

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
 Data File : BM023207.D
 Acq On : 17 Oct 2019 01:09
 Operator : JU
 Sample : K5262-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BFB75

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:27:40 AM

Quant Time: Oct 17 06:56:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 17 04:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	472823	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1828131	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	1035737	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.06	188	1928259	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	1869234	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2320089	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	30323	2.82	ng/uL	0.00
5) Phenol-d5	6.83	99	527121	12.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	327894	14.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	446262	14.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	406590	12.29	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	210491	17.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	219050	18.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	433640	14.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	210494	5.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	1288484	16.23	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1492384	16.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	121414	9.45	ng/ul	0.00
58) Fluorene-d10	15.30	176	1071315	15.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	69830	9.13	ng/ul	0.00
71) Anthracene-d10	17.15	188	1560700	16.79	ng/ul	0.00
79) Pyrene-d10	19.45	212	1620083	17.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	1957734	16.65	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	108045	2.544	ng/ul 98
21) Isophorone	9.38	82	148681	2.092	ng/ul# 97
28) Naphthalene	10.49	128	308194	3.262	ng/ul 96
34) 2-Methylnaphthalene	12.12	142	121814	1.732	ng/ul 96
45) Dimethylphthalate	13.77	163	432818	5.448	ng/ul 99
48) Acenaphthylene	14.03	152	531268	5.582	ng/ul 100
50) Acenaphthene	14.37	153	140523	2.120	ng/ul 99
59) Fluorene	15.36	166	139495	1.807	ng/ul 98
70) Phenanthrene	17.10	178	2054176	18.982	ng/ul 99
72) Anthracene	17.19	178	537283	4.805	ng/ul 99
75) Carbazole	17.45	167	156899	1.571	ng/ul 97
76) Di-n-butylphthalate	18.04	149	222343	1.870	ng/ul 97
77) Fluoranthene	19.12	202	2974258	23.110	ng/ul 99
80) Pyrene	19.48	202	3021223	25.800	ng/ul 99
81) Butylbenzylphthalate	20.40	149	122585	3.010	ng/ul 98
83) Benzo(a)anthracene	21.23	228	1721502m	13.592	ng/ul
84) Bis(2-ethylhexyl)phthalate	21.20	149	967694	14.943	ng/ul 98
85) Chrysene	21.29	228	1944491	16.534	ng/ul 96
88) Benzo(b)fluoranthene	22.80	252	2782823	19.783	ng/ul# 97
89) Benzo(k)fluoranthene	22.84	252	824257m	6.102	ng/ul
91) Benzo(a)pyrene	23.37	252	2171622	16.091	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.68	276	1740963	10.844	ng/ul 98
93) Dibenzo(a,h)anthracene	25.69	278	493527	3.676	ng/ul# 90

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BFB75

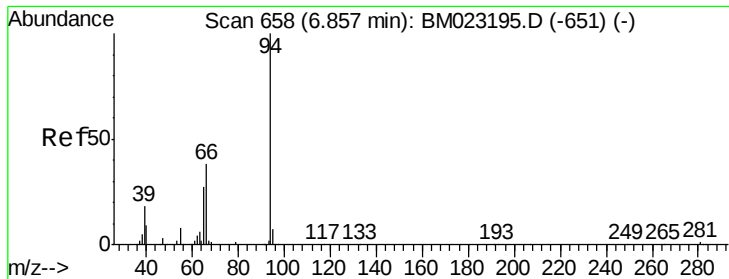
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Quant Time: Oct 17 06:56:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 17 04:31:06 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.36	276	1847339	13.975	ng/ul	99

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



#6

Phenol

Concen: 2.544 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Instrument :

BNA_M

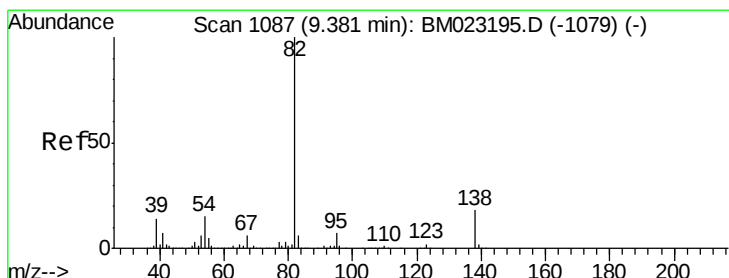
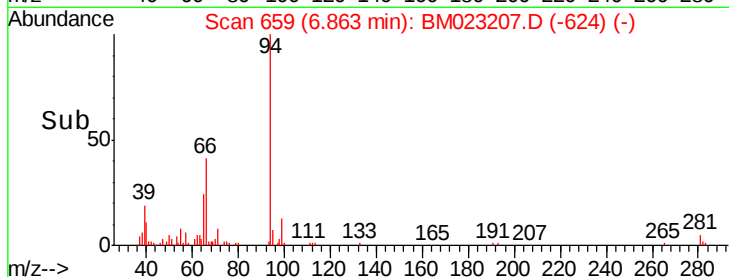
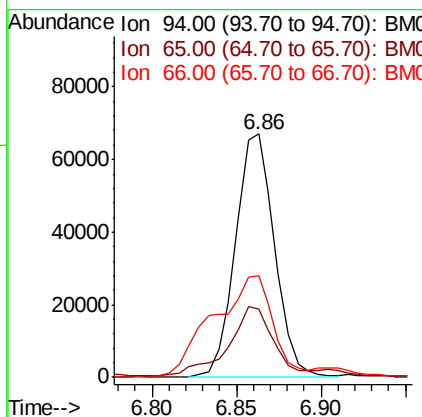
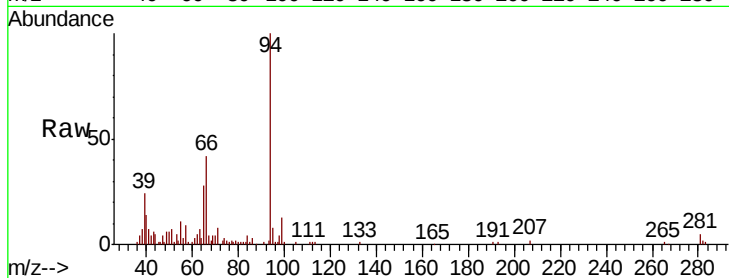
ClientSampleId :

BFB75

Tot Ion:	94	Resp:	108045
Ion Ratio		Lower	Upper
94	100		
65	28.0	23.7	35.5
66	41.8	32.9	49.3

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#21

Isophorone

Concen: 2.092 ng/ul

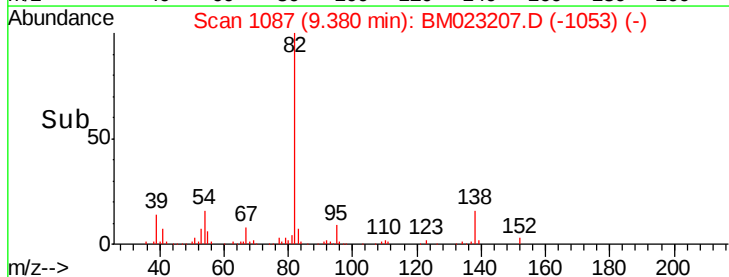
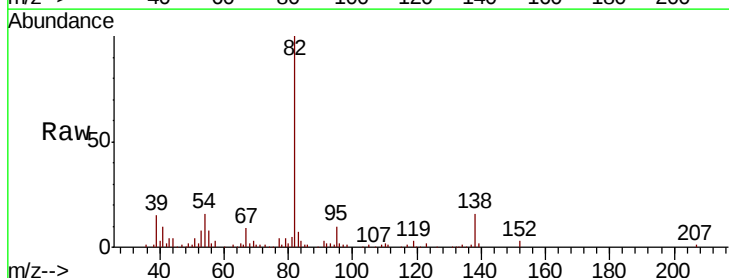
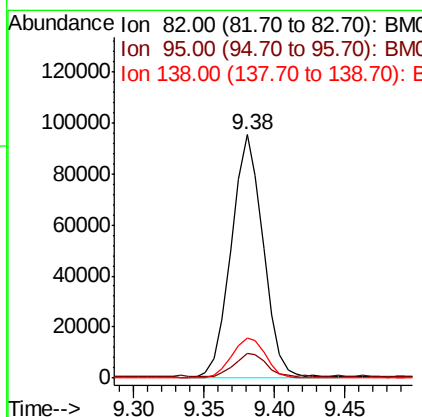
RT: 9.38 min Scan# 1087

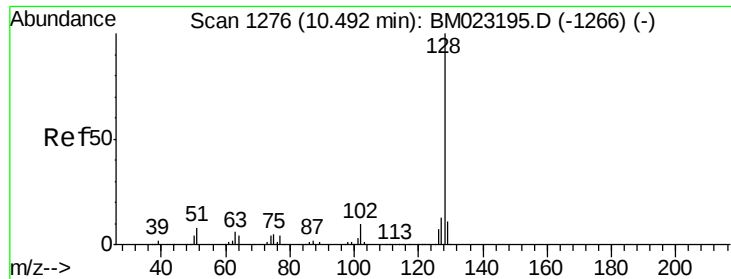
Delta R.T. -0.00 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Tgt Ion:	82	Resp:	148681
Ion Ratio		Lower	Upper
82	100		
95	10.0	6.2	9.4#
138	16.3	13.8	20.8





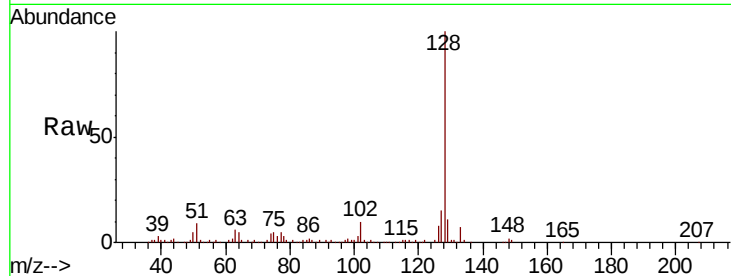
#28
Naphthalene
Concen: 3.262 ng/ul
RT: 10.49 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
BNA_M
ClientSampled :
BFB75

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.3	12.5
127	14.8	10.2	15.4

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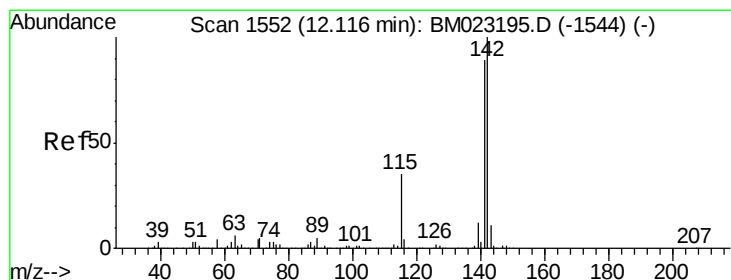
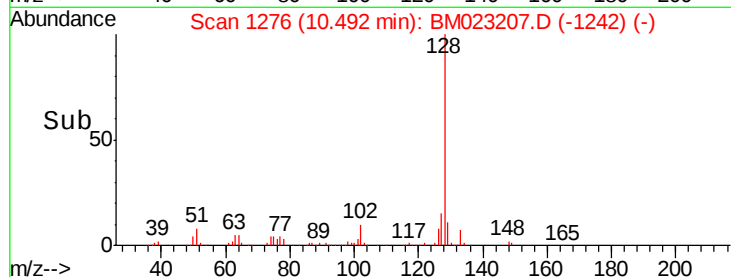
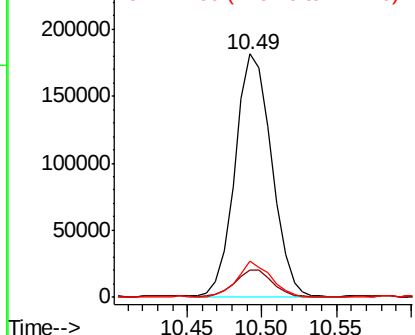


Abundance

Ion 128.00 (127.70 to 128.70): E

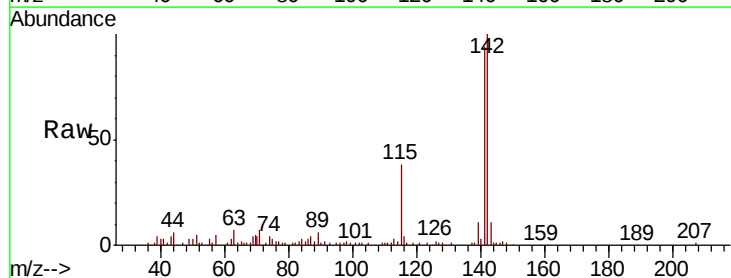
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 1.732 ng/ul
RT: 12.12 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

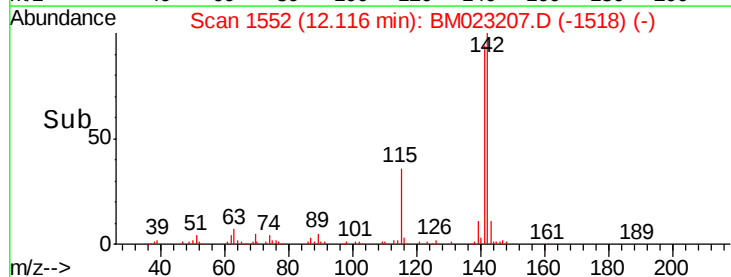
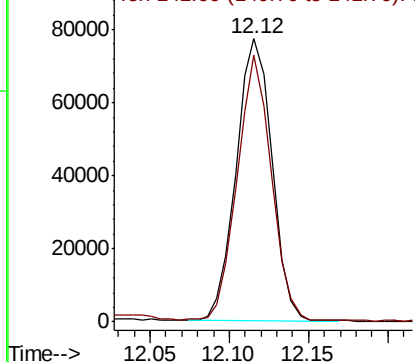
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.1	108.1

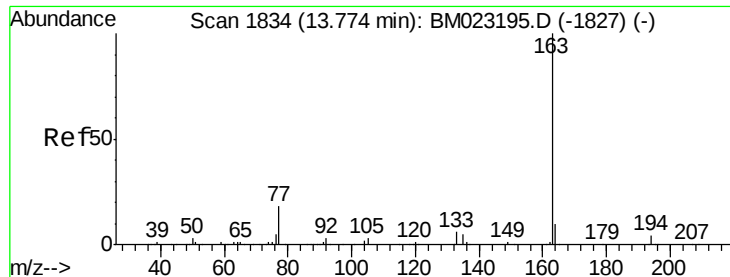


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





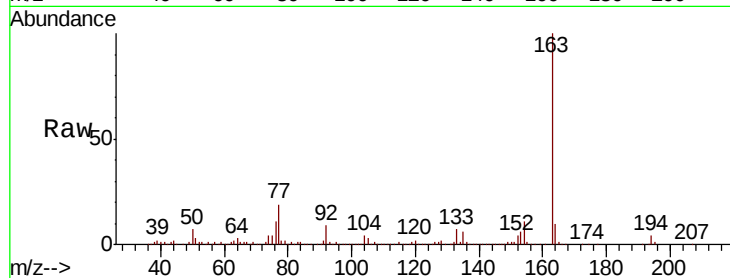
#45
Dimethylphthalate
Concen: 5.448 ng/ul
RT: 13.77 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
BNA_M
ClientSampleId :
BFB75

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	10.3	8.0	12.0

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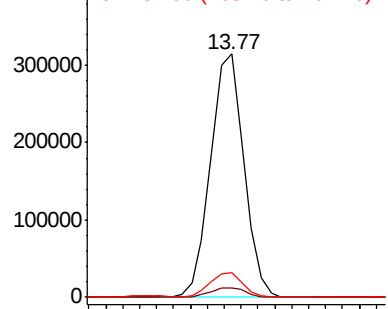


Abundance

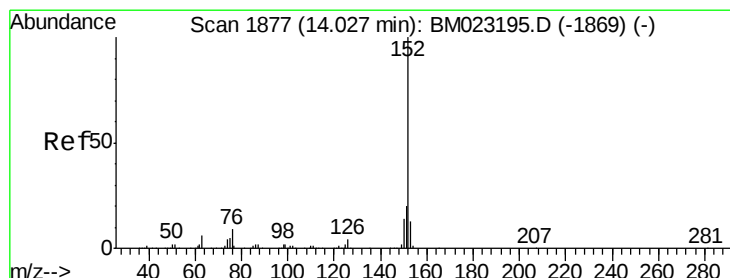
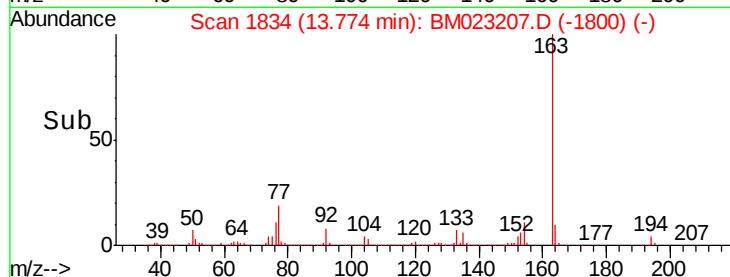
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

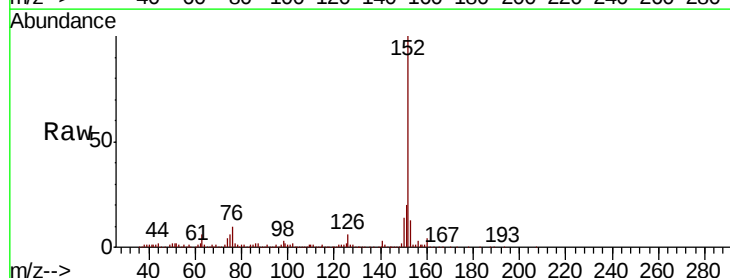


Time--> 13.70 13.75 13.80 13.85



#48
Acenaphthylene
Concen: 5.582 ng/ul
RT: 14.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.8	10.3	15.5

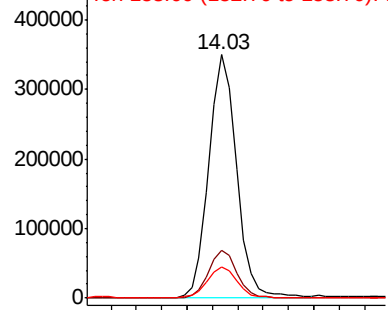


Abundance

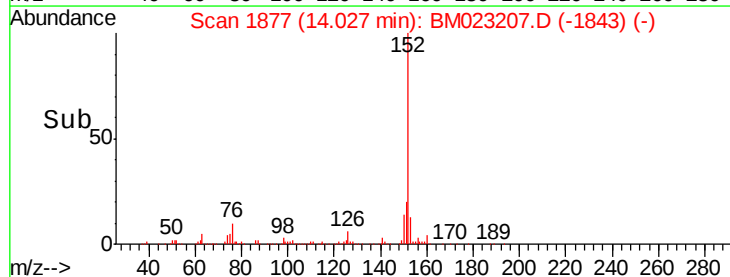
Ion 152.00 (151.70 to 152.70): E

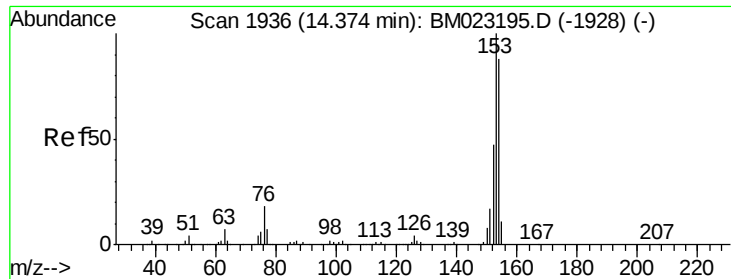
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 14.00 14.10





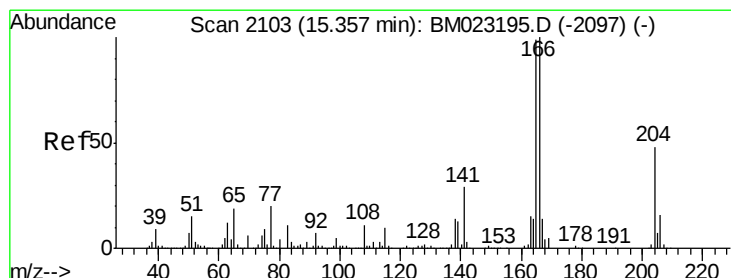
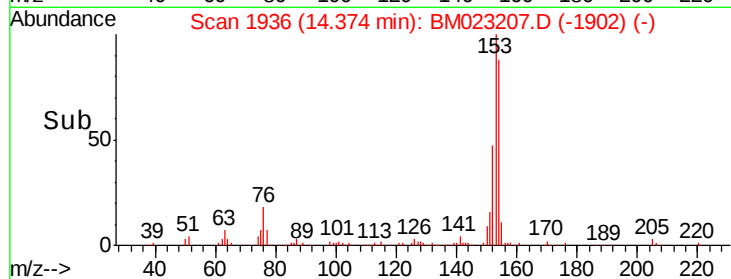
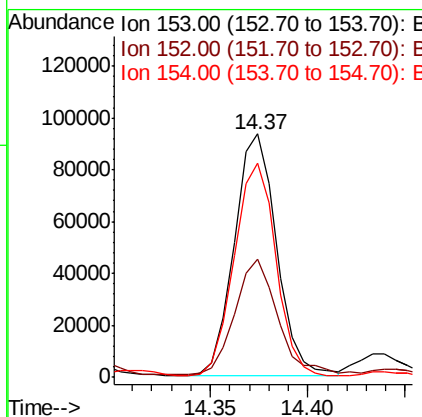
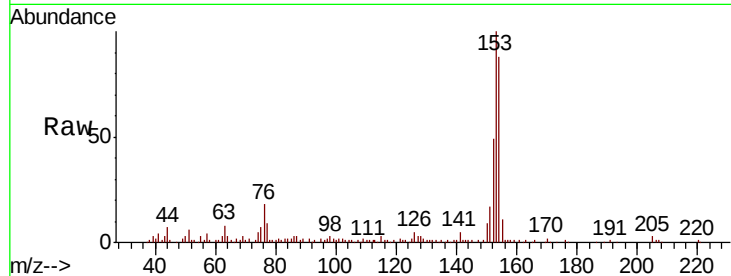
#50
Acenaphthene
Concen: 2.120 ng/ul
RT: 14.37 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
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ClientSampleId :
BFB75

Tot Ion	Ratio	Lower	Upper
153	100		
152	48.6	38.0	57.0
154	87.9	70.4	105.6

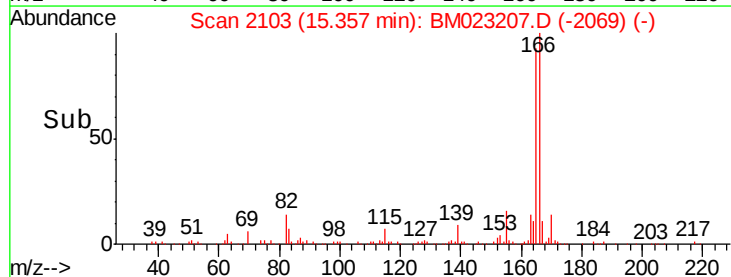
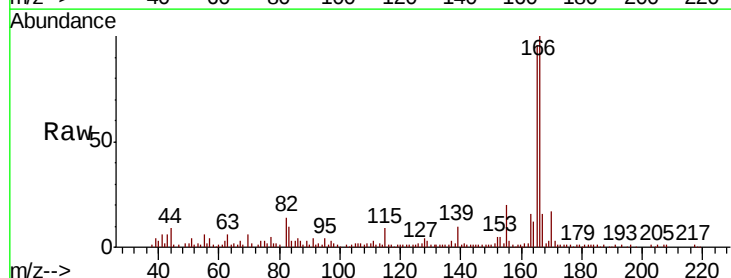
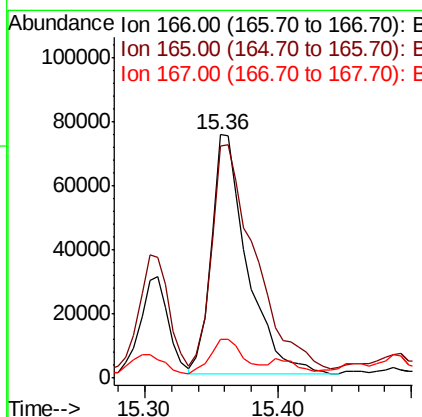
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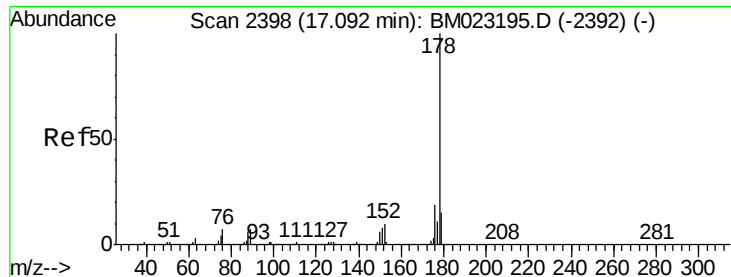
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#59
Fluorene
Concen: 1.807 ng/ul
RT: 15.36 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.4	116.0
167	15.8	10.8	16.2





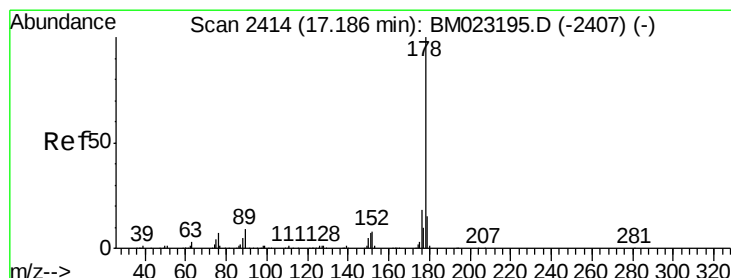
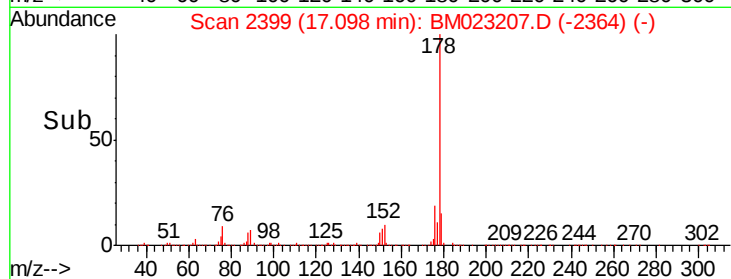
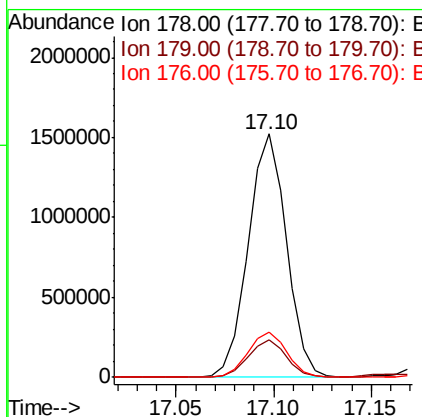
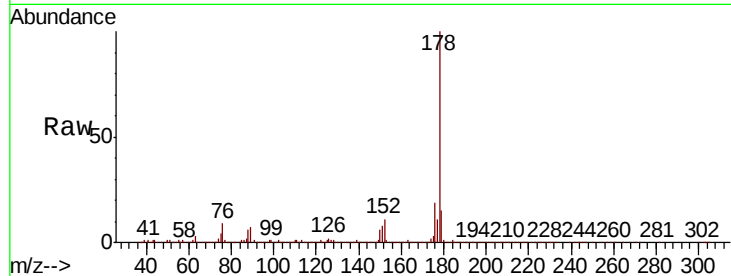
#70
Phenanthrene
Concen: 18.982 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. 0.01 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
BNA_M
ClientSampleId :
BFB75

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.6	15.5	23.3

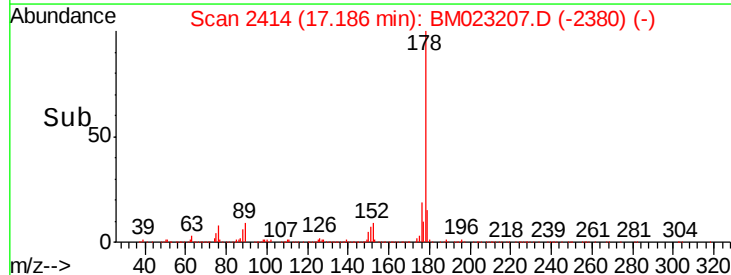
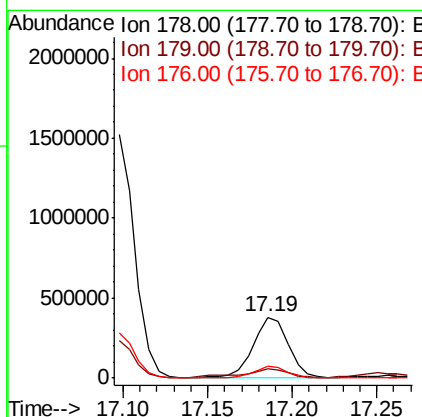
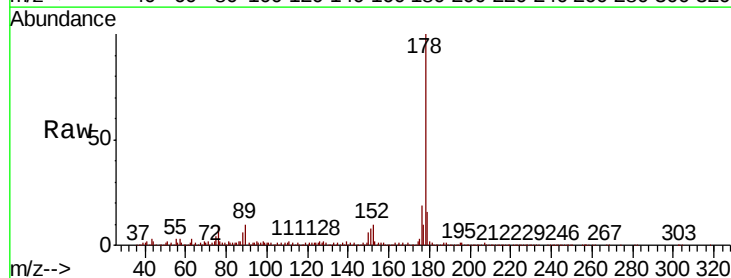
Manual Integrations
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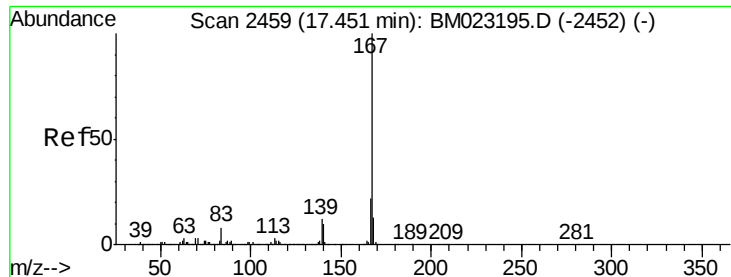
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#72
Anthracene
Concen: 4.805 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.3	15.0	22.4





#75

Carbazole

Concen: 1.571 ng/ul

RT: 17.45 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Instrument :

BNA_M

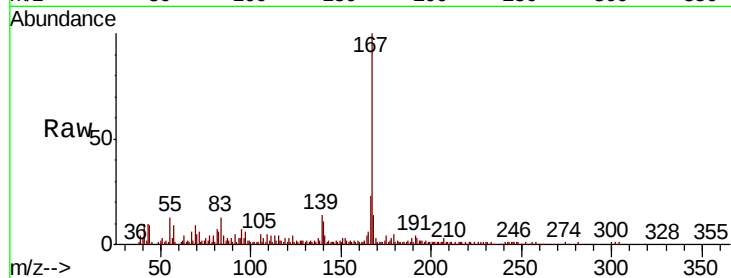
ClientSampleId :

BFB75

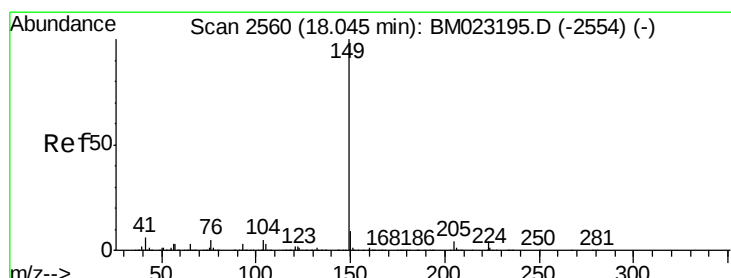
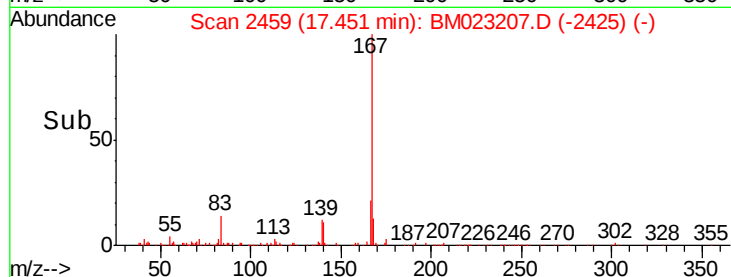
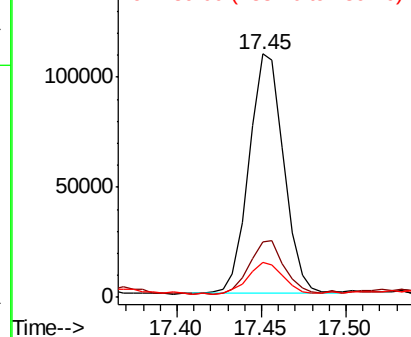
Tot Ion:	167	Resp:	156899
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.4	26.0
139	14.2	10.2	15.2

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Di-n-butylphthalate

Concen: 1.870 ng/ul

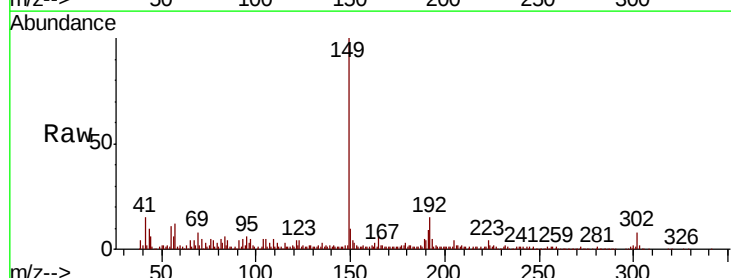
RT: 18.04 min Scan# 2560

Delta R.T. -0.00 min

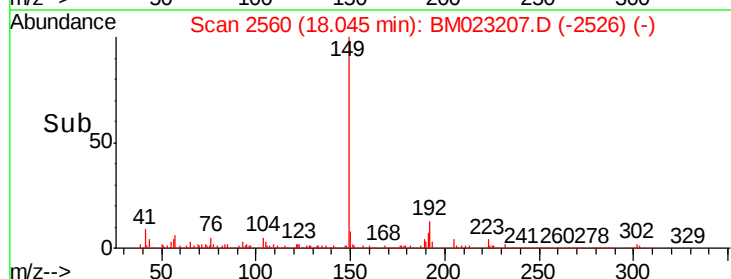
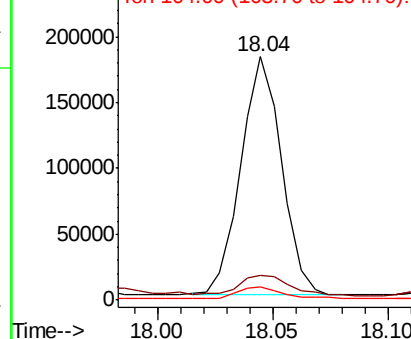
Lab File: BM023207.D

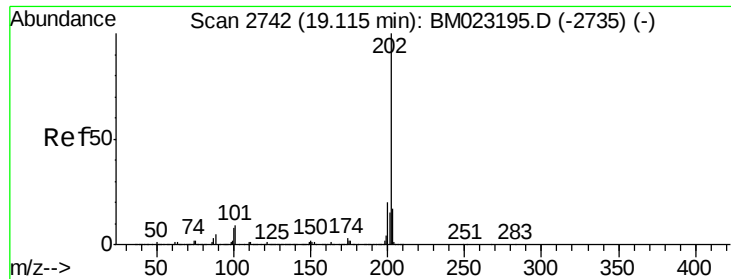
Acq: 17 Oct 2019 01:09

Tgt Ion:	149	Resp:	222343
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.0	10.4
104	5.5	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





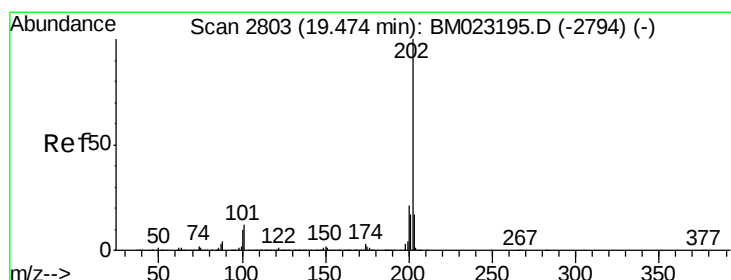
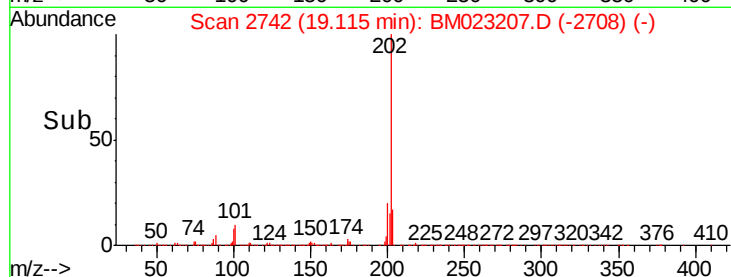
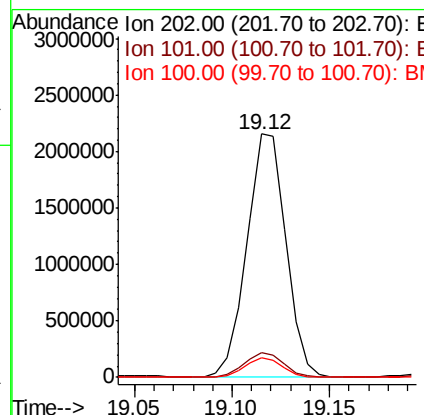
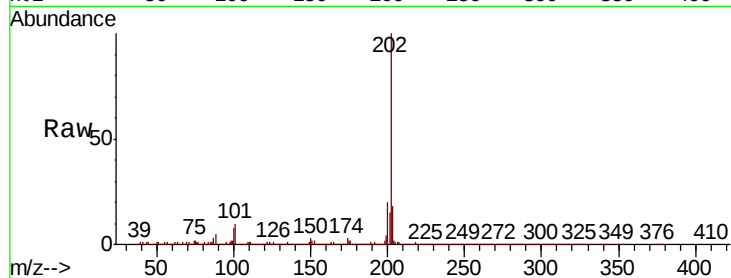
#77
 Fluoranthene
 Concen: 23.110 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: BM023207.D
 Acq: 17 Oct 2019 01:09

Instrument :
 BNA_M
 ClientSampleId :
 BFB75

Tot Ion:	202	Resp:	2974258
Ion Ratio	Lower	Upper	
202	100		
101	10.0	7.8	11.8
100	7.9	6.1	9.1

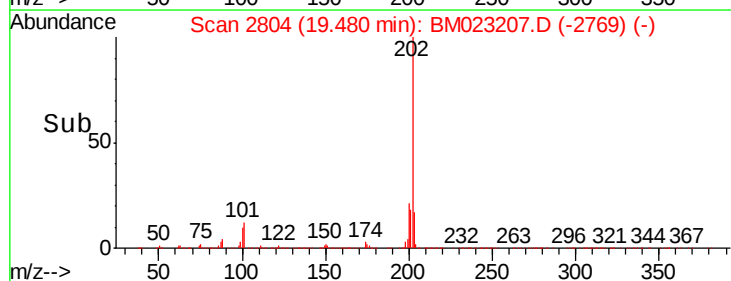
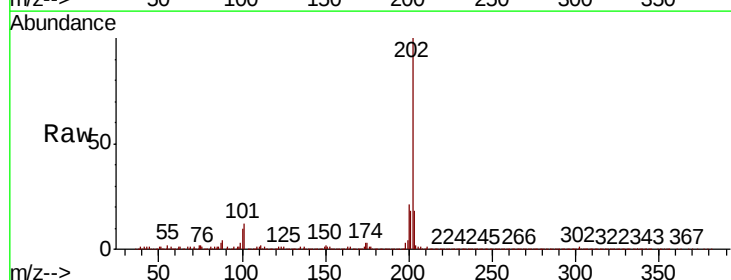
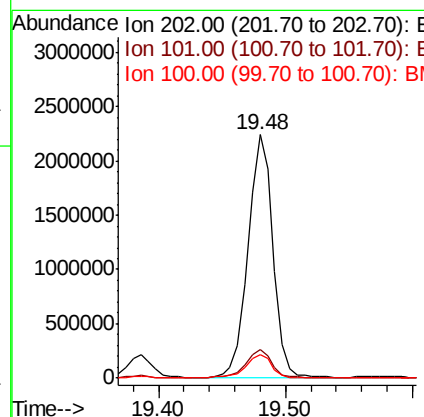
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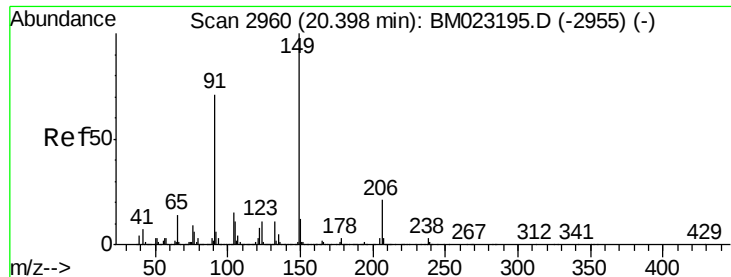
mohammad
 10/18/2019 8:27:40 AM



#80
 Pyrene
 Concen: 25.800 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023207.D
 Acq: 17 Oct 2019 01:09

Tgt Ion:	202	Resp:	3021223
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.1	13.7
100	9.7	7.5	11.3





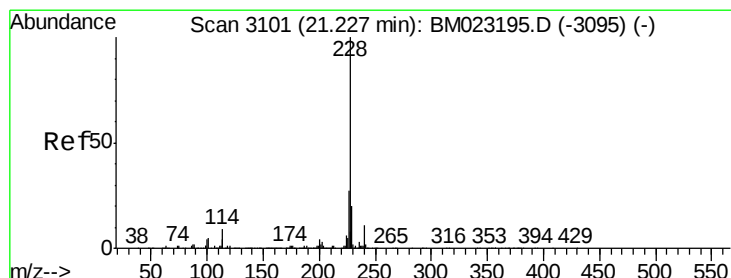
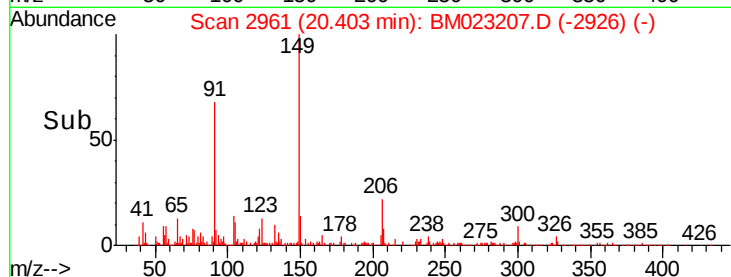
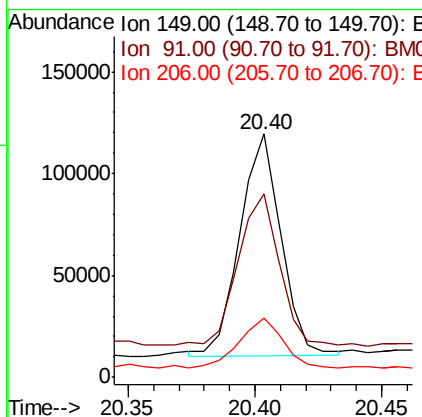
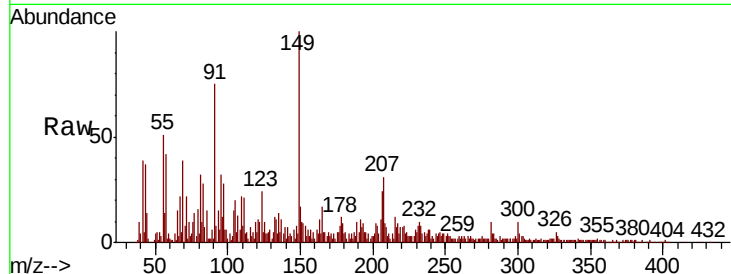
#81
Butylbenzylphthalate
Concen: 3.010 ng/ul
RT: 20.40 min Scan# 2961
Delta R.T. 0.01 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
BNA_M
ClientSampleId :
BFB75

Tot Ion	Ratio	Lower	Upper
149	100		
91	75.4	59.9	89.9
206	24.2	17.1	25.7

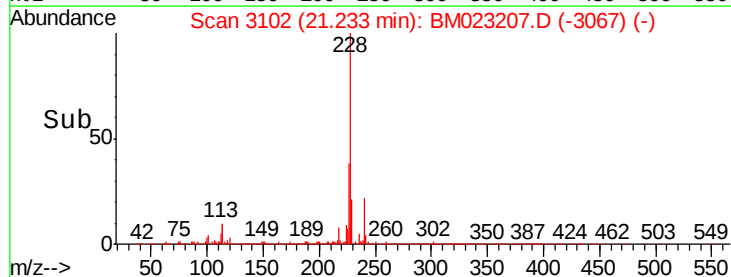
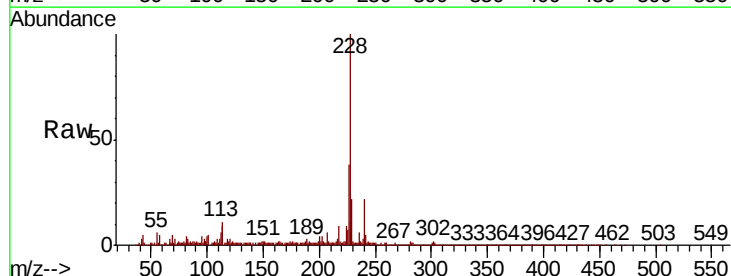
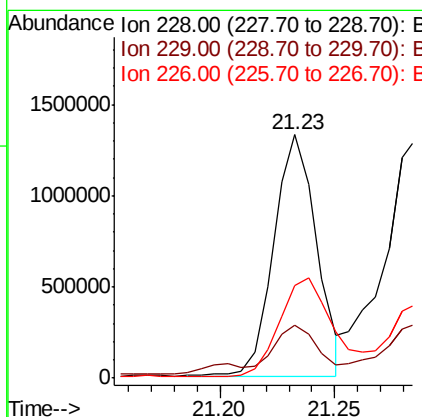
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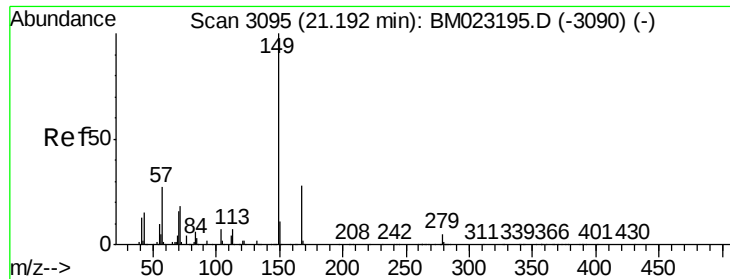
mohammad
10/18/2019 8:27:40 AM



#83
Benzo(a)anthracene
Concen: 13.592 ng/ul m
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	38.2	21.6	32.4





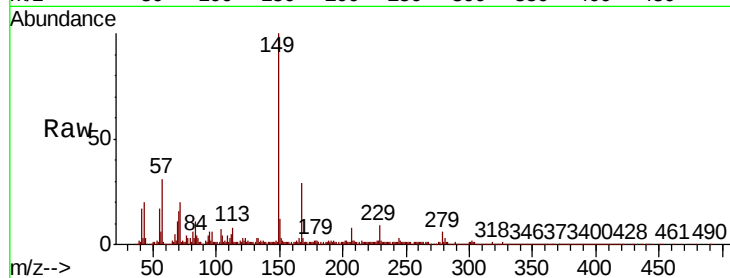
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.943 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM023207.D
 Acq: 17 Oct 2019 01:09

Instrument :
 BNA_M
 ClientSampled :
 BFB75

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.5	33.7
279	5.6	4.0	6.0

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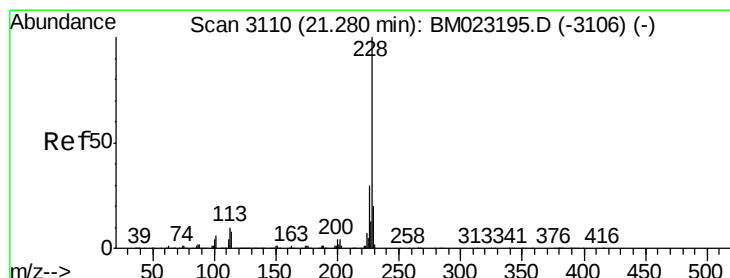
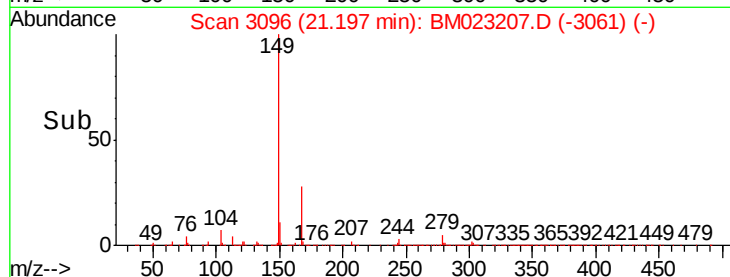
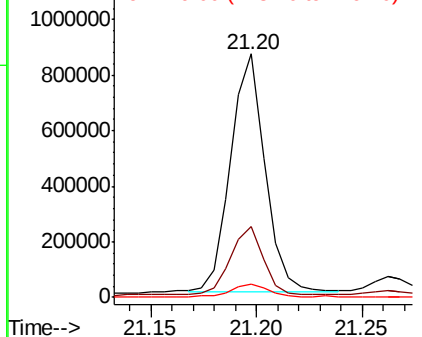


Abundance

Ion 149.00 (148.70 to 149.70): E

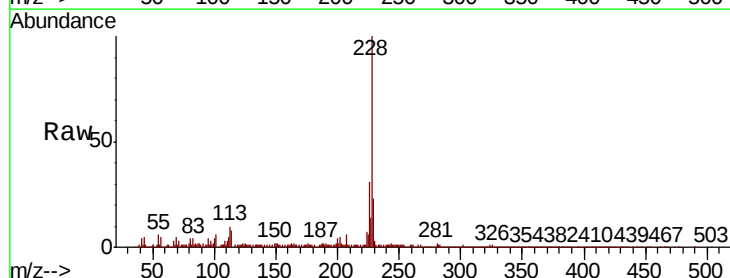
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Chrysene
 Concen: 16.534 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. 0.01 min
 Lab File: BM023207.D
 Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	22.7	15.5	23.3

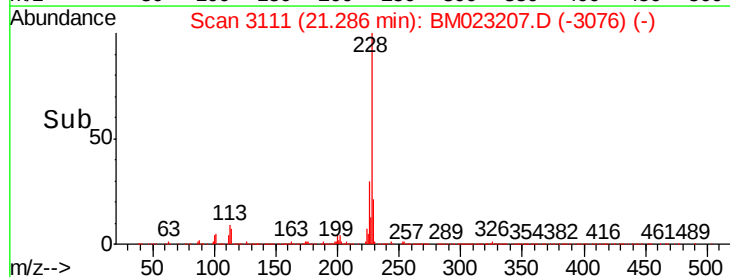
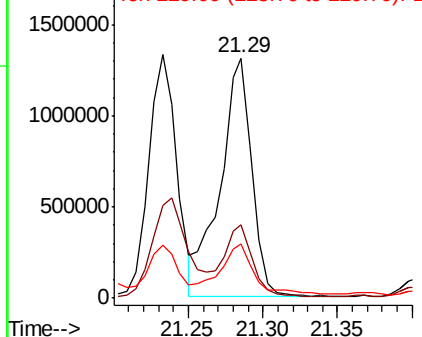


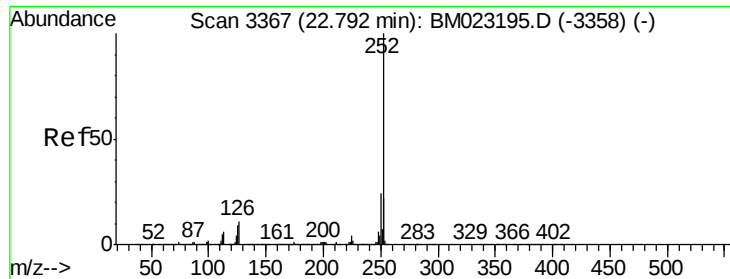
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 19.783 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Instrument :

BNA_M

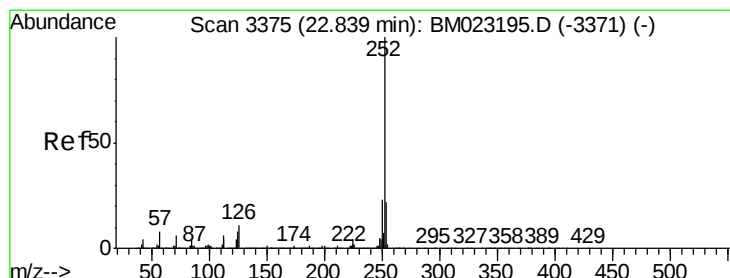
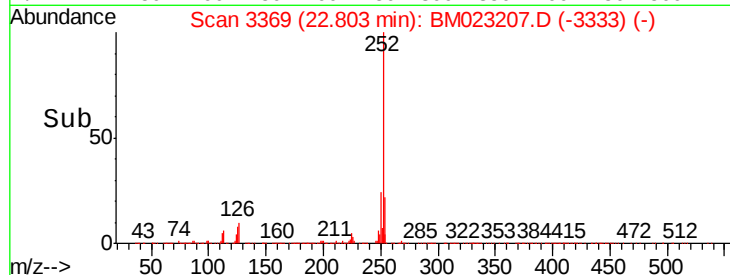
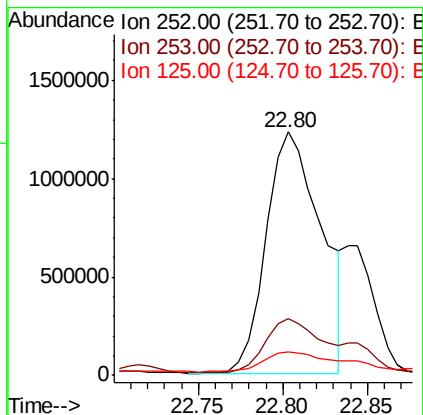
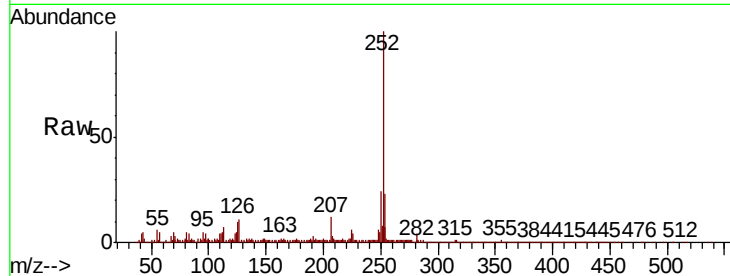
ClientSampleId :

BFB75

Tot Ion:	252	Resp:	2782823
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	9.6	6.4	9.6#

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#89

Benzo(k)fluoranthene

Concen: 6.102 ng/ul m

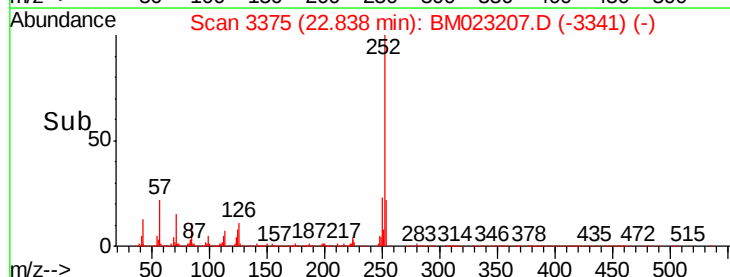
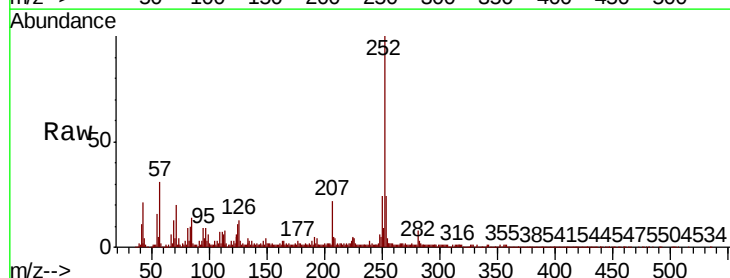
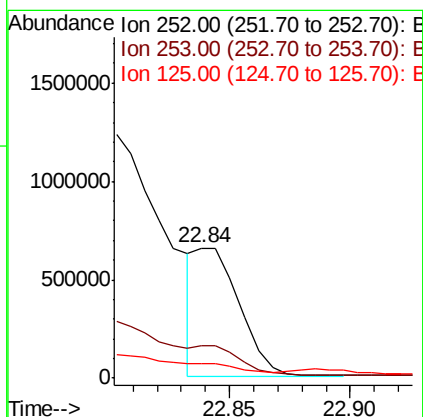
RT: 22.84 min Scan# 3375

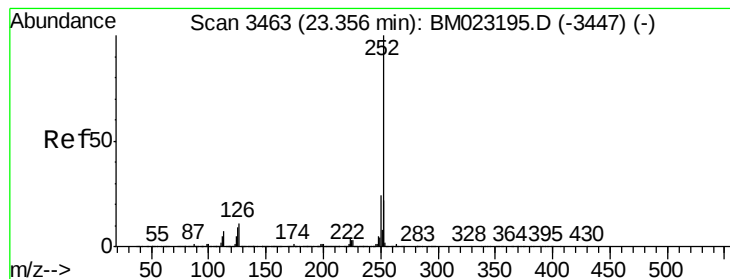
Delta R.T. -0.00 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Tgt Ion:	252	Resp:	824257
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	11.1	6.5	9.7#





#91

Benzo(a)pyrene

Concen: 16.091 ng/ul

RT: 23.37 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

Instrument :

BNA_M

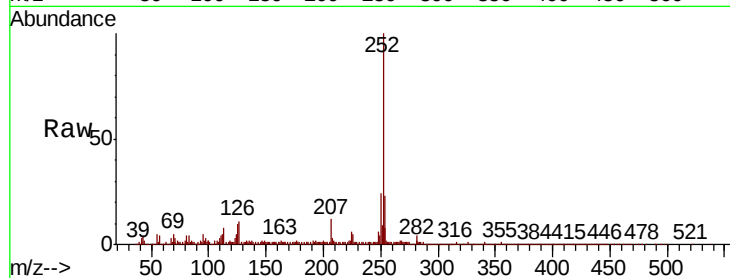
ClientSampleId :

BFB75

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	9.6	7.4	11.0

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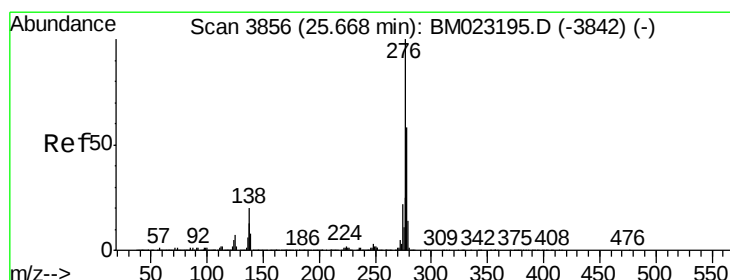
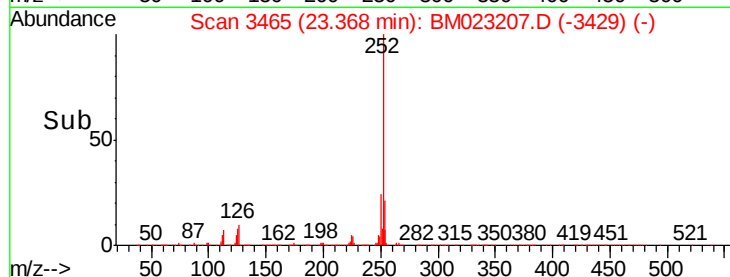
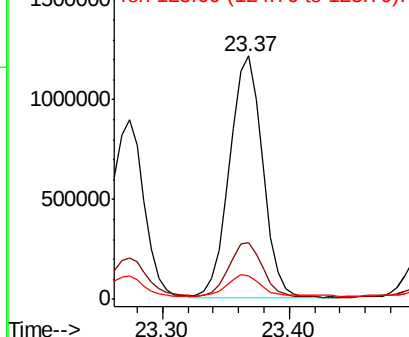


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 10.844 ng/ul

RT: 25.68 min Scan# 3858

Delta R.T. 0.01 min

Lab File: BM023207.D

Acq: 17 Oct 2019 01:09

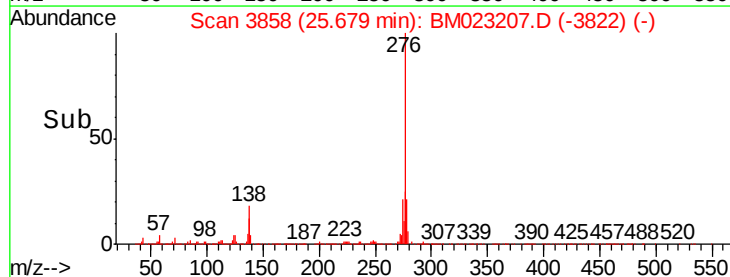
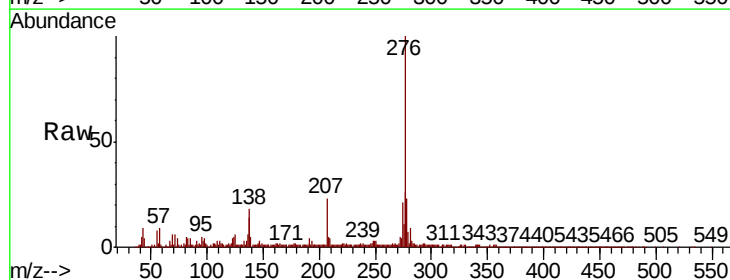
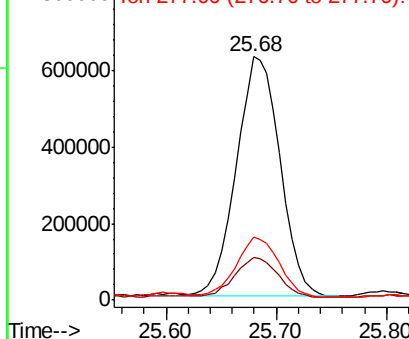
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.9	22.3
277	26.1	19.8	29.8

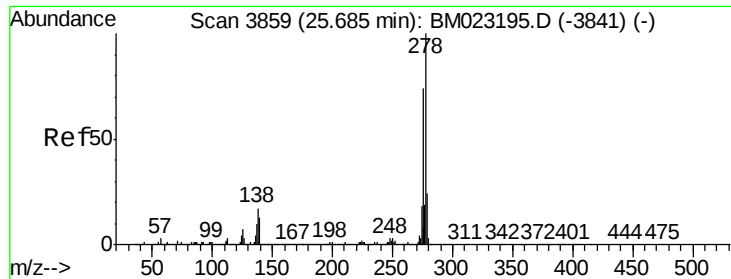
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





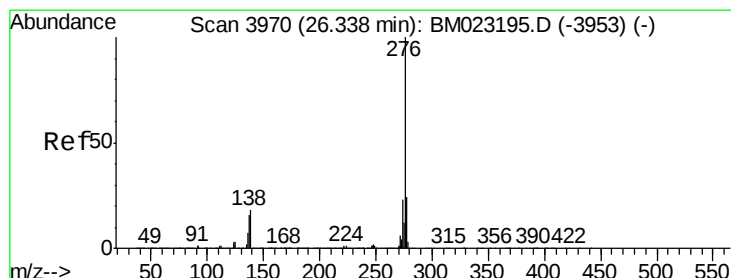
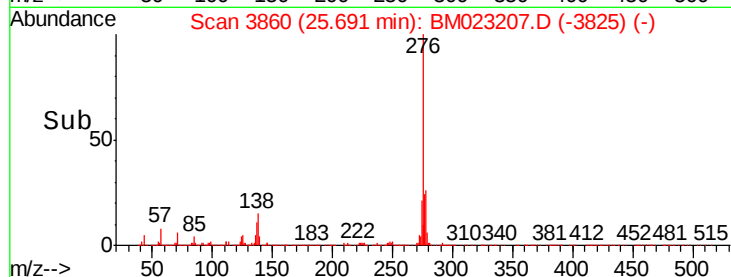
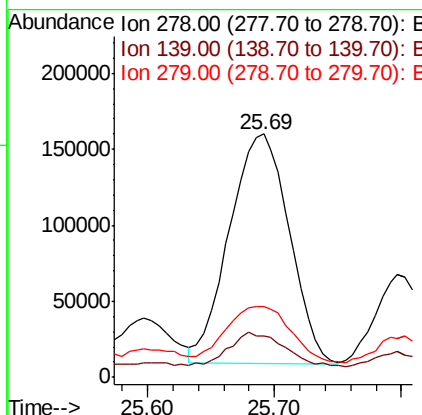
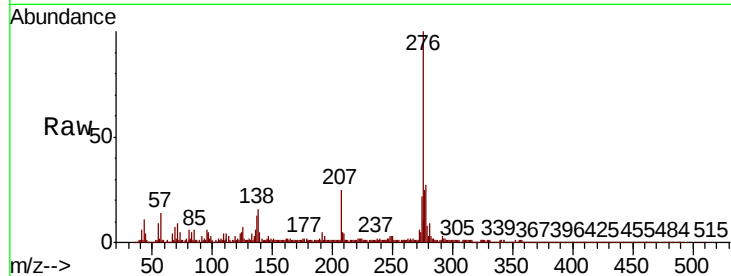
#93
Dibenzo(a,h)anthracene
Concen: 3.676 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. 0.01 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Instrument :
BNA_M
ClientSampleId :
BFB75

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	10.0	15.0#
279	28.9	19.4	29.0

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#94
Benzo(g,h,i)perylene
Concen: 13.975 ng/ul
RT: 26.36 min Scan# 3974
Delta R.T. 0.02 min
Lab File: BM023207.D
Acq: 17 Oct 2019 01:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.4	21.6
277	24.2	19.4	29.2

