

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
 Data File : BM027070.D
 Acq On : 13 Aug 2020 20:40
 Operator : JU/CG
 Sample : L3630-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFM70

Manual Integrations
 APPROVED

Sohil
 8/14/2020 2:54:17 PM

Quant Time: Aug 14 02:48:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 11:47:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	122481	20.00	ng/ul	0.00
18) Naphthalene-d8	10.41	136	461308	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	286544	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	590243	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	599162	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	614205	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	11285	4.19	ng/uL	0.00
5) Phenol-d5	6.82	99	297072	31.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	193690	29.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	231019	30.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	230773	31.08	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	111877	30.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	123663	32.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	256952	32.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	258435	27.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	742722	32.50	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	941783	34.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	98684	25.58	ng/ul	0.00
58) Fluorene-d10	15.27	176	636622	31.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	64499	20.01	ng/ul	0.00
71) Anthracene-d10	17.12	188	951734	32.73	ng/ul	0.00
79) Pyrene-d10	19.42	212	1060104	35.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	1156454	33.73	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	20082	2.000	ng/ul 97
28) Naphthalene	10.46	128	153542	5.988	ng/ul 99
34) 2-Methylnaphthalene	12.08	142	99847	5.310	ng/ul 96
41) 1,1'-Biphenyl	13.10	154	29062	1.241	ng/ul# 95
45) Dimethylphthalate	13.74	163	85486	3.570	ng/ul# 98
48) Acenaphthylene	13.99	152	125664	4.540	ng/ul# 97
50) Acenaphthene	14.34	153	216266	11.023	ng/ul 98
54) Dibenzofuran	14.67	168	320244	11.406	ng/ul 100
59) Fluorene	15.33	166	298182	12.691	ng/ul 97
70) Phenanthrene	17.06	178	3421549	96.693	ng/ul 99
72) Anthracene	17.15	178	882044	24.498	ng/ul 99
75) Carbazole	17.42	167	458071	15.072	ng/ul 99
77) Fluoranthene	19.09	202	3657658	85.242	ng/ul 100
80) Pyrene	19.45	202	3180509	78.204	ng/ul 100
83) Benzo(a)anthracene	21.20	228	2056198	50.977	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.16	149	38655	1.712	ng/ul 93
85) Chrysene	21.25	228	1803189	45.543	ng/ul 96
88) Benzo(b)fluoranthene	22.77	252	2198331	51.543	ng/ul 98
89) Benzo(k)fluoranthene	22.80	252	763797m	18.069	ng/ul
91) Benzo(a)pyrene	23.33	252	1605526	41.363	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.62	276	951554	19.026	ng/ul 98
93) Dibenzo(a,h)anthracene	25.62	278	313851	7.409	ng/ul# 89
94) Benzo(g,h,i)perylene	26.29	276	664125	16.077	ng/ul 98

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027070.D
Acq On : 13 Aug 2020 20:40
Operator : JU/CG
Sample : L3630-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFM70

Manual Integrations
APPROVED

Sohil
8/14/2020 2:54:17 PM

Quant Time: Aug 14 02:48:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 11:47:07 2020
Response via : Initial Calibration

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

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

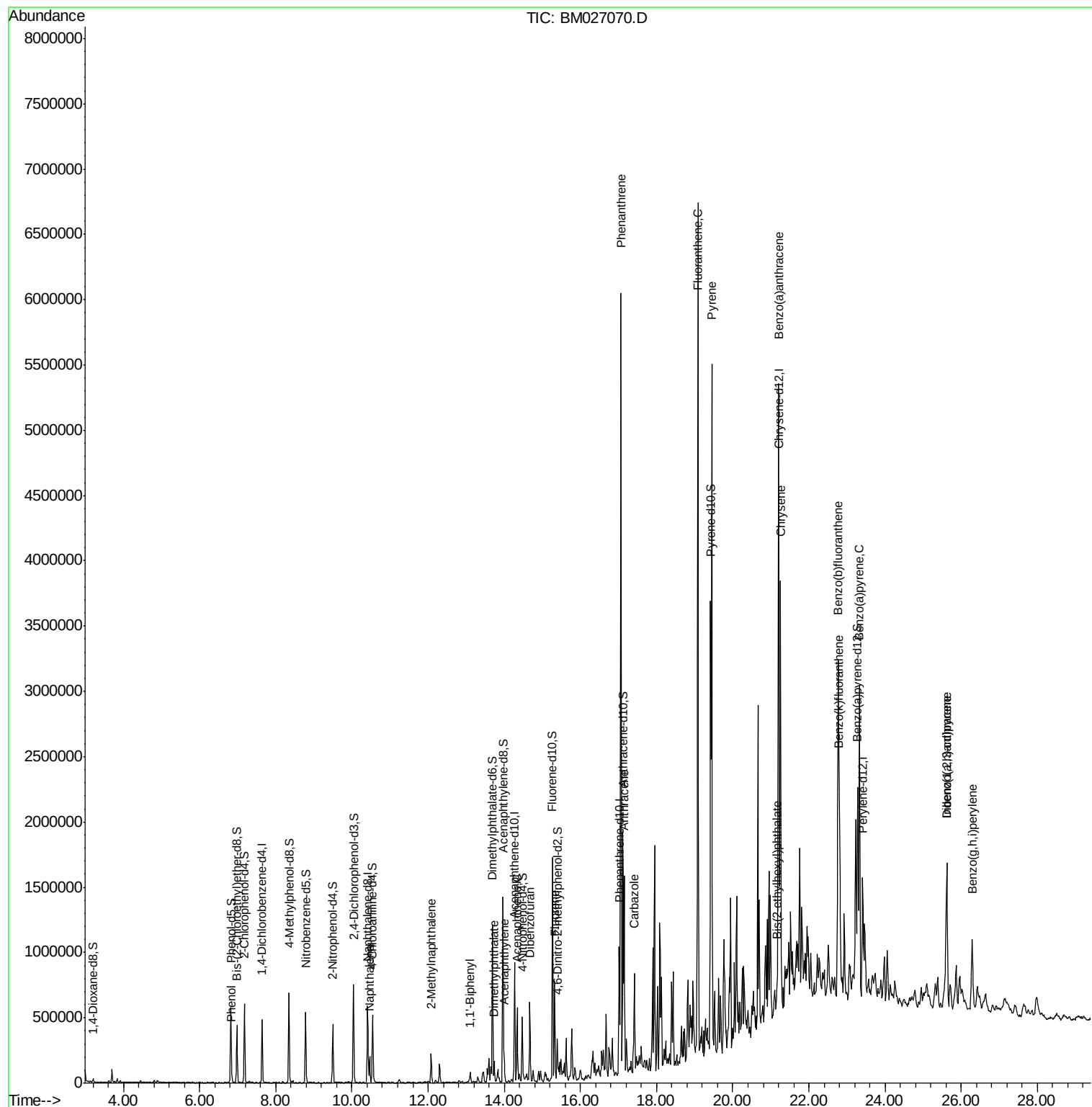
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027070.D
Acq On : 13 Aug 2020 20:40
Operator : JU/CG
Sample : L3630-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

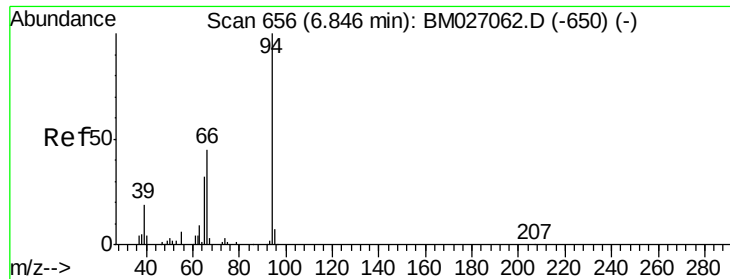
Instrument :
BNA_M
ClientSampleId :
BFM70

Manual Integrations
APPROVED

Sohil
8/14/2020 2:54:17 PM

Quant Time: Aug 14 02:48:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 11:47:07 2020
Response via : Initial Calibration





#6

Phenol

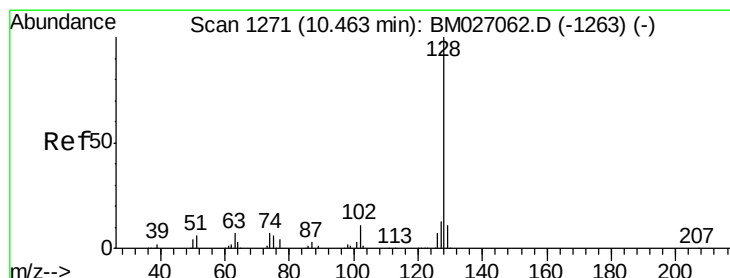
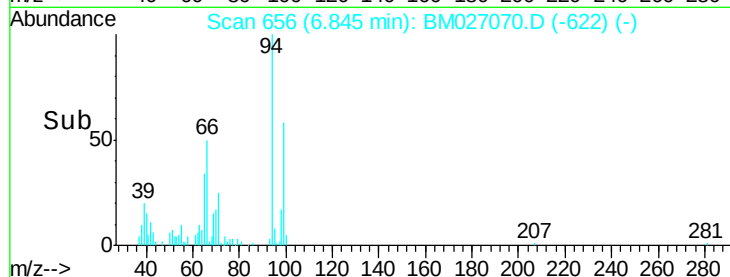
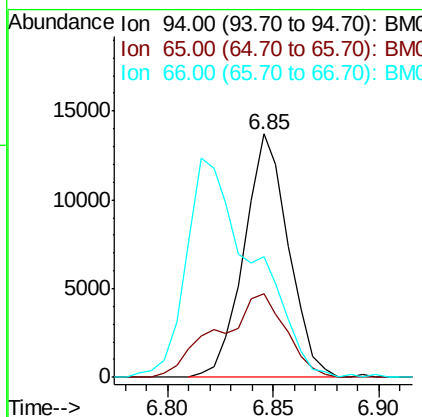
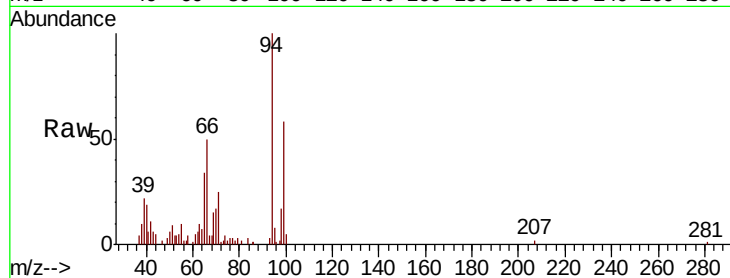
Concen: 2.000 ng/ul
 RT: 6.85 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Instrument :
 BNA_M
 ClientSampled :
 BFM70

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	34.3	28.6	43.0	
66	49.8	41.3	61.9	

Manual Integrations
 APPROVED

Sohil
 8/14/2020 2:54:17 PM

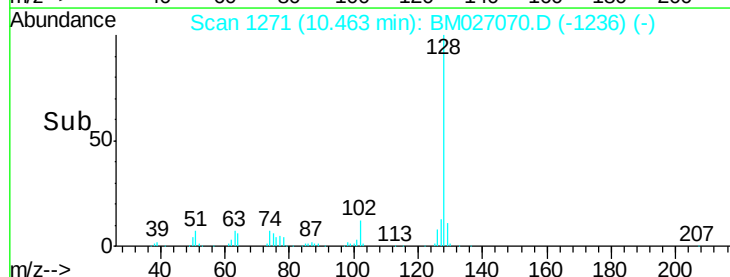
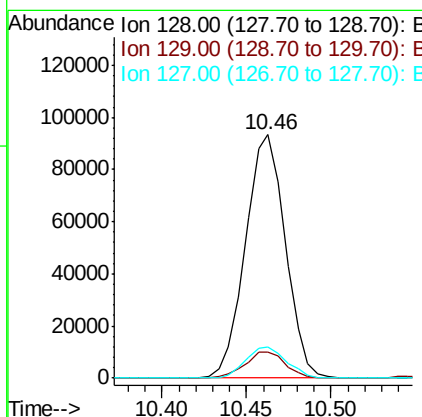
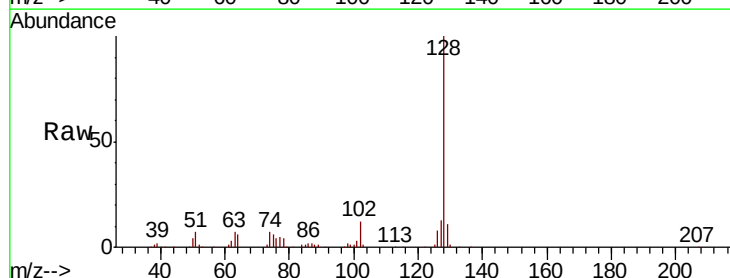


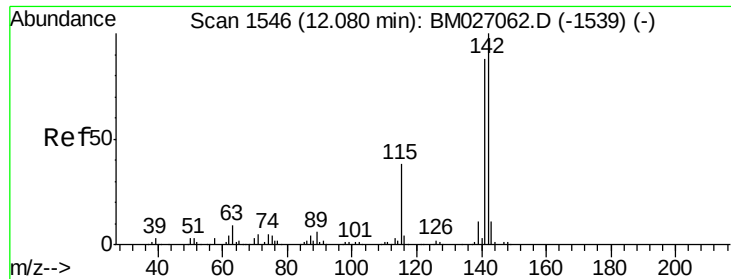
#28

Naphthalene

Concen: 5.988 ng/ul
 RT: 10.46 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	10.7	9.0	13.6	
127	12.8	10.5	15.7	





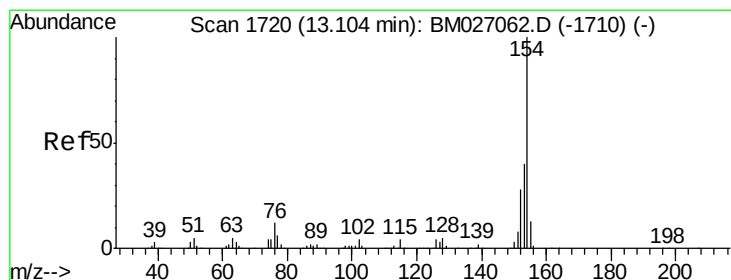
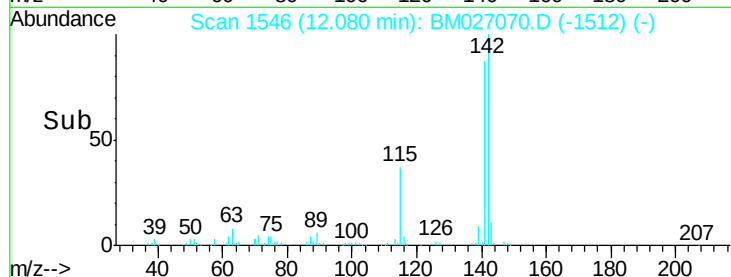
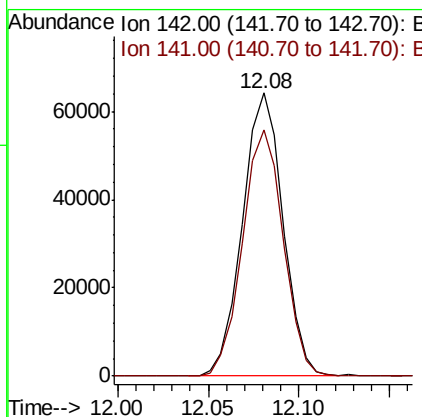
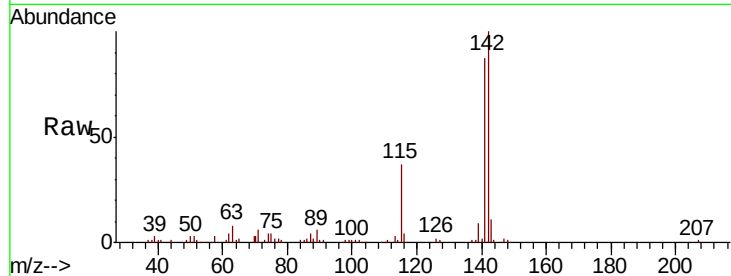
#34
2-Methylnaphthalene
Concen: 5.310 ng/ul
RT: 12.08 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Instrument :
BNA_M
ClientSampled :
BFM70

Tot Ion:142 Resp: 99847
Ion Ratio Lower Upper
142 100
141 86.8 72.4 108.6

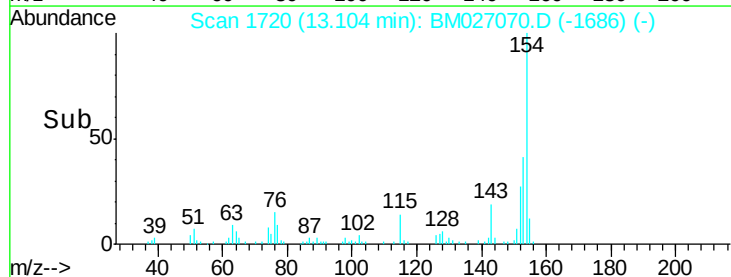
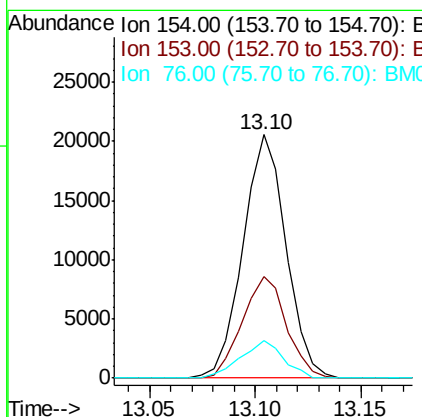
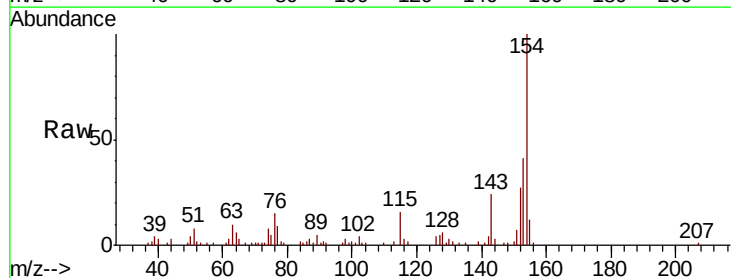
Manual Integrations
APPROVED

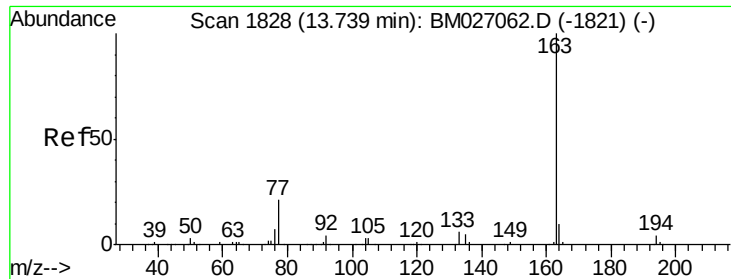
Sohil
8/14/2020 2:54:17 PM



#41
1,1'-Biphenyl
Concen: 1.241 ng/ul
RT: 13.10 min Scan# 1720
Delta R.T. -0.00 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Tgt Ion:154 Resp: 29062
Ion Ratio Lower Upper
154 100
153 41.5 31.6 47.4
76 15.5 9.3 13.9#





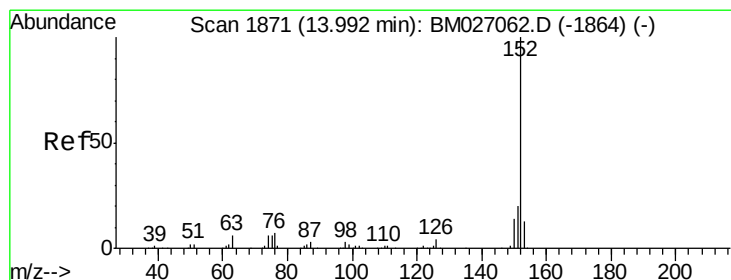
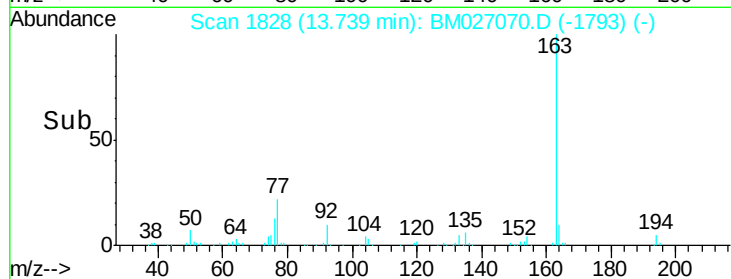
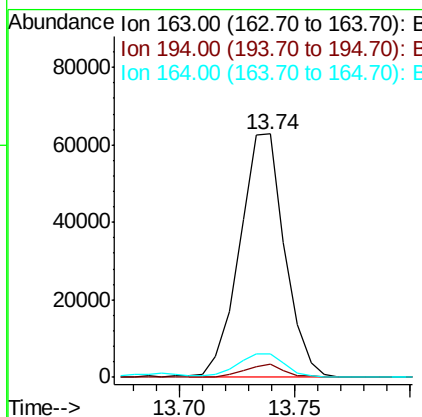
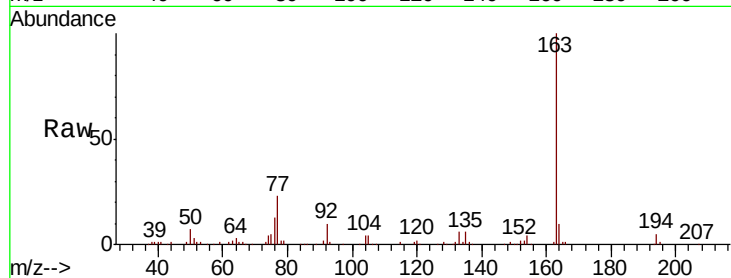
#45
Dimethylphthalate
Concen: 3.570 ng/ul
RT: 13.74 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Instrument :
BNA_M
ClientSampled :
BFM70

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.2	4.8#
164	9.5	8.2	12.2

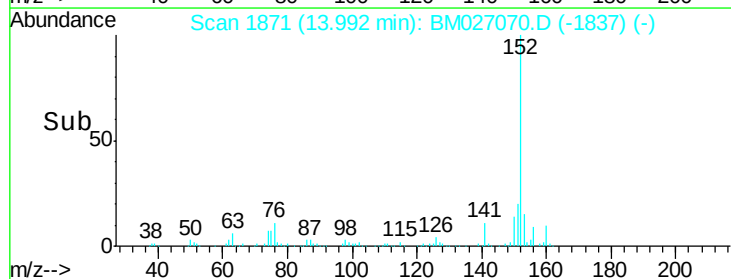
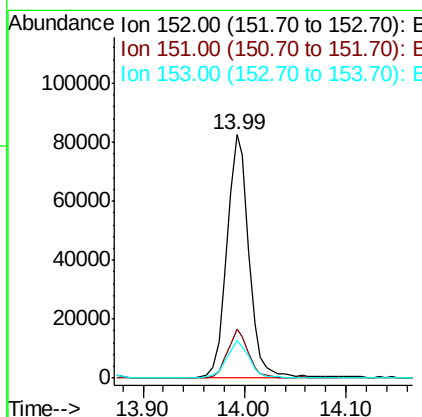
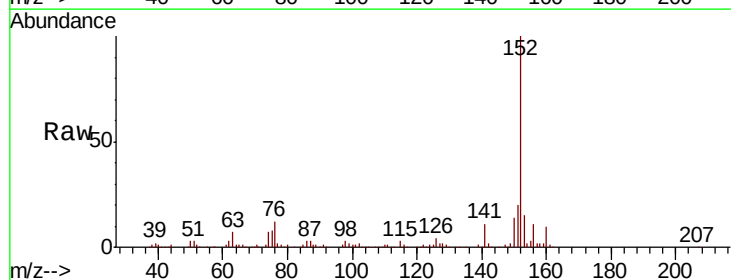
Manual Integrations
APPROVED

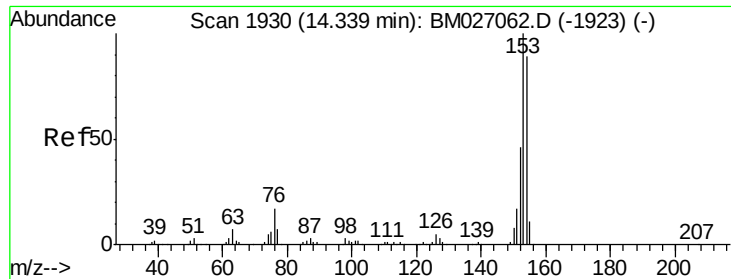
Sohil
8/14/2020 2:54:17 PM



#48
Acenaphthylene
Concen: 4.540 ng/ul
RT: 13.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	15.3	9.8	14.8#





#50

Acenaphthene

Concen: 11.023 ng/ul

RT: 14.34 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

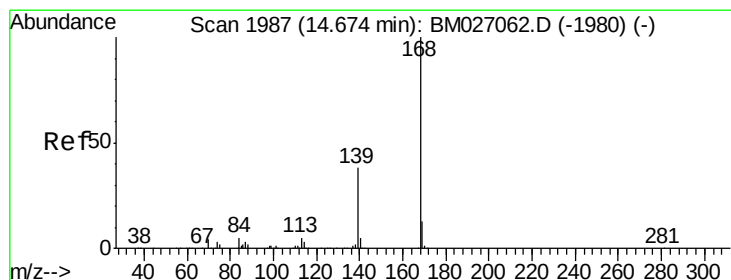
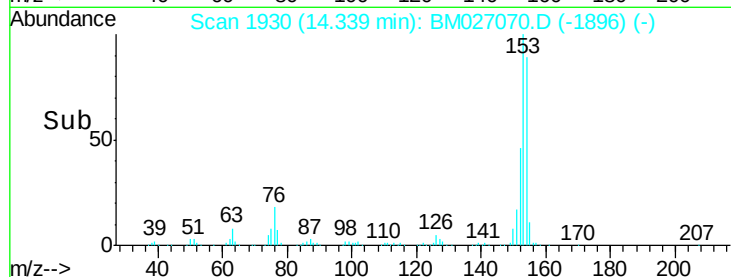
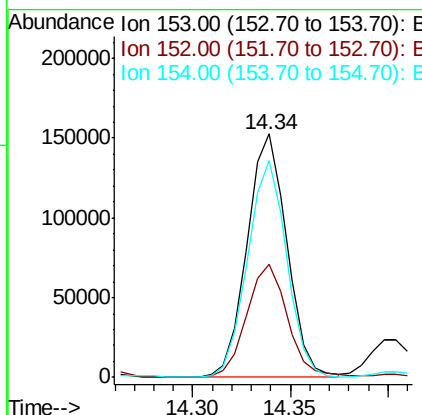
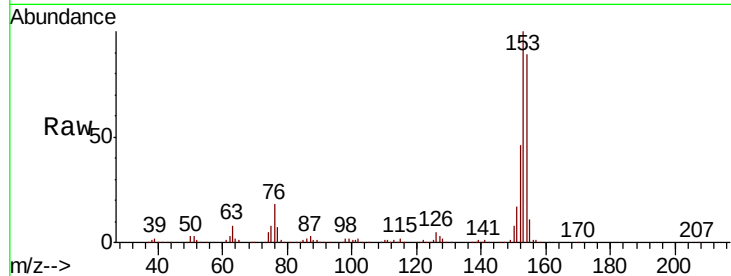
ClientSampled :

BFM70

Tot Ion:	153	Resp:	216266
Ion Ratio	Lower	Upper	
153	100		
152	46.3	35.9	53.9
154	89.1	69.4	104.0

Manual Integrations
APPROVED

Sohil
8/14/2020 2:54:17 PM



#54

Dibenzofuran

Concen: 11.406 ng/ul

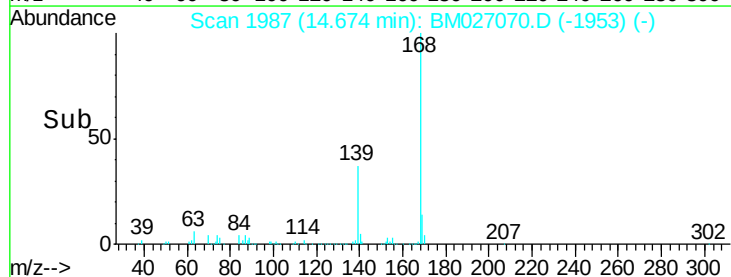
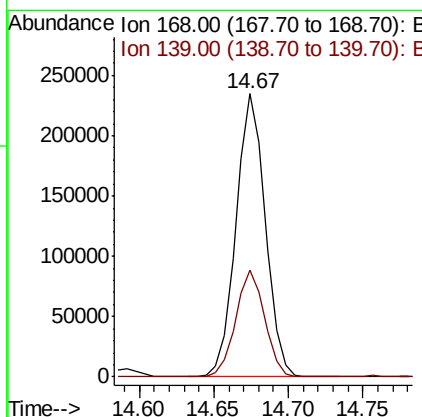
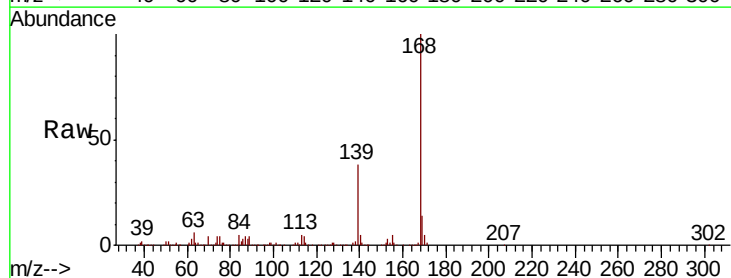
RT: 14.67 min Scan# 1987

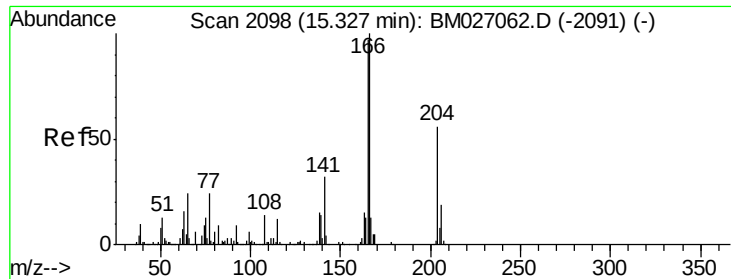
Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Tgt Ion:	168	Resp:	320244
Ion Ratio	Lower	Upper	
168	100		
139	37.5	29.9	44.9





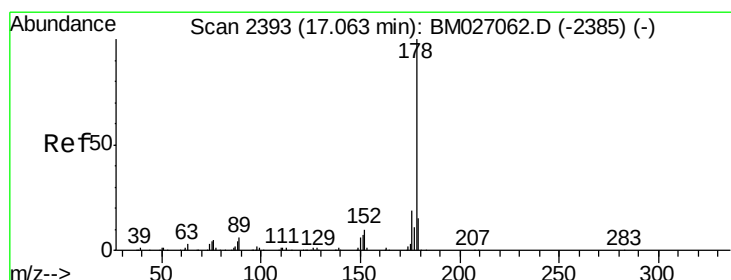
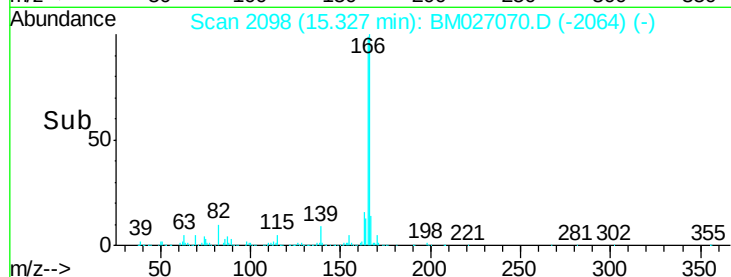
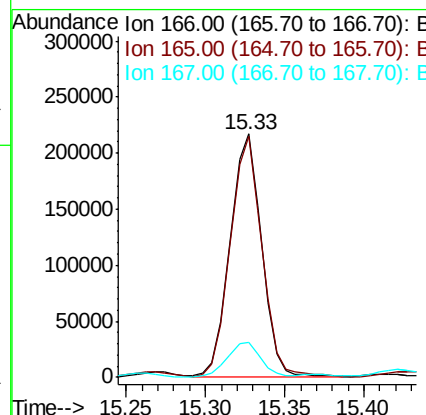
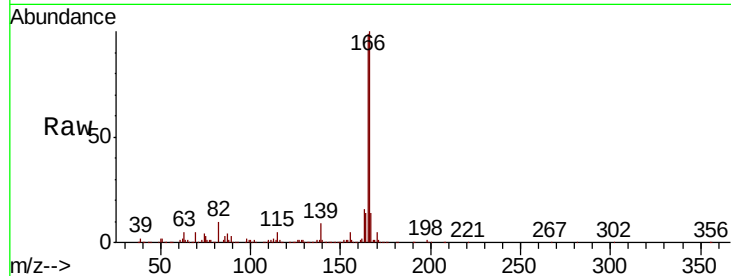
#59
Fluorene
 Concen: 12.691 ng/ul
 RT: 15.33 min Scan# 2098
 Delta R.T. -0.00 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Instrument :
 BNA_M
 ClientSampled :
 BFM70

Tot Ion	Ratio	Resp	Lower	Upper
166	100	298182		
165	98.8	76.9	115.3	
167	14.2	10.5	15.7	

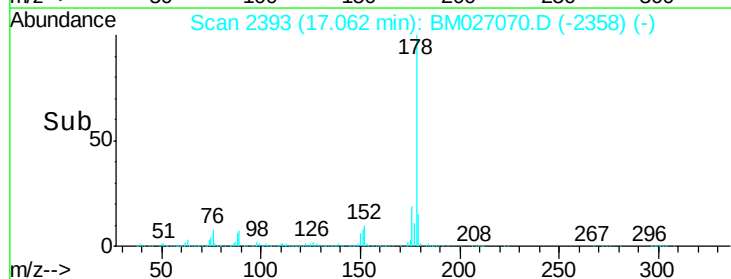
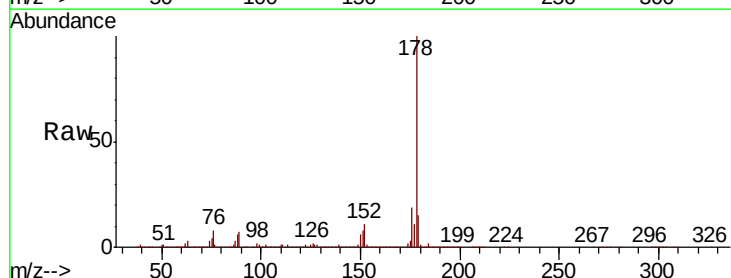
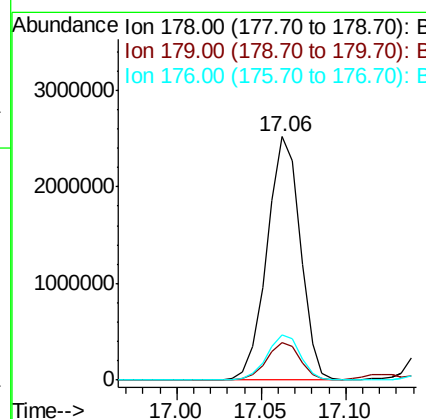
Manual Integrations
APPROVED

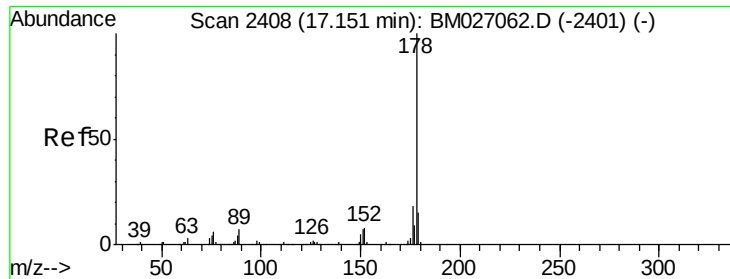
Sohil
 8/14/2020 2:54:17 PM



#70
Phenanthrene
 Concen: 96.693 ng/ul
 RT: 17.06 min Scan# 2393
 Delta R.T. 0.01 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3421549		
179	15.2	11.9	17.9	
176	18.7	14.6	22.0	





#72

Anthracene

Concen: 24.498 ng/ul

RT: 17.15 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

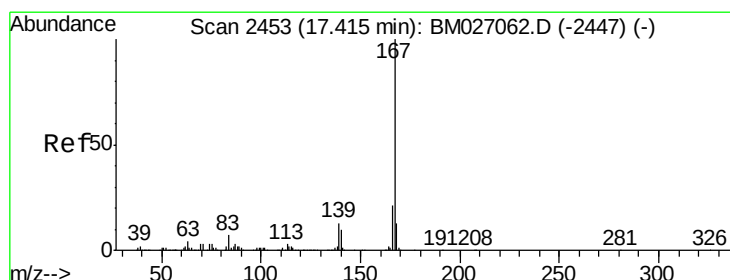
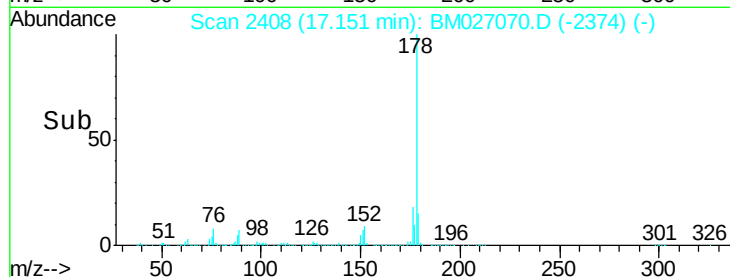
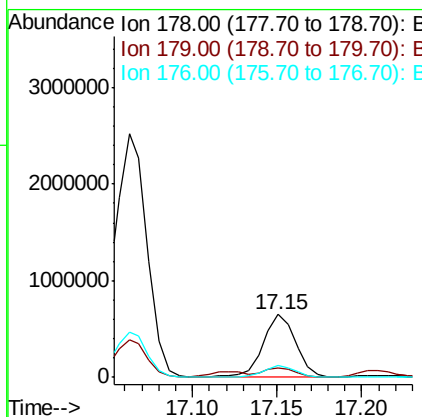
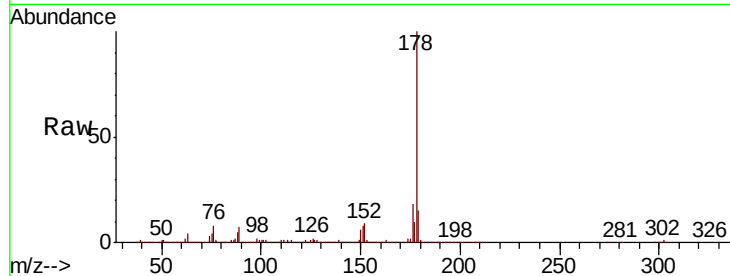
ClientSampleId :

BFM70

Tot Ion:	178	Resp:	882044
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.0	18.0
176	18.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
8/14/2020 2:54:17 PM



#75

Carbazole

Concen: 15.072 ng/ul

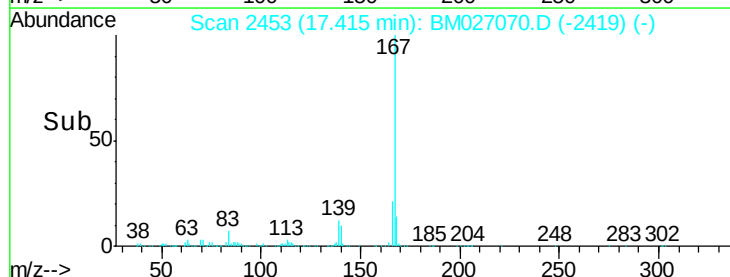
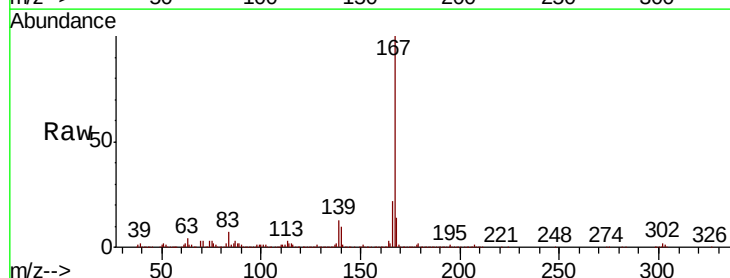
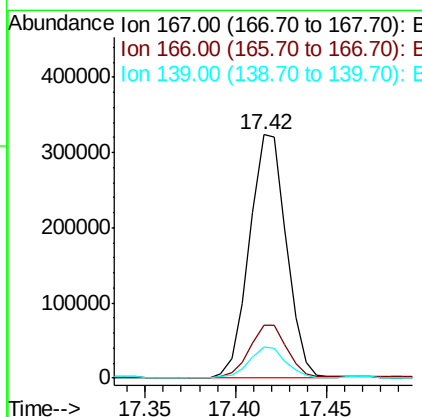
RT: 17.42 min Scan# 2453

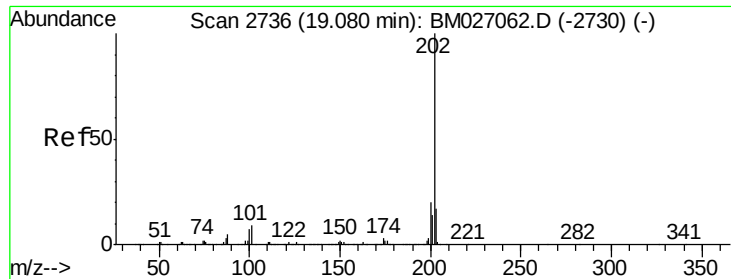
Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Tgt Ion:	167	Resp:	458071
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.0	25.6
139	12.9	9.8	14.6





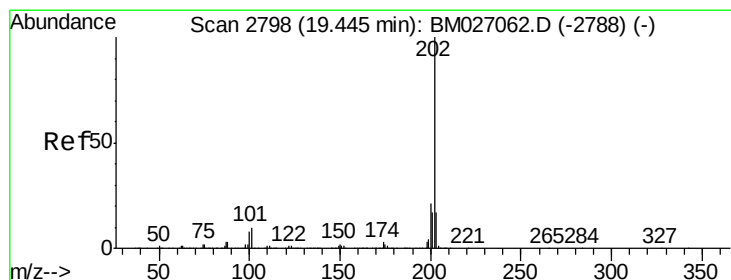
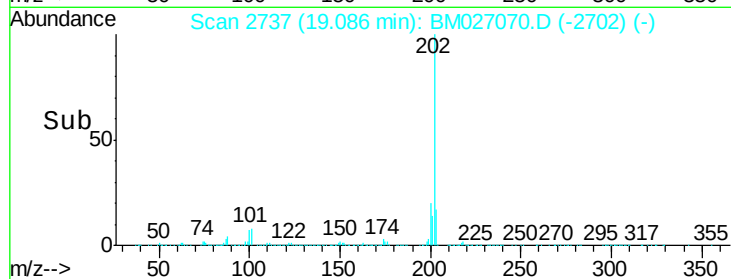
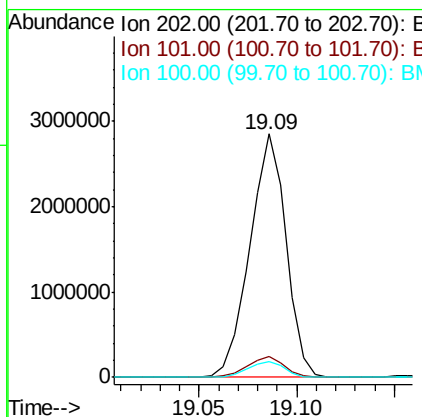
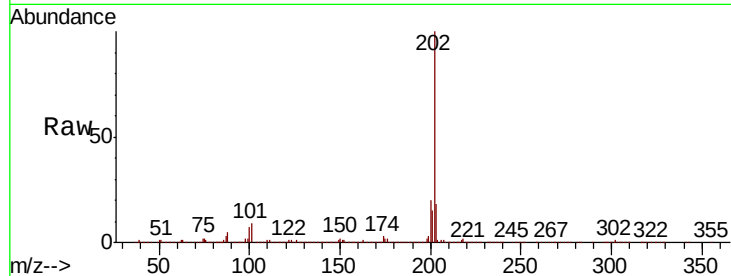
#77
Fluoranthene
Concen: 85.242 ng/ul
RT: 19.09 min Scan# 2737
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Instrument :
BNA_M
ClientSampleId :
BFM70

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.7	10.1
100	6.7	5.4	8.2

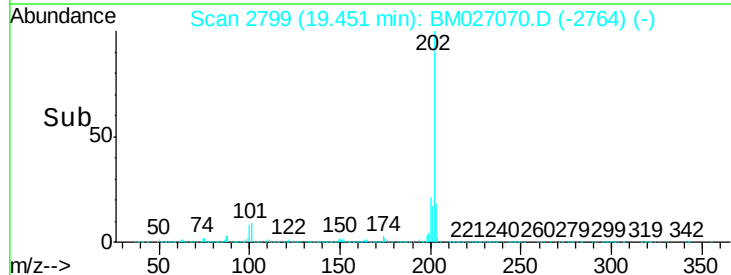
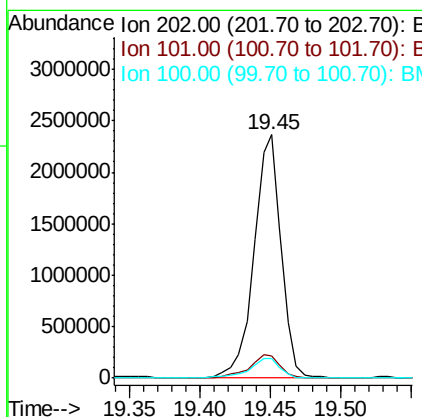
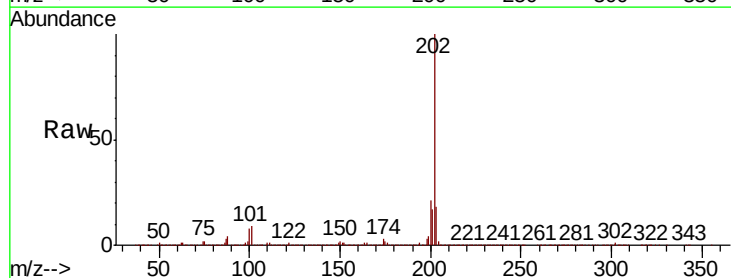
Manual Integrations
APPROVED

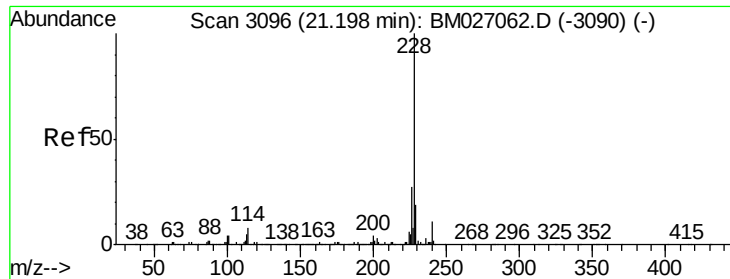
Sohil
8/14/2020 2:54:17 PM



#80
Pyrene
Concen: 78.204 ng/ul
RT: 19.45 min Scan# 2799
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.6	11.4
100	7.9	6.3	9.5





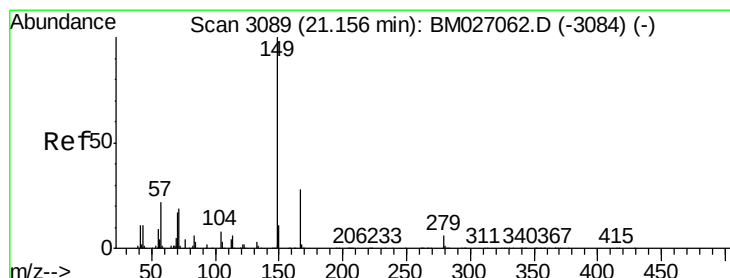
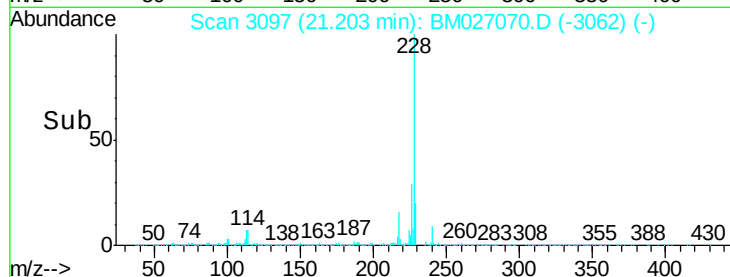
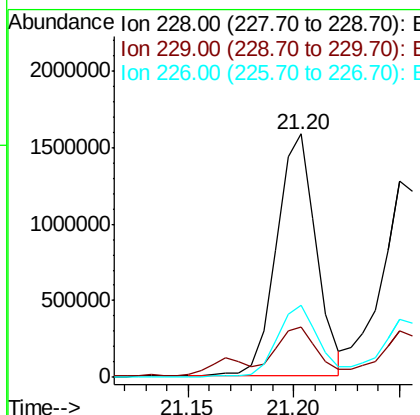
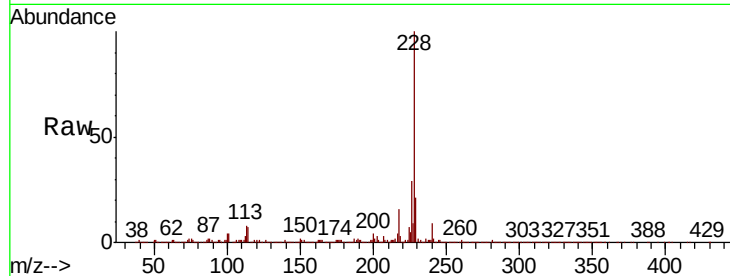
#83
Benzo(a)anthracene
Concen: 50.977 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Instrument :
BNA_M
ClientSampleId :
BFM70

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	29.5	21.2	31.8

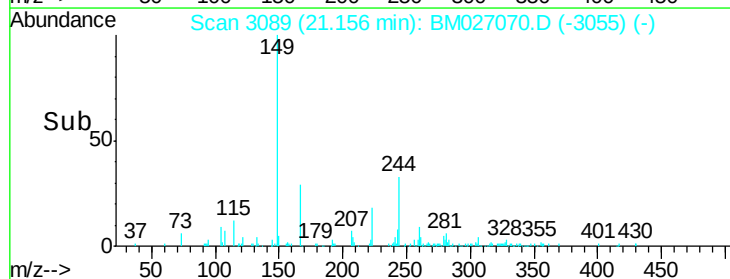
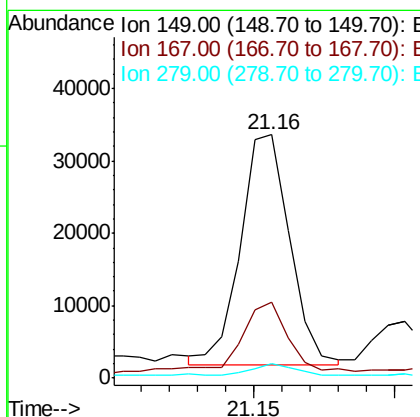
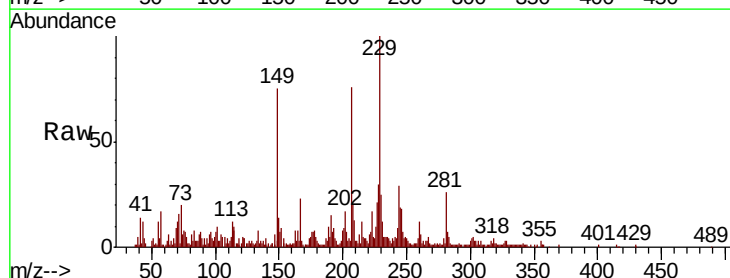
Manual Integrations
APPROVED

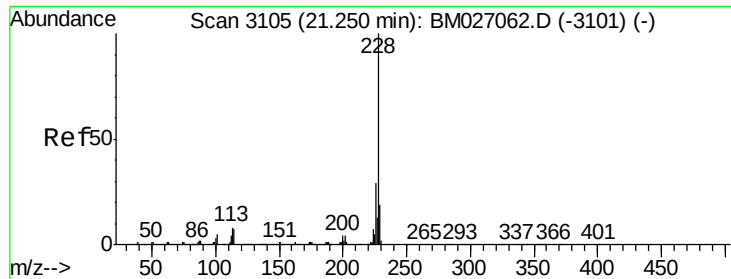
Sohil
8/14/2020 2:54:17 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.712 ng/ul
RT: 21.16 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.1	21.6	32.4
279	5.7	3.9	5.9





#85

Chrysene

Concen: 45.543 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampled :

BFM70

Tot Ion:228 Resp: 1803189

Ion Ratio Lower Upper

228 100

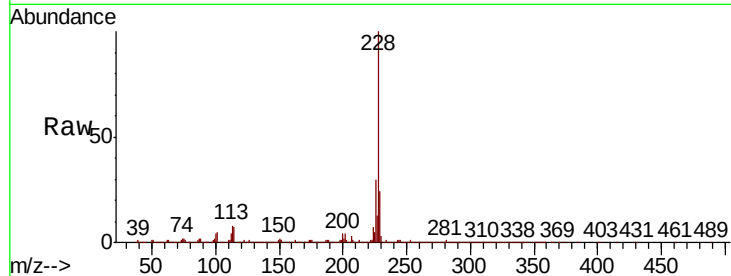
226 29.6 23.8 35.6

229 23.7 15.8 23.8

Manual Integrations
APPROVED

Sohil

8/14/2020 2:54:17 PM



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

2000000

1500000

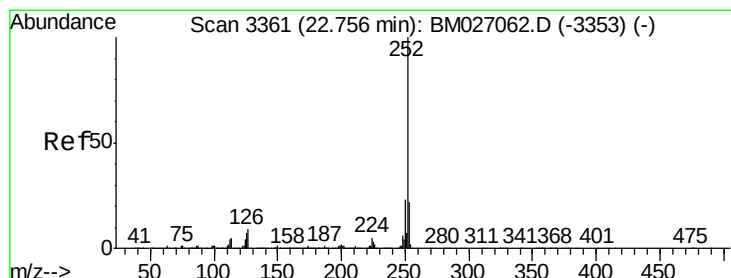
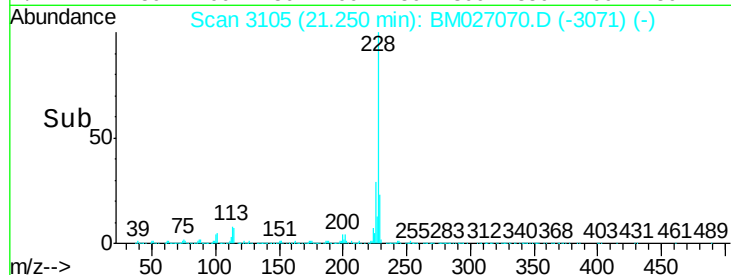
1000000

500000

0

21.20 21.25 21.30

Time-->



#88

Benzo(b)fluoranthene

Concen: 51.543 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

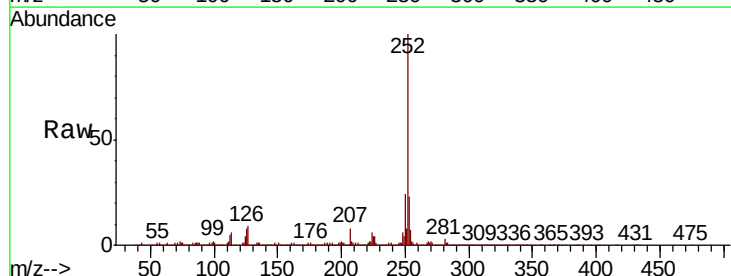
Tgt Ion:252 Resp: 2198331

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 8.0 6.0 9.0



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

1200000

1000000

800000

600000

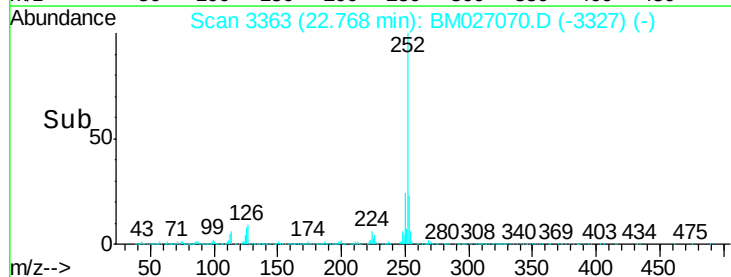
400000

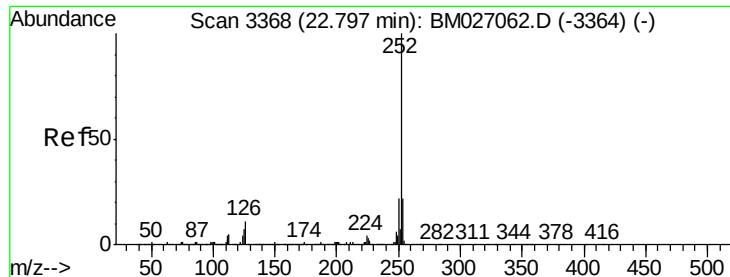
200000

0

22.70 22.75 22.80

Time-->





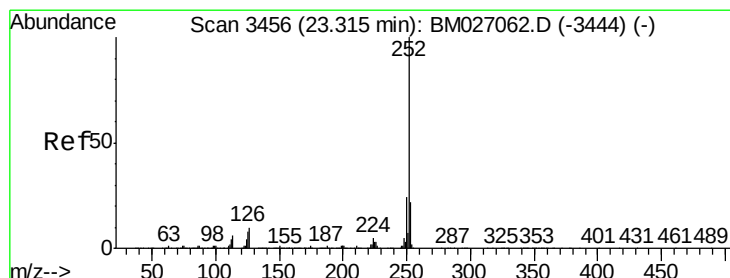
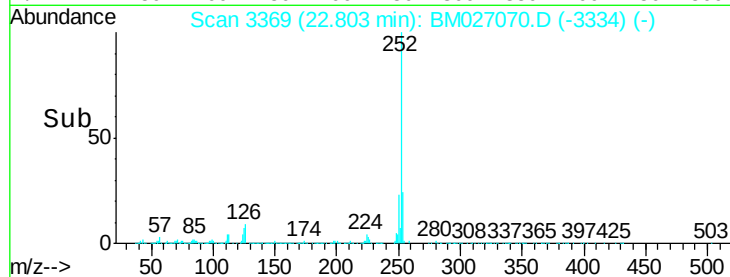
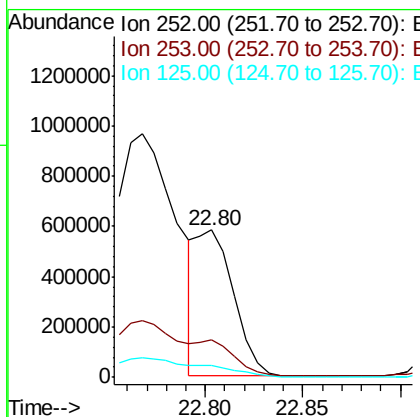
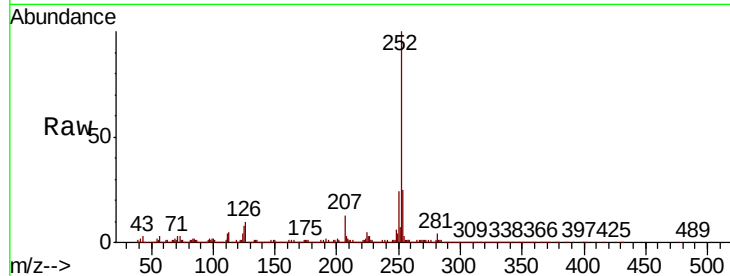
#89
Benzo(k)fluoranthene
Concen: 18.069 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Instrument :
BNA_M
ClientSampleId :
BFM70

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	7.7	5.5	8.3

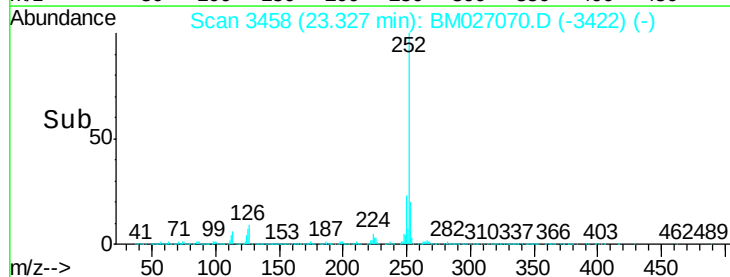
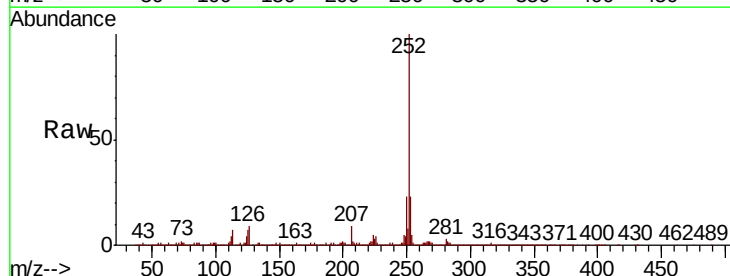
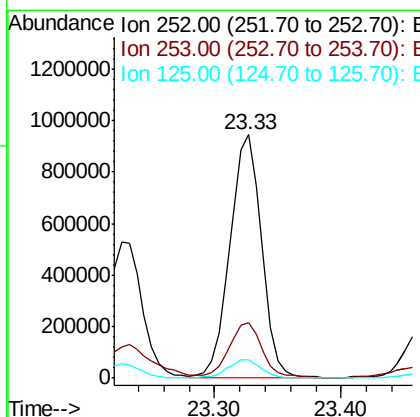
Manual Integrations
APPROVED

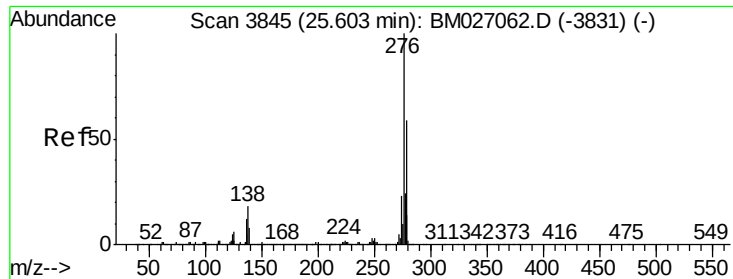
Sohil
8/14/2020 2:54:17 PM



#91
Benzo(a)pyrene
Concen: 41.363 ng/ul
RT: 23.33 min Scan# 3458
Delta R.T. 0.01 min
Lab File: BM027070.D
Acq: 13 Aug 2020 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	7.4	5.8	8.8





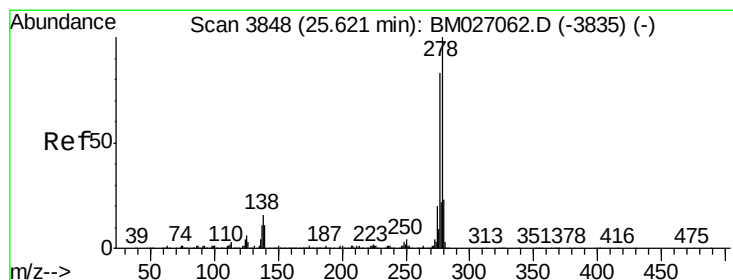
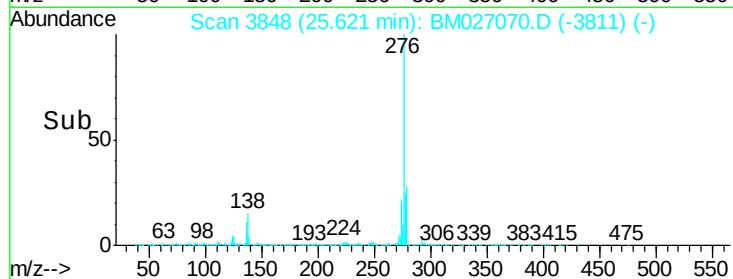
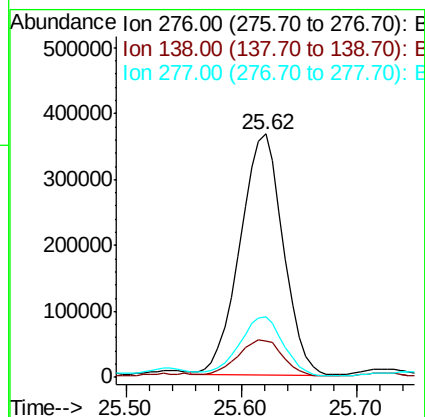
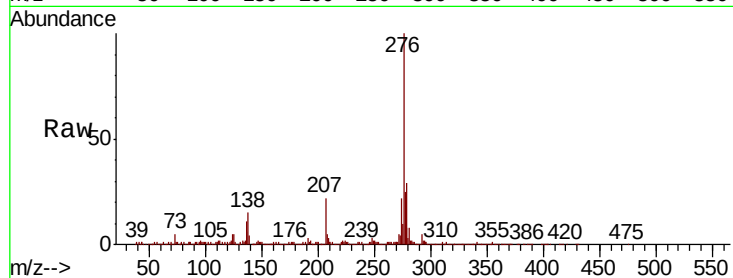
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 19.026 ng/ul
 RT: 25.62 min Scan# 3848
 Delta R.T. 0.02 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Instrument :
 BNA_M
 ClientSampleId :
 BFM70

Tot Ion:	276	Resp:	951554
Ion Ratio	Lower	Upper	
276	100		
138	14.9	13.9	20.9
277	24.8	19.8	29.8

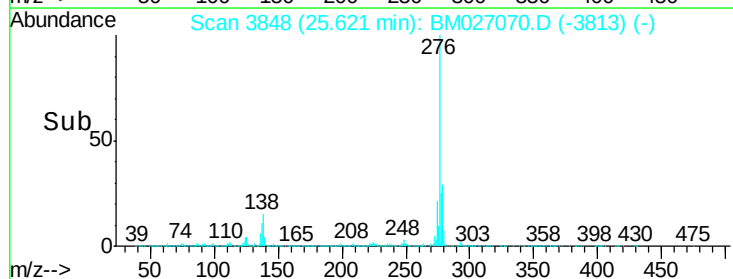
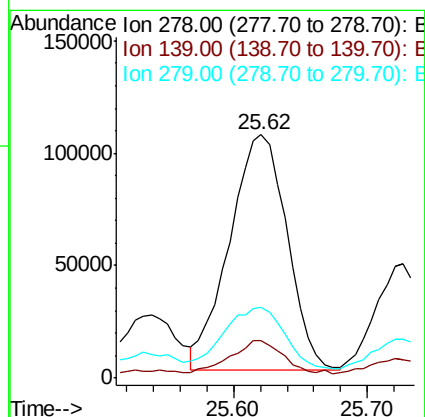
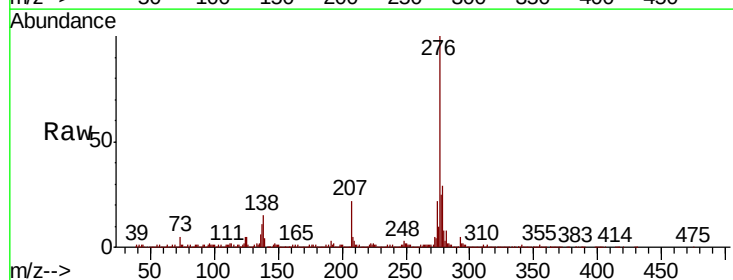
Manual Integrations
 APPROVED

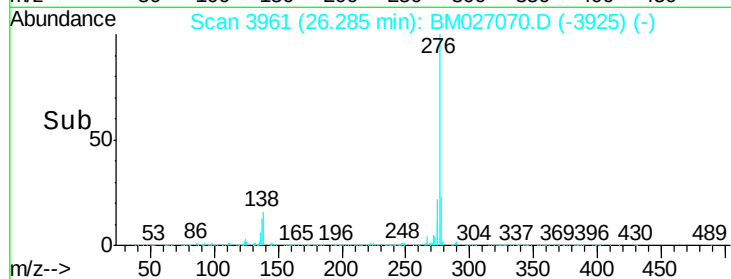
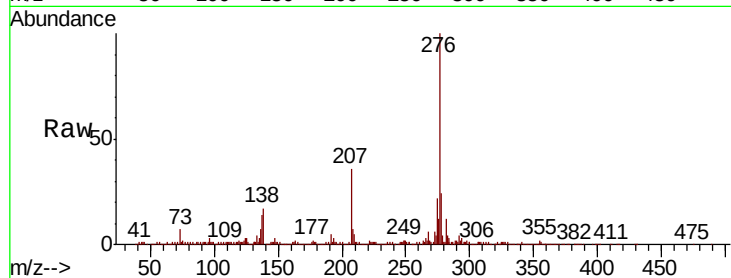
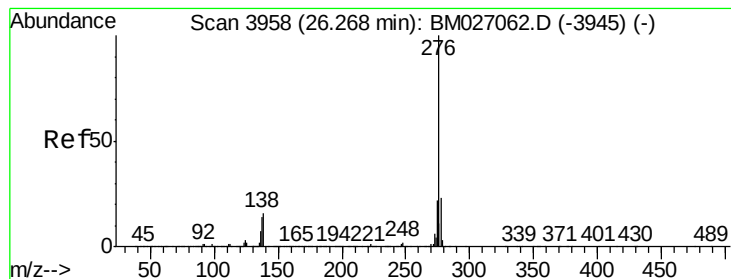
Sohil
 8/14/2020 2:54:17 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 7.409 ng/ul
 RT: 25.62 min Scan# 3848
 Delta R.T. 0.01 min
 Lab File: BM027070.D
 Acq: 13 Aug 2020 20:40

Tgt Ion:	278	Resp:	313851
Ion Ratio	Lower	Upper	
278	100		
139	15.3	9.4	14.0#
279	28.9	18.7	28.1#





#94

Benzo(a,h,i)perylene

Concen: 16.077 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BM027070.D

Acq: 13 Aug 2020 20:40

Instrument :

BNA_M

ClientSampleId :

BFM70

Tot Ion:	276	Resp:	664125
Ion Ratio	Lower	Upper	
276	100		
138	16.5	12.3	18.5
277	24.3	19.0	28.6

Manual Integrations
APPROVED

Sohil
8/14/2020 2:54:17 PM

