

Data File : BM023261.D
Acq On : 18 Oct 2019 17:13
Operator : JU
Sample : K5345-05 30X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ETOJ8

Quant Time: Oct 19 01:32:58 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	397345	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1532462	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	934227	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1846556	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1978609	20.00	ng/ul	0.00
86) Perylene-d12	23.45	264	2387850	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	691	0.08	ng/uL	0.01
5) Phenol-d5	6.83	99	19096	0.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	12317	0.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	15277	0.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	14801	0.53	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	7823	0.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	7157	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	15451	0.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	23984	0.79	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	52800	0.74	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	56503	0.67	ng/ul	0.00
52) 4-Nitrophenol-d4	14.51	143	8113	0.70	ng/ul	0.00
58) Fluorene-d10	15.30	176	46843	0.77	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	1255	0.17	ng/ul	0.00
71) Anthracene-d10	17.15	188	74105	0.83	ng/ul	0.00
79) Pyrene-d10	19.44	212	76775	0.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	88747	0.73	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.49	128	11426620	144.261	ng/ul 98
30) 4-Chloroaniline	10.49	127	1528726	48.375	ng/ul# 12
34) 2-Methylnaphthalene	12.11	142	3035541	51.502	ng/ul 99
35) 1-Methylnaphthalene	12.33	142	1582171	27.737	ng/ul 99
41) 1,1'-Biphenyl	13.13	154	964829	13.573	ng/ul 98
48) Acenaphthylene	14.02	152	488891	5.694	ng/ul# 96
50) Acenaphthene	14.37	153	7151420	119.623	ng/ul 99
54) Dibenzofuran	14.70	168	7777578	91.642	ng/ul 99
59) Fluorene	15.36	166	7951368	114.192	ng/ul 99
61) 4-Nitroaniline	15.36	138	89290	6.121	ng/ul# 15
70) Phenanthrene	17.19	178	4460617	43.044	ng/ul 98
72) Anthracene	17.19	178	4460617	41.654	ng/ul 99
75) Carbazole	17.45	167	2226838	23.277	ng/ul 100
77) Fluoranthene	19.26	202	238759	1.937	ng/ul 98
80) Pyrene	19.47	202	16255006	131.140	ng/ul# 91
83) Benzo(a)anthracene	21.23	228	6658309	49.665	ng/ul 97
85) Chrysene	21.28	228	4842308	38.899	ng/ul 97
88) Benzo(b)fluoranthene	22.80	252	5073513	35.044	ng/ul 99
89) Benzo(k)fluoranthene	22.80	252	5073513	36.496	ng/ul 98
91) Benzo(a)pyrene	23.36	252	3175001	22.858	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.66	276	1477017	8.939	ng/ul 97
93) Dibenzo(a,h)anthracene	25.67	278	441696	3.197	ng/ul# 90
94) Benzo(g,h,i)perylene	26.33	276	1232694	9.061	ng/ul 98

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101719\
Quantitation Report (Not Reviewed)

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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 File : BM023261.D

Acq On : 18 Oct 2019 17:13

Operator : JU

Sample : K5345-05 30X

Misc :

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Instrument :

BNA_M

ClientSampleId :

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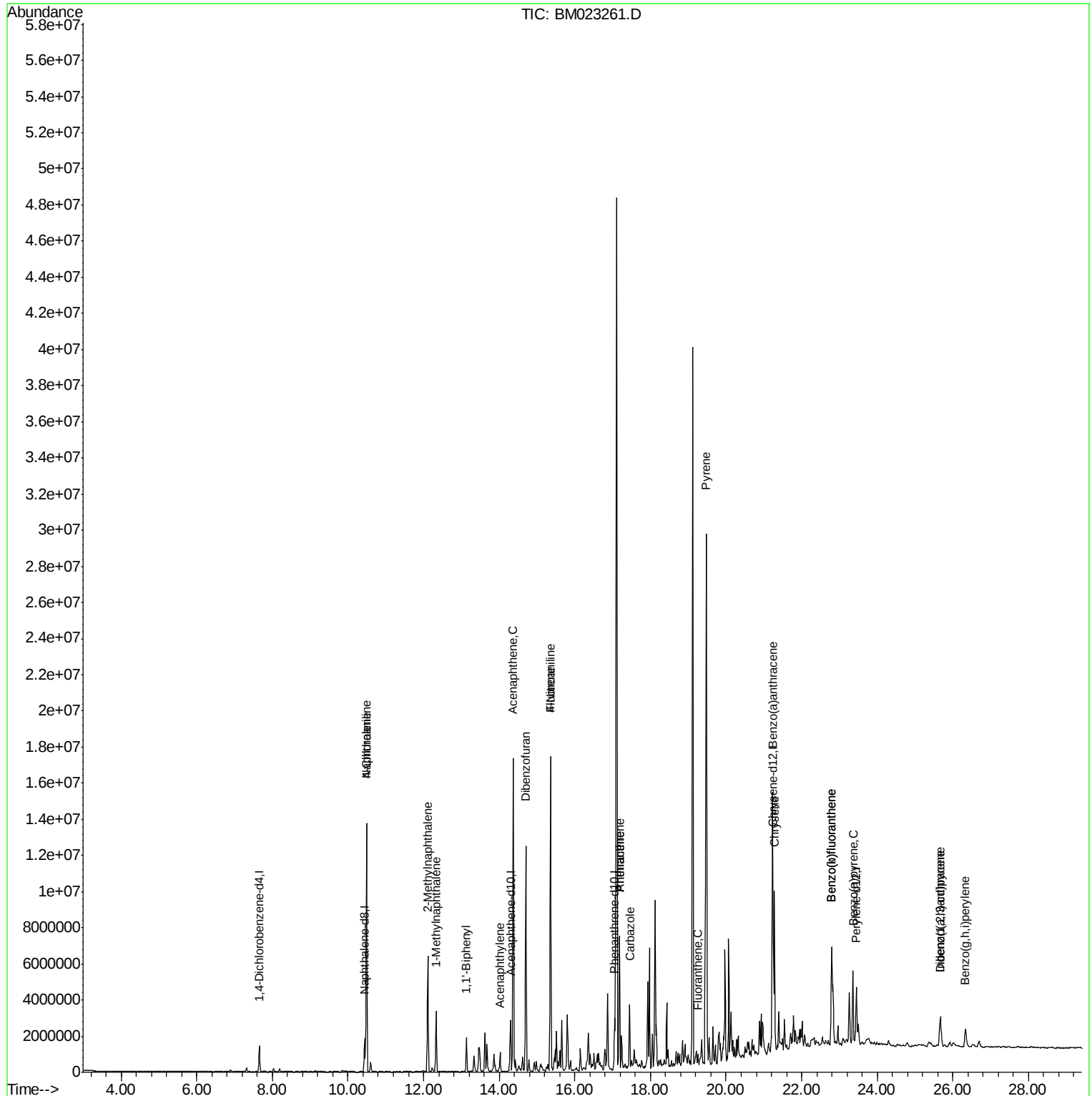
Quant Time: Oct 19 01:32:58 2019

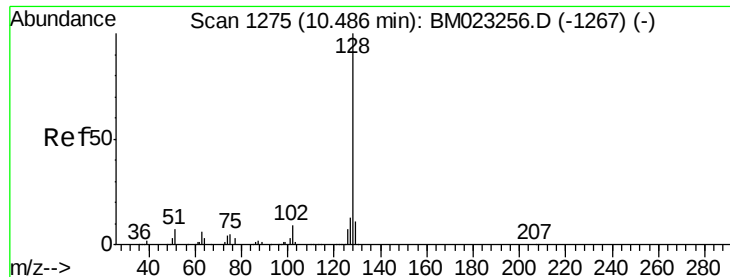
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 19 01:30:09 2019

Response via : Initial Calibration

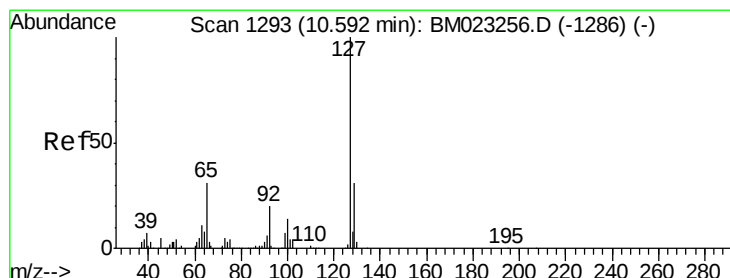
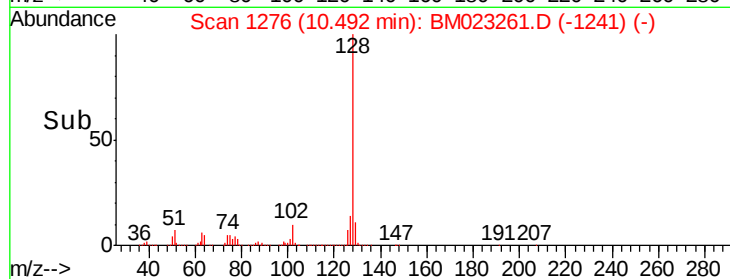
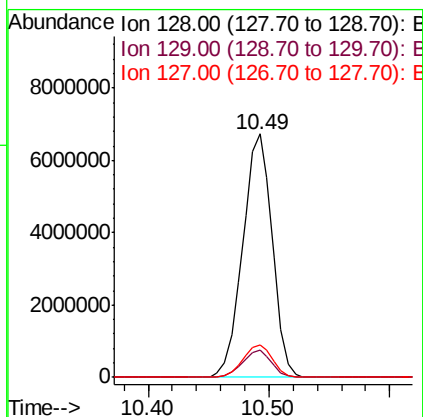
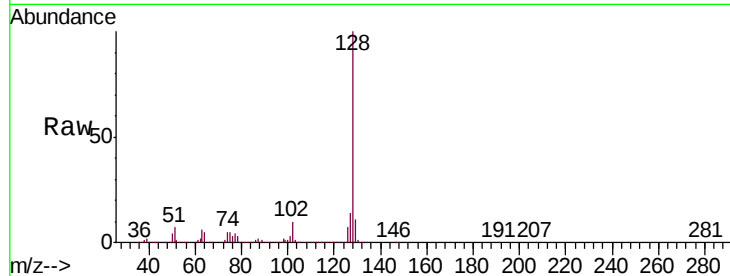




#28
Naphthalene
Concen: 144.261 ng/ul
RT: 10.49 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

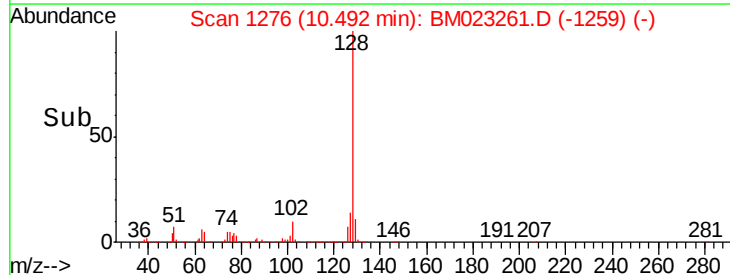
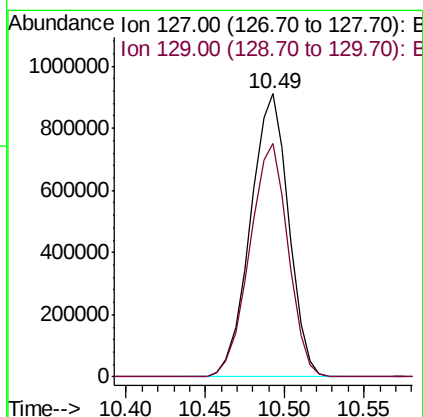
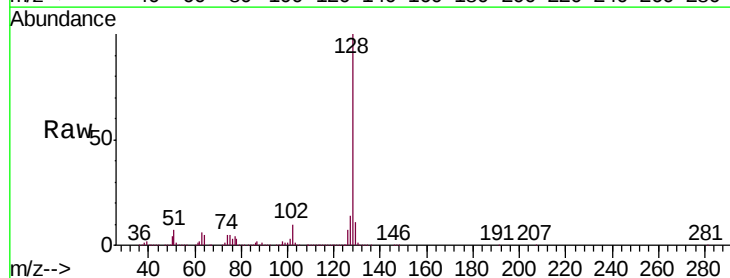
Instrument :
BNA_M
ClientSampleId :
ETOJ8

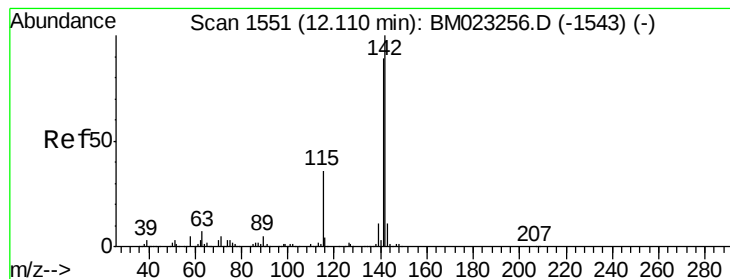
Tgt Ion:128 Resp:11426620
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 13.5 10.2 15.4



#30
4-Chloroaniline
Concen: 48.375 ng/ul
RT: 10.49 min Scan# 1276
Delta R.T. -0.10 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Tgt Ion:127 Resp: 1528726
Ion Ratio Lower Upper
127 100
129 82.3 26.3 39.5#





#34

2-Methylnaphthalene

Concen: 51.502 ng/ul

RT: 12.11 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

Instrument :

BNA_M

ClientSampleId :

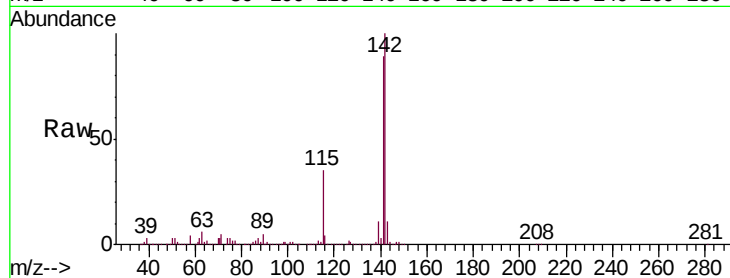
ETOJ8

Tgt Ion:142 Resp: 3035541

Ion Ratio Lower Upper

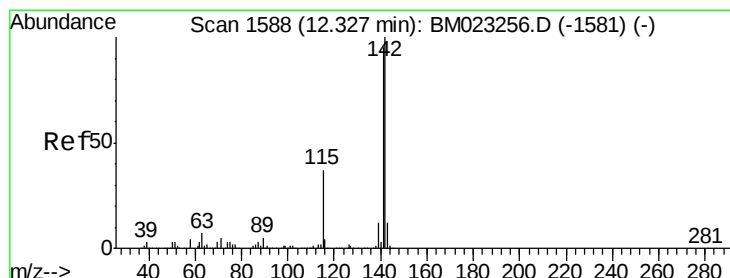
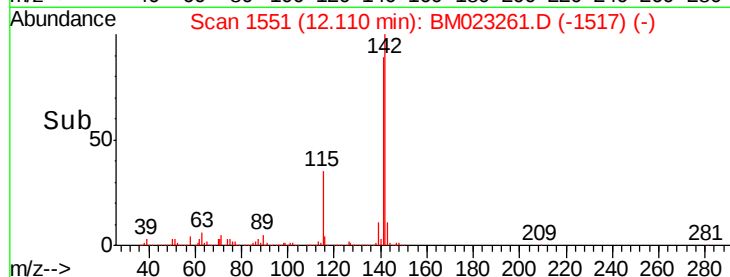
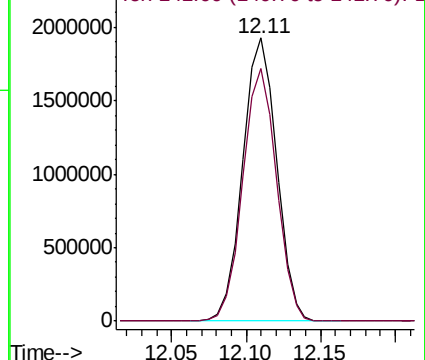
142 100

141 89.3 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: 27.737 ng/ul

RT: 12.33 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

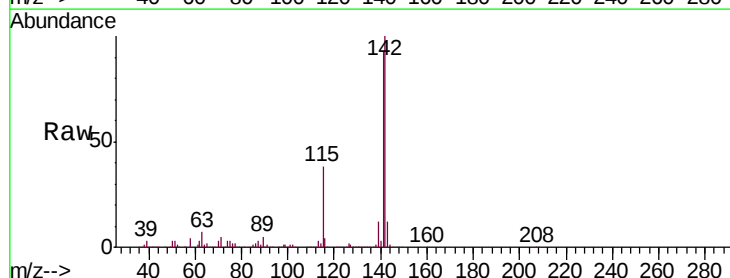
Tgt Ion:142 Resp: 1582171

Ion Ratio Lower Upper

142 100

141 93.5 74.2 111.2

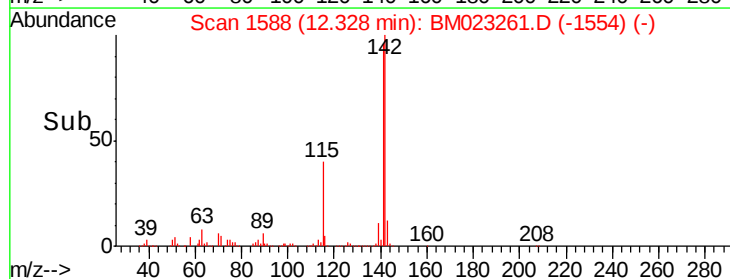
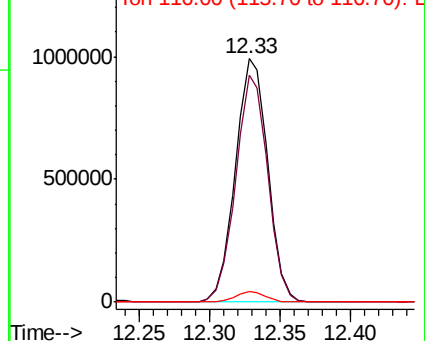
116 4.2 3.3 4.9

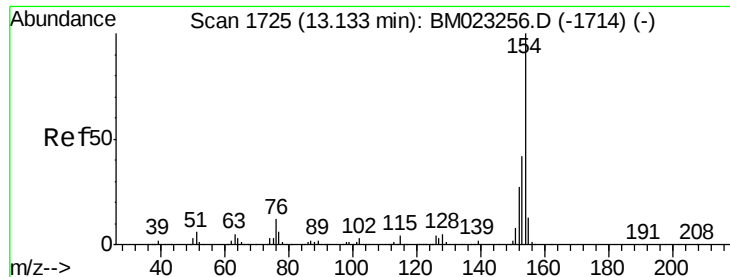


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

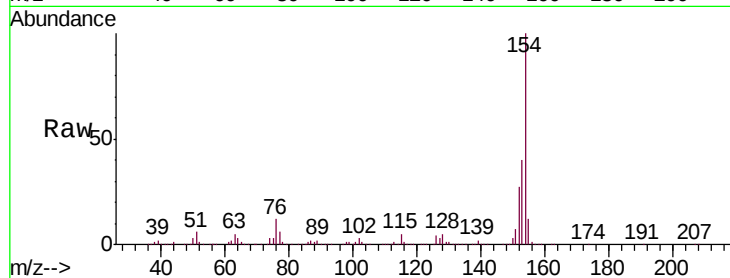




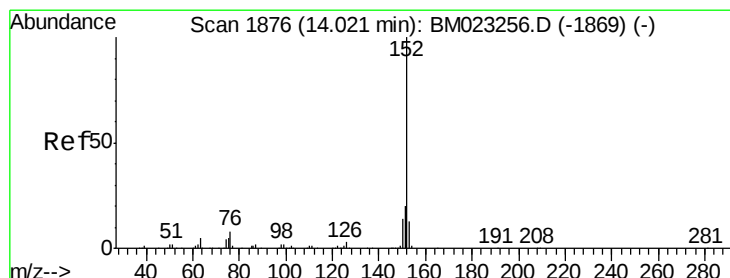
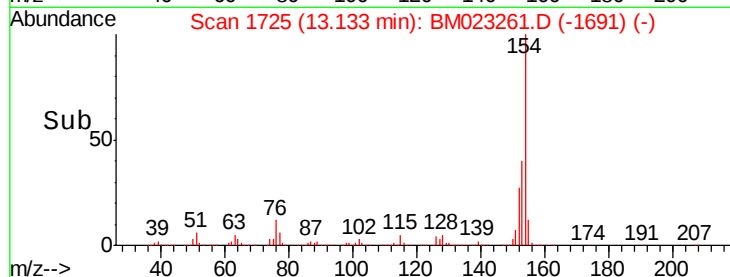
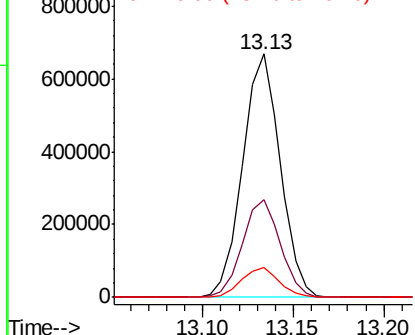
#41
1,1'-Biphenyl
Concen: 13.573 ng/ul
RT: 13.13 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Instrument :
BNA_M
ClientSampleId :
ETOJ8

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	33.1	49.7
76	12.1	10.6	15.8

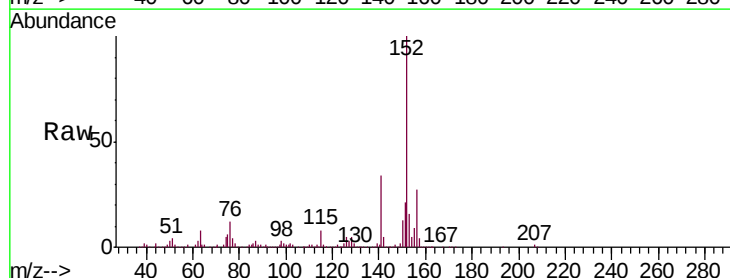


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

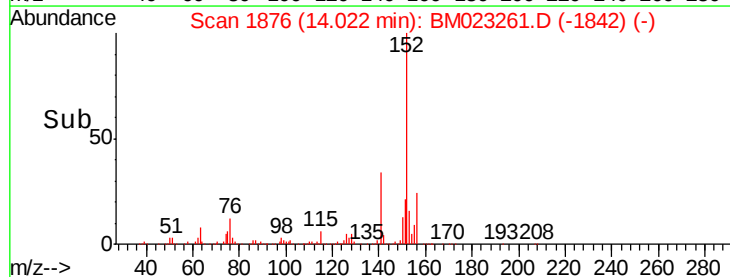
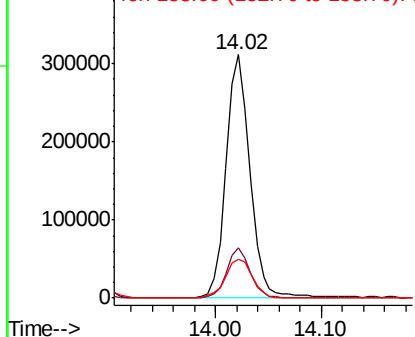


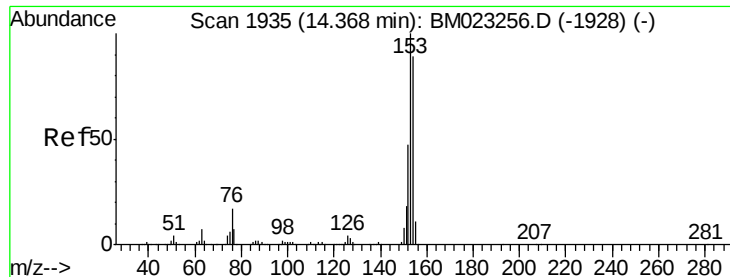
#48
Acenaphthylene
Concen: 5.694 ng/ul
RT: 14.02 min Scan# 1876
Delta R.T. 0.00 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	16.1	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





#50

Acenaphthene

Concen: 119.623 ng/ul

RT: 14.37 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

Instrument :

BNA_M

ClientSampleId :

ETOJ8

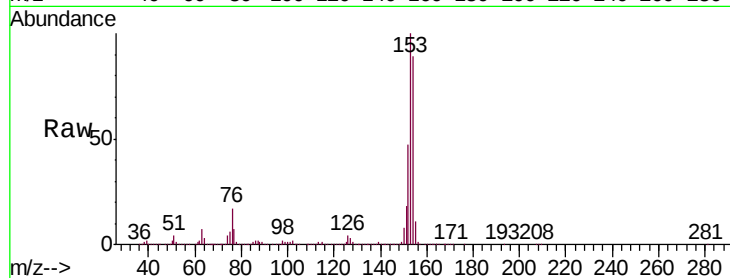
Tgt Ion:153 Resp: 7151420

Ion Ratio Lower Upper

153 100

152 47.3 38.0 57.0

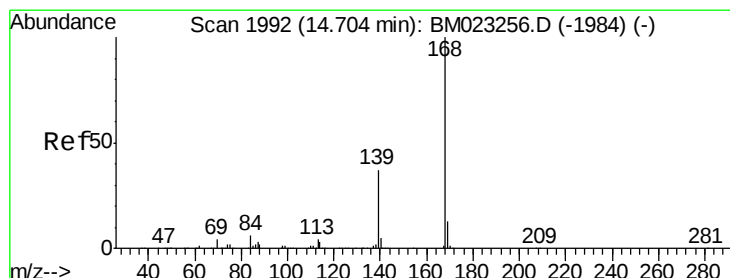
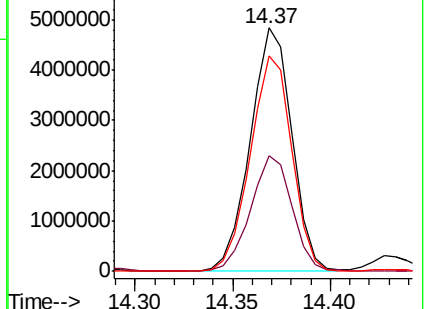
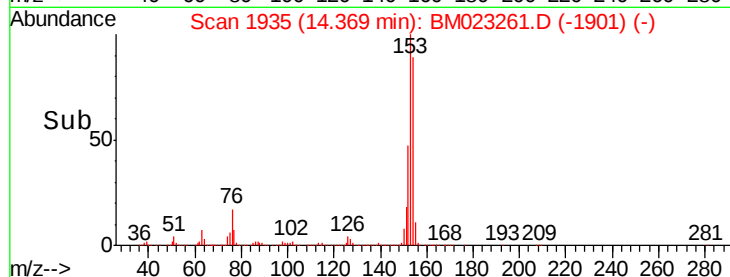
154 88.6 70.4 105.6



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: 91.642 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BM023261.D

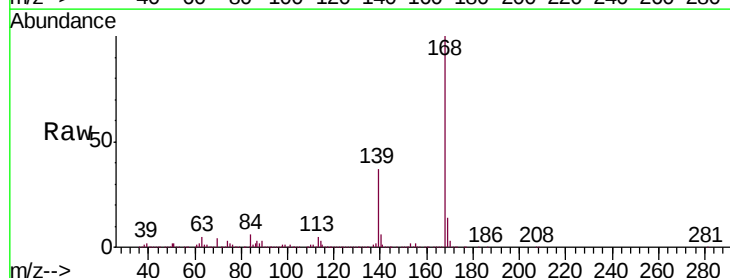
Acq: 18 Oct 2019 17:13

Tgt Ion:168 Resp: 7777578

Ion Ratio Lower Upper

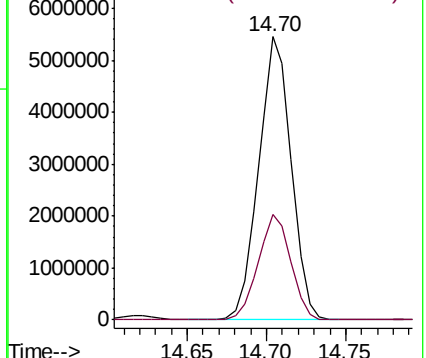
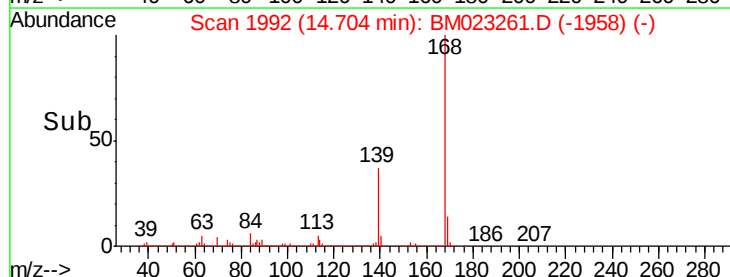
168 100

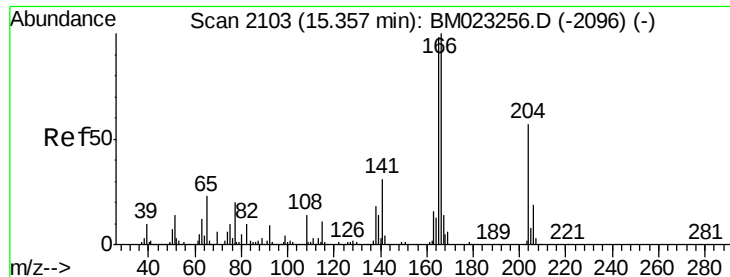
139 37.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 114.192 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

Instrument :

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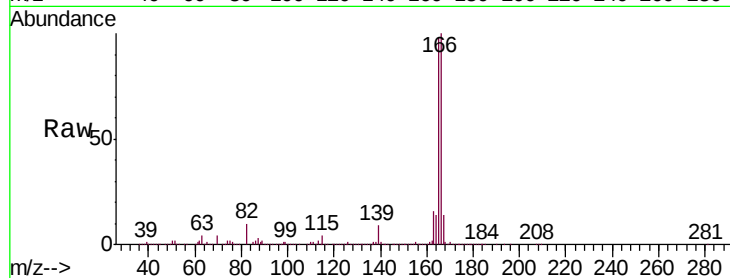
Tgt Ion:166 Resp: 7951368

Ion Ratio Lower Upper

166 100

165 97.9 77.4 116.0

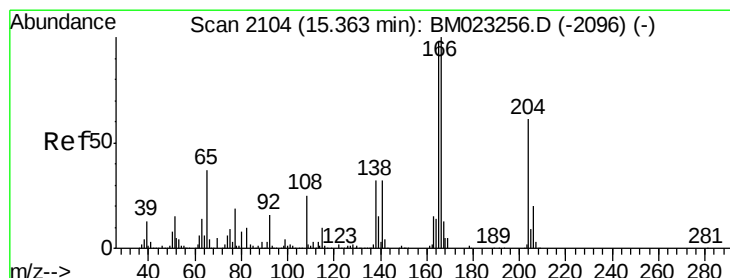
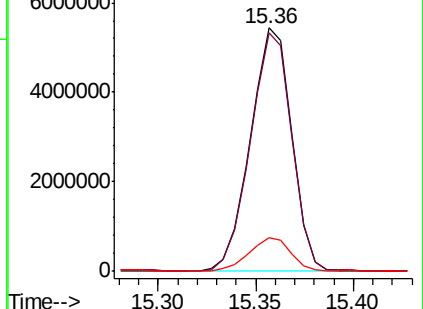
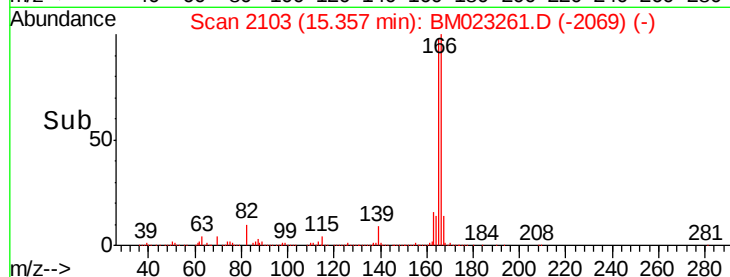
167 14.0 10.8 16.2



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



#61

4-Nitroaniline

Concen: 6.121 ng/ul

RT: 15.36 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

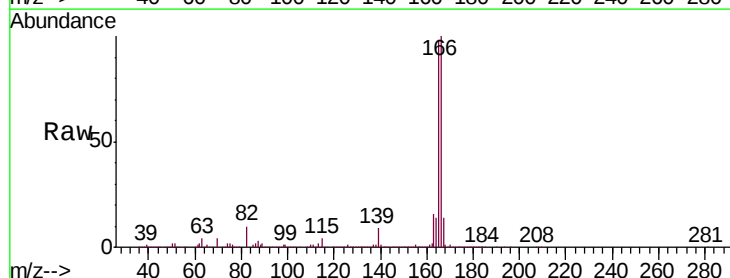
Tgt Ion:138 Resp: 89290

Ion Ratio Lower Upper

138 100

92 1.3 42.6 64.0#

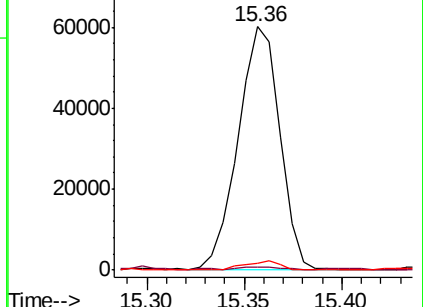
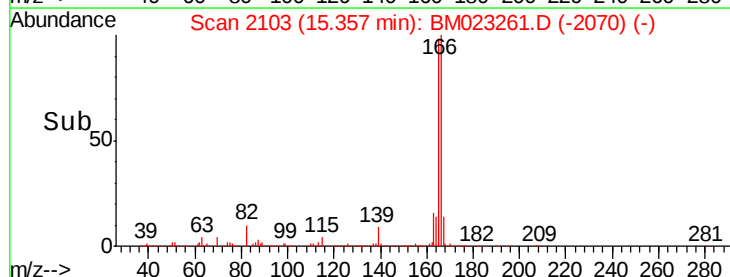
108 2.9 71.9 107.9#

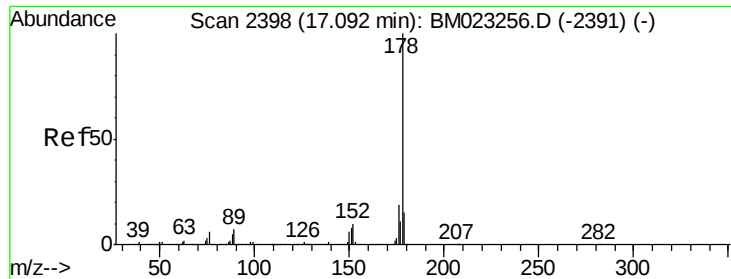


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E

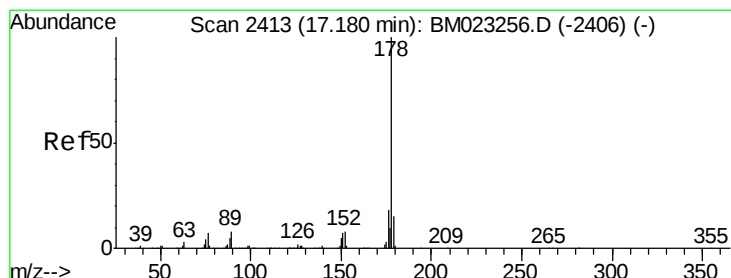
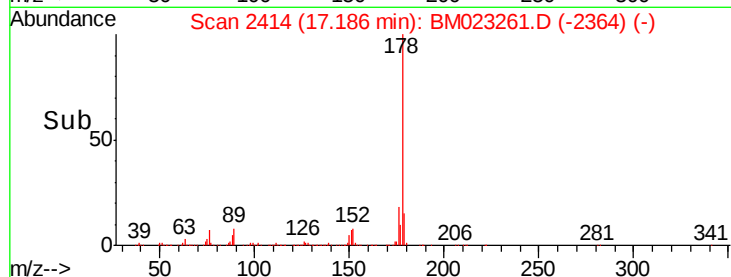
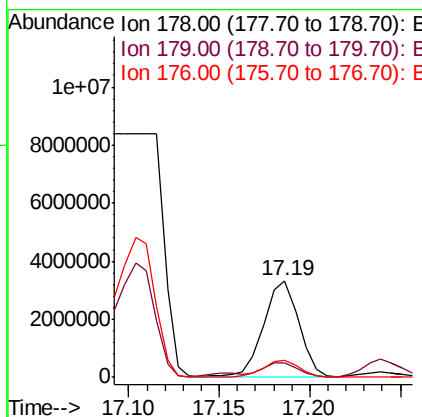
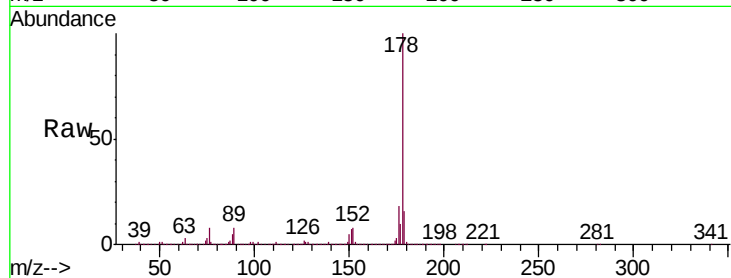




#70
Phenanthrene
Concen: 43.044 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. 0.09 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

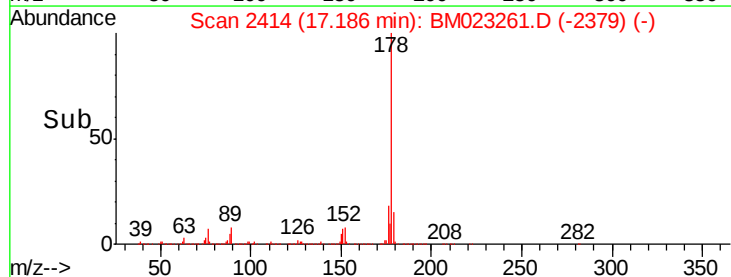
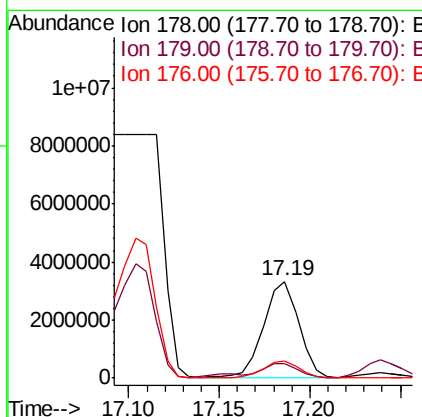
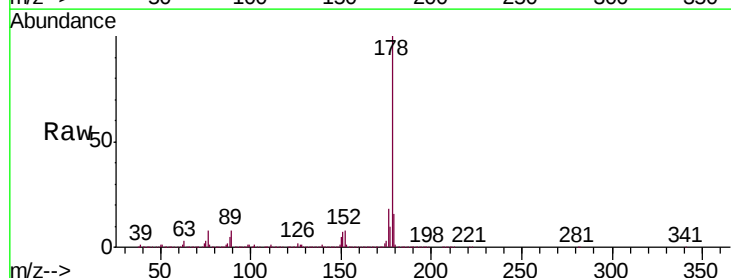
Instrument :
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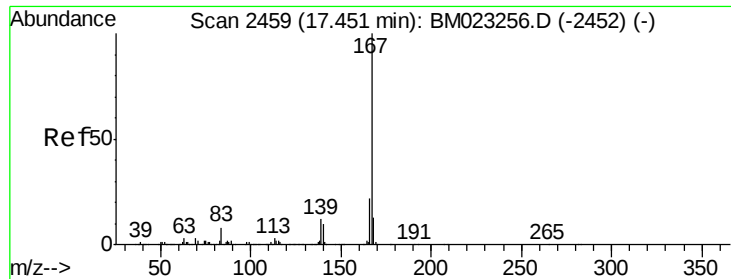
Tgt Ion:178 Resp: 4460617
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.2 15.5 23.3



#72
Anthracene
Concen: 41.654 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Tgt Ion:178 Resp: 4460617
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.2 15.0 22.4

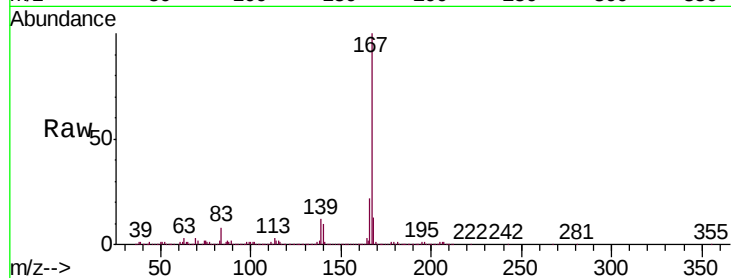




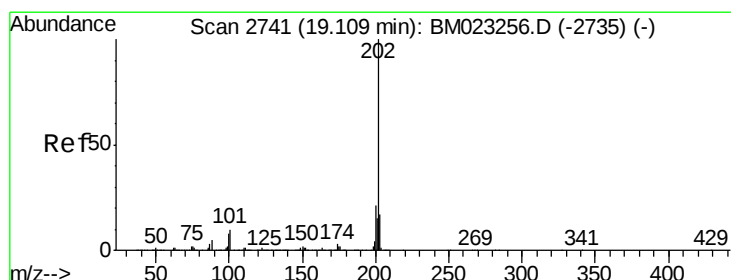
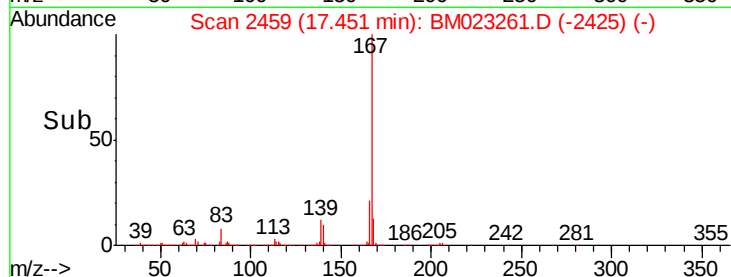
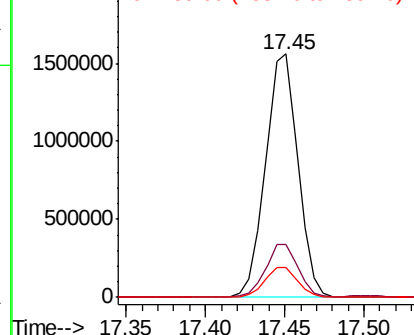
#75
 Carbazole
 Concen: 23.277 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: BM023261.D
 Acq: 18 Oct 2019 17:13

Instrument :
 BNA_M
 ClientSampleId :
 ETOJ8

Tgt Ion:167 Resp: 2226838
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 12.4 10.2 15.2

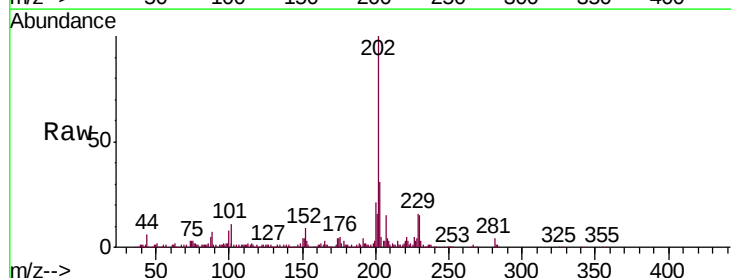


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

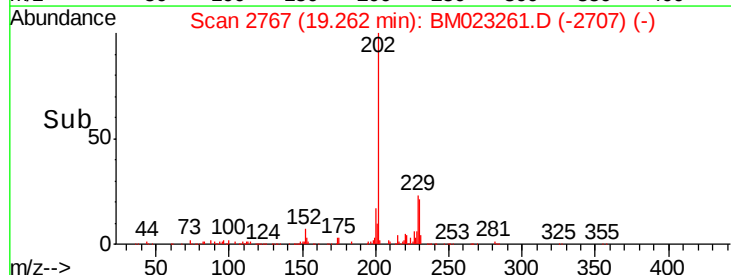
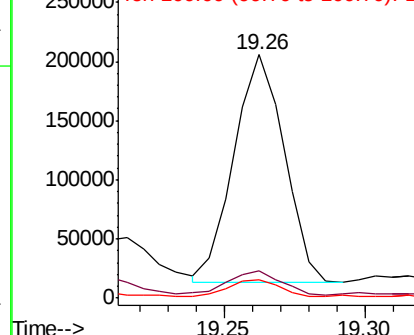


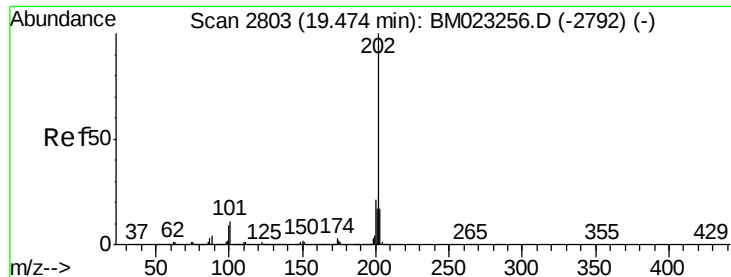
#77
 Fluoranthene
 Concen: 1.937 ng/ul
 RT: 19.26 min Scan# 2767
 Delta R.T. 0.15 min
 Lab File: BM023261.D
 Acq: 18 Oct 2019 17:13

Tgt Ion:202 Resp: 238759
 Ion Ratio Lower Upper
 202 100
 101 11.2 7.8 11.8
 100 7.7 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): B

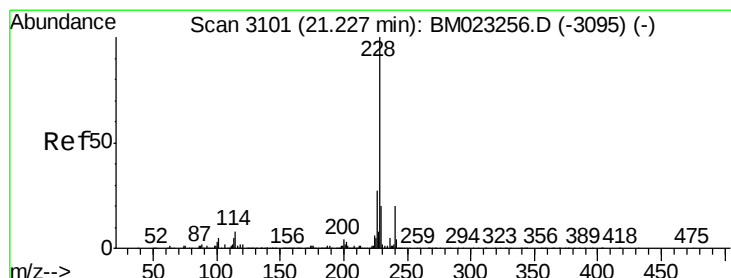
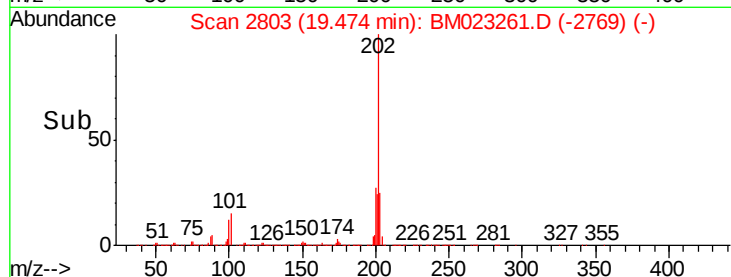
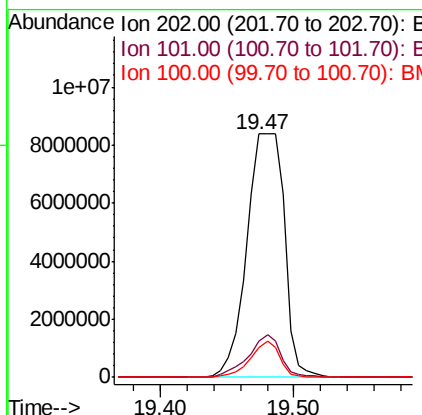
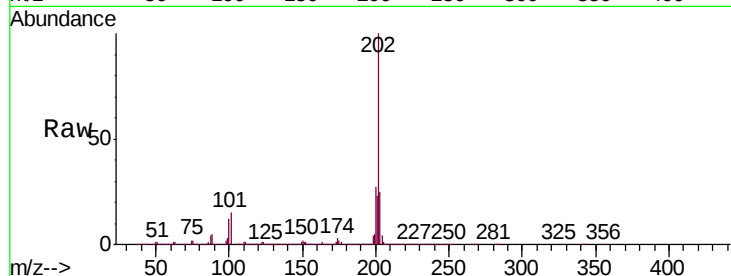




#80
 Pyrene
 Concen: 131.140 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. 0.00 min
 Lab File: BM023261.D
 Acq: 18 Oct 2019 17:13

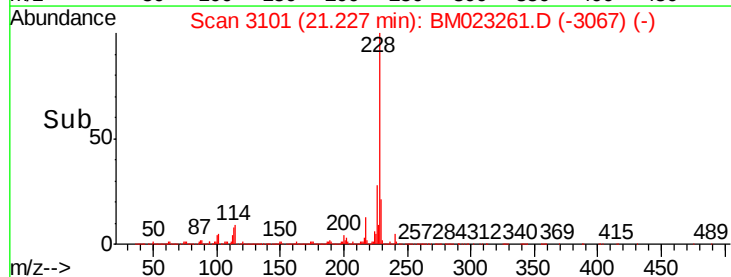
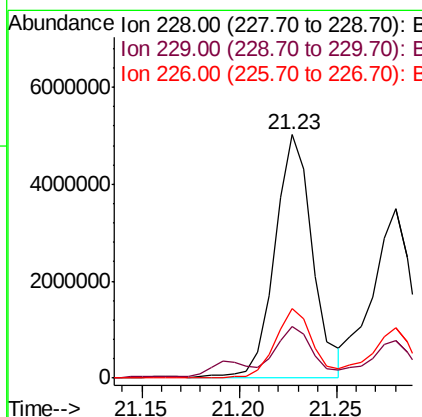
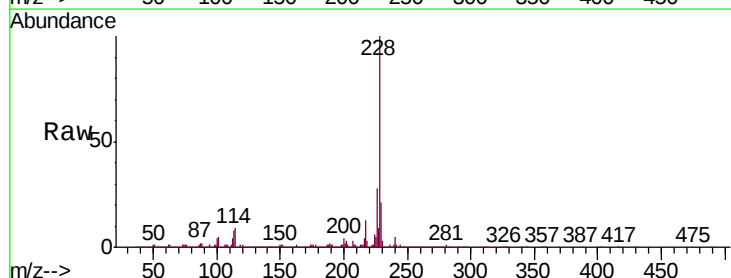
Instrument :
 BNA_M
 ClientSampleId :
 ETOJ8

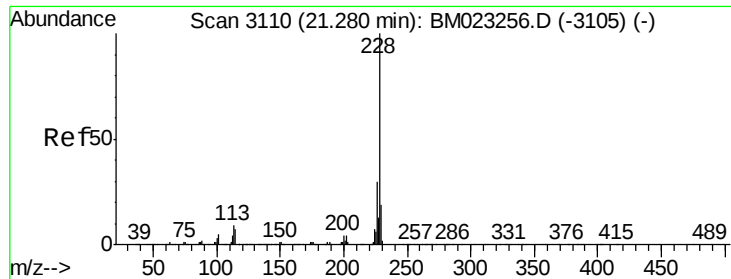
Tgt Ion:202 Resp:16255006
 Ion Ratio Lower Upper
 202 100
 101 15.0 9.1 13.7#
 100 12.3 7.5 11.3#



#83
 Benzo(a)anthracene
 Concen: 49.665 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. 0.00 min
 Lab File: BM023261.D
 Acq: 18 Oct 2019 17:13

Tgt Ion:228 Resp: 6658309
 Ion Ratio Lower Upper
 228 100
 229 21.1 15.7 23.5
 226 28.4 21.6 32.4

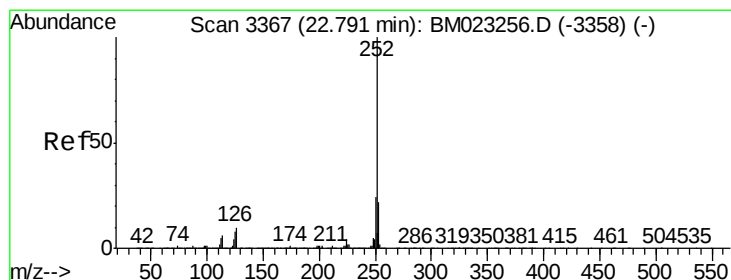
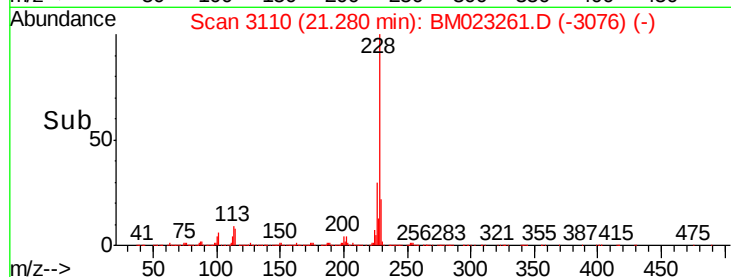
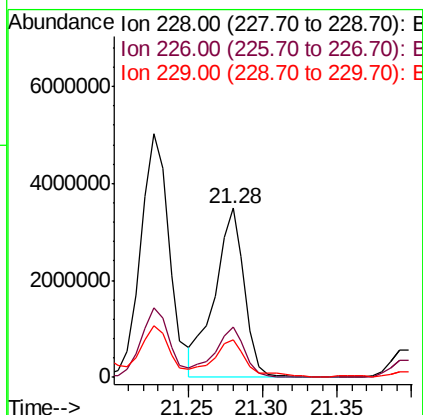
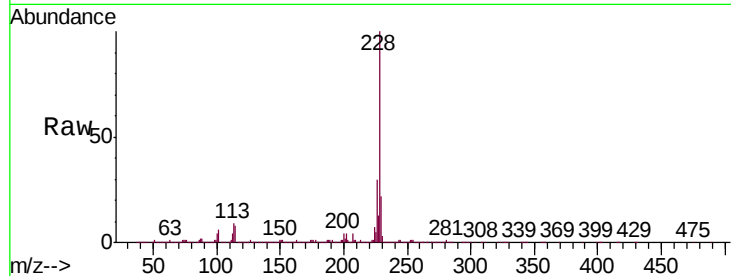




#85
Chrysene
Concen: 38.899 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

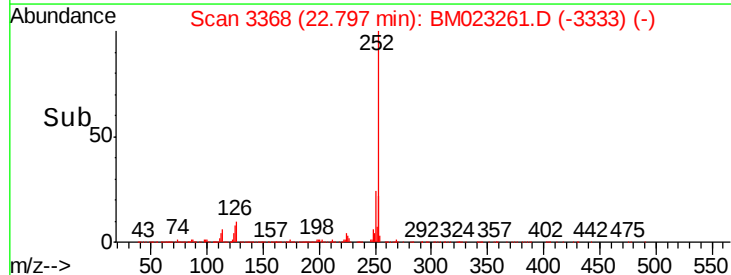
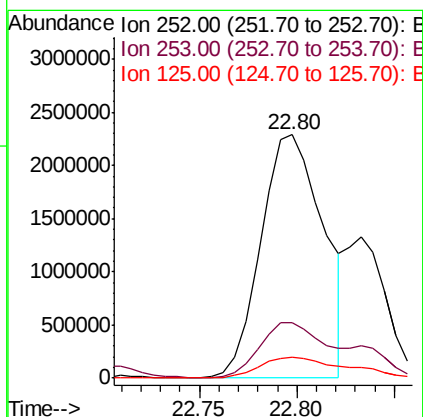
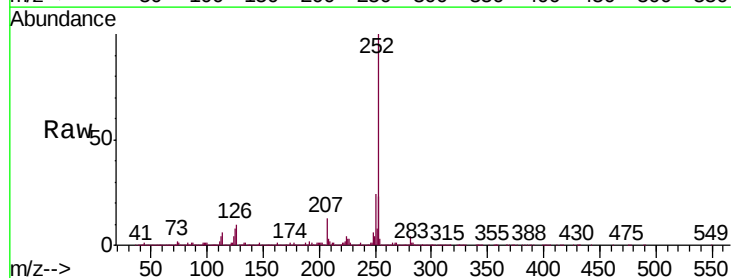
Instrument :
BNA_M
ClientSampleId :
ETOJ8

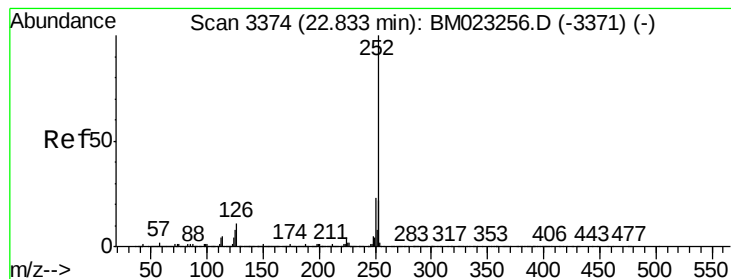
Tgt Ion:228 Resp: 4842308
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.4 15.5 23.3



#88
Benzo(b)fluoranthene
Concen: 35.044 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Tgt Ion:252 Resp: 5073513
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 8.4 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 36.496 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.04 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

Instrument :

BNA_M

ClientSampleId :

ETOJ8

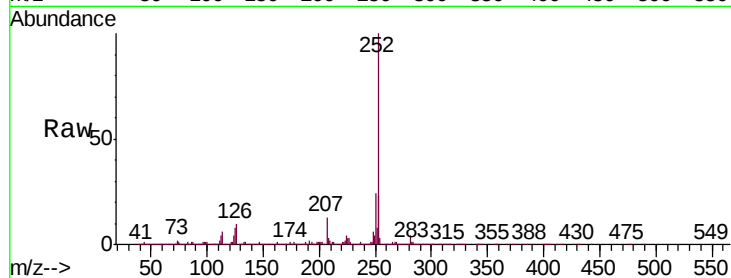
Tgt Ion:252 Resp: 5073513

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 8.4 6.5 9.7

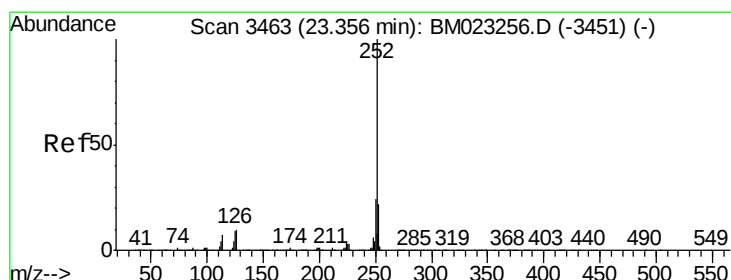
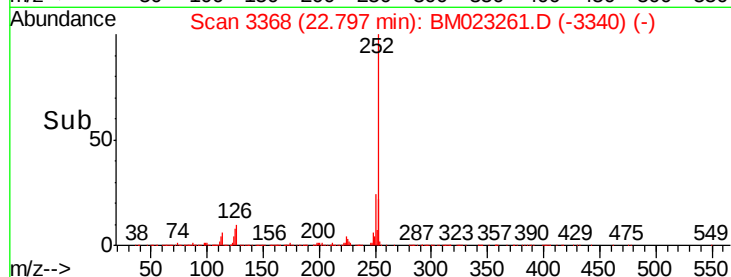
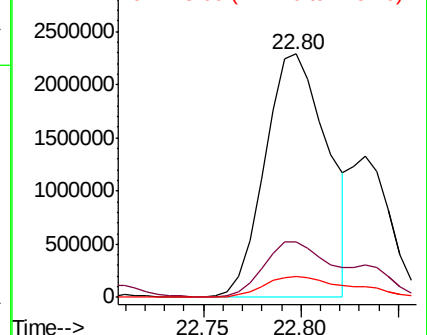


Abundance

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: 22.858 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.00 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

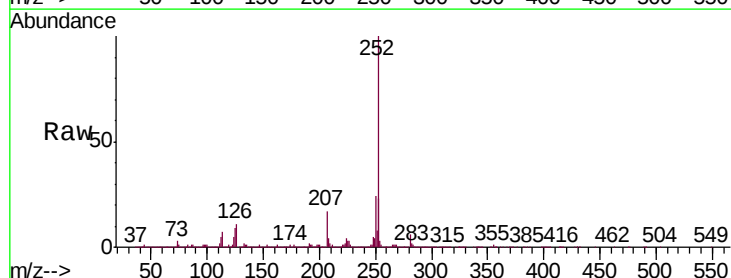
Tgt Ion:252 Resp: 3175001

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 8.7 7.4 11.0

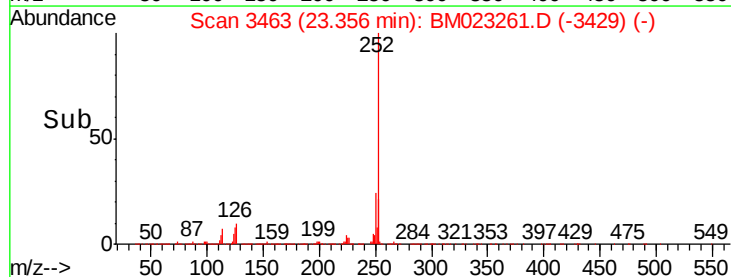
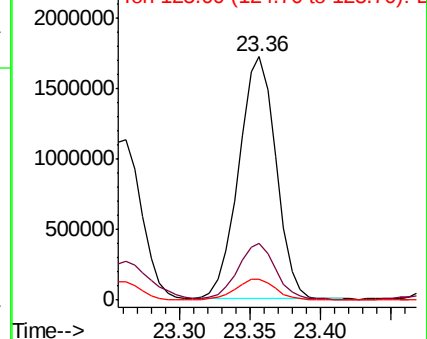


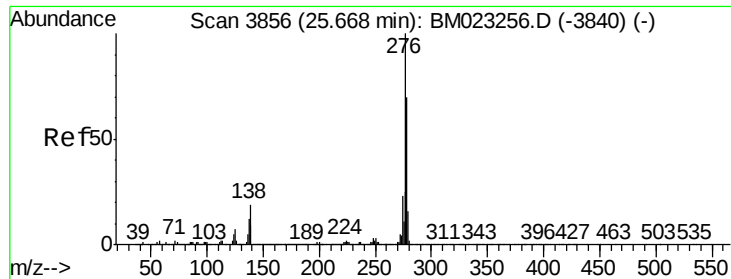
Abundance

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



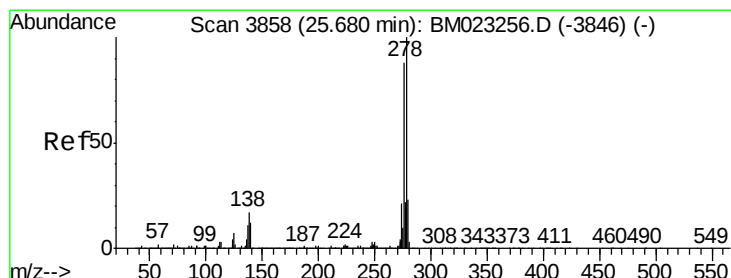
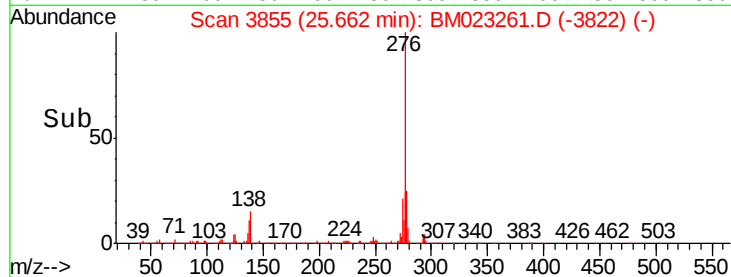
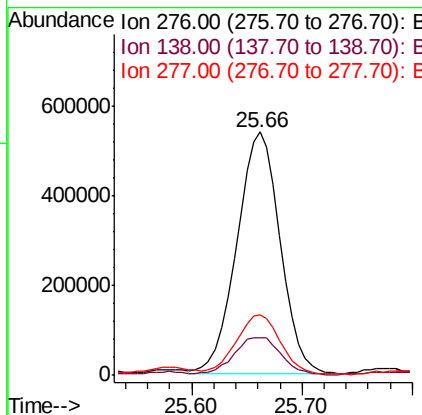
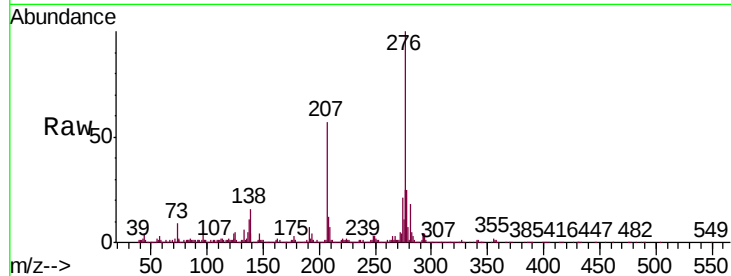


#92

Indeno(1,2,3-cd)pyrene
Concen: 8.939 ng/ul
RT: 25.66 min Scan# 3856
Delta R.T. -0.01 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Instrument :
BNA_M
ClientSampleId :
ETOJ8

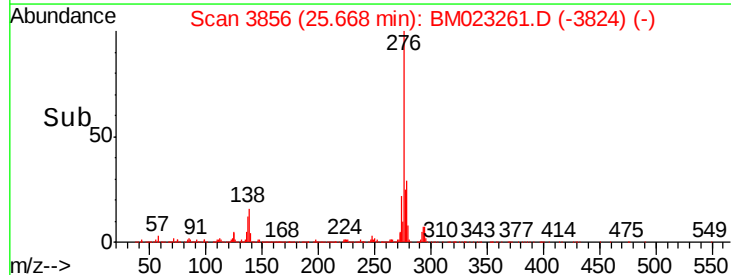
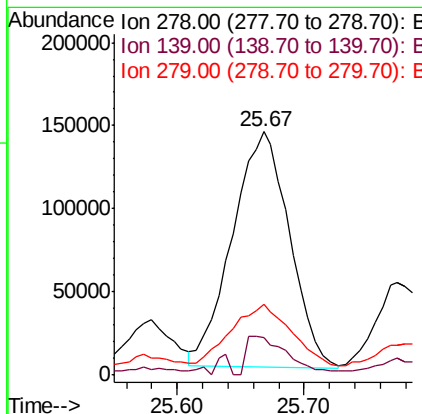
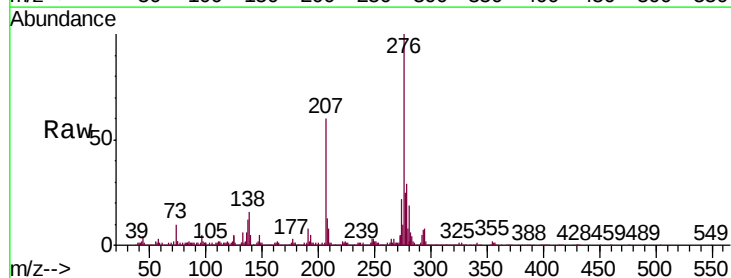
Tgt Ion:276 Resp: 1477017
Ion Ratio Lower Upper
276 100
138 15.6 14.9 22.3
277 24.8 19.8 29.8

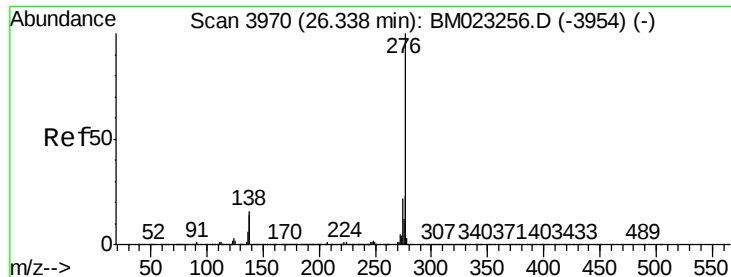


#93

Dibenzo(a,h)anthracene
Concen: 3.197 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. -0.01 min
Lab File: BM023261.D
Acq: 18 Oct 2019 17:13

Tgt Ion:278 Resp: 441696
Ion Ratio Lower Upper
278 100
139 15.6 10.0 15.0#
279 29.3 19.4 29.0#





#94

Benzo(g,h,i)perylene

Concen: 9.061 ng/ul

RT: 26.33 min Scan# 3969

Delta R.T. -0.01 min

Lab File: BM023261.D

Acq: 18 Oct 2019 17:13

Instrument :

BNA_M

ClientSampleId :

ETOJ8

Tgt Ion:276 Resp: 1232694

Ion Ratio Lower Upper

276 100

138 16.3 14.4 21.6

277 24.3 19.4 29.2

