

Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
Operator : JU
Sample : K5345-DL 300X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ8DL

Quant Time: Oct 19 01:33:27 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	376002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1451327	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	880151	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1800352	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1954066	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2352267	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	765	0.09	ng/uL	0.00
5) Phenol-d5	6.83	99	1942	0.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	1521	0.08	ng/ul	0.01
9) 2-Chlorophenol-d4	7.19	132	1767	0.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	1376	0.05	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	869	0.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	375	0.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	1679	0.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	830	0.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	4980	0.07	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	5024	0.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	276	0.03	ng/ul	0.01
58) Fluorene-d10	15.30	176	6104	0.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.04	188	1800352	20.74	ng/ul	-0.10
79) Pyrene-d10	19.44	212	11243	0.12	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	10814	0.09	ng/ul	0.00

Target Compounds

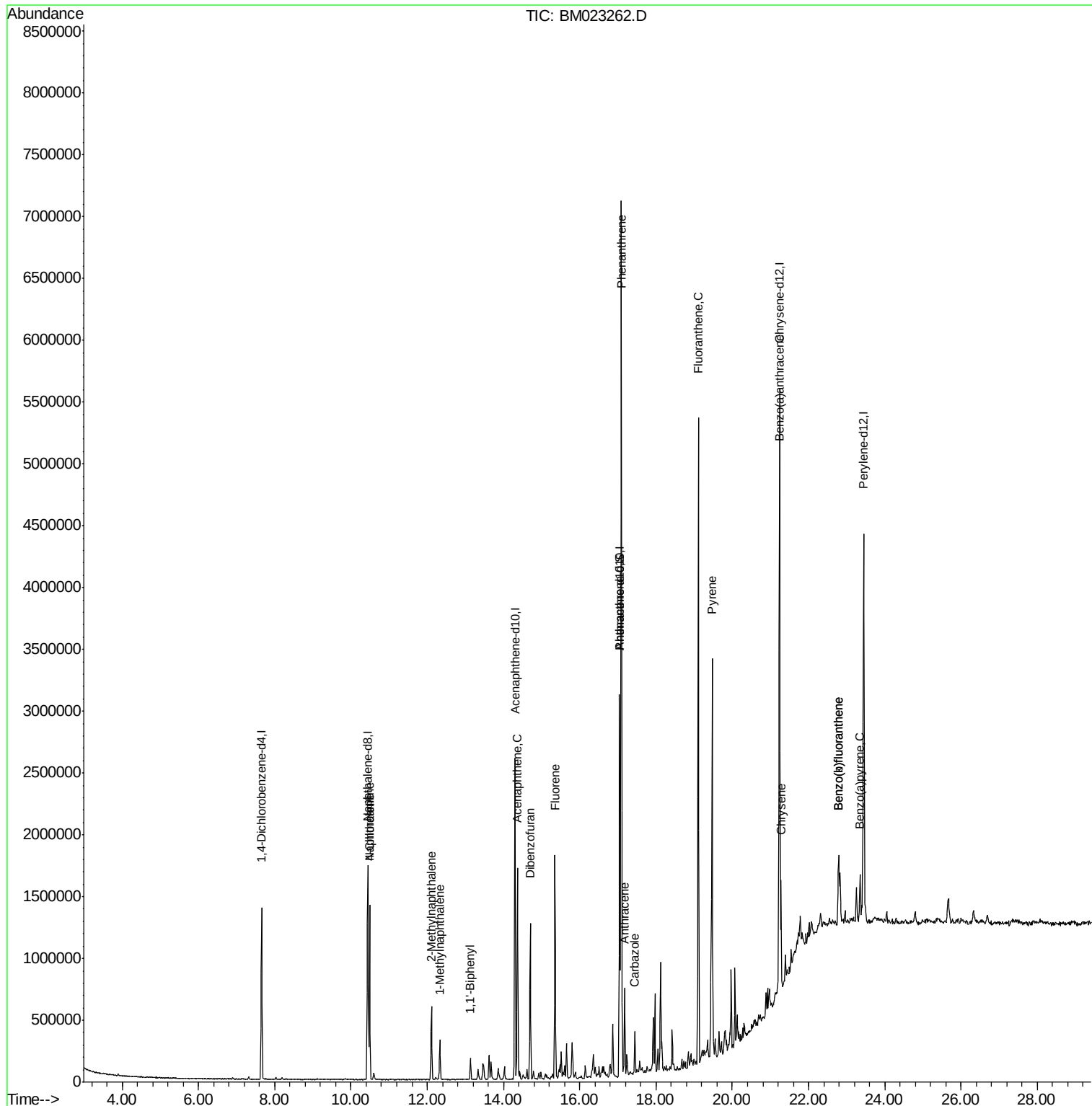
					Qvalue	
28) Naphthalene	10.49	128	1130824	15.075	ng/ul	98
30) 4-Chloroaniline	10.49	127	151100	5.049	ng/ul#	14
34) 2-Methylnaphthalene	12.11	142	288367	5.166	ng/ul	98
35) 1-Methylnaphthalene	12.33	142	151098	2.797	ng/ul	98
41) 1,1'-Biphenyl	13.13	154	90692	1.354	ng/ul	98
50) Acenaphthene	14.37	153	713939	12.676	ng/ul	98
54) Dibenzofuran	14.70	168	774346	9.685	ng/ul	97
59) Fluorene	15.35	166	789837	12.040	ng/ul	99
70) Phenanthrene	17.09	178	4365831	43.210	ng/ul	100
72) Anthracene	17.18	178	438040	4.195	ng/ul	99
75) Carbazole	17.44	167	207713	2.227	ng/ul	99
77) Fluoranthene	19.11	202	3011229	25.060	ng/ul	100
80) Pyrene	19.47	202	2141631	17.495	ng/ul	99
83) Benzo(a)anthracene	21.23	228	663975	5.015	ng/ul	99
85) Chrysene	21.27	228	497689	4.048	ng/ul	97
88) Benzo(b)fluoranthene	22.79	252	523123	3.668	ng/ul	98
89) Benzo(k)fluoranthene	22.79	252	524609	3.831	ng/ul	98
91) Benzo(a)pyrene	23.35	252	305405	2.232	ng/ul	98

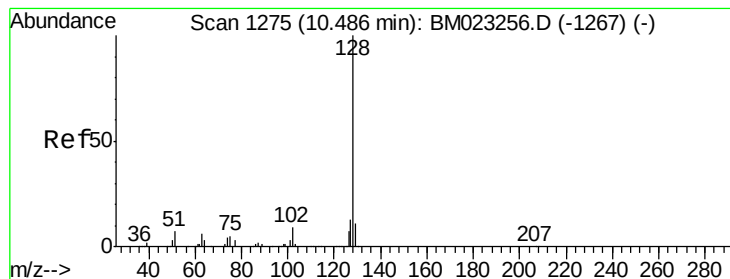
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 15.075 ng/ul

RT: 10.49 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BM023262.D

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Instrument :

BNA_M

ClientSampleId :

ETOJ8DL

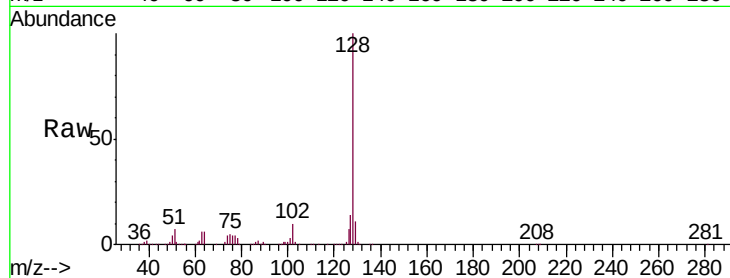
Tgt Ion:128 Resp: 1130824

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

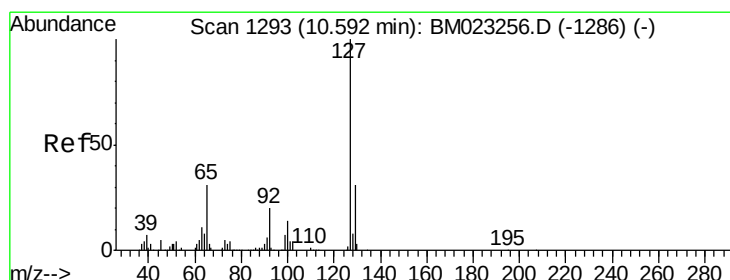
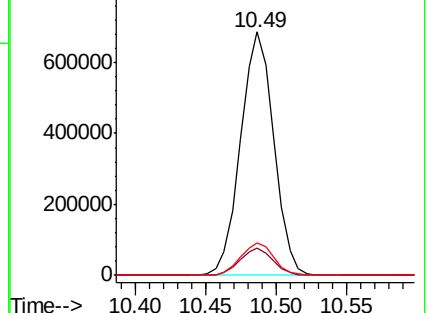
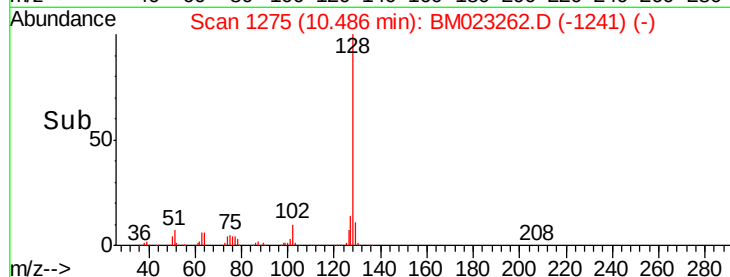
127 13.6 10.2 15.4



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



#30

4-Chloroaniline

Concen: 5.049 ng/ul

RT: 10.49 min Scan# 1275

Delta R.T. -0.11 min

Lab File: BM023262.D

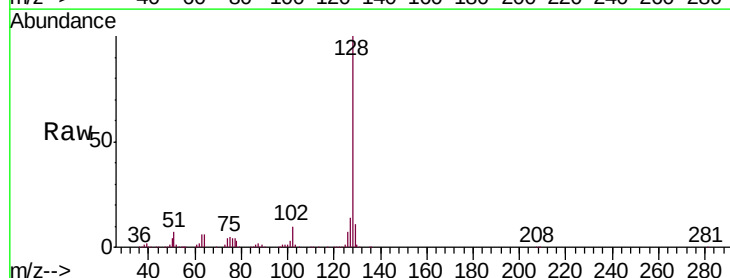
Acq: 18 Oct 2019 17:49

Tgt Ion:127 Resp: 151100

Ion Ratio Lower Upper

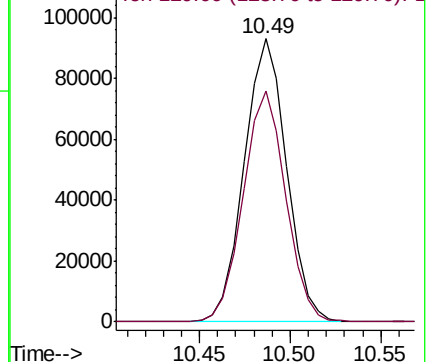
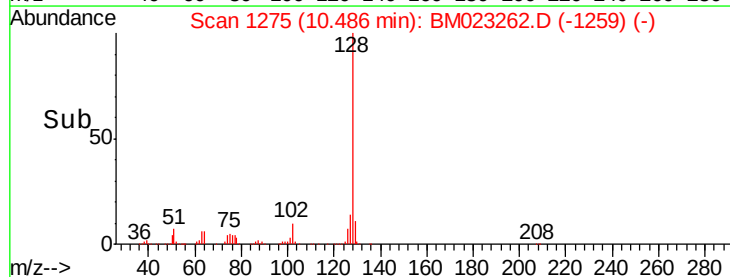
127 100

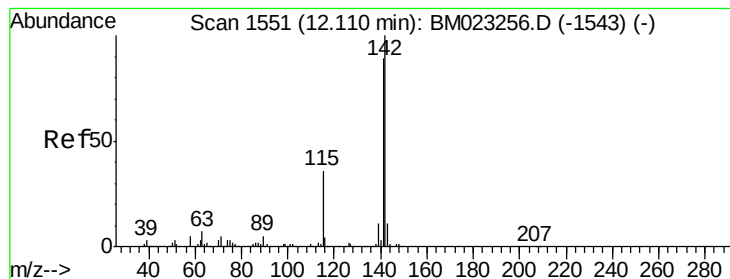
129 81.4 26.3 39.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 5.166 ng/ul

RT: 12.11 min Scan# 1551

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

Instrument :

BNA_M

ClientSampleId :

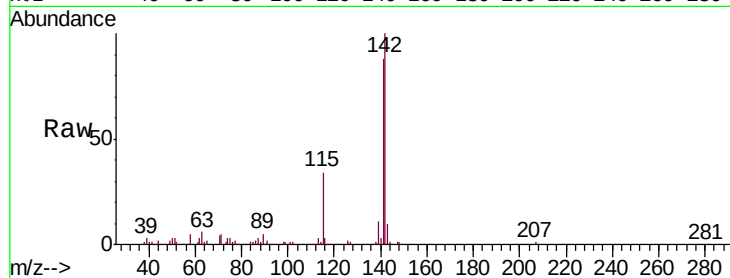
ETOJ8DL

Tgt Ion:142 Resp: 288367

Ion Ratio Lower Upper

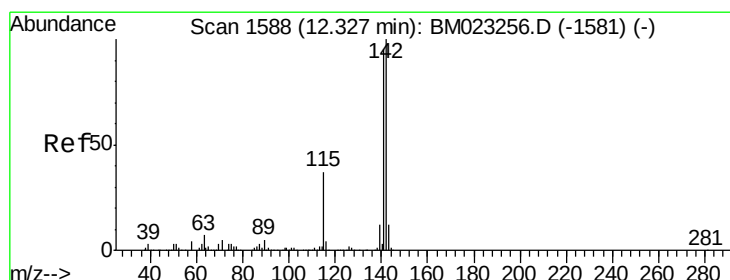
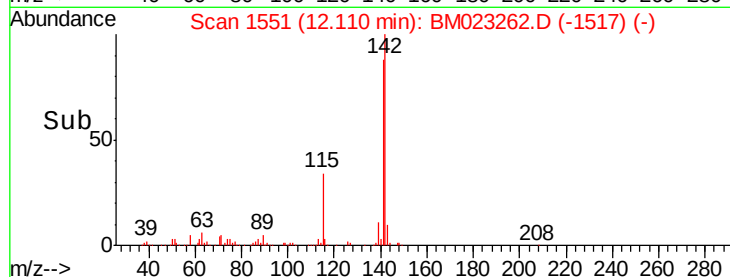
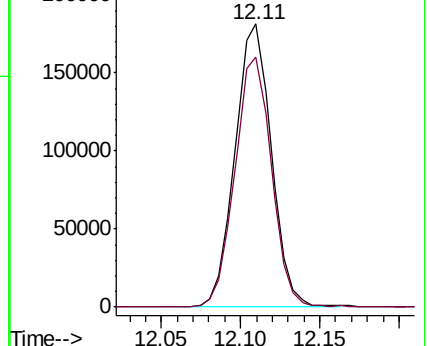
142 100

141 88.4 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 2.797 ng/ul

RT: 12.33 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

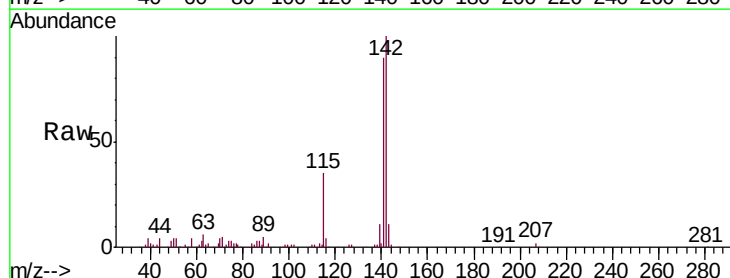
Tgt Ion:142 Resp: 151098

Ion Ratio Lower Upper

142 100

141 90.3 74.2 111.2

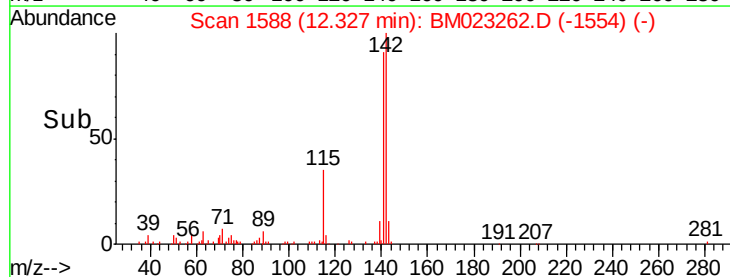
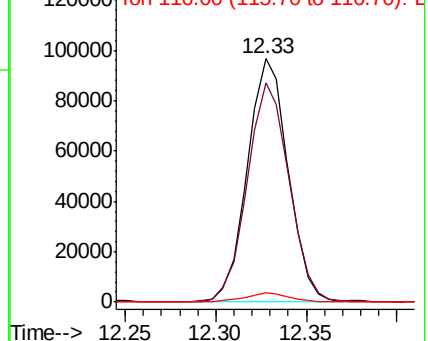
116 3.9 3.3 4.9

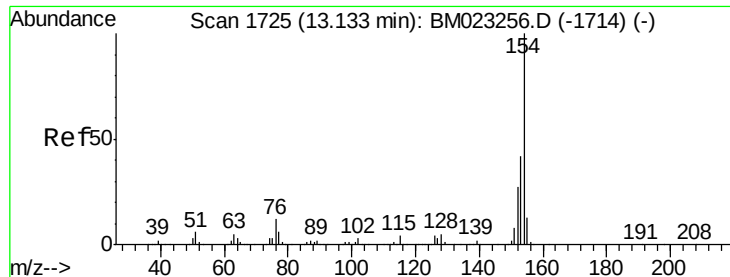


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

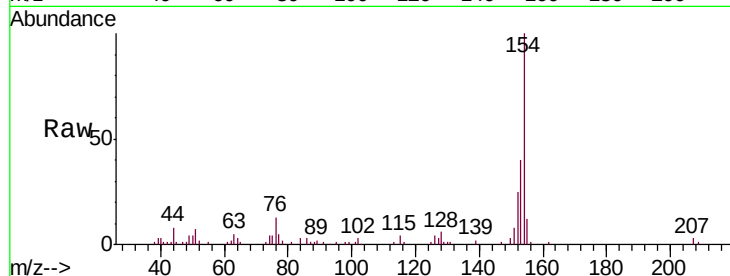




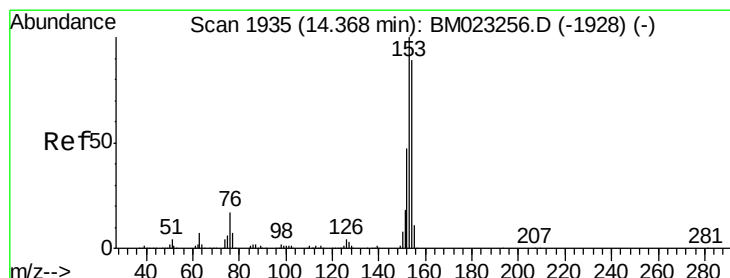
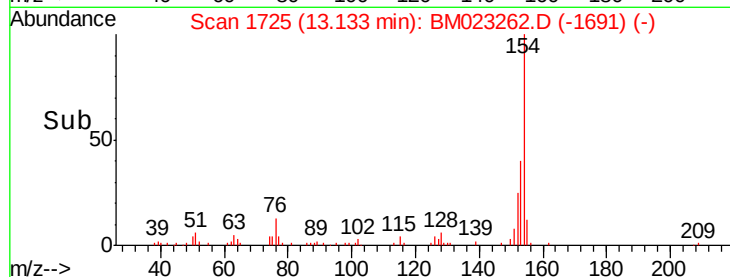
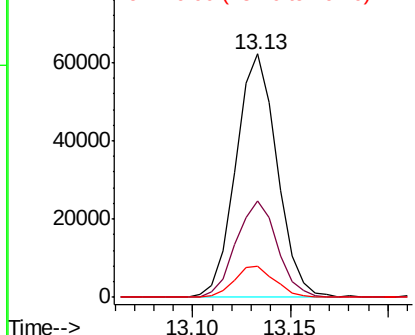
#41
 1,1'-Biphenyl
 Concen: 1.354 ng/ul
 RT: 13.13 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BM023262.D
 Acq: 18 Oct 2019 17:49

Instrument :
 BNA_M
 ClientSampleId :
 ETOJ8DL

Tgt Ion:	154	Resp:	90692
Ion	Ratio	Lower	Upper
154	100		
153	39.7	33.1	49.7
76	13.0	10.6	15.8

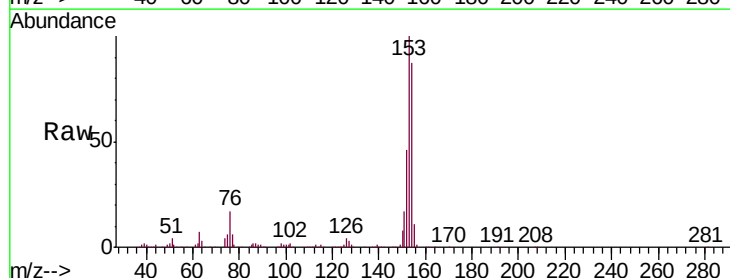


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

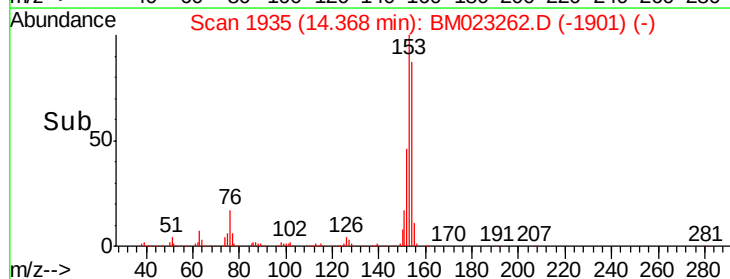
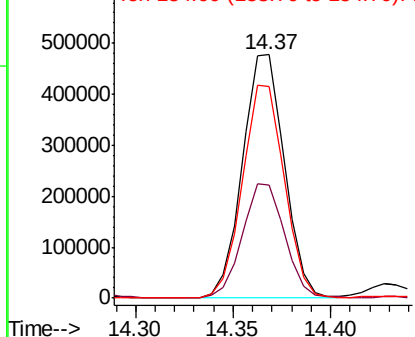


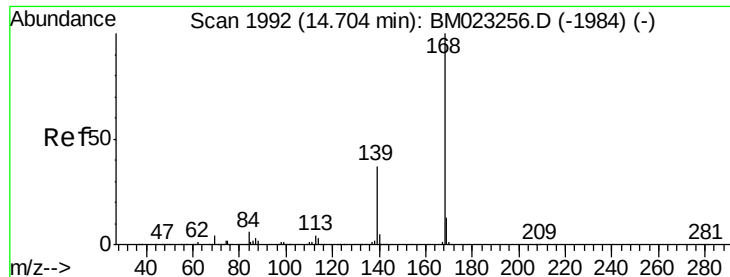
#50
 Acenaphthene
 Concen: 12.676 ng/ul
 RT: 14.37 min Scan# 1935
 Delta R.T. -0.00 min
 Lab File: BM023262.D
 Acq: 18 Oct 2019 17:49

Tgt Ion:	153	Resp:	713939
Ion	Ratio	Lower	Upper
153	100		
152	46.3	38.0	57.0
154	86.7	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

Dibenzenofuran

Concen: 9.685 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

Instrument :

BNA_M

ClientSampleId :

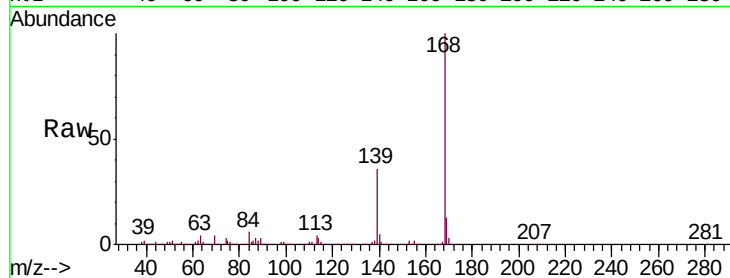
ETOJ8DL

Tgt Ion:168 Resp: 774346

Ion Ratio Lower Upper

168 100

139 36.0 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.70

600000

500000

400000

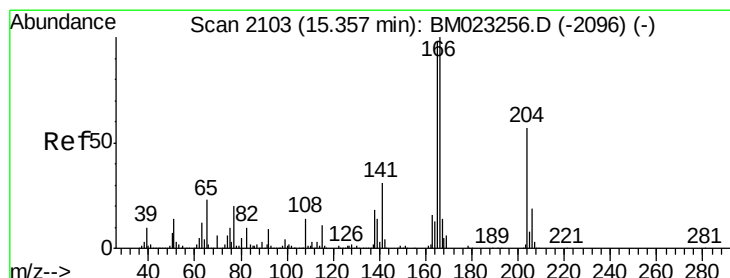
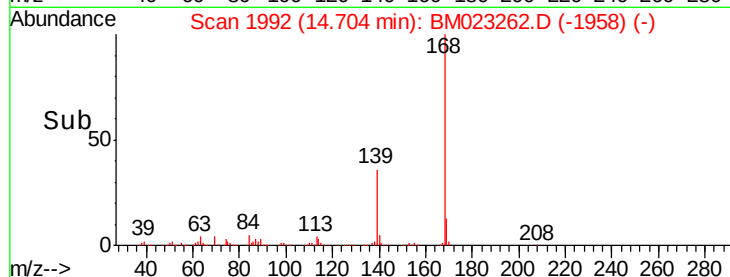
300000

200000

100000

0

Time-->



#59

Fluorene

Concen: 12.040 ng/ul

RT: 15.35 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

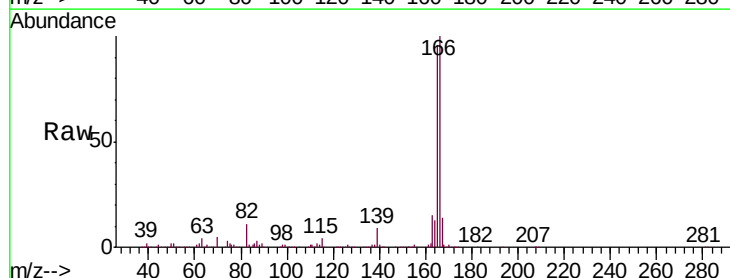
Tgt Ion:166 Resp: 789837

Ion Ratio Lower Upper

166 100

165 96.2 77.4 116.0

167 14.0 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.35

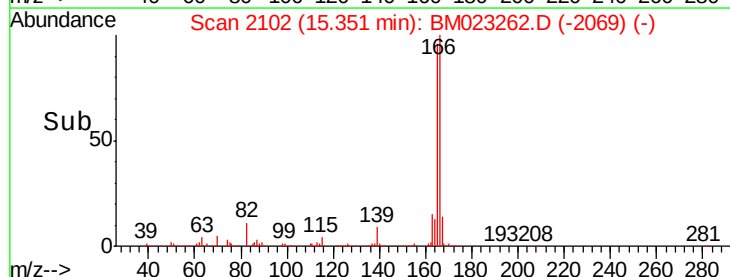
600000

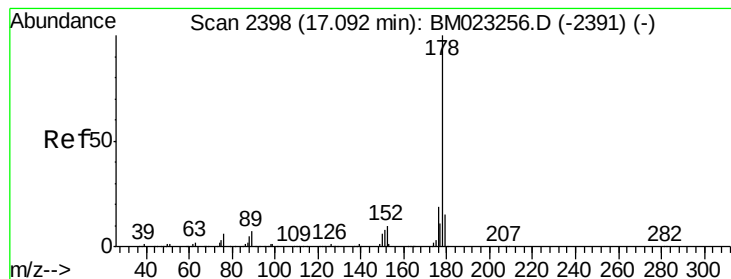
400000

200000

0

Time-->





#70

Phenanthrene

Concen: 43.210 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

Instrument :

BNA_M

ClientSampleId :

ETOJ8DL

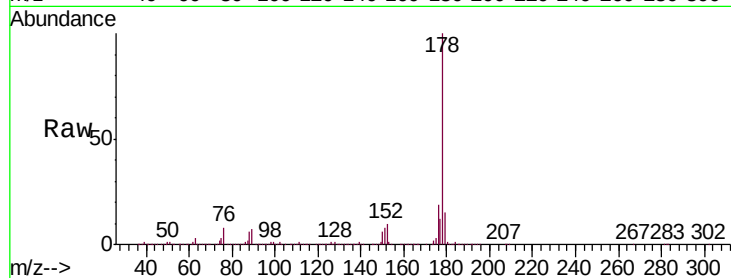
Tgt Ion:178 Resp: 4365831

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

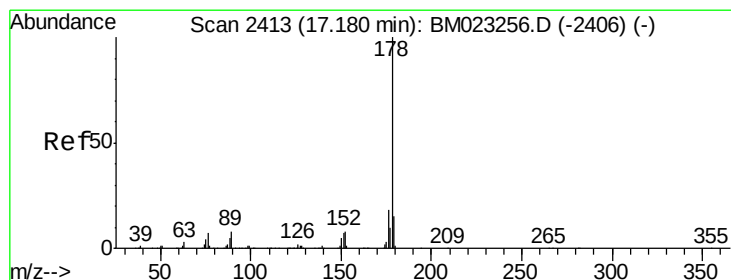
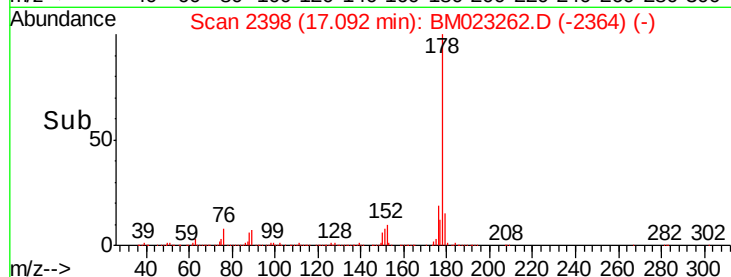
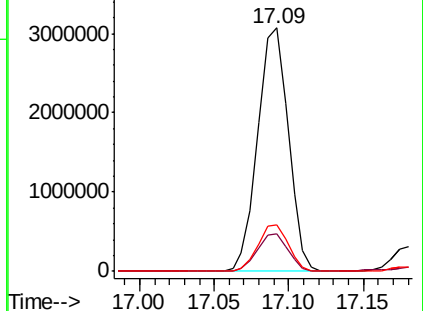
176 19.1 15.5 23.3



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



#72

Anthracene

Concen: 4.195 ng/ul

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

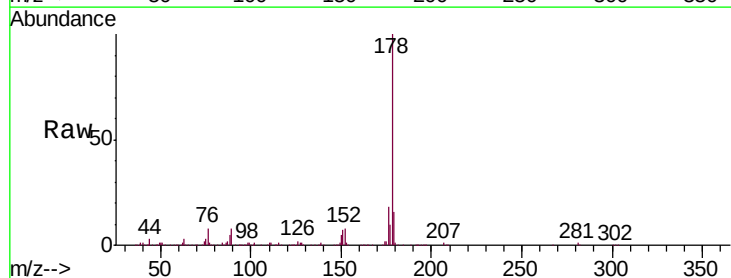
Tgt Ion:178 Resp: 438040

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

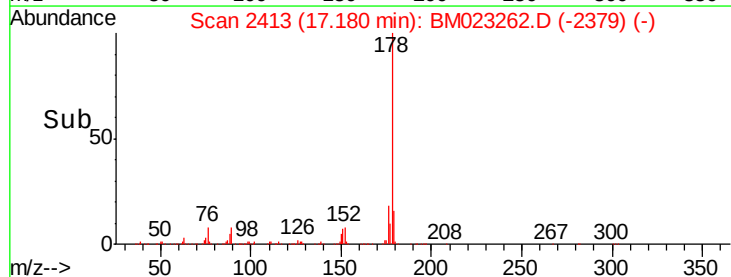
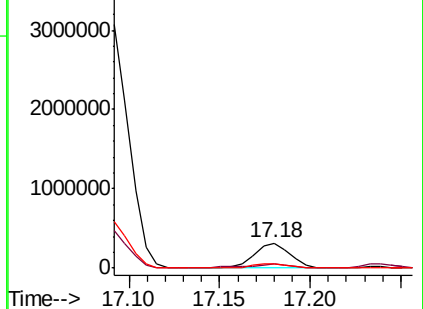
176 18.3 15.0 22.4

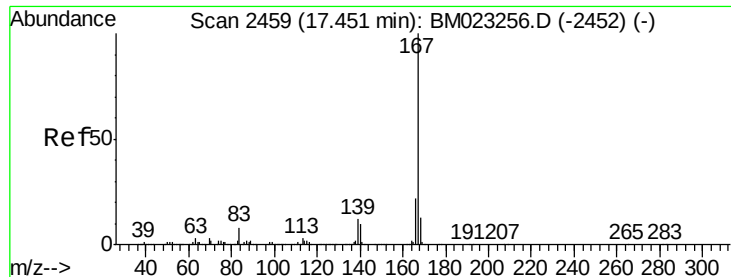


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.227 ng/ul

RT: 17.44 min Scan# 2458

Delta R.T. -0.01 min

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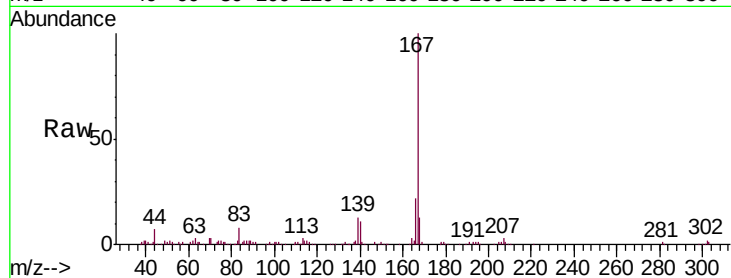
Tgt Ion:167 Resp: 207713

Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.0

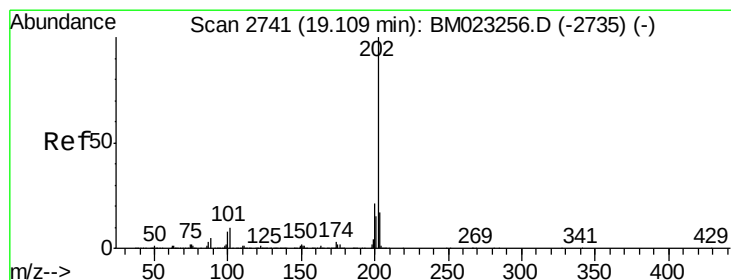
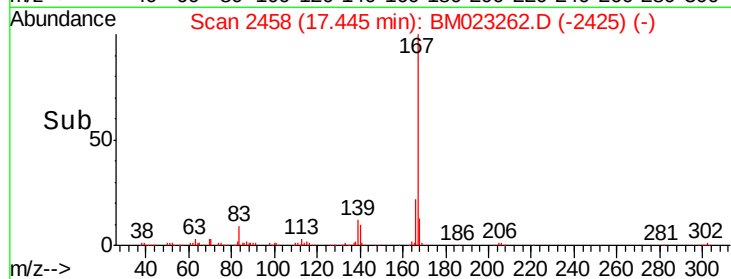
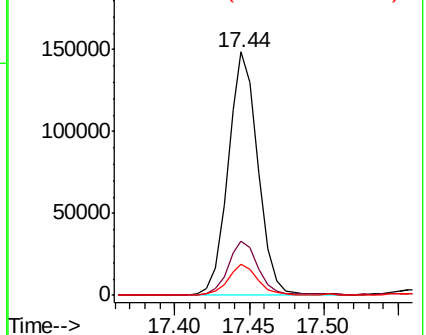
139 12.6 10.2 15.2



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



#77

Fluoranthene

Concen: 25.060 ng/ul

RT: 19.11 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

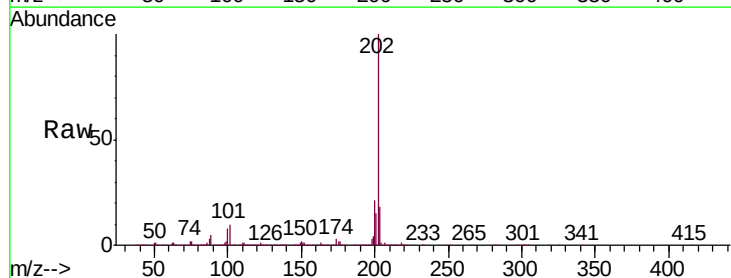
Tgt Ion:202 Resp: 3011229

Ion Ratio Lower Upper

202 100

101 9.7 7.8 11.8

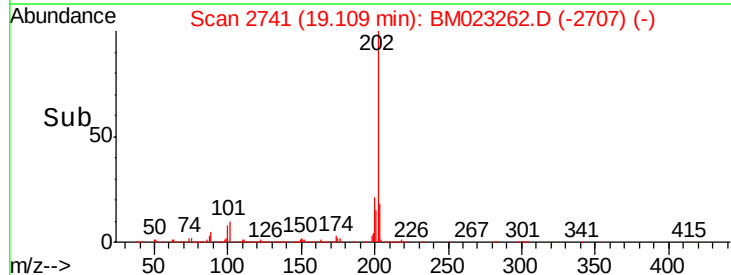
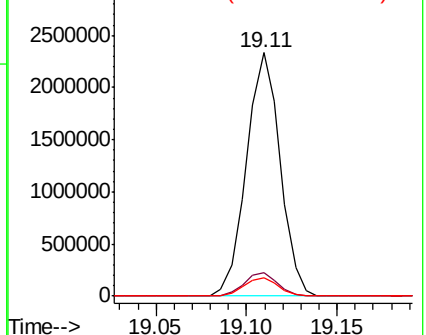
100 7.6 6.1 9.1

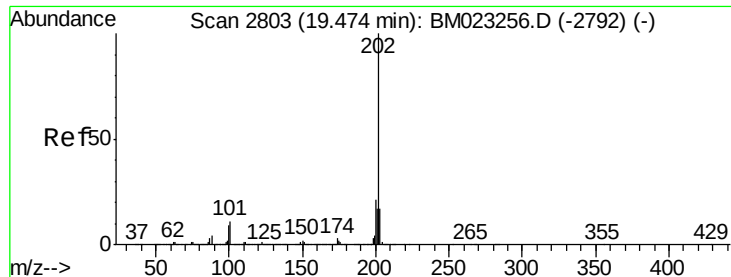


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

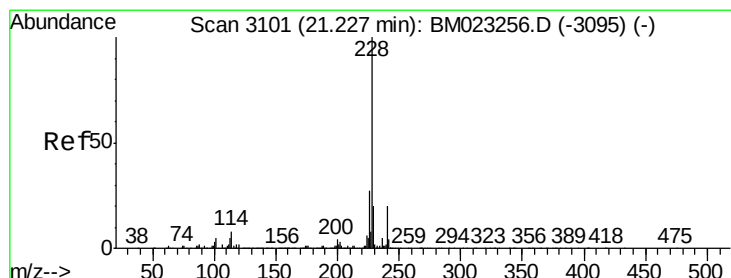
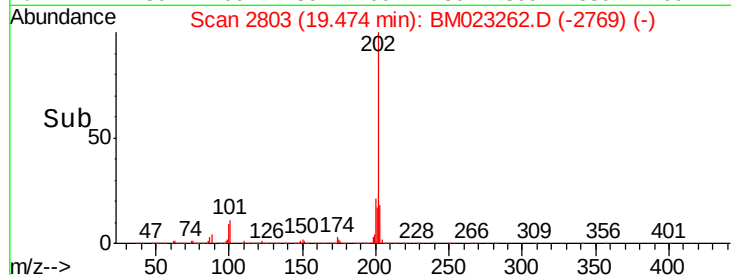
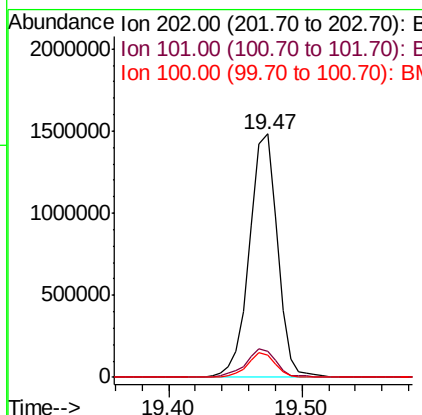
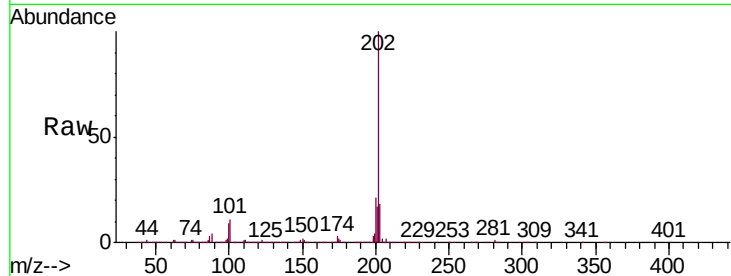




#80
 Pyrene
 Concen: 17.495 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. -0.00 min
 Lab File: BM023262.D
 Acq: 18 Oct 2019 17:49

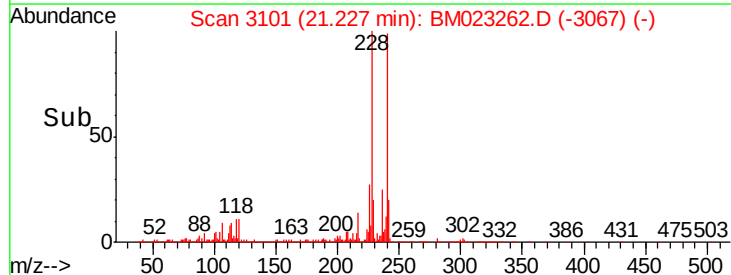
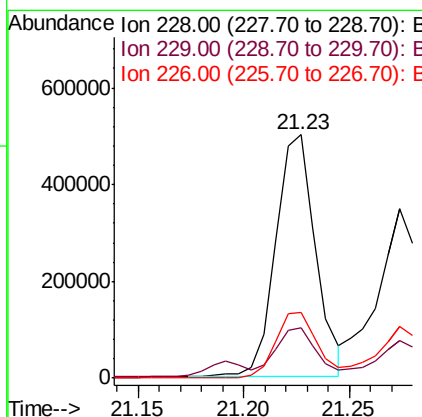
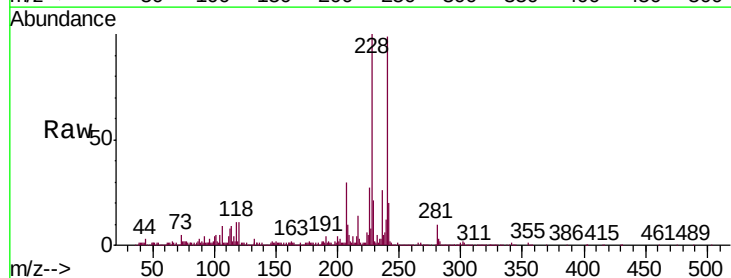
Instrument :
 BNA_M
 ClientSampleId :
 ETOJ8DL

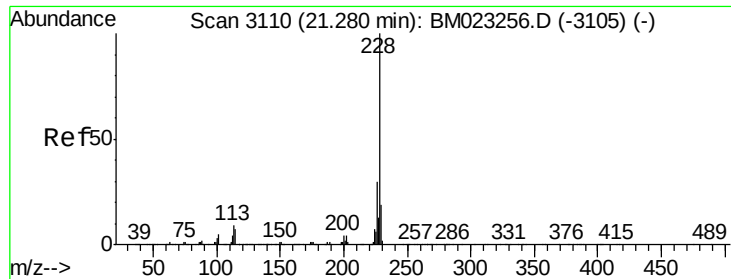
Tgt Ion:202 Resp: 2141631
 Ion Ratio Lower Upper
 202 100
 101 10.9 9.1 13.7
 100 9.1 7.5 11.3



#83
 Benzo(a)anthracene
 Concen: 5.015 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: BM023262.D
 Acq: 18 Oct 2019 17:49

Tgt Ion:228 Resp: 663975
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.7 23.5
 226 27.1 21.6 32.4





#85

Chrysene

Concen: 4.048 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

Instrument :

BNA_M

ClientSampleId :

ETOJ8DL

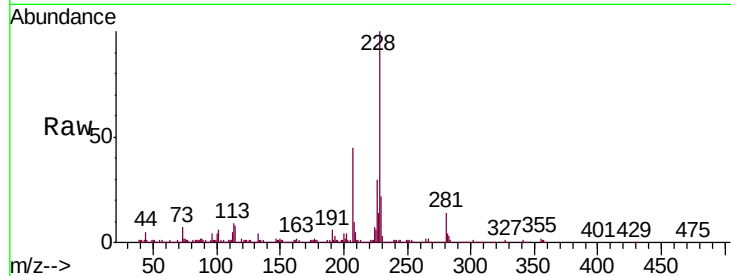
Tgt Ion:228 Resp: 497689

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

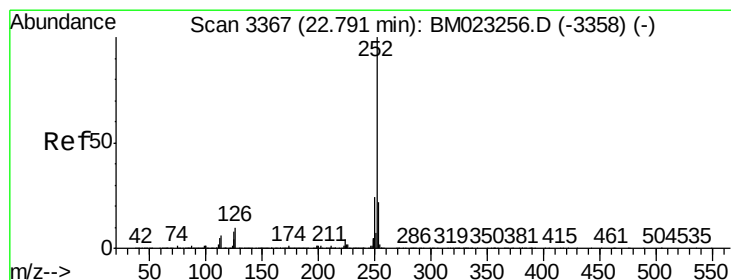
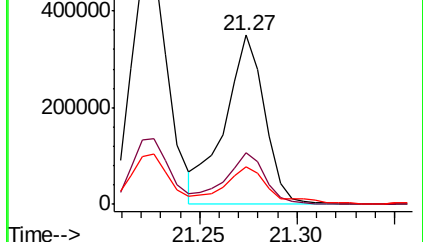
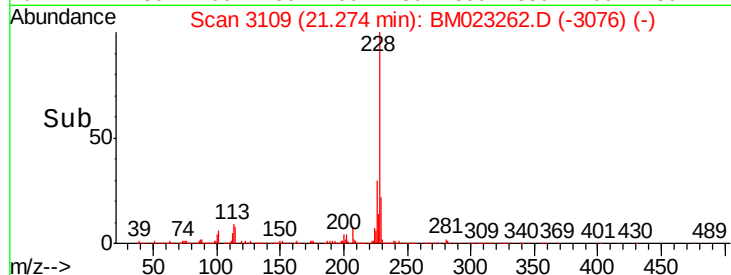
229 22.4 15.5 23.3



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: 3.668 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.00 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

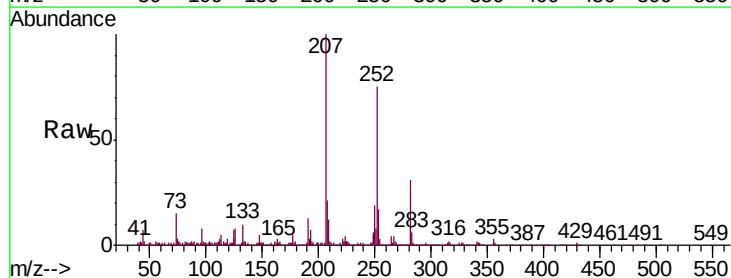
Tgt Ion:252 Resp: 523123

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

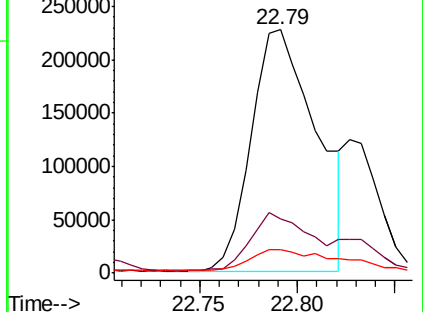
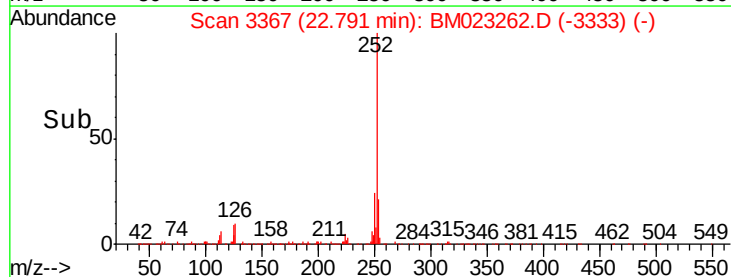
125 9.4 6.4 9.6

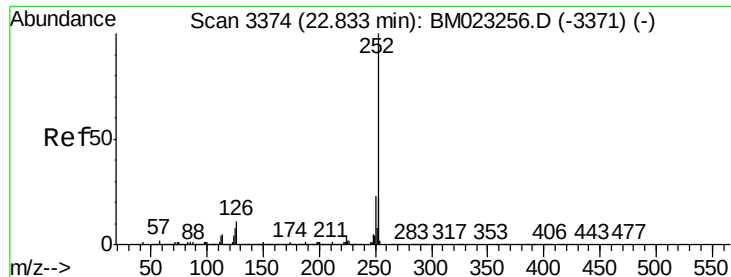


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.831 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.04 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

Instrument :

BNA_M

ClientSampleId :

ETOJ8DL

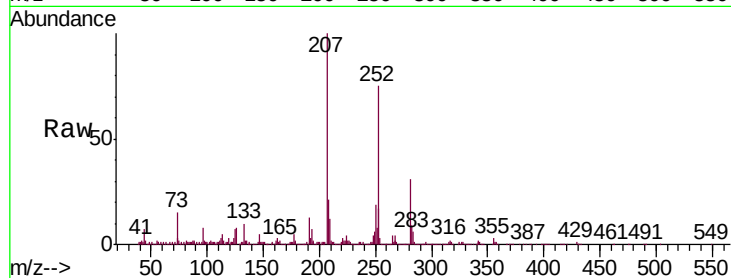
Tgt Ion:252 Resp: 524609

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

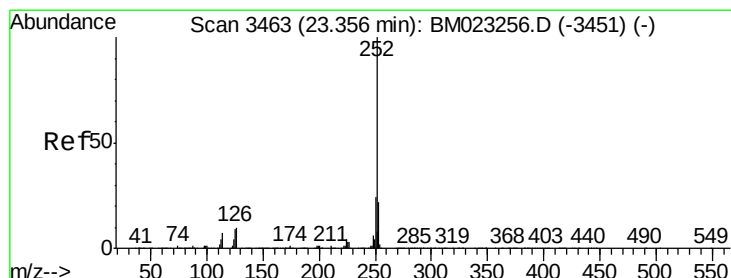
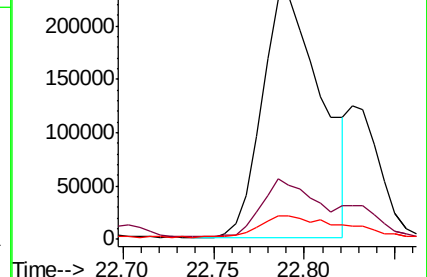
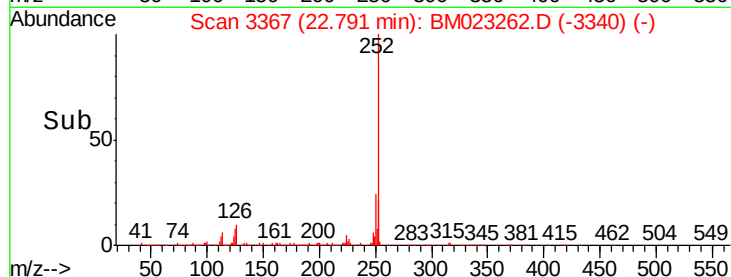
125 9.4 6.5 9.7



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



#91

Benzo(a)pyrene

Concen: 2.232 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BM023262.D

Acq: 18 Oct 2019 17:49

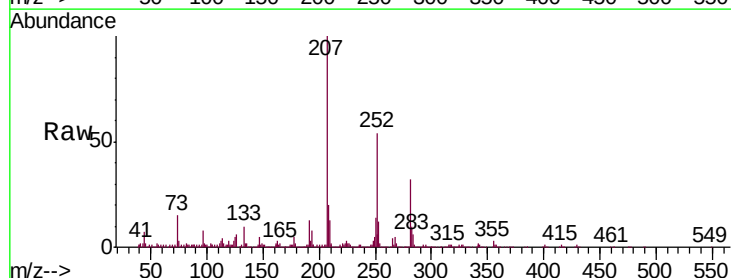
Tgt Ion:252 Resp: 305405

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 10.0 7.4 11.0



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

