

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023327.D
 Acq On : 22 Oct 2019 20:08
 Operator : JU
 Sample : K5354-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB85

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:08:45 AM

Quant Time: Oct 23 02:03:44 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	397701	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	1563382	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	969596	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2081910	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2315150	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2820214m	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	33857	3.75	ng/uL	0.00
5) Phenol-d5	6.82	99	704225	20.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	393651	20.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	560153	21.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	562400	20.21	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	264990	25.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	290596	28.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	564666	22.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	114125	3.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1694720	22.81	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	2051661	23.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	268522	22.32	ng/ul	0.00
58) Fluorene-d10	15.29	176	1520972	24.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	157667	19.10	ng/ul	0.00
71) Anthracene-d10	17.13	188	2433031	24.24	ng/ul	0.00
79) Pyrene-d10	19.44	212	2716021	24.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	3436952	24.04	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.85	94	73514	2.058	ng/ul 97
28) Naphthalene	10.47	128	576660	7.136	ng/ul 99
34) 2-Methylnaphthalene	12.09	142	230147	3.827	ng/ul 100
41) 1,1'-Biphenyl	13.12	154	107764	1.461	ng/ul 96
45) Dimethylphthalate	13.76	163	780294	10.492	ng/ul 99
48) Acenaphthylene	14.01	152	2535704	28.458	ng/ul 100
50) Acenaphthene	14.36	153	265883	4.285	ng/ul 98
54) Dibenzofuran	14.69	168	103568	1.176	ng/ul 90
59) Fluorene	15.34	166	311172m	4.306	ng/ul
70) Phenanthrene	17.08	178	3109545	26.614	ng/ul 98
72) Anthracene	17.17	178	1624446	13.454	ng/ul 99
77) Fluoranthene	19.10	202	6715592	48.329	ng/ul 99
80) Pyrene	19.47	202	9698732	66.872	ng/ul 99
83) Benzo(a)anthracene	21.22	228	7339137m	46.785	ng/ul
85) Chrysene	21.27	228	8043090	55.219	ng/ul 95
88) Benzo(b)fluoranthene	22.79	252	10457813	61.160	ng/ul 98
89) Benzo(k)fluoranthene	22.83	252	2872451m	17.495	ng/ul
91) Benzo(a)pyrene	23.36	252	8838418	53.876	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.67	276	6820677m	34.949	ng/ul
93) Dibenz(a,h)anthracene	25.67	278	2295135m	14.065	ng/ul
94) Benzo(a,h,i)perylene	26.36	276	6956221m	43.292	ng/ul

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

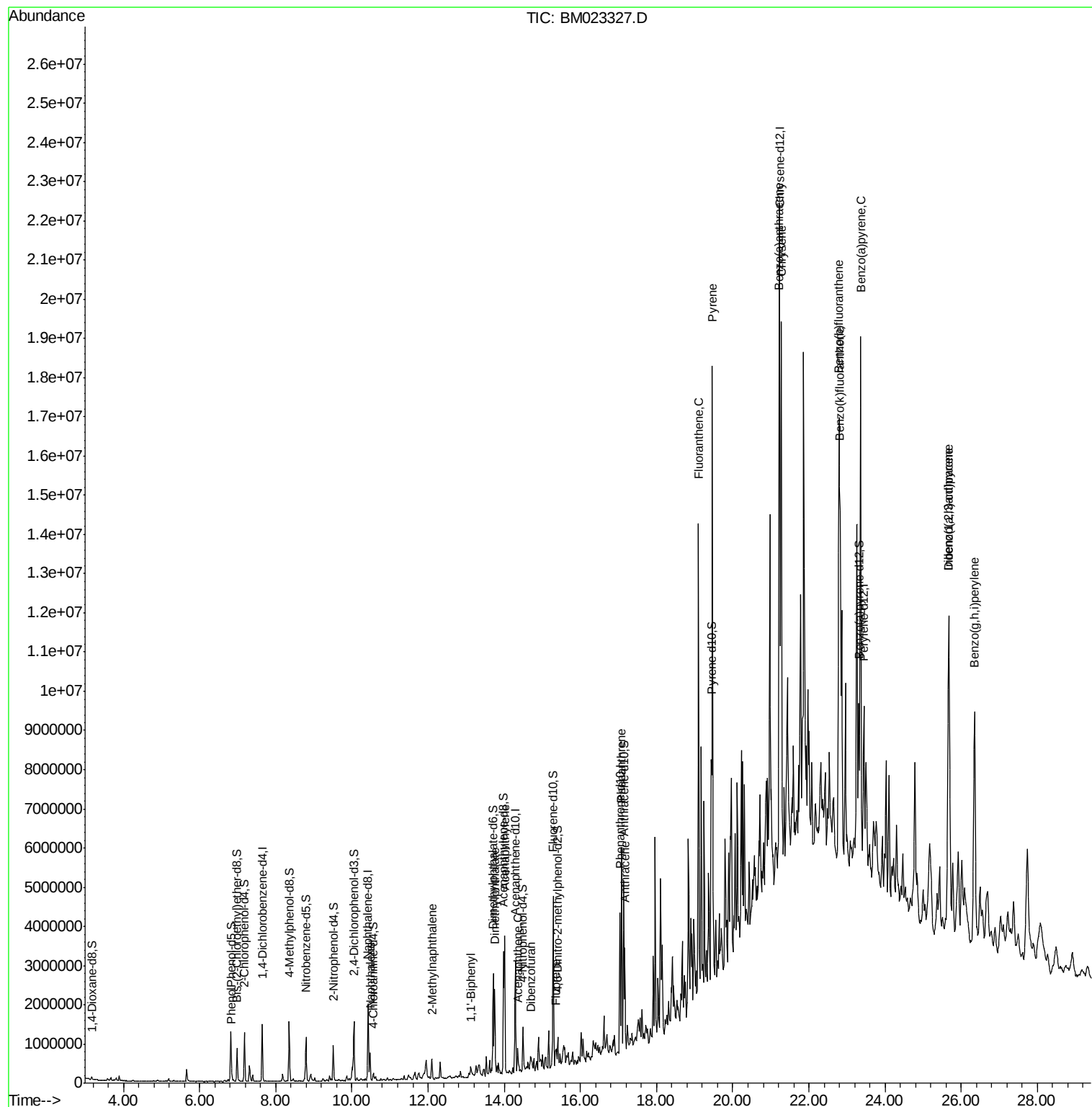
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023327.D
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ALS Vial : 9 Sample Multiplier: 1

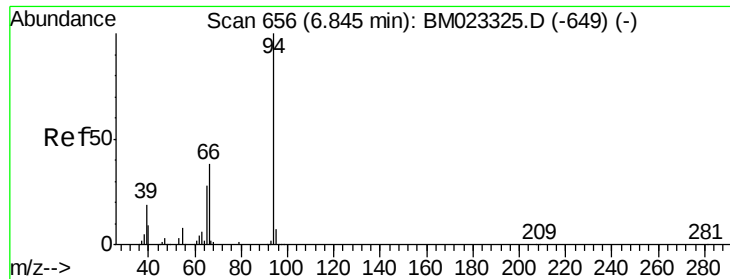
Instrument :
BNA_M
ClientSampleId :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration





#6

Phenol

Concen: 2.058 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

Instrument :

BNA_M

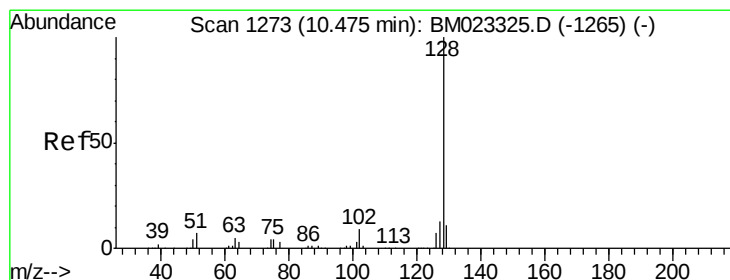
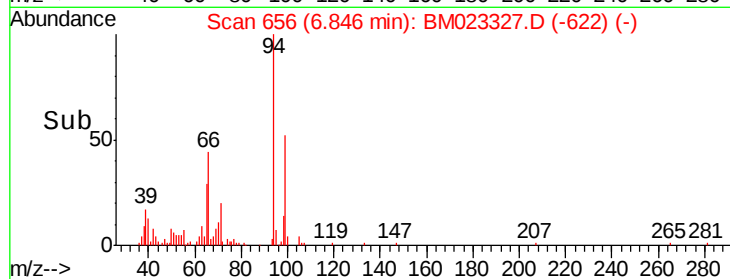
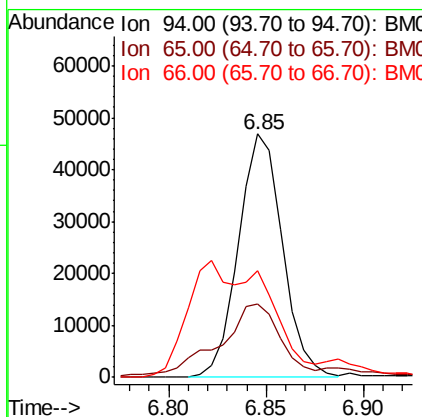
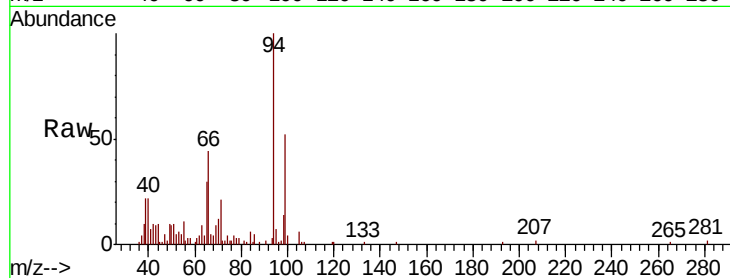
ClientSampleId :

BFB85

Tot Ion:	94	Resp:	73514
Ion	Ratio	Lower	Upper
94	100		
65	30.2	23.2	34.8
66	43.6	32.9	49.3

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#28

Naphthalene

Concen: 7.136 ng/ul

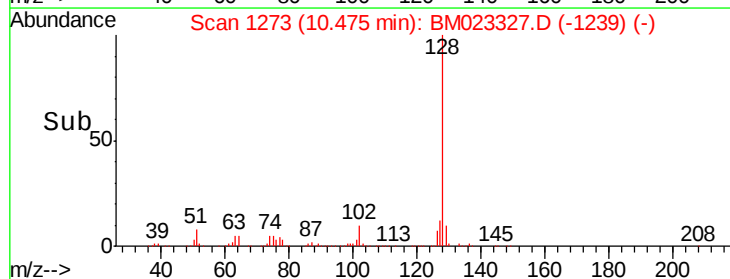
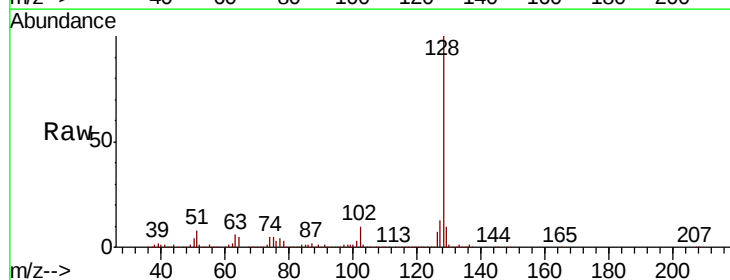
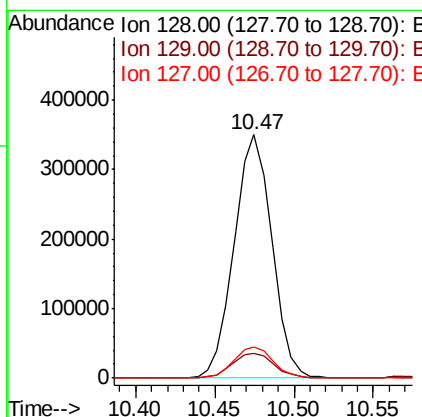
RT: 10.47 min Scan# 1273

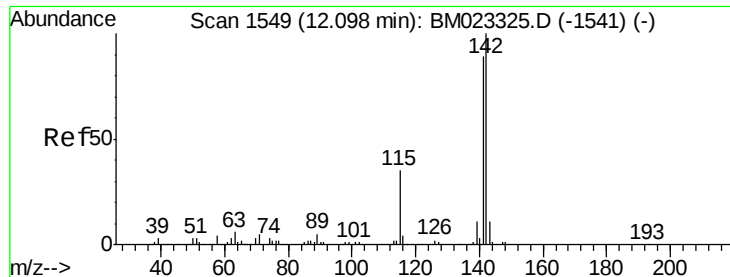
Delta R.T. 0.00 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

Tgt Ion:	128	Resp:	576660
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.6	10.2	15.4





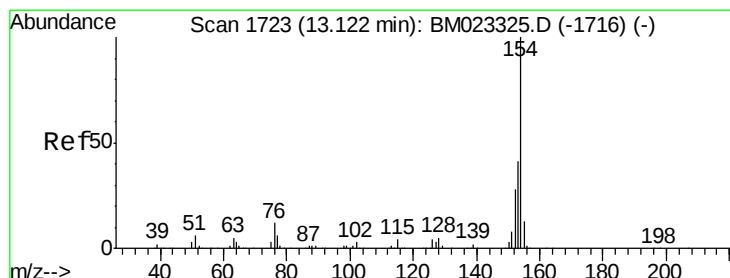
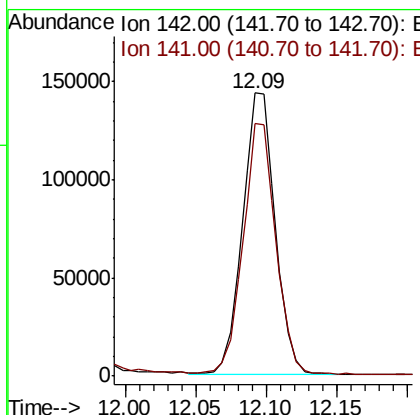
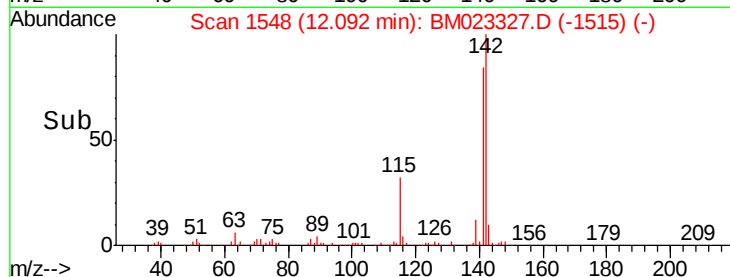
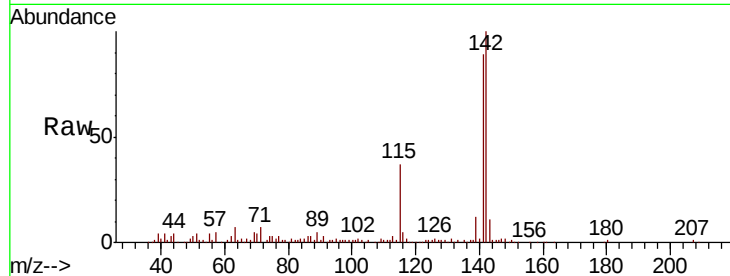
#34
2-Methylnaphthalene
Concen: 3.827 ng/ul
RT: 12.09 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Instrument :
BNA_M
ClientSampleId :
BFB85

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.0

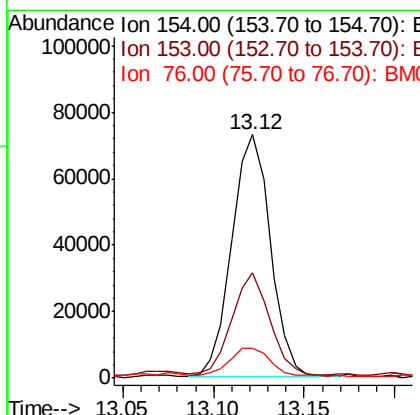
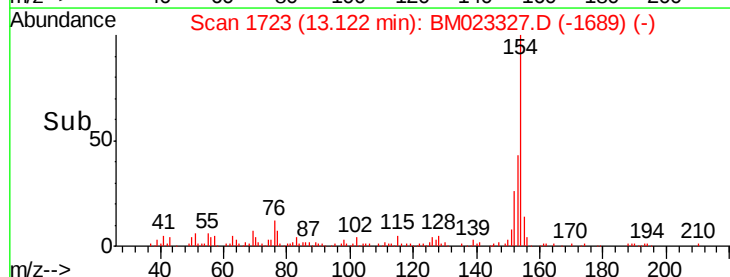
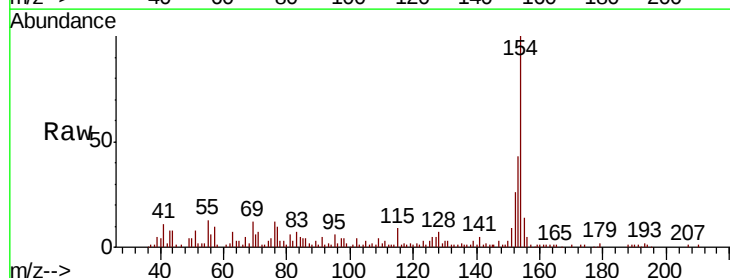
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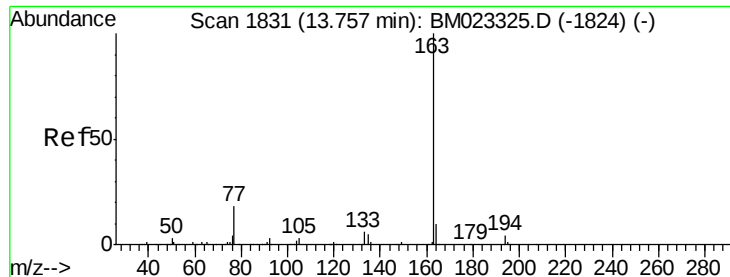
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#41
1,1'-Biphenyl
Concen: 1.461 ng/ul
RT: 13.12 min Scan# 1723
Delta R.T. 0.00 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.4	32.2	48.2
76	12.4	10.0	15.0





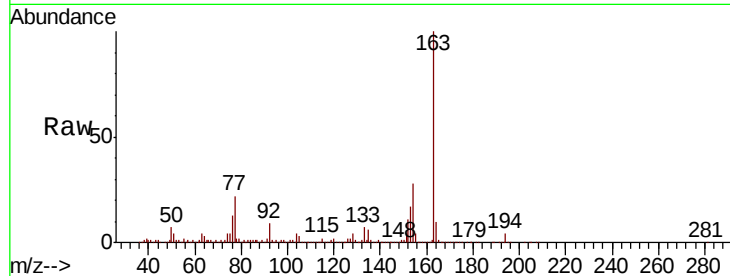
#45
Dimethylphthalate
Concen: 10.492 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Instrument :
BNA_M
ClientSampleId :
BFB85

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.3	7.8	11.6

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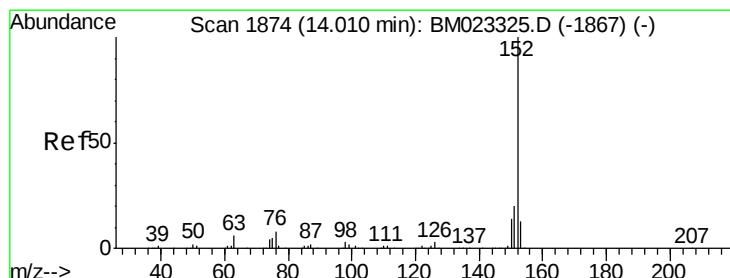
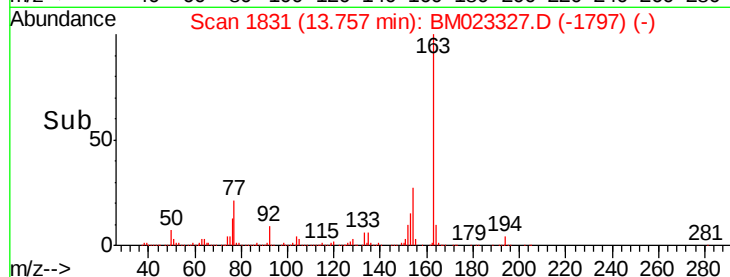
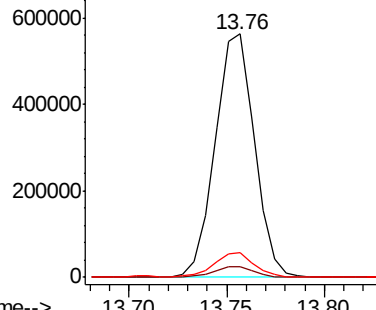


Abundance

Ion 163.00 (162.70 to 163.70): E

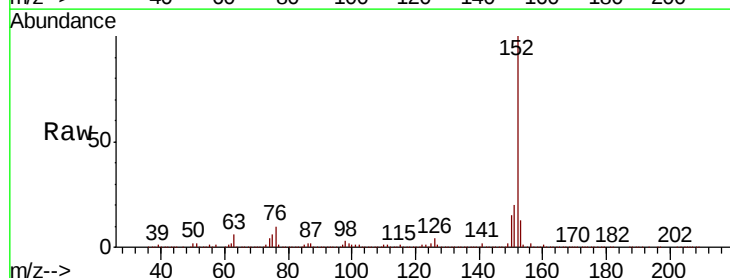
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 28.458 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.2	10.3	15.5

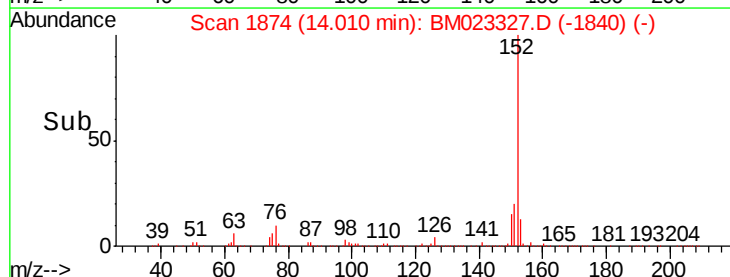
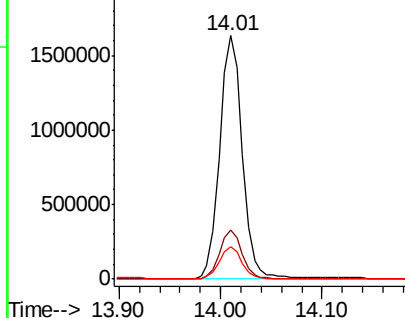


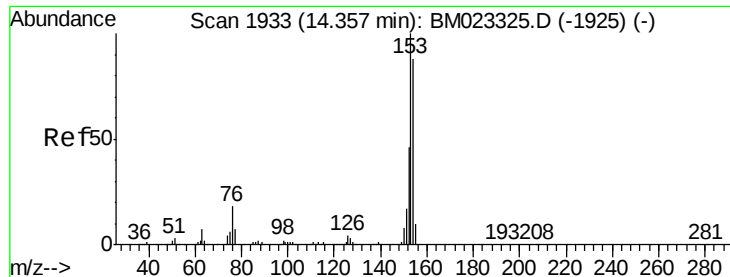
Abundance

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





#50

Acenaphthene

Concen: 4.285 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

Instrument :

BNA_M

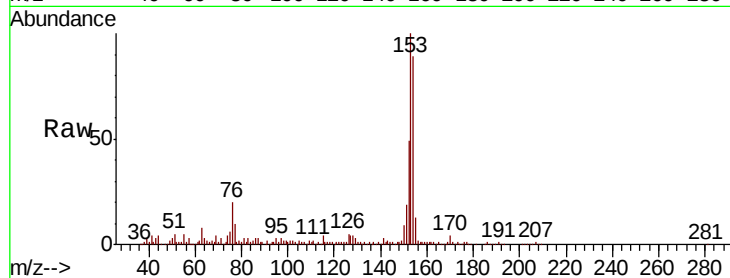
ClientSampleId :

BFB85

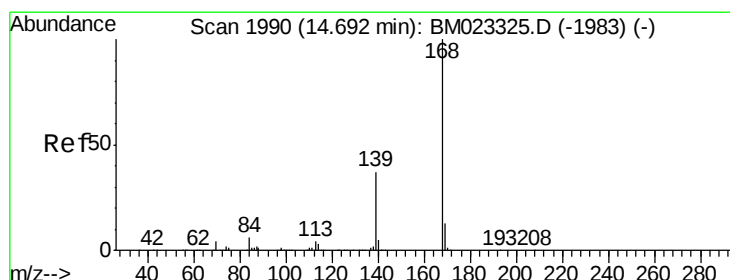
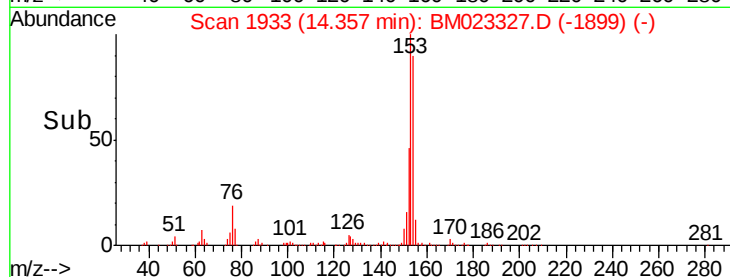
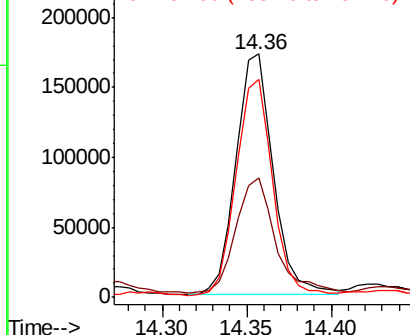
Tot Ion:	153	Resp:	265883
Ion Ratio	Lower	Upper	
153	100		
152	48.8	37.4	56.0
154	89.4	70.7	106.1

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.176 ng/ul

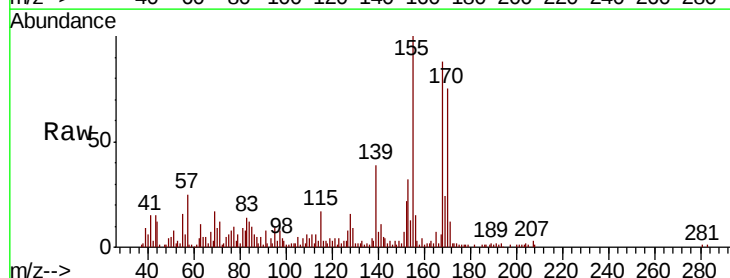
RT: 14.69 min Scan# 1990

Delta R.T. 0.00 min

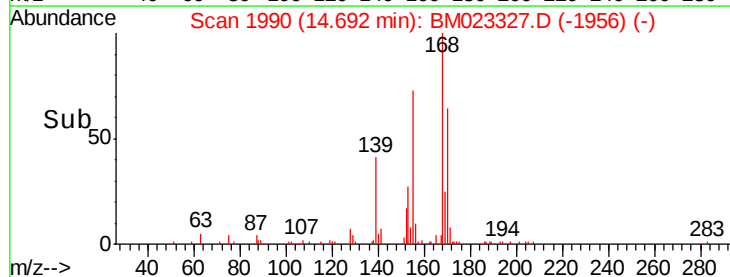
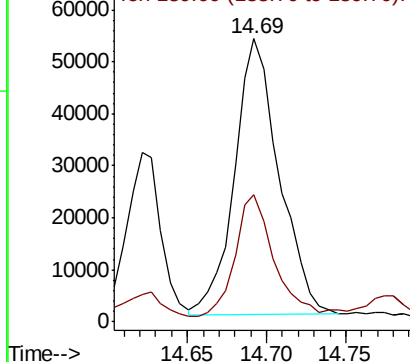
Lab File: BM023327.D

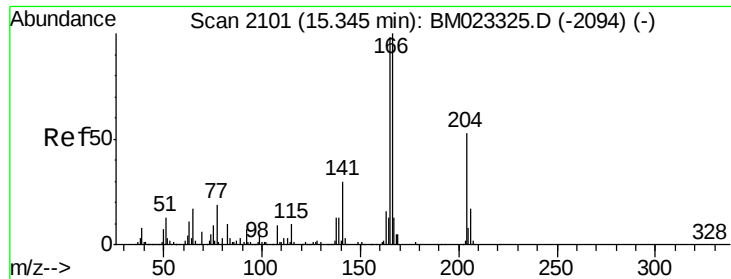
Acq: 22 Oct 2019 20:08

Tgt Ion:	168	Resp:	103568
Ion Ratio	Lower	Upper	
168	100		
139	44.9	31.0	46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





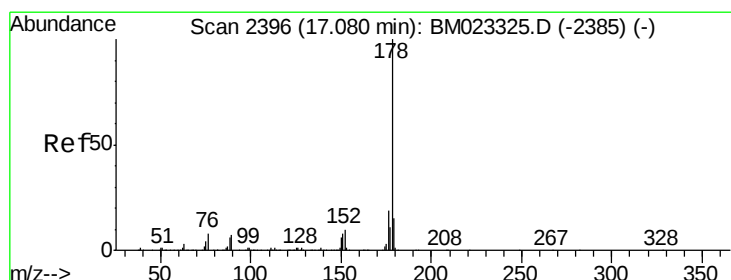
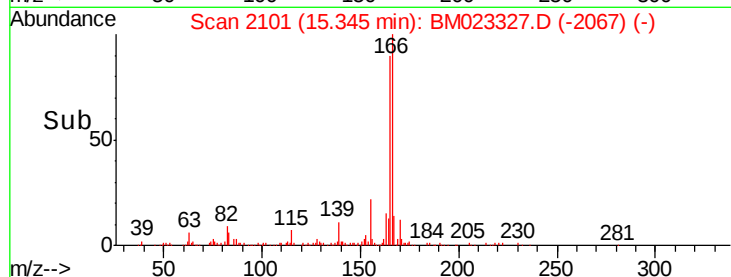
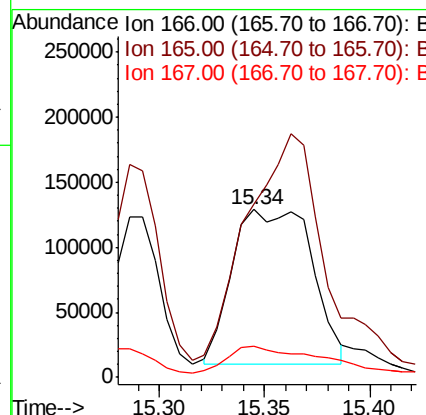
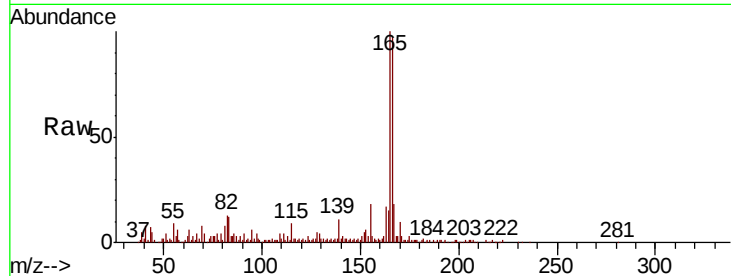
#59
Fluorene
Concen: 4.306 ng/ul m
RT: 15.34 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	103.6	78.3	117.5
167	18.9	10.7	16.1

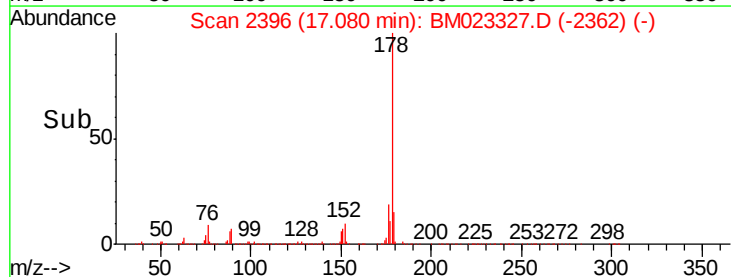
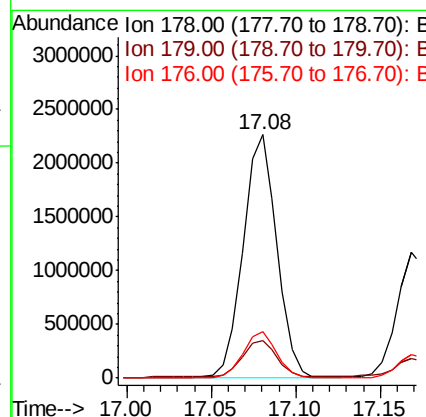
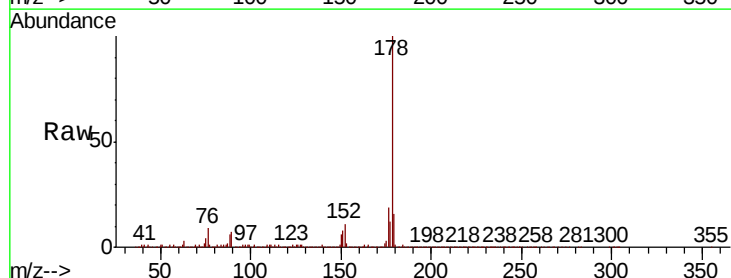
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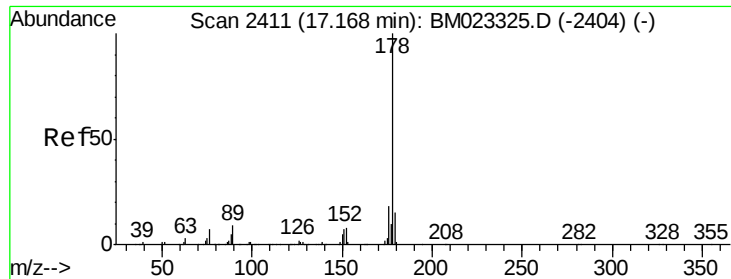
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#70
Phenanthrene
Concen: 26.614 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	19.1	15.0	22.4





#72

Anthracene

Concen: 13.454 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

BFB85

Tot Ion:178 Resp: 1624446

Ion Ratio Lower Upper

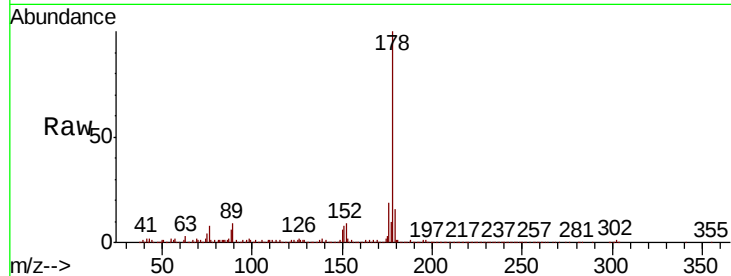
178 100

179 16.1 12.5 18.7

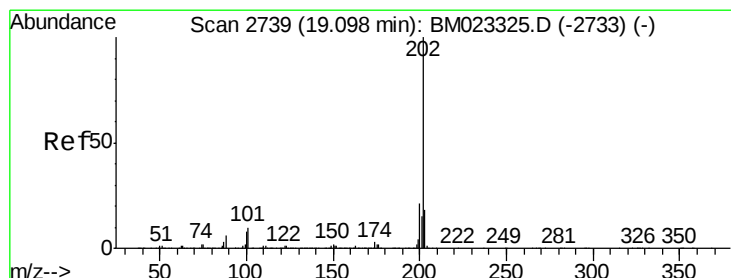
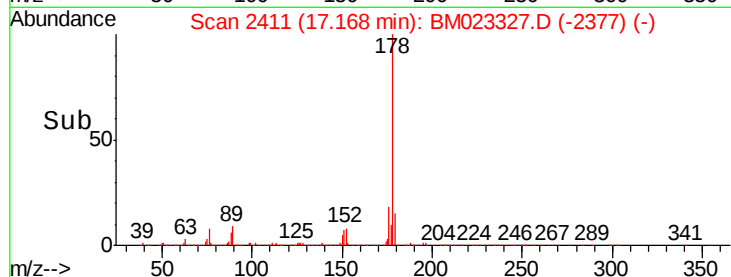
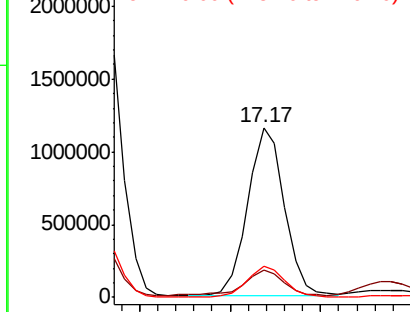
176 18.5 14.8 22.2

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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



#77

Fluoranthene

Concen: 48.329 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

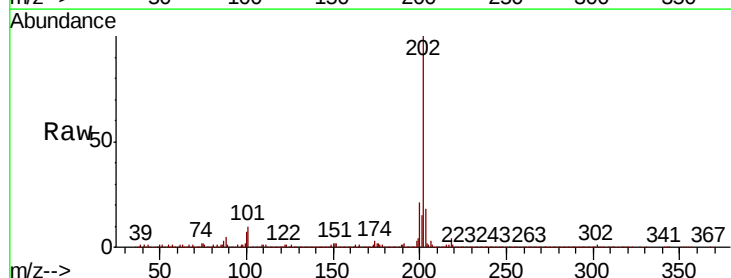
Tgt Ion:202 Resp: 6715592

Ion Ratio Lower Upper

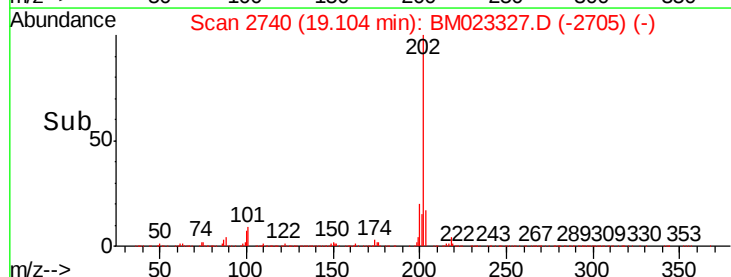
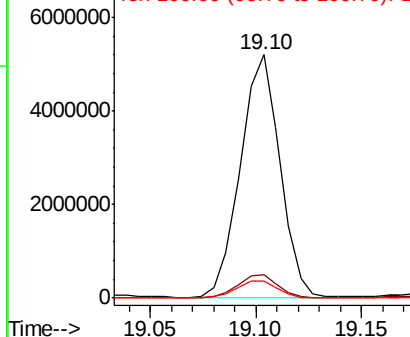
202 100

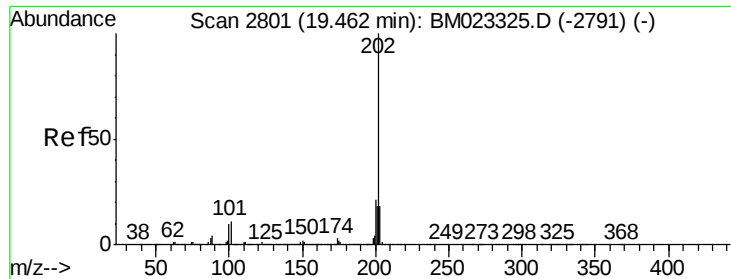
101 9.8 8.2 12.4

100 7.2 6.1 9.1



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): E





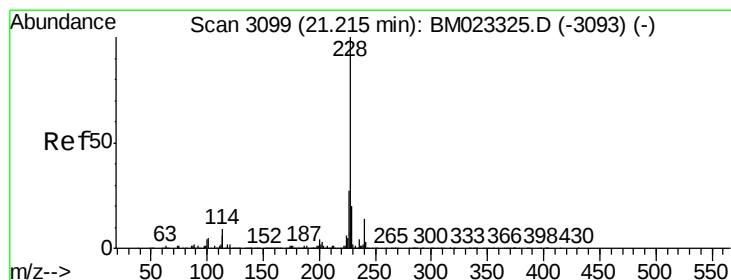
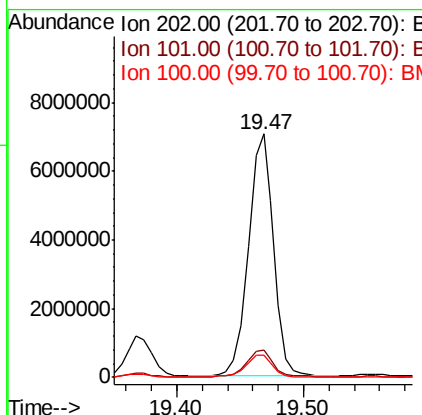
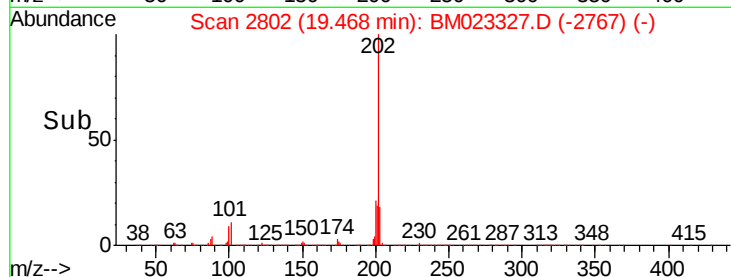
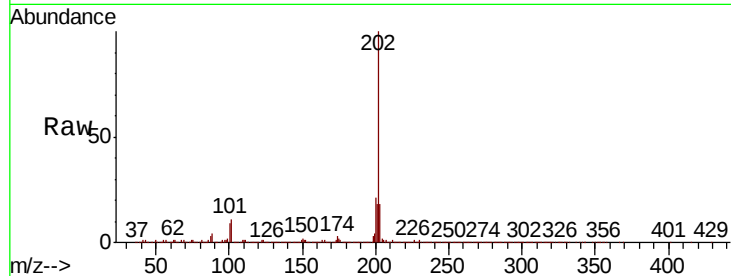
#80
Pvrene
Concen: 66.872 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. 0.01 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Instrument :
BNA_M
ClientSampleId :
BFB85

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.0	13.6
100	9.2	7.5	11.3

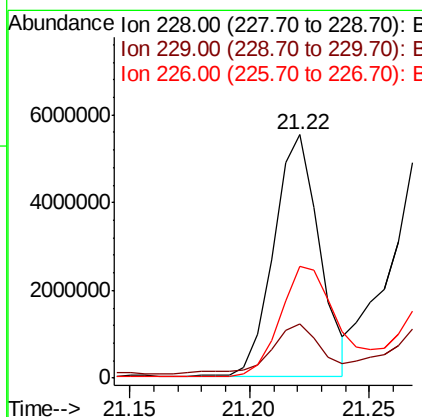
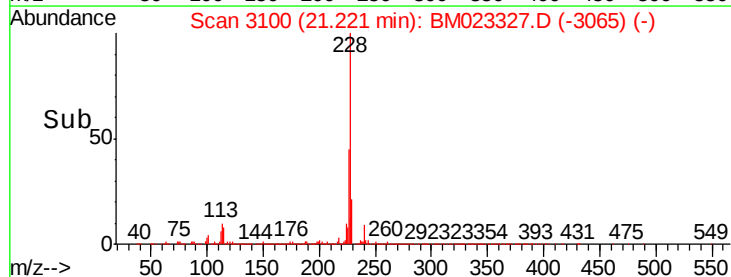
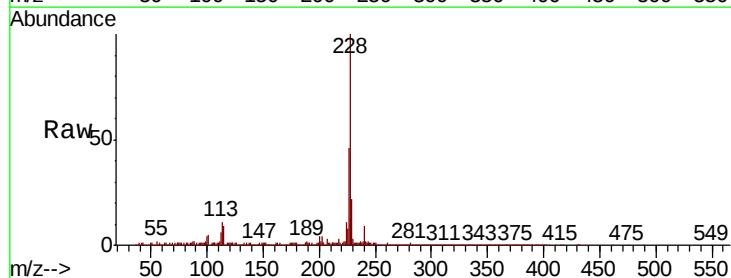
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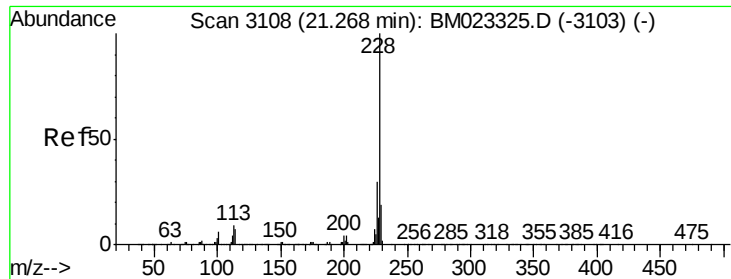
mohammad
10/24/2019 8:08:45 AM



#83
Benzo(a)anthracene
Concen: 46.785 ng/ul m
RT: 21.22 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.8
226	45.7	21.5	32.3#





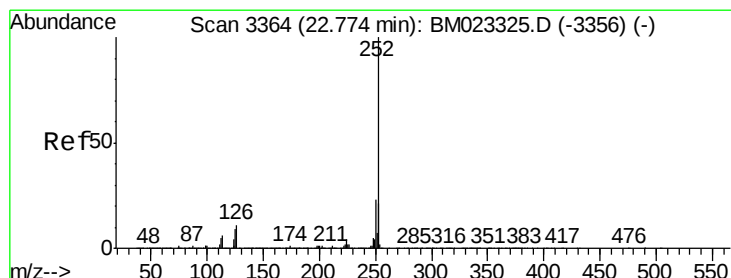
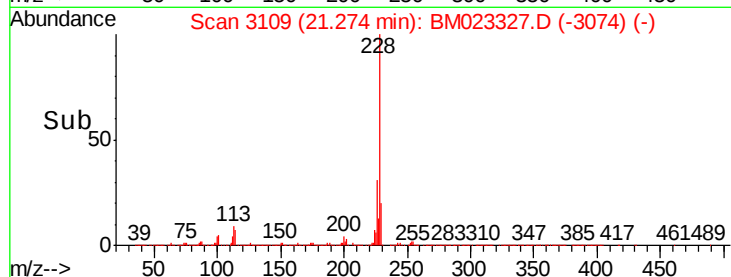
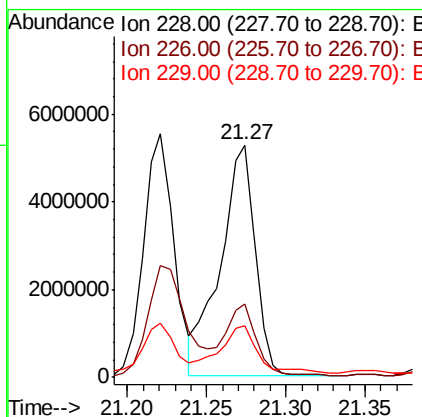
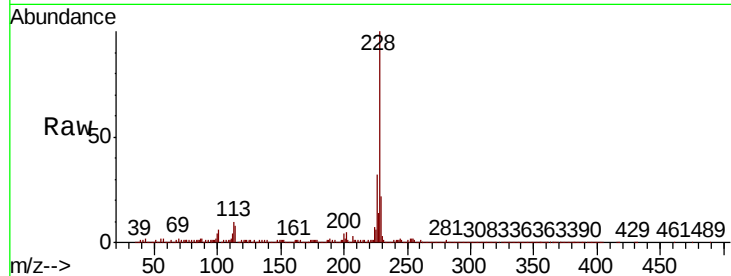
#85
 Chrysene
 Concen: 55.219 ng/u1
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.01 min
 Lab File: BM023327.D
 Acq: 22 Oct 2019 20:08

Instrument :
 BNA_M
 ClientSampleId :
 BFB85

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.5	23.4	35.0	
229	22.0	15.5	23.3	

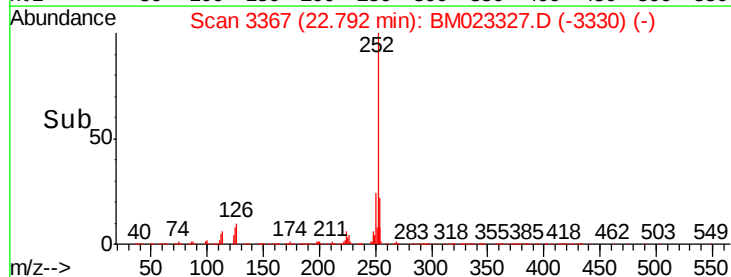
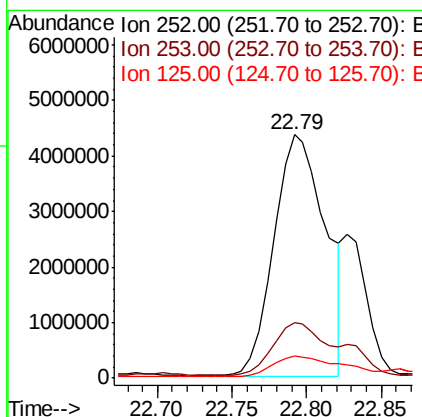
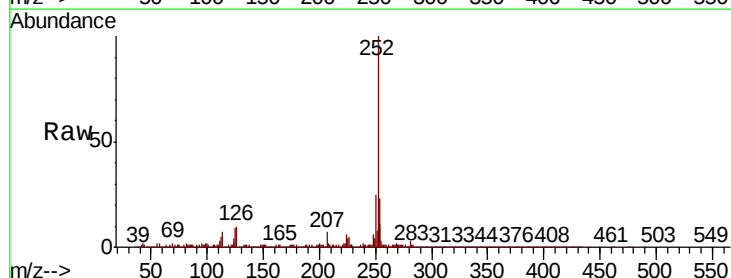
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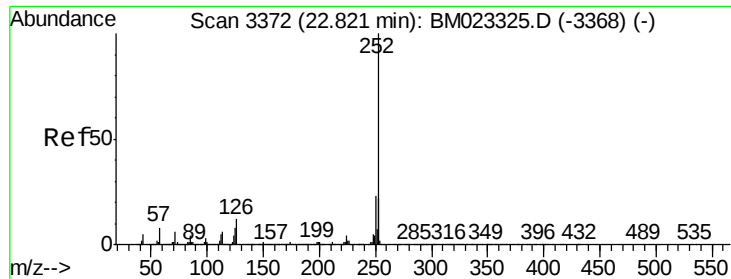
mohammad
 10/24/2019 8:08:45 AM



#88
 Benzo(b)fluoranthene
 Concen: 61.160 ng/u1
 RT: 22.79 min Scan# 3367
 Delta R.T. 0.02 min
 Lab File: BM023327.D
 Acq: 22 Oct 2019 20:08

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	22.8	17.3	25.9	
125	9.1	7.0	10.4	





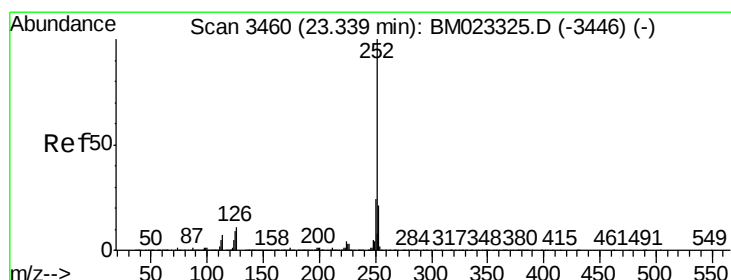
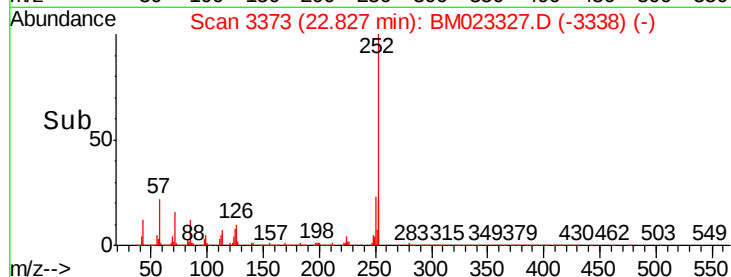
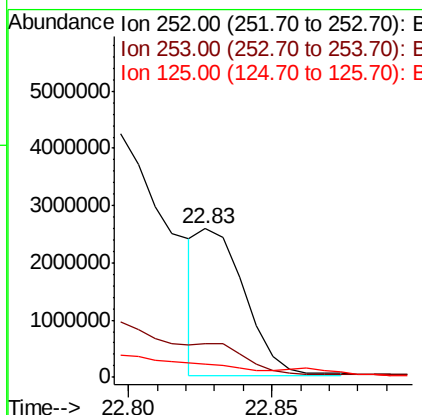
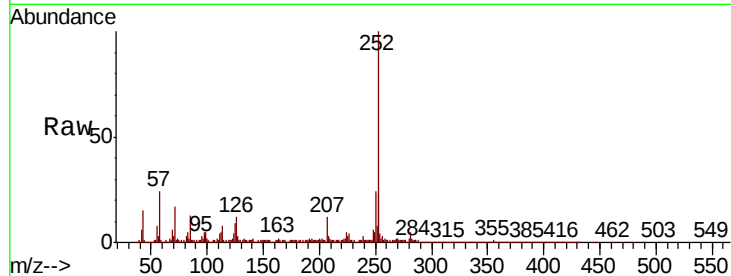
#89
Benzo(k)fluoranthene
Concen: 17.495 ng/ul m
RT: 22.83 min Scan# 3373
Delta R.T. 0.01 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Instrument :
BNA_M
ClientSampleId :
BFB85

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	9.3	6.6	9.8

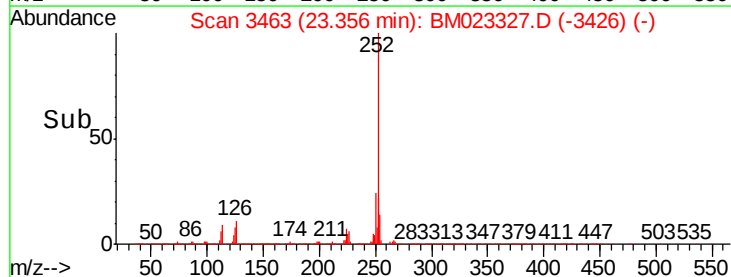
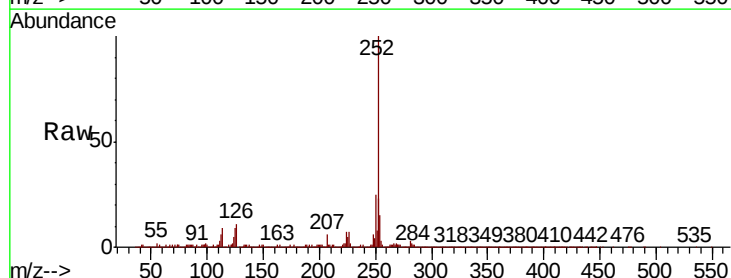
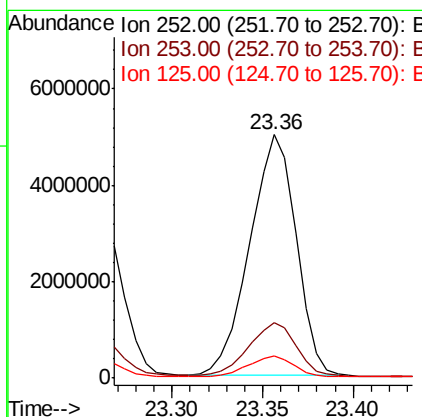
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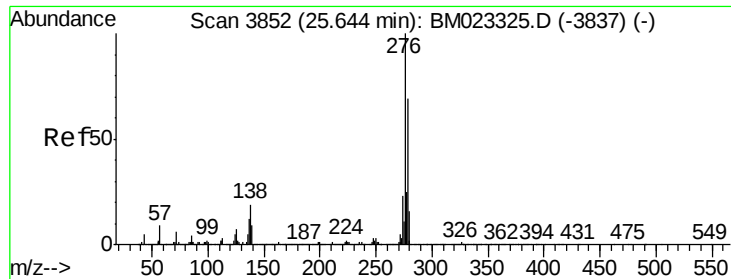
mohammad
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#91
Benzo(a)pyrene
Concen: 53.876 ng/ul
RT: 23.36 min Scan# 3463
Delta R.T. 0.02 min
Lab File: BM023327.D
Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	8.9	7.1	10.7





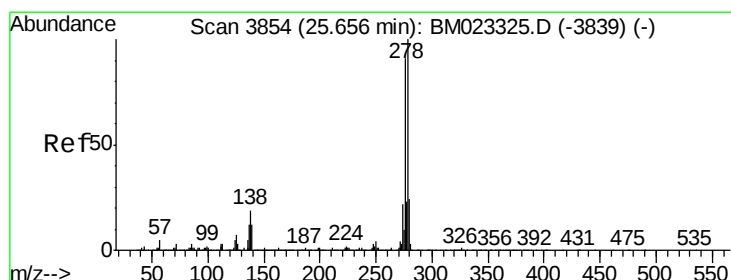
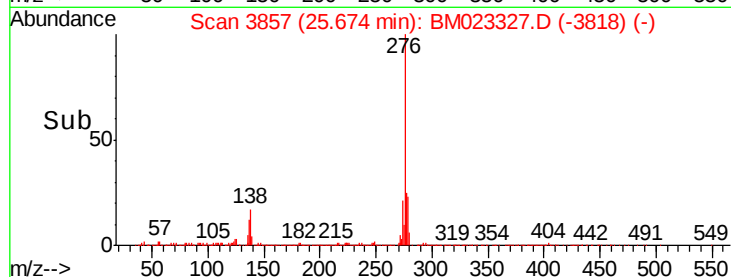
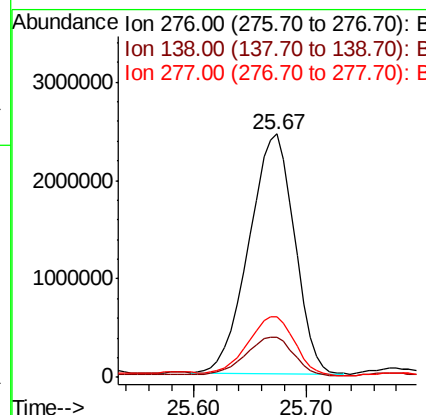
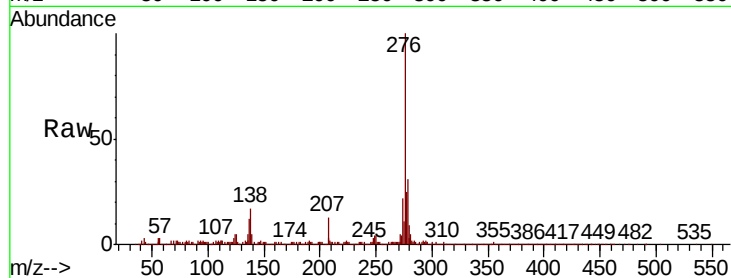
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 34.949 ng/ul m
 RT: 25.67 min Scan# 3857
 Delta R.T. 0.03 min
 Lab File: BM023327.D
 Acq: 22 Oct 2019 20:08

Instrument :
 BNA_M
 ClientSampleId :
 BFB85

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	15.8	23.6
277	25.1	19.8	29.8

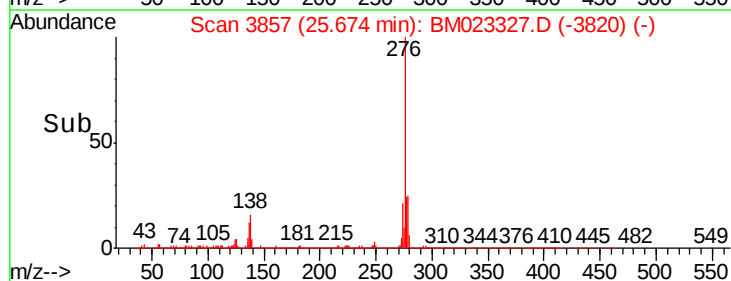
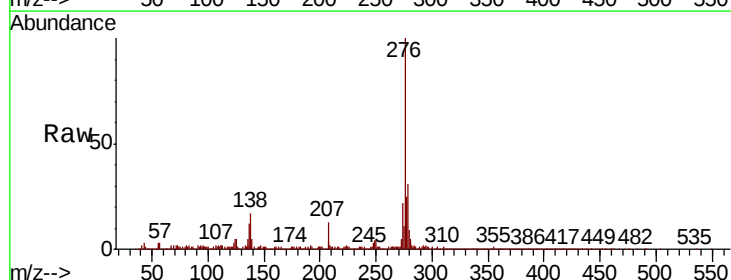
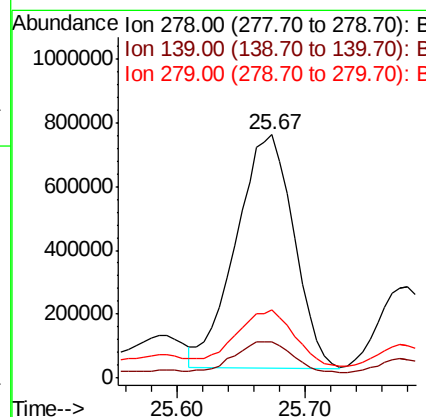
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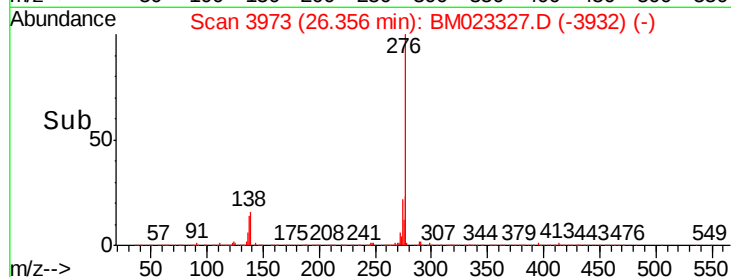
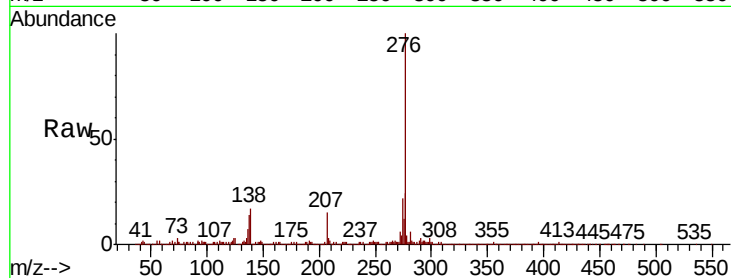
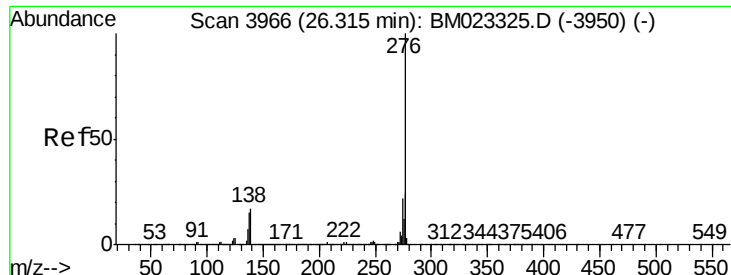
mohammad
 10/24/2019 8:08:45 AM



#93
 Dibenzo(a,h)anthracene
 Concen: 14.065 ng/ul m
 RT: 25.67 min Scan# 3857
 Delta R.T. 0.02 min
 Lab File: BM023327.D
 Acq: 22 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.5	15.7
279	28.0	19.7	29.5





#94

Benzo(a,h,i)perylene

Concen: 43.292 ng/ul m

RT: 26.36 min Scan# 3973

Delta R.T. 0.04 min

Lab File: BM023327.D

Acq: 22 Oct 2019 20:08

Instrument :

BNA_M

ClientSampleId :

BFB85

Tot Ion: 276 Resp: 6956221

Ion Ratio Lower Upper

276 100

138 16.7 13.9 20.9

277 24.2 18.7 28.1

Manual Integrations

APPROVED

mohammad

10/24/2019 8:08:45 AM

