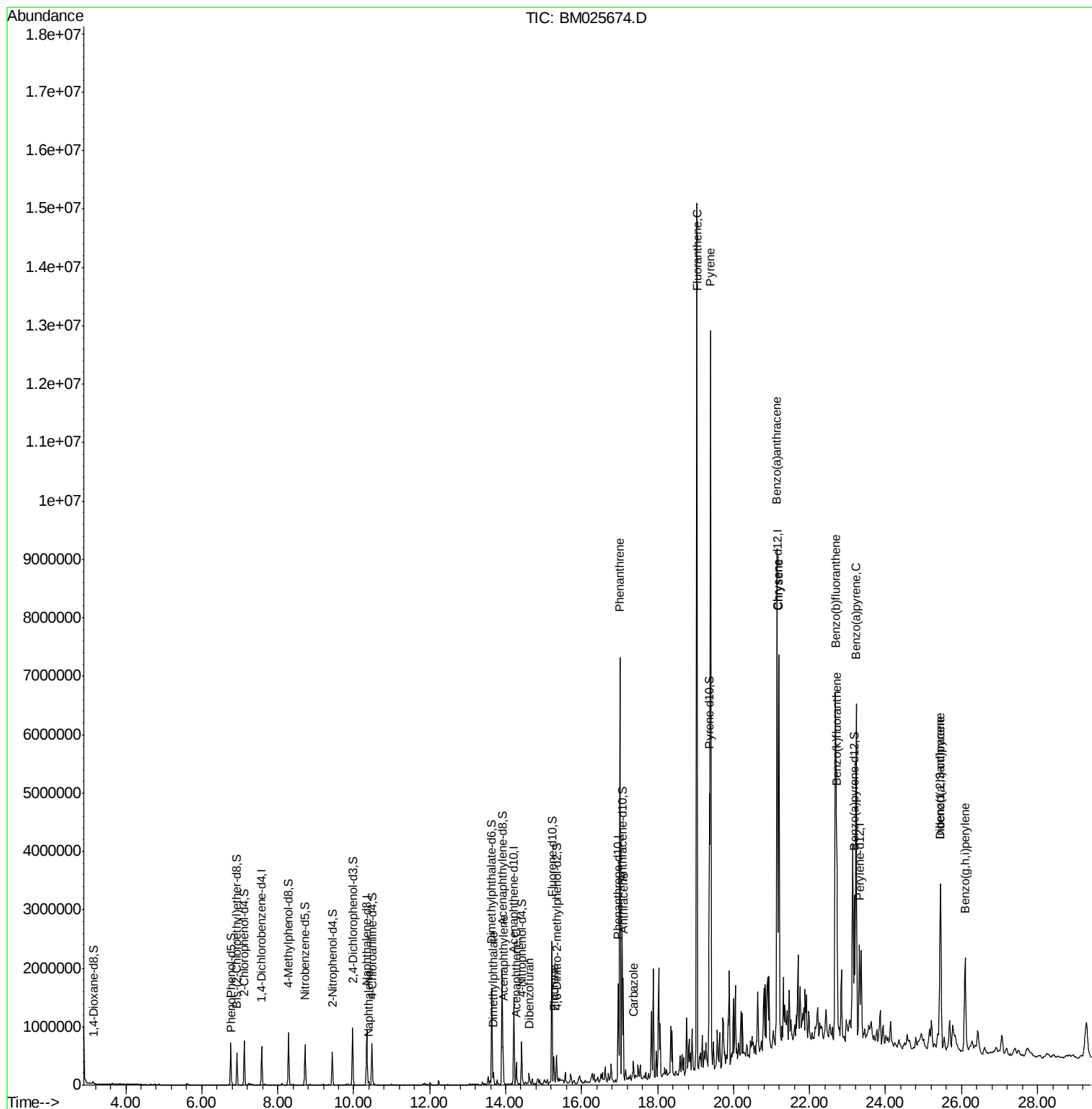
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025674.D
Acq On : 20 Mar 2020 23:07
Operator : CG/JU
Sample : L1972-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

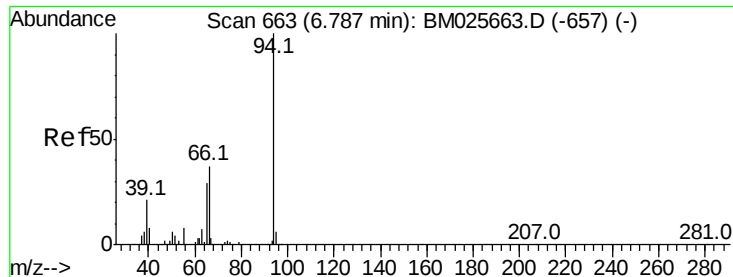
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 20 23:10:07 2020
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#6

Phenol

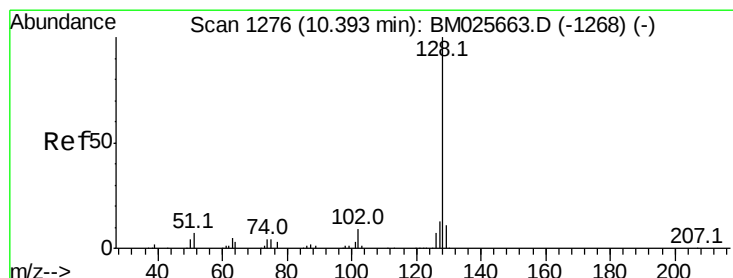
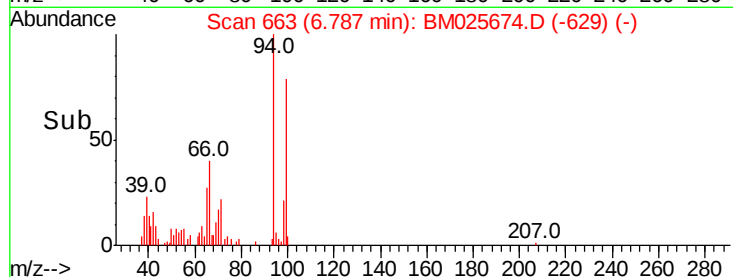
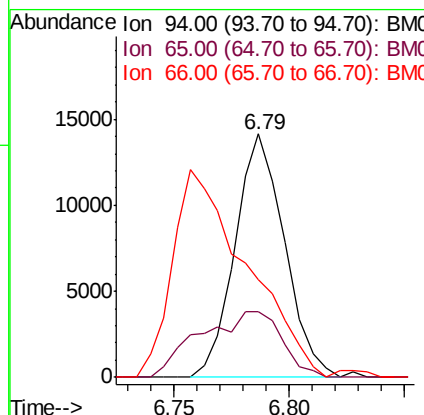
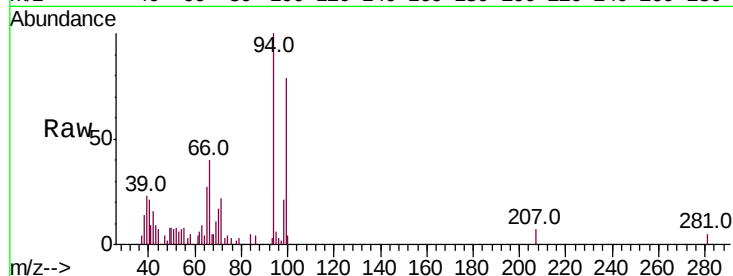
Concen: 1.419 ng/ul
 RT: 6.79 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BM025674.D
 Acq: 20 Mar 2020 23:07

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.9	23.8	35.6
66	40.2	32.4	48.6

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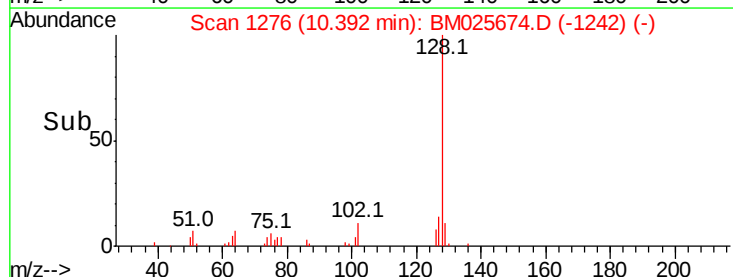
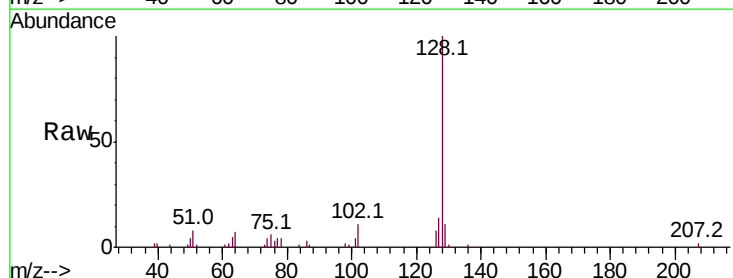
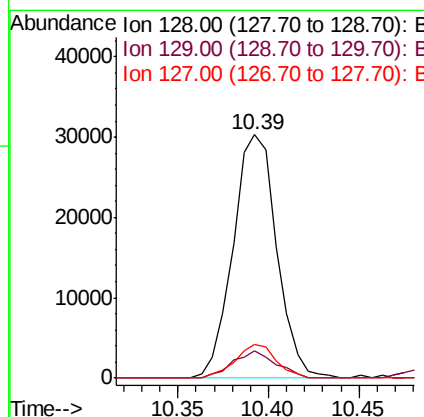


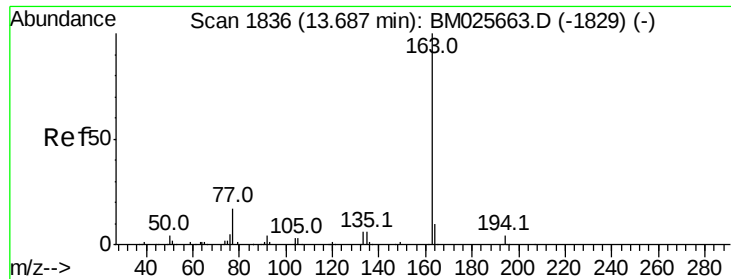
#28

Naphthalene

Concen: 1.208 ng/ul
 RT: 10.39 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BM025674.D
 Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.6	10.6	15.8





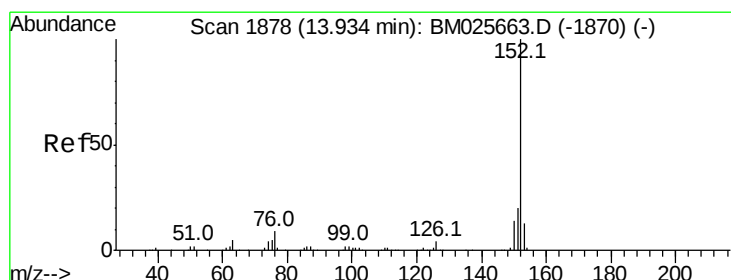
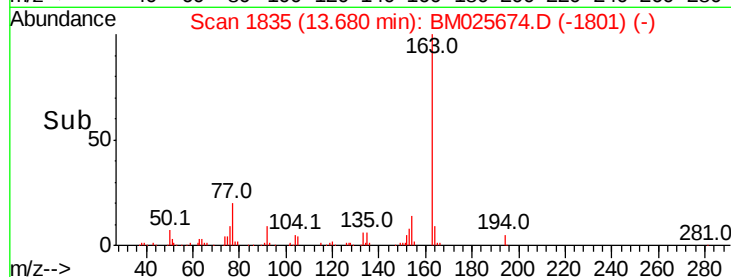
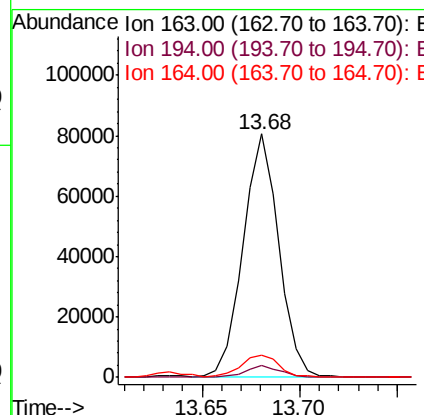
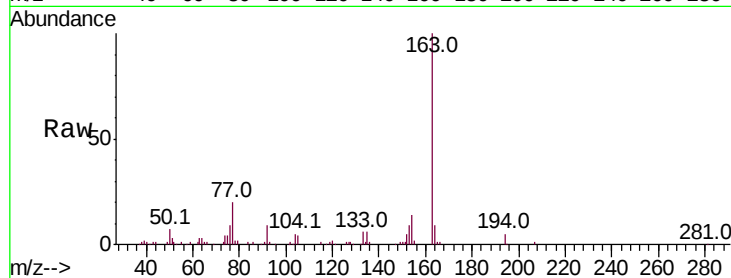
#45
Dimethylphthalate
Concen: 2.706 ng/ul
RT: 13.68 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Instrument :
BNA_M
ClientSampleId :
B0AH3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	102042		
194	4.8		3.5	5.3
164	9.2		8.2	12.4

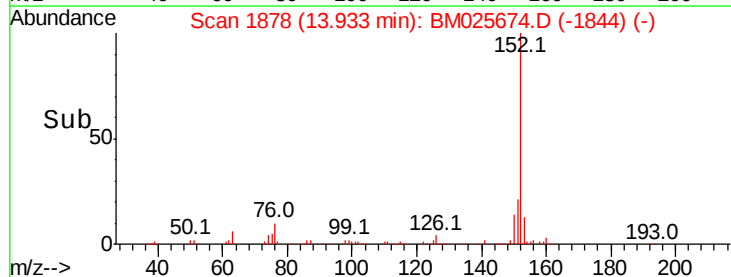
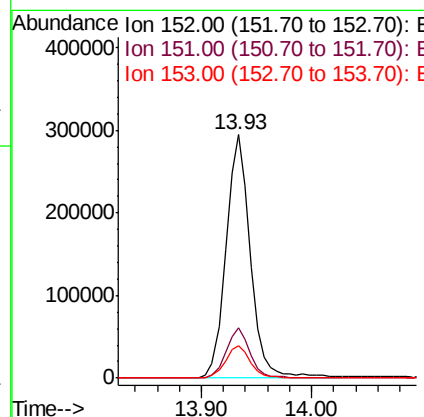
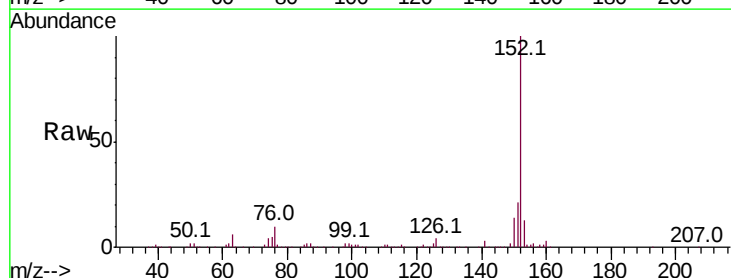
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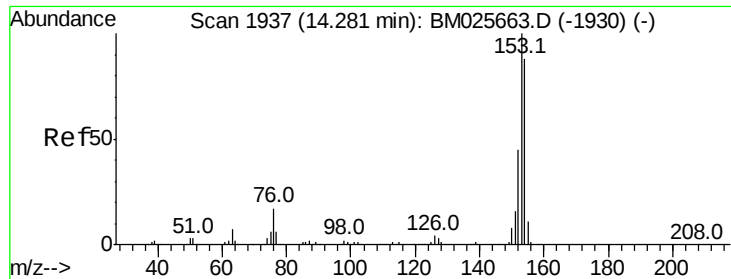
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#48
Acenaphthylene
Concen: 9.617 ng/ul
RT: 13.93 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	452145		
151	20.5		15.8	23.6
153	13.2		10.6	16.0





#50

Acenaphthene

Concen: 4.748 ng/ul

RT: 14.28 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

Instrument :

BNA_M

ClientSampleId :

B0AH3

Tot Ion:153 Resp: 151758

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

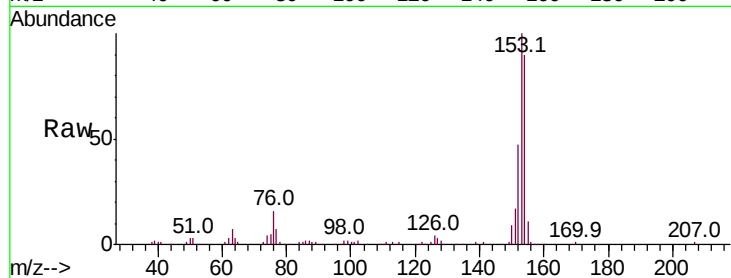
154 89.7 72.2 108.2

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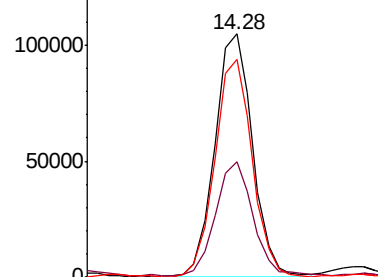
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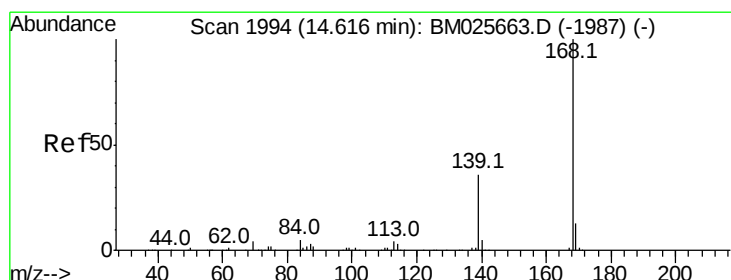
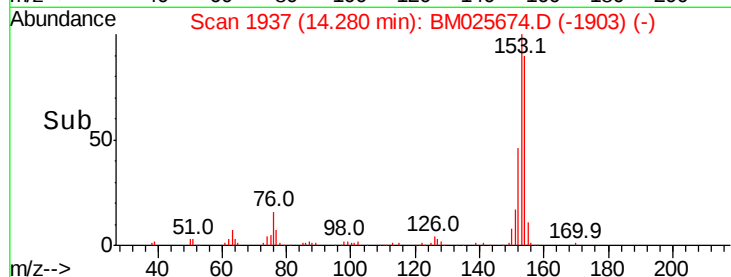
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.25 14.30



#54

Dibenzofuran

Concen: 1.889 ng/ul

RT: 14.62 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM025674.D

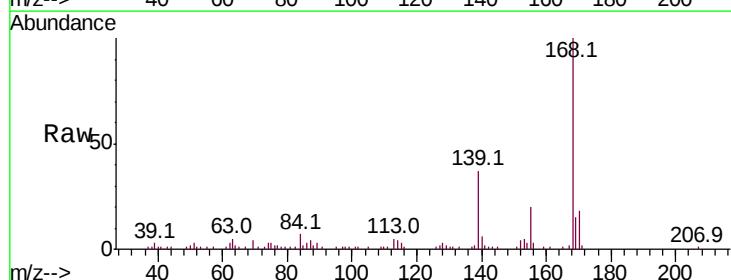
Acq: 20 Mar 2020 23:07

Tgt Ion:168 Resp: 85627

Ion Ratio Lower Upper

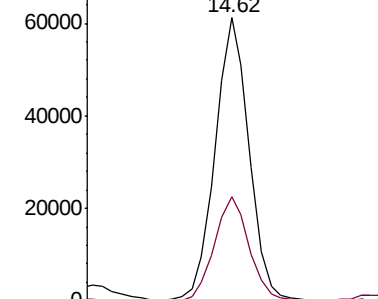
168 100

139 36.9 28.2 42.2

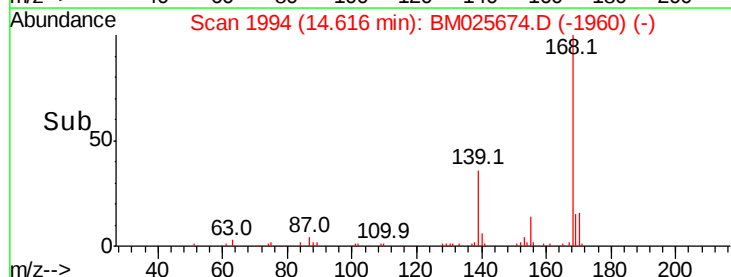


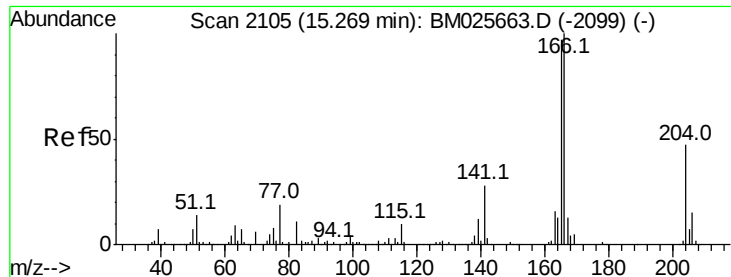
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 14.55 14.60 14.65





#59

Fluorene

Concen: 5.184 ng/ul

RT: 15.27 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

Instrument :

BNA_M

ClientSampleId :

B0AH3

Tot Ion:166 Resp: 197685

Ion Ratio Lower Upper

166 100

165 99.8 77.2 115.8

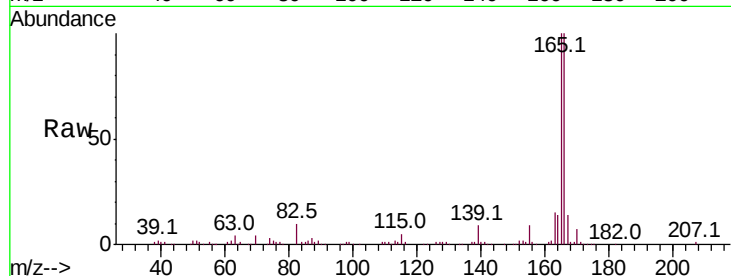
167 14.3 11.2 16.8

Manual Integrations

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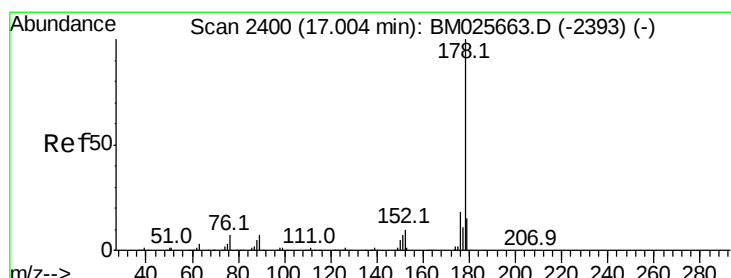
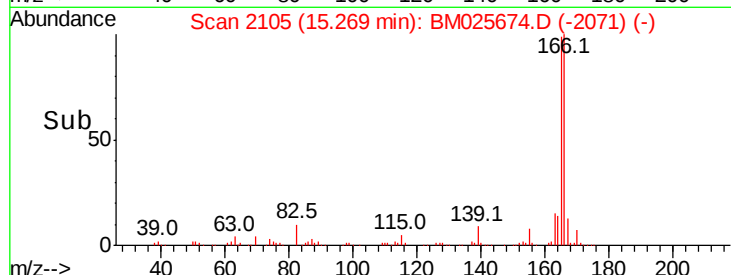
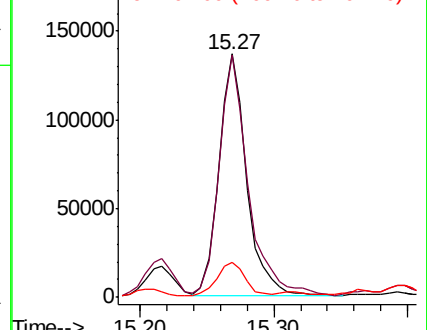
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 76.286 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

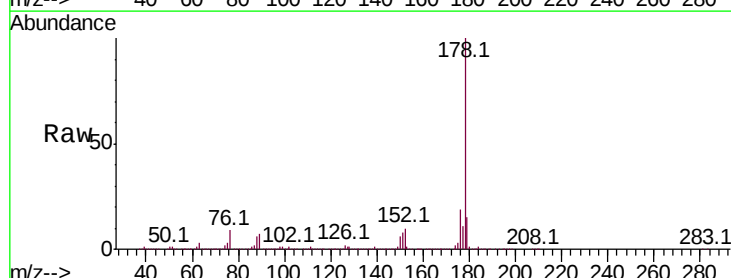
Tgt Ion:178 Resp: 4381100

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

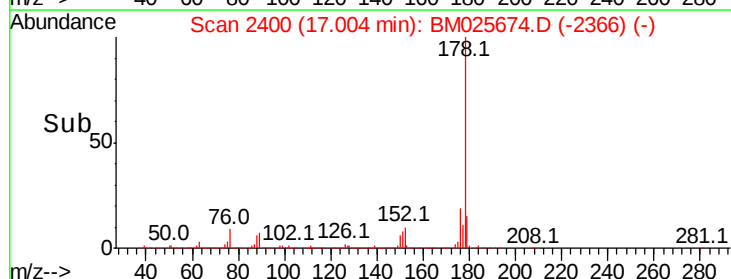
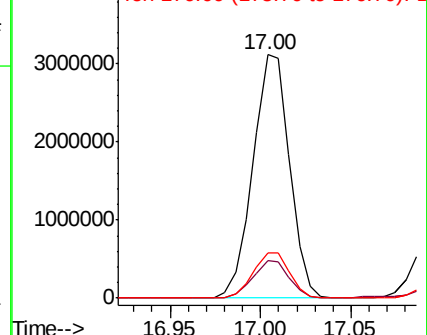
176 18.6 15.3 22.9

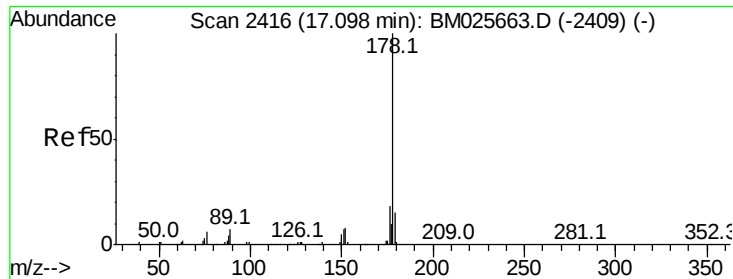


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 17.877 ng/ul

RT: 17.09 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

Instrument :

BNA_M

ClientSampleId :

B0AH3

Tot Ion:178 Resp: 1046305

Ion Ratio Lower Upper

178 100

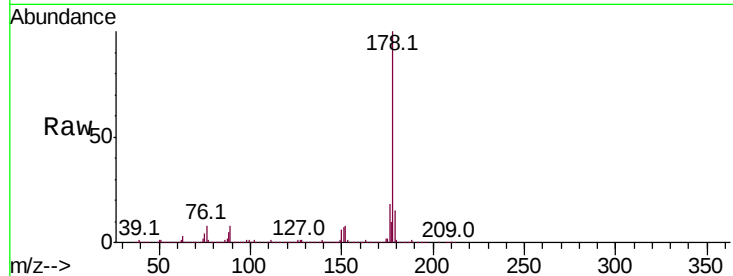
179 15.5 12.5 18.7

176 18.0 14.5 21.7

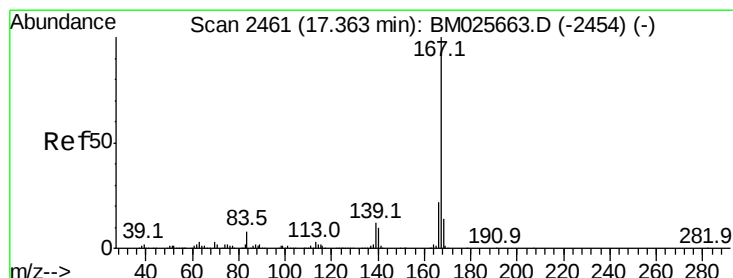
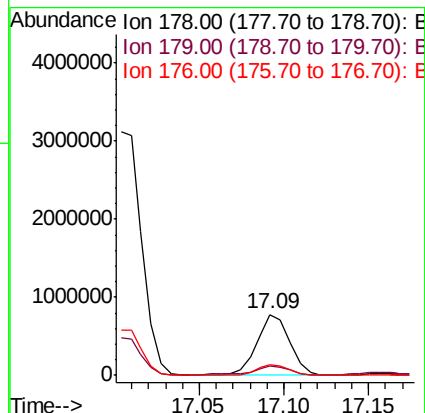
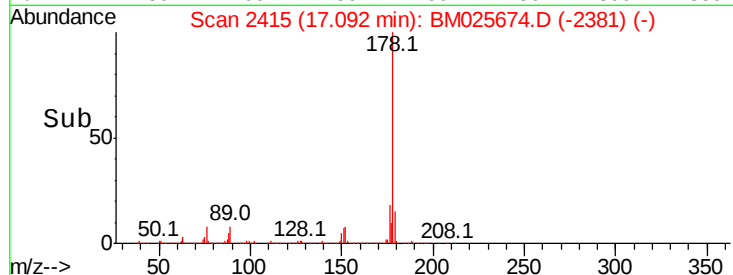
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 3.798 ng/ul

RT: 17.36 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

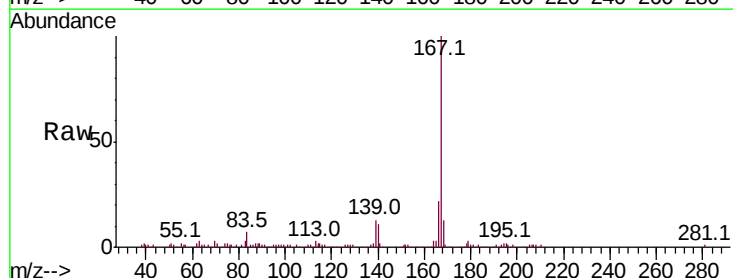
Tgt Ion:167 Resp: 194282

Ion Ratio Lower Upper

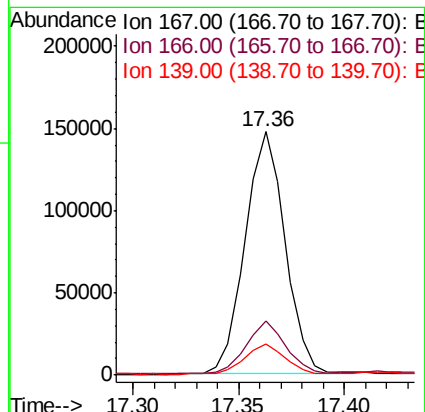
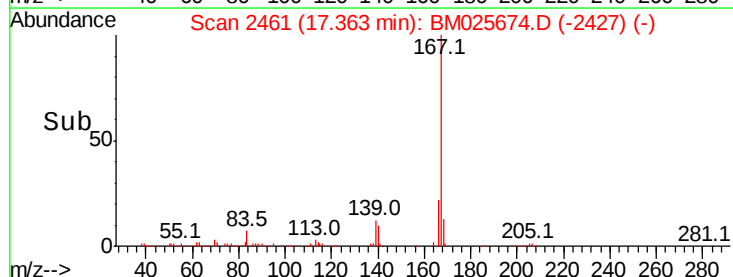
167 100

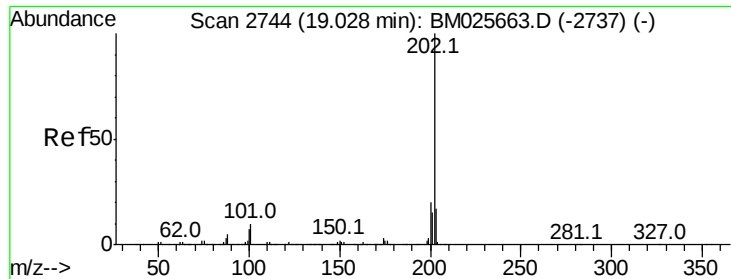
166 22.5 16.7 25.1

139 12.9 9.8 14.8



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





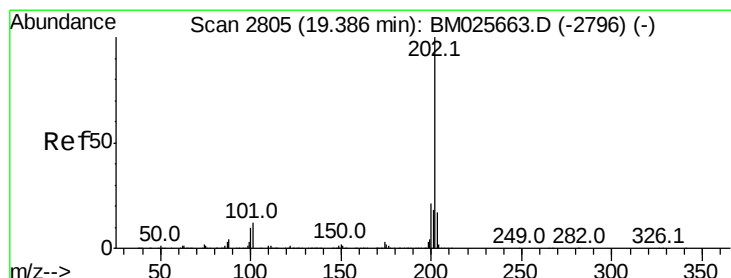
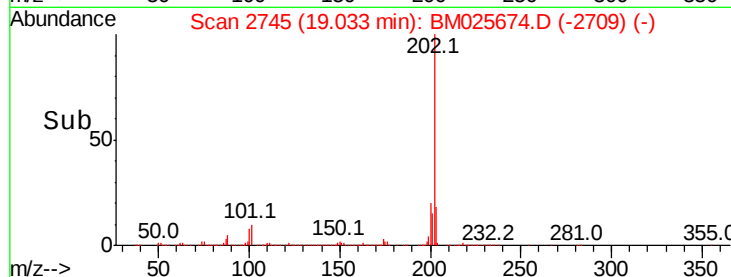
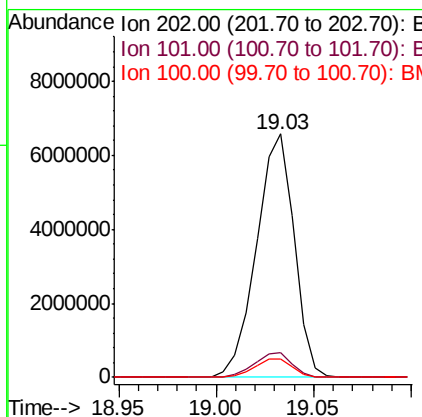
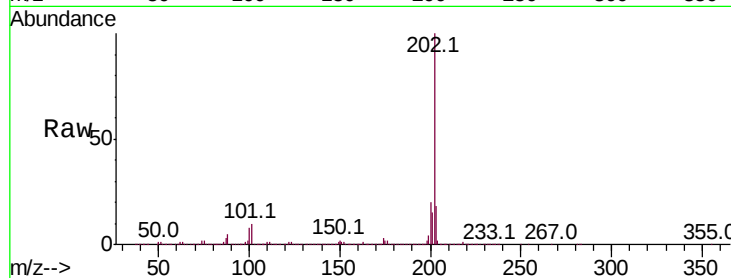
#77
 Fluoranthene
 Concen: 129.646 ng/ul
 RT: 19.03 min Scan# 2745
 Delta R.T. 0.01 min
 Lab File: BM025674.D
 Acq: 20 Mar 2020 23:07

Instrument :
 BNA_M
 ClientSampleId :
 B0AH3

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.2	12.4
100	7.7	6.5	9.7

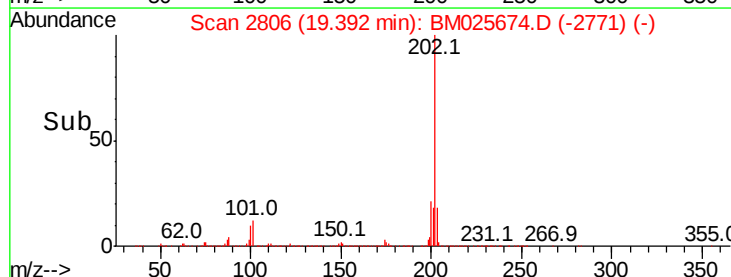
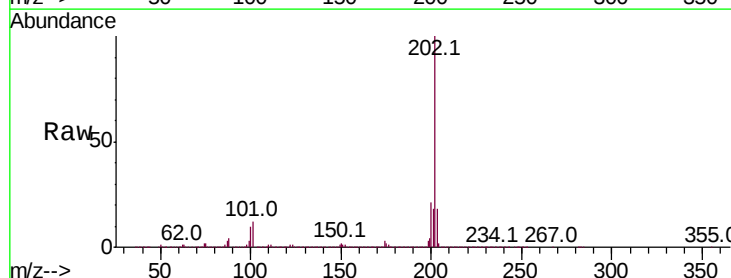
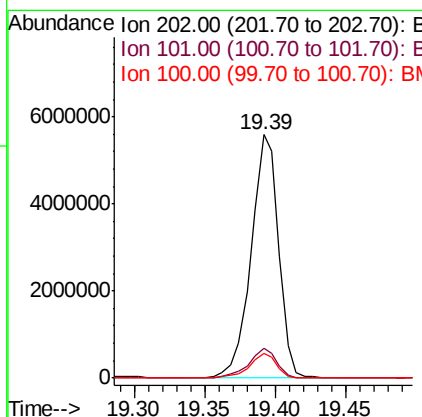
Manual Integrations
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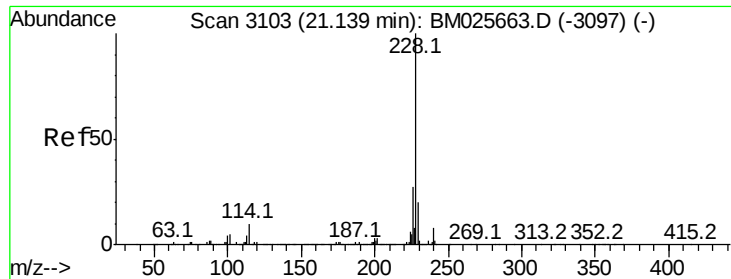
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#80
 Pyrene
 Concen: 117.031 ng/ul
 RT: 19.39 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM025674.D
 Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	8.9	13.3
100	10.4	7.5	11.3





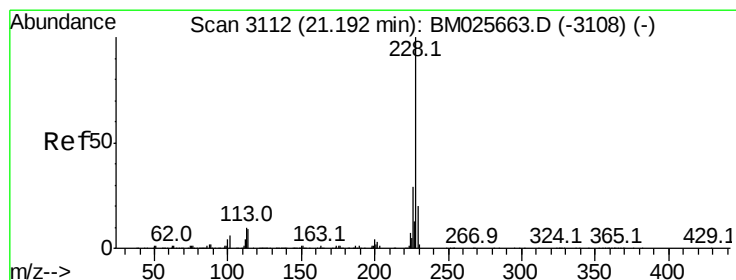
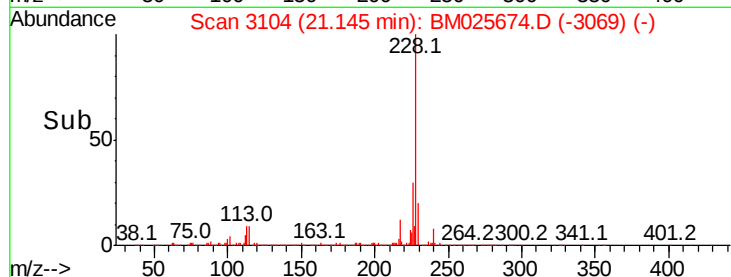
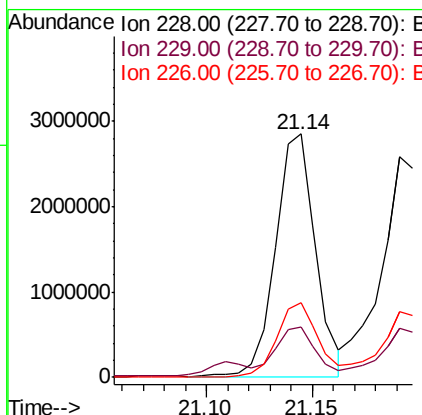
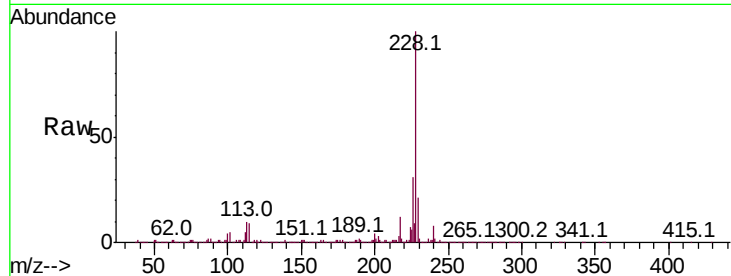
#83
Benzo(a)anthracene
Concen: 58.571 ng/ul
RT: 21.14 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Instrument :
BNA_M
ClientSampleId :
B0AH3

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.5	23.3
226	30.6	21.0	31.6

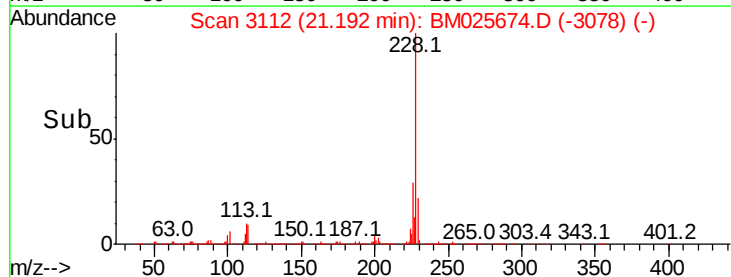
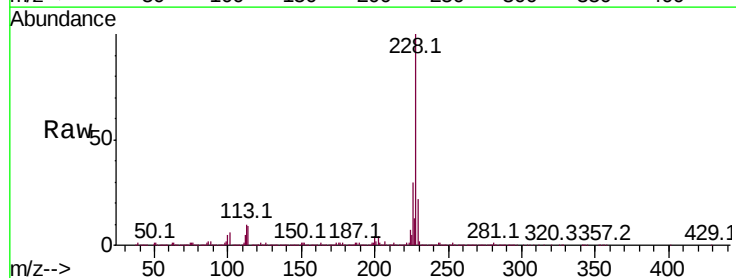
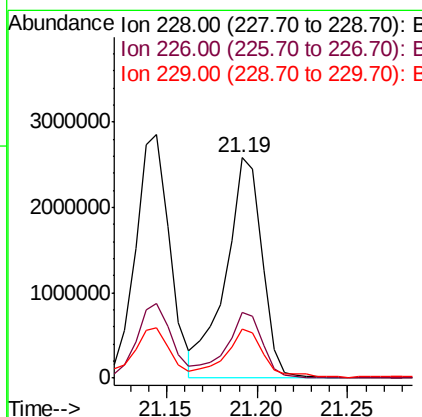
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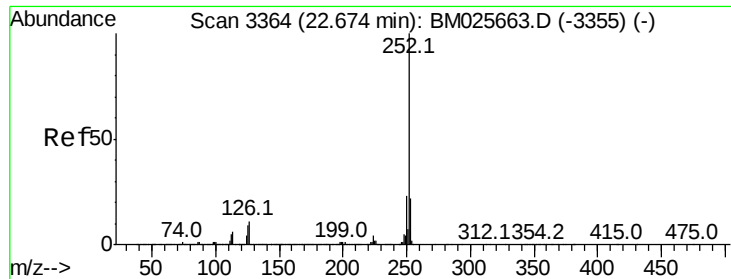
mohammad
3/23/2020 9:42:07 AM



#85
Chrysene
Concen: 57.197 ng/ul
RT: 21.19 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.0
229	22.1	15.6	23.4





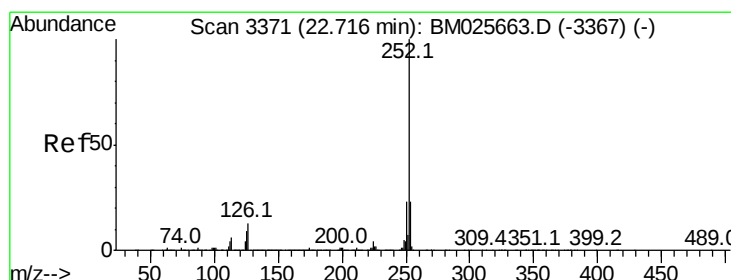
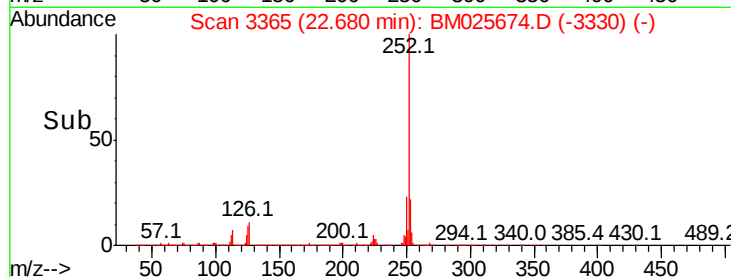
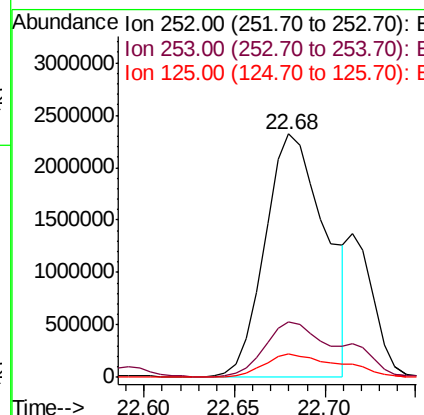
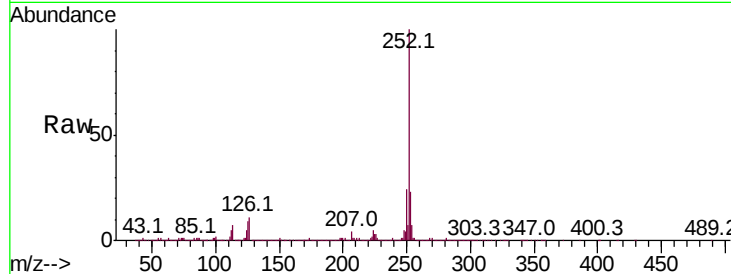
#88
Benzo(b)fluoranthene
Concen: 73.713 ng/ul
RT: 22.68 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Instrument :
BNA_M
ClientSampleId :
B0AH3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.4	6.7	10.1

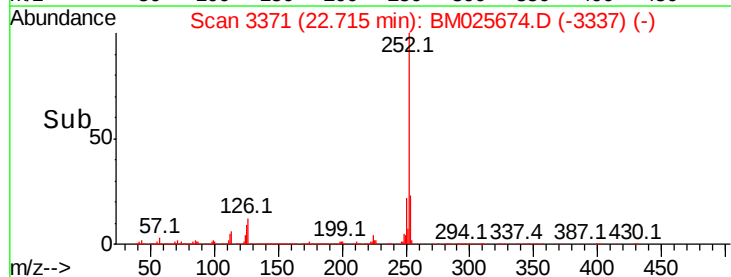
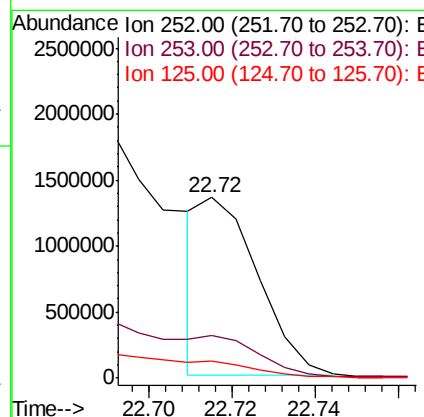
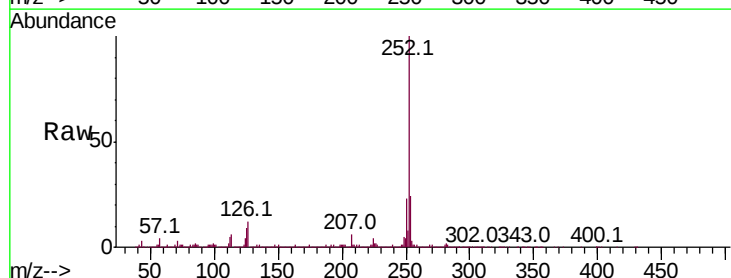
Manual Integrations
APPROVED

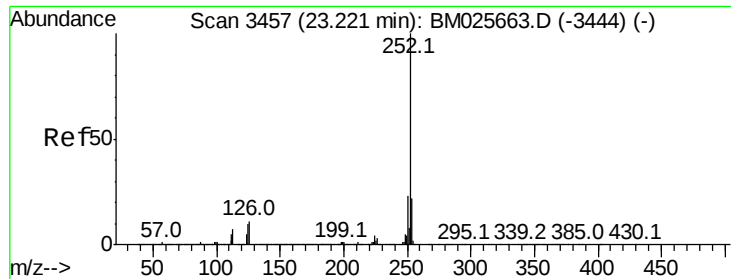
mohammad
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#89
Benzo(k)fluoranthene
Concen: 17.805 ng/ul m
RT: 22.72 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	9.4	6.9	10.3





#91

Benzo(a)pyrene

Concen: 54.979 ng/ul

RT: 23.23 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

Instrument :

BNA_M

ClientSampleId :

B0AH3

Tot Ion:252 Resp: 3655884

Ion Ratio Lower Upper

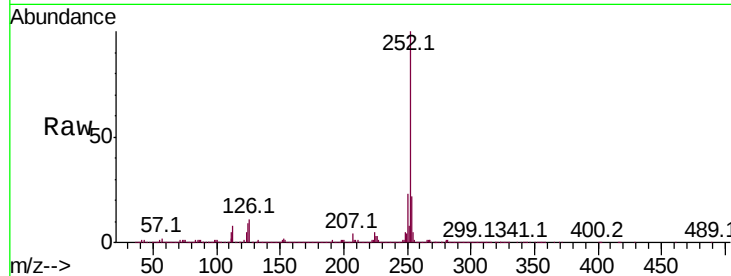
252 100

253 22.3 17.0 25.6

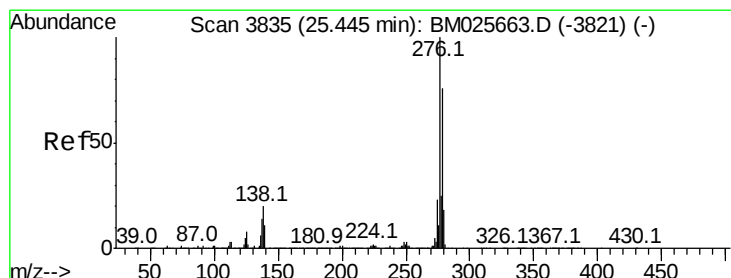
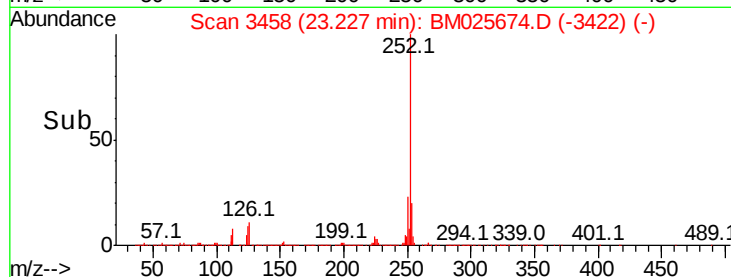
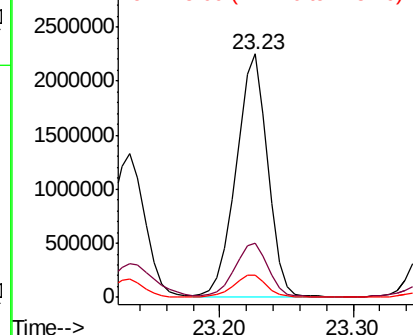
125 9.1 7.1 10.7

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 30.379 ng/ul

RT: 25.45 min Scan# 3836

Delta R.T. 0.01 min

Lab File: BM025674.D

Acq: 20 Mar 2020 23:07

Tgt Ion:276 Resp: 2667739

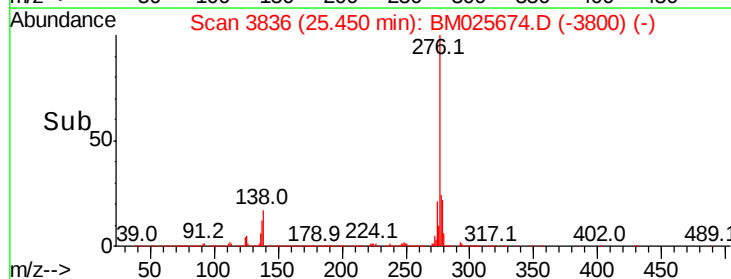
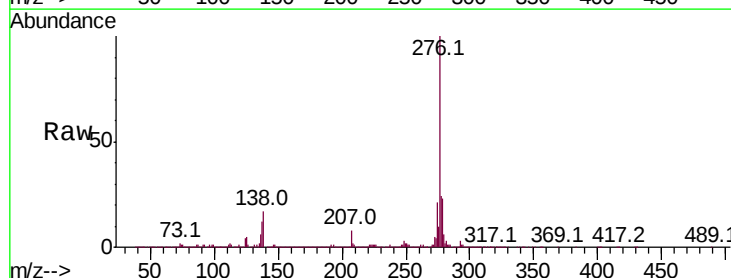
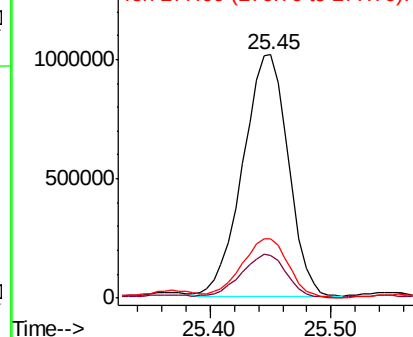
Ion Ratio Lower Upper

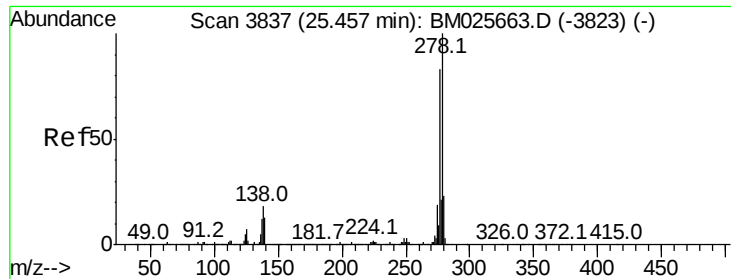
276 100

138 17.4 16.5 24.7

277 24.2 19.7 29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





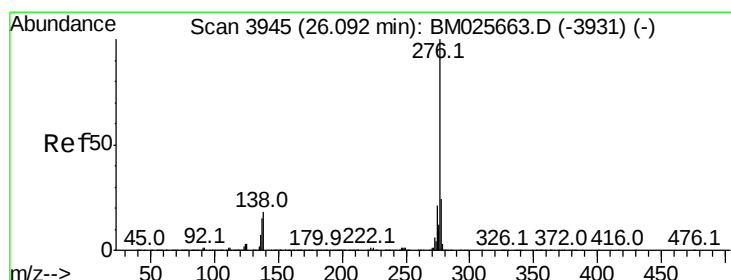
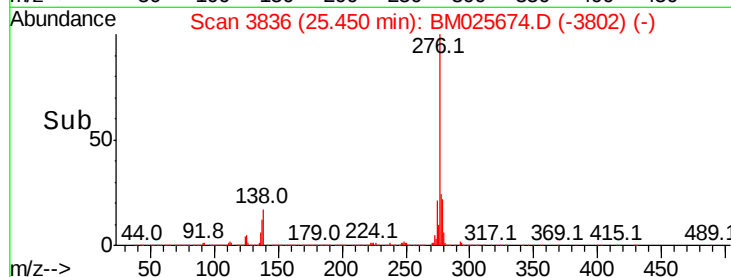
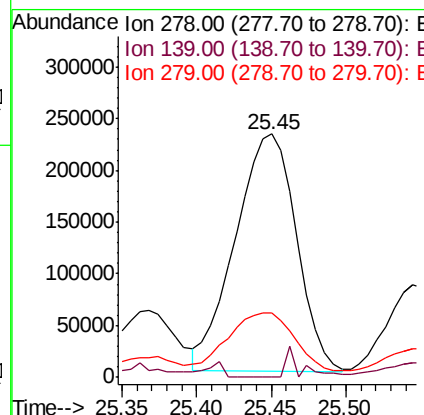
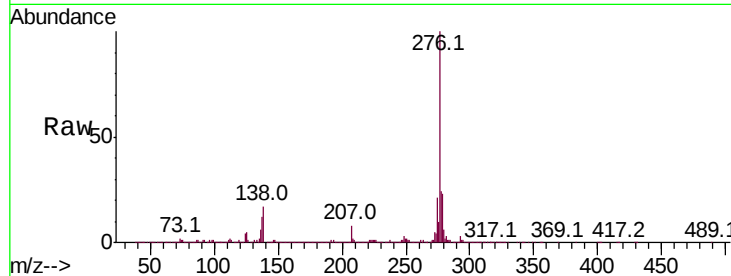
#93
Dibenzo(a,h)anthracene
Concen: 8.745 ng/ul
RT: 25.45 min Scan# 3836
Delta R.T. -0.00 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Instrument :
BNA_M
ClientSampleId :
B0AH3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.4	15.6#
279	26.7	18.6	28.0

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#94
Benzo(g,h,i)perylene
Concen: 25.795 ng/ul
RT: 26.10 min Scan# 3946
Delta R.T. 0.01 min
Lab File: BM025674.D
Acq: 20 Mar 2020 23:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.2	19.8
277	24.1	19.0	28.4

