

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
 Data File : BM026982.D
 Acq On : 03 Aug 2020 17:22
 Operator : JU/CG
 Sample : L3424-15 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0S90

Manual Integrations
 APPROVED

mohammad
 8/5/2020 10:26:12 AM

Quant Time: Aug 03 17:56:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 10:21:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	114737	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	450848	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	272682	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	545611	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	521284	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	520147	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1969	0.78	ng/uL	0.00
5) Phenol-d5	6.84	99	52165	5.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	35397	5.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	39838	5.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	41543	5.37	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	19130	5.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	18994	5.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	41452	5.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	19013	2.08	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	120701	5.64	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	151406	5.57	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	17893	4.95	ng/ul	0.00
58) Fluorene-d10	15.29	176	103921	5.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	10885	4.48	ng/ul	0.00
71) Anthracene-d10	17.13	188	153876	5.64	ng/ul	0.00
79) Pyrene-d10	19.43	212	157234	5.65	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	158126	5.39	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.49	128	113438	4.504	ng/ul 97
34) 2-Methylnaphthalene	12.10	142	41602	2.336	ng/ul 99
45) Dimethylphthalate	13.75	163	43543	1.940	ng/ul 98
48) Acenaphthylene	14.01	152	370825	13.414	ng/ul 99
54) Dibenzofuran	14.69	168	121288	4.594	ng/ul 99
59) Fluorene	15.34	166	27082m	1.218	ng/ul
70) Phenanthrene	17.07	178	454347	13.719	ng/ul 100
72) Anthracene	17.17	178	697974	20.504	ng/ul 99
75) Carbazole	17.43	167	152590	5.071	ng/ul 96
77) Fluoranthene	19.10	202	2572370	65.781	ng/ul 100
80) Pyrene	19.46	202	3115504	82.147	ng/ul 98
83) Benzo(a)anthracene	21.22	228	1650352m	45.932	ng/ul
85) Chrysene	21.27	228	2140818	61.099	ng/ul 97
88) Benzo(b)fluoranthene	22.80	252	6069464	163.117	ng/ul 98
89) Benzo(k)fluoranthene	22.83	252	1419162m	39.747	ng/ul
91) Benzo(a)pyrene	23.35	252	1570258	46.767	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.67	276	2222270	53.352	ng/ul 95
93) Dibenzo(a,h)anthracene	25.67	278	550521	15.627	ng/ul# 85
94) Benzo(g,h,i)perylene	26.33	276	549696	15.960	ng/ul 98

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

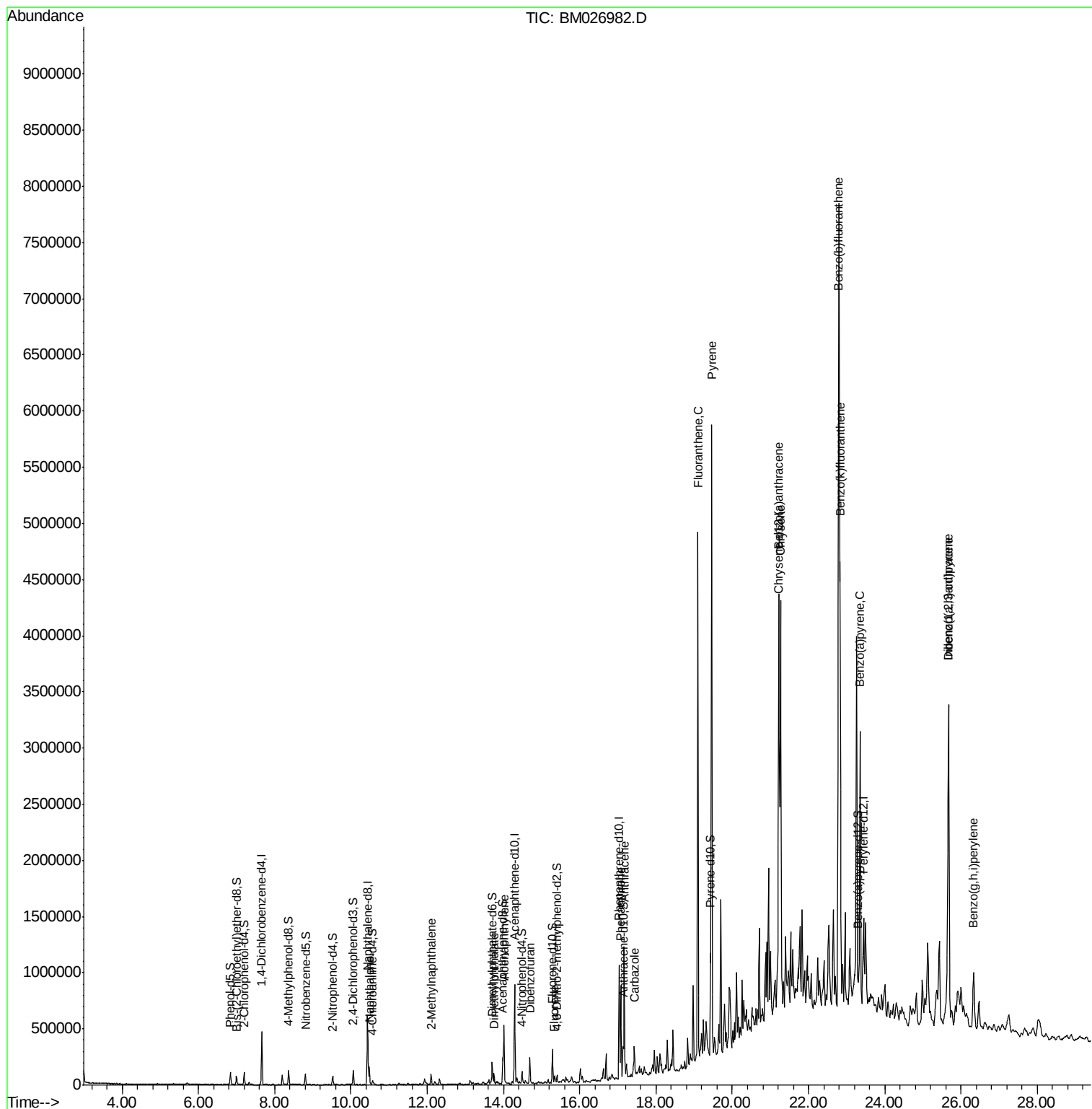
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
Data File : BM026982.D
Acq On : 03 Aug 2020 17:22
Operator : JU/CG
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Misc :
ALS Vial : 9 Sample Multiplier: 1

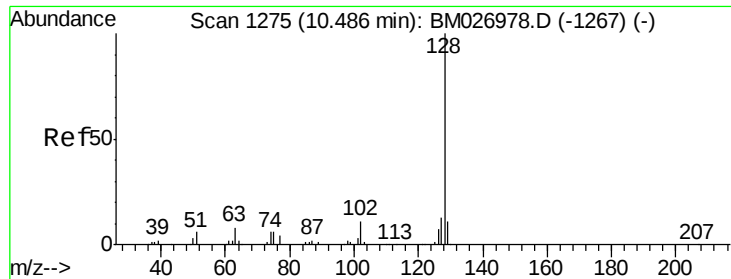
Instrument :
BNA_M
ClientSampleId :
C0S90

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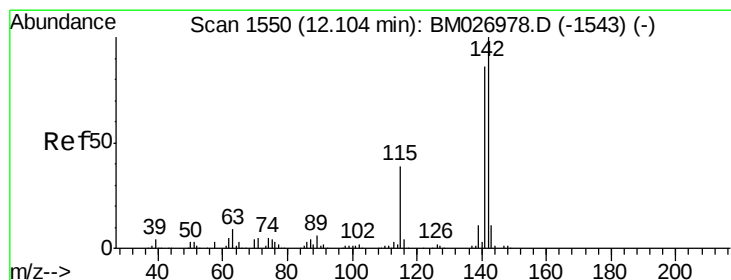
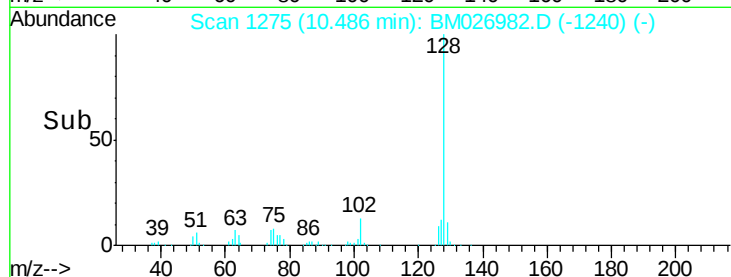
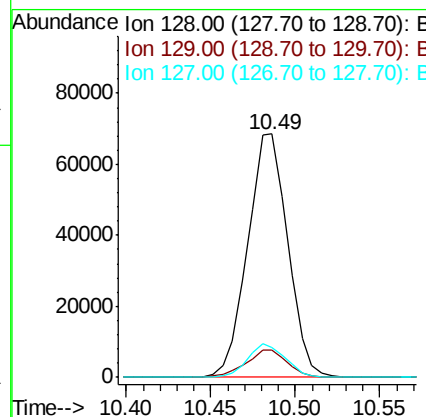
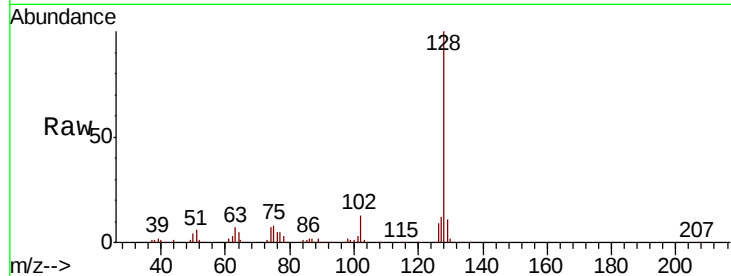
#28
Naphthalene
Concen: 4.504 ng/ul
RT: 10.49 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.3	12.5
127	12.4	11.0	16.6

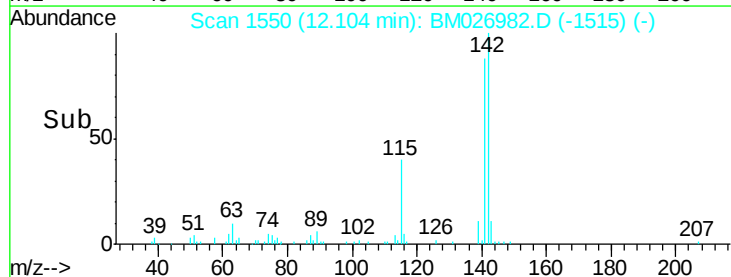
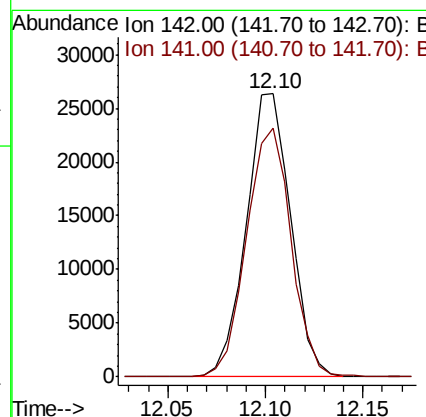
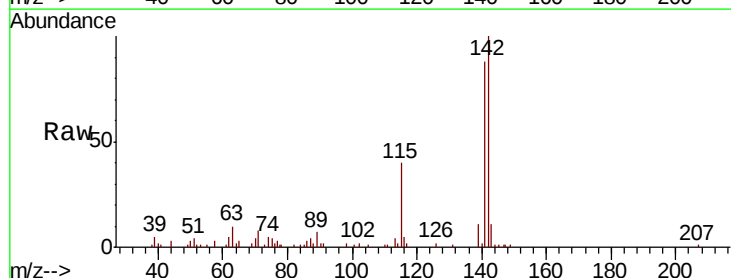
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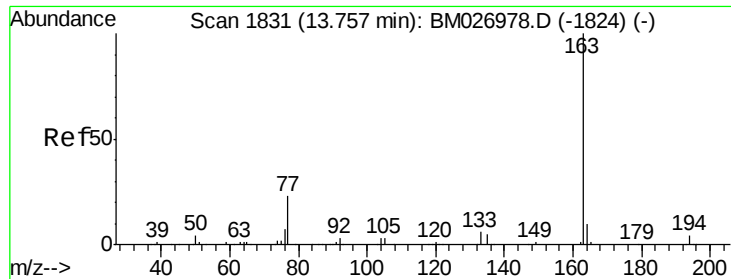
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#34
2-Methylnaphthalene
Concen: 2.336 ng/ul
RT: 12.10 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.1	106.7





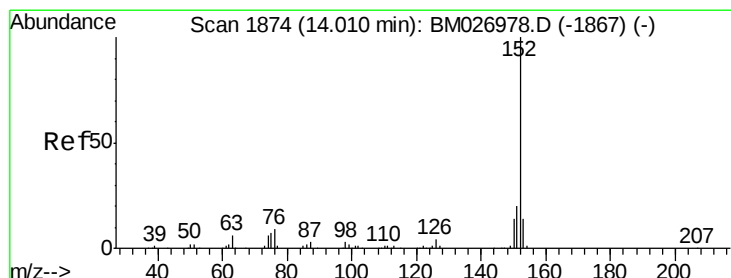
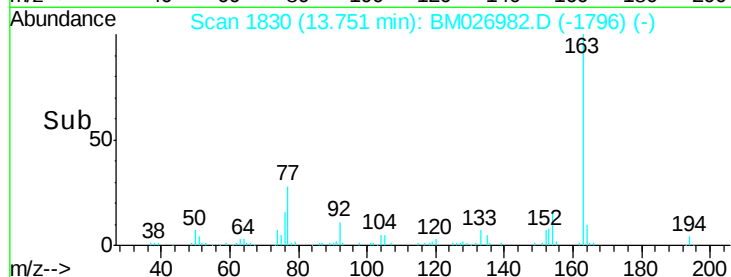
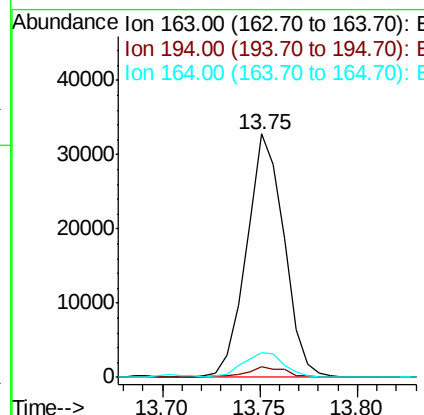
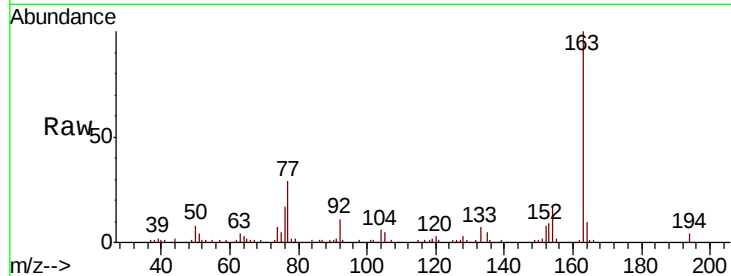
#45
Dimethylphthalate
Concen: 1.940 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.0	8.6	12.8

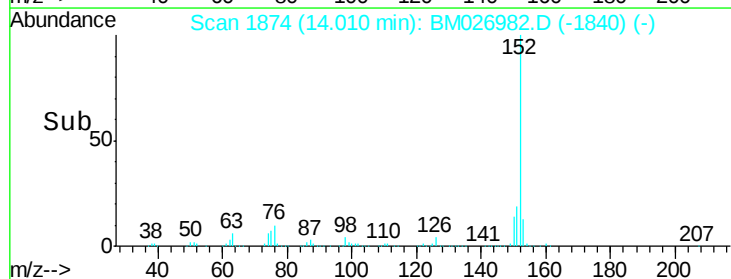
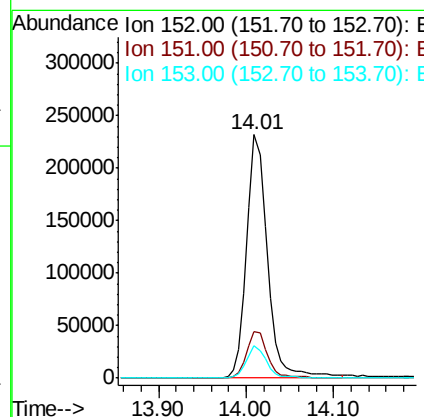
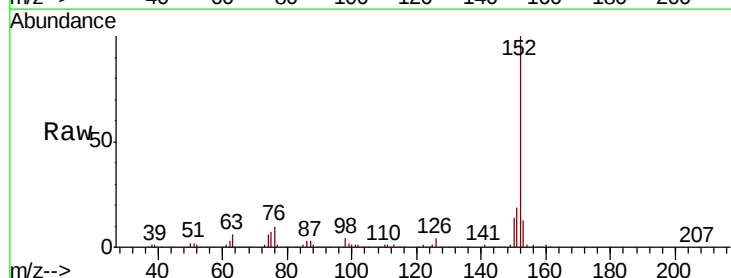
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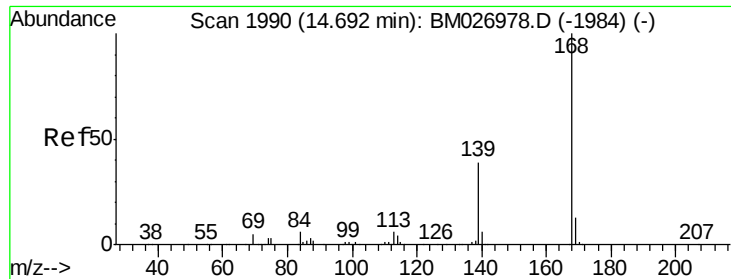
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#48
Acenaphthylene
Concen: 13.414 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.1	10.7	16.1





#54

Dibenzofuran

Concen: 4.594 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM026982.D

Acq: 03 Aug 2020 17:22

Instrument :

BNA_M

ClientSampleId :

C0S90

Tot Ion:168 Resp: 121288

Ion Ratio Lower Upper

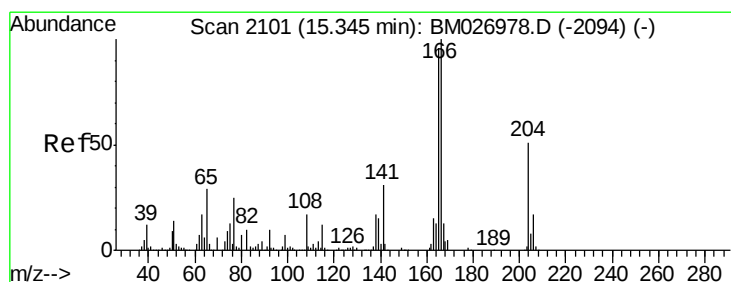
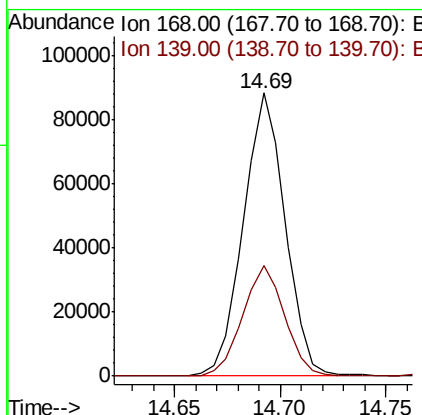
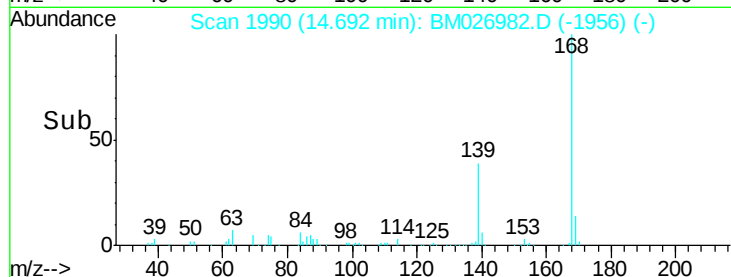
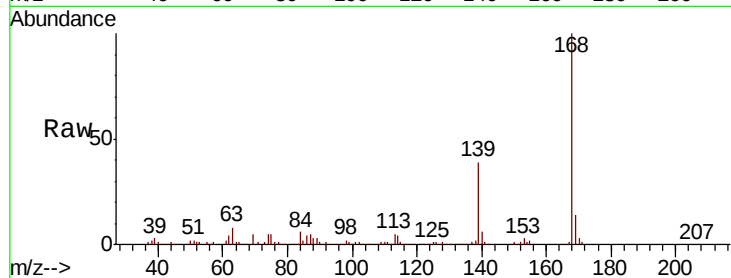
168 100

139 38.9 30.8 46.2

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#59

Fluorene

Concen: 1.218 ng/ul m

RT: 15.34 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BM026982.D

Acq: 03 Aug 2020 17:22

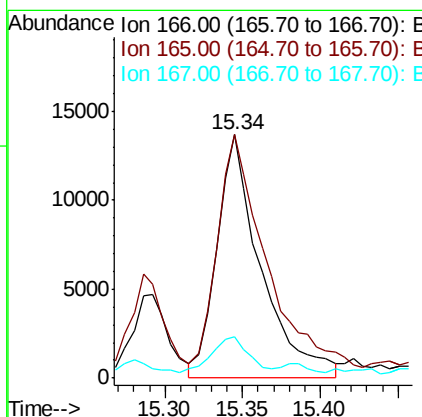
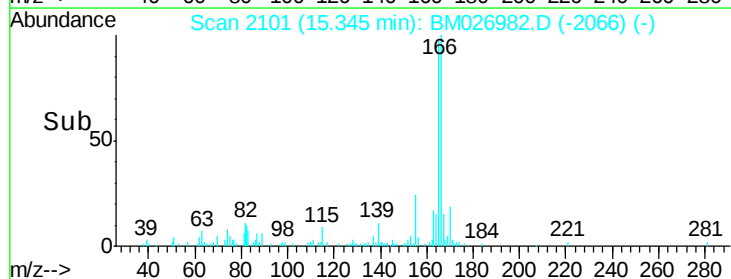
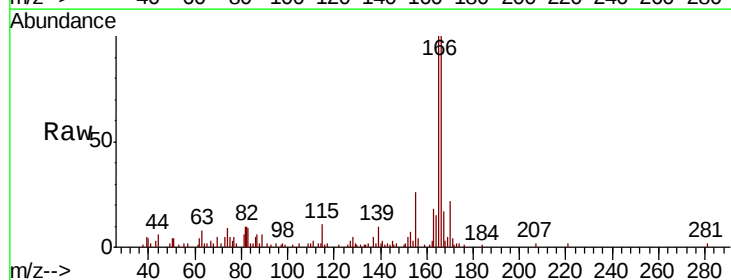
Tgt Ion:166 Resp: 27082

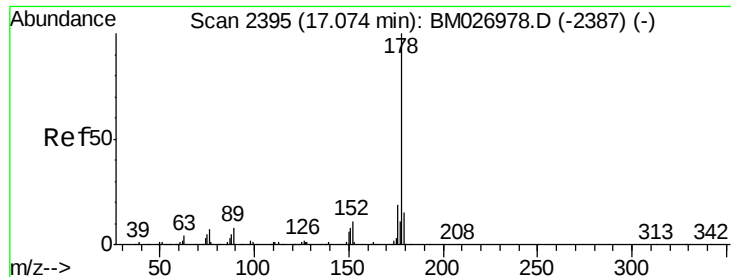
Ion Ratio Lower Upper

166 100

165 99.9 78.2 117.2

167 17.0 10.3 15.5#





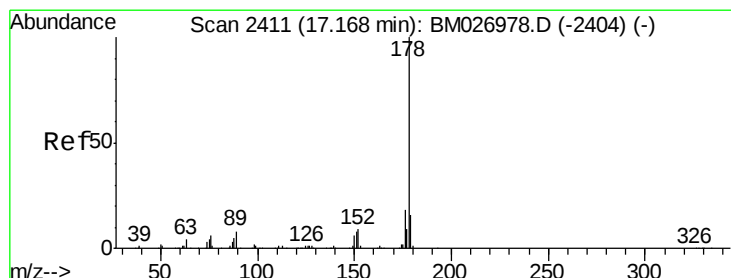
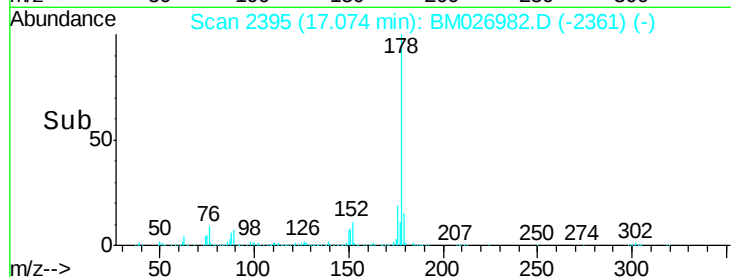
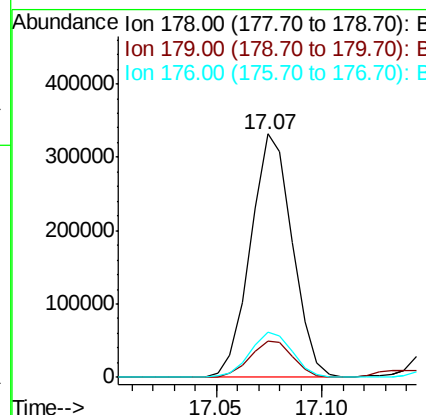
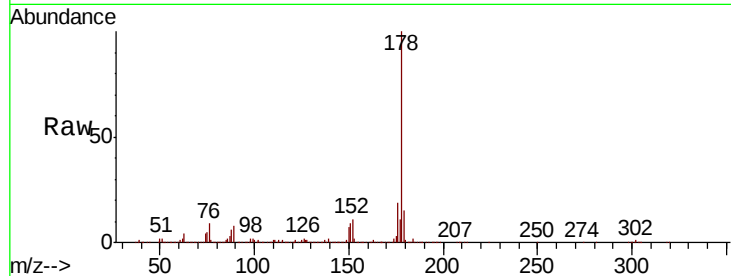
#70
Phenanthrene
Concen: 13.719 ng/ul
RT: 17.07 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	18.5	14.7	22.1

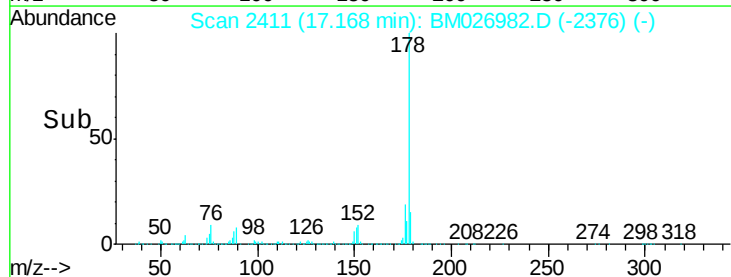
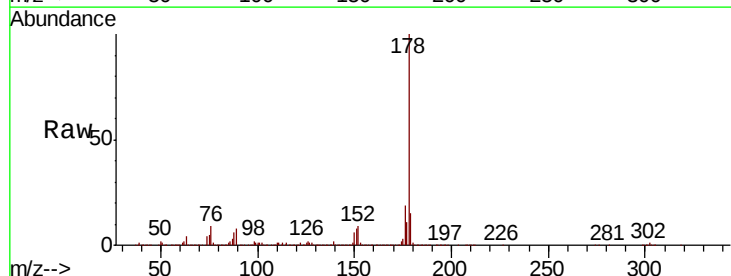
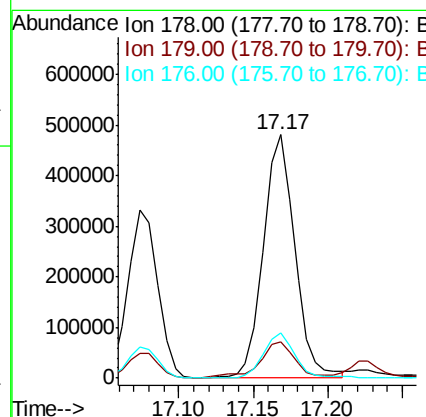
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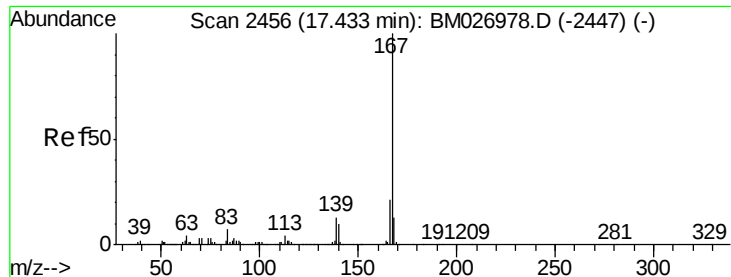
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#72
Anthracene
Concen: 20.504 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.8	17.6
176	18.5	15.0	22.6





#75

Carbazole

Concen: 5.071 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM026982.D

Acq: 03 Aug 2020 17:22

Instrument :

BNA_M

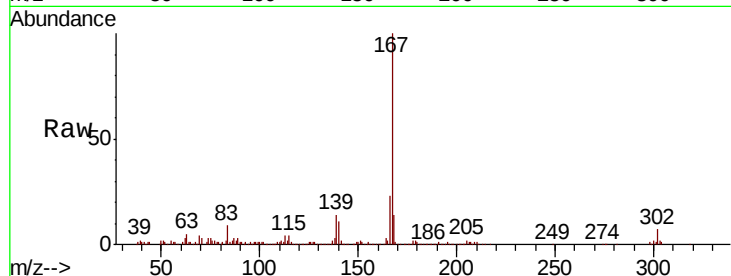
ClientSampled :

C0S90

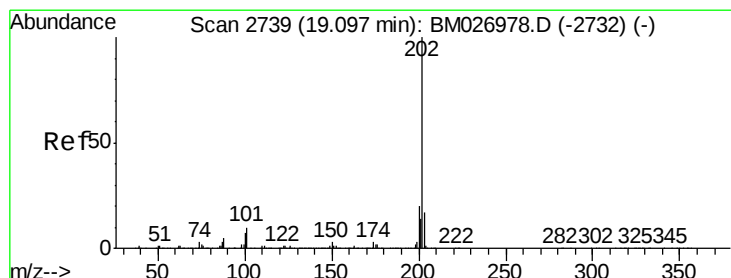
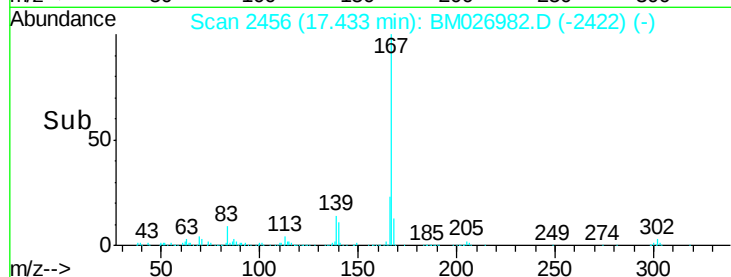
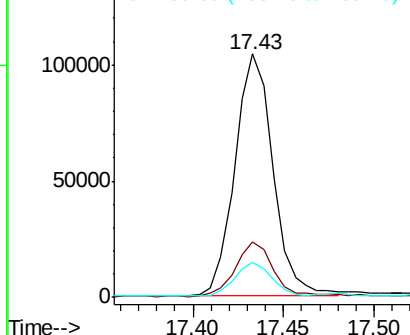
Tot Ion:	167	Resp:	152590
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.1	25.7
139	14.4	10.1	15.1

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



#77

Fluoranthene

Concen: 65.781 ng/ul

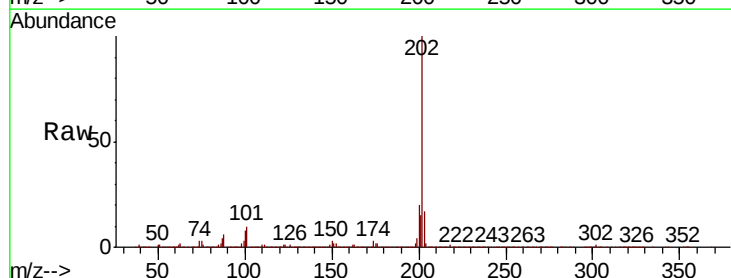
RT: 19.10 min Scan# 2739

Delta R.T. 0.00 min

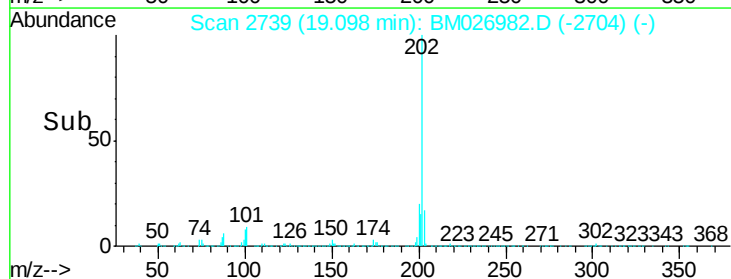
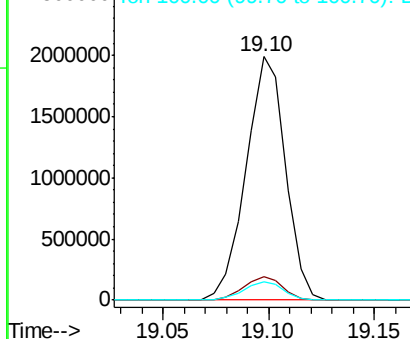
Lab File: BM026982.D

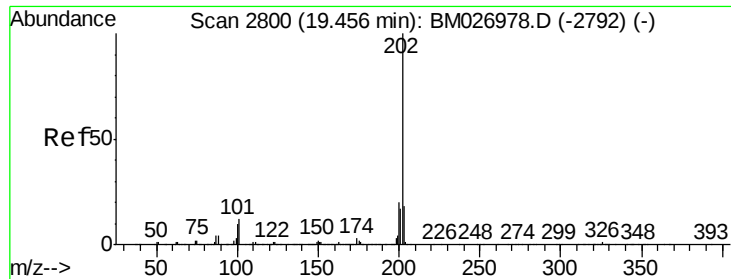
Acq: 03 Aug 2020 17:22

Tgt Ion:	202	Resp:	2572370
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.7	11.5
100	7.7	6.2	9.4



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





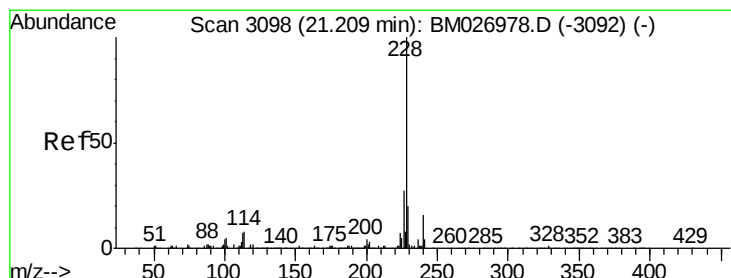
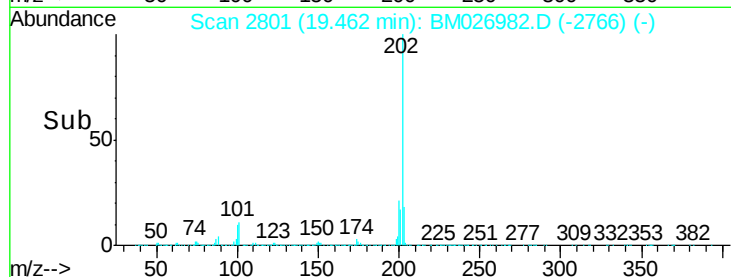
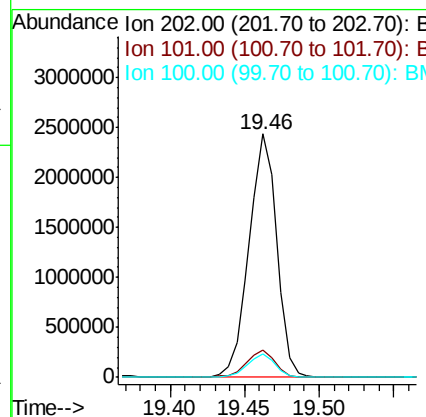
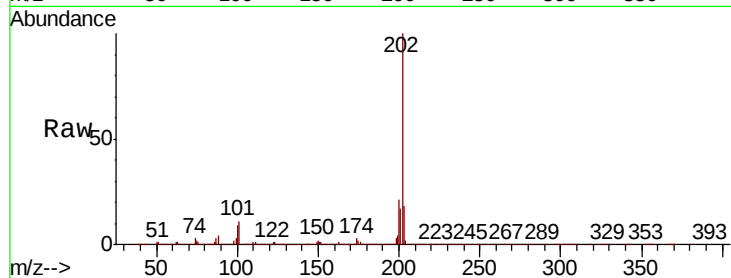
#80
Pvrene
Concen: 82.147 ng/ul
RT: 19.46 min Scan# 2801
Delta R.T. 0.00 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.4	14.2
100	9.5	8.2	12.4

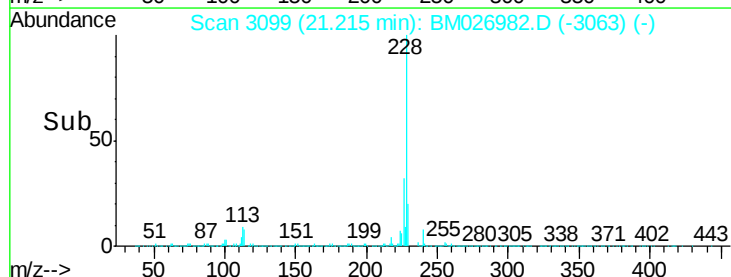
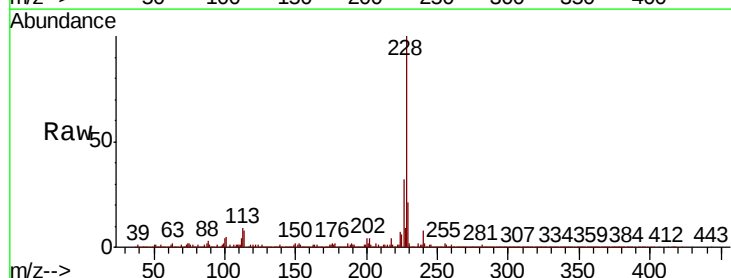
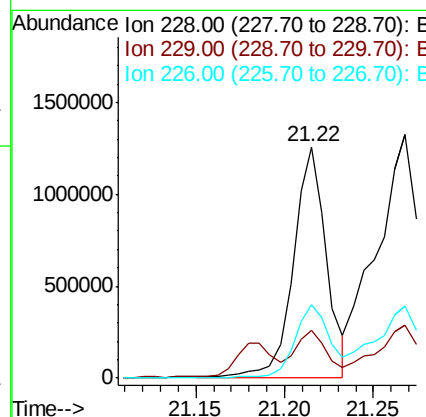
Manual Integrations
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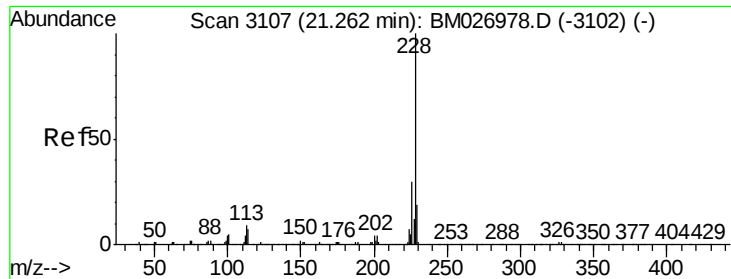
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#83
Benzo(a)anthracene
Concen: 45.932 ng/ul m
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.2
226	32.0	20.9	31.3





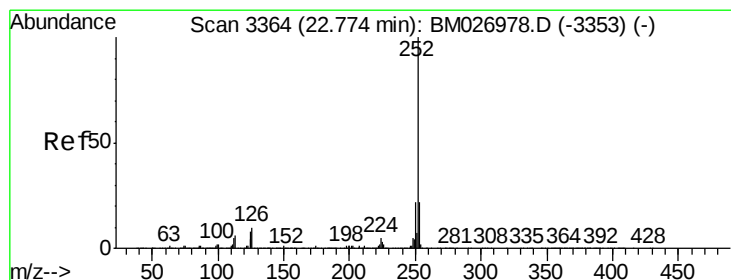
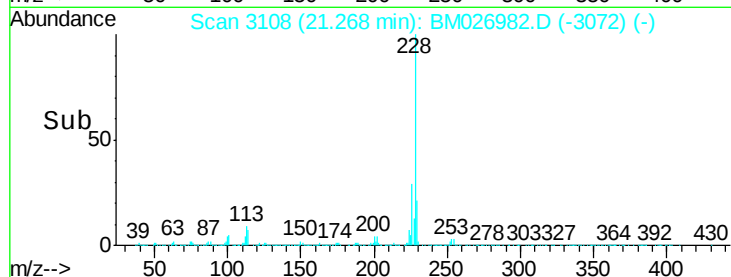
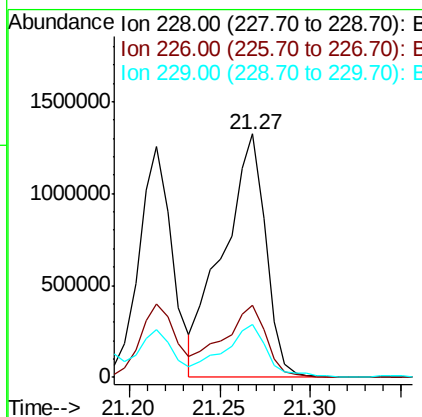
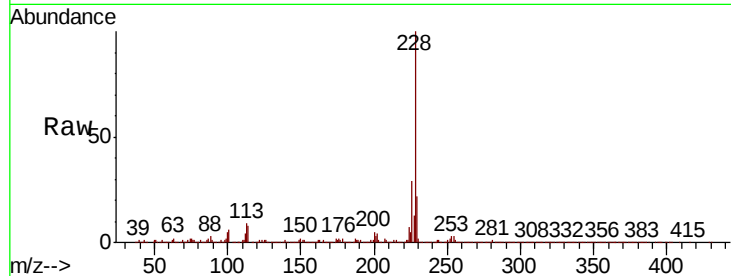
#85
Chrysene
Concen: 61.099 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	21.7	15.5	23.3

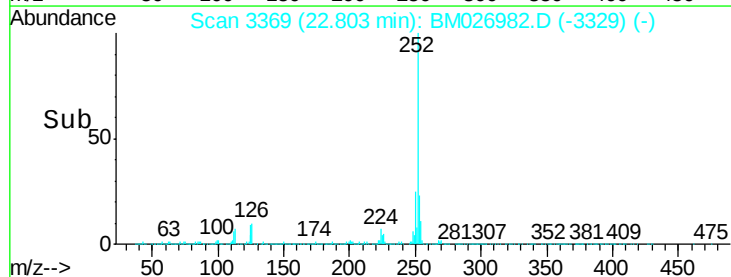
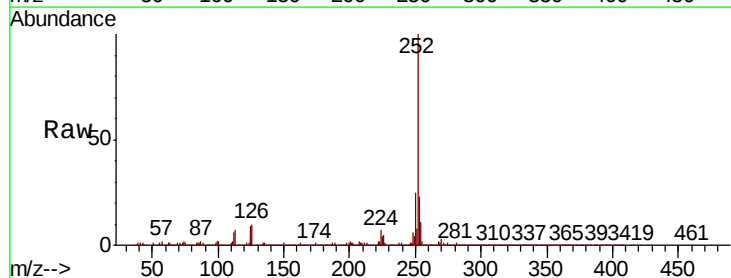
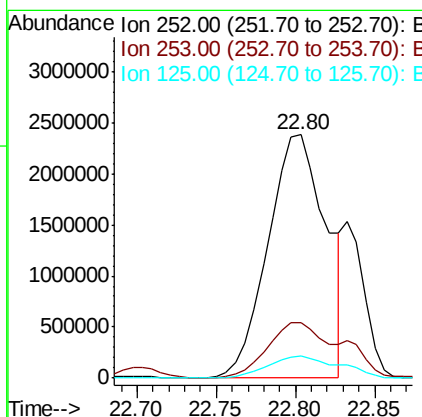
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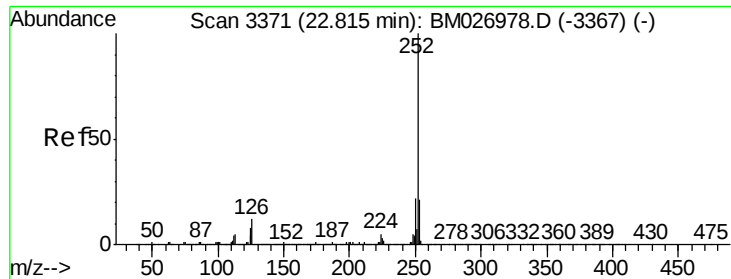
mohammad
8/5/2020 10:26:12 AM



#88
Benzo(b)fluoranthene
Concen: 163.117 ng/ul
RT: 22.80 min Scan# 3369
Delta R.T. 0.03 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.1	6.6	10.0





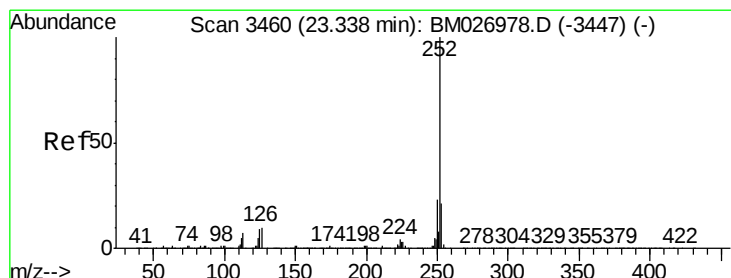
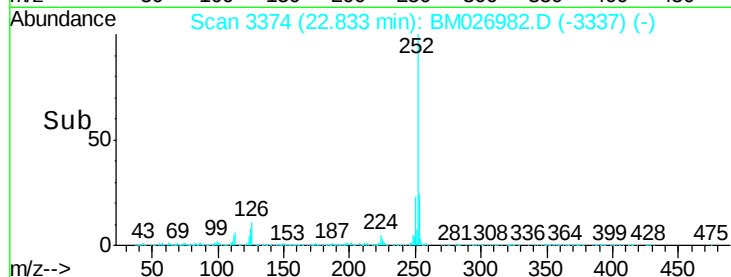
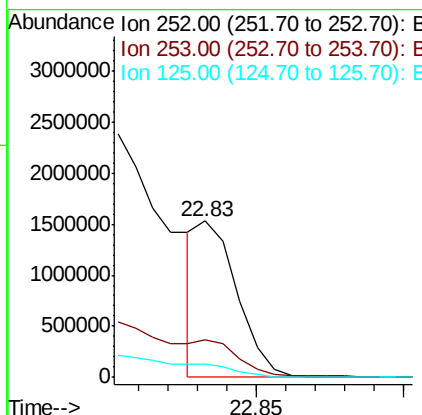
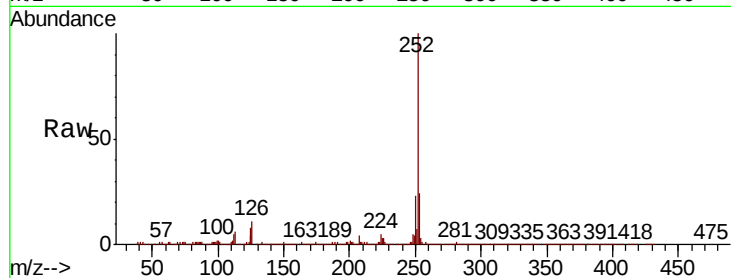
#89
Benzo(k)fluoranthene
Concen: 39.747 ng/ul m
RT: 22.83 min Scan# 3374
Delta R.T. 0.01 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampleId :
C0S90

Tot Ion:252 Resp: 1419162
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 8.4 7.3 10.9

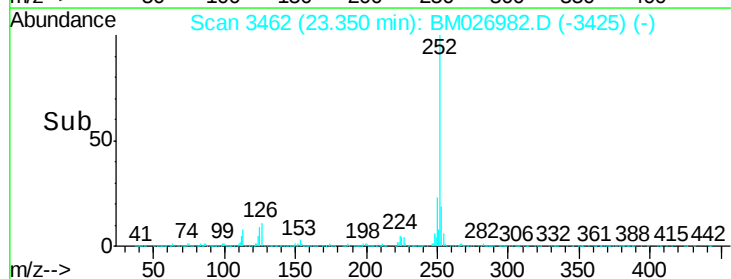
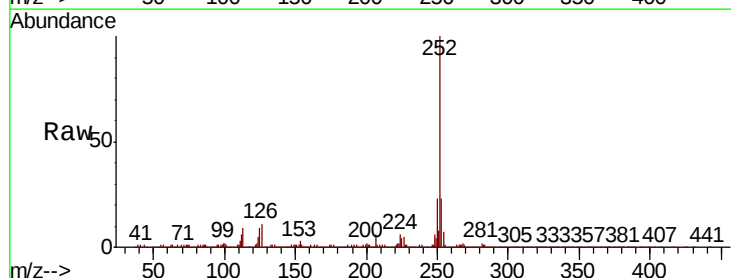
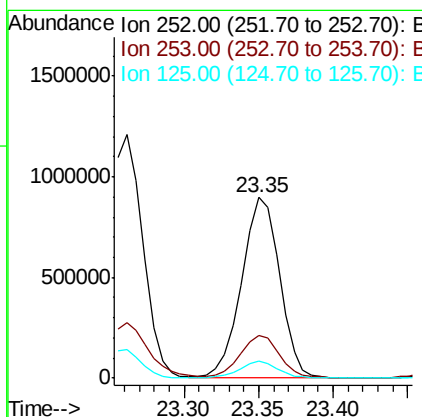
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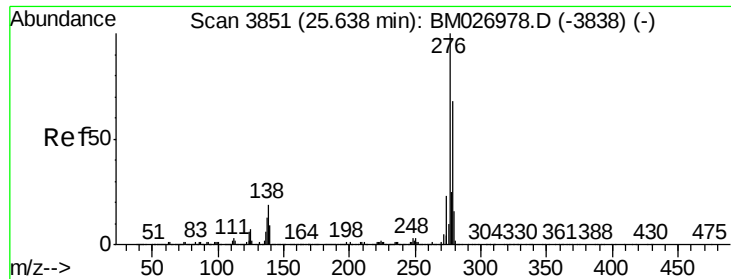
mohammad
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#91
Benzo(a)pyrene
Concen: 46.767 ng/ul
RT: 23.35 min Scan# 3462
Delta R.T. 0.01 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion:252 Resp: 1570258
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 9.3 8.2 12.2





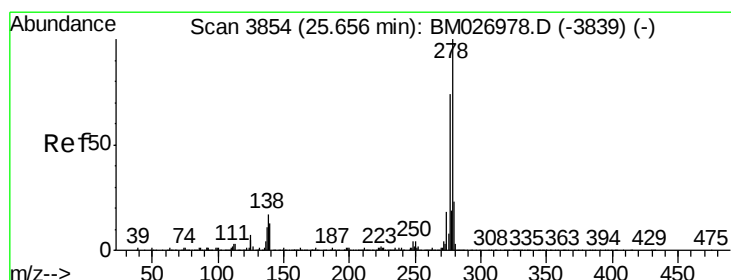
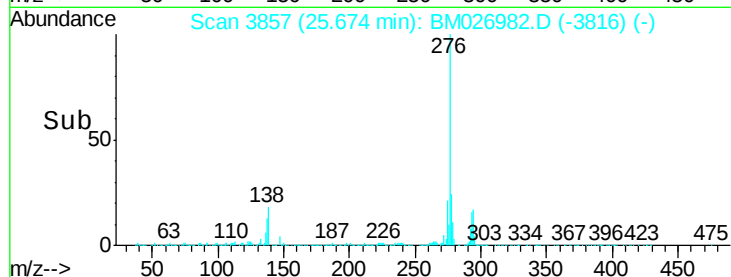
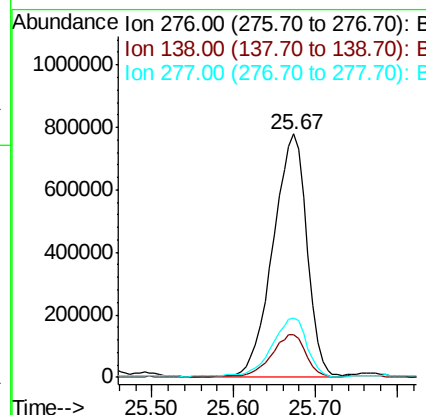
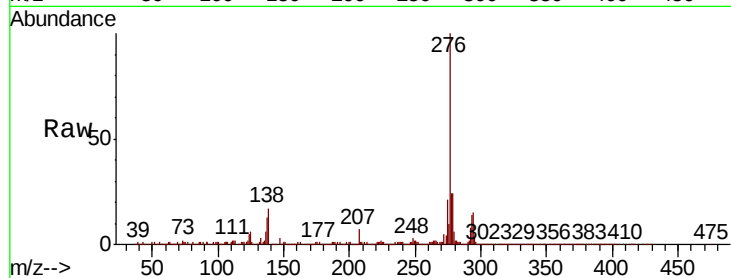
#92
Indeno(1,2,3-cd)pyrene
Concen: 53.352 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.04 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Instrument :
BNA_M
ClientSampled :
C0S90

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.3	17.0	25.4
277	24.5	20.6	30.8

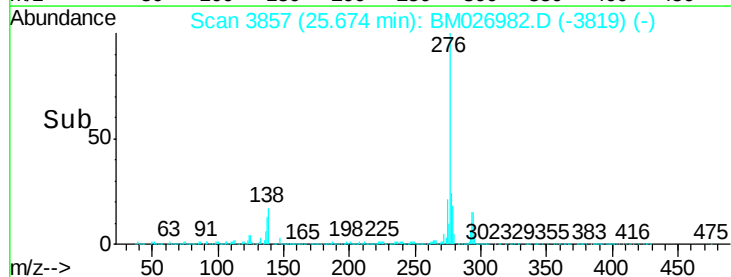
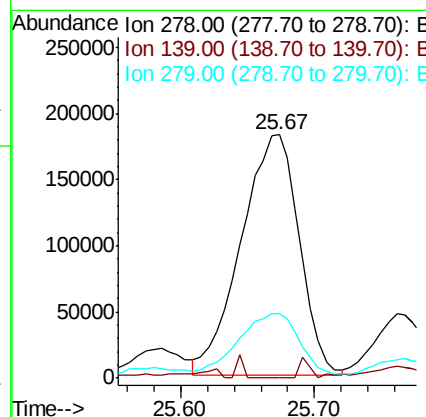
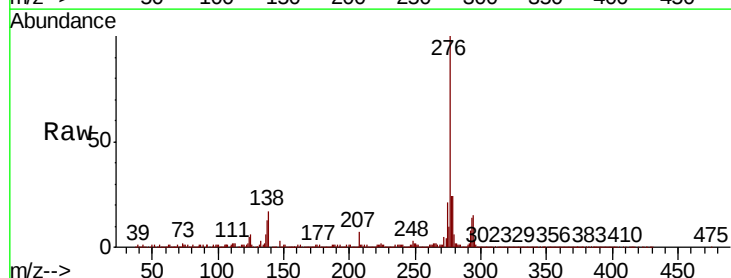
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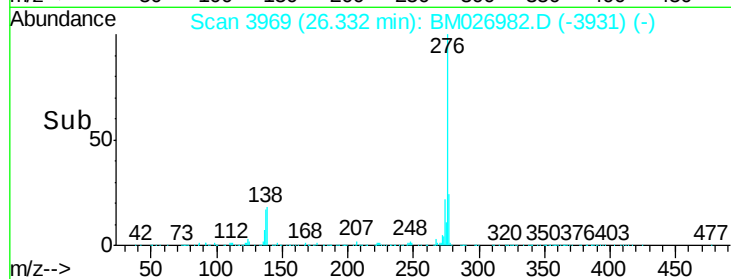
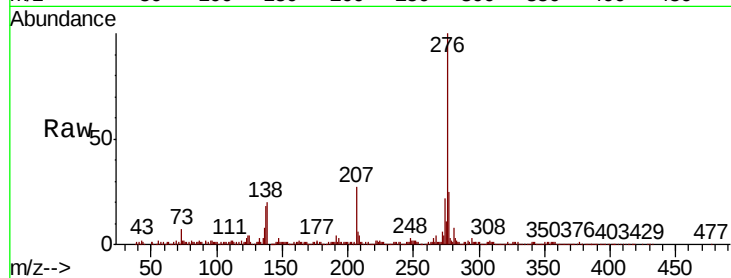
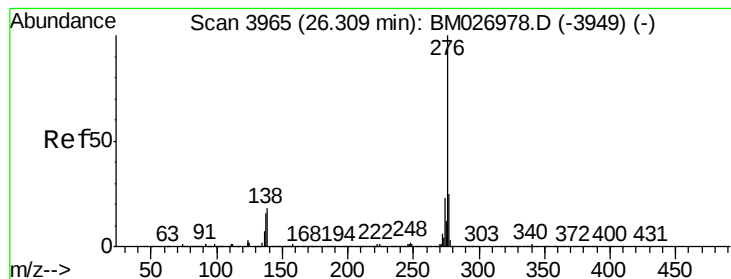
mohammad
8/5/2020 10:26:12 AM



#93
Dibenzo(a,h)anthracene
Concen: 15.627 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.02 min
Lab File: BM026982.D
Acq: 03 Aug 2020 17:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	26.6	19.4	29.2





#94

Benzo(a,h,i)perylene

Concen: 15.960 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. 0.02 min

Lab File: BM026982.D

Acq: 03 Aug 2020 17:22

Tot Ion:	276	Resp:	549696
Ion Ratio		Lower	Upper
276	100		
138	19.5	14.9	22.3
277	25.2	19.1	28.7

Instrument :

BNA_M

ClientSampleId :

C0S90

Manual Integrations
APPROVED

mohammad
8/5/2020 10:26:12 AM

