

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023331.D
 Acq On : 22 Oct 2019 22:32
 Operator : JU
 Sample : K5354-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB89

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:08:56 AM

Quant Time: Oct 23 03:51:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 01:39:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	378019	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1506853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	952166	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1986861	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2063266	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2515817	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	31355	3.65	ng/uL	0.00
5) Phenol-d5	6.82	99	618400	18.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	357222	19.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	510217	20.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	481977	18.22	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	245458	24.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	269217	27.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	513115	20.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	196987	6.56	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1561043	21.39	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1859207	21.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	194604	16.47	ng/ul	0.00
58) Fluorene-d10	15.29	176	1383700	22.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	144760	18.38	ng/ul	0.00
71) Anthracene-d10	17.14	188	2206769	23.03	ng/ul	0.00
79) Pyrene-d10	19.44	212	2450498	24.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	2983206	23.39	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.85	94	66490	1.958	ng/ul 93
28) Naphthalene	10.47	128	233941	3.004	ng/ul 98
45) Dimethylphthalate	13.76	163	687101	9.408	ng/ul 98
48) Acenaphthylene	14.01	152	318599	3.641	ng/ul 99
70) Phenanthrene	17.08	178	528142	4.737	ng/ul 97
72) Anthracene	17.17	178	303244	2.632	ng/ul 100
77) Fluoranthene	19.10	202	1583518	11.941	ng/ul 99
80) Pyrene	19.46	202	1544495	11.949	ng/ul 99
83) Benzo(a)anthracene	21.22	228	1587540m	11.356	ng/ul
84) Bis(2-ethylhexyl)phthalate	21.17	149	85039	1.190	ng/ul# 95
85) Chrysene	21.27	228	1616792	12.455	ng/ul 98
88) Benzo(b)fluoranthene	22.78	252	2674247	17.532	ng/ul 98
89) Benzo(k)fluoranthene	22.82	252	814500m	5.561	ng/ul
91) Benzo(a)pyrene	23.34	252	1960507	13.397	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.64	276	1494798	8.586	ng/ul 97
93) Dibenzo(a,h)anthracene	25.65	278	425656	2.924	ng/ul 95
94) Benzo(g,h,i)perylene	26.32	276	1461625	10.197	ng/ul 99

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

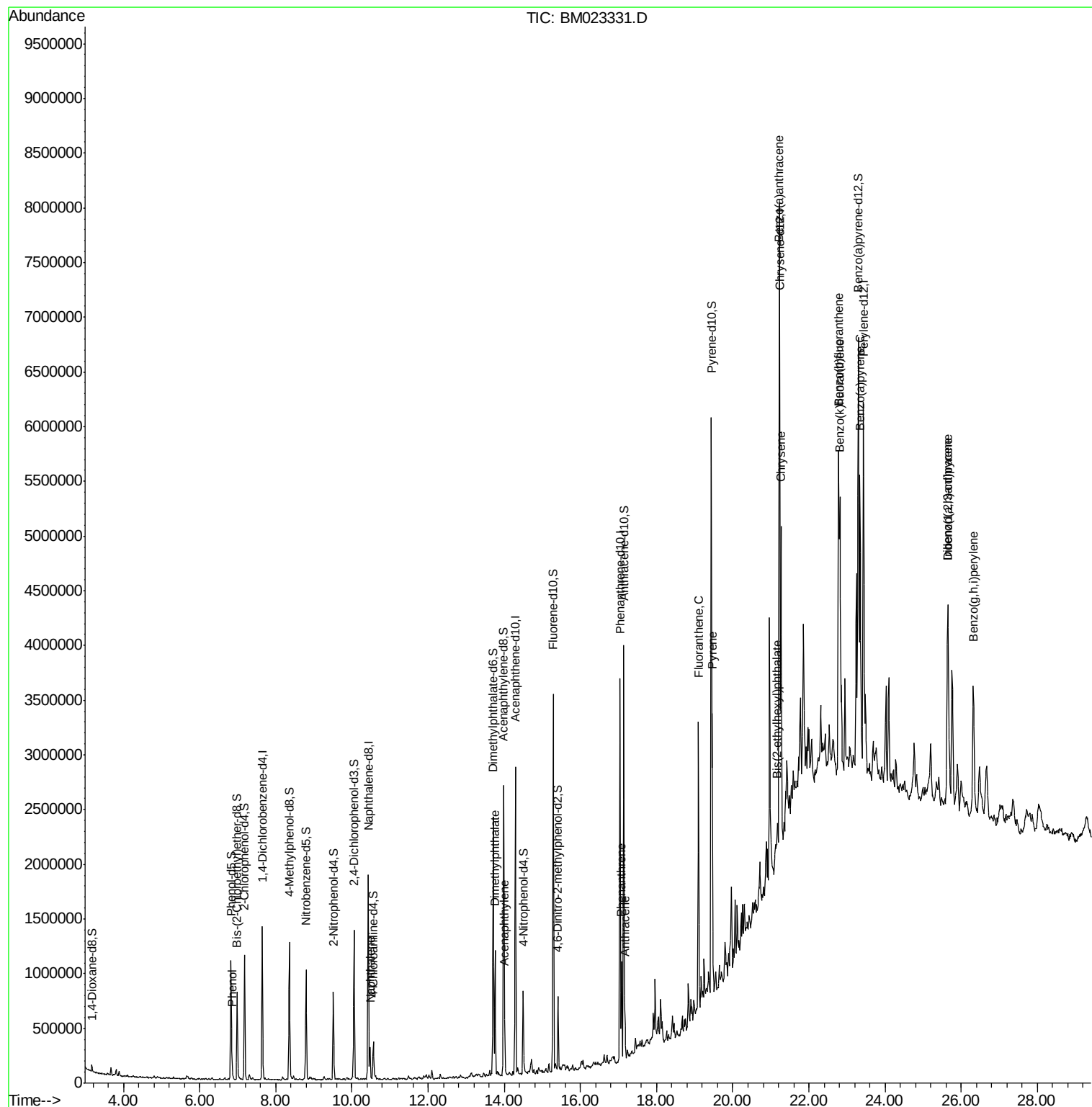
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023331.D
Acq On : 22 Oct 2019 22:32
Operator : JU
Sample : K5354-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

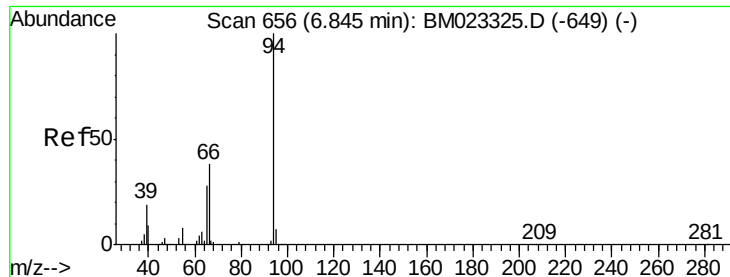
Instrument :
BNA_M
ClientSampleId :
BFB89

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:56 AM

Quant Time: Oct 23 03:51:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.958 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

Instrument :

BNA_M

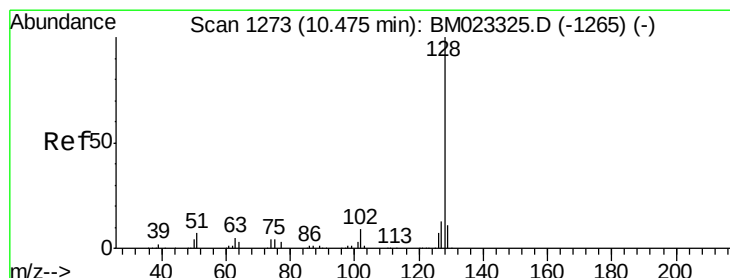
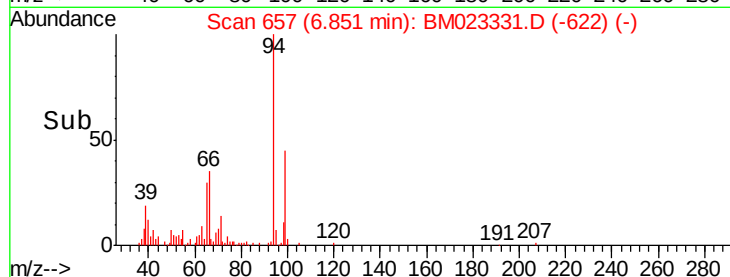
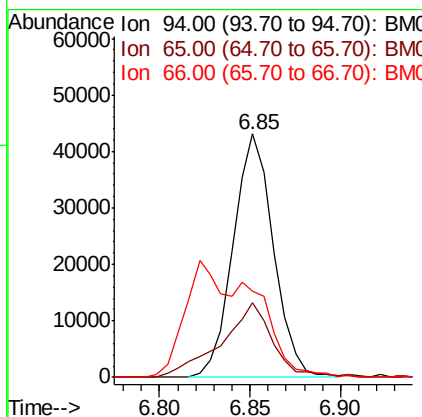
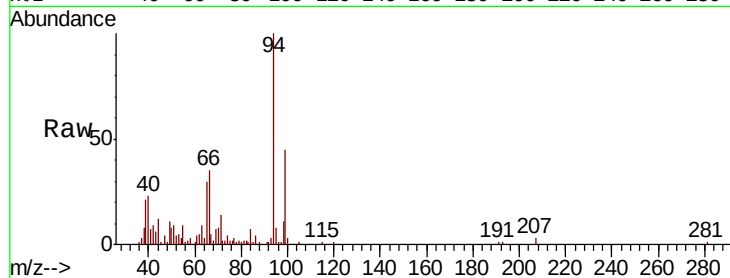
ClientSampled :

BFB89

Tot Ion:	94	Resp:	66490
Ion	Ratio	Lower	Upper
94	100		
65	30.5	23.2	34.8
66	35.3	32.9	49.3

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:56 AM



#28

Naphthalene

Concen: 3.004 ng/ul

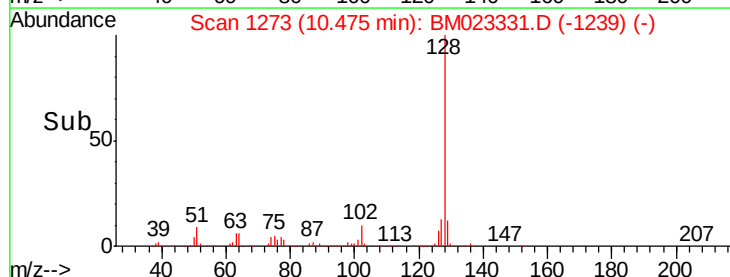
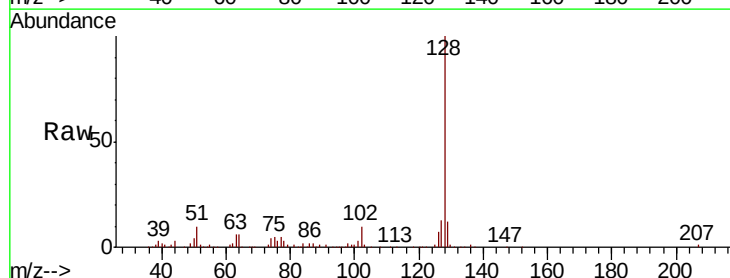
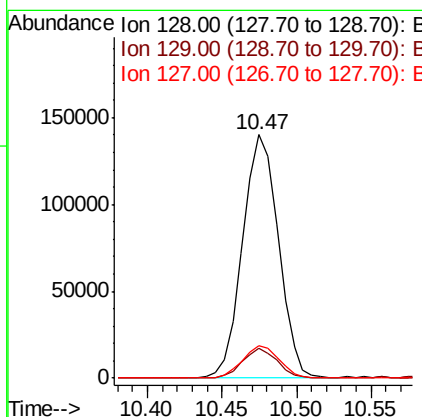
RT: 10.47 min Scan# 1273

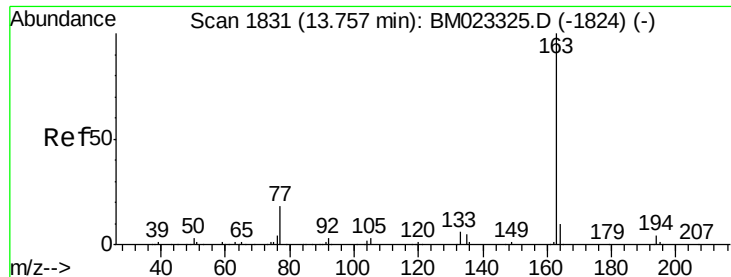
Delta R.T. 0.00 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

Tgt Ion:	128	Resp:	233941
Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	13.4	10.2	15.4





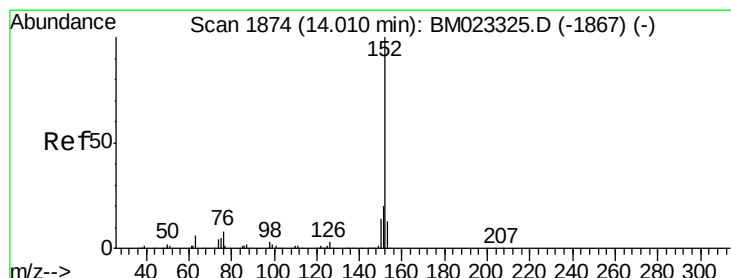
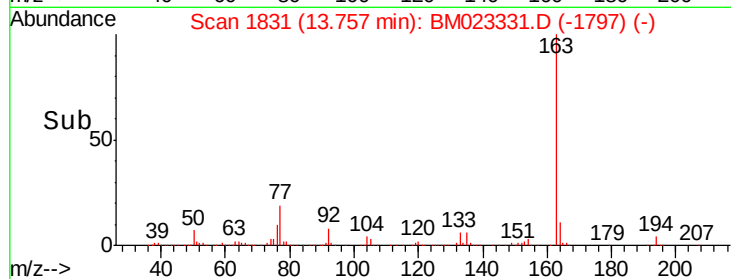
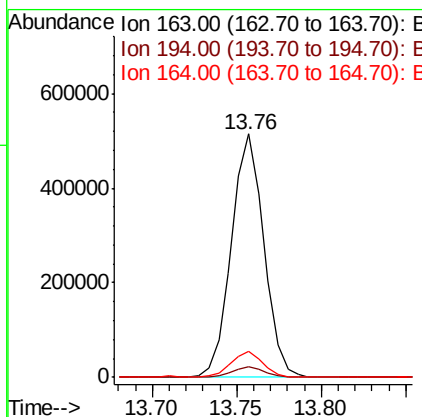
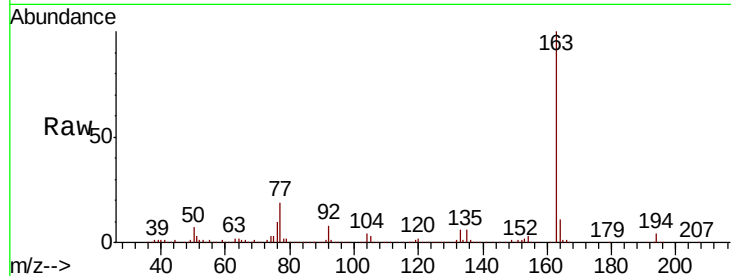
#45
Dimethylphthalate
Concen: 9.408 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023331.D
Acq: 22 Oct 2019 22:32

Instrument :
BNA_M
ClientSampleId :
BFB89

Tot Ion	Ratio	Resp	Lower	Upper
163	100	687101		
194	4.2		3.4	5.2
164	10.5		7.8	11.6

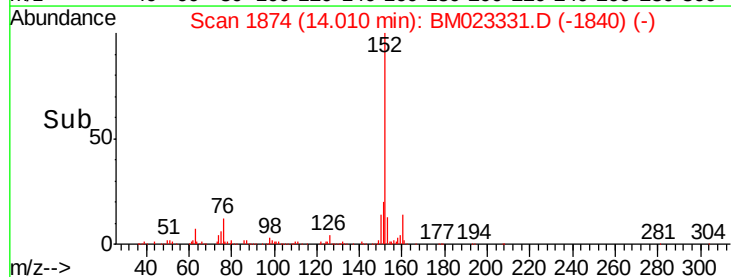
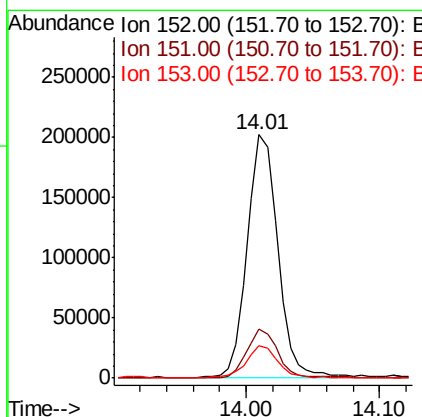
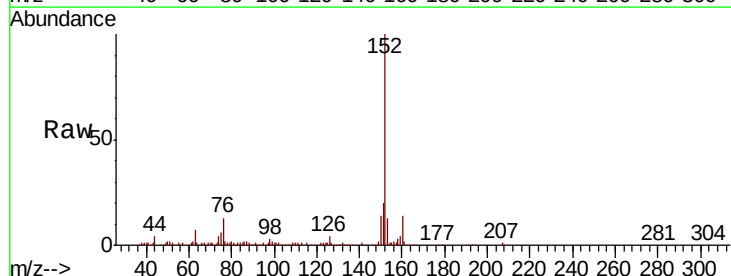
Manual Integrations
APPROVED

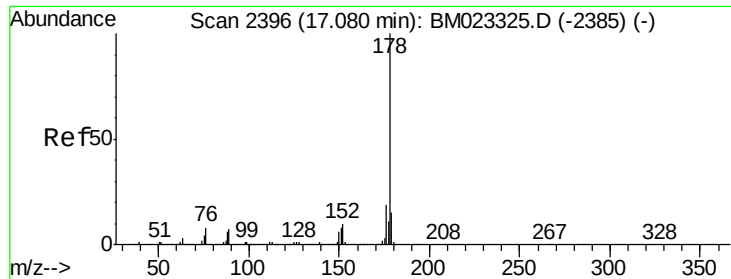
mohammad
10/24/2019 8:08:56 AM



#48
Acenaphthylene
Concen: 3.641 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM023331.D
Acq: 22 Oct 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	318599		
151	20.3		15.9	23.9
153	13.3		10.3	15.5





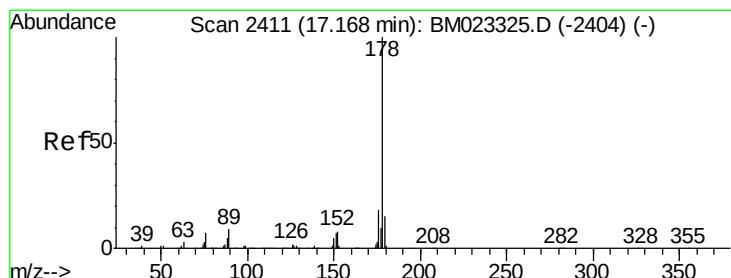
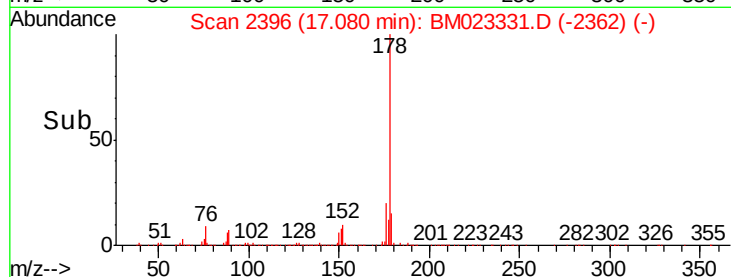
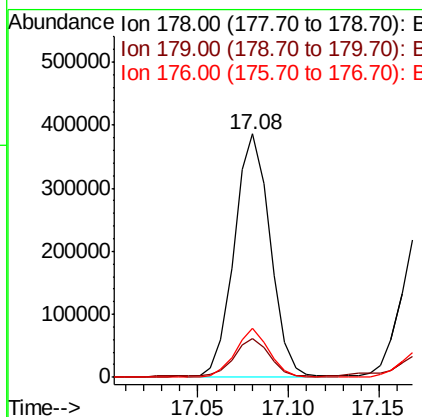
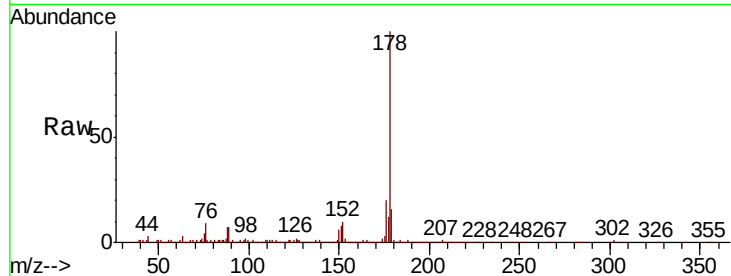
#70
 Phenanthrene
 Concen: 4.737 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.00 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Instrument :
 BNA_M
 ClientSampleId :
 BFB89

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.7	17.5
176	19.9	15.0	22.4

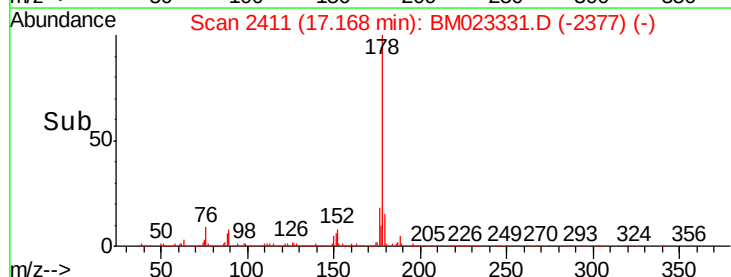
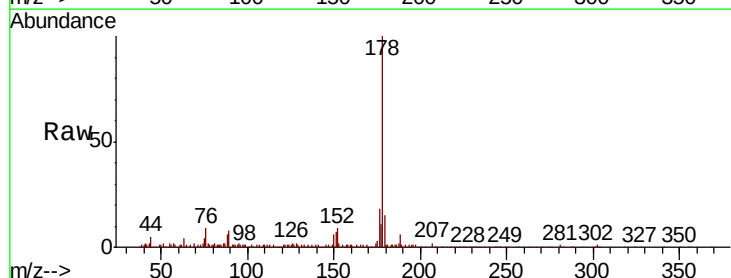
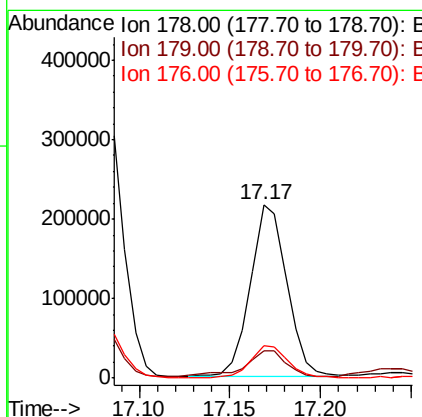
Manual Integrations
 APPROVED

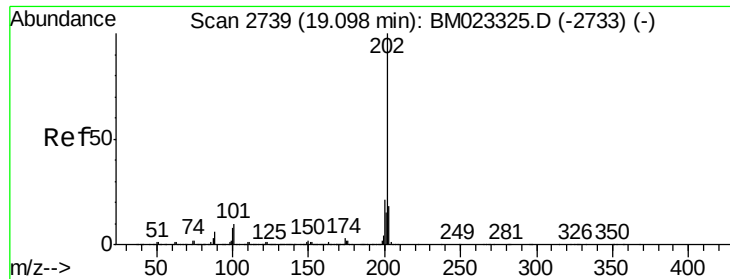
mohammad
 10/24/2019 8:08:56 AM



#72
 Anthracene
 Concen: 2.632 ng/ul
 RT: 17.17 min Scan# 2411
 Delta R.T. 0.00 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.3	14.8	22.2





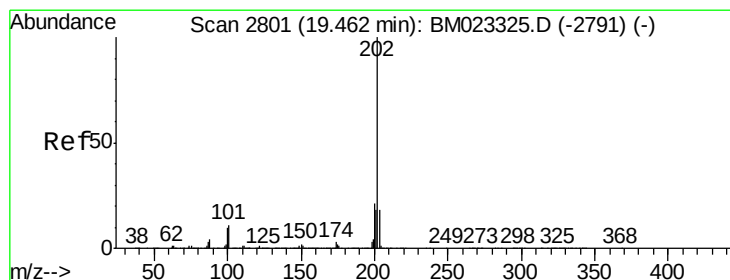
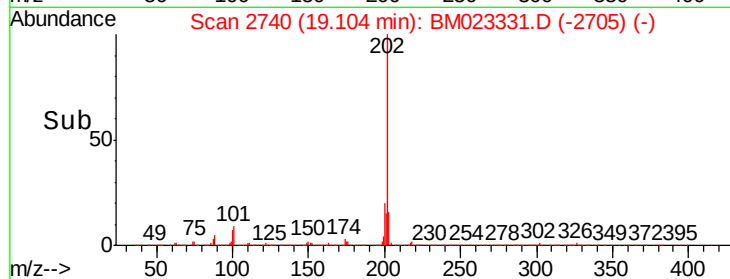
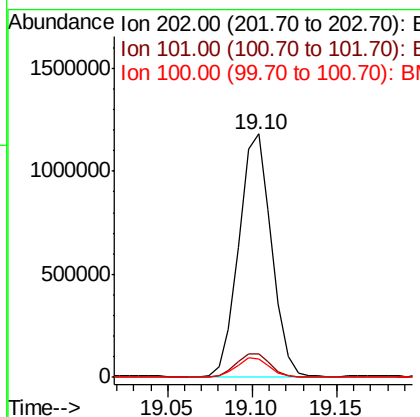
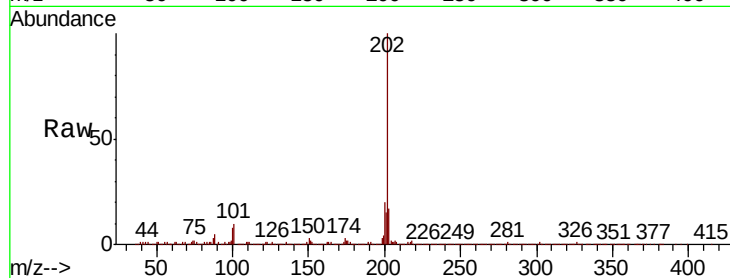
#77
 Fluoranthene
 Concen: 11.941 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Instrument :
 BNA_M
 ClientSampleId :
 BFB89

Tot Ion:	202	Resp:	1583518
Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.2	12.4
100	7.6	6.1	9.1

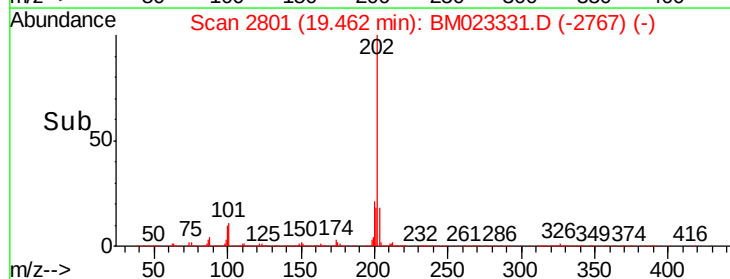
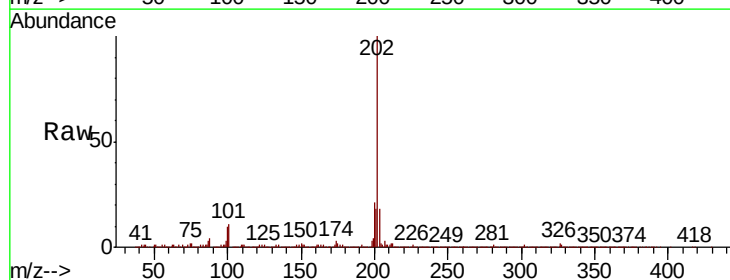
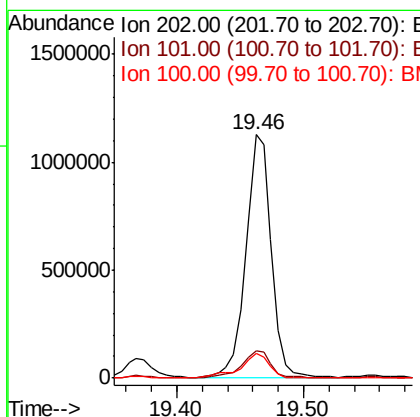
Manual Integrations
 APPROVED

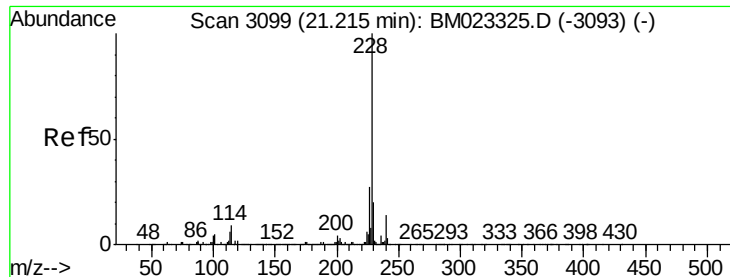
mohammad
 10/24/2019 8:08:56 AM



#80
 Pyrene
 Concen: 11.949 ng/ul
 RT: 19.46 min Scan# 2801
 Delta R.T. 0.00 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Tgt Ion:	202	Resp:	1544495
Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.0	13.6
100	10.0	7.5	11.3





#83

Benzo(a)anthracene

Concen: 11.356 ng/ul m

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BFB89

Tot Ion:228 Resp: 1587540

Ion Ratio Lower Upper

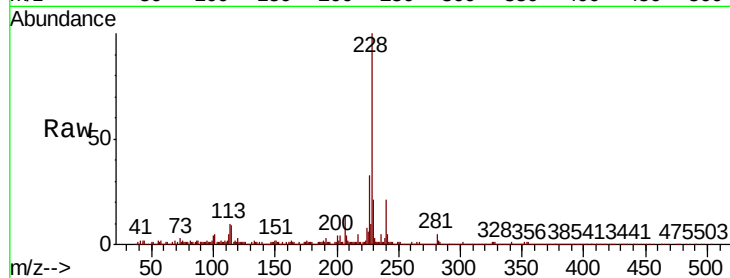
228 100

229 21.0 15.8 23.8

226 33.4 21.5 32.3#

Manual Integrations
APPROVED

mohammad
10/24/2019 8:08:56 AM

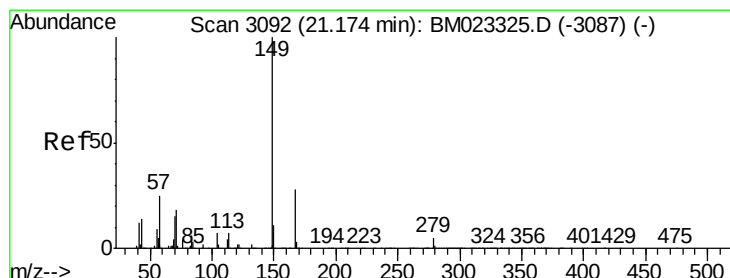
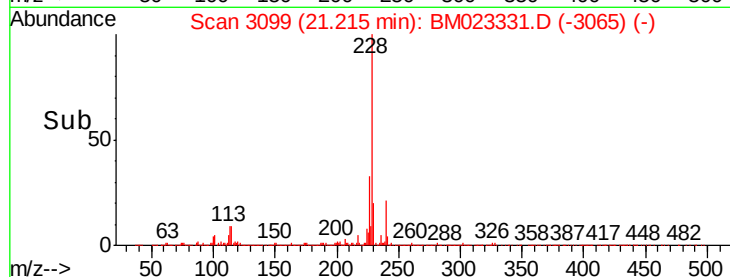
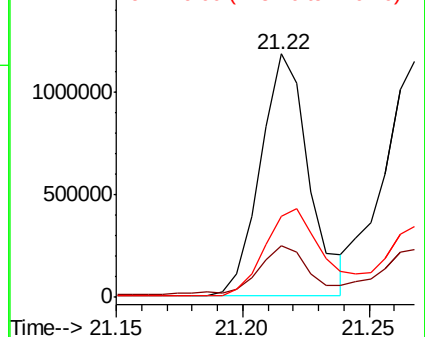


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 1.190 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

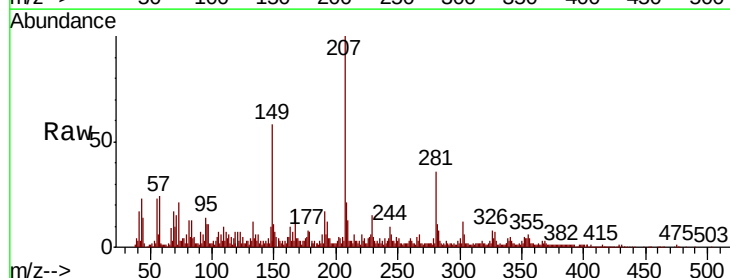
Tgt Ion:149 Resp: 85039

Ion Ratio Lower Upper

149 100

167 30.5 22.1 33.1

279 7.0 4.3 6.5#

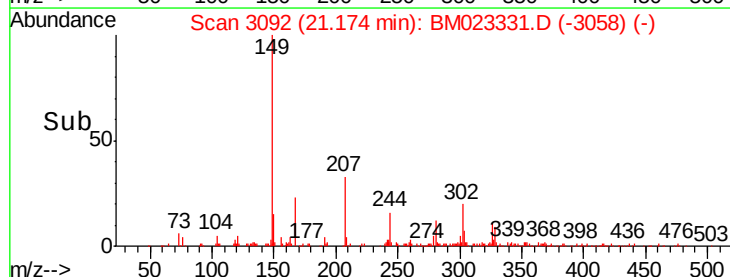
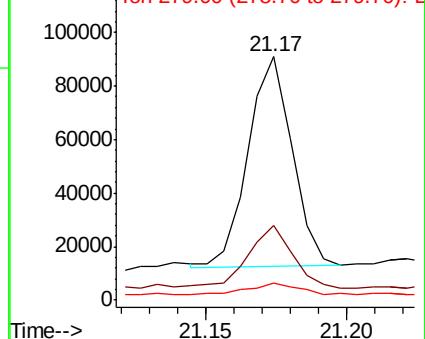


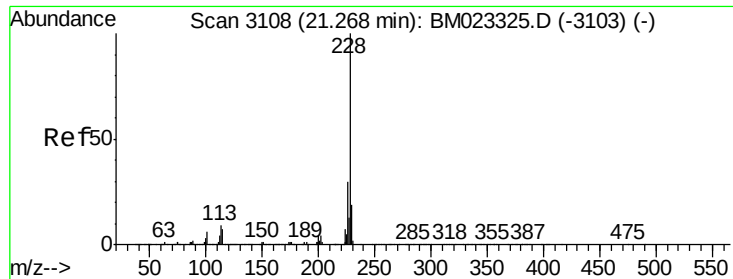
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 12.455 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.00 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BFB89

Tot Ion:228 Resp: 1616792

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

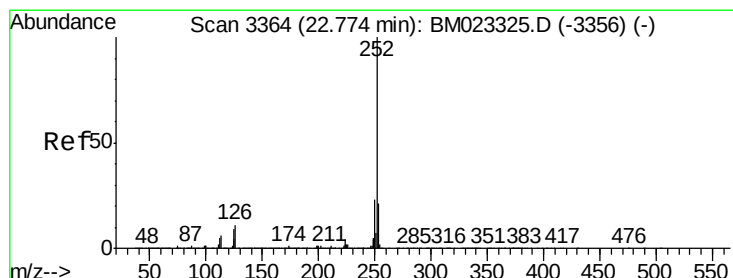
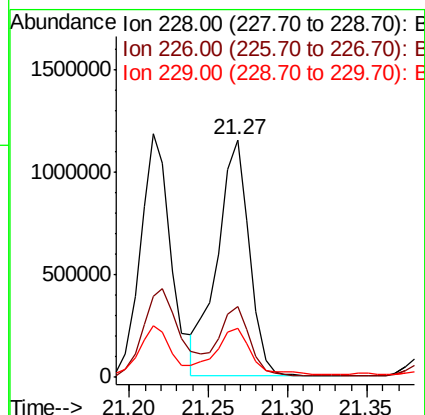
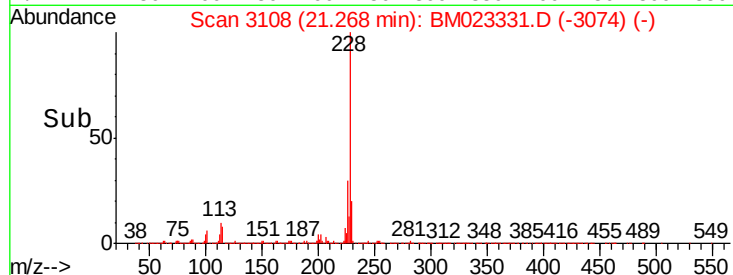
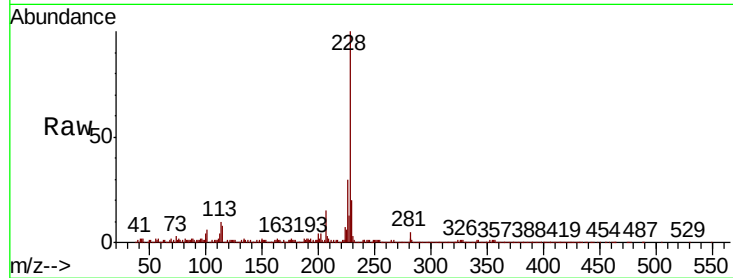
229 20.4 15.5 23.3

Manual Integrations

APPROVED

mohammad

10/24/2019 8:08:56 AM



#88

Benzo(b)fluoranthene

Concen: 17.532 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

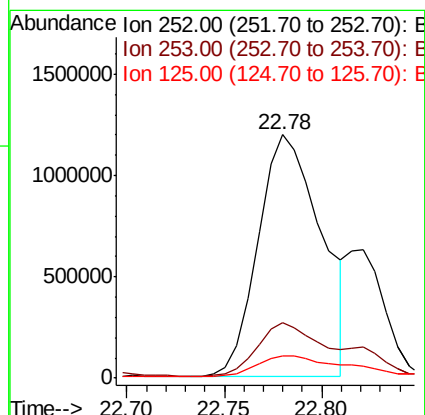
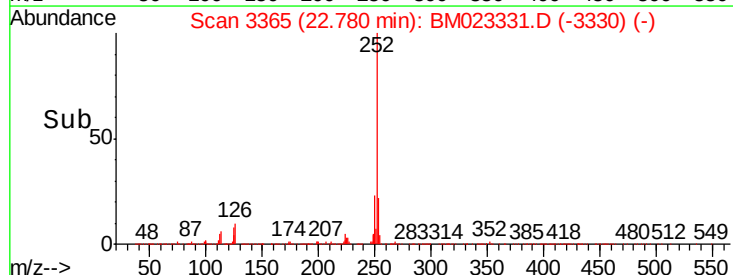
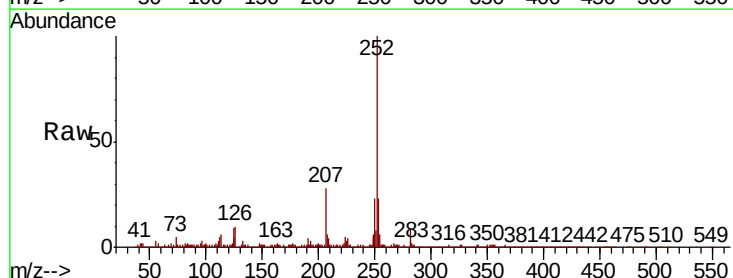
Tgt Ion:252 Resp: 2674247

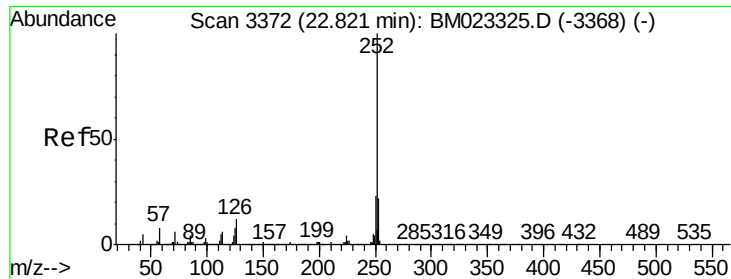
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.1 7.0 10.4





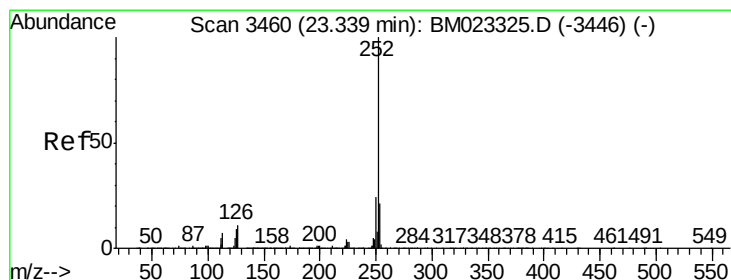
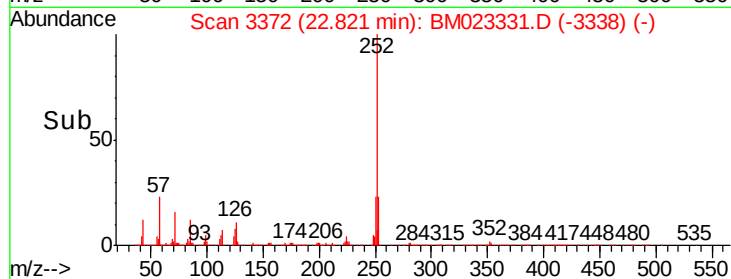
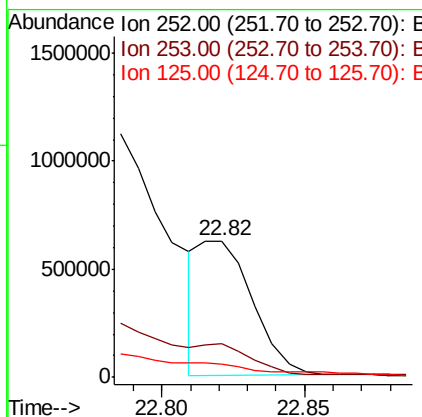
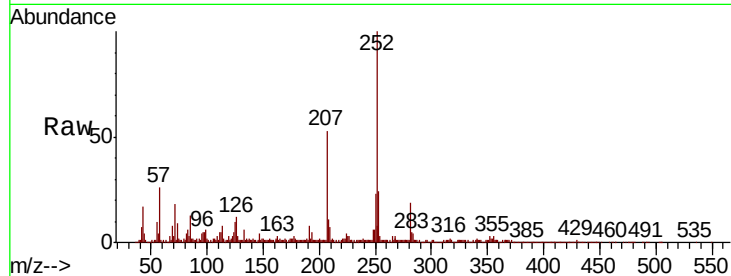
#89
Benzo(k)fluoranthene
Concen: 5.561 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BM023331.D
Acq: 22 Oct 2019 22:32

Instrument :
BNA_M
ClientSampled :
BFB89

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	9.8	6.6	9.8

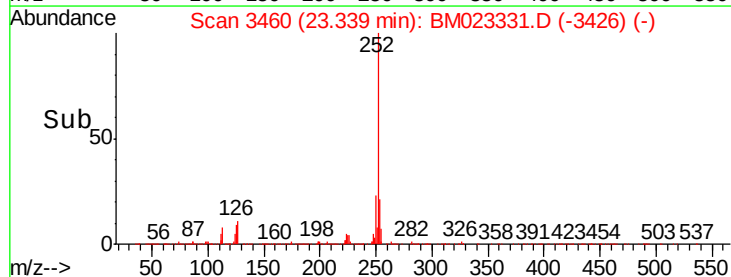
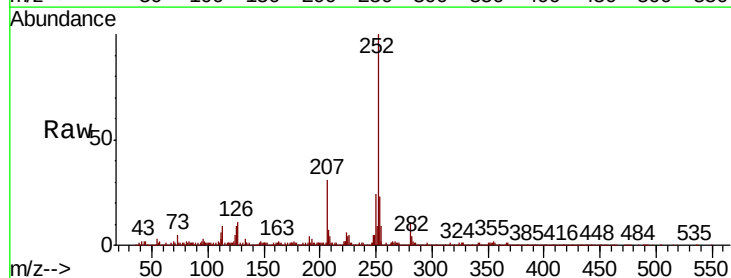
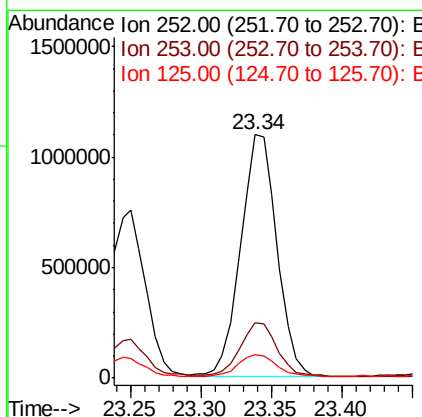
Manual Integrations
APPROVED

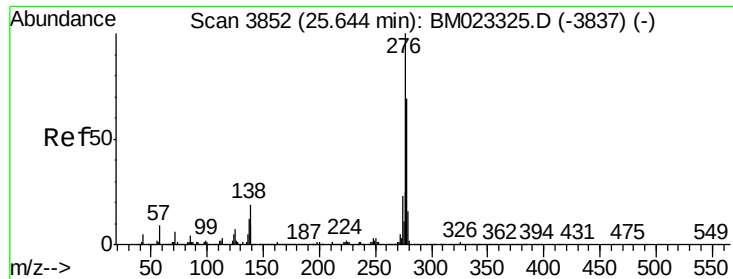
mohammad
10/24/2019 8:08:56 AM



#91
Benzo(a)pyrene
Concen: 13.397 ng/ul
RT: 23.34 min Scan# 3460
Delta R.T. 0.00 min
Lab File: BM023331.D
Acq: 22 Oct 2019 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.5	7.1	10.7





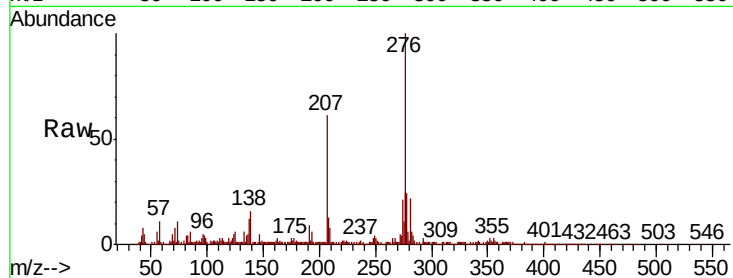
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.586 ng/ul
 RT: 25.64 min Scan# 3852
 Delta R.T. 0.00 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Instrument :
 BNA_M
 ClientSampleId :
 BFB89

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	15.8	23.6
277	24.7	19.8	29.8

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:08:56 AM

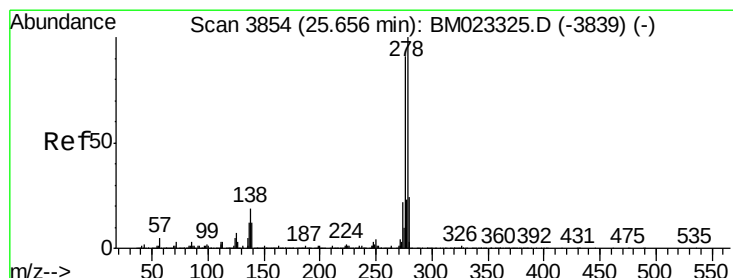
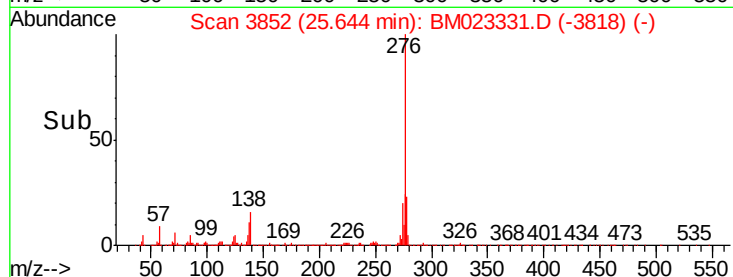
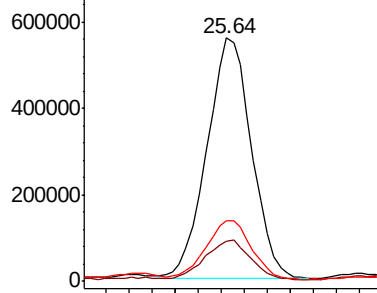


Abundance

Ion 276.00 (275.70 to 276.70): E

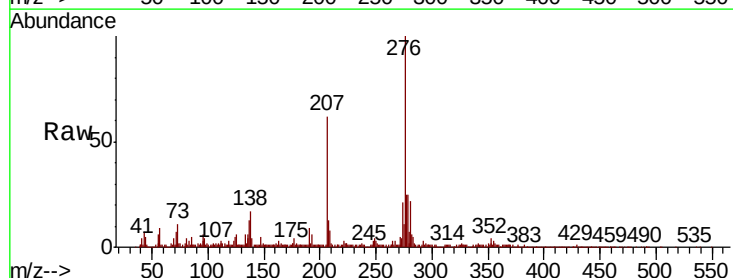
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93
 Dibenzo(a,h)anthracene
 Concen: 2.924 ng/ul
 RT: 25.65 min Scan# 3853
 Delta R.T. -0.01 min
 Lab File: BM023331.D
 Acq: 22 Oct 2019 22:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	10.5	15.7
279	27.0	19.7	29.5

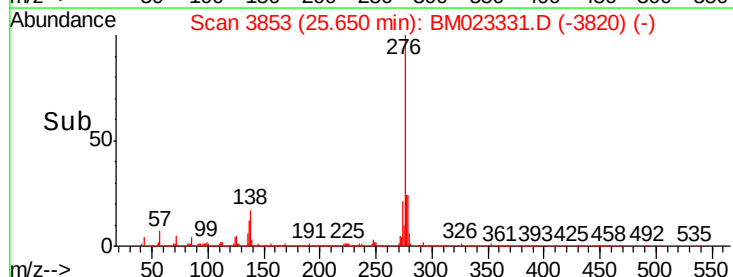
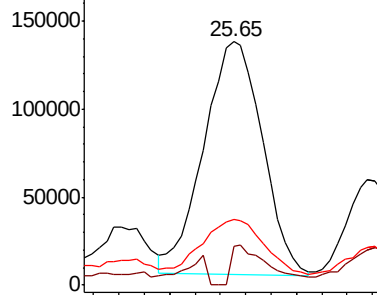


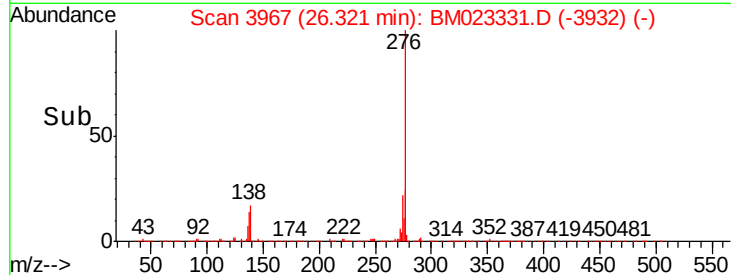
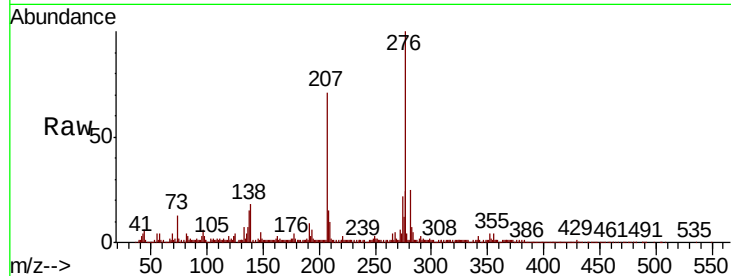
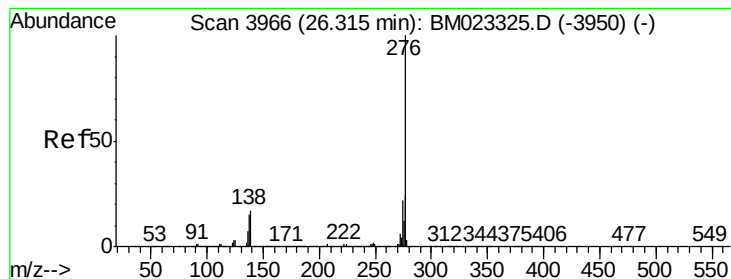
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 10.197 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.01 min

Lab File: BM023331.D

Acq: 22 Oct 2019 22:32

Instrument :

BNA_M

ClientSampleId :

BFB89

Tot Ion: 276 Resp: 1461625

Ion Ratio Lower Upper

276 100

138 17.6 13.9 20.9

277 24.3 18.7 28.1

Manual Integrations

APPROVED

mohammad

10/24/2019 8:08:56 AM

