

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025662.D
 Acq On : 20 Mar 2020 15:12
 Operator : CG/JU
 Sample : L1972-08DL 30X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 B0AH6DL

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:41:54 AM

Quant Time: Mar 20 16:03:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	180091	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	761584	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	467250	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	956871	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	946508	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	1065295	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	590	0.14	ng/uL	0.00
5) Phenol-d5	6.76	99	13987	0.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	7895	0.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	12006	1.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	10797	0.92	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	5540	0.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	5184	0.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	11633	0.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	13325	0.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	38202	1.08	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	45348	1.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	3499	0.52	ng/ul	0.00
58) Fluorene-d10	15.21	176	34833	1.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	1508	0.26	ng/ul	0.00
71) Anthracene-d10	17.06	188	57283	1.28	ng/ul	0.00
79) Pyrene-d10	19.36	212	55886	1.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	63458	1.16	ng/ul	0.00

Target Compounds

					Ovalue
48) Acenaphthylene	13.93	152	64077	1.391	ng/ul 98
50) Acenaphthene	14.28	153	129139	4.123	ng/ul 98
54) Dibenzofuran	14.62	168	79246	1.783	ng/ul 97
59) Fluorene	15.27	166	153501	4.107	ng/ul 99
70) Phenanthrene	17.00	178	2582537	45.852	ng/ul 99
72) Anthracene	17.09	178	603899	10.521	ng/ul 100
75) Carbazole	17.36	167	105066	2.094	ng/ul 98
77) Fluoranthene	19.03	202	4289781	64.615	ng/ul 100
80) Pyrene	19.39	202	3355003	52.778	ng/ul 99
83) Benzo(a)anthracene	21.14	228	1639830	26.278	ng/ul 97
85) Chrysene	21.19	228	1393949	22.768	ng/ul 97
88) Benzo(b)fluoranthene	22.68	252	2015773	30.327	ng/ul 98
89) Benzo(k)fluoranthene	22.72	252	662278m	10.114	ng/ul
91) Benzo(a)pyrene	23.22	252	1416095	23.411	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.44	276	1026679	12.852	ng/ul 96
93) Dibenzo(a,h)anthracene	25.44	278	260823m	3.856	ng/ul
94) Benzo(g,h,i)perylene	26.09	276	715943	10.874	ng/ul 99

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

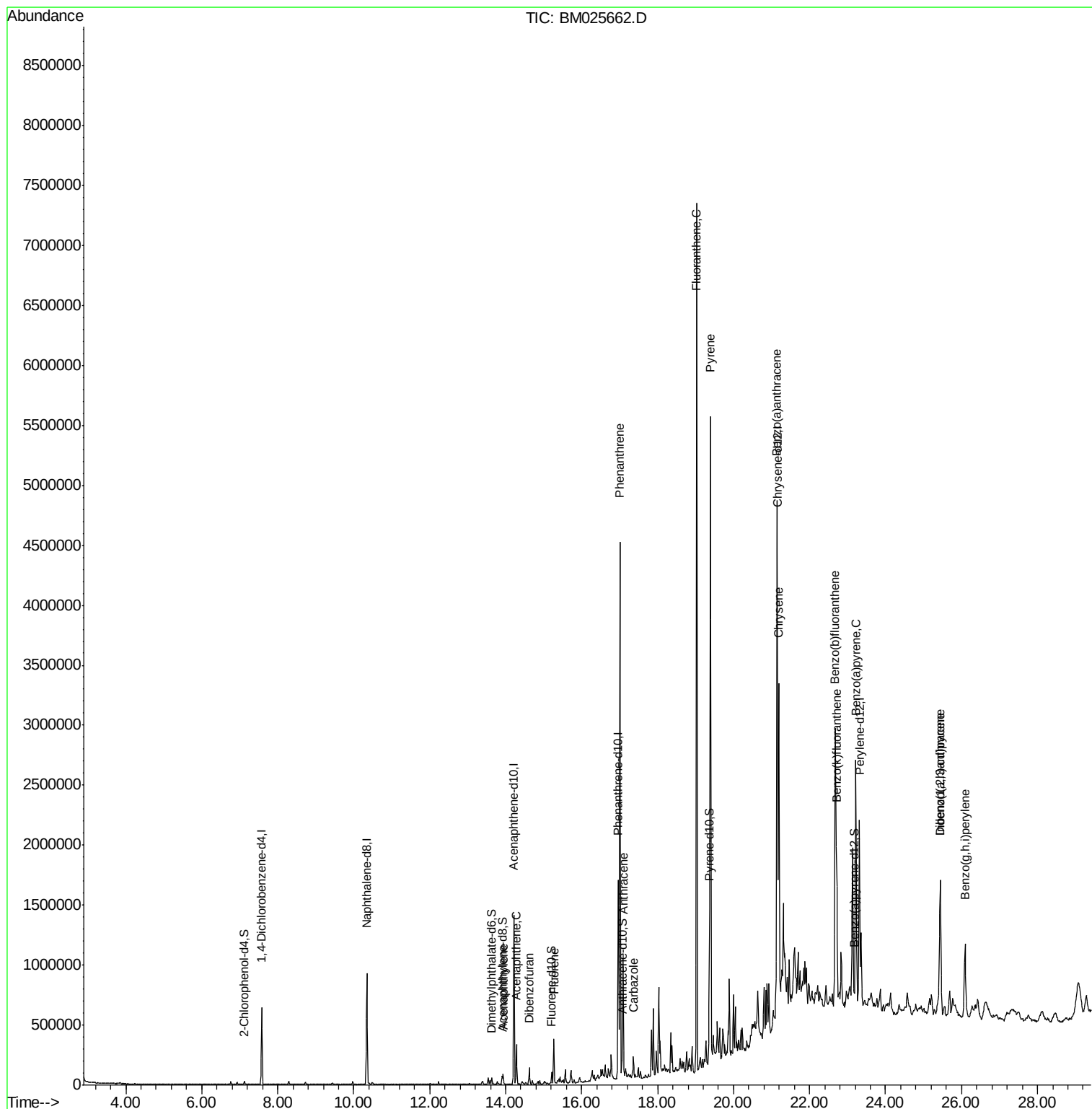
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025662.D
Acq On : 20 Mar 2020 15:12
Operator : CG/JU
Sample : L1972-08DL 30X
Misc :
ALS Vial : 10 Sample Multiplier: 1

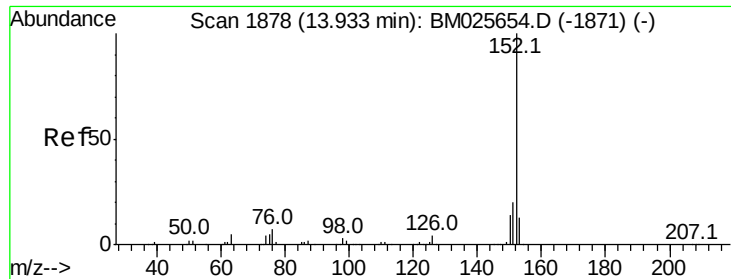
Instrument :
BNA_M
ClientSampleId :
B0AH6DL

Manual Integrations
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3/23/2020 9:41:54 AM

Quant Time: Mar 20 16:03:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 20 11:44:27 2020
Response via : Initial Calibration





#48

Acenaphthylene

Concen: 1.391 ng/ul

RT: 13.93 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BM025662.D

Acq: 20 Mar 2020 15:12

Instrument :

BNA_M

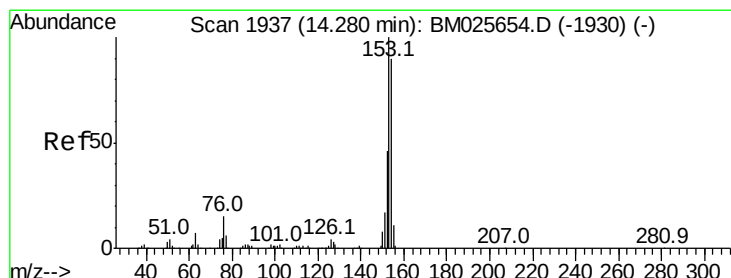
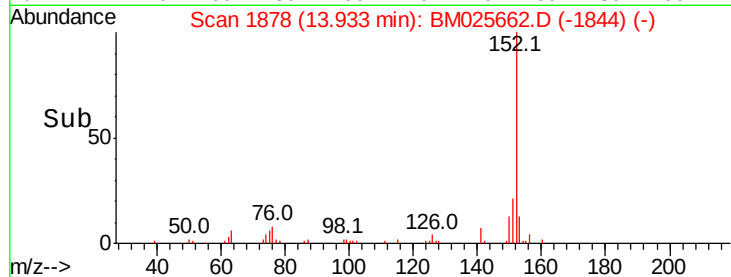
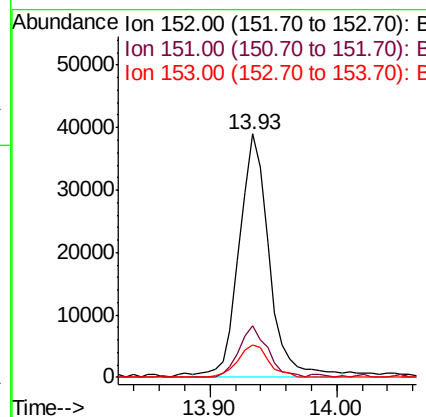
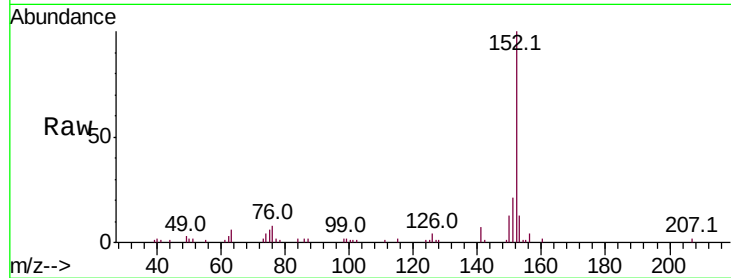
ClientSampleId :

B0AH6DL

Tot Ion:	152	Resp:	64077
Ion Ratio	Lower	Upper	
152	100		
151	21.0	15.8	23.6
153	13.5	10.6	16.0

Manual Integrations
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#50

Acenaphthene

Concen: 4.123 ng/ul

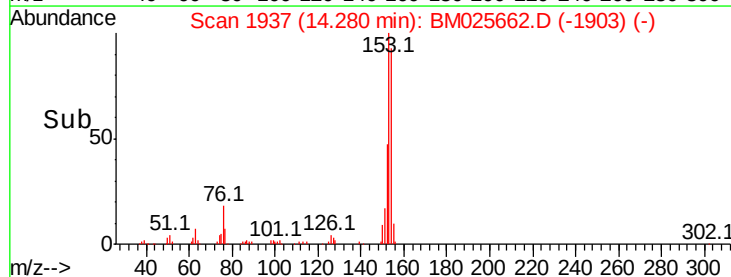
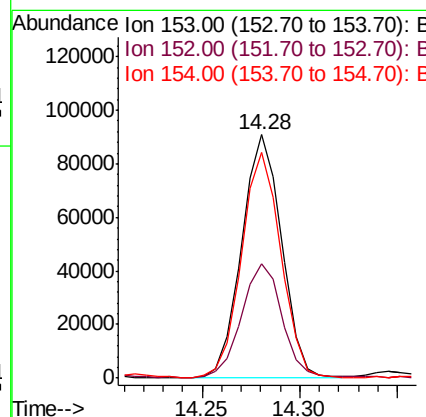
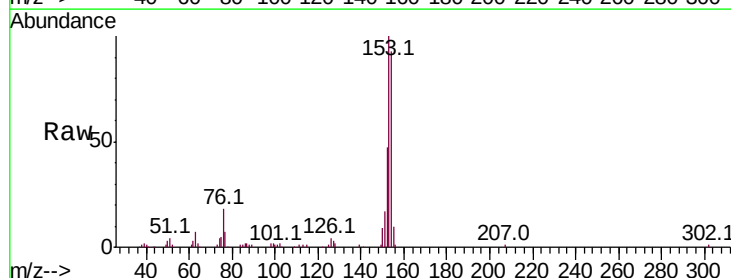
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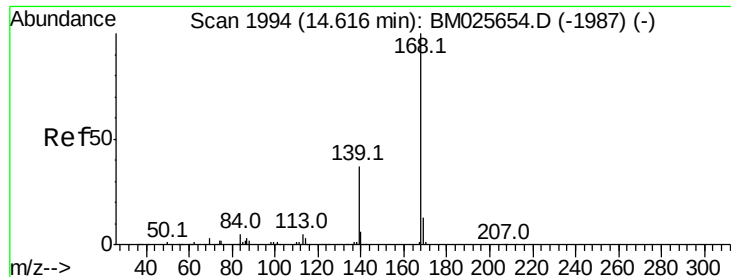
Delta R.T. -0.00 min

Lab File: BM025662.D

Acq: 20 Mar 2020 15:12

Tgt Ion:	153	Resp:	129139
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.6	56.4
154	92.6	72.2	108.2





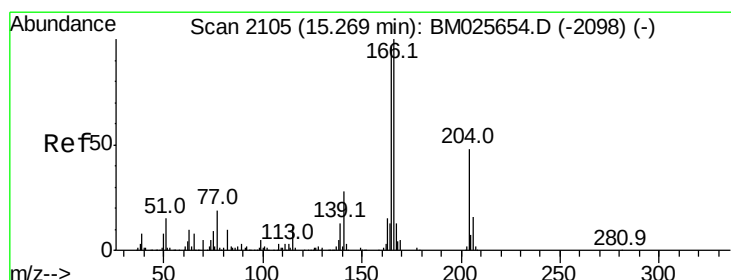
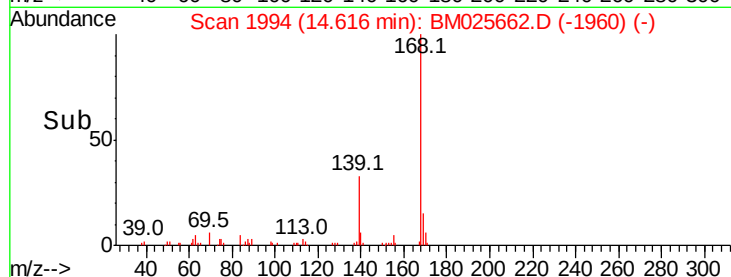
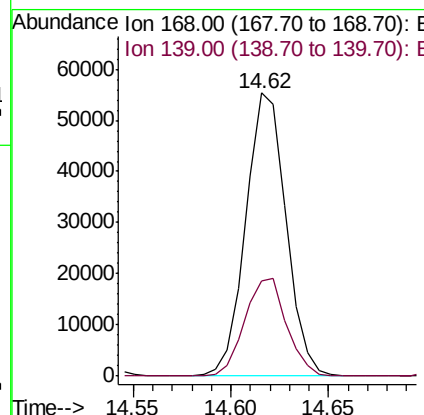
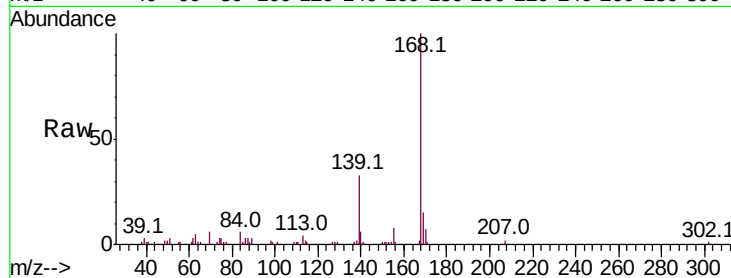
#54
Dibenzofuran
Concen: 1.783 ng/ul
RT: 14.62 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Instrument :
BNA_M
ClientSampleId :
B0AH6DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.5	28.2	42.2

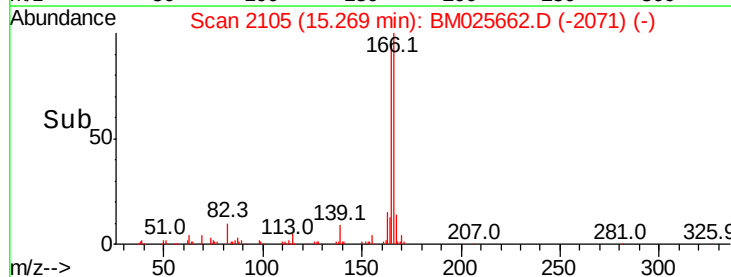
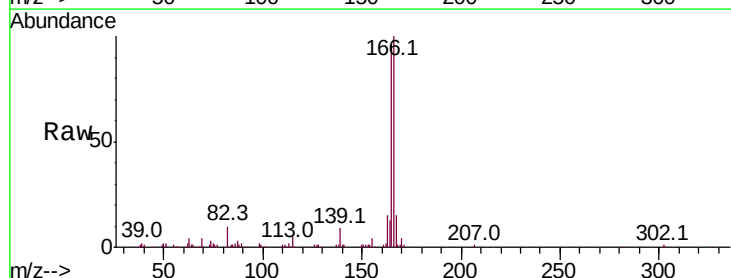
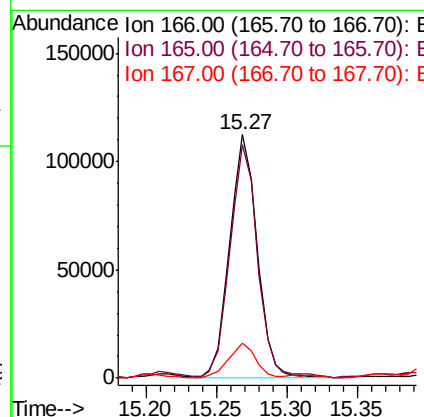
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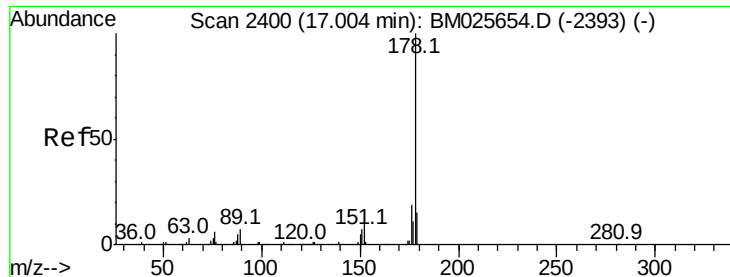
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#59
Fluorene
Concen: 4.107 ng/ul
RT: 15.27 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.2	115.8
167	14.5	11.2	16.8





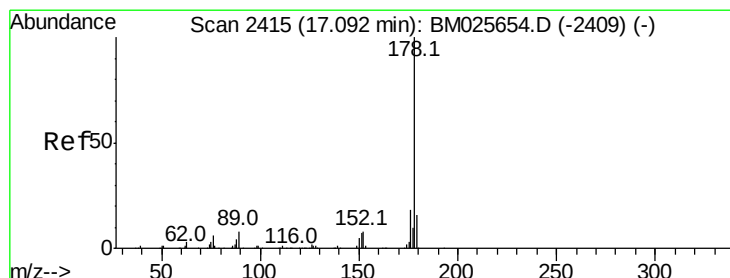
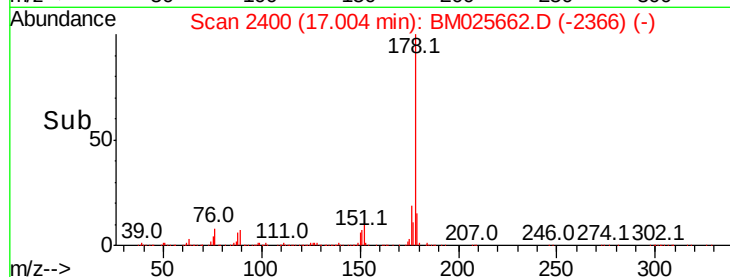
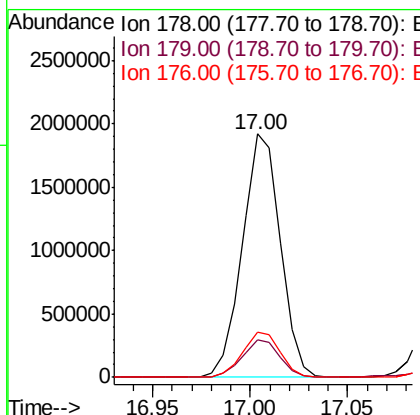
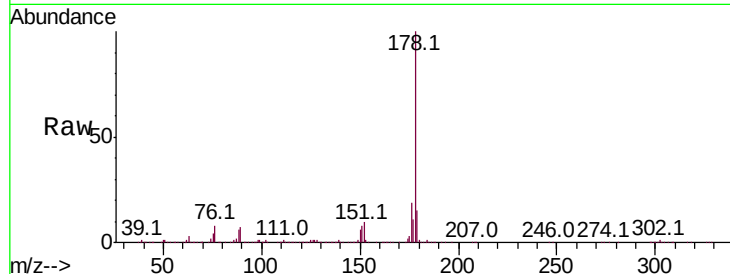
#70
Phenanthrene
Concen: 45.852 ng/ul
RT: 17.00 min Scan# 2400
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Instrument :
BNA_M
ClientSampleId :
B0AH6DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	18.7	15.3	22.9

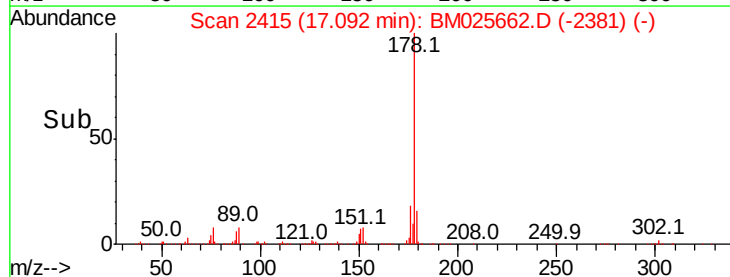
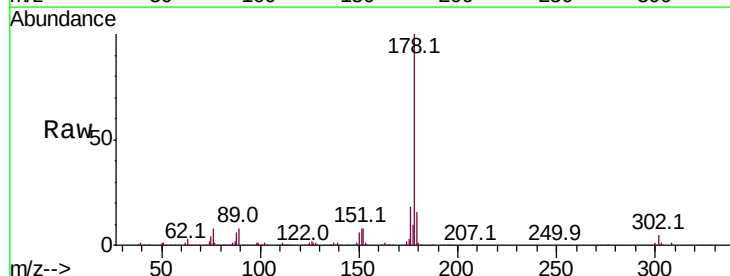
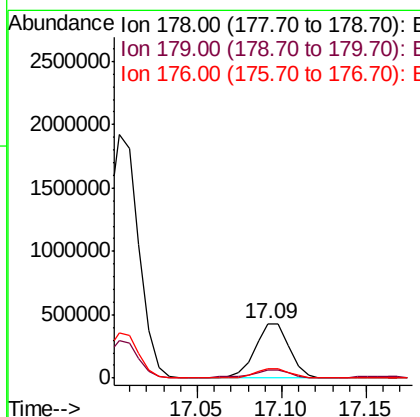
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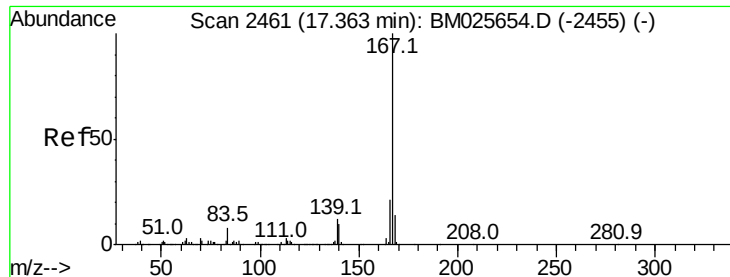
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#72
Anthracene
Concen: 10.521 ng/ul
RT: 17.09 min Scan# 2415
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7
176	17.8	14.5	21.7





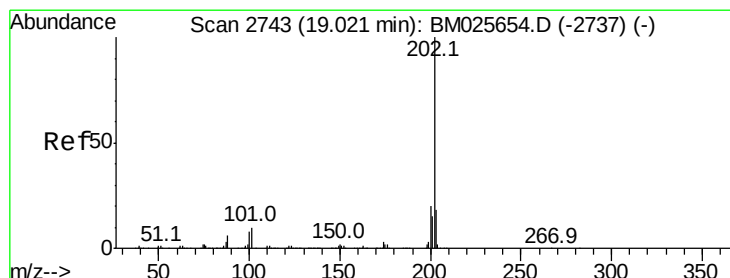
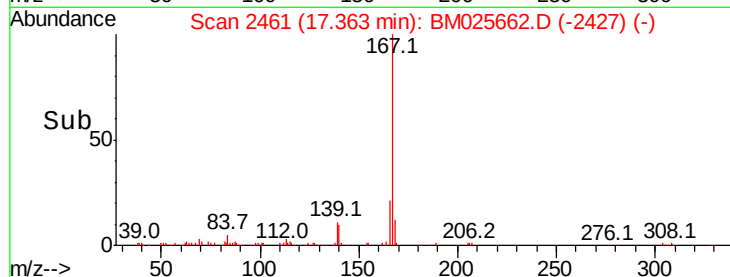
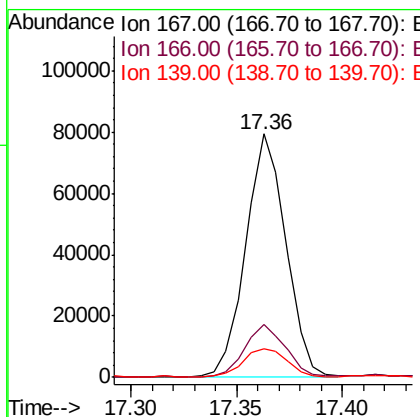
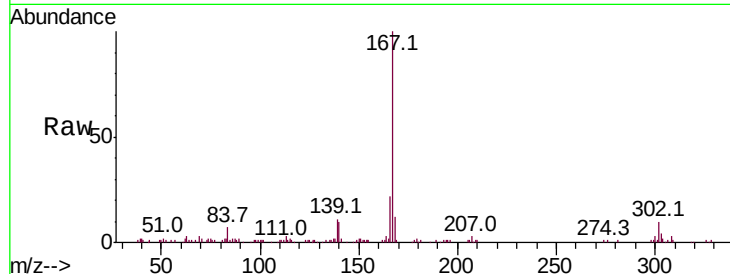
#75
 Carbazole
 Concen: 2.094 ng/ul
 RT: 17.36 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: BM025662.D
 Acq: 20 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampled :
 B0AH6DL

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.6	16.7	25.1	
139	11.5	9.8	14.8	

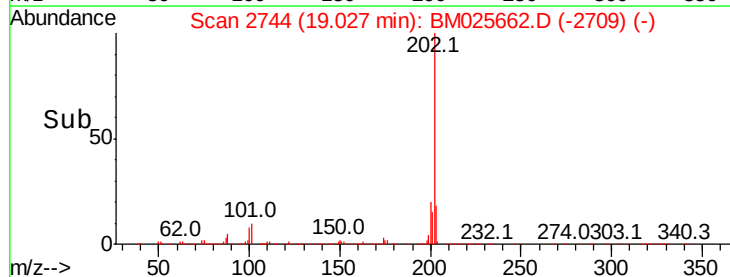
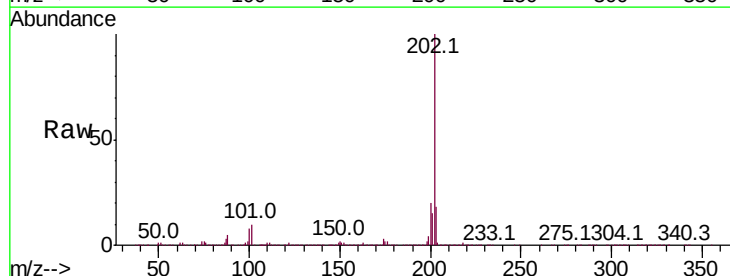
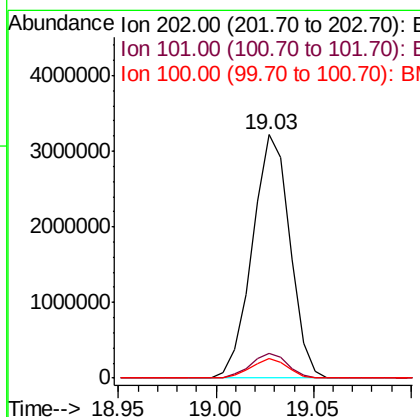
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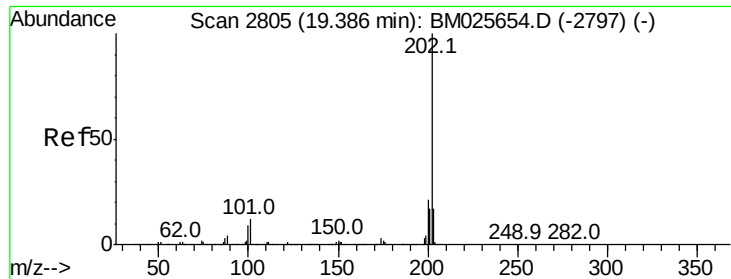
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#77
 Fluoranthene
 Concen: 64.615 ng/ul
 RT: 19.03 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: BM025662.D
 Acq: 20 Mar 2020 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.4	8.2	12.4	
100	8.1	6.5	9.7	





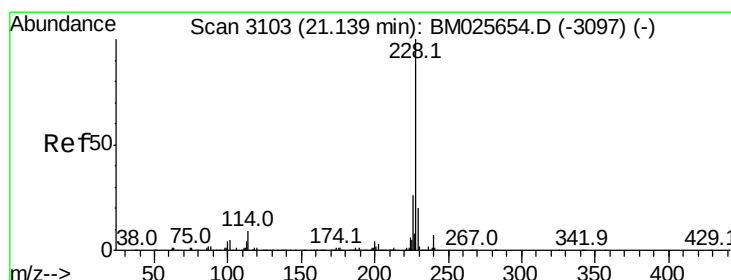
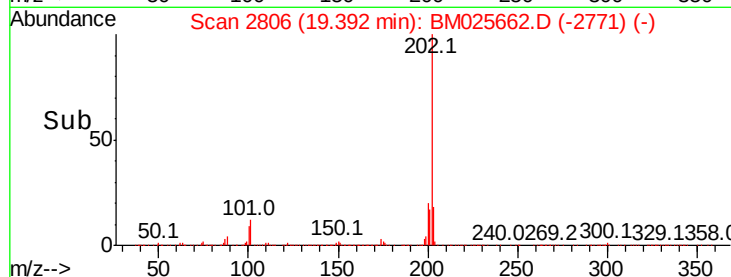
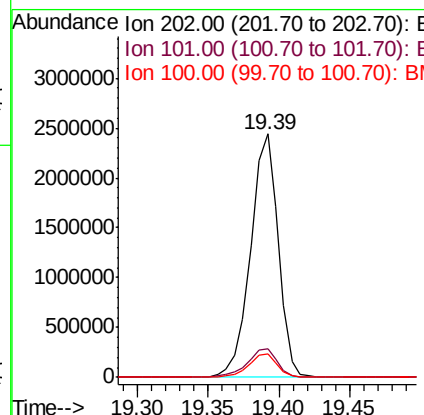
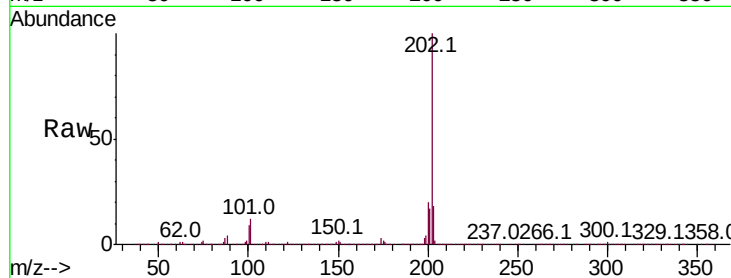
#80
Pvrene
Concen: 52.778 ng/ul
RT: 19.39 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Instrument :
BNA_M
ClientSampleId :
B0AH6DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.9	13.3
100	9.5	7.5	11.3

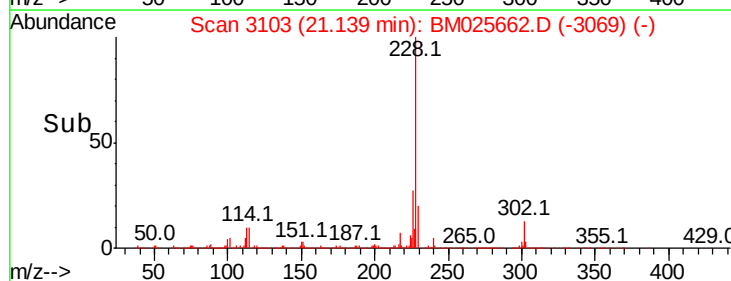
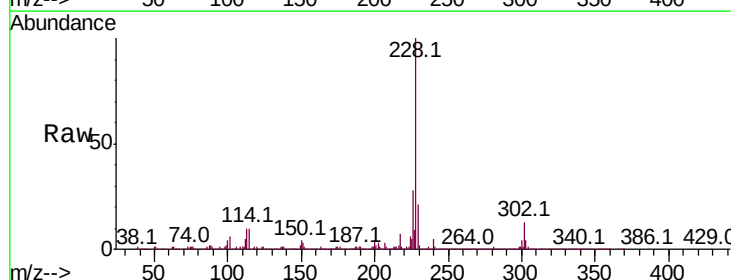
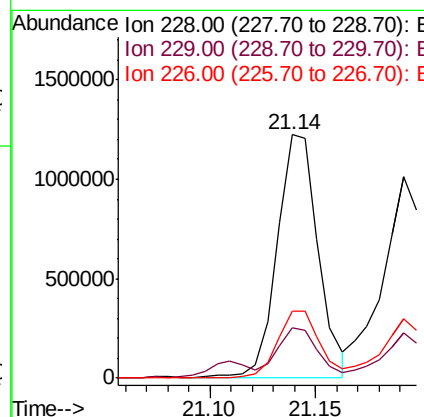
Manual Integrations
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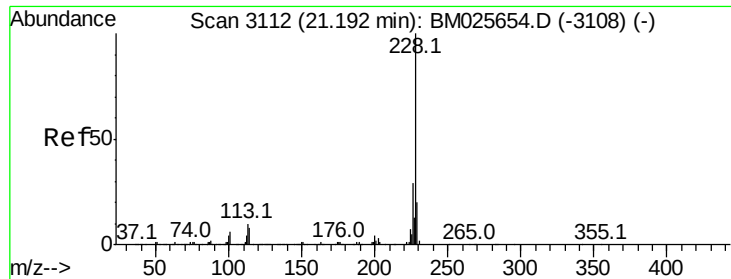
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#83
Benzo(a)anthracene
Concen: 26.278 ng/ul
RT: 21.14 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.5	23.3
226	27.5	21.0	31.6





#85

Chrysene

Concen: 22.768 ng/ul

RT: 21.19 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BM025662.D

Acq: 20 Mar 2020 15:12

Instrument :

BNA_M

ClientSampleId :

B0AH6DL

Tot Ion:228 Resp: 1393949

Ion Ratio Lower Upper

228 100

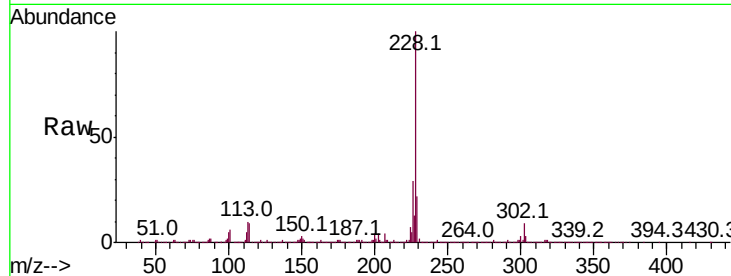
226 29.2 23.4 35.0

229 22.3 15.6 23.4

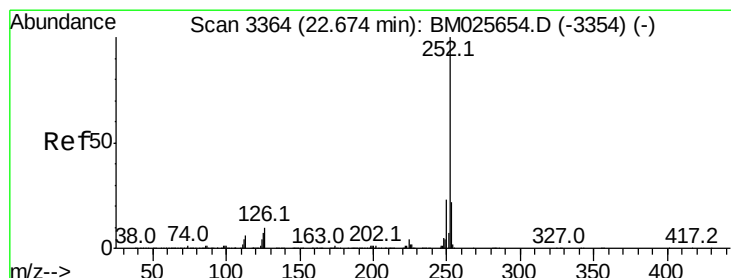
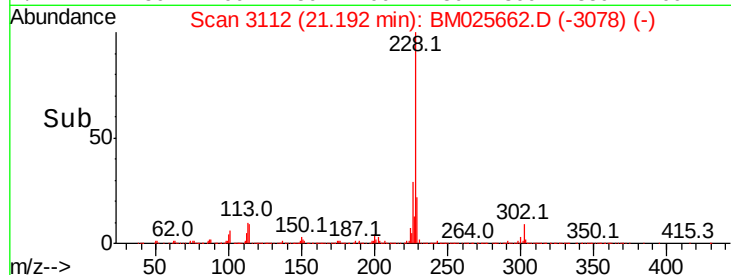
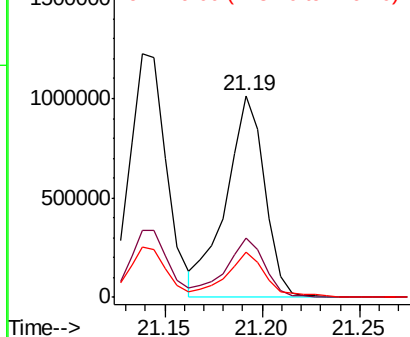
Manual Integrations
APPROVED

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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: 30.327 ng/ul

RT: 22.68 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM025662.D

Acq: 20 Mar 2020 15:12

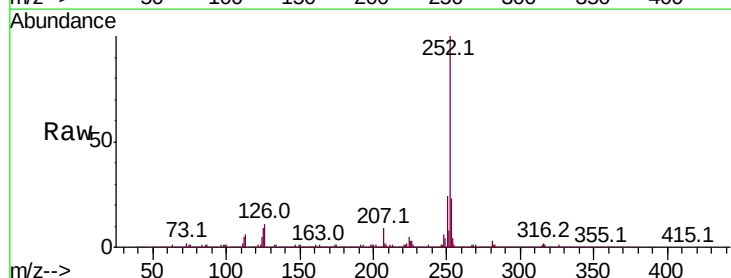
Tgt Ion:252 Resp: 2015773

Ion Ratio Lower Upper

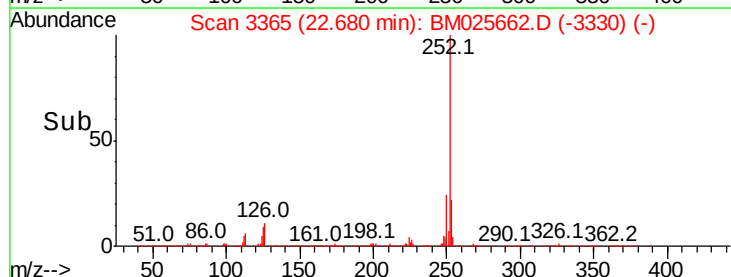
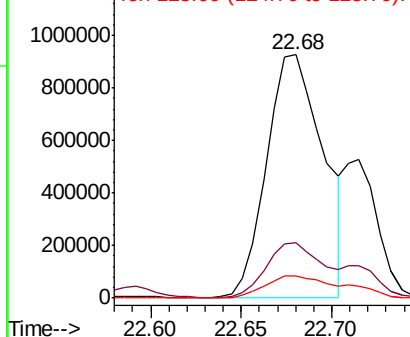
252 100

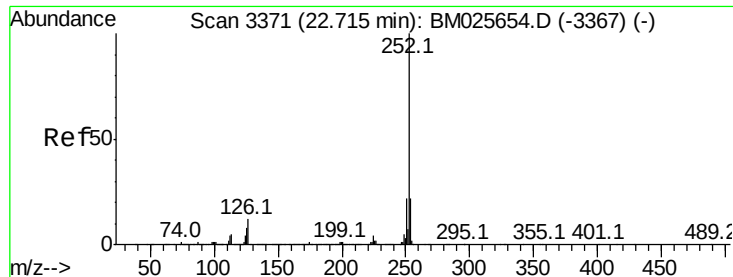
253 22.6 17.5 26.3

125 9.2 6.7 10.1



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





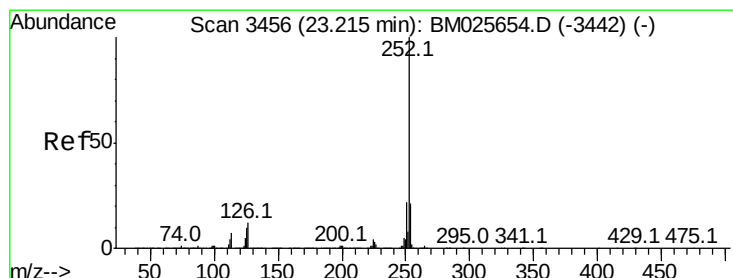
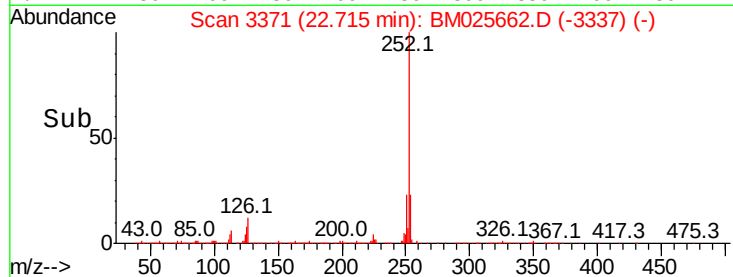
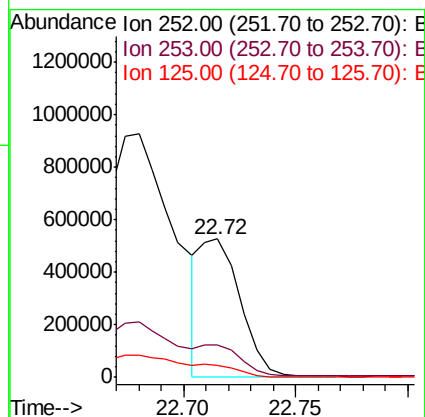
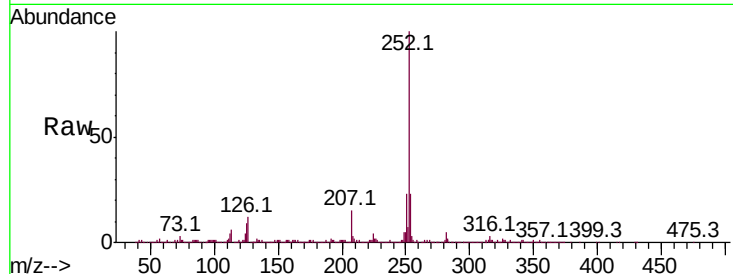
#89
Benzo(k)fluoranthene
Concen: 10.114 ng/ul m
RT: 22.72 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Instrument :
BNA_M
ClientSampleId :
B0AH6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	8.6	6.9	10.3

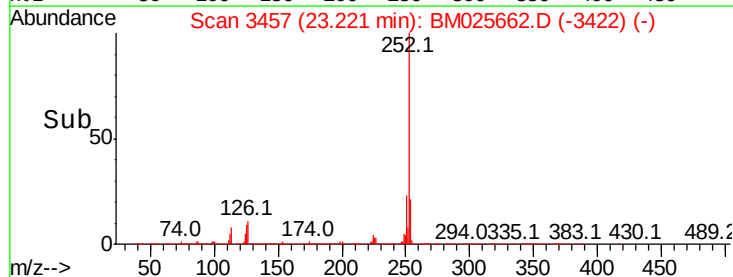
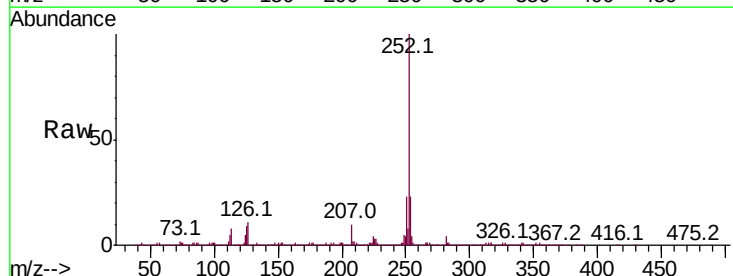
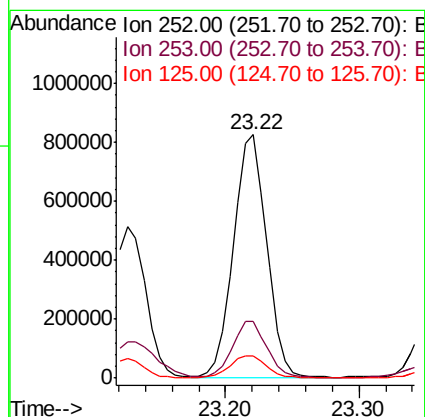
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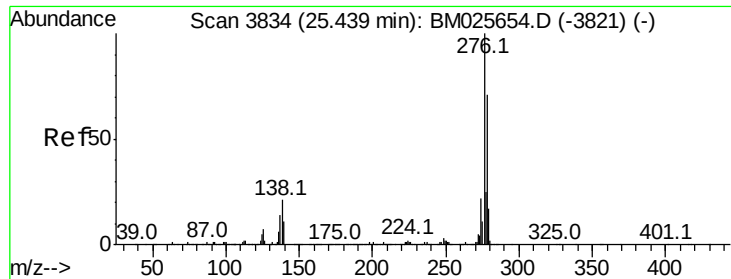
mohammad
3/23/2020 9:41:54 AM



#91
Benzo(a)pyrene
Concen: 23.411 ng/ul
RT: 23.22 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BM025662.D
Acq: 20 Mar 2020 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	9.3	7.1	10.7





#92
 Indeno(1,2,3-cd)pyrene
 Concen: 12.852 ng/ul
 RT: 25.44 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: BM025662.D
 Acq: 20 Mar 2020 15:12

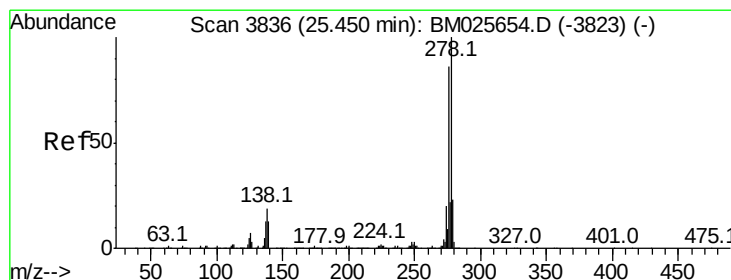
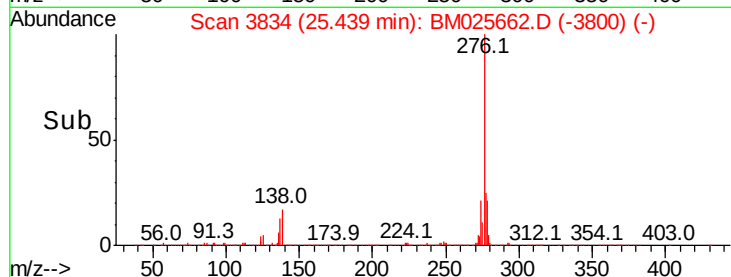
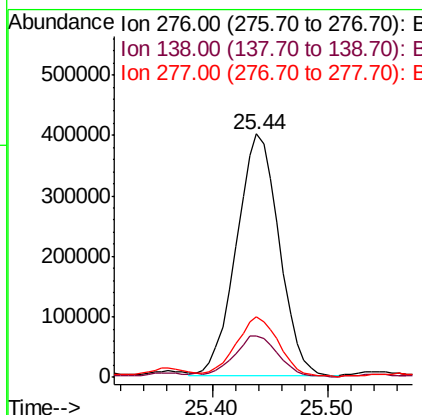
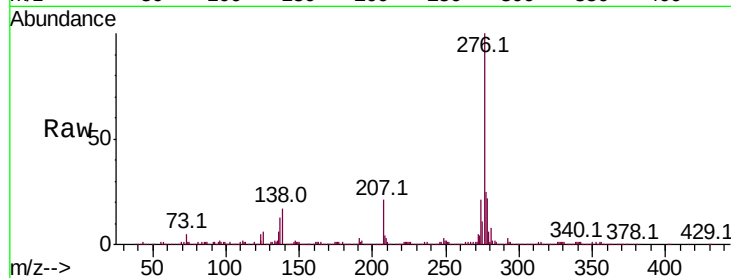
Instrument :
 BNA_M
 ClientSampleID :
 B0AH6DL

Tot Ion:276 Resp: 1026679

Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.5	24.7
277	25.1	19.7	29.5

Manual Integrations
 APPROVED

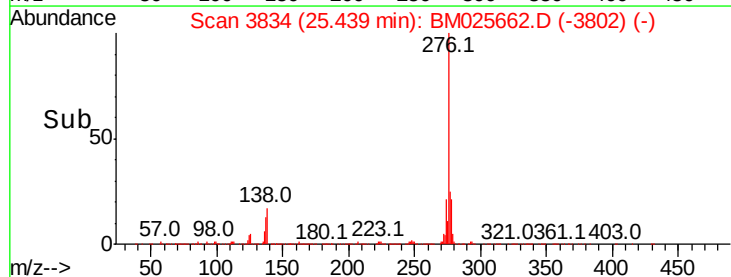
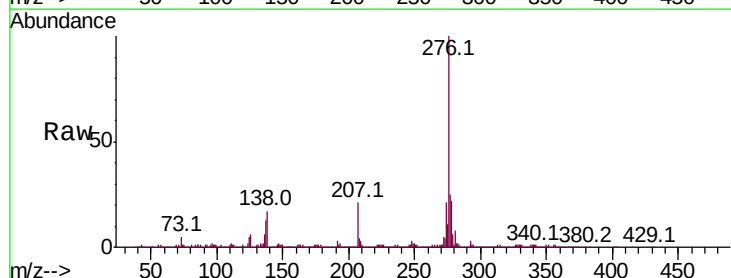
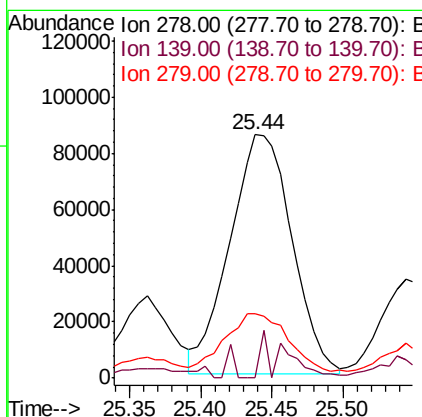
mohammad
 3/23/2020 9:41:54 AM

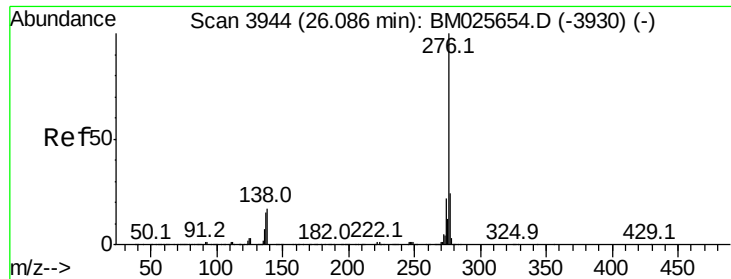


#93
 Dibenzo(a,h)anthracene
 Concen: 3.856 ng/ul m
 RT: 25.44 min Scan# 3834
 Delta R.T. -0.01 min
 Lab File: BM025662.D
 Acq: 20 Mar 2020 15:12

Tgt Ion:278 Resp: 260823

Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.4	15.6#
279	26.4	18.6	28.0





#94
 Benzo(a,h,i)perylene
 Concen: 10.874 ng/ul
 RT: 26.09 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: BM025662.D
 Acq: 20 Mar 2020 15:12

Instrument :
 BNA_M
 ClientSampleId :
 B0AH6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.2	19.8
277	23.8	19.0	28.4

Manual Integrations
 APPROVED

mohammad
 3/23/2020 9:41:54 AM

