

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
 Data File : BM025583.D
 Acq On : 16 Mar 2020 16:57
 Operator : CG/JU
 Sample : L1906-03DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 B0AG2DL

Manual Integrations
 APPROVED

mohammad
 3/17/2020 3:10:16 PM

Quant Time: Mar 16 17:31:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 16 04:27:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	205429	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	862000	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.27	164	533344	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	1089862	20.00	ng/ul	0.00
78) Chrysene-d12	21.20	240	1057499	20.00	ng/ul	0.00
86) Perylene-d12	23.39	264	1239342	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	10106	2.06	ng/uL	0.00
5) Phenol-d5	6.82	99	228164	14.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	133874	14.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	193214	14.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	189623	14.23	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	93534	14.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	99249	14.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	203090	14.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	222997	13.79	ng/ul	0.00
44) Dimethylphthalate-d6	13.69	166	616670	15.21	ng/ul	0.00
47) Acenaphthylene-d8	13.96	160	743278	15.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	88026	11.41	ng/ul	0.00
58) Fluorene-d10	15.27	176	535946	15.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	56254	8.46	ng/ul	0.00
71) Anthracene-d10	17.11	188	804647	15.81	ng/ul	0.00
79) Pyrene-d10	19.41	212	886776	17.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.25	264	1049278	16.54	ng/ul	0.00

Target Compounds

					Ovalue
45) Dimethylphthalate	13.73	163	133849	3.172	ng/ul 99
48) Acenaphthylene	13.99	152	89016	1.692	ng/ul 99
50) Acenaphthene	14.33	153	97723	2.733	ng/ul 99
54) Dibenzofuran	14.67	168	63567	1.253	ng/ul 99
59) Fluorene	15.32	166	103565	2.427	ng/ul 99
70) Phenanthrene	17.06	178	2098520	32.712	ng/ul 99
72) Anthracene	17.14	178	545971	8.351	ng/ul 99
75) Carbazole	17.42	167	90256	1.580	ng/ul 99
77) Fluoranthene	19.08	202	4088927	54.074	ng/ul 97
80) Pyrene	19.44	202	3454146	48.634	ng/ul 99
83) Benzo(a)anthracene	21.19	228	1698017	24.355	ng/ul 98
85) Chrysene	21.24	228	1556765	22.758	ng/ul 98
88) Benzo(b)fluoranthene	22.74	252	2189711	28.317	ng/ul 98
89) Benzo(k)fluoranthene	22.78	252	795223m	10.439	ng/ul
91) Benzo(a)pyrene	23.29	252	1598307	22.713	ng/ul 96
92) Indeno(1,2,3-cd)pyrene	25.55	276	1149978	12.374	ng/ul 96
93) Dibenzo(a,h)anthracene	25.56	278	275552m	3.501	ng/ul
94) Benzo(g,h,i)perylene	26.21	276	869621	11.354	ng/ul 98

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

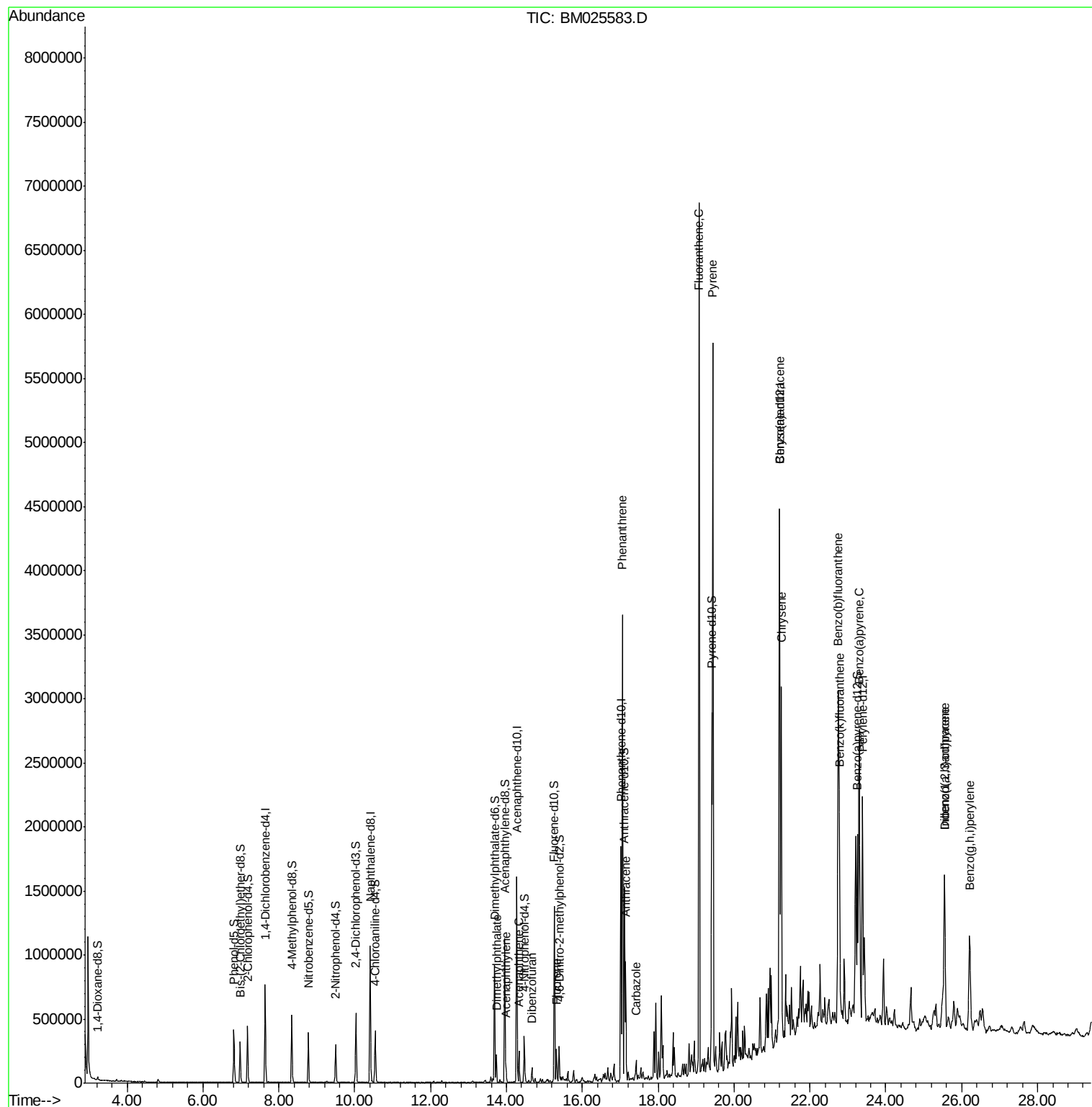
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\
Data File : BM025583.D
Acq On : 16 Mar 2020 16:57
Operator : CG/JU
Sample : L1906-03DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

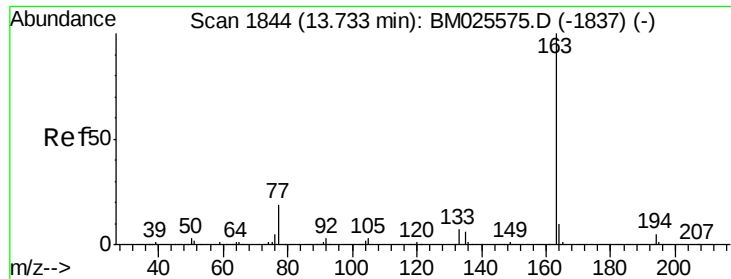
Instrument :
BNA_M
ClientSampleId :
B0AG2DL

Quant Time: Mar 16 17:31:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 16 04:27:51 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
3/17/2020 3:10:16 PM





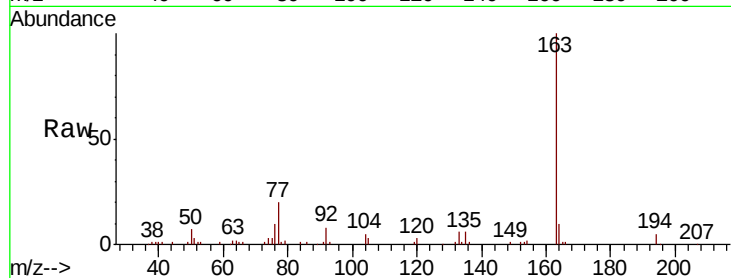
#45
Dimethylphthalate
Concen: 3.172 ng/ul
RT: 13.73 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Instrument :
BNA_M
ClientSampleID :
B0AG2DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	10.5	8.2	12.4

Manual Integrations
APPROVED

mohammad
3/17/2020 3:10:16 PM

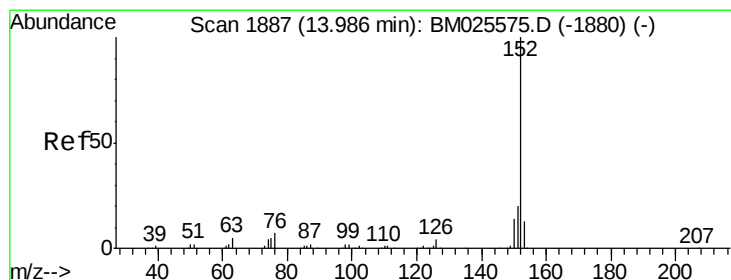
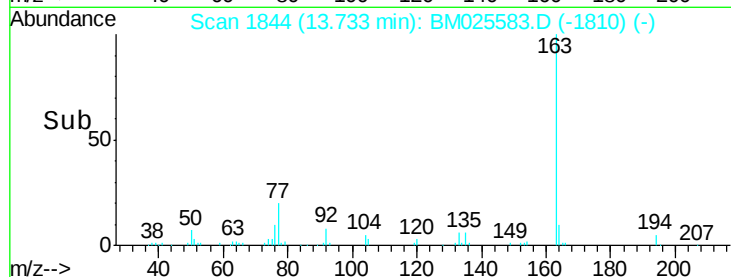
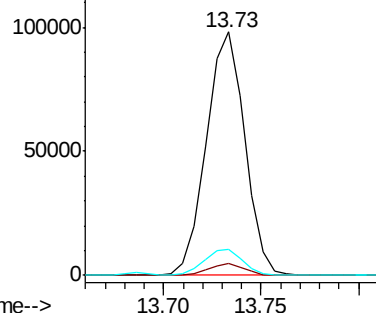


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 1.692 ng/ul
RT: 13.99 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

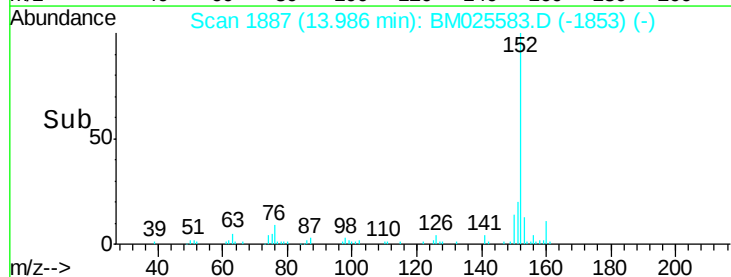
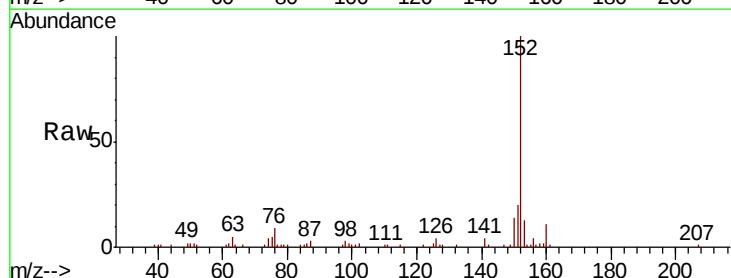
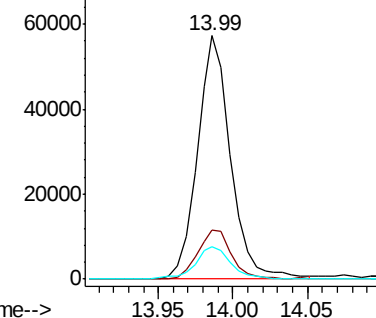
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.2	10.6	16.0

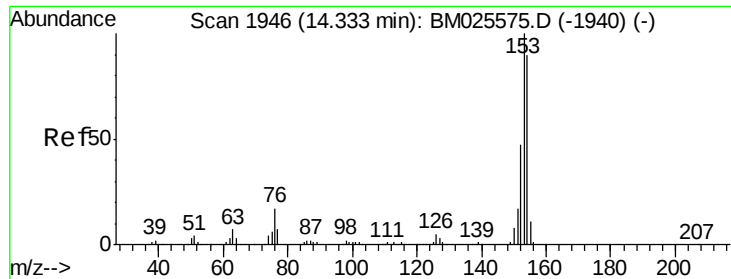
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 2.733 ng/ul

RT: 14.33 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Instrument :

BNA_M

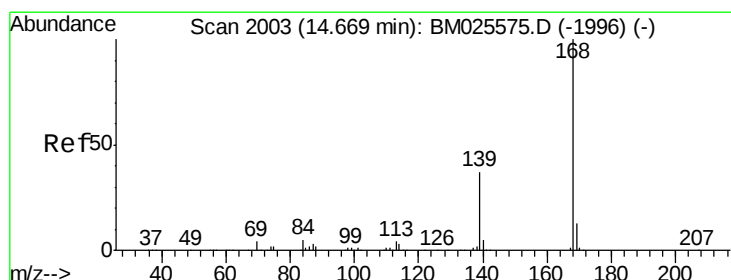
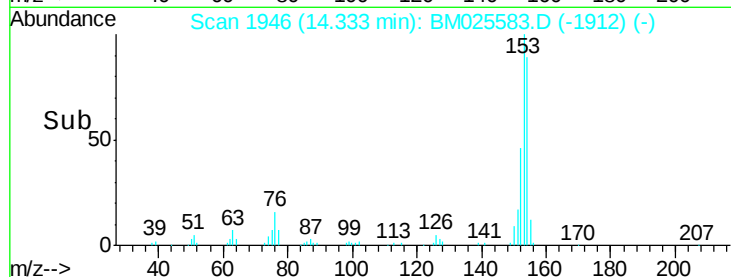
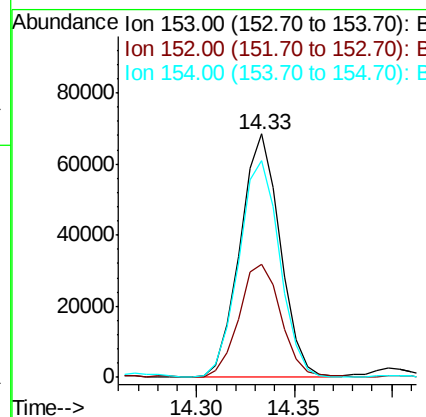
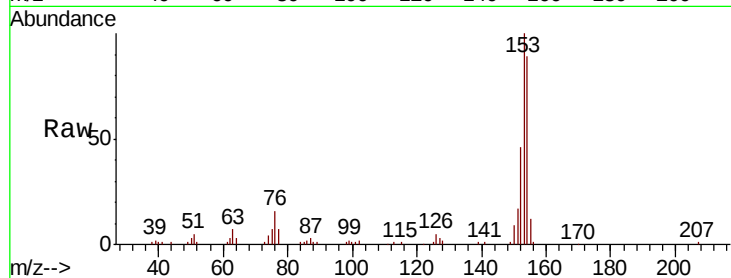
ClientSampleId :

B0AG2DL

Tot Ion:153	Resp:	97723
Ion Ratio	Lower	Upper
153	100	
152	46.3	37.6 56.4
154	89.2	72.2 108.2

Manual Integrations
APPROVED

mohammad
3/17/2020 3:10:16 PM



#54

Dibenzofuran

Concen: 1.253 ng/ul

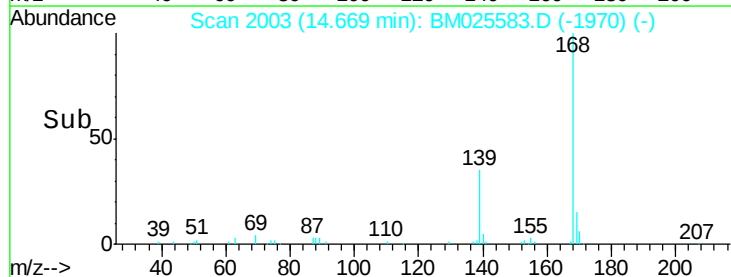
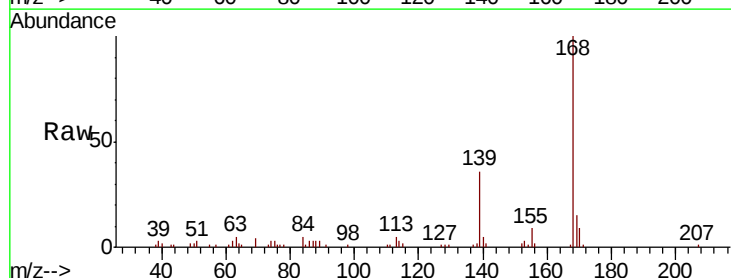
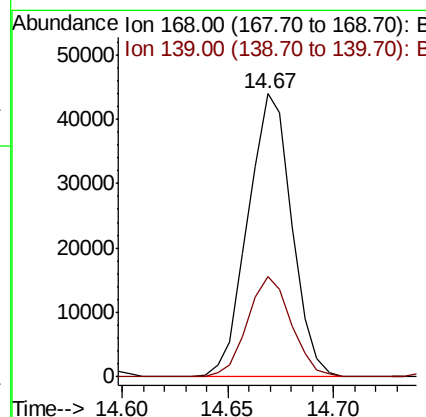
RT: 14.67 min Scan# 2003

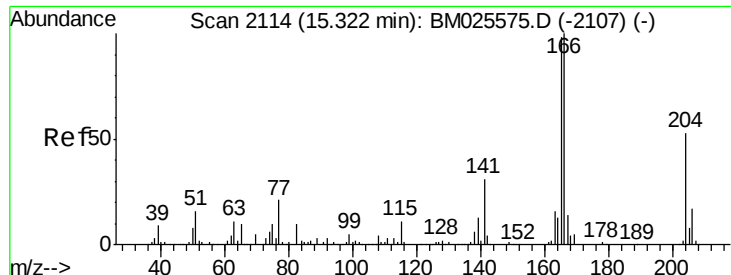
Delta R.T. -0.01 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Tgt Ion:168	Resp:	63567
Ion Ratio	Lower	Upper
168	100	
139	35.5	28.2 42.2





#59

Fluorene

Concen: 2.427 ng/ul

RT: 15.32 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Instrument :

BNA_M

ClientSampleId :

B0AG2DL

Tot Ion:166 Resp: 103565

Ion Ratio Lower Upper

166 100

165 97.7 77.2 115.8

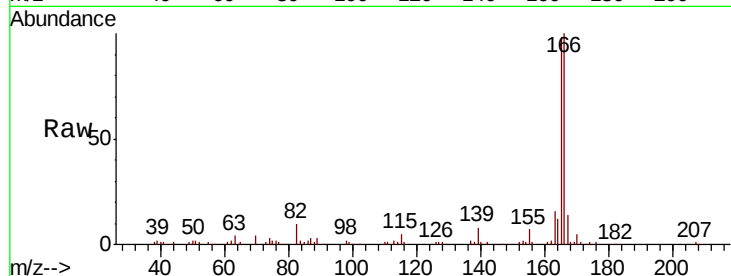
167 13.8 11.2 16.8

Manual Integrations

APPROVED

mohammad

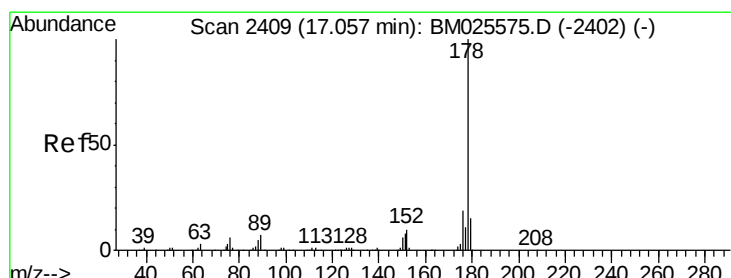
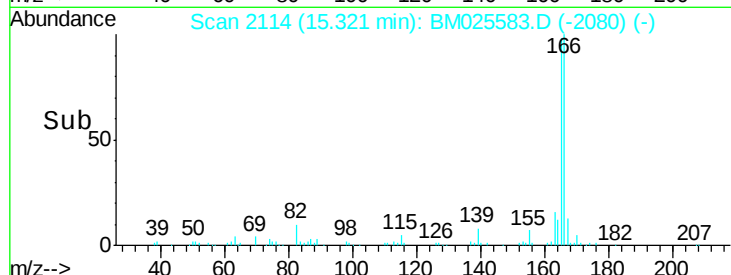
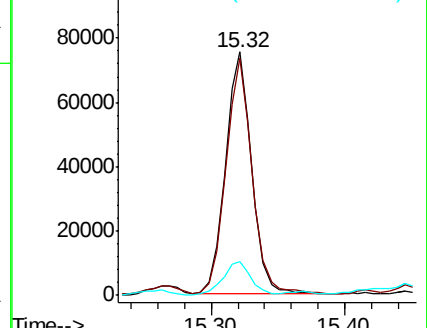
3/17/2020 3:10:16 PM



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: 32.712 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

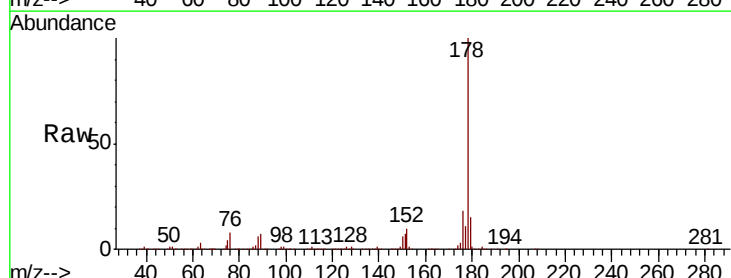
Tgt Ion:178 Resp: 2098520

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

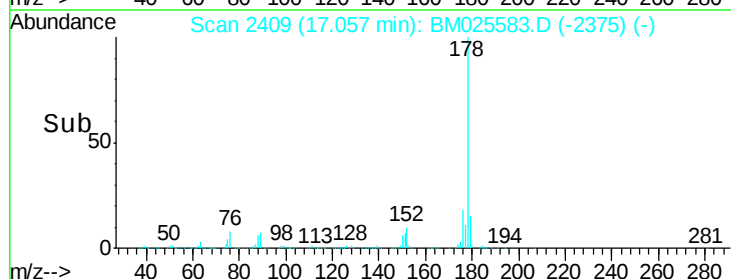
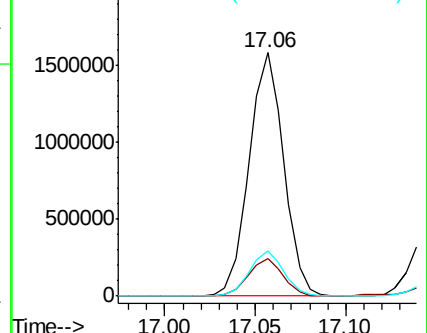
176 18.5 15.3 22.9

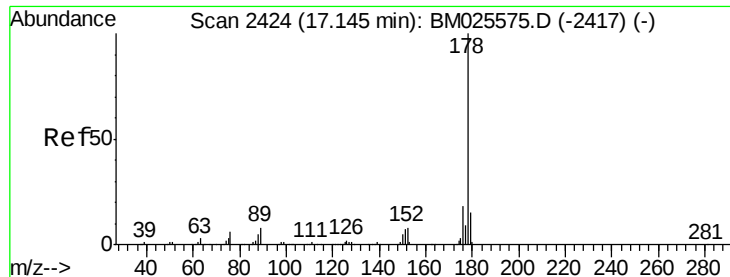


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 8.351 ng/ul

RT: 17.14 min Scan# 2424

Delta R.T. 0.00 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Instrument :

BNA_M

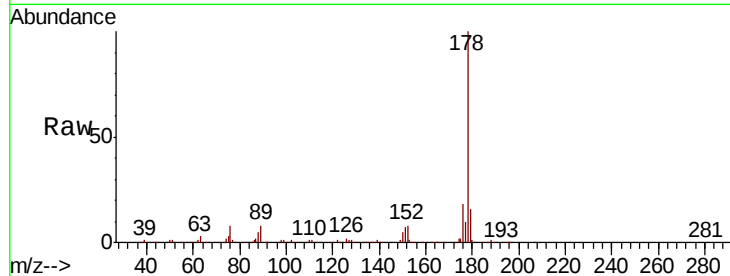
ClientSampleId :

B0AG2DL

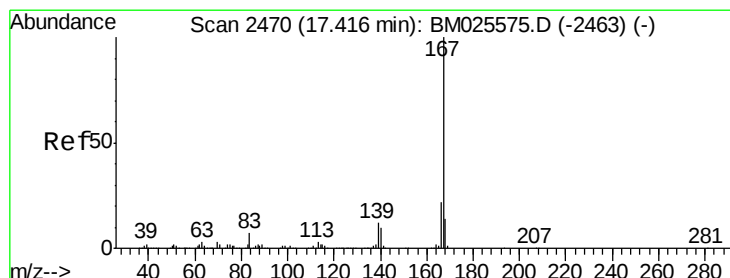
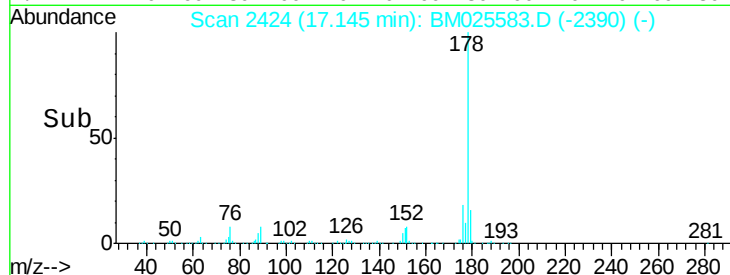
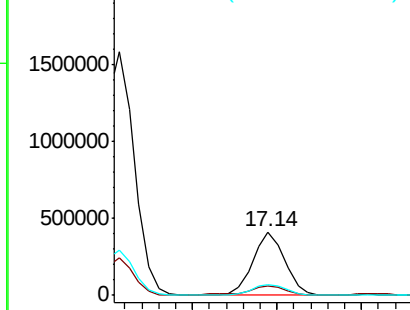
Tot Ion:178	Resp:	545971
Ion Ratio	Lower	Upper
178	100	
179	15.6	12.5 18.7
176	17.7	14.5 21.7

Manual Integrations
APPROVED

mohammad
3/17/2020 3:10:16 PM



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: 1.580 ng/ul

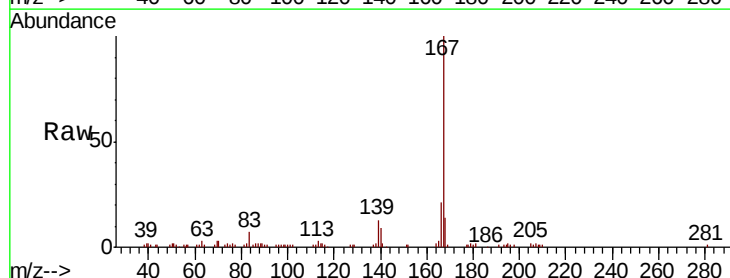
RT: 17.42 min Scan# 2470

Delta R.T. 0.00 min

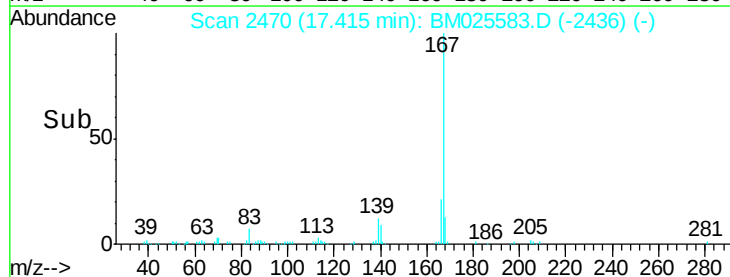
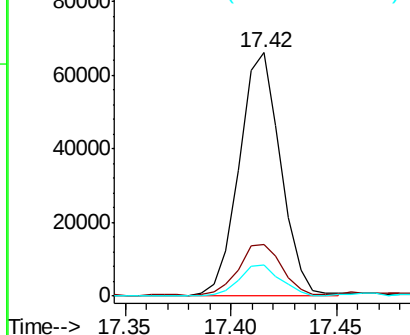
Lab File: BM025583.D

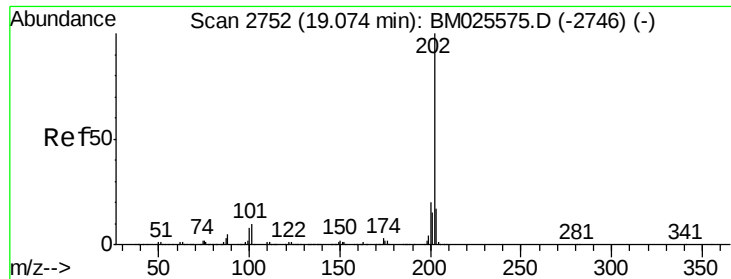
Acq: 16 Mar 2020 16:57

Tgt Ion:167	Resp:	90256
Ion Ratio	Lower	Upper
167	100	
166	21.3	16.7 25.1
139	12.7	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





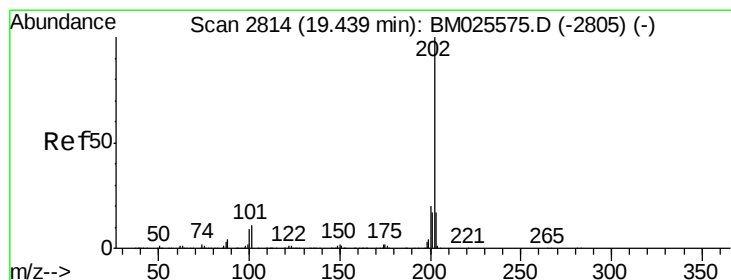
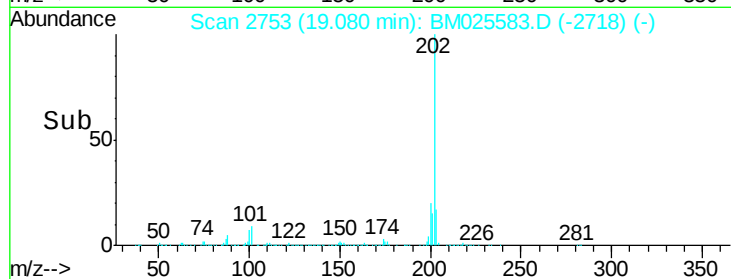
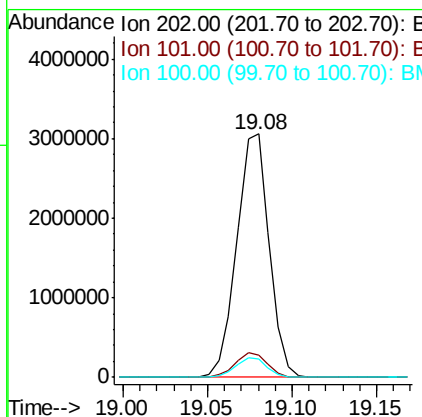
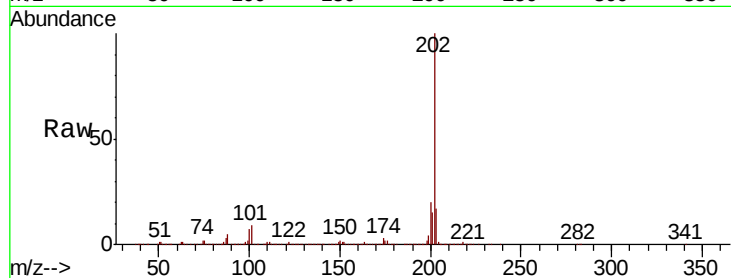
#77
Fluoranthene
 Concen: 54.074 ng/ul
 RT: 19.08 min Scan# 2753
 Delta R.T. 0.01 min
 Lab File: BM025583.D
 Acq: 16 Mar 2020 16:57

Instrument :
 BNA_M
 ClientSampleId :
 B0AG2DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.2	12.4
100	7.3	6.5	9.7

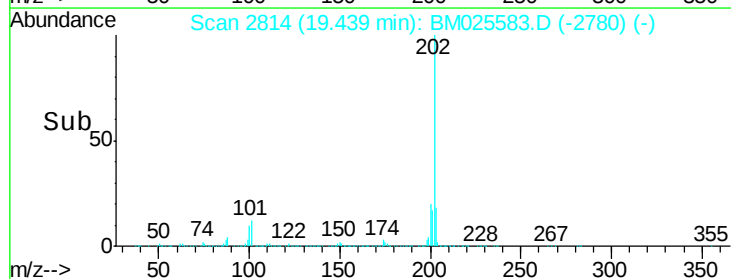
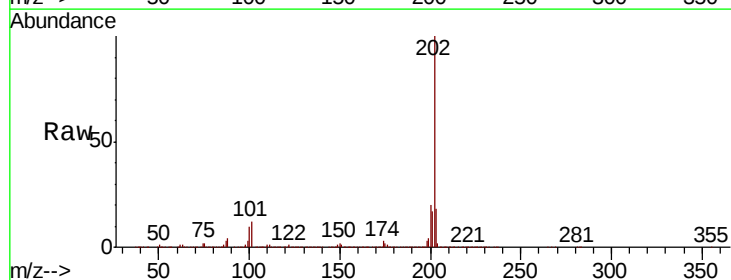
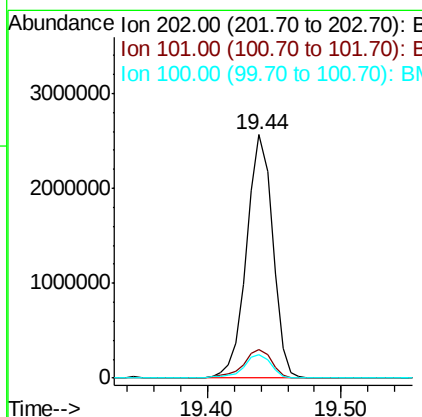
Manual Integrations
 APPROVED

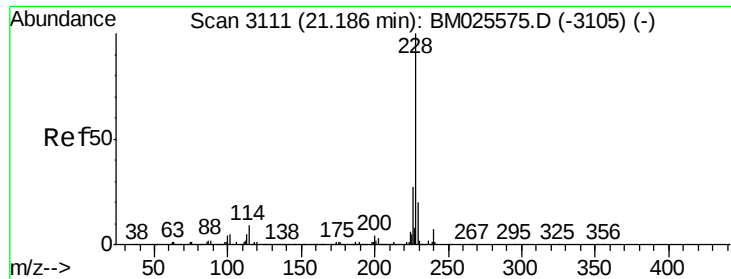
mohammad
 3/17/2020 3:10:16 PM



#80
Pyrene
 Concen: 48.634 ng/ul
 RT: 19.44 min Scan# 2814
 Delta R.T. 0.00 min
 Lab File: BM025583.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.9	13.3
100	9.7	7.5	11.3





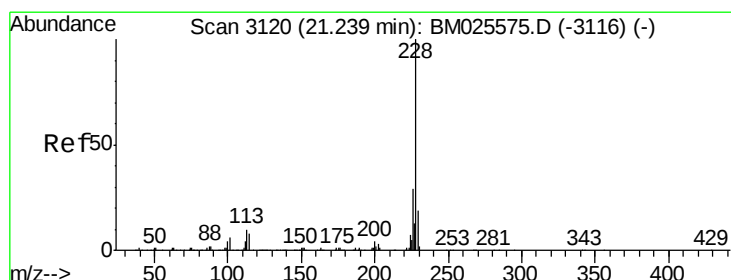
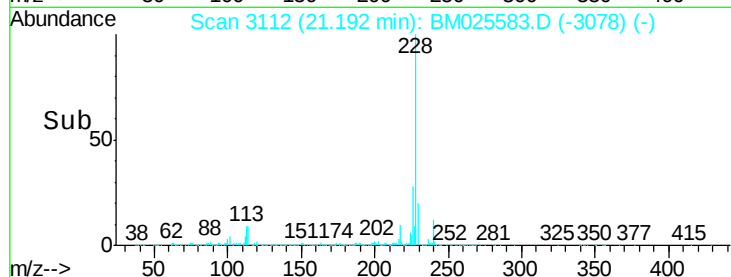
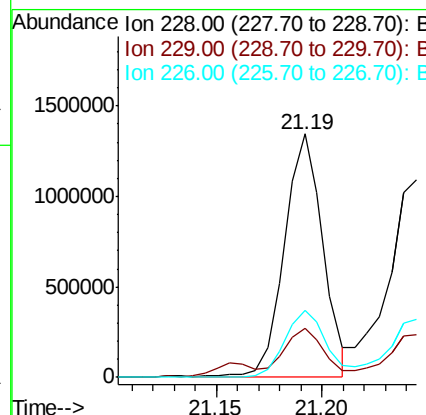
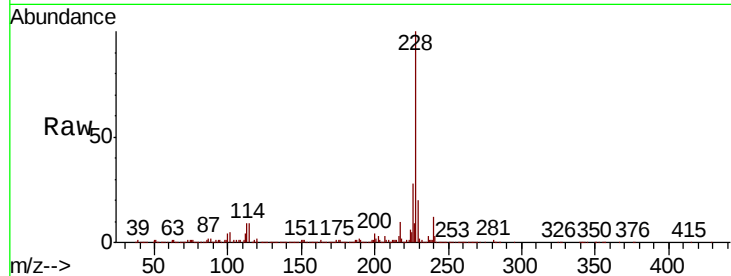
#83
Benzo(a)anthracene
Concen: 24.355 ng/ul
RT: 21.19 min Scan# 3112
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Instrument :
BNA_M
ClientSampleId :
B0AG2DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.5	23.3
226	27.7	21.0	31.6

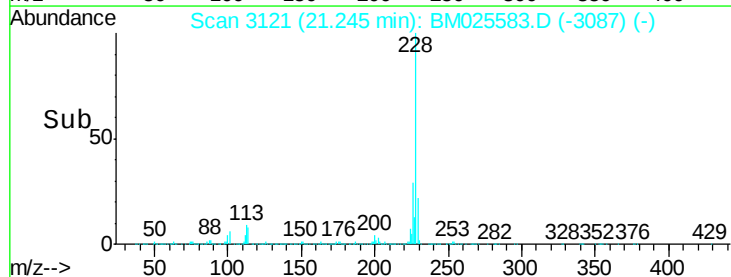
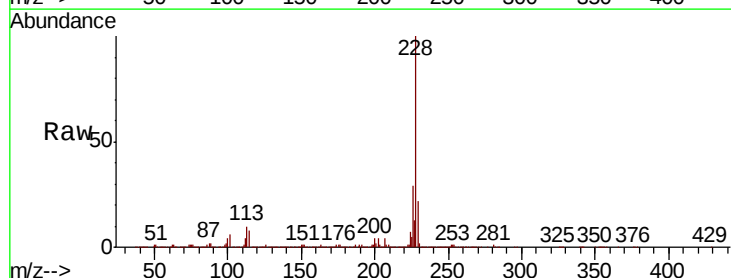
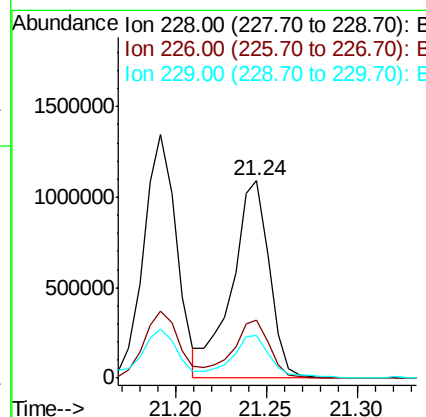
Manual Integrations
APPROVED

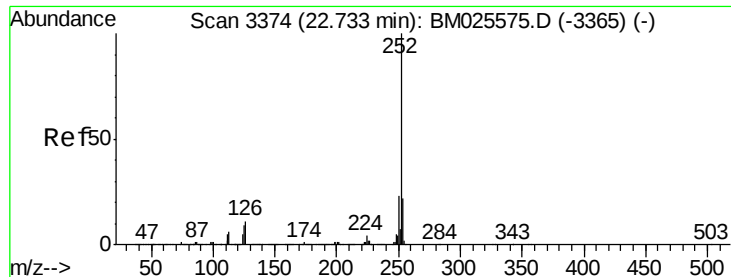
mohammad
3/17/2020 3:10:16 PM



#85
Chrysene
Concen: 22.758 ng/ul
RT: 21.24 min Scan# 3121
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.0
229	21.8	15.6	23.4





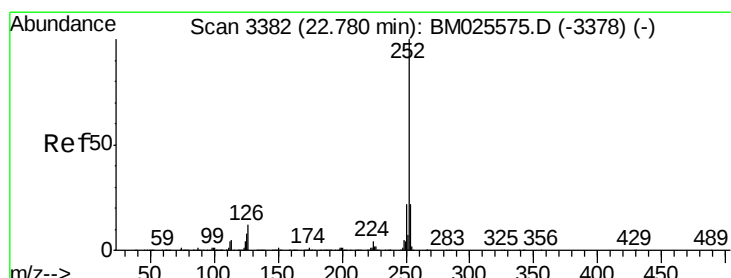
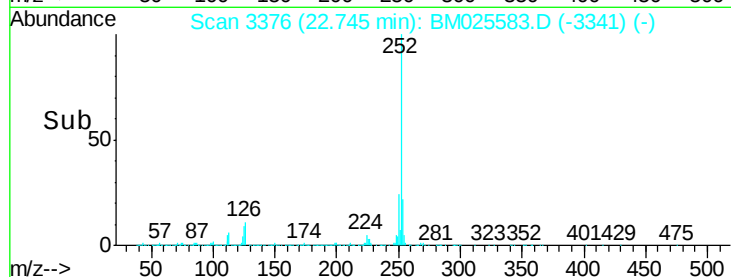
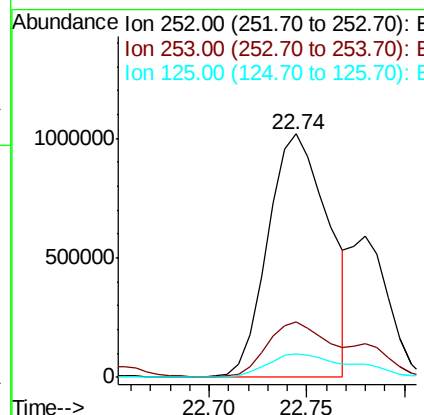
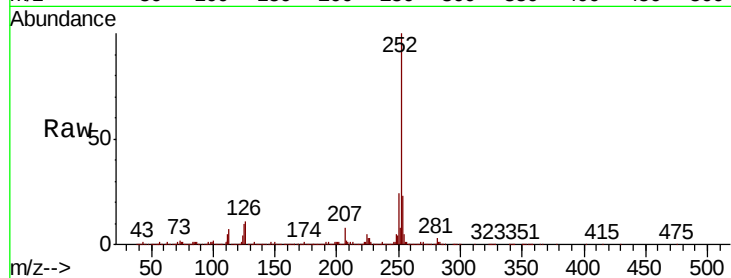
#88
Benzo(b)fluoranthene
Concen: 28.317 ng/ul
RT: 22.74 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Instrument :
BNA_M
ClientSampleId :
B0AG2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	9.6	6.7	10.1

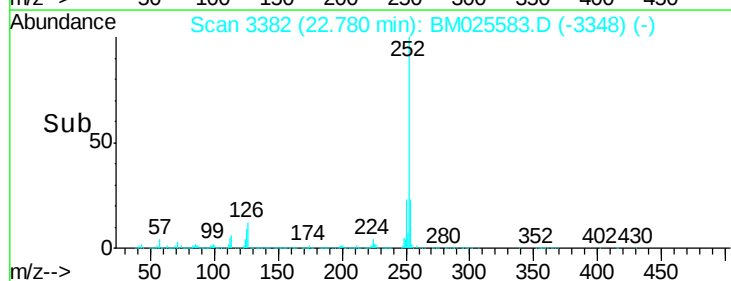
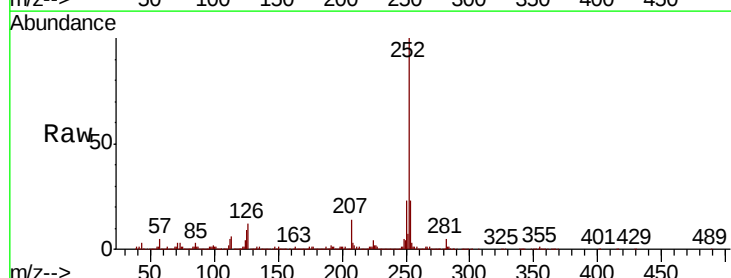
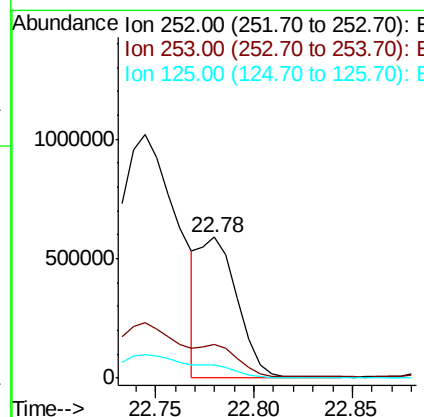
Manual Integrations
APPROVED

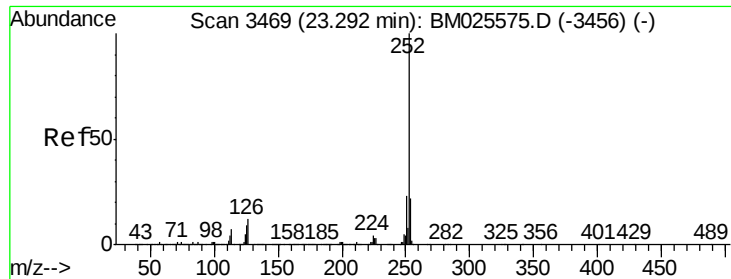
mohammad
3/17/2020 3:10:16 PM



#89
Benzo(k)fluoranthene
Concen: 10.439 ng/ul m
RT: 22.78 min Scan# 3382
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	9.2	6.9	10.3





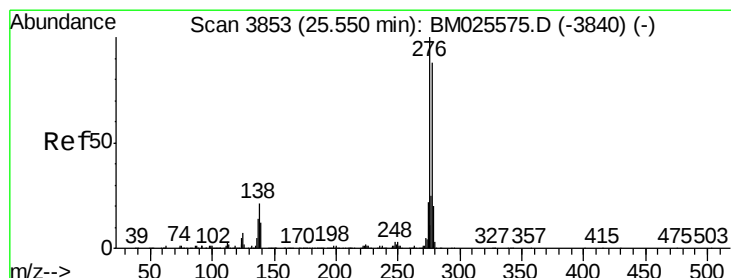
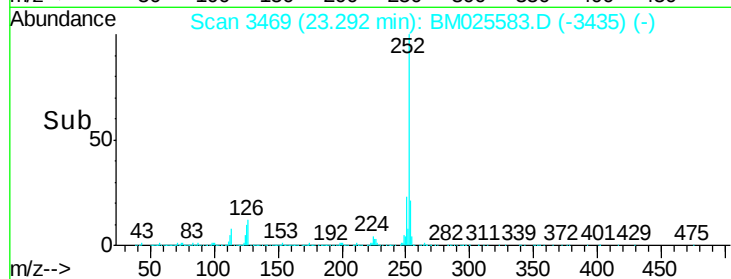
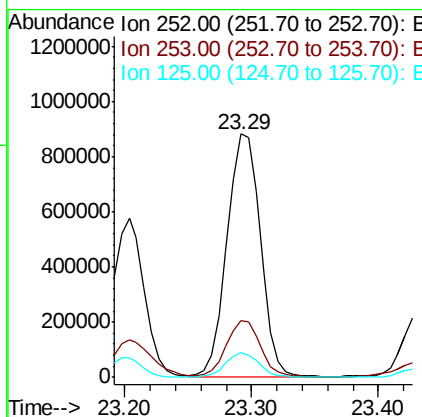
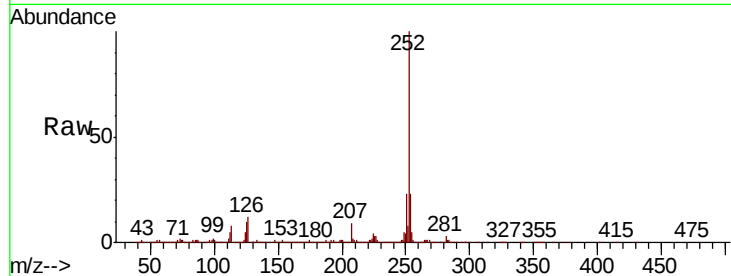
#91
Benzo(a)pyrene
Concen: 22.713 ng/ul
RT: 23.29 min Scan# 3469
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Instrument :
BNA_M
ClientSampleId :
B0AG2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.1	7.1	10.7

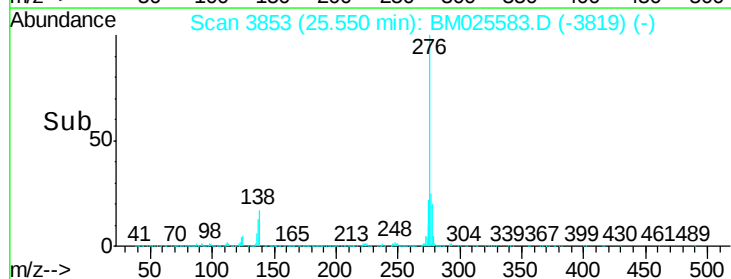
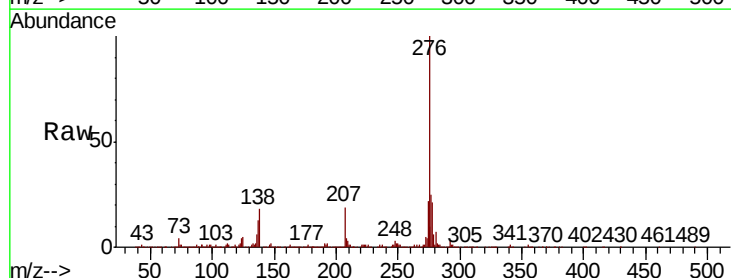
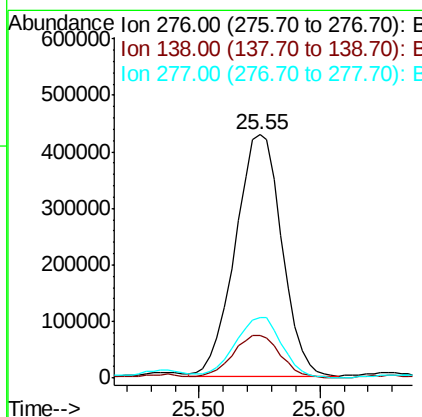
Manual Integrations
APPROVED

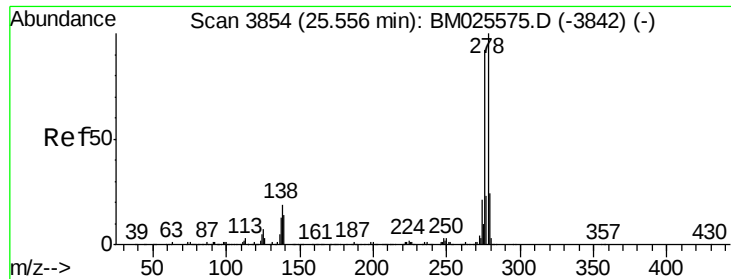
mohammad
3/17/2020 3:10:16 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 12.374 ng/ul
RT: 25.55 min Scan# 3853
Delta R.T. 0.00 min
Lab File: BM025583.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	16.5	24.7
277	25.1	19.7	29.5





#93

Dibenzo(a,h)anthracene

Concen: 3.501 ng/ul m

RT: 25.56 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Instrument :

BNA_M

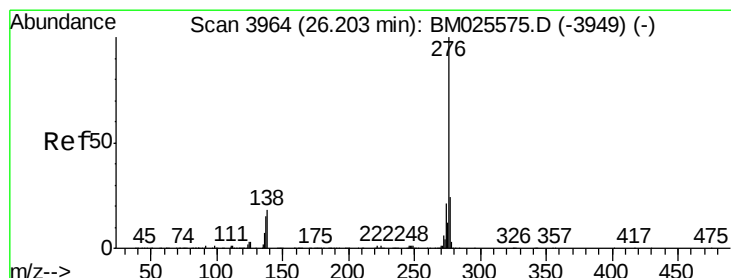
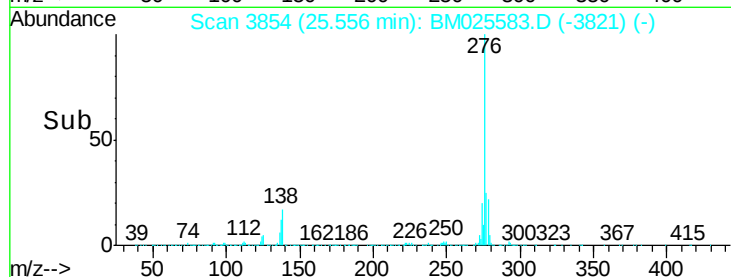
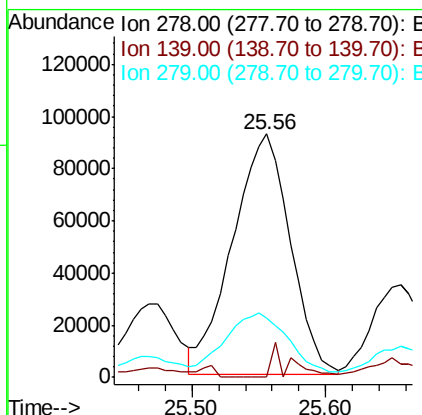
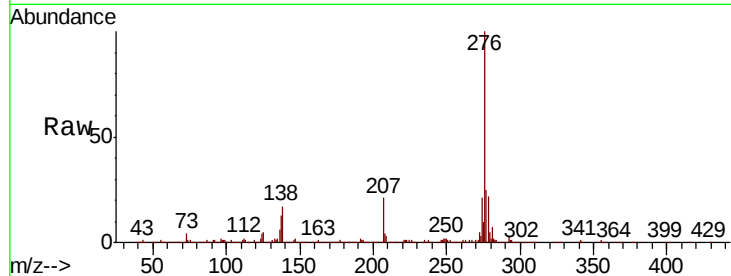
ClientSampleId :

B0AG2DL

Tot Ion:	278	Resp:	275552
Ion Ratio	Lower	Upper	
278	100		
139	0.0	10.4	15.6#
279	24.4	18.6	28.0

Manual Integrations
APPROVED

mohammad
3/17/2020 3:10:16 PM



#94

Benzo(g,h,i)perylene

Concen: 11.354 ng/ul

RT: 26.21 min Scan# 3965

Delta R.T. 0.00 min

Lab File: BM025583.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	276	Resp:	869621
Ion Ratio	Lower	Upper	
276	100		
138	18.4	13.2	19.8
277	23.5	19.0	28.4

