

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023333.D
 Acq On : 22 Oct 2019 23:43
 Operator : JU
 Sample : K5354-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB91

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:09:04 AM

Quant Time: Oct 23 04:04:52 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	375125	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1508479	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	949284	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1956405	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2025510	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2471327	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	28333	3.32	ng/uL	0.00
5) Phenol-d5	6.82	99	549031	16.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	307171	16.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	446835	17.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	420455	16.02	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	209875	20.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	232931	23.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	454044	18.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	306228	10.19	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1409667	19.38	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1639026	19.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	182926	15.53	ng/ul	0.00
58) Fluorene-d10	15.29	176	1219580	19.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	134518	17.34	ng/ul	0.00
71) Anthracene-d10	17.14	188	1961304	20.79	ng/ul	0.00
79) Pyrene-d10	19.43	212	2214378	22.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	2701902	21.57	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.85	94	58786	1.745 ng/ul	98
28) Naphthalene	10.47	128	171855	2.204 ng/ul	99
45) Dimethylphthalate	13.76	163	578094	7.939 ng/ul	99
48) Acenaphthylene	14.01	152	154972	1.776 ng/ul	98
70) Phenanthrene	17.08	178	411495	3.748 ng/ul	99
72) Anthracene	17.17	178	171807	1.514 ng/ul	99
77) Fluoranthene	19.10	202	930445	7.126 ng/ul	99
80) Pyrene	19.46	202	863535	6.805 ng/ul	98
83) Benzo(a)anthracene	21.22	228	805320m	5.868 ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.17	149	136950	1.952 ng/ul	97
85) Chrysene	21.27	228	794666	6.236 ng/ul	95
88) Benzo(b)fluoranthene	22.78	252	1310629	8.747 ng/ul#	97
89) Benzo(k)fluoranthene	22.82	252	380358m	2.644 ng/ul	
91) Benzo(a)pyrene	23.34	252	942631	6.557 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.64	276	749502	4.383 ng/ul	98
93) Dibenzo(a,h)anthracene	25.65	278	210915	1.475 ng/ul#	86
94) Benzo(g,h,i)perylene	26.31	276	728053	5.171 ng/ul	98

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

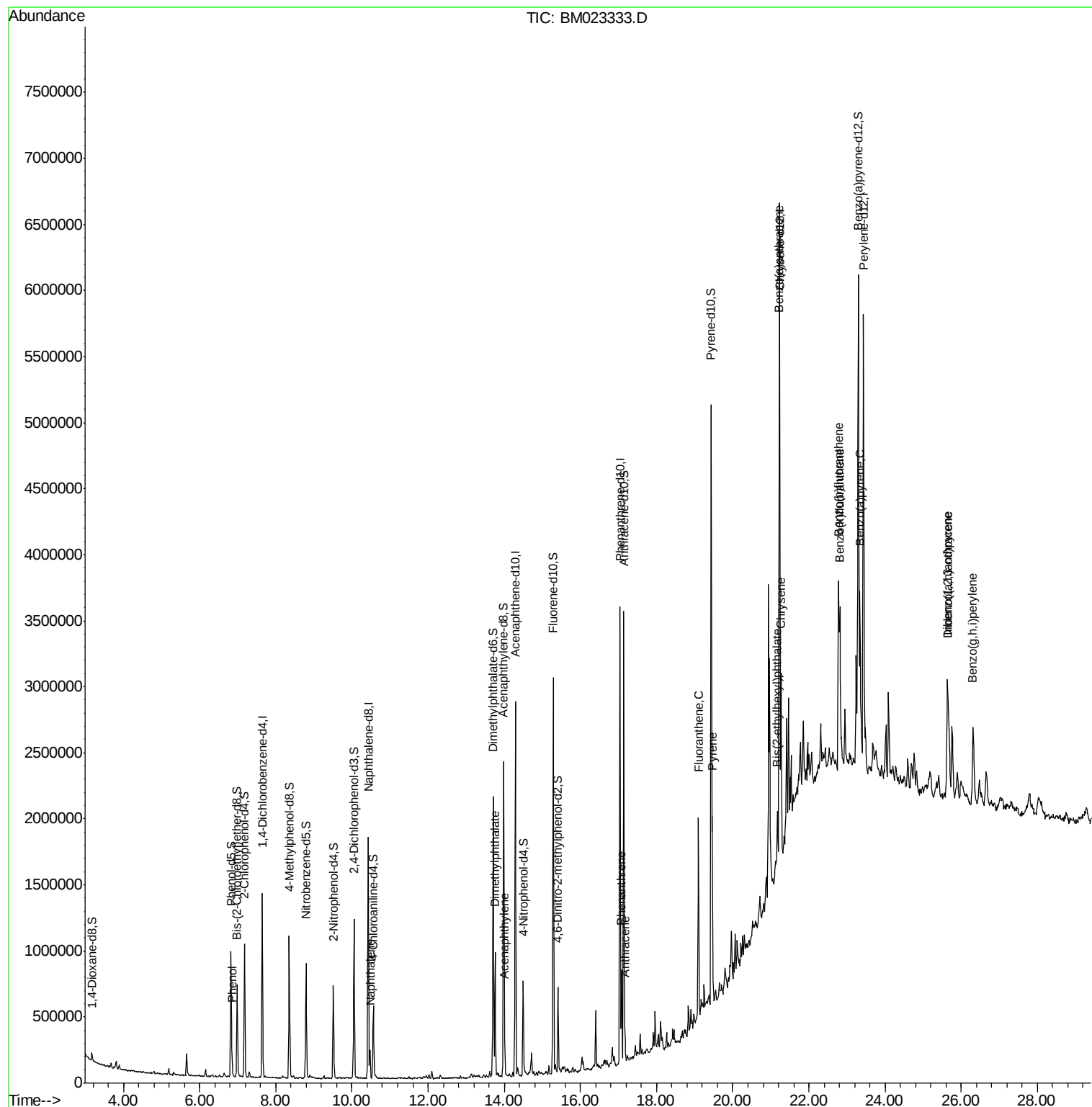
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023333.D
Acq On : 22 Oct 2019 23:43
Operator : JU
Sample : K5354-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

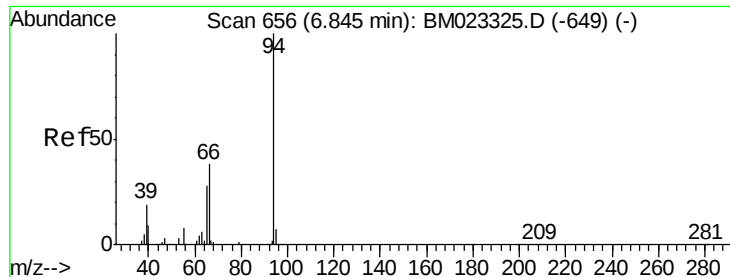
Instrument :
BNA_M
ClientSampleId :
BFB91

Quant Time: Oct 23 04:04:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
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#6

Phenol

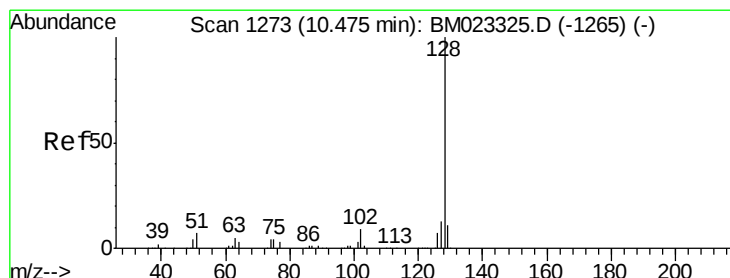
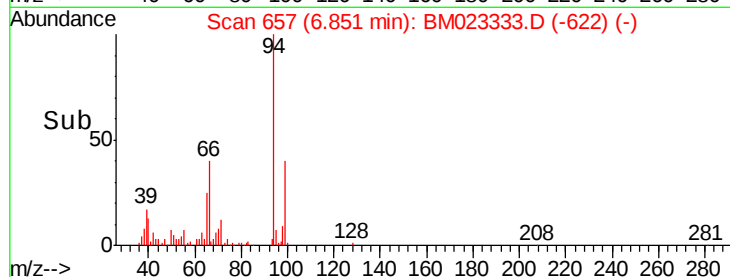
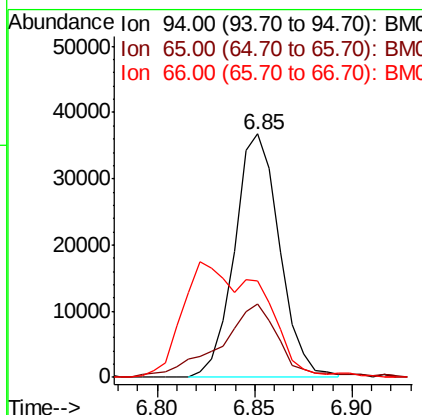
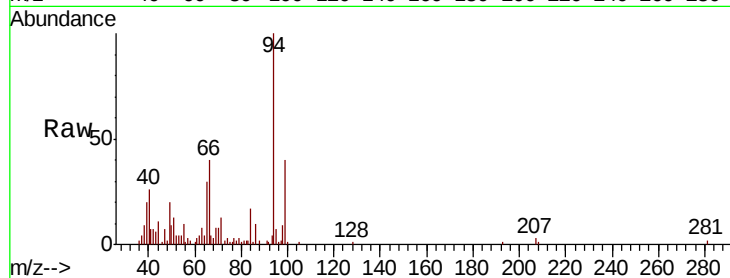
Concen: 1.745 ng/ul
 RT: 6.85 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

Instrument :
 BNA_M
 ClientSampleId :
 BFB91

Tot Ion	Ratio	Lower	Upper
94	100		
65	30.1	23.2	34.8
66	39.7	32.9	49.3

Manual Integrations
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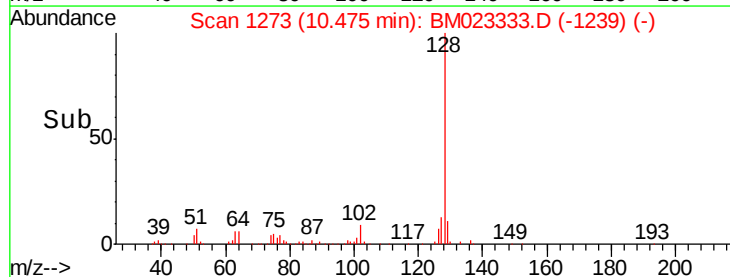
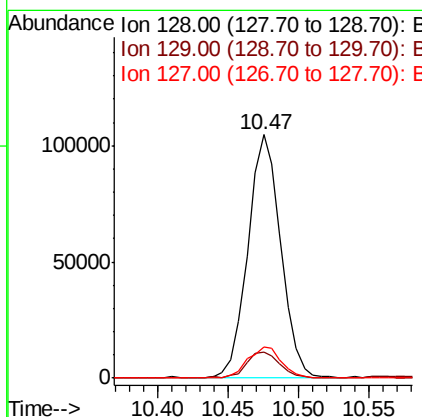
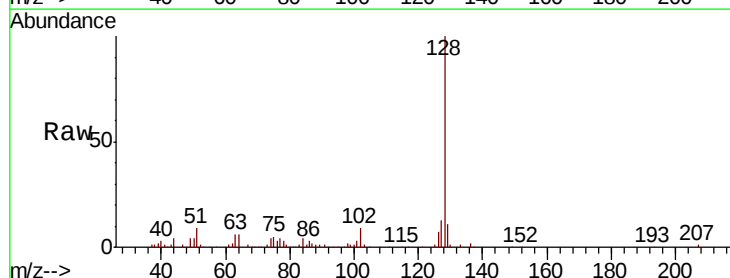


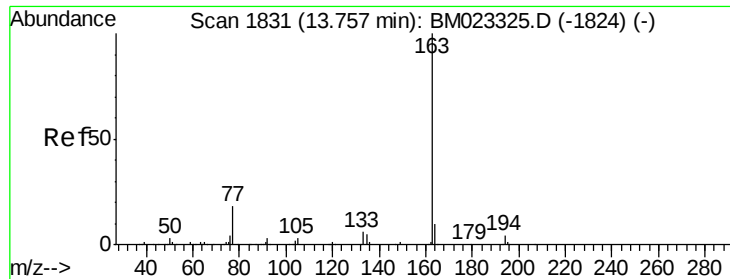
#28

Naphthalene

Concen: 2.204 ng/ul
 RT: 10.47 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BM023333.D
 Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.9	10.2	15.4





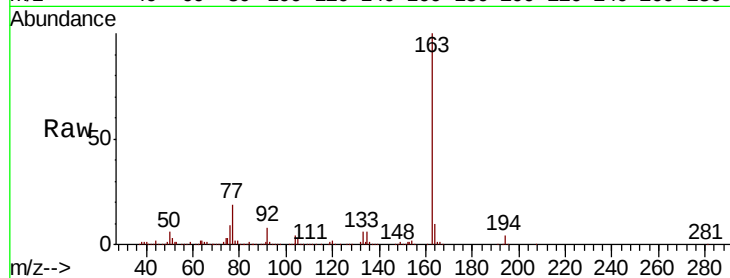
#45
Dimethylphthalate
Concen: 7.939 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampled :
BFB91

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	7.8	11.6

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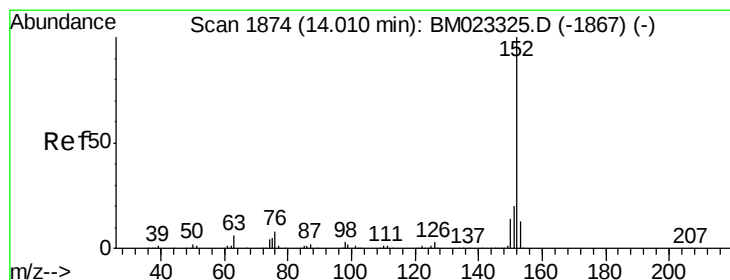
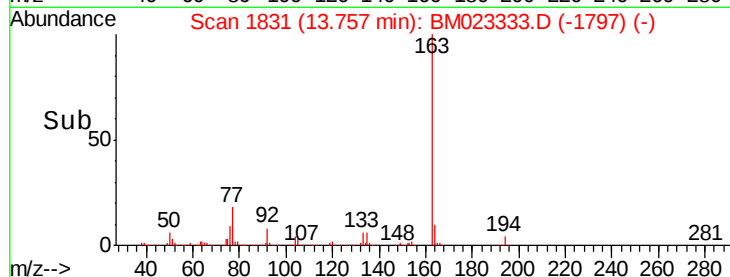
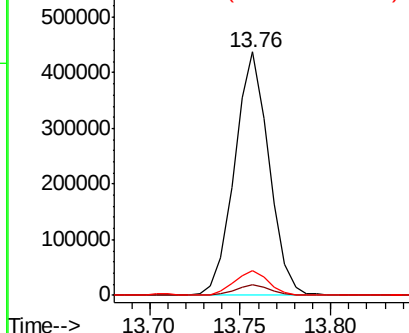


Abundance

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: 1.776 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

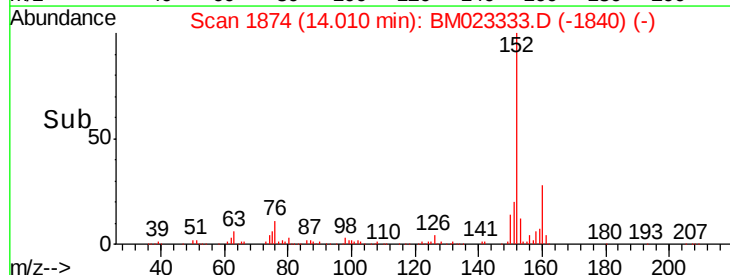
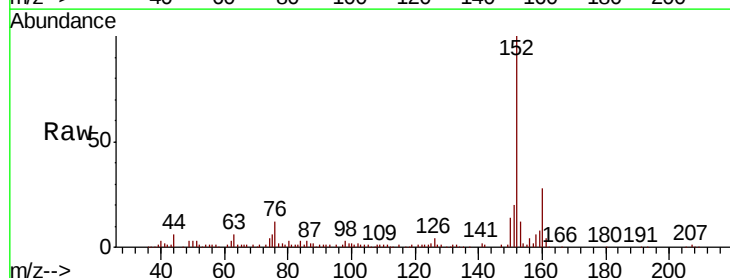
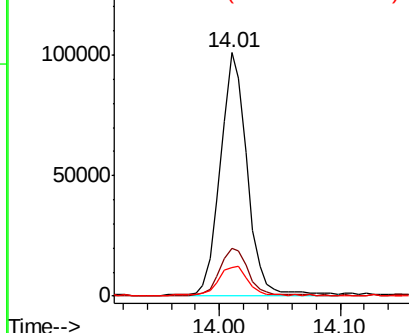
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	11.8	10.3	15.5

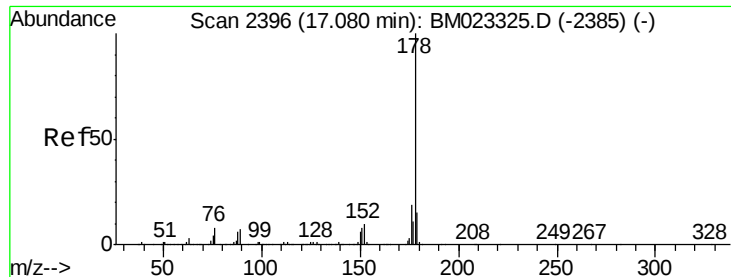
Abundance

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





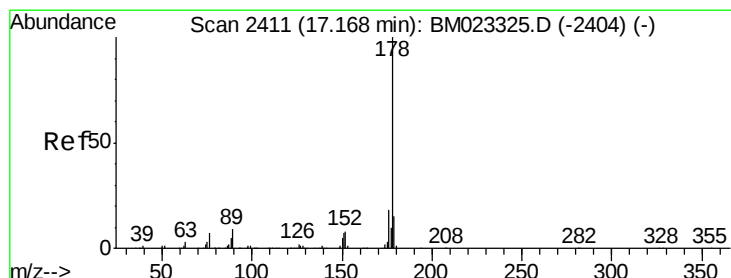
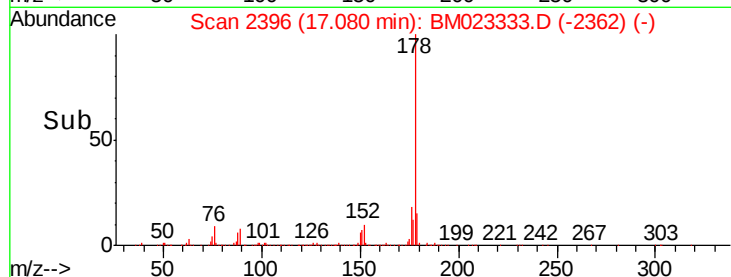
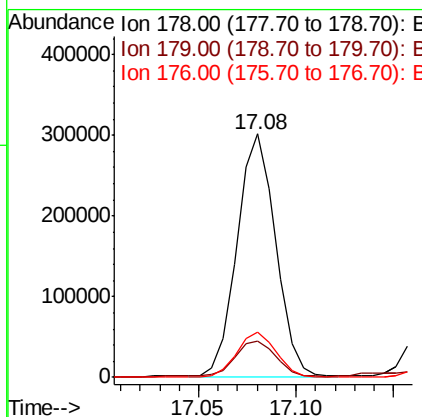
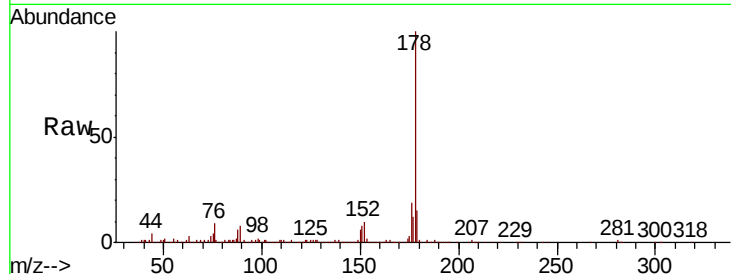
#70
Phenanthrene
Concen: 3.748 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampleId :
BFB91

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.5	15.0	22.4

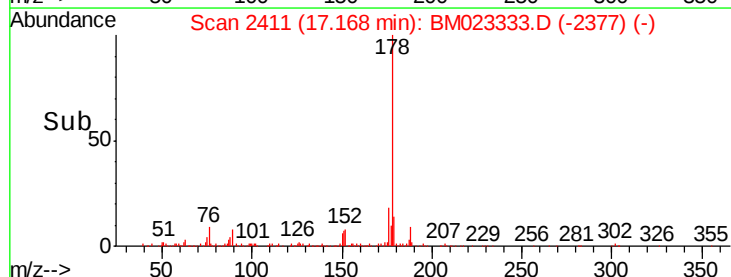
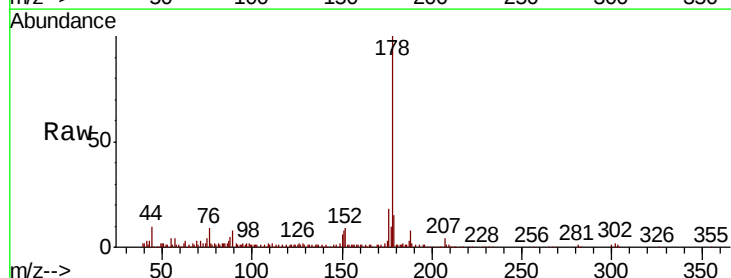
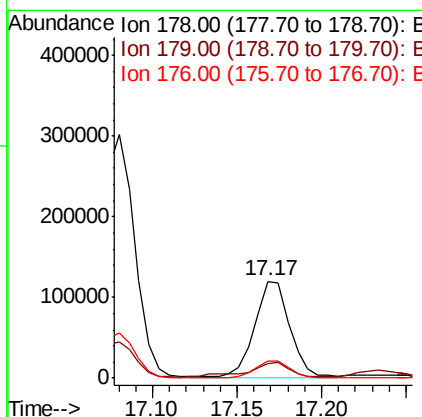
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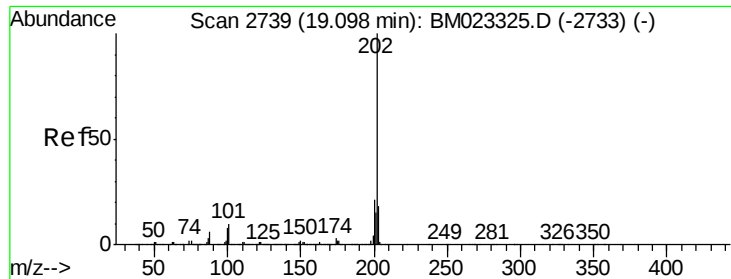
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#72
Anthracene
Concen: 1.514 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.5	18.7
176	17.8	14.8	22.2





#77

Fluoranthene

Concen: 7.126 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

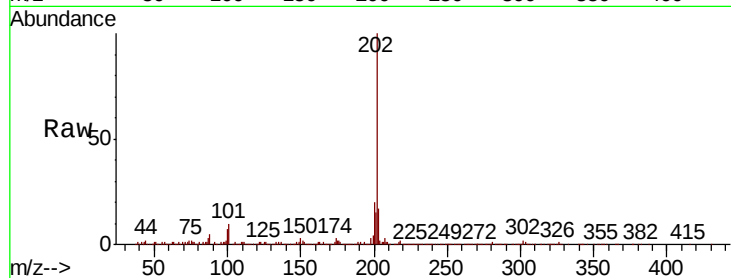
ClientSampleId :

BFB91

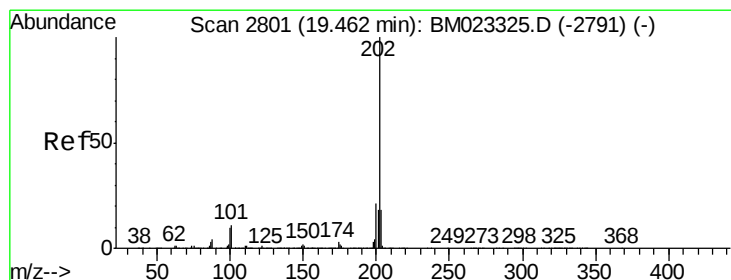
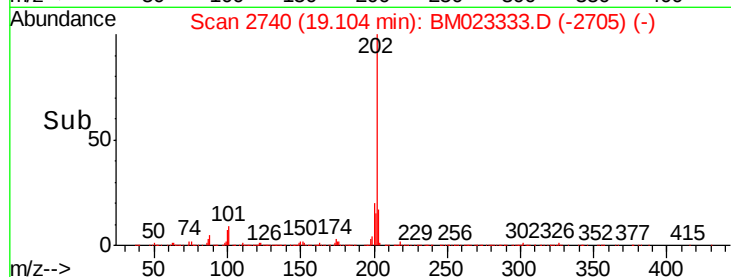
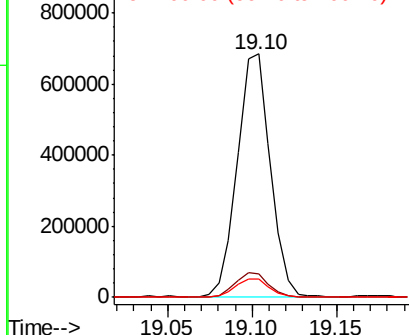
Tot Ion:	202	Resp:	930445
Ion Ratio	Lower	Upper	
202	100		
101	9.7	8.2	12.4
100	7.3	6.1	9.1

Manual Integrations
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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

Pyrene

Concen: 6.805 ng/ul

RT: 19.46 min Scan# 2801

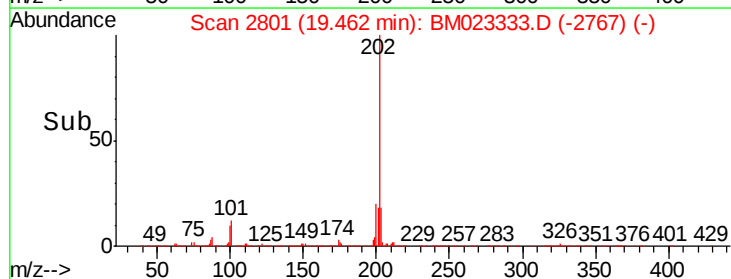
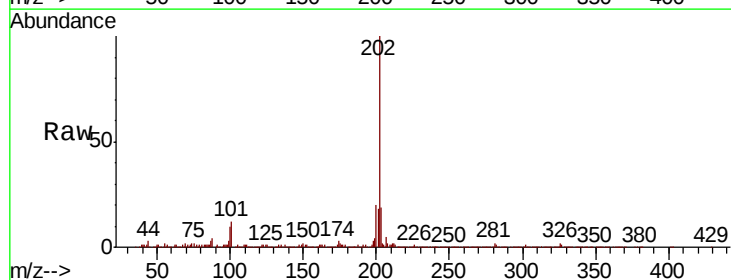
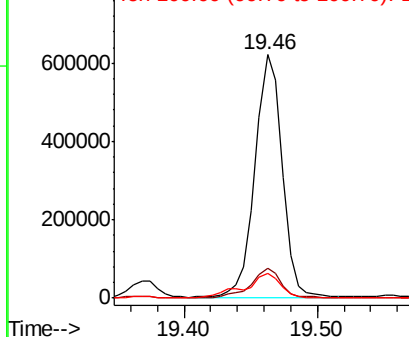
Delta R.T. 0.00 min

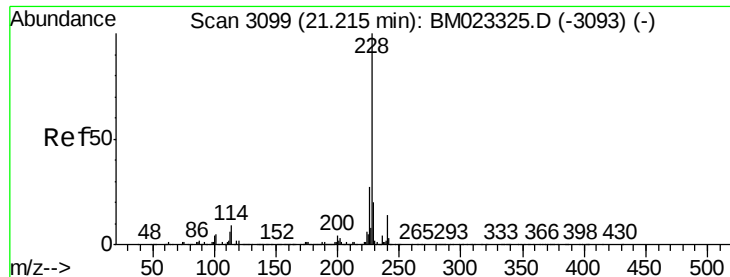
Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Tgt Ion:	202	Resp:	863535
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.0	13.6
100	10.1	7.5	11.3

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





#83

Benzo(a)anthracene

Concen: 5.868 ng/ul m

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

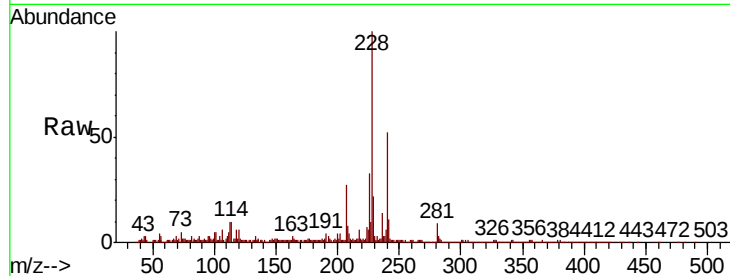
ClientSampleId :

BFB91

Tot Ion:	228	Resp:	805320
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.8	23.8
226	33.2	21.5	32.3#

Manual Integrations
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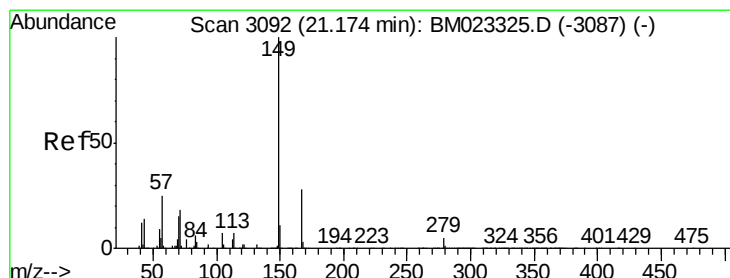
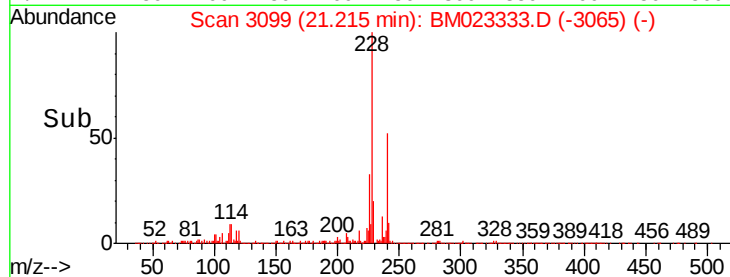
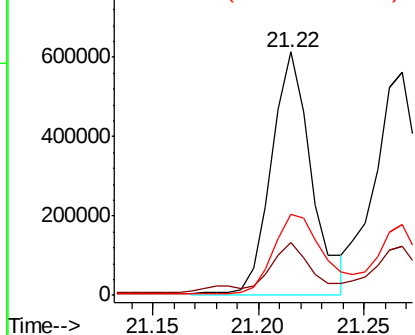


Abundance

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: 1.952 ng/ul

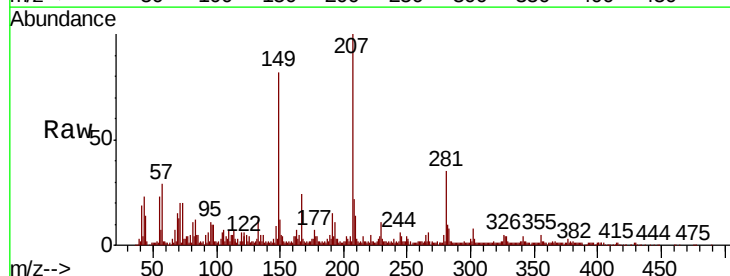
RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Tgt Ion:	149	Resp:	136950
Ion Ratio	Lower	Upper	
149	100		
167	29.7	22.1	33.1
279	5.5	4.3	6.5

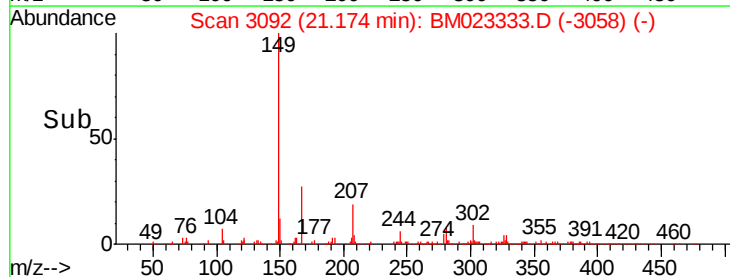
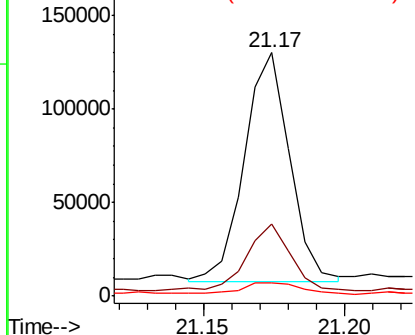


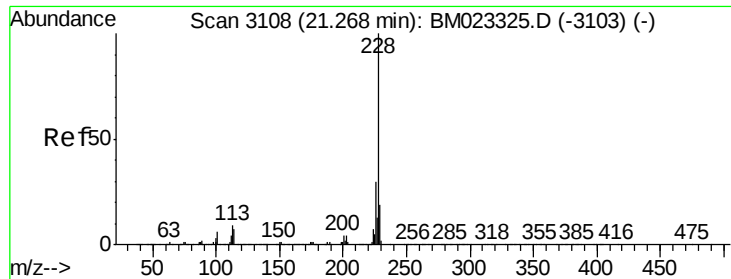
Abundance

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





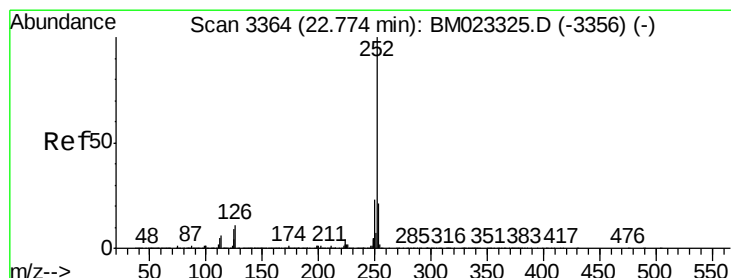
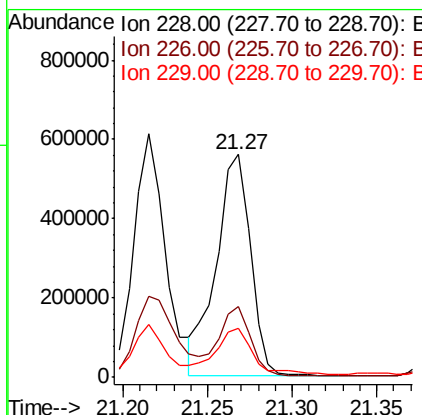
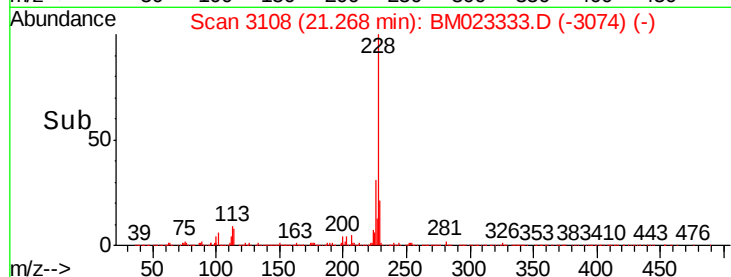
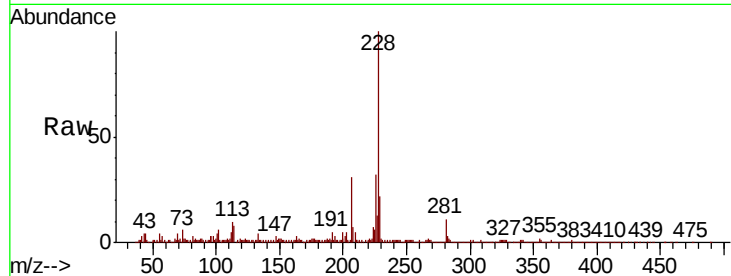
#85
Chrysene
Concen: 6.236 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampleId :
BFB91

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.0
229	22.0	15.5	23.3

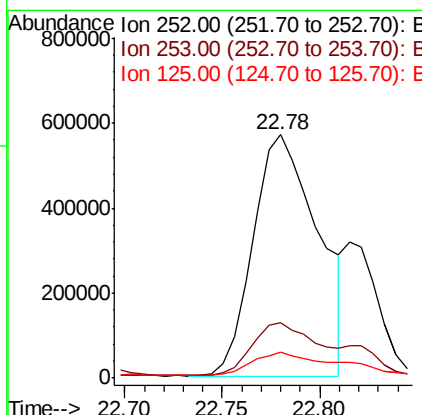
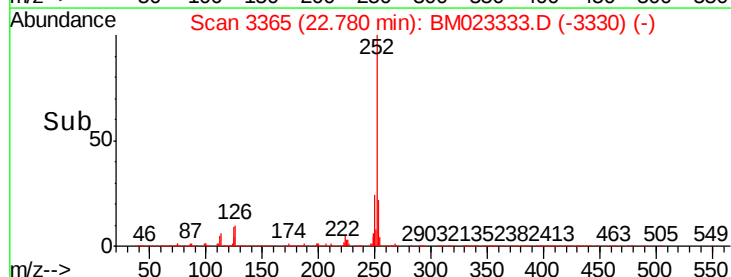
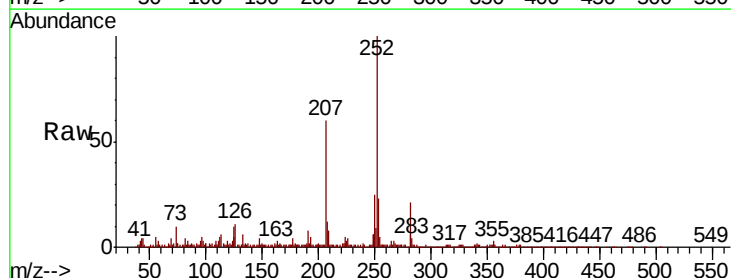
Manual Integrations
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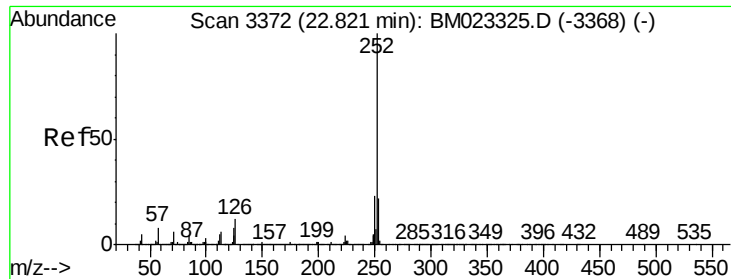
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#88
Benzo(b)fluoranthene
Concen: 8.747 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	10.5	7.0	10.4#





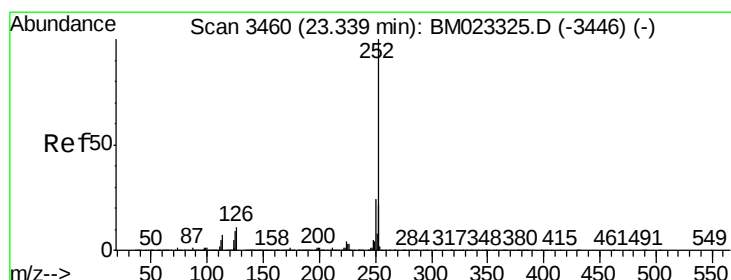
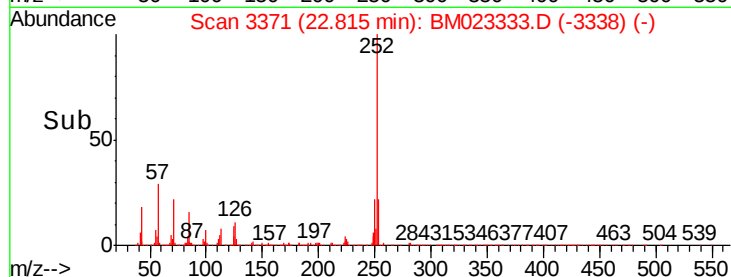
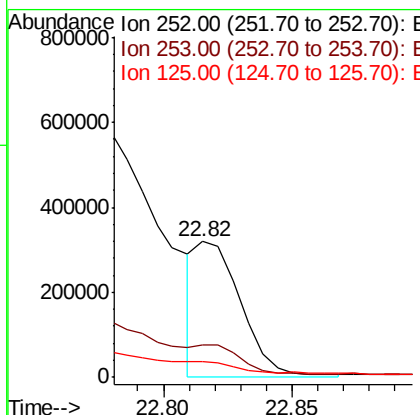
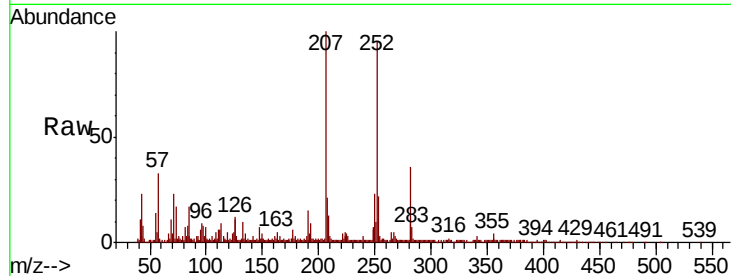
#89
Benzo(k)fluoranthene
Concen: 2.644 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. -0.01 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampleId :
BFB91

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.6	6.6	9.8

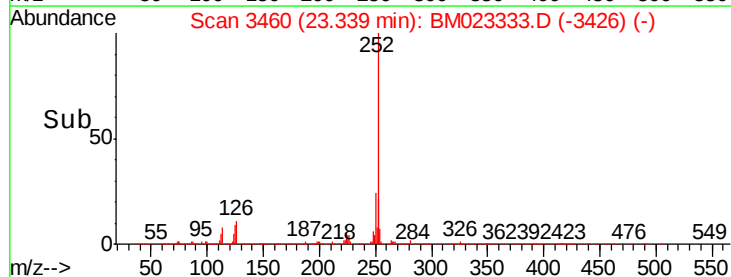
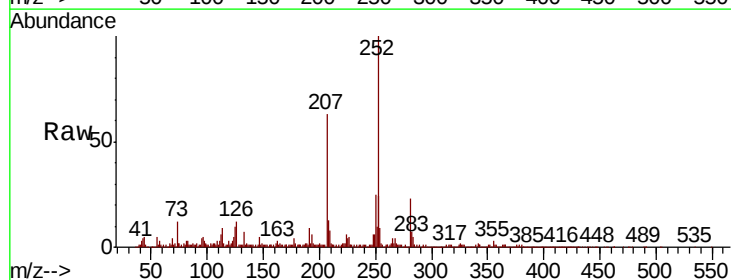
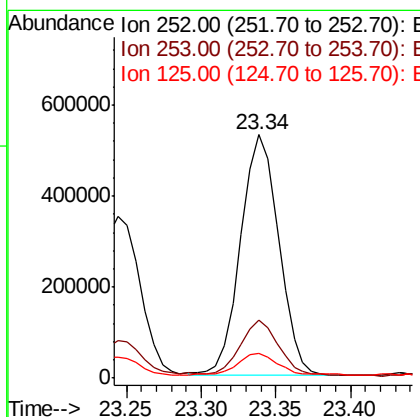
Manual Integrations
APPROVED

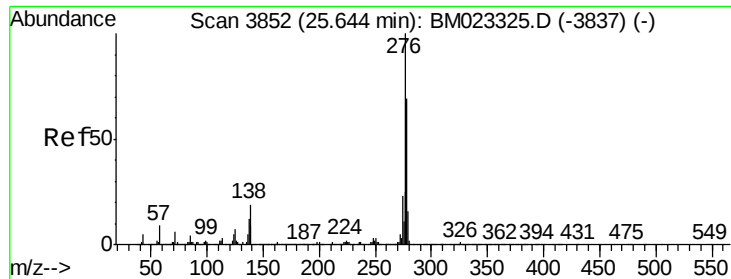
mohammad
10/24/2019 8:09:04 AM



#91
Benzo(a)pyrene
Concen: 6.557 ng/ul
RT: 23.34 min Scan# 3460
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.0	25.6
125	10.1	7.1	10.7





#92

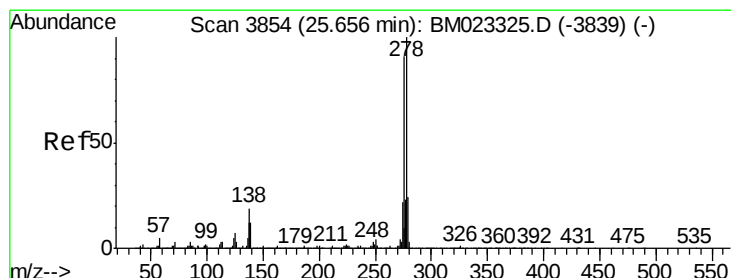
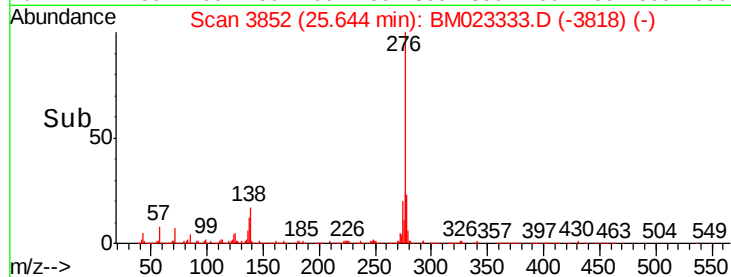
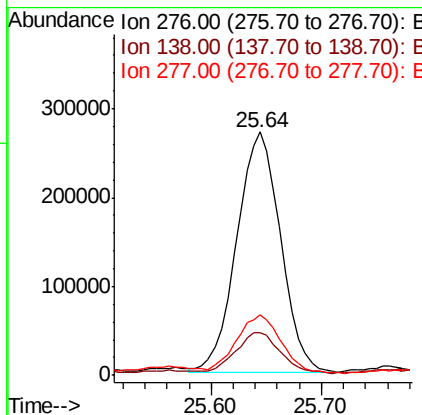
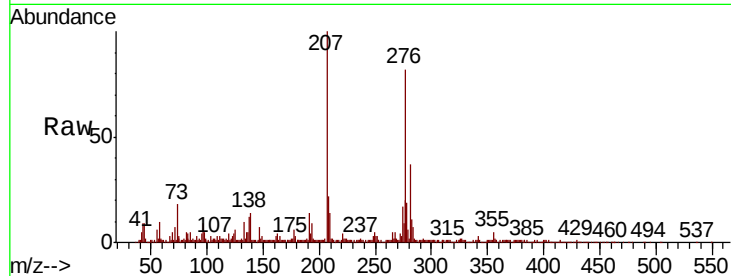
Indeno(1,2,3-cd)pyrene
Concen: 4.383 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. 0.00 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Instrument :
BNA_M
ClientSampleId :
BFB91

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.4	15.8	23.6
277	25.0	19.8	29.8

Manual Integrations
APPROVED

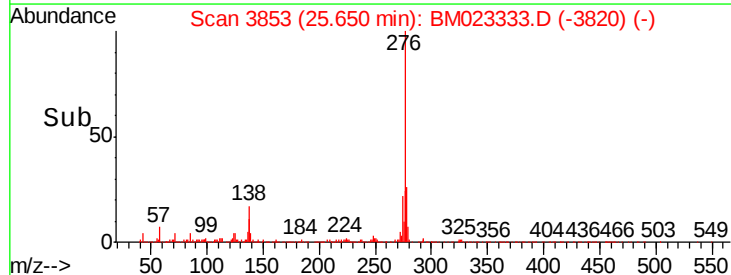
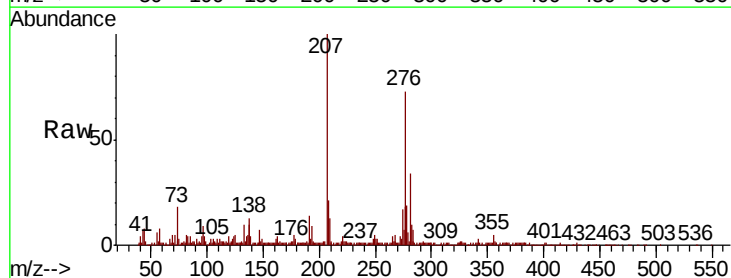
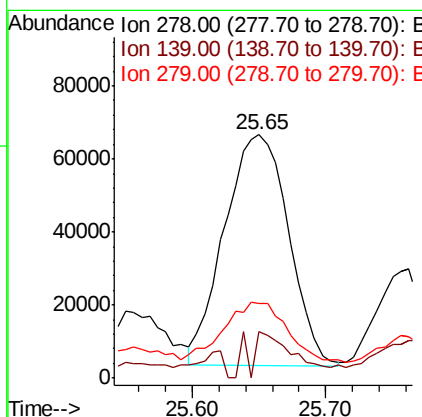
mohammad
10/24/2019 8:09:04 AM

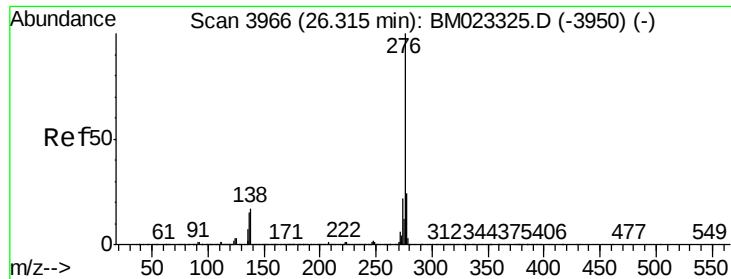


#93

Dibenzo(a,h)anthracene
Concen: 1.475 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. -0.01 min
Lab File: BM023333.D
Acq: 22 Oct 2019 23:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	10.5	15.7#
279	30.9	19.7	29.5#





#94

Benzo(a,h,i)perylene

Concen: 5.171 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. 0.00 min

Lab File: BM023333.D

Acq: 22 Oct 2019 23:43

Instrument :

BNA_M

ClientSampleId :

BFB91

Tot Ion:	276	Resp:	728053
Ion Ratio	Lower	Upper	
276	100		
138	18.6	13.9	20.9
277	24.1	18.7	28.1

Manual Integrations
APPROVED

mohammad
10/24/2019 8:09:04 AM

