

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023213.D
 Acq On : 17 Oct 2019 09:50
 Operator : JU
 Sample : K5262-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFBB0

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:27:51 AM

Quant Time: Oct 17 14:10:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 12:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	442917	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1717661	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	983558	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1834430	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1829634	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2248216	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	31136	3.09	ng/uL	0.00
5) Phenol-d5	6.83	99	535639	13.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	335159	15.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	455239	15.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	434743	14.03	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	210727	18.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	229245	20.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	442185	15.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	303594	8.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1295252	17.18	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1520966	17.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	111198	9.11	ng/ul	0.00
58) Fluorene-d10	15.30	176	1074086	16.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	79344	10.91	ng/ul	0.00
71) Anthracene-d10	17.15	188	1602096	18.11	ng/ul	0.00
79) Pyrene-d10	19.45	212	1675012	18.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	2054722	18.03	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	93862	2.359	ng/ul 100
28) Naphthalene	10.49	128	304064	3.425	ng/ul 98
34) 2-Methylnaphthalene	12.12	142	111859	1.693	ng/ul 99
45) Dimethylphthalate	13.77	163	380950	5.050	ng/ul 100
48) Acenaphthylene	14.03	152	372383	4.120	ng/ul 100
50) Acenaphthene	14.37	153	410219	6.518	ng/ul 98
54) Dibenzofuran	14.71	168	463683	5.189	ng/ul 100
59) Fluorene	15.36	166	452210	6.169	ng/ul 98
70) Phenanthrene	17.10	178	3114332	30.251	ng/ul 99
72) Anthracene	17.19	178	751046	7.060	ng/ul 99
75) Carbazole	17.45	167	335700	3.532	ng/ul 99
76) Di-n-butylphthalate	18.04	149	127087	1.124	ng/ul# 94
77) Fluoranthene	19.12	202	5653833	46.178	ng/ul 100
80) Pyrene	19.48	202	5075314	44.280	ng/ul 100
81) Butylbenzylphthalate	20.40	149	53327	1.338	ng/ul# 97
83) Benzo(a)anthracene	21.23	228	3242996	26.159	ng/ul 93
84) Bis(2-ethylhexyl)phthalate	21.19	149	875856	13.817	ng/ul 100
85) Chrysene	21.29	228	3245835	28.197	ng/ul 97
87) Di-n-octyl phthalate	22.07	149	285875	2.465	ng/ul 100
88) Benzo(b)fluoranthene	22.80	252	5233375	38.393	ng/ul 98
89) Benzo(k)fluoranthene	22.84	252	1711104m	13.073	ng/ul
91) Benzo(a)pyrene	23.37	252	3958868	30.272	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.69	276	3165736	20.348	ng/ul 97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.69	278	889841	6.841	ng/ul#	93
94) Benzo(g,h,i)perylene	26.37	276	3082733	24.066	ng/ul	98

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

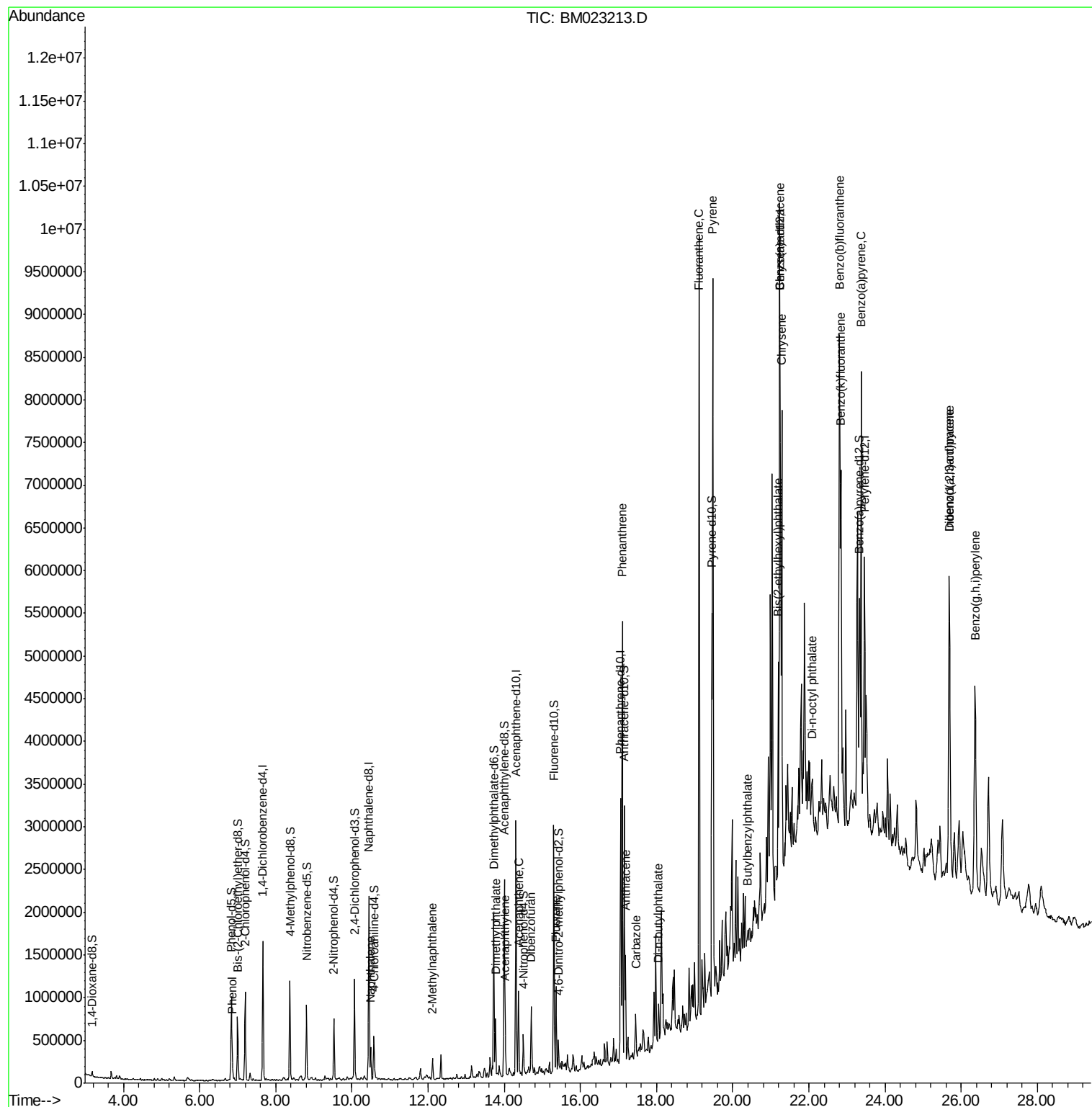
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
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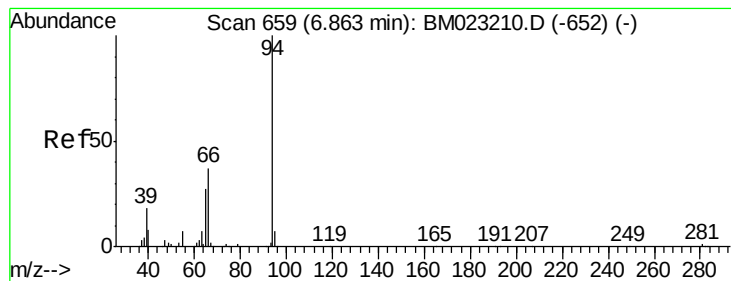
Instrument :
BNA_M
ClientSampled :
BFBB0

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#6

Phenol

Concen: 2.359 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

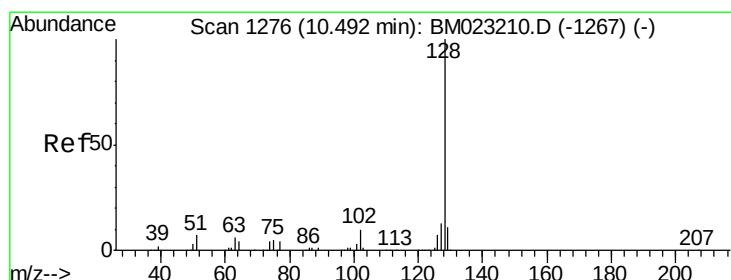
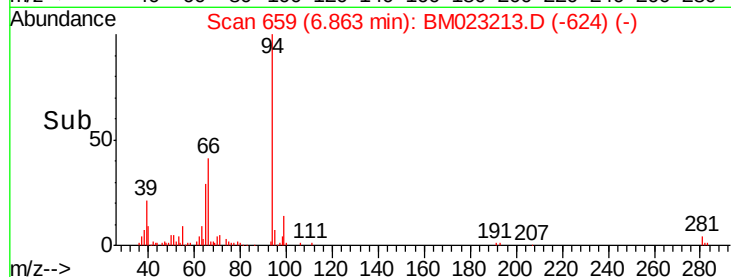
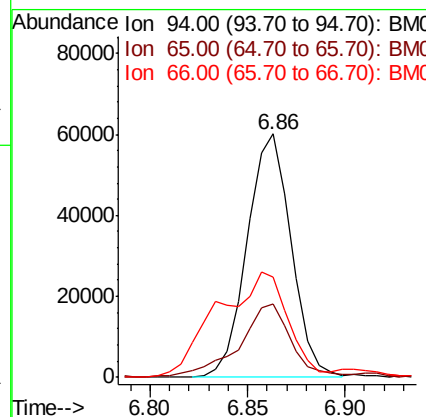
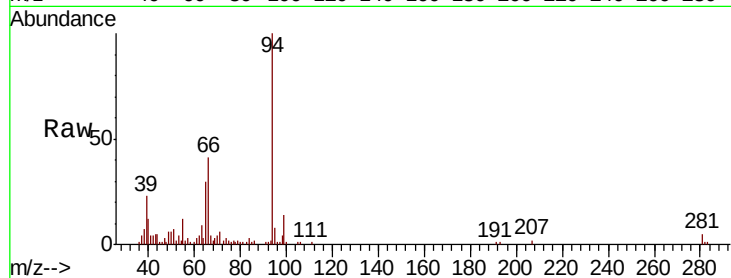
ClientSampleId :

BFB00

Tot Ion:	94	Resp:	93862
Ion	Ratio	Lower	Upper
94	100		
65	29.9	23.7	35.5
66	41.3	32.9	49.3

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#28

Naphthalene

Concen: 3.425 ng/ul

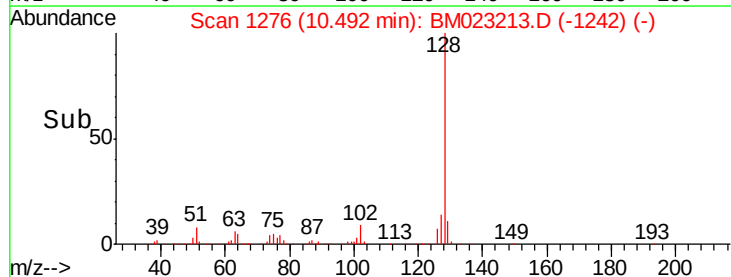
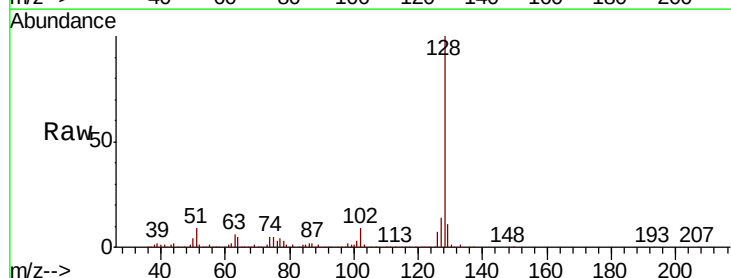
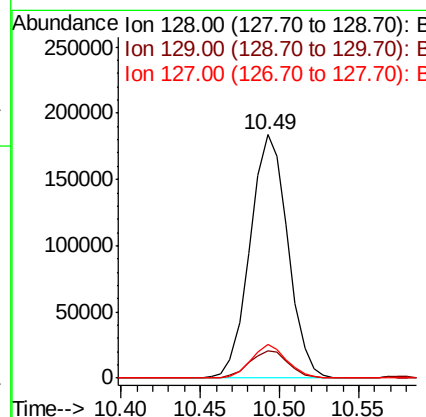
RT: 10.49 min Scan# 1276

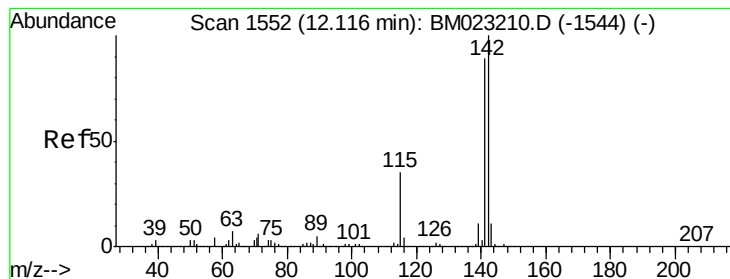
Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion:	128	Resp:	304064
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	13.6	10.2	15.4





#34

2-Methylnaphthalene

Concen: 1.693 ng/ul

RT: 12.12 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

BFBB0

Tot Ion:142 Resp: 111859

Ion Ratio Lower Upper

142 100

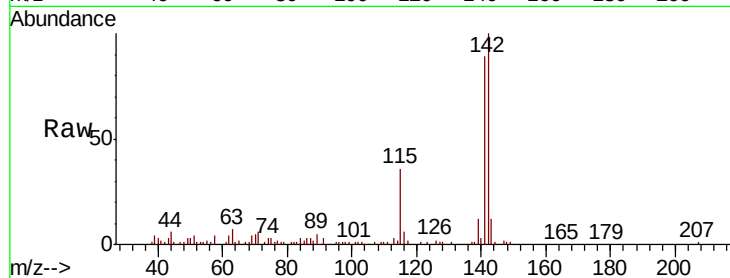
141 88.7 72.1 108.1

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

80000

60000

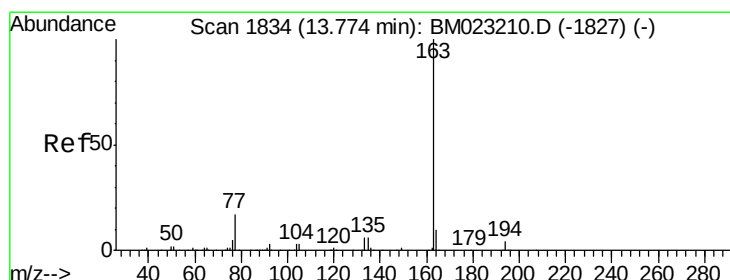
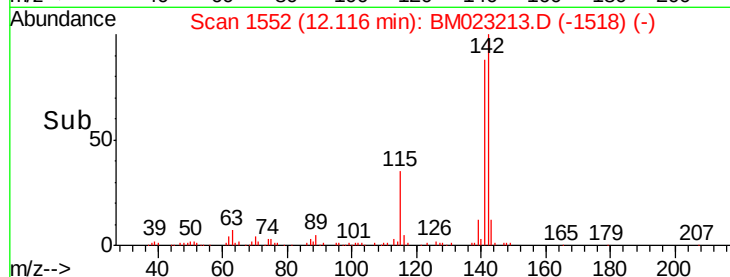
40000

20000

0

12.05 12.10 12.15

Time-->



#45

Dimethylphthalate

Concen: 5.050 ng/ul

RT: 13.77 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

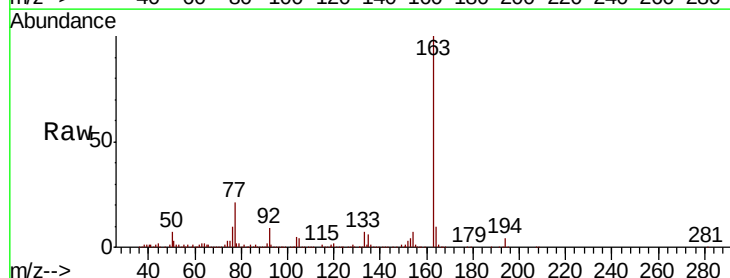
Tgt Ion:163 Resp: 380950

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.8 8.0 12.0



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

300000

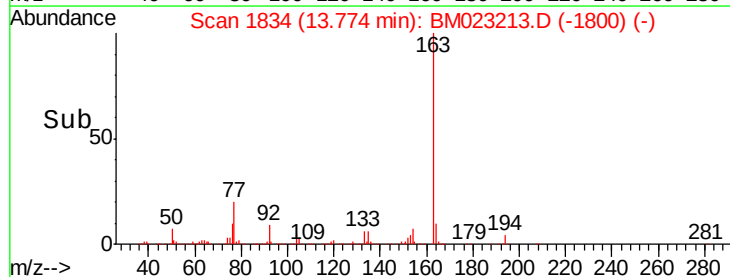
200000

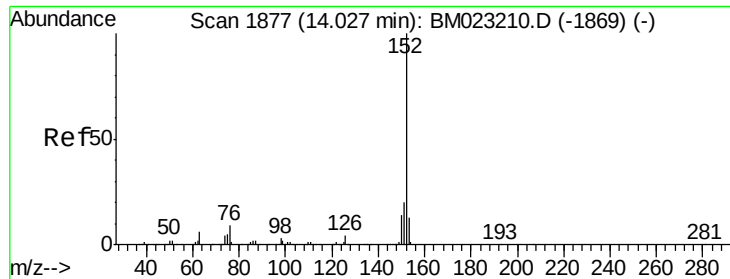
100000

0

13.70 13.75 13.80 13.85

Time-->





#48

Acenaphthylene

Concen: 4.120 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

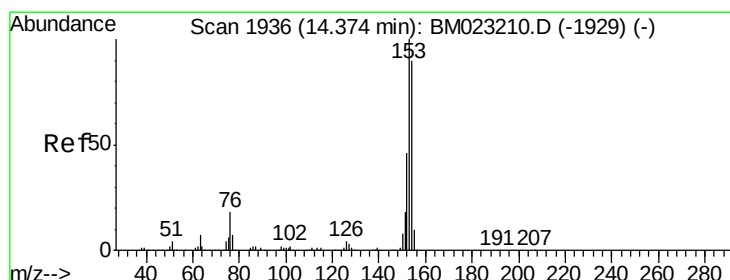
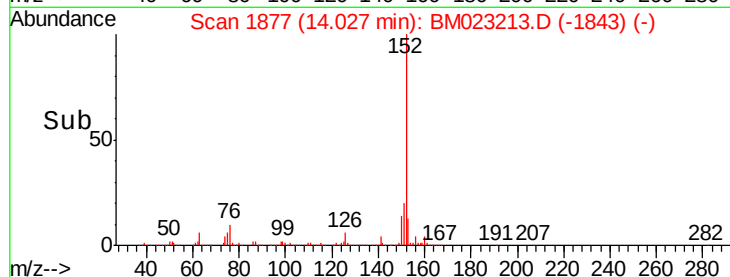
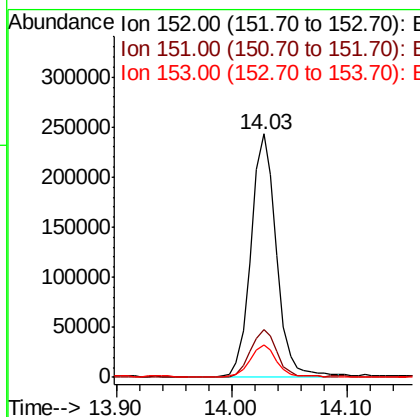
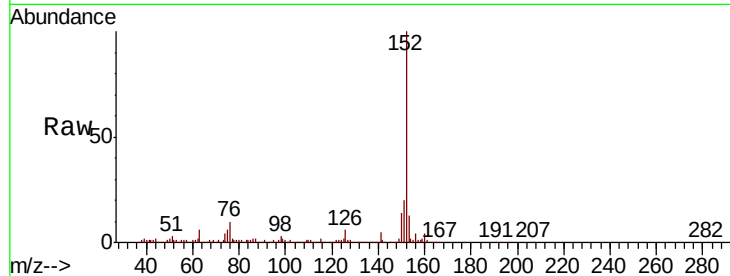
ClientSampleId :

BFBB0

Tot Ion:	152	Resp:	372383
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	13.2	10.3	15.5

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#50

Acenaphthene

Concen: 6.518 ng/ul

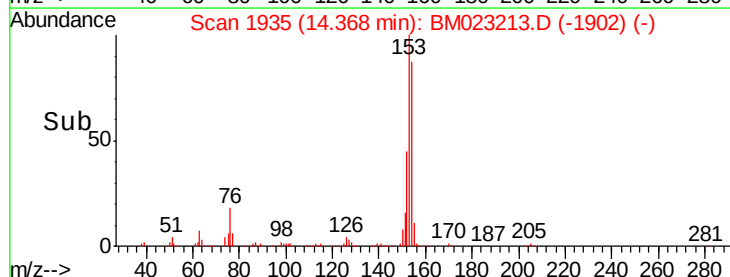
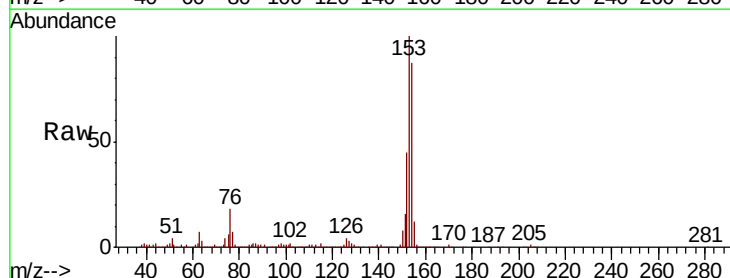
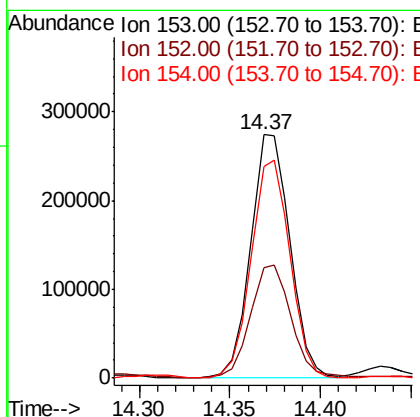
RT: 14.37 min Scan# 1935

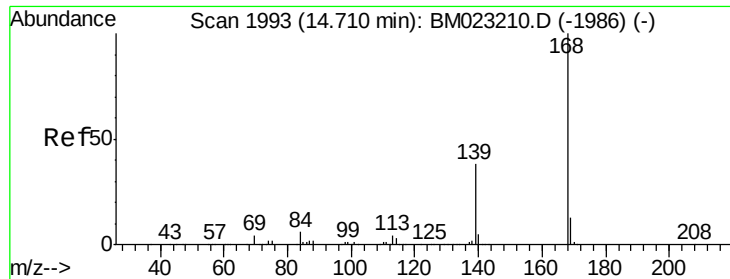
Delta R.T. -0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion:	153	Resp:	410219
Ion Ratio	Lower	Upper	
153	100		
152	45.3	38.0	57.0
154	86.7	70.4	105.6





#54

Dibenzofuran

Concen: 5.189 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

BFBB0

Tot Ion:168 Resp: 463683

Ion Ratio Lower Upper

168 100

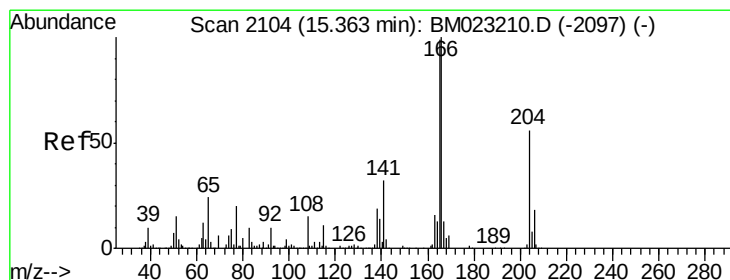
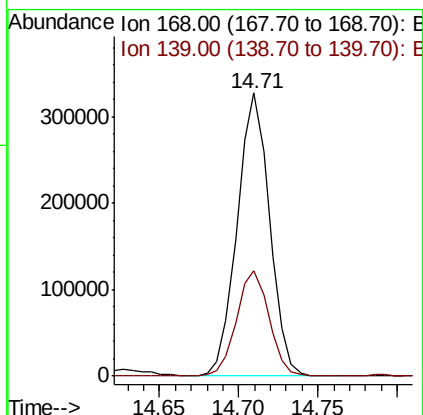
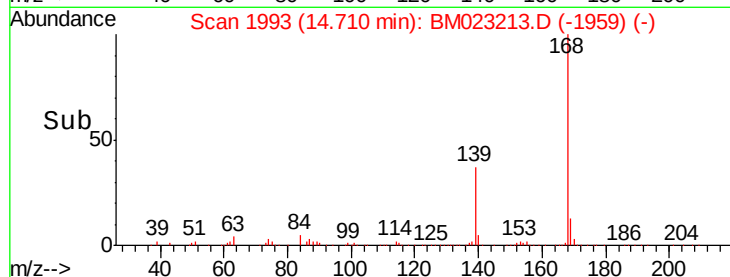
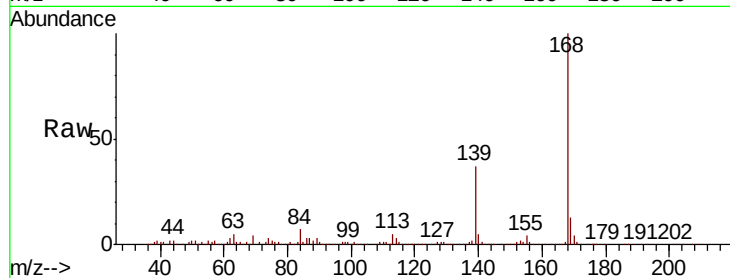
139 37.4 30.1 45.1

Manual Integrations

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#59

Fluorene

Concen: 6.169 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

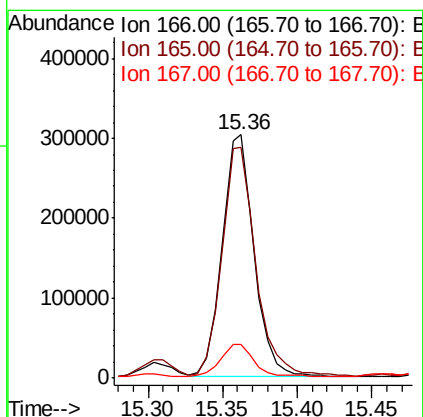
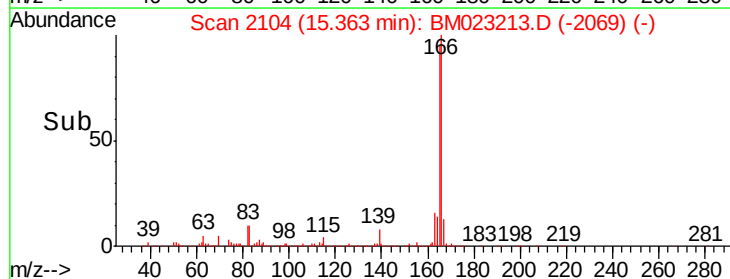
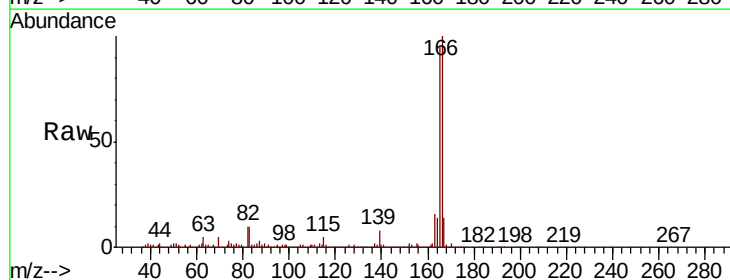
Tgt Ion:166 Resp: 452210

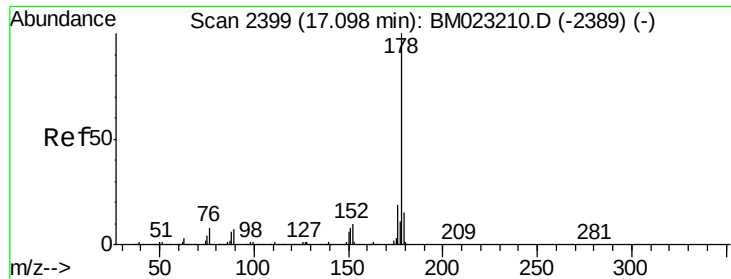
Ion Ratio Lower Upper

166 100

165 94.9 77.4 116.0

167 13.8 10.8 16.2





#70

Phenanthrene

Concen: 30.251 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleID :

BFBB0

Tot Ion:178 Resp: 3114332

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

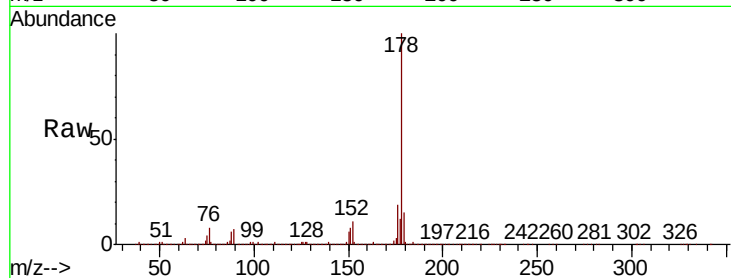
176 18.8 15.5 23.3

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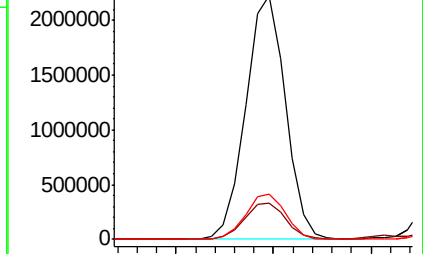
10/18/2019 8:27:51 AM



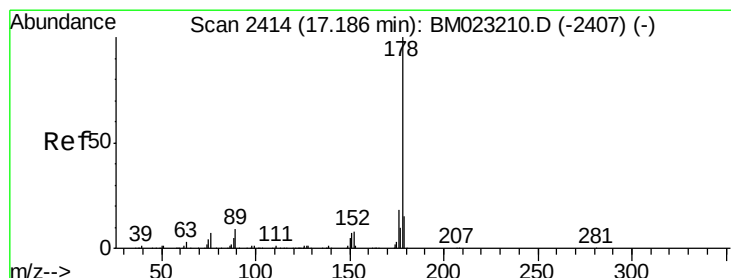
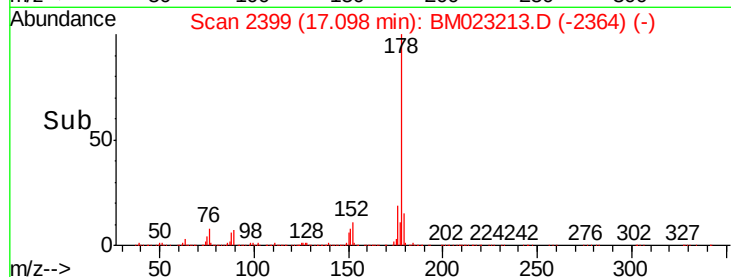
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 7.060 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

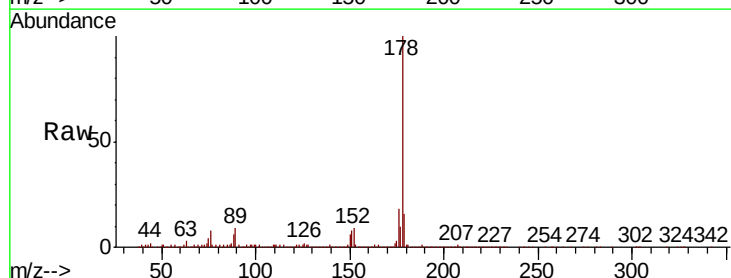
Tgt Ion:178 Resp: 751046

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

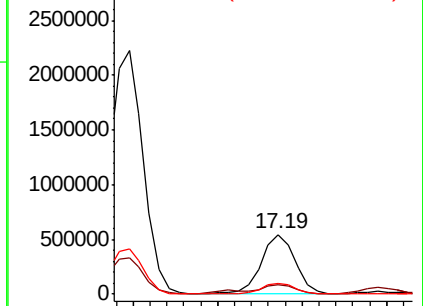
176 18.4 15.0 22.4



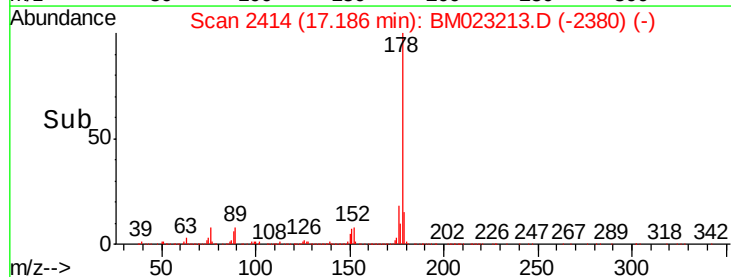
Abundance Ion 178.00 (177.70 to 178.70): E

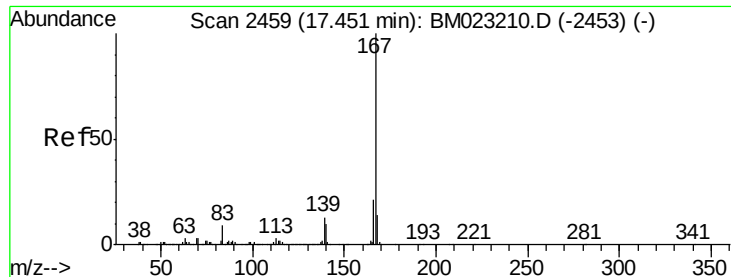
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#75

Carbazole

Concen: 3.532 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

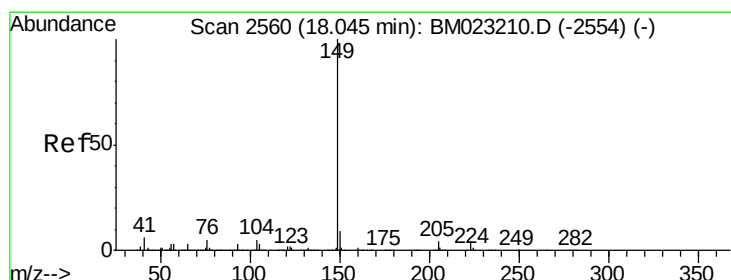
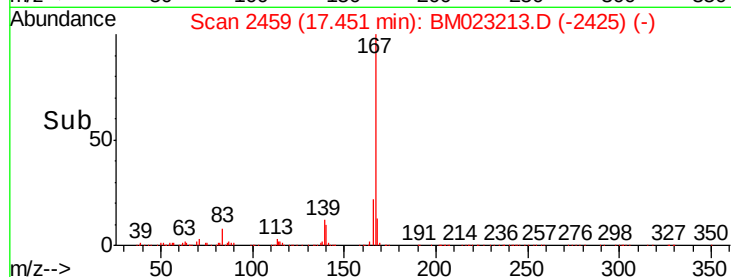
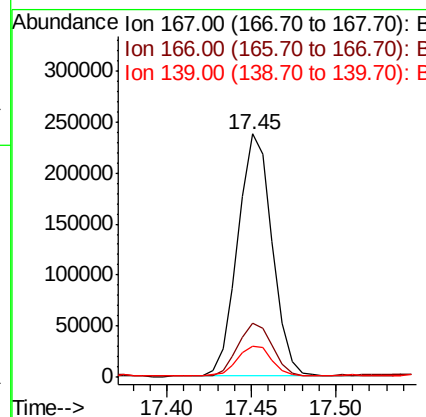
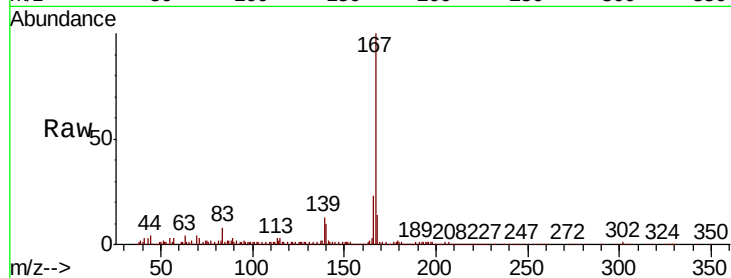
ClientSampleId :

BFBB0

Tot Ion:	167	Resp:	335700
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.4	26.0
139	13.0	10.2	15.2

Manual Integrations
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#76

Di-n-butylphthalate

Concen: 1.124 ng/ul

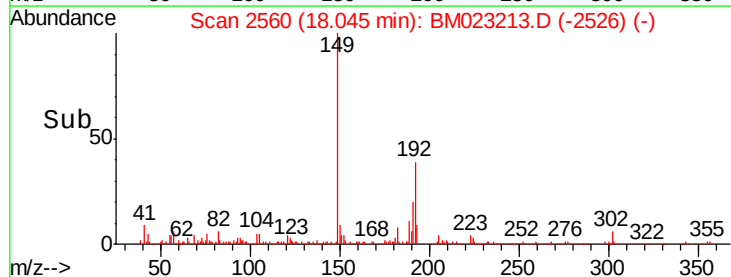
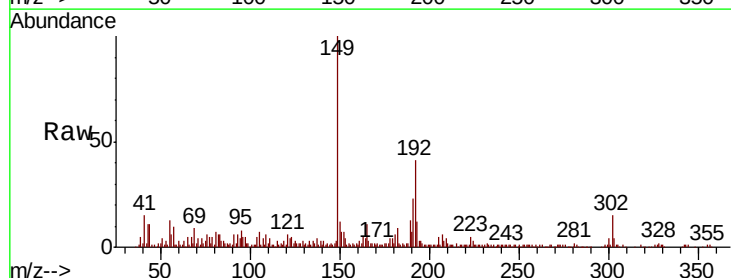
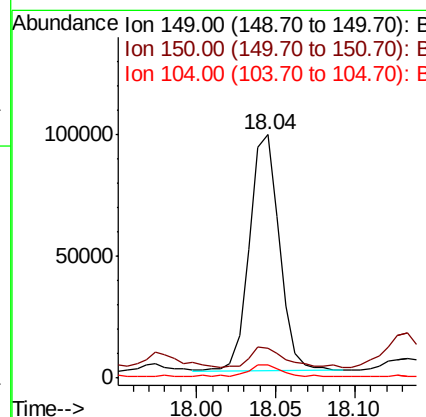
RT: 18.04 min Scan# 2560

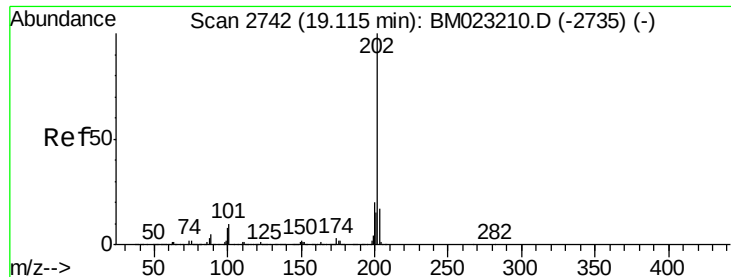
Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion:	149	Resp:	127087
Ion Ratio	Lower	Upper	
149	100		
150	12.1	7.0	10.4#
104	5.2	4.0	6.0





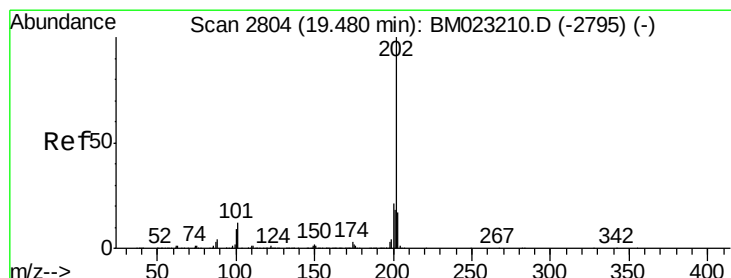
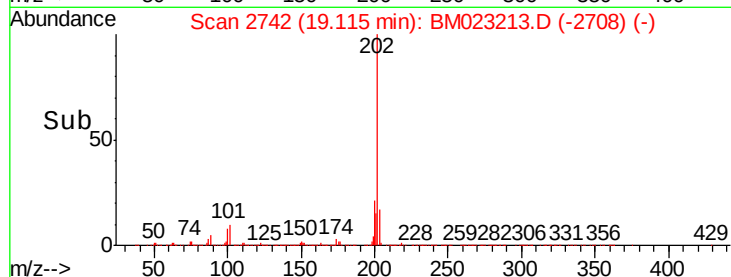
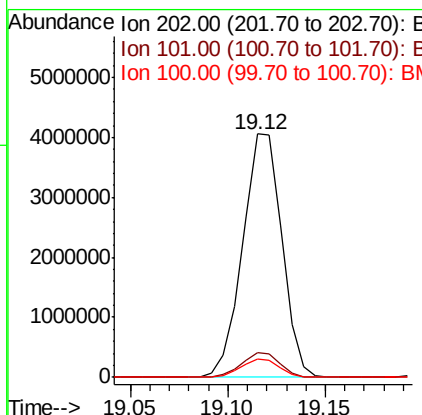
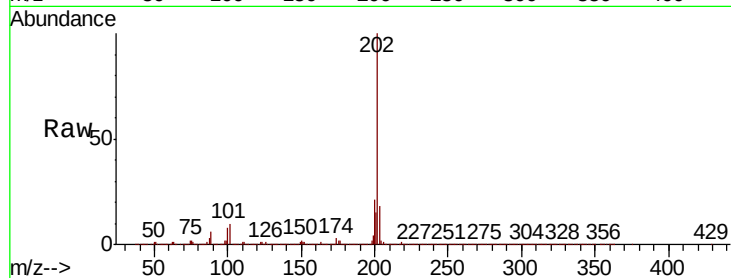
#77
Fluoranthene
 Concen: 46.178 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

Instrument :
 BNA_M
 ClientSampleID :
 BFBB0

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.8	11.8
100	7.6	6.1	9.1

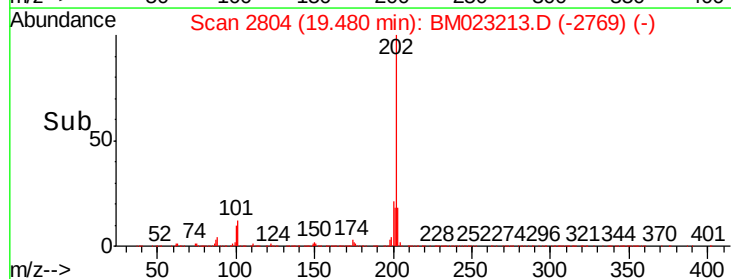
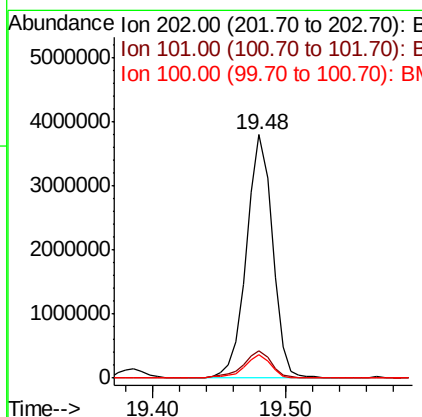
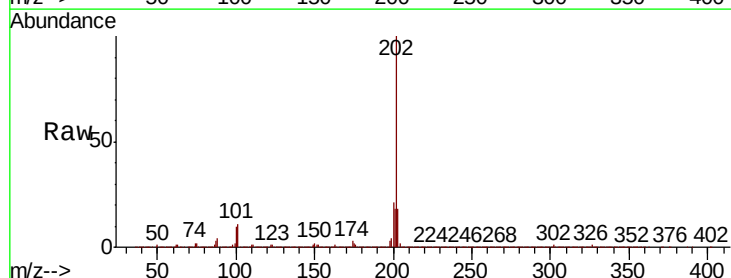
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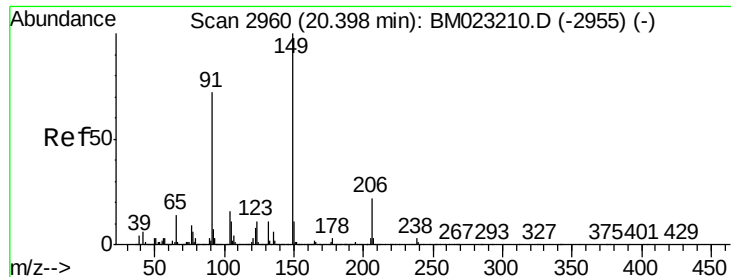
mohammad
 10/18/2019 8:27:51 AM



#80
Pyrene
 Concen: 44.280 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
100	9.5	7.5	11.3





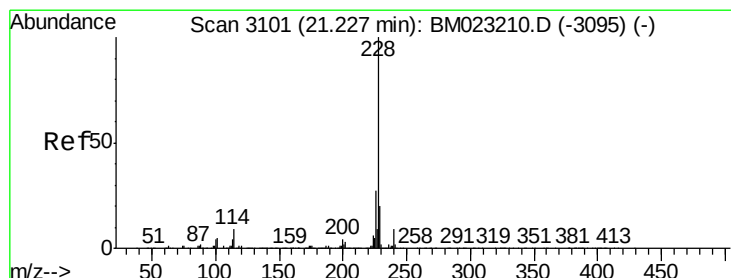
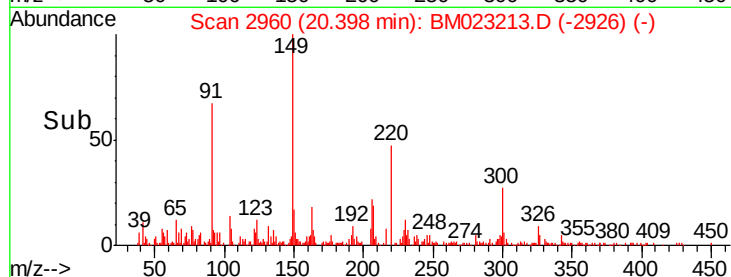
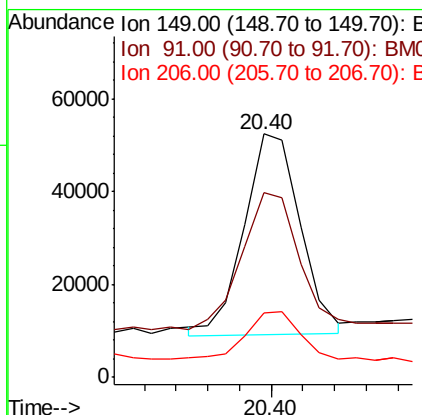
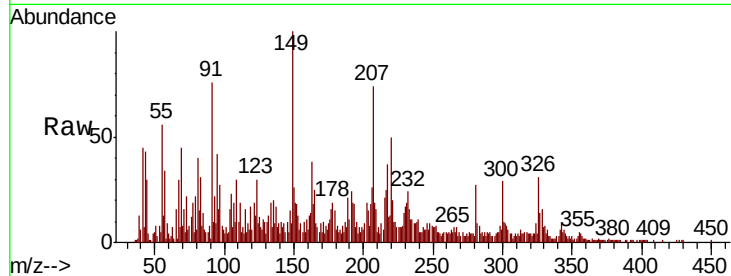
#81
Butylbenzylphthalate
Concen: 1.338 ng/ul
RT: 20.40 min Scan# 2960
Delta R.T. -0.00 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Instrument :
BNA_M
ClientSampleId :
BFBB0

Tot Ion	Ratio	Lower	Upper
149	100		
91	75.9	59.9	89.9
206	26.4	17.1	25.7

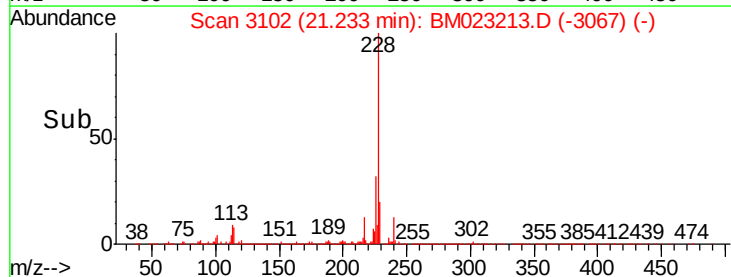
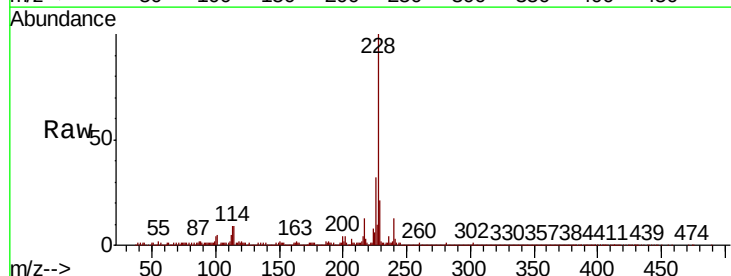
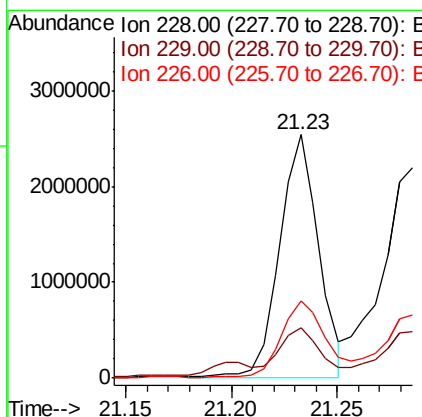
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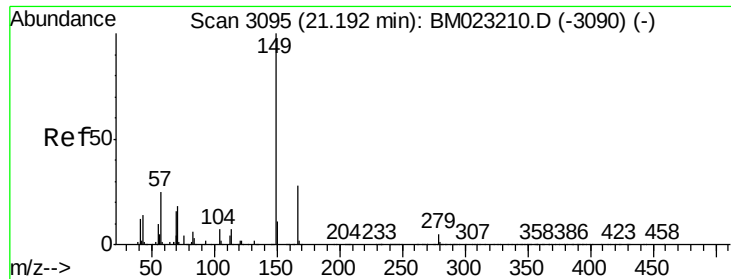
mohammad
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#83
Benzo(a)anthracene
Concen: 26.159 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.7	23.5
226	31.9	21.6	32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 13.817 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

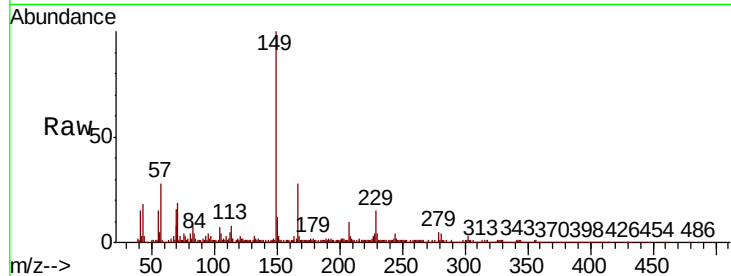
ClientSampleId :

BFBB0

Tot Ion:	149	Resp:	875856
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.5	33.7
279	5.2	4.0	6.0

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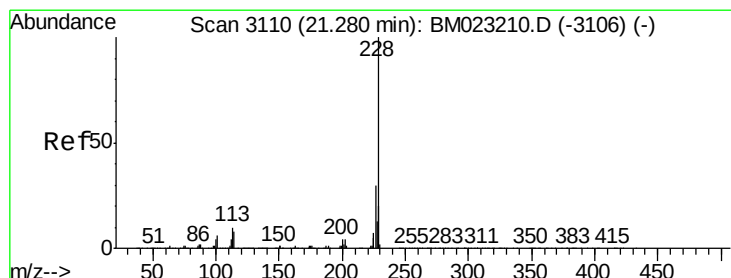
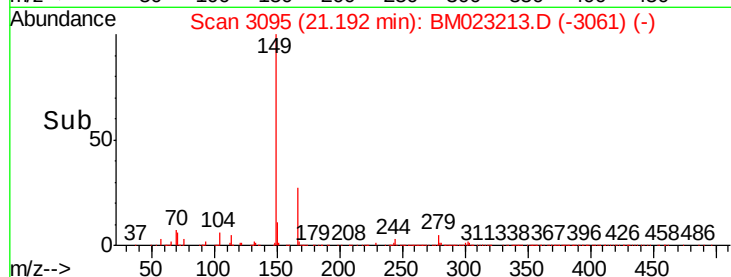
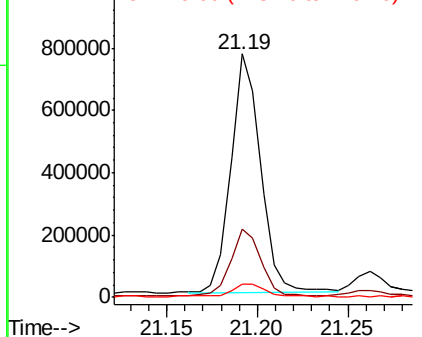


Abundance

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: 28.197 ng/ul

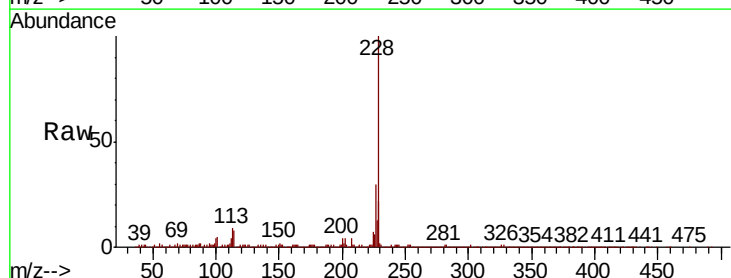
RT: 21.29 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion:	228	Resp:	3245835
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	21.9	15.5	23.3

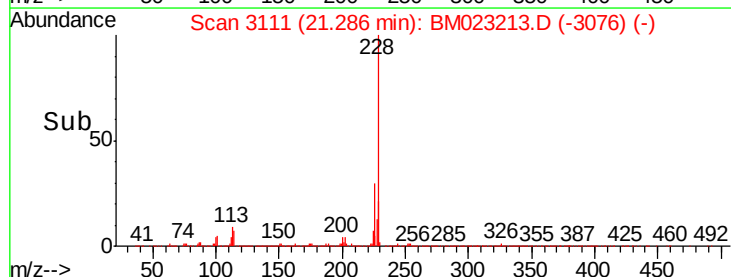
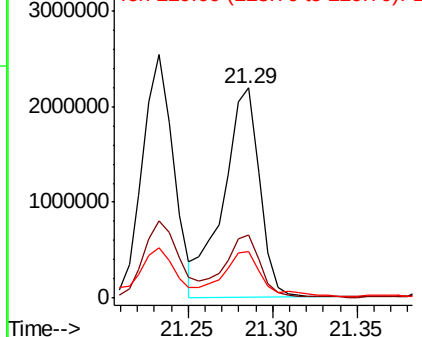


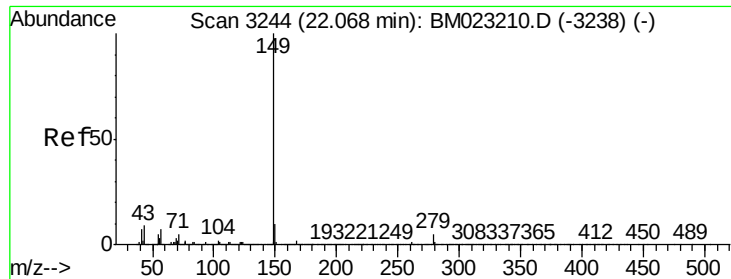
Abundance

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





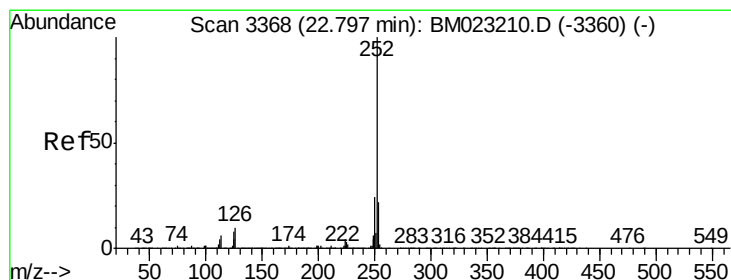
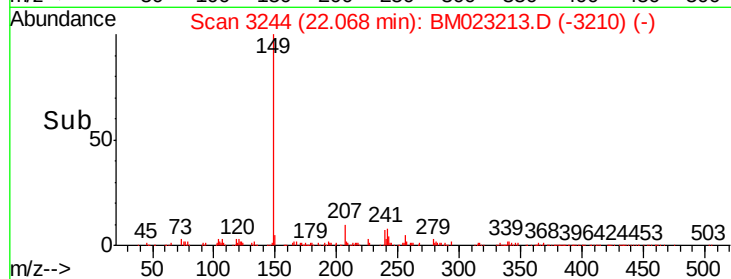
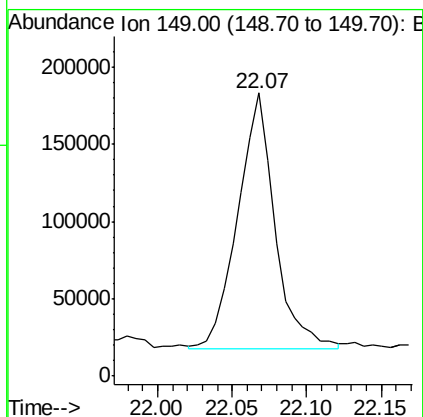
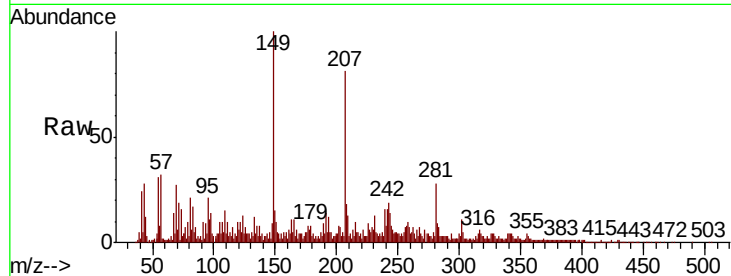
#87
 Di-n-octyl phthalate
 Concen: 2.465 ng/ul
 RT: 22.07 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

Instrument :
 BNA_M
 ClientSampleId :
 BFBB0

Tgt Ion:149 Resp: 285875

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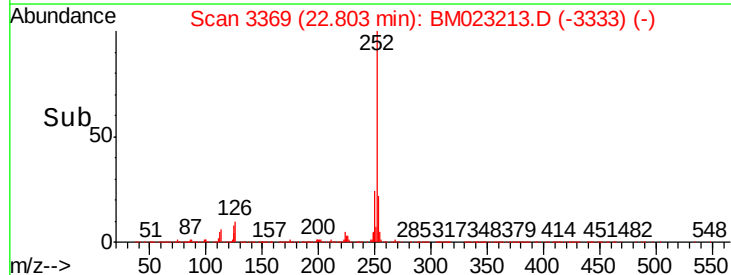
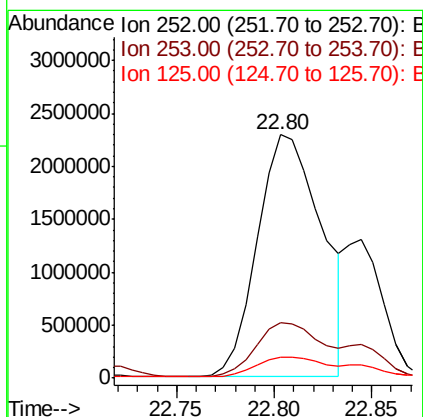
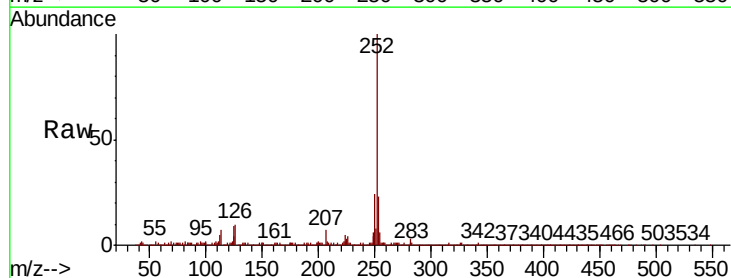
mohammad
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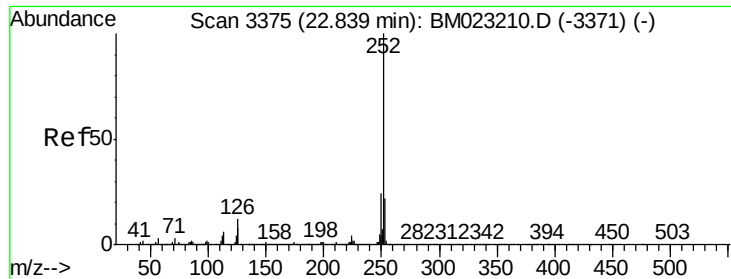


#88
 Benzo(b)fluoranthene
 Concen: 38.393 ng/ul
 RT: 22.80 min Scan# 3369
 Delta R.T. 0.01 min
 Lab File: BM023213.D
 Acq: 17 Oct 2019 09:50

Tgt Ion:252 Resp: 5233375

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	8.6	6.4	9.6





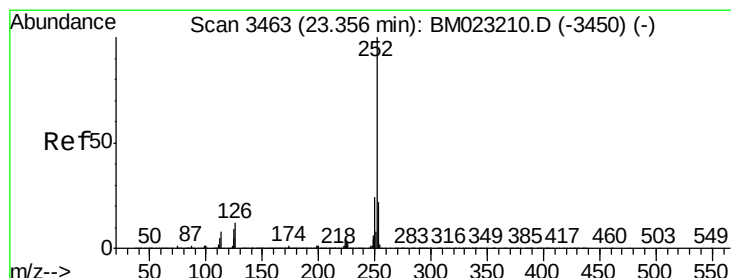
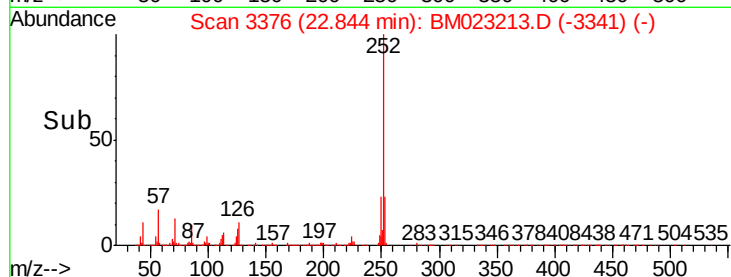
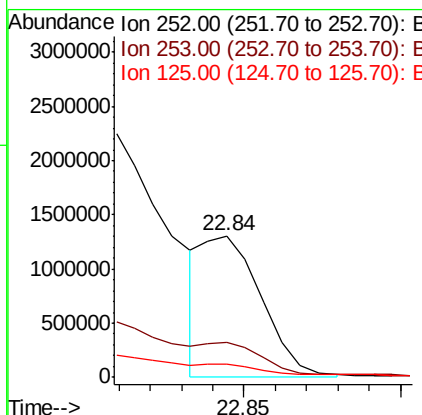
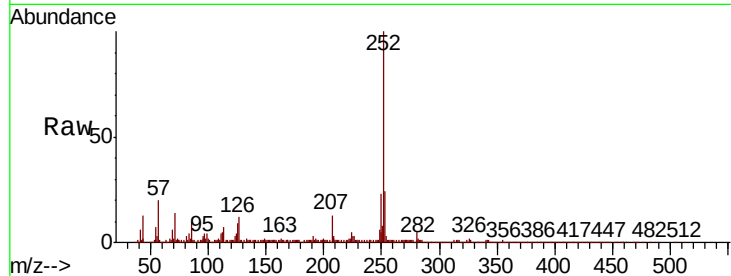
#89
Benzo(k)fluoranthene
Concen: 13.073 ng/ul m
RT: 22.84 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Instrument :
BNA_M
ClientSampleId :
BFBB0

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	9.3	6.5	9.7

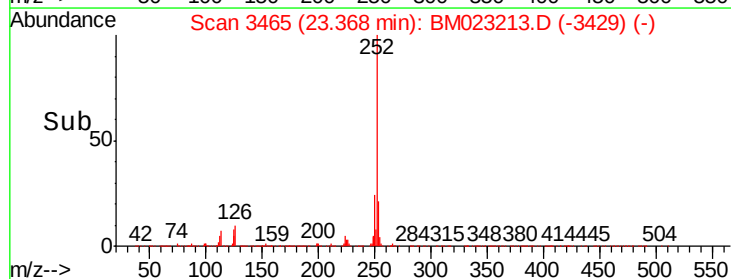
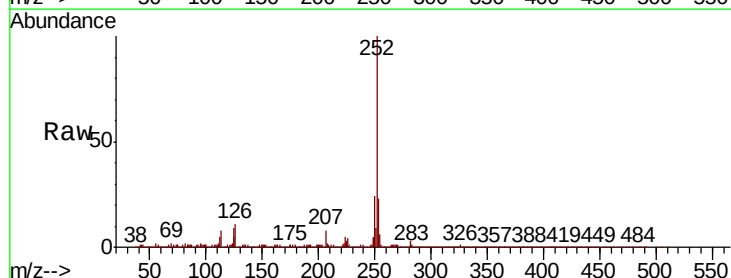
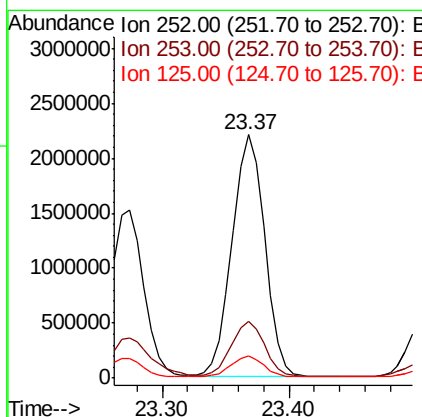
Manual Integrations
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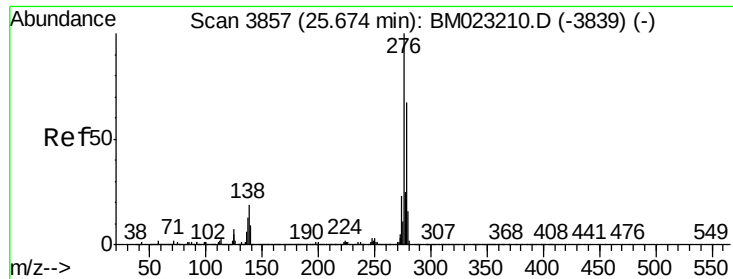
mohammad
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#91
Benzo(a)pyrene
Concen: 30.272 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM023213.D
Acq: 17 Oct 2019 09:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	8.9	7.4	11.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 20.348 ng/ul

RT: 25.69 min Scan# 3860

Delta R.T. 0.02 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

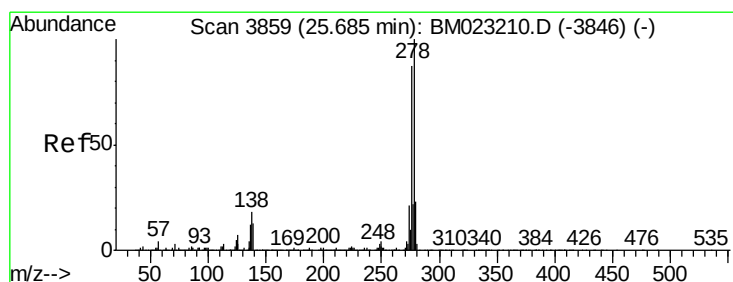
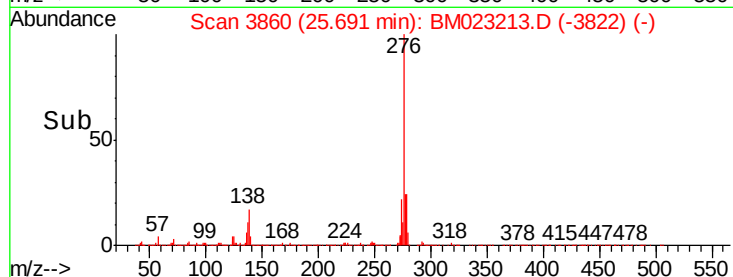
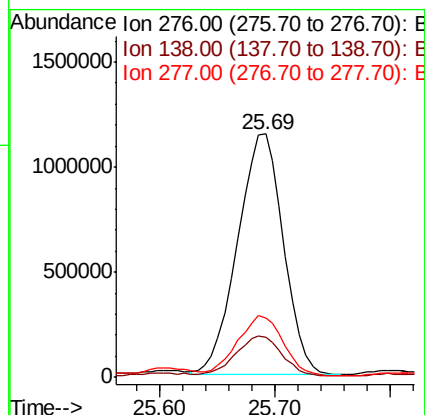
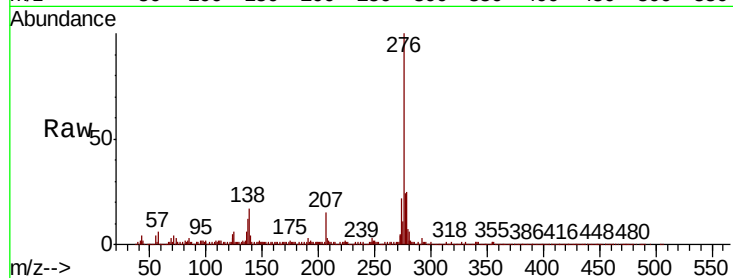
Instrument :
BNA_M

ClientSampleId :
BFBB0

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.9	22.3
277	24.3	19.8	29.8

Manual Integrations
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#93

Dibenzo(a,h)anthracene

Concen: 6.841 ng/ul

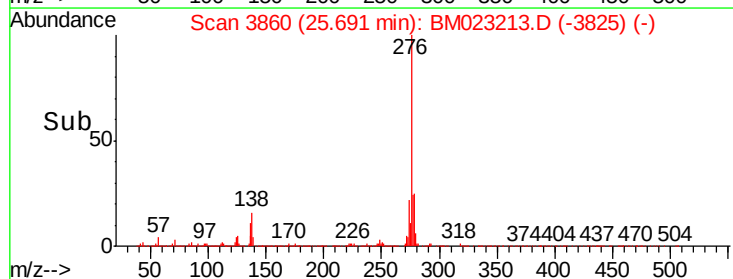
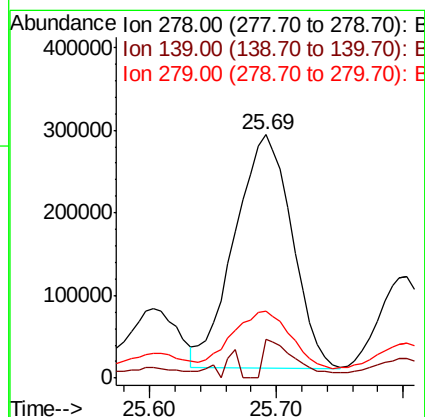
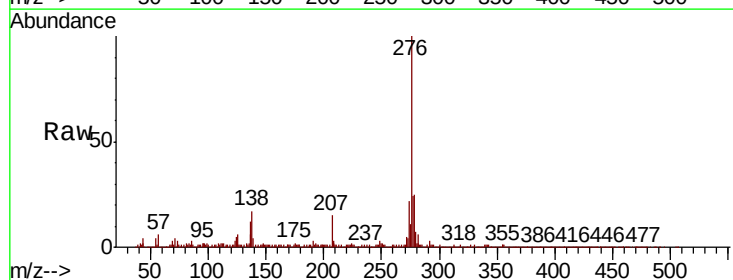
RT: 25.69 min Scan# 3860

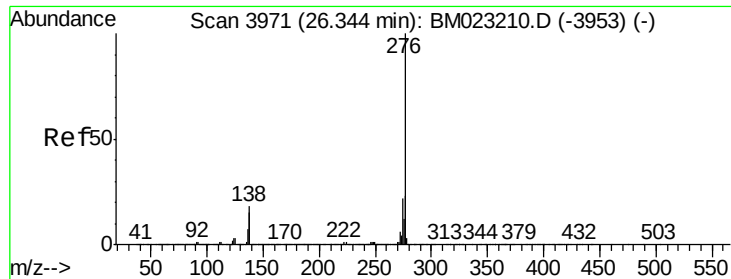
Delta R.T. 0.01 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	10.0	15.0#
279	27.3	19.4	29.0





#94

Benzo(a,h,i)perylene

Concen: 24.066 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.03 min

Lab File: BM023213.D

Acq: 17 Oct 2019 09:50

Instrument :

BNA_M

ClientSampleId :

BFBB0

Tot Ion: 276 Resp: 3082733

Ion Ratio Lower Upper

276 100

138 16.5 14.4 21.6

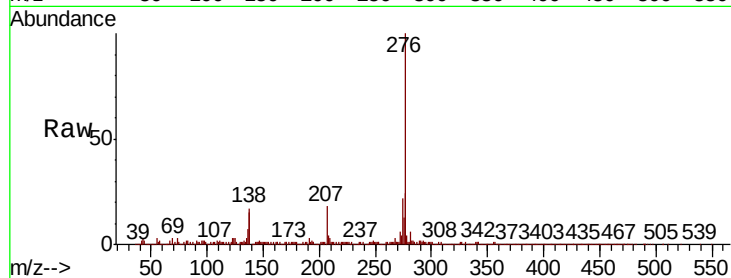
277 24.1 19.4 29.2

Manual Integrations

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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

