

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023215.D
 Acq On : 17 Oct 2019 11:02
 Operator : JU
 Sample : K5262-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB79

Manual Integrations
 APPROVED

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 10/18/2019 8:27:56 AM

Quant Time: Oct 17 14:27:33 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	363765	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1393348	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	801808	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1534325	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1554603	20.00	ng/ul	0.00
86) Perylene-d12	23.47	264	1918385	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	16412	1.99	ng/uL	0.00
5) Phenol-d5	6.83	99	275019	8.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	162910	9.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	230065	9.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	212388	8.35	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	105822	11.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	109786	12.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	222744	9.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	159061	5.73	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	662762	10.79	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	776007	10.77	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	66684	6.70	ng/ul	0.00
58) Fluorene-d10	15.30	176	562765	10.75	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.43	200	28023	4.61	ng/ul	0.01
71) Anthracene-d10	17.16	188	847323	11.45	ng/ul	0.00
79) Pyrene-d10	19.45	212	912143	12.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	1122769	11.55	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.86	94	55023	1.684	ng/ul 95
28) Naphthalene	10.49	128	375862	5.219	ng/ul 99
34) 2-Methylnaphthalene	12.12	142	139386	2.601	ng/ul 99
45) Dimethylphthalate	13.77	163	244404	3.974	ng/ul 98
48) Acenaphthylene	14.03	152	618779	8.398	ng/ul 99
50) Acenaphthene	14.37	153	470465	9.169	ng/ul 100
54) Dibenzofuran	14.71	168	584957	8.031	ng/ul 99
59) Fluorene	15.36	166	615155	10.293	ng/ul 98
70) Phenanthrene	17.10	178	10469905	121.591	ng/ul 99
72) Anthracene	17.19	178	2409663	27.081	ng/ul 99
75) Carbazole	17.46	167	1073406	13.504	ng/ul 99
77) Fluoranthene	19.12	202	14410845m	140.722	ng/ul
80) Pyrene	19.49	202	13430123	137.901	ng/ul 95
83) Benzo(a)anthracene	21.24	228	8126139	77.145	ng/ul 95
85) Chrysene	21.29	228	7702723	78.753	ng/ul 97
88) Benzo(b)fluoranthene	22.82	252	11954939	102.783	ng/ul 98
89) Benzo(k)fluoranthene	22.85	252	4383798m	39.251	ng/ul
91) Benzo(a)pyrene	23.38	252	8883099	79.604	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.70	276	6982706	52.599	ng/ul 97
93) Dibenzo(a,h)anthracene	25.71	278	1793173	16.155	ng/ul# 86
94) Benzo(a,h,i)perylene	26.39	276	4854986	44.419	ng/ul 98

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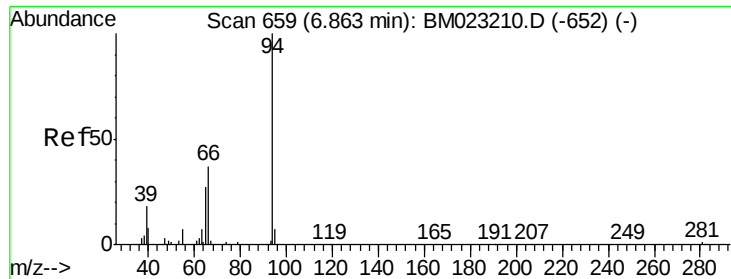
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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#6

Phenol

Concen: 1.684 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Instrument :

BNA_M

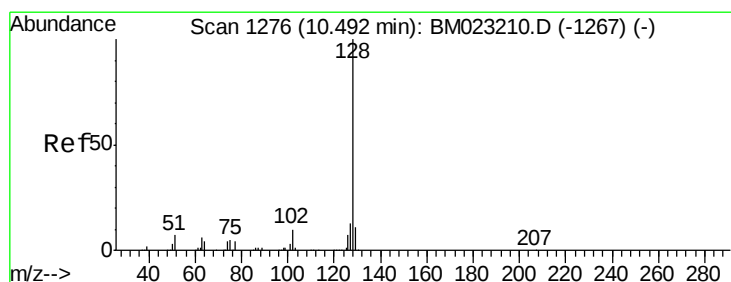
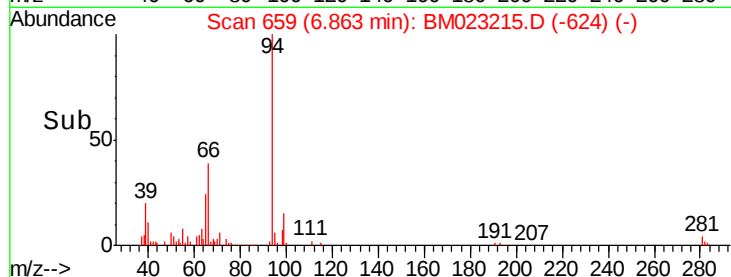
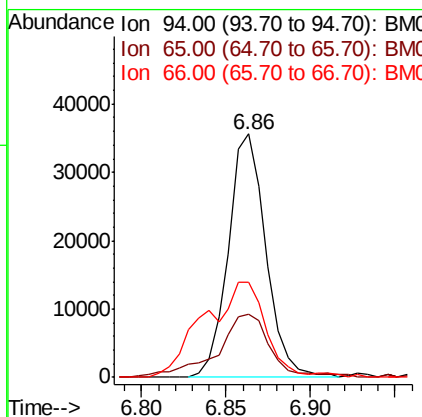
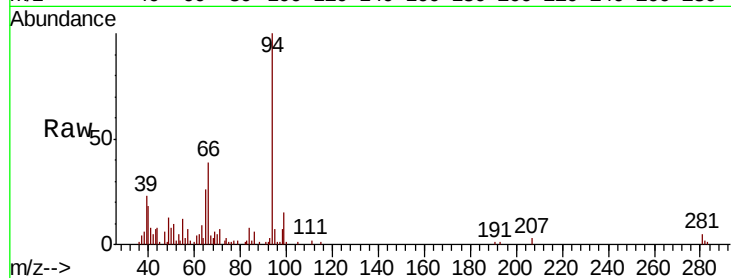
ClientSampleId :

BFB79

Tot Ion:	94	Resp:	55023
Ion Ratio	Lower	Upper	
94	100		
65	25.7	23.7	35.5
66	38.9	32.9	49.3

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#28

Naphthalene

Concen: 5.219 ng/ul

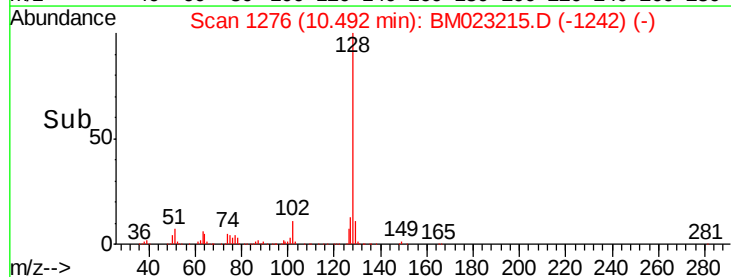
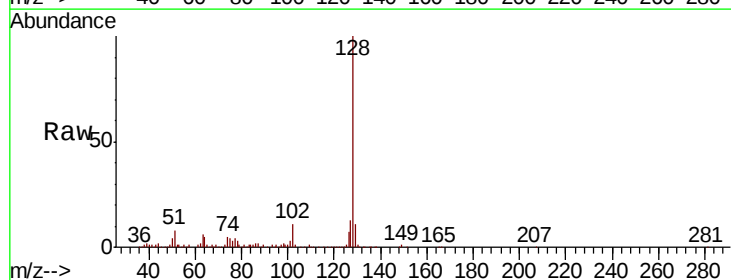
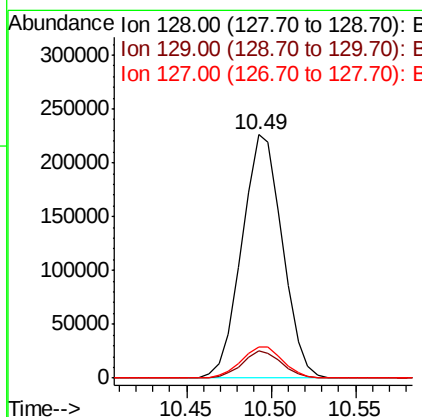
RT: 10.49 min Scan# 1276

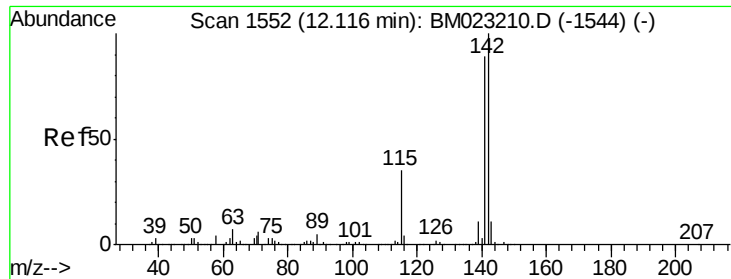
Delta R.T. 0.00 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Tgt Ion:	128	Resp:	375862
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.3	12.5
127	12.8	10.2	15.4





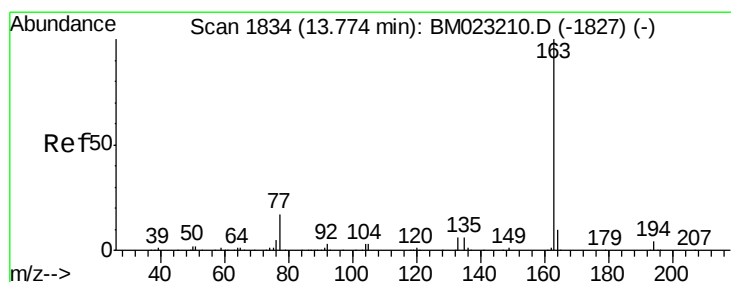
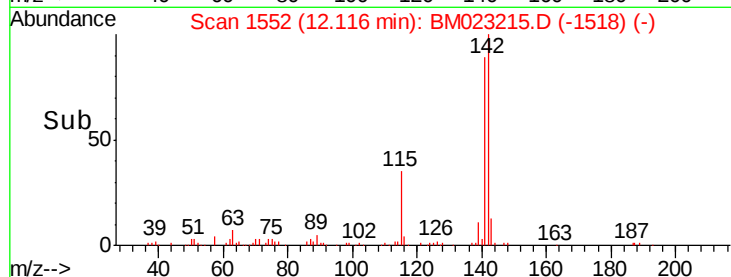
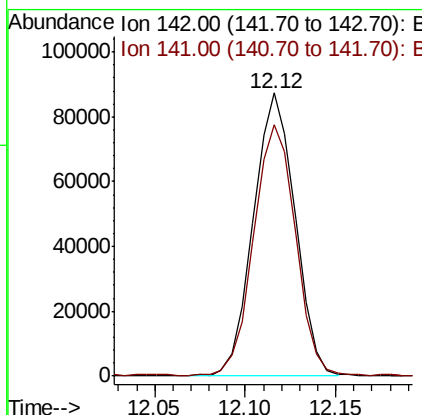
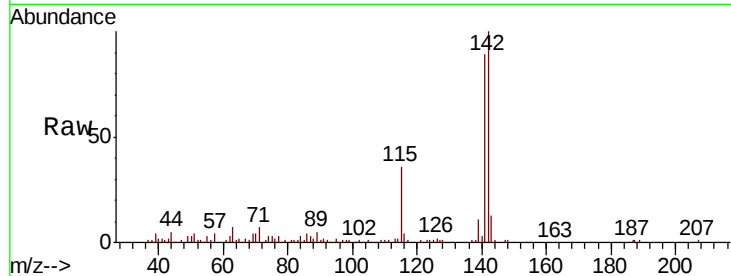
#34
2-Methylnaphthalene
Concen: 2.601 ng/ul
RT: 12.12 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Instrument :
BNA_M
ClientSampleId :
BFB79

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1

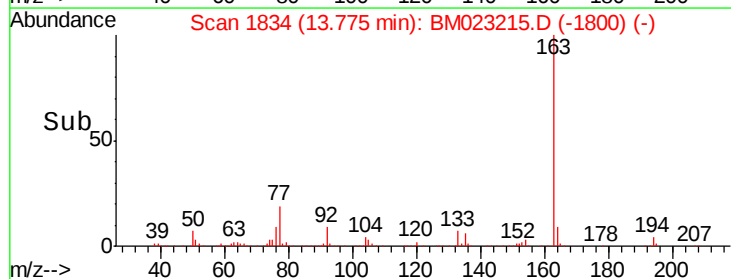
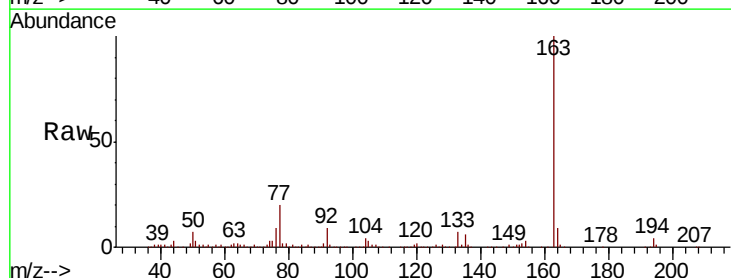
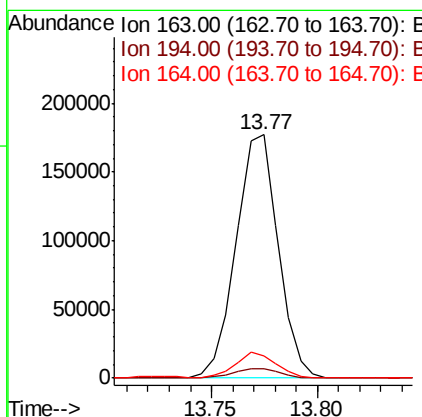
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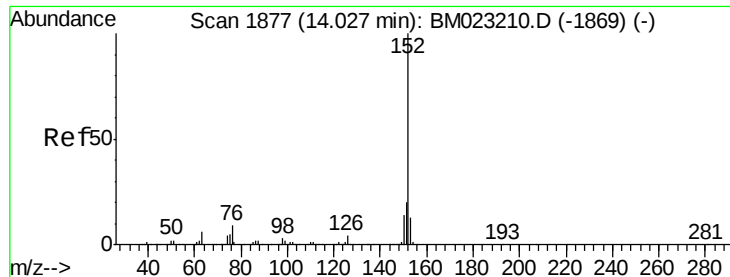
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#45
Dimethylphthalate
Concen: 3.974 ng/ul
RT: 13.77 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	9.2	8.0	12.0





#48

Acenaphthylene

Concen: 8.398 ng/ul

RT: 14.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Instrument :

BNA_M

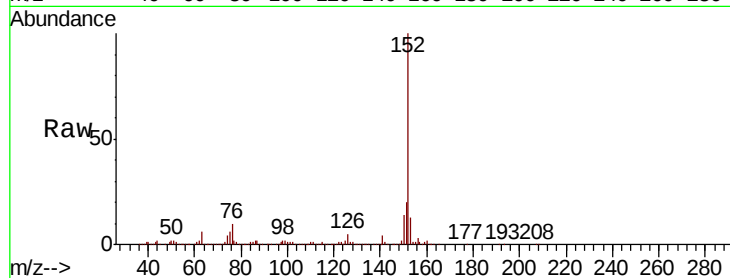
ClientSampleId :

BFB79

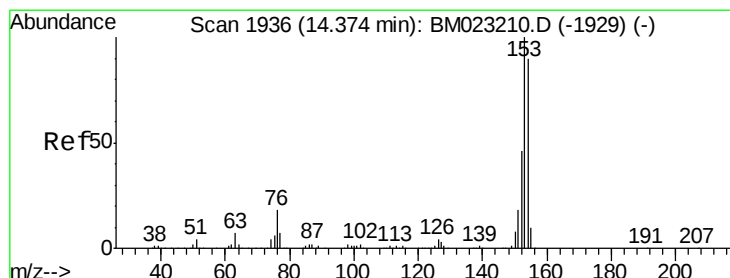
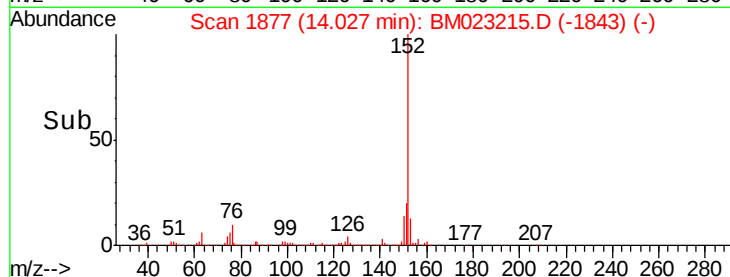
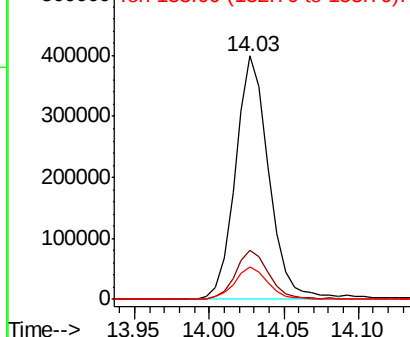
Tot Ion:	152	Resp:	618779
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.6
153	13.3	10.3	15.5

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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: 9.169 ng/ul

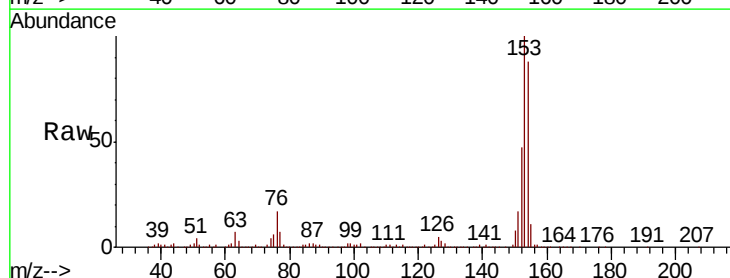
RT: 14.37 min Scan# 1936

Delta R.T. 0.00 min

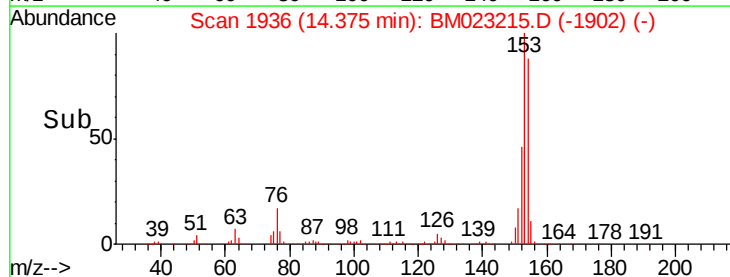
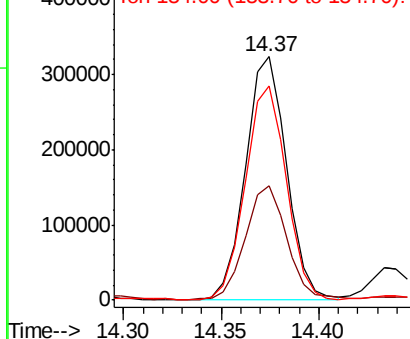
Lab File: BM023215.D

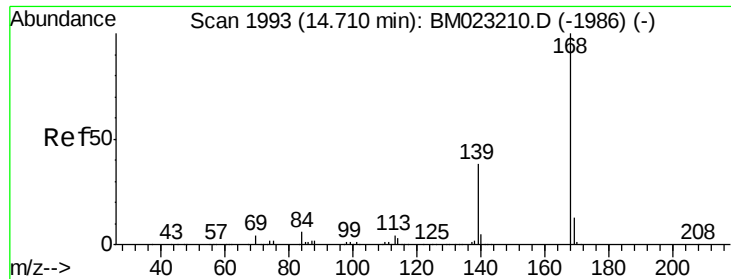
Acq: 17 Oct 2019 11:02

Tgt Ion:	153	Resp:	470465
Ion Ratio	Lower	Upper	
153	100		
152	46.8	38.0	57.0
154	88.1	70.4	105.6



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: 8.031 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Instrument :

BNA_M

ClientSampleID :

BFB79

Tot Ion:168 Resp: 584957

Ion Ratio Lower Upper

168 100

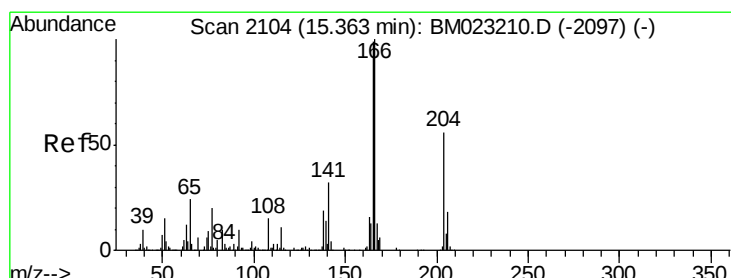
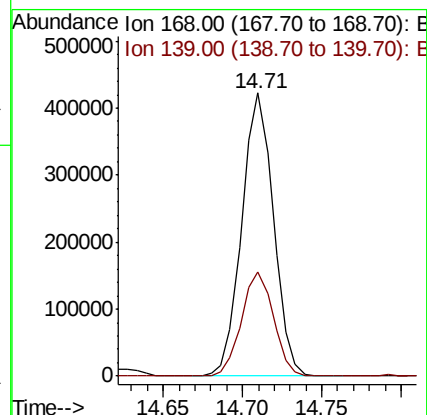
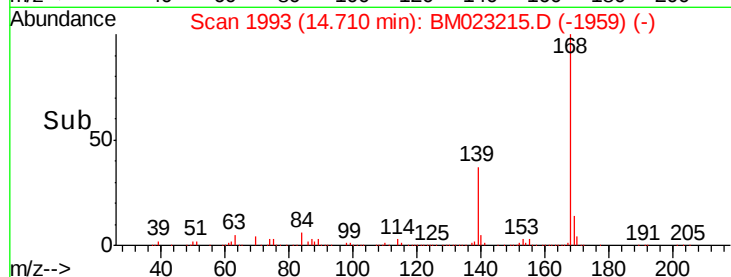
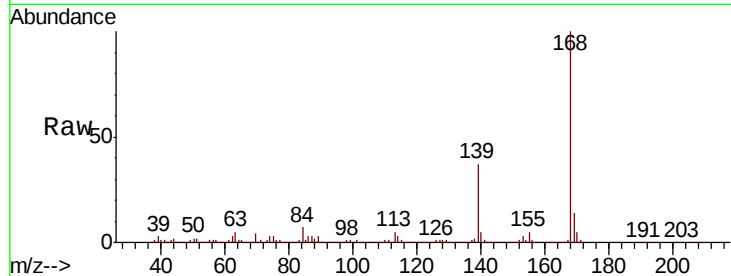
139 36.8 30.1 45.1

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#59

Fluorene

Concen: 10.293 ng/ul

RT: 15.36 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

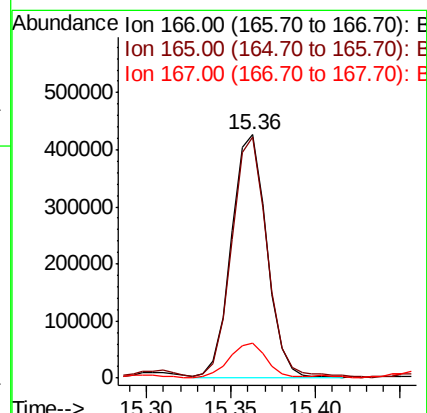
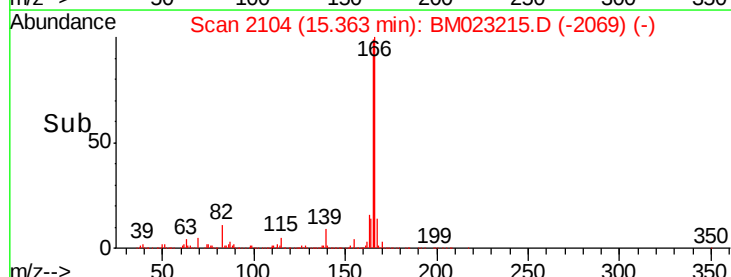
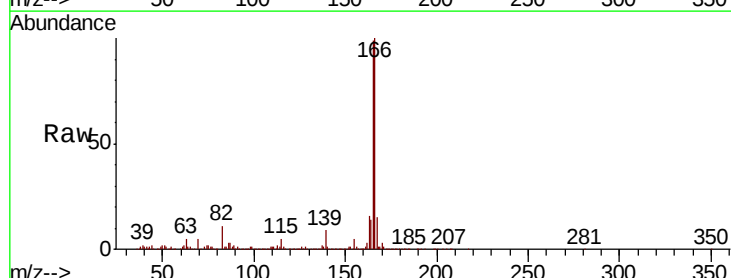
Tgt Ion:166 Resp: 615155

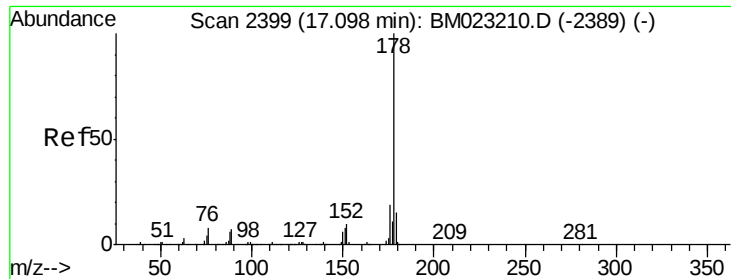
Ion Ratio Lower Upper

166 100

165 99.1 77.4 116.0

167 14.6 10.8 16.2





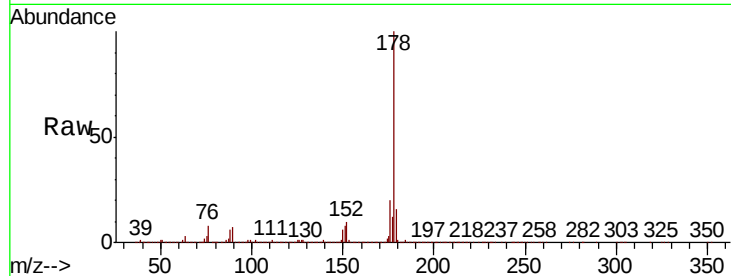
#70
Phenanthrene
Concen: 121.591 ng/ul
RT: 17.10 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

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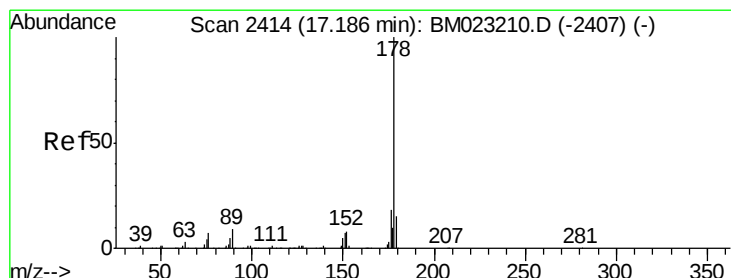
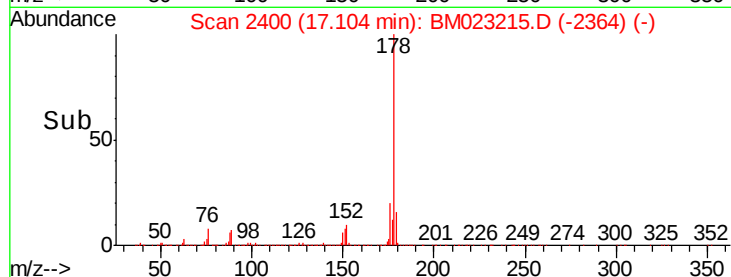
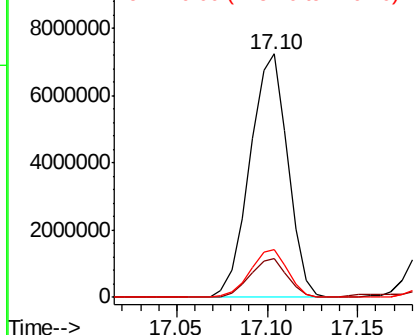
Tot Ion:178 Resp:10469905
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 19.8 15.5 23.3

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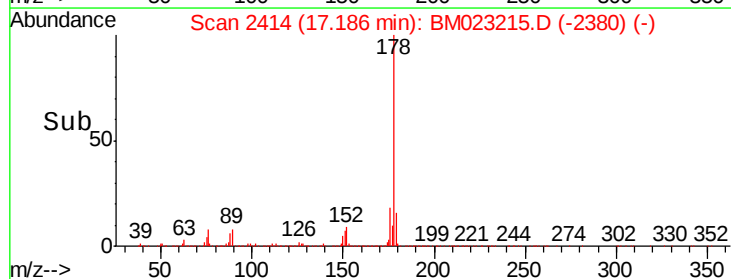
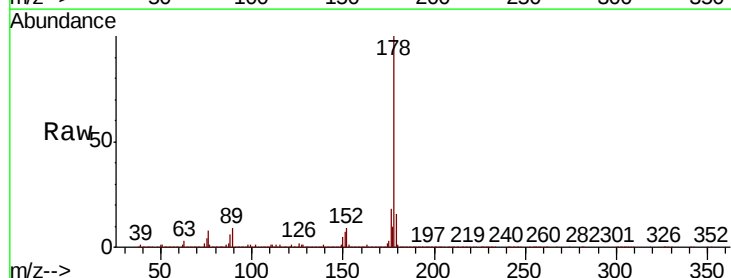
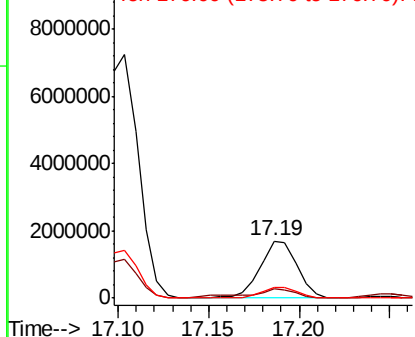
Abundance Ion 178.00 (177.70 to 178.70): E
1e+07 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

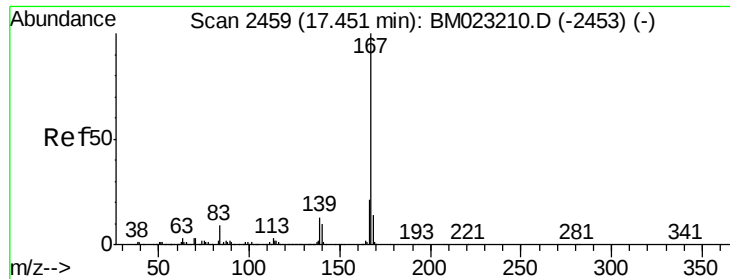


#72
Anthracene
Concen: 27.081 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Tgt Ion:178 Resp: 2409663
Ion Ratio Lower Upper
178 100
179 15.7 12.3 18.5
176 18.4 15.0 22.4

Abundance Ion 178.00 (177.70 to 178.70): E
1e+07 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





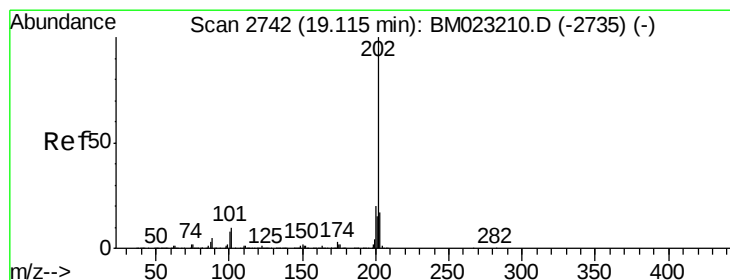
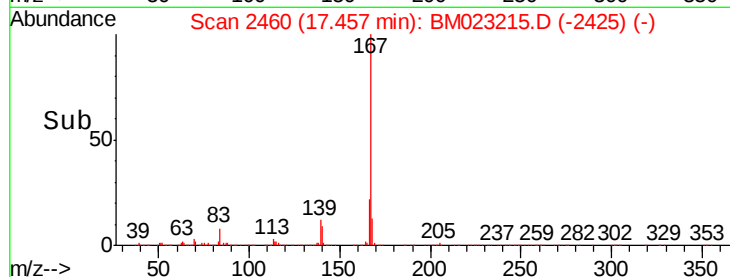
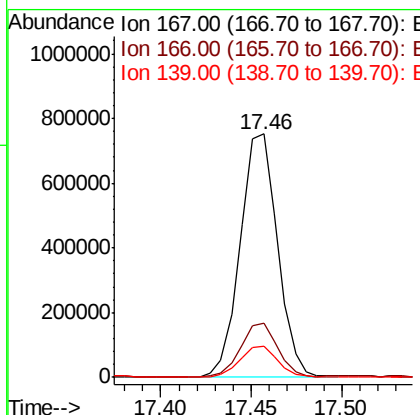
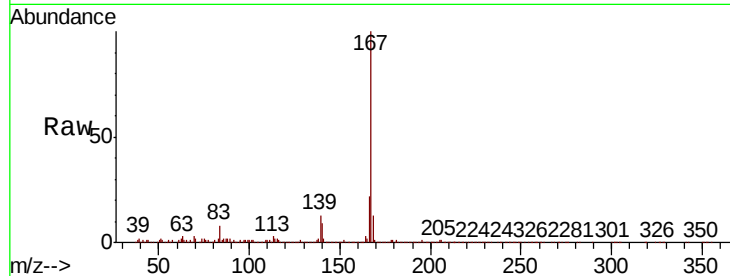
#75
 Carbazole
 Concen: 13.504 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.01 min
 Lab File: BM023215.D
 Acq: 17 Oct 2019 11:02

Instrument :
 BNA_M
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 BFB79

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	12.6	10.2	15.2

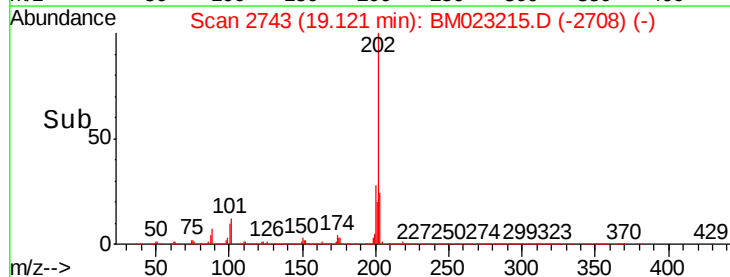
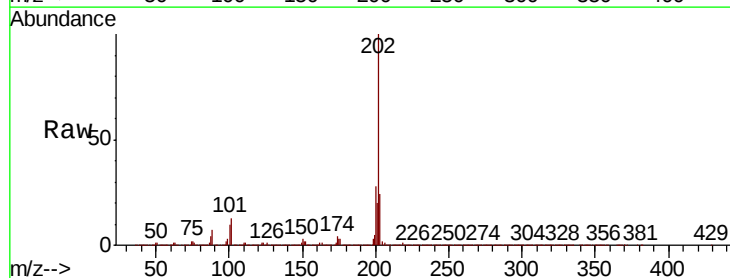
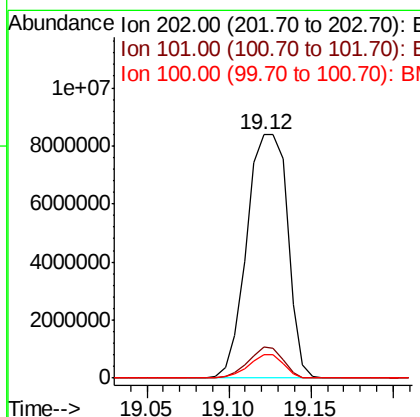
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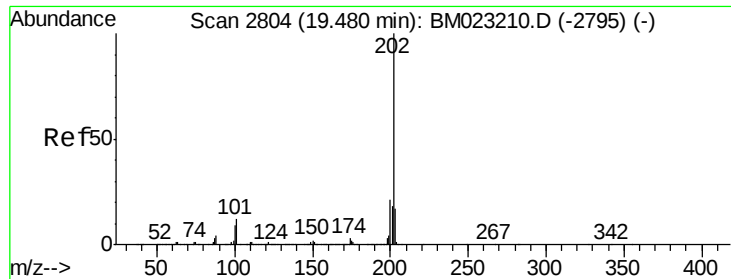
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#77
 Fluoranthene
 Concen: 140.722 ng/ul m
 RT: 19.12 min Scan# 2743
 Delta R.T. 0.01 min
 Lab File: BM023215.D
 Acq: 17 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	7.8	11.8#
100	9.8	6.1	9.1#





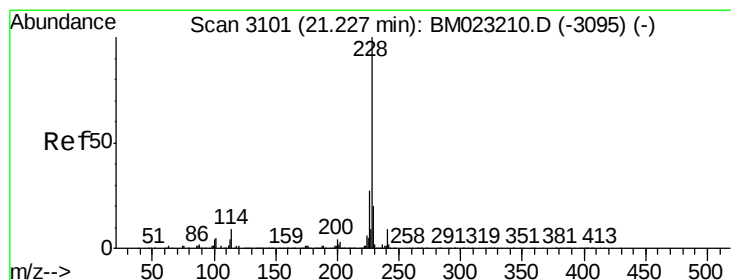
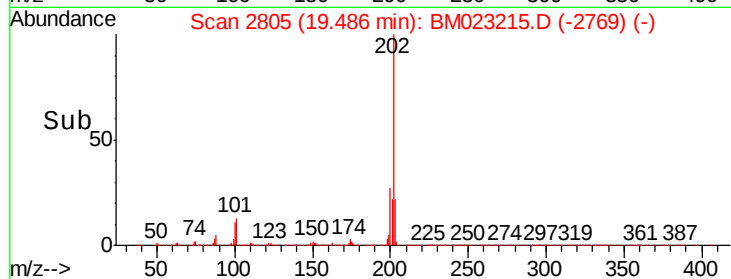
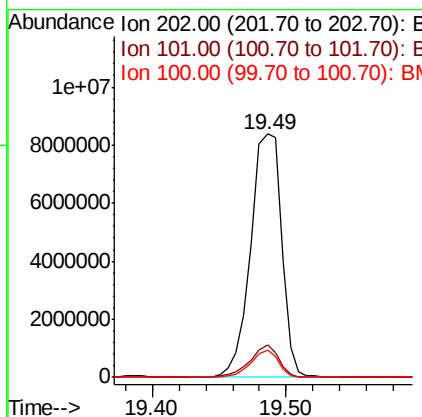
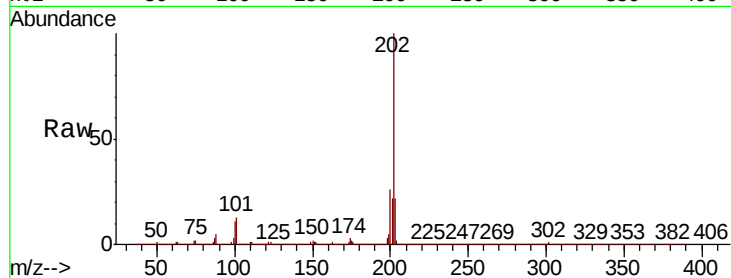
#80
Pvrene
Concen: 137.901 ng/ul
RT: 19.49 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Instrument :
BNA_M
ClientSampleId :
BFB79

Tot Ion:202 Resp:13430123
Ion Ratio Lower Upper
202 100
101 13.3 9.1 13.7
100 11.1 7.5 11.3

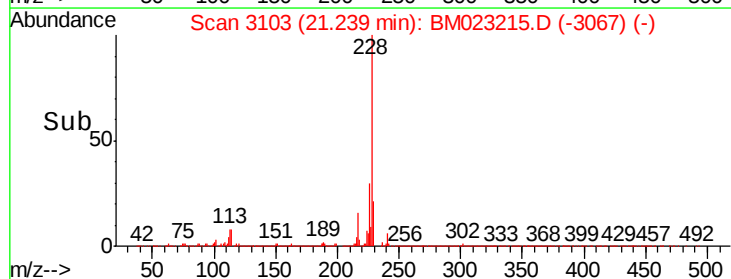
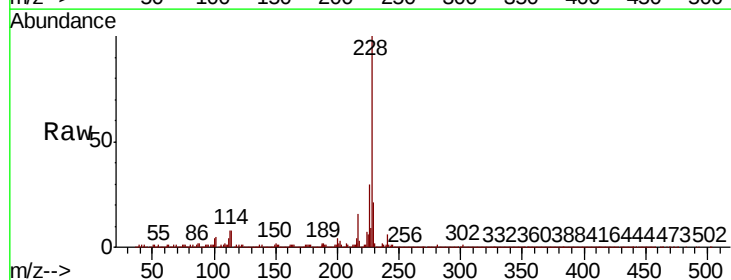
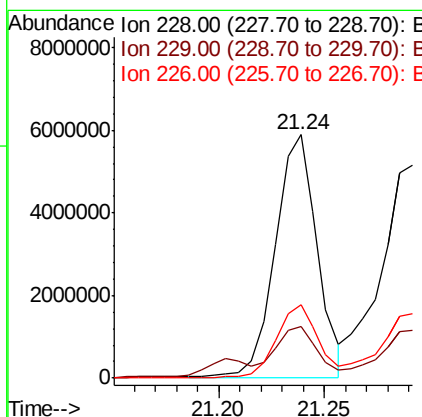
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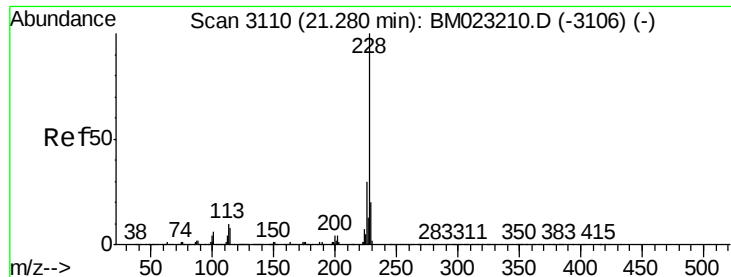
mohammad
10/18/2019 8:27:56 AM



#83
Benzo(a)anthracene
Concen: 77.145 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. 0.01 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Tgt Ion:228 Resp: 8126139
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 30.1 21.6 32.4





#85

Chrysene

Concen: 78.753 ng/ul

RT: 21.29 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Instrument :

BNA_M

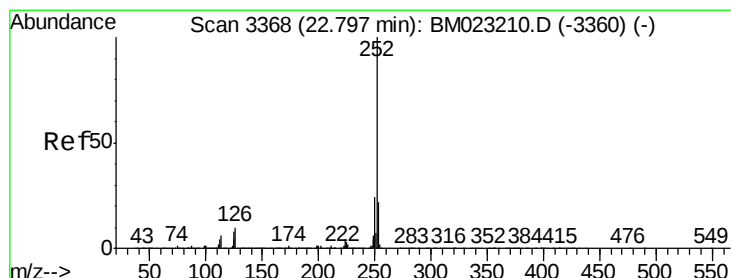
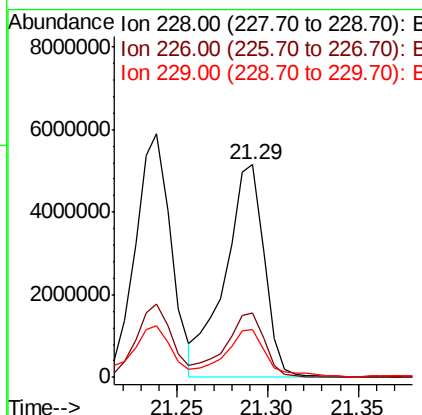
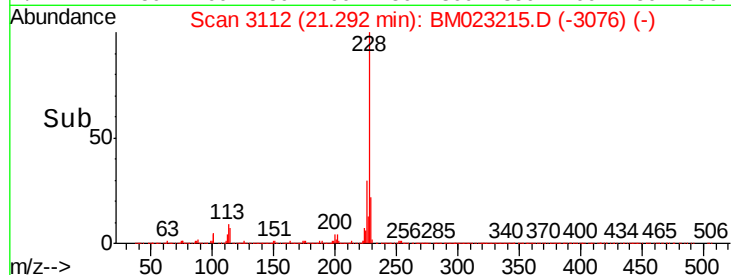
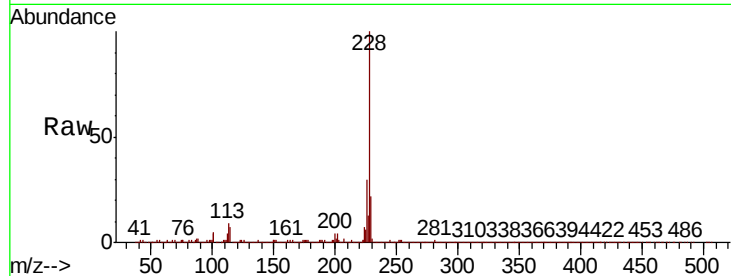
ClientSampleId :

BFB79

Tot Ion:	228	Resp:	7702723
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	22.2	15.5	23.3

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#88

Benzo(b)fluoranthene

Concen: 102.783 ng/ul

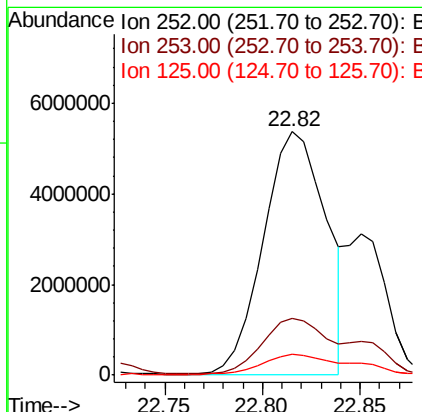
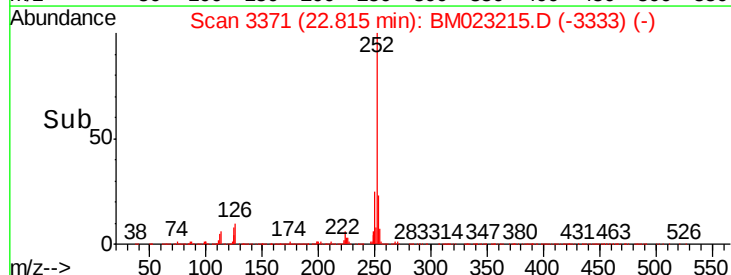
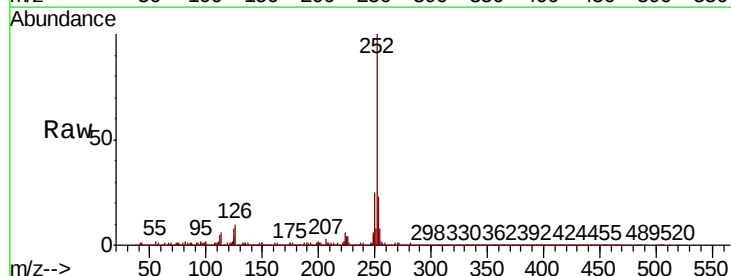
RT: 22.82 min Scan# 3371

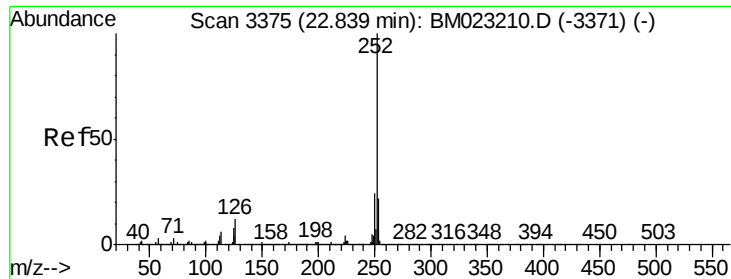
Delta R.T. 0.02 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Tgt Ion:	252	Resp:	11954939
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	8.4	6.4	9.6





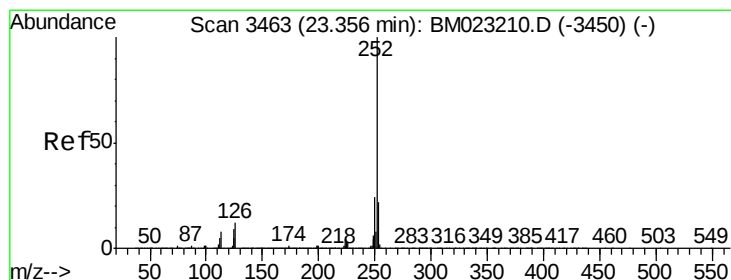
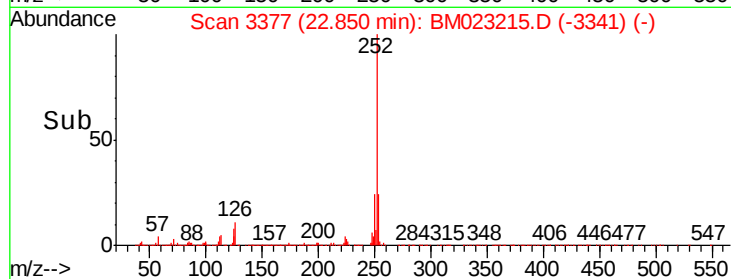
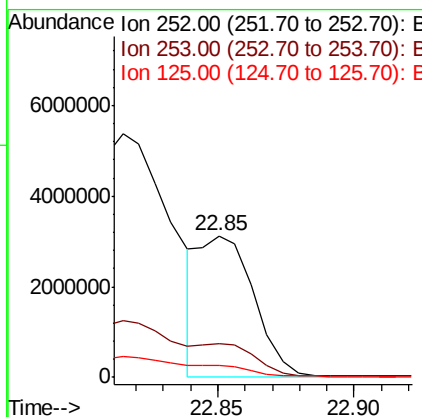
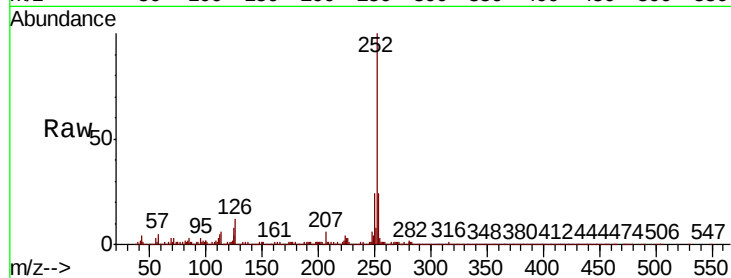
#89
Benzo(k)fluoranthene
Concen: 39.251 ng/ul m
RT: 22.85 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Instrument :
BNA_M
ClientSampleId :
BFB79

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	8.3	6.5	9.7

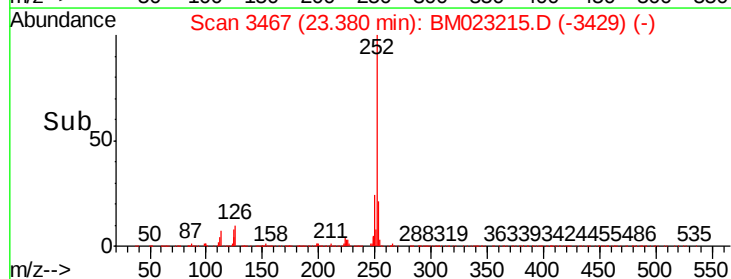
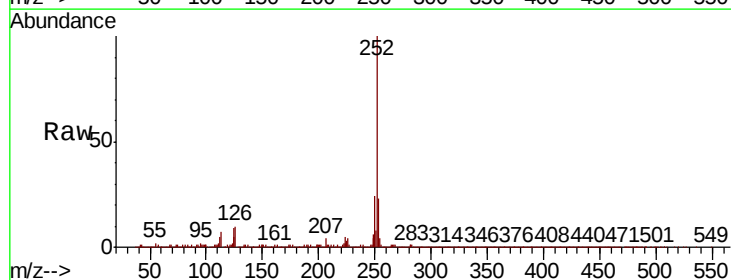
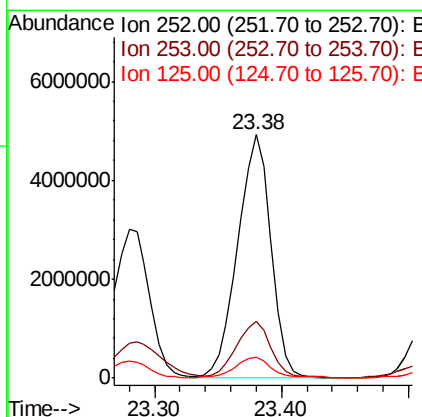
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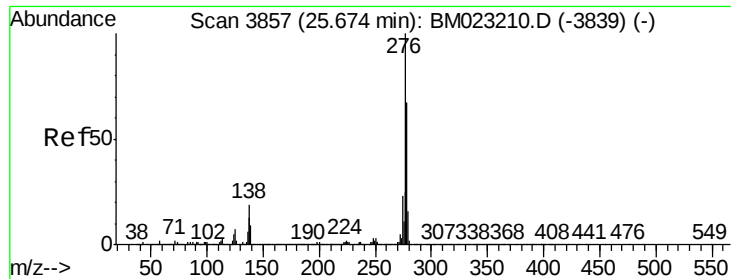
mohammad
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#91
Benzo(a)pyrene
Concen: 79.604 ng/ul
RT: 23.38 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	8.6	7.4	11.0





#92

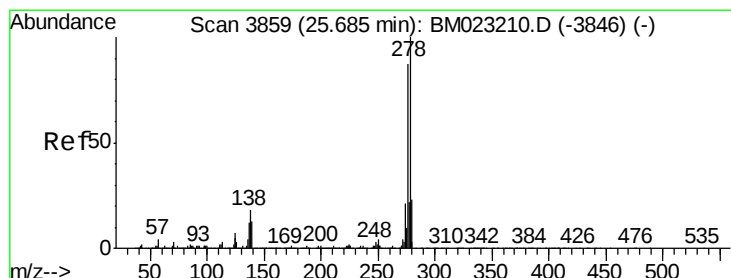
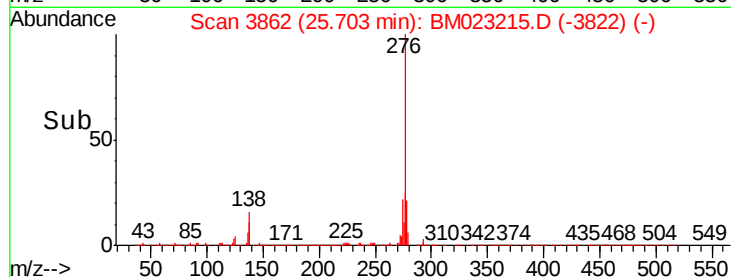
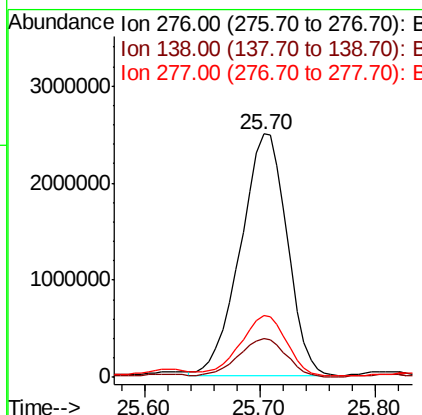
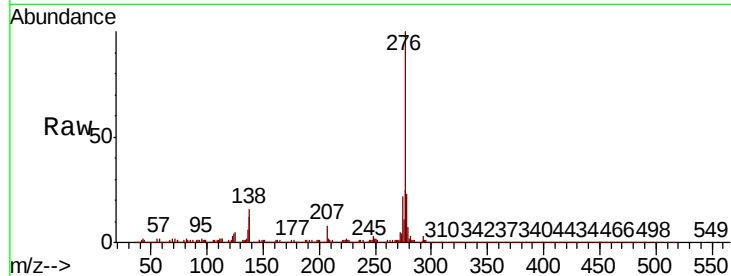
Indeno(1,2,3-cd)pyrene
Concen: 52.599 ng/ul
RT: 25.70 min Scan# 3862
Delta R.T. 0.04 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Instrument :
BNA_M
ClientSampleId :
BFB79

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.9	22.3
277	25.2	19.8	29.8

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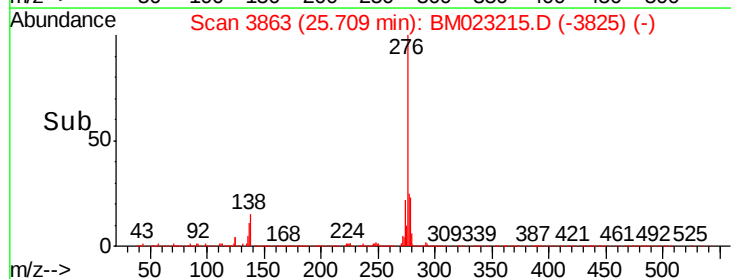
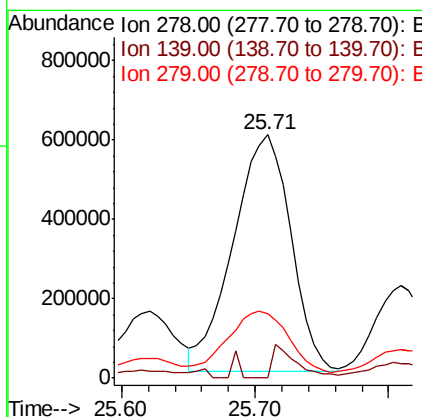
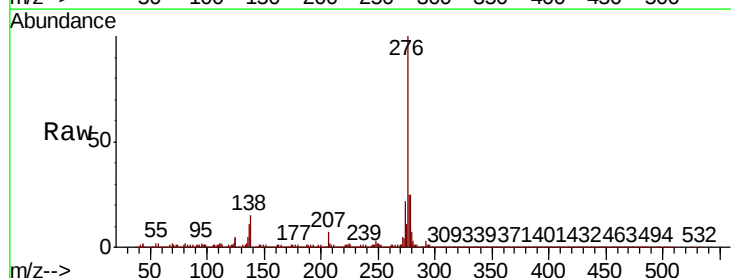
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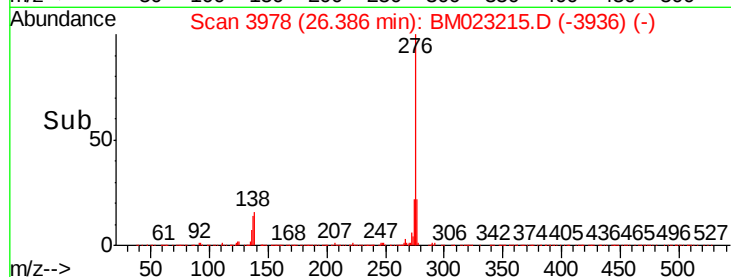
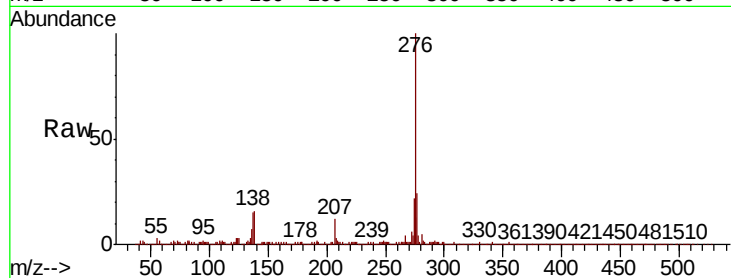
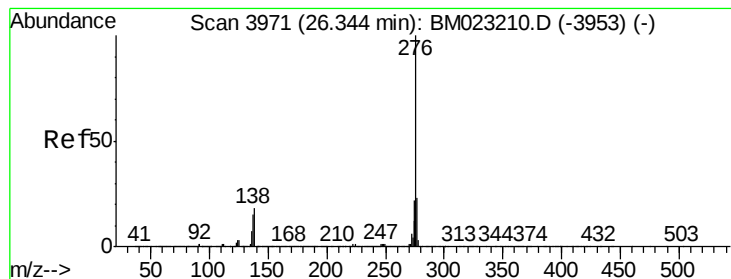


#93

Dibenzo(a,h)anthracene
Concen: 16.155 ng/ul
RT: 25.71 min Scan# 3863
Delta R.T. 0.02 min
Lab File: BM023215.D
Acq: 17 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	26.7	19.4	29.0





#94

Benzo(a,h,i)perylene

Concen: 44.419 ng/ul

RT: 26.39 min Scan# 3978

Delta R.T. 0.05 min

Lab File: BM023215.D

Acq: 17 Oct 2019 11:02

Instrument :

BNA_M

ClientSampleId :

BFB79

Tot Ion:276 Resp: 4854986

Ion Ratio Lower Upper

276 100

138 16.3 14.4 21.6

277 24.4 19.4 29.2

Manual Integrations

APPROVED

mohammad

10/18/2019 8:27:56 AM

