

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023263.D
 Acq On : 18 Oct 2019 18:24
 Operator : JU
 Sample : K5345-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOK2

Manual Integrations
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Quant Time: Oct 19 02:06:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 19 01:30:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	420017	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1627005	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	985121	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1940696	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2056061	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2514372	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	25767	2.70	ng/uL	0.00
5) Phenol-d5	6.83	99	466313	12.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	279724	13.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	385774	13.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	366305	12.47	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	183773	16.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	185276	17.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	369628	13.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	458787	14.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1110938	14.72	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1329130	15.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	81929	6.70	ng/ul	0.00
58) Fluorene-d10	15.30	176	983224	15.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	63594	8.27	ng/ul	0.00
71) Anthracene-d10	17.15	188	1517295	16.21	ng/ul	0.00
79) Pyrene-d10	19.44	212	1712687	17.20	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2079256	16.31	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.86	94	73454	1.947	ng/ul 97
28) Naphthalene	10.49	128	26497969m	315.097	ng/ul
34) 2-Methylnaphthalene	12.12	142	7626372	121.872	ng/ul 99
41) 1,1'-Biphenyl	13.13	154	1845113	24.616	ng/ul 99
45) Dimethylphthalate	13.77	163	424614	5.619	ng/ul 99
48) Acenaphthylene	14.02	152	789472	8.720	ng/ul 96
50) Acenaphthene	14.37	153	5588142	88.645	ng/ul 99
54) Dibenzofuran	14.70	168	6450657	72.081	ng/ul 100
59) Fluorene	15.36	166	5384528	73.334	ng/ul 99
70) Phenanthrene	17.09	178	17401980m	159.778	ng/ul
72) Anthracene	17.18	178	3093881	27.490	ng/ul 100
75) Carbazole	17.44	167	1592474	15.839	ng/ul 99
77) Fluoranthene	19.11	202	14530759	112.181	ng/ul 95
80) Pyrene	19.48	202	12610054	97.901	ng/ul 99
83) Benzo(a)anthracene	21.23	228	6441782	46.239	ng/ul 95
85) Chrysene	21.28	228	3703878	28.633	ng/ul 98
88) Benzo(b)fluoranthene	22.80	252	6490160	42.573	ng/ul 98
89) Benzo(k)fluoranthene	22.83	252	1704352m	11.643	ng/ul
91) Benzo(a)pyrene	23.36	252	4059676	27.757	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.66	276	2004972	11.523	ng/ul 98
93) Dibenzo(a,h)anthracene	25.67	278	690710	4.748	ng/ul# 95
94) Benzo(a,h,i)perylene	26.34	276	1751429	12.226	ng/ul 98

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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

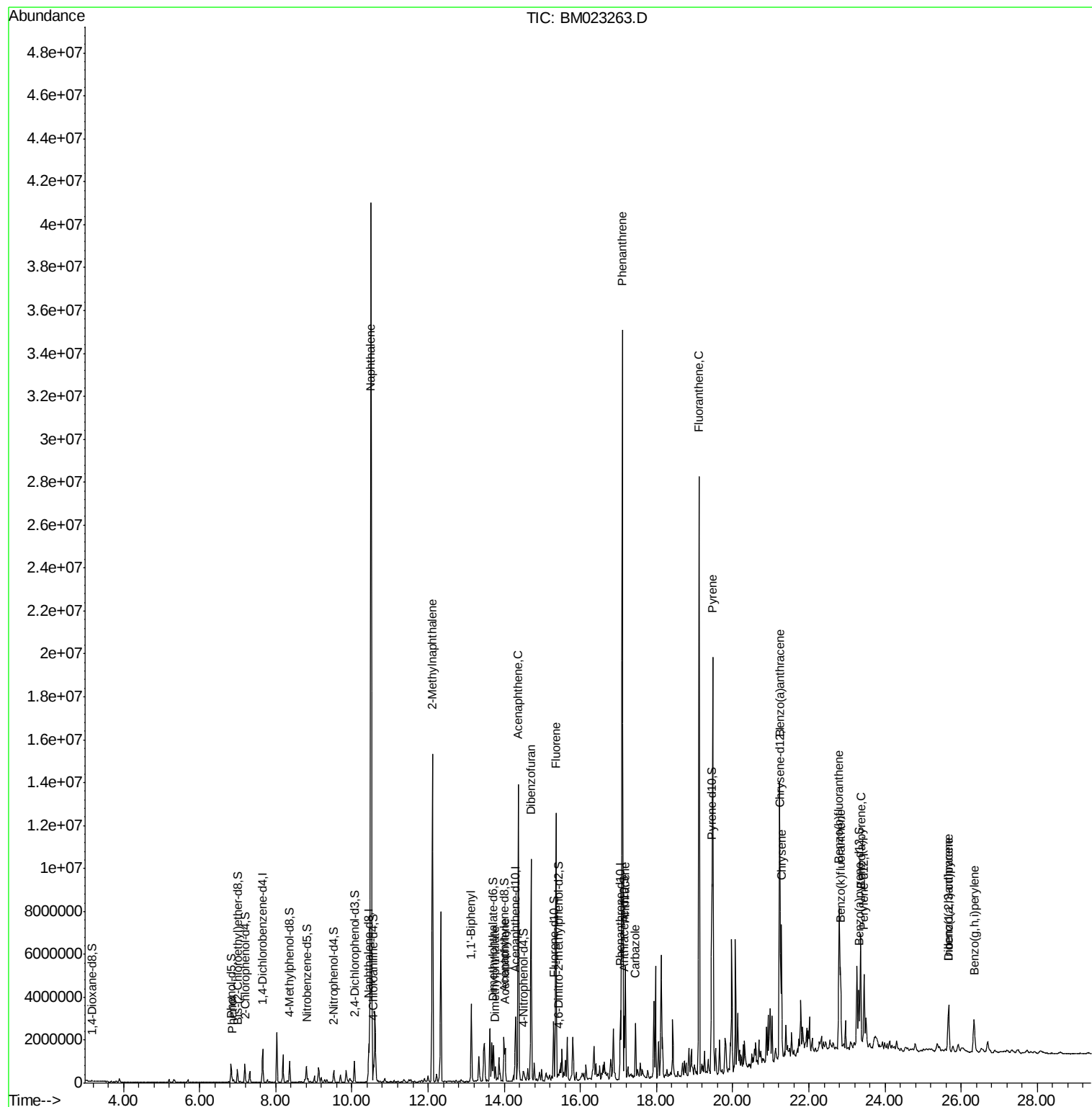
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023263.D
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Operator : JU
Sample : K5345-09
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ALS Vial : 42 Sample Multiplier: 1

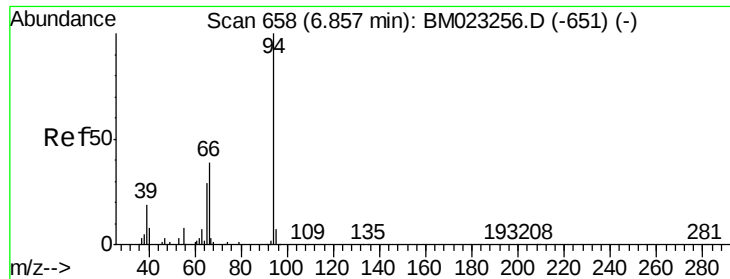
Instrument :
BNA_M
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#6

Phenol

Concen: 1.947 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. -0.00 min

Lab File: BM023263.D

Acq: 18 Oct 2019 18:24

Instrument :

BNA_M

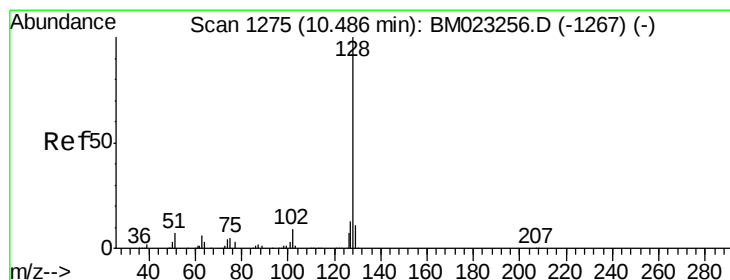
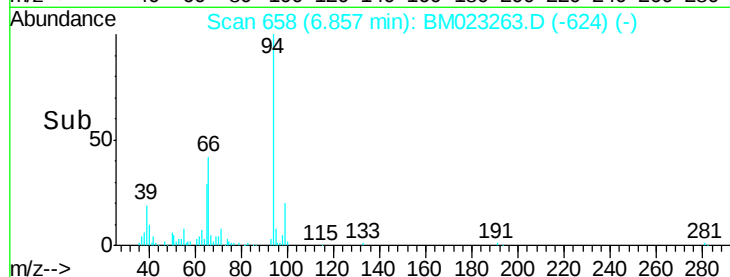
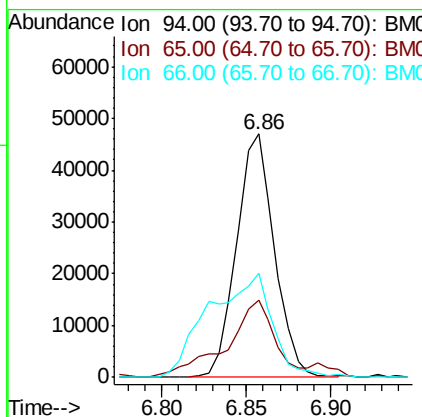
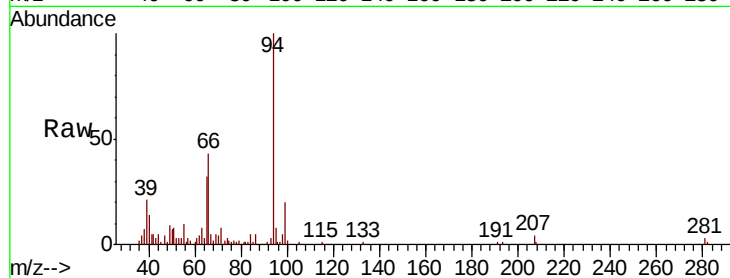
ClientSampleId :

ETOK2

Tot Ion:	94	Resp:	73454
Ion	Ratio	Lower	Upper
94	100		
65	31.6	23.7	35.5
66	43.0	32.9	49.3

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#28

Naphthalene

Concen: 315.097 ng/ul m

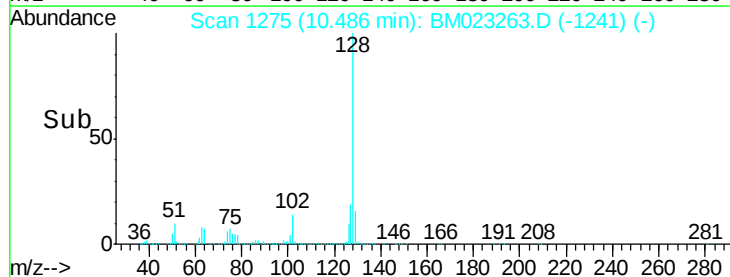
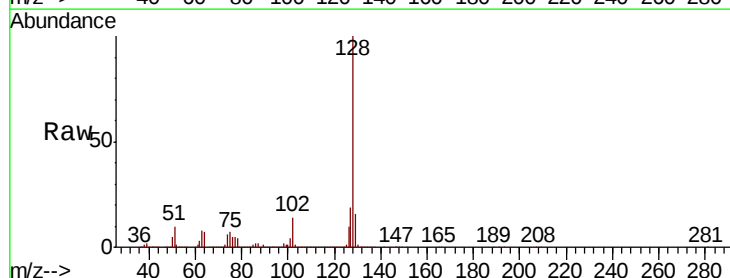
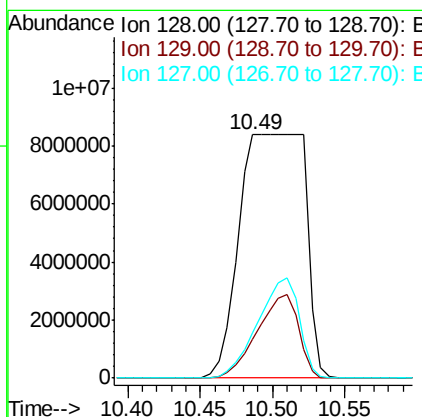
RT: 10.49 min Scan# 1275

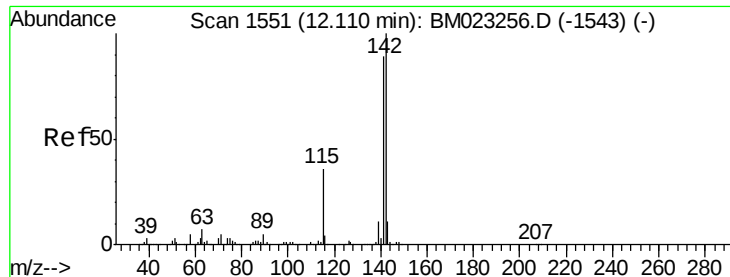
Delta R.T. -0.00 min

Lab File: BM023263.D

Acq: 18 Oct 2019 18:24

Tgt Ion:	128	Resp:	26497969
Ion	Ratio	Lower	Upper
128	100		
129	16.0	8.3	12.5#
127	18.6	10.2	15.4#





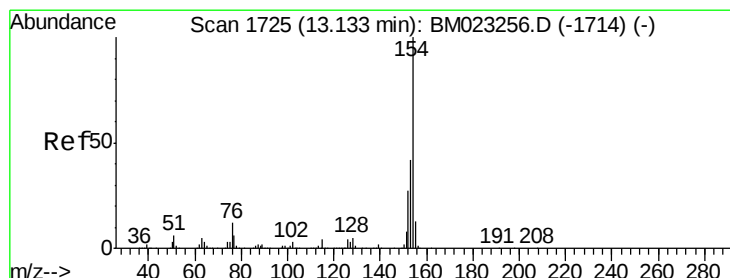
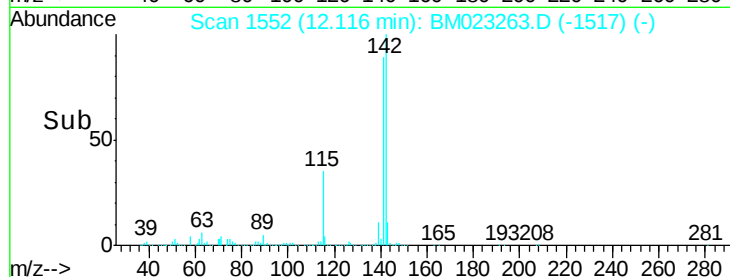
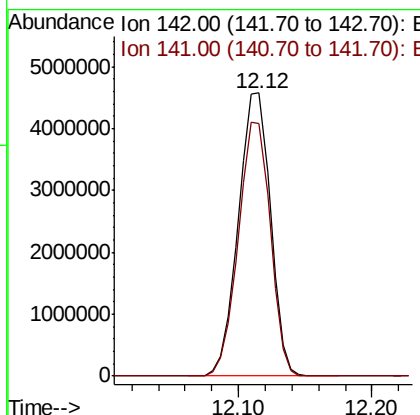
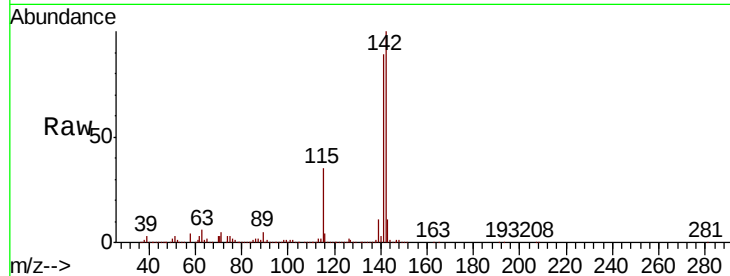
#34
 2-Methylnaphthalene
 Concen: 121.872 ng/ul
 RT: 12.12 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

Instrument :
 BNA_M
 ClientSampleID :
 ETOK2

Tot Ion:142 Resp: 7626372
 Ion Ratio Lower Upper
 142 100
 141 89.2 72.1 108.1

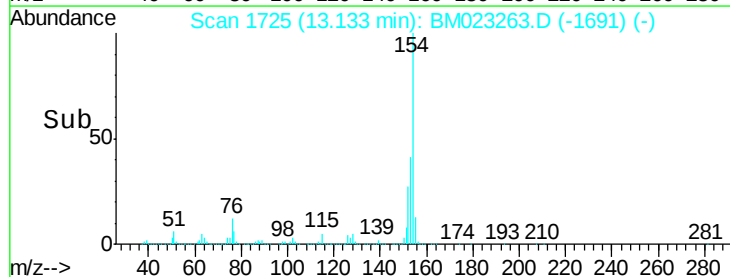
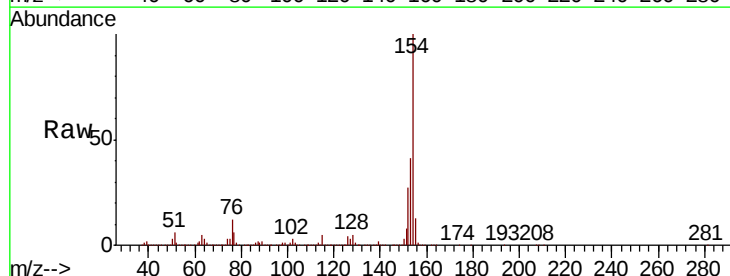
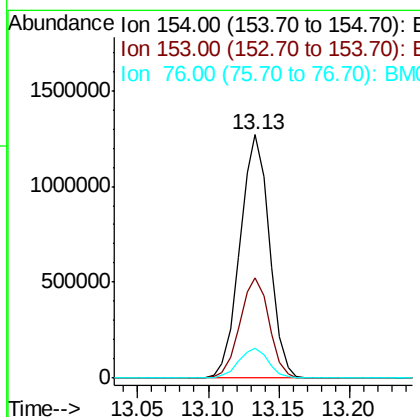
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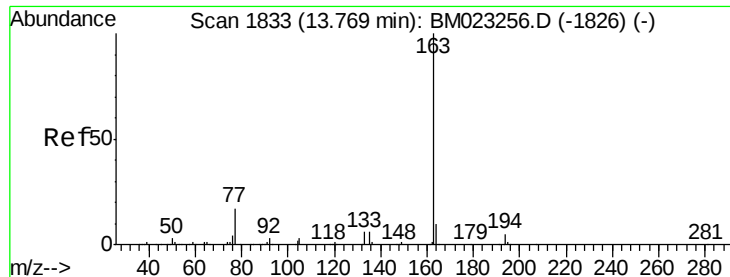
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#41
 1,1'-Biphenyl
 Concen: 24.616 ng/ul
 RT: 13.13 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

Tgt Ion:154 Resp: 1845113
 Ion Ratio Lower Upper
 154 100
 153 41.0 33.1 49.7
 76 12.4 10.6 15.8





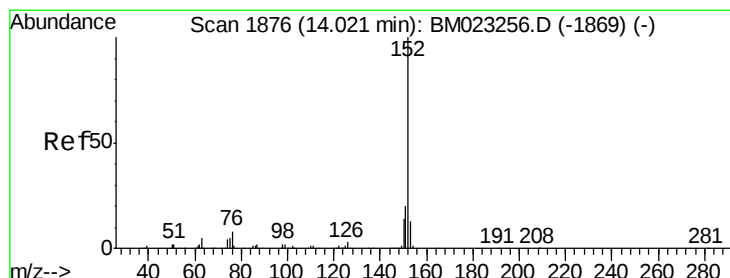
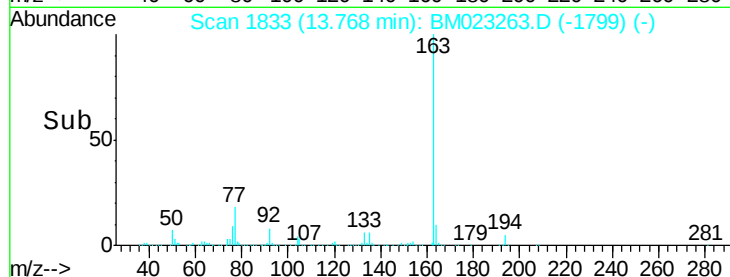
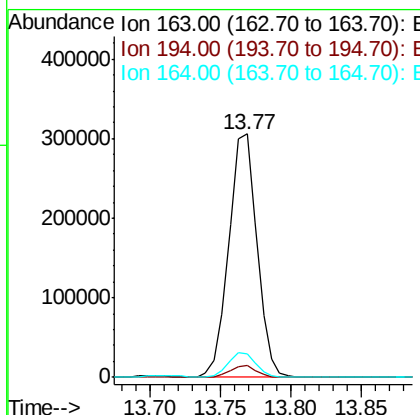
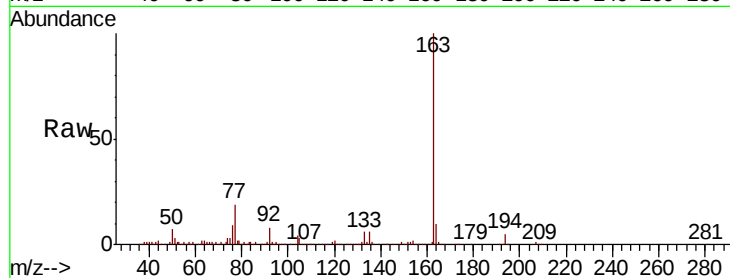
#45
Dimethylphthalate
Concen: 5.619 ng/ul
RT: 13.77 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Instrument :
BNA_M
ClientSampleId :
ETOK2

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	9.7	8.0	12.0

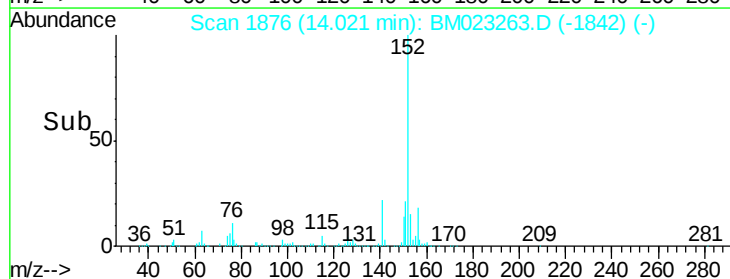
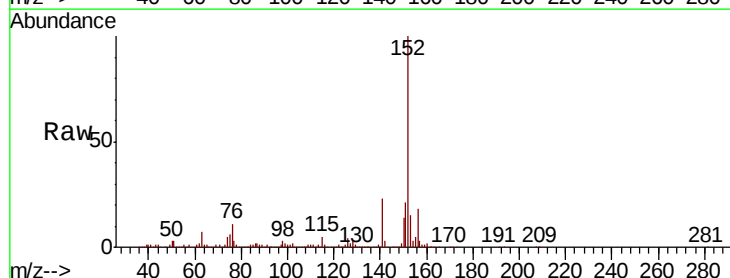
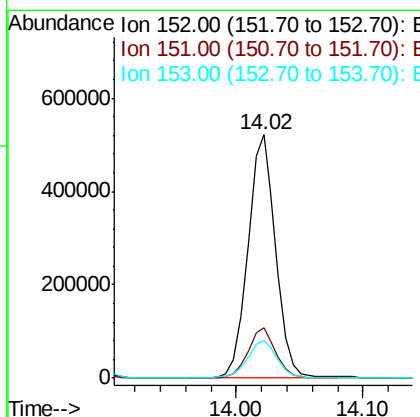
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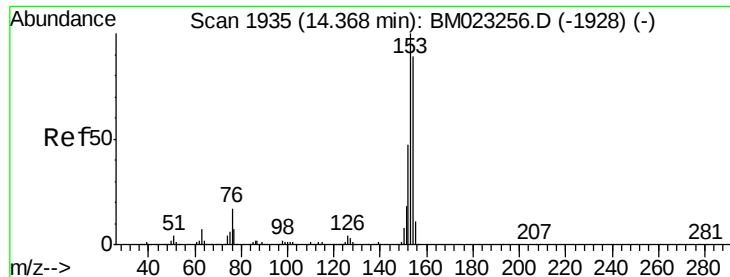
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#48
Acenaphthylene
Concen: 8.720 ng/ul
RT: 14.02 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	15.4	10.3	15.5





#50

Acenaphthene

Concen: 88.645 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BM023263.D

Acq: 18 Oct 2019 18:24

Instrument :

BNA_M

ClientSampleId :

ETOK2

Tot Ion:153 Resp: 5588142

Ion Ratio Lower Upper

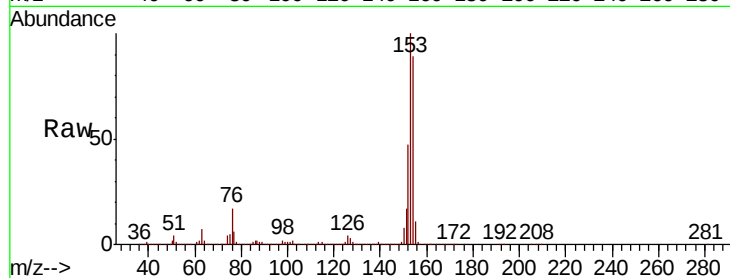
153 100

152 47.1 38.0 57.0

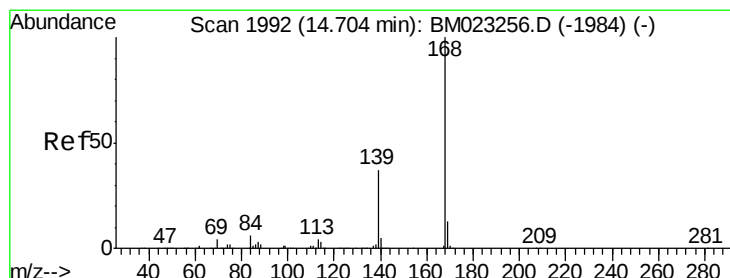
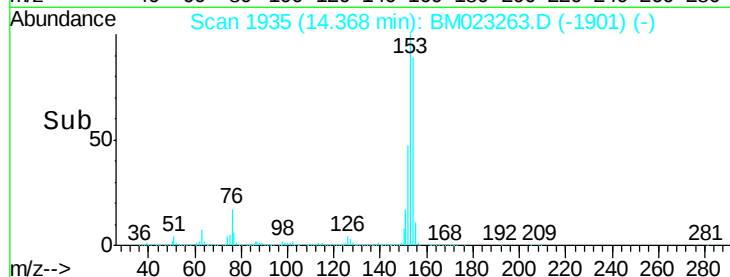
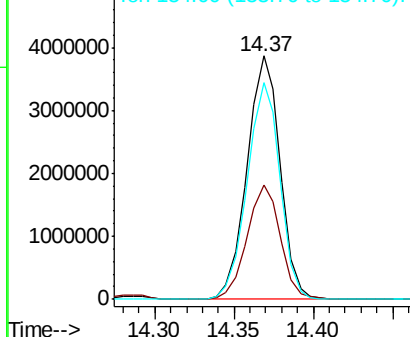
154 89.1 70.4 105.6

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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: 72.081 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BM023263.D

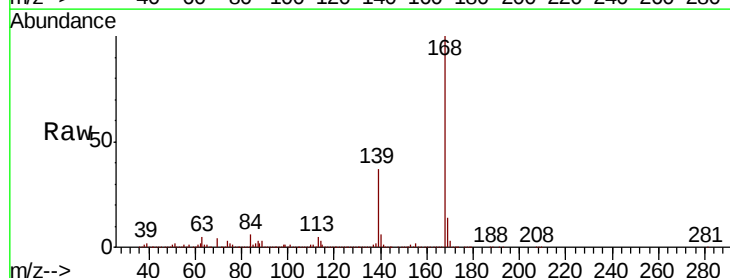
Acq: 18 Oct 2019 18:24

Tgt Ion:168 Resp: 6450657

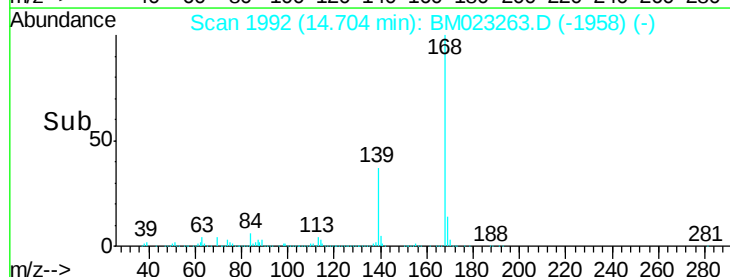
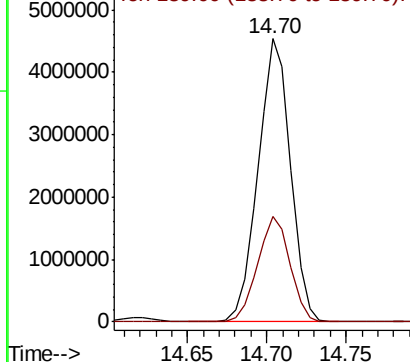
Ion Ratio Lower Upper

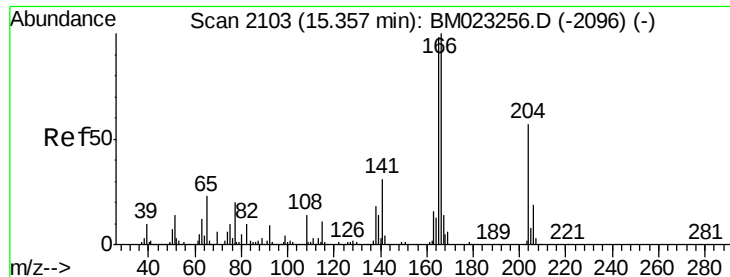
168 100

139 37.4 30.1 45.1



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





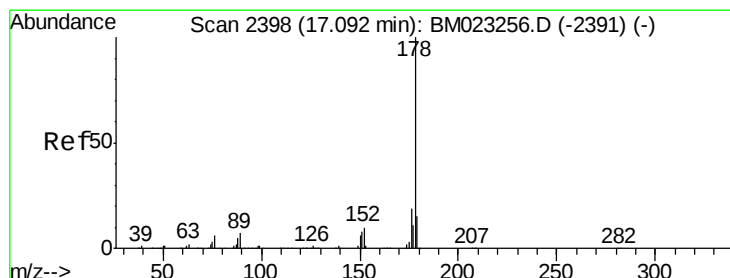
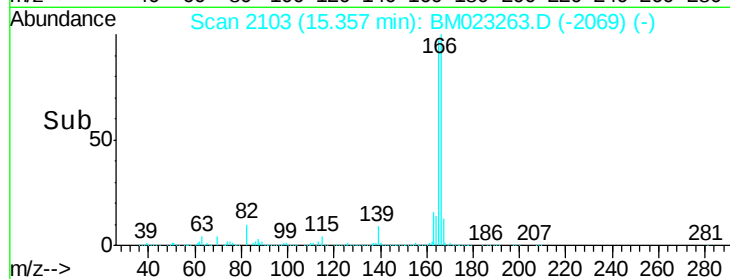
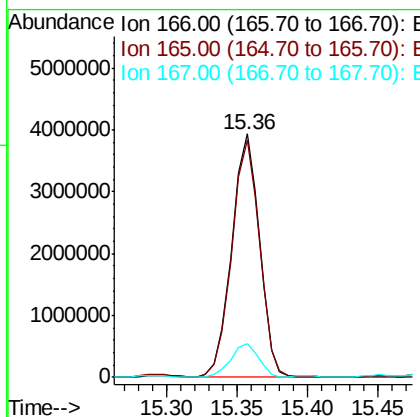
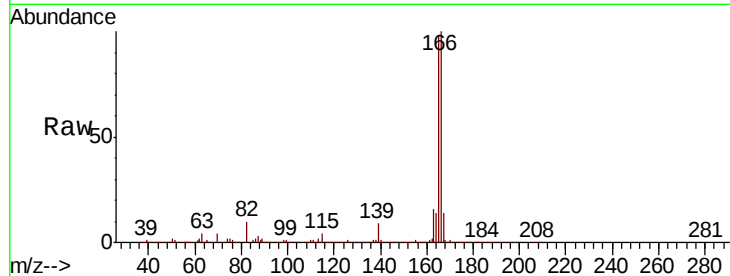
#59
Fluorene
 Concen: 73.334 ng/ul
 RT: 15.36 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

Instrument :
 BNA_M
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 ETOK2

Tot Ion:166 Resp: 5384528
 Ion Ratio Lower Upper
 166 100
 165 97.5 77.4 116.0
 167 13.6 10.8 16.2

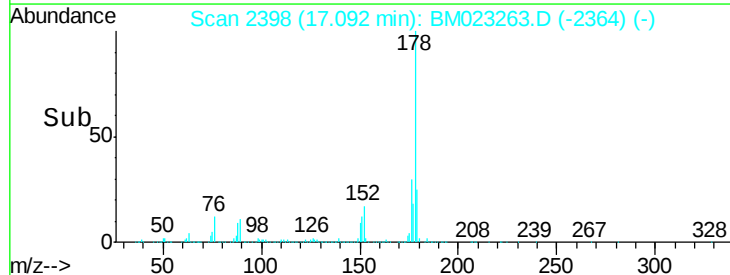
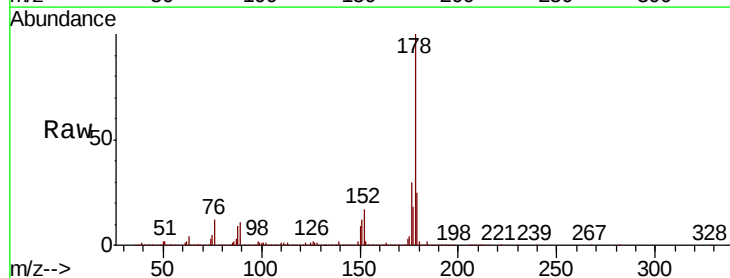
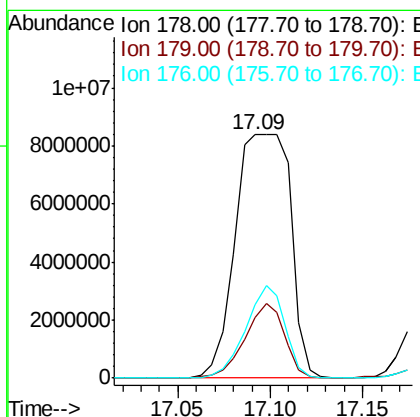
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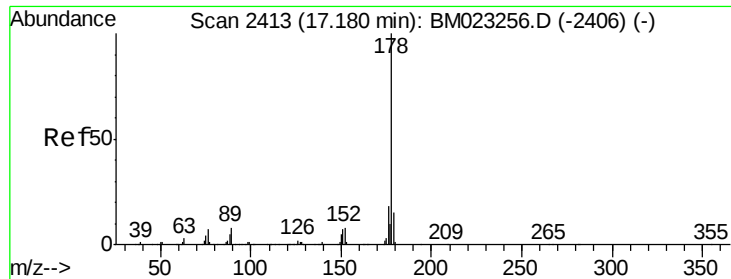
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#70
Phenanthrene
 Concen: 159.778 ng/ul m
 RT: 17.09 min Scan# 2398
 Delta R.T. -0.00 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

Tgt Ion:178 Resp:17401980
 Ion Ratio Lower Upper
 178 100
 179 25.0 12.3 18.5#
 176 30.1 15.5 23.3#





#72

Anthracene

Concen: 27.490 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM023263.D

Acq: 18 Oct 2019 18:24

Instrument :

BNA_M

ClientSampleId :

ETOK2

Tot Ion:178 Resp: 3093881

Ion Ratio Lower Upper

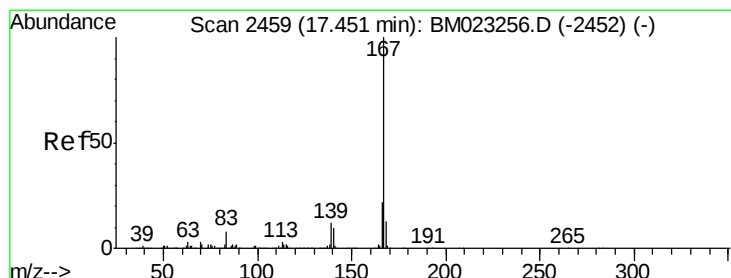
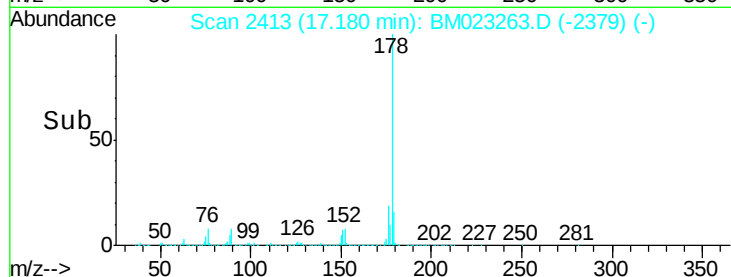
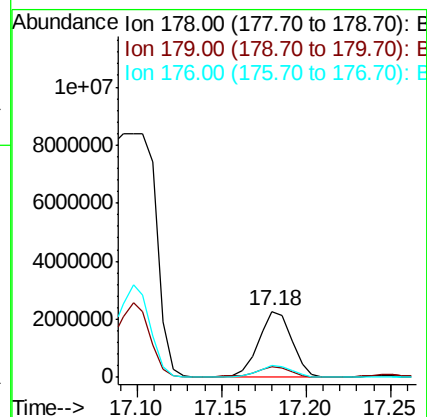
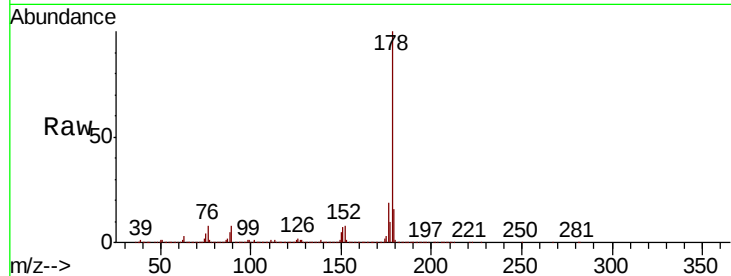
178 100

179 15.7 12.3 18.5

176 18.7 15.0 22.4

Manual Integrations
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#75

Carbazole

Concen: 15.839 ng/ul

RT: 17.44 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BM023263.D

Acq: 18 Oct 2019 18:24

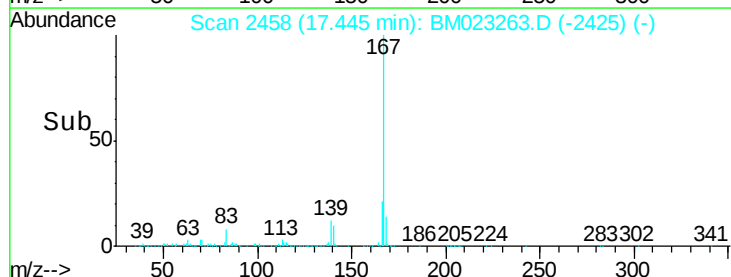
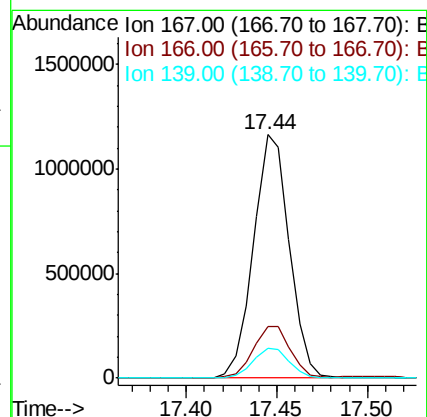
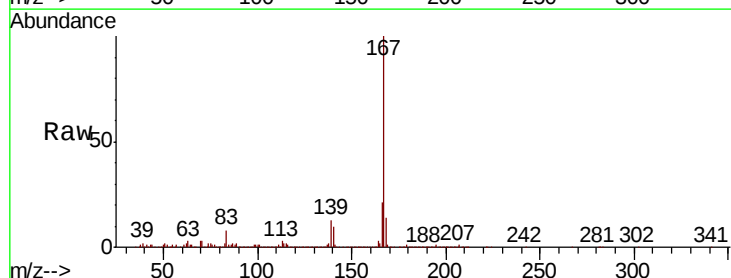
Tgt Ion:167 Resp: 1592474

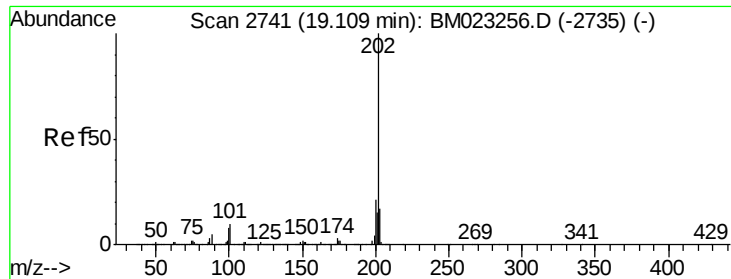
Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.0

139 12.5 10.2 15.2





#77
Fluoranthene
 Concen: 112.181 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

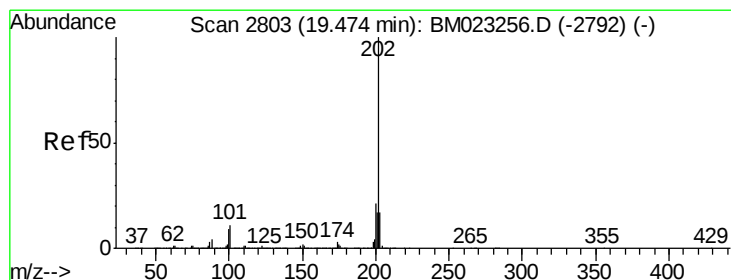
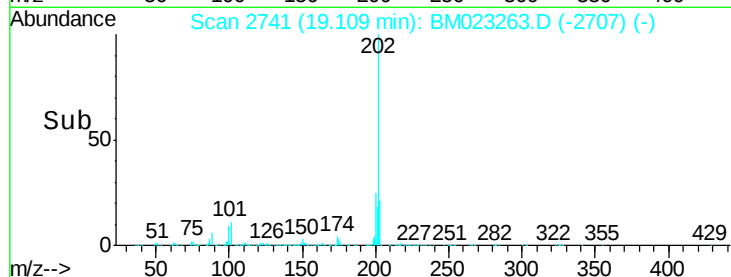
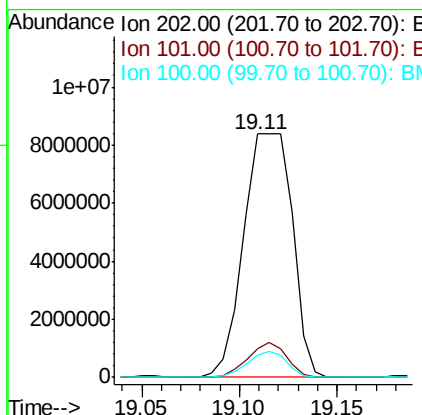
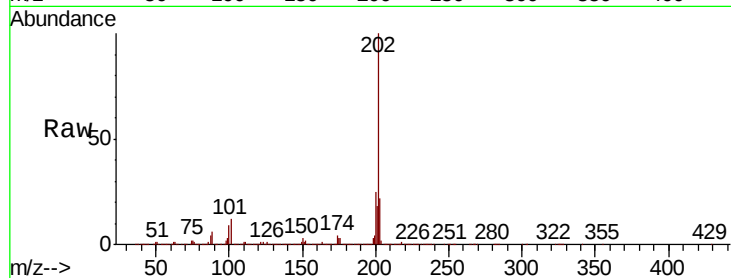
Instrument :
 BNA_M
 ClientSampleId :
 ETOK2

Tot Ion:202 Resp:14530759

Ion	Ratio	Lower	Upper
202	100		
101	11.6	7.8	11.8
100	9.0	6.1	9.1

Manual Integrations
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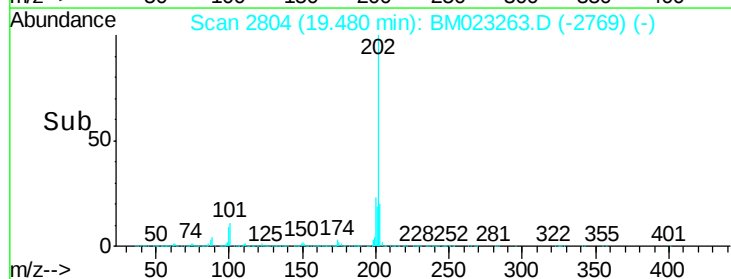
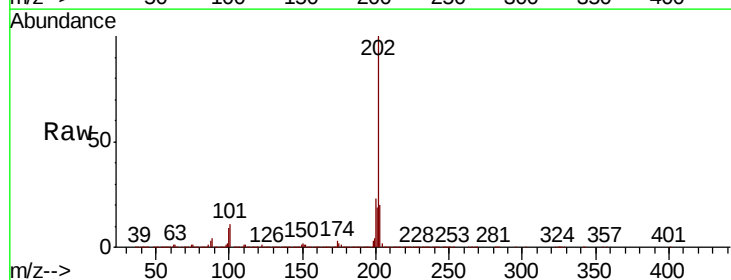
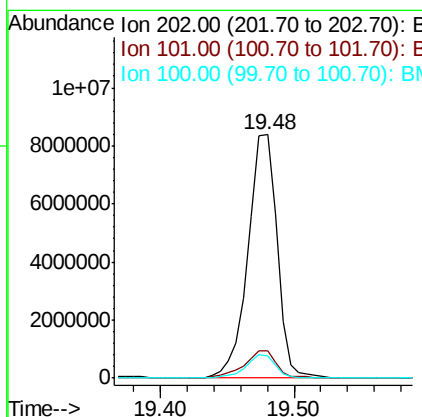
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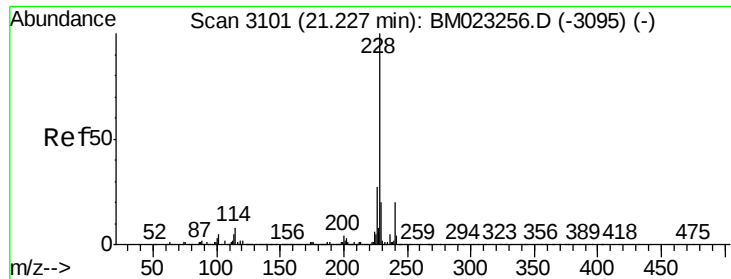


#80
Pyrene
 Concen: 97.901 ng/ul
 RT: 19.48 min Scan# 2804
 Delta R.T. 0.01 min
 Lab File: BM023263.D
 Acq: 18 Oct 2019 18:24

Tgt Ion:202 Resp:12610054

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.1	13.7
100	9.1	7.5	11.3





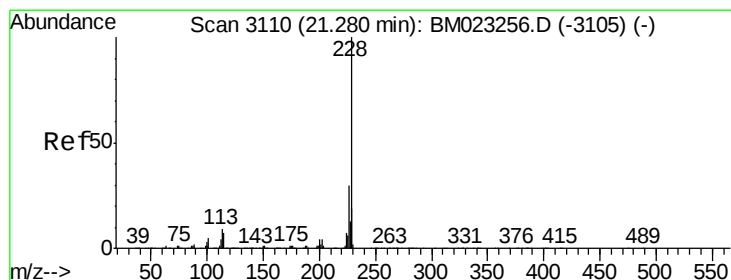
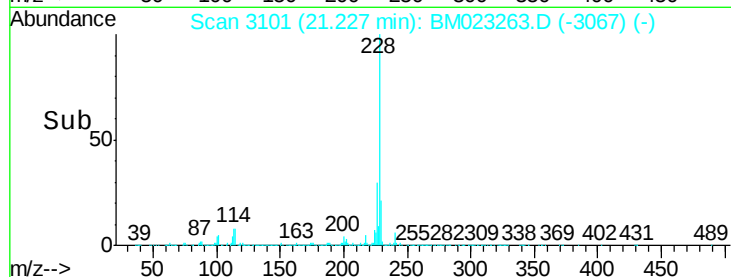
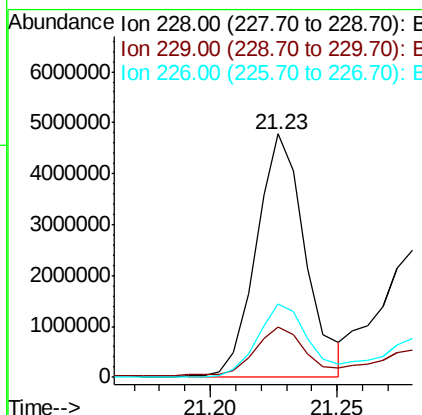
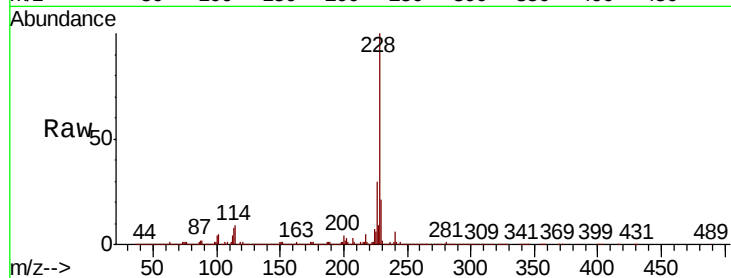
#83
Benzo(a)anthracene
Concen: 46.239 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Instrument :
BNA_M
ClientSampleId :
ETOK2

Tot Ion:228 Resp: 6441782
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 30.1 21.6 32.4

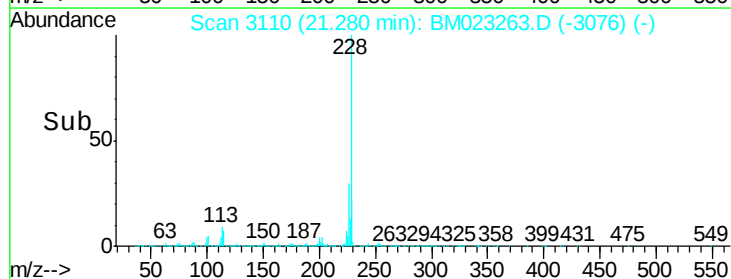
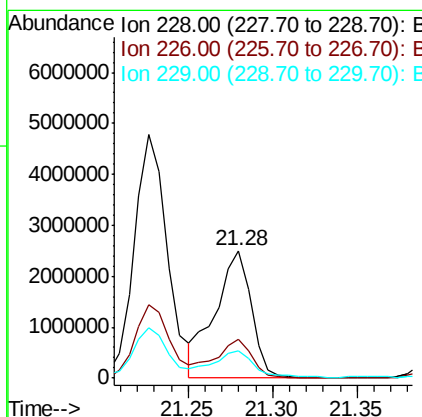
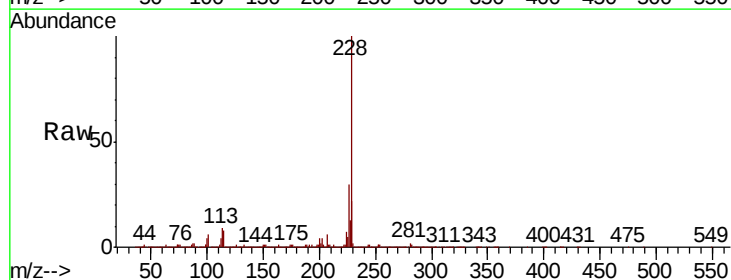
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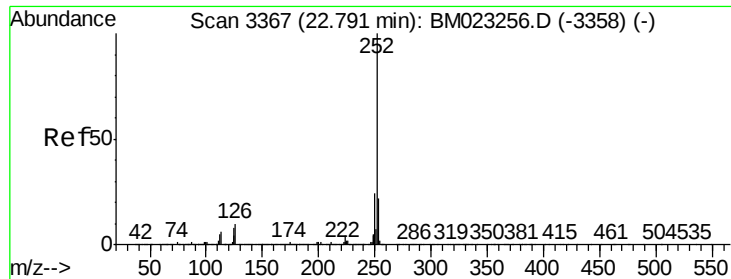
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#85
Chrysene
Concen: 28.633 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Tgt Ion:228 Resp: 3703878
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 21.6 15.5 23.3





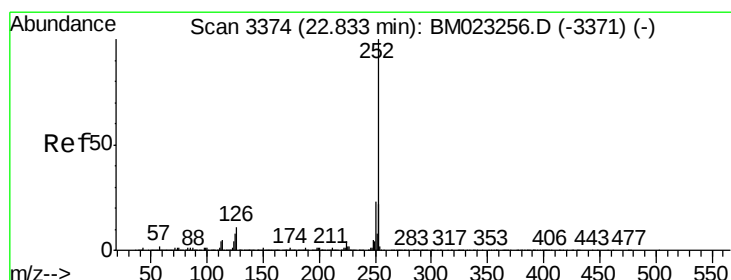
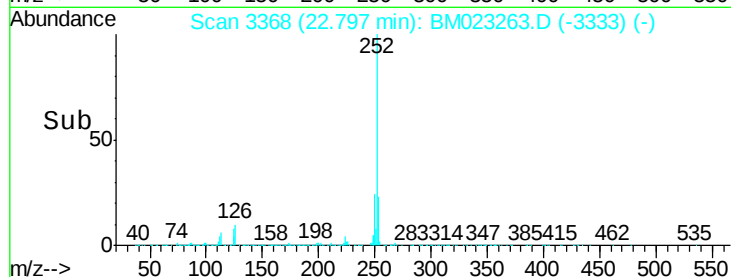
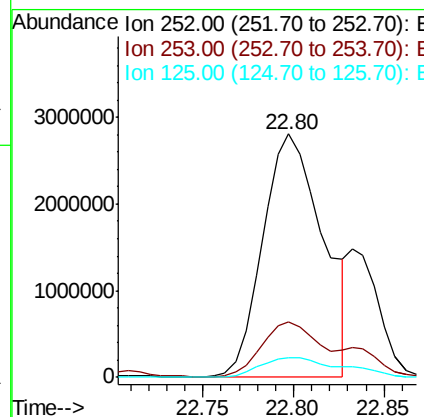
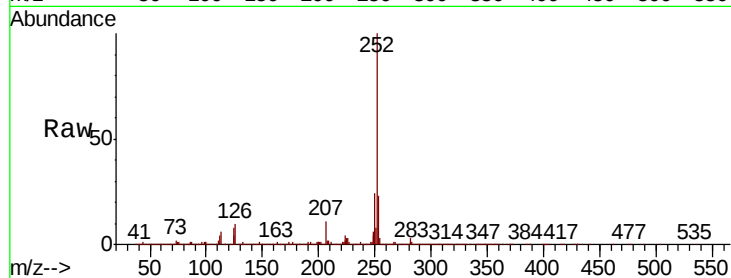
#88
Benzo(b)fluoranthene
Concen: 42.573 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Instrument :
BNA_M
ClientSampleId :
ETOK2

Tot Ion:252 Resp: 6490160
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 8.1 6.4 9.6

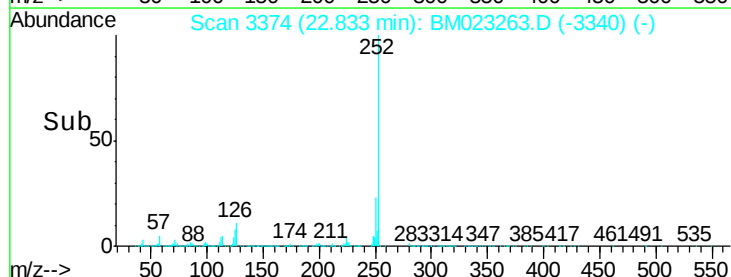
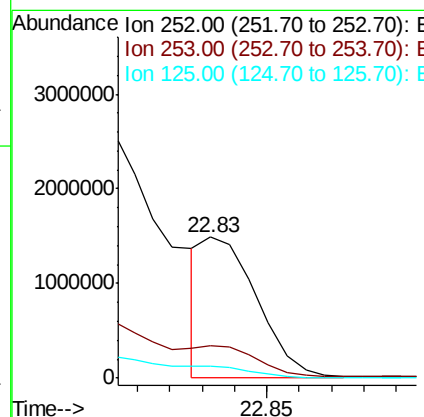
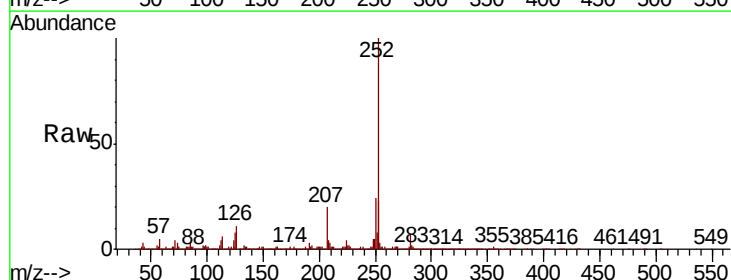
Manual Integrations
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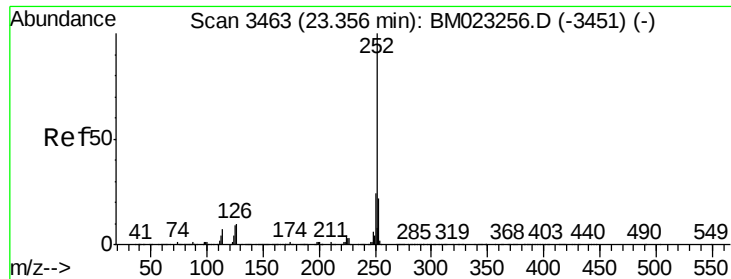
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#89
Benzo(k)fluoranthene
Concen: 11.643 ng/ul m
RT: 22.83 min Scan# 3374
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Tgt Ion:252 Resp: 1704352
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 8.1 6.5 9.7





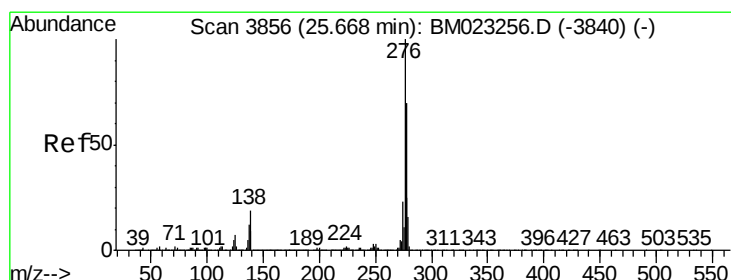
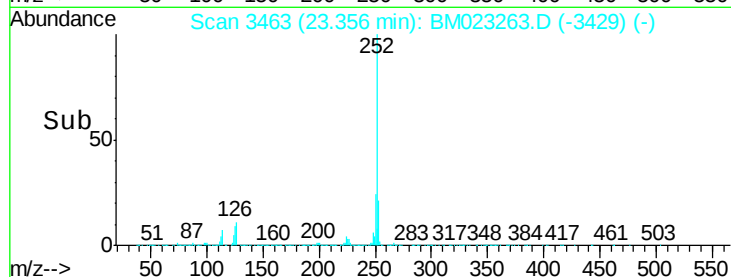
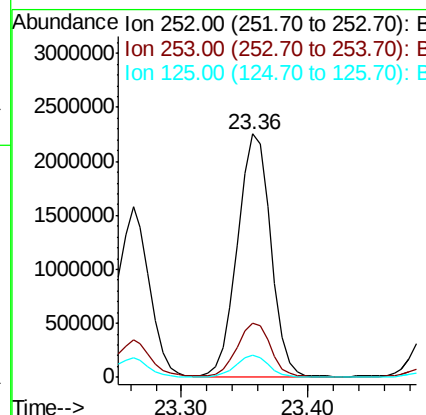
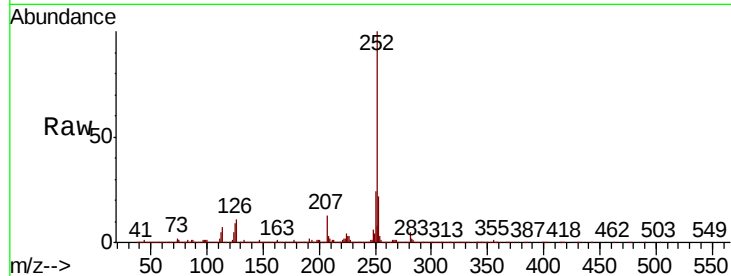
#91
Benzo(a)pyrene
Concen: 27.757 ng/ul
RT: 23.36 min Scan# 3463
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Instrument :
BNA_M
ClientSampleId :
ETOK2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	8.9	7.4	11.0

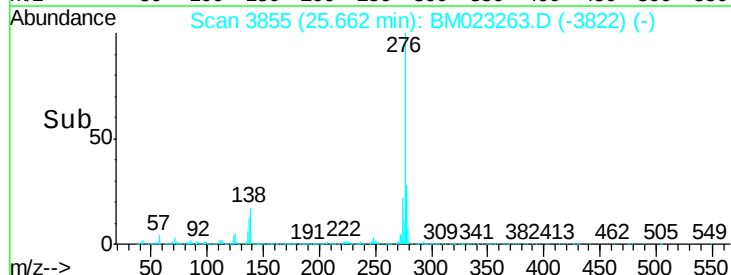
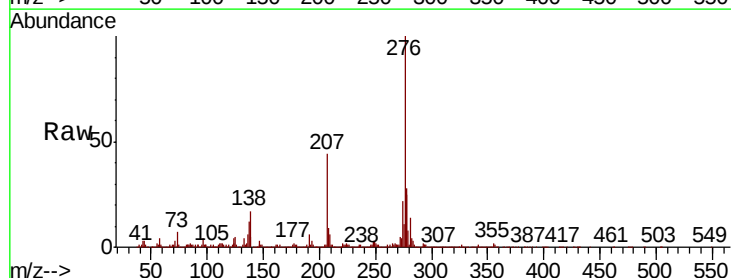
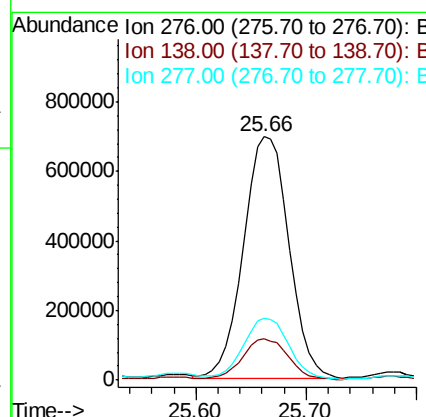
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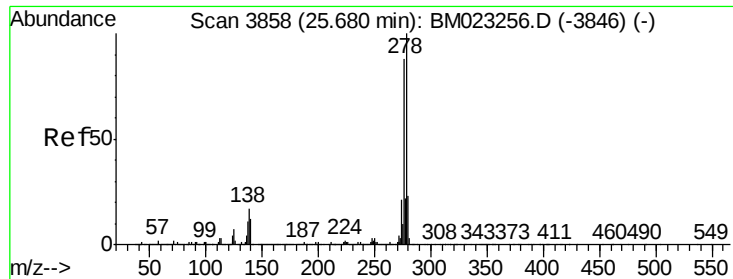
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#92
Indeno(1,2,3-cd)pyrene
Concen: 11.523 ng/ul
RT: 25.66 min Scan# 3855
Delta R.T. -0.01 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.9	22.3
277	25.5	19.8	29.8





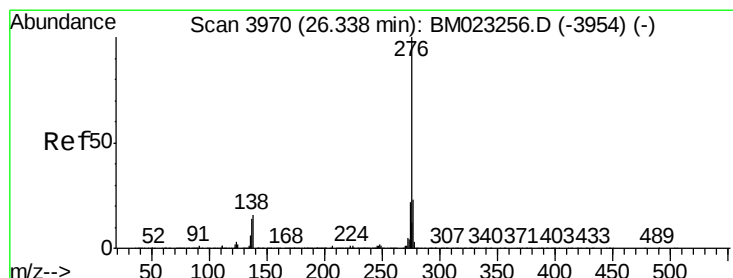
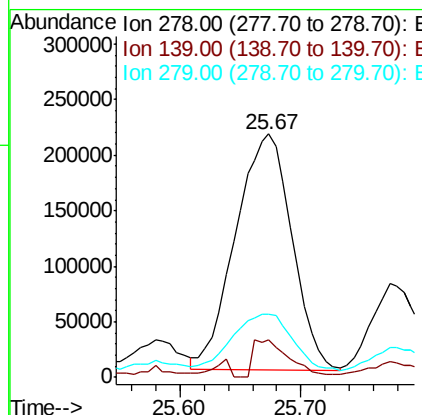
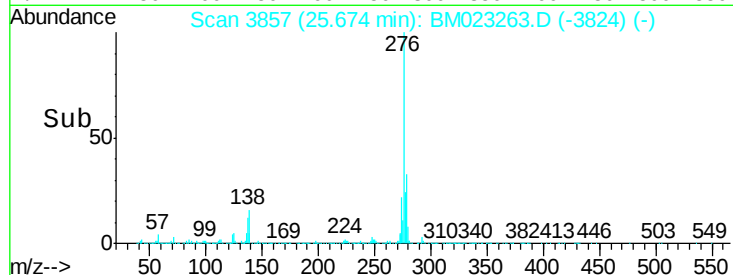
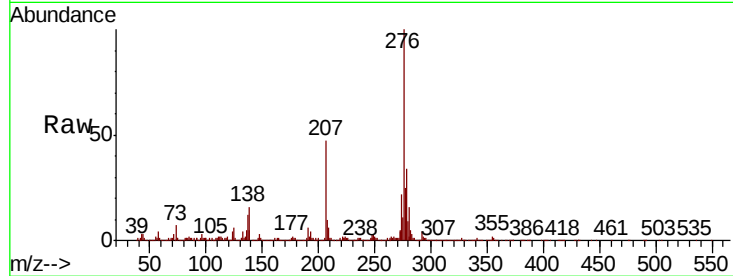
#93
Dibenzo(a,h)anthracene
Concen: 4.748 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. -0.01 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Instrument :
BNA_M
ClientSampled :
ETOK2

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	10.0	15.0#
279	26.1	19.4	29.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 12.226 ng/ul
RT: 26.34 min Scan# 3970
Delta R.T. -0.00 min
Lab File: BM023263.D
Acq: 18 Oct 2019 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	14.4	21.6
277	23.6	19.4	29.2

