

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101119\
 Data File : BM023134.D
 Acq On : 11 Oct 2019 17:44
 Operator : JU
 Sample : K5124-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 22:48:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 08 15:02:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	177679	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	681866	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.42	164	366319	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.15	188	695850	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	653566	20.00	ng/ul	0.01
86) Perylene-d12	23.61	264	932895	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	12377	3.01	ng/uL	0.00
5) Phenol-d5	6.91	99	571	0.04	ng/ul	-0.04
7) Bis-(2-Chloroethyl)ether-d	7.10	67	138849	16.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	218179	17.26	ng/ul	0.01
13) 4-Methylphenol-d8	8.45	113	1407	0.11	ng/ul	-0.04
19) Nitrobenzene-d5	8.95	128	107769	20.48	ng/ul	0.02
22) 2-Nitrophenol-d4	9.66	143	121718	21.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	218876	19.13	ng/ul	0.02
29) 4-Chloroaniline-d4	10.72	131	61121	4.40	ng/ul	0.02
44) Dimethylphthalate-d6	13.83	166	566454	19.92	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	694789	21.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.62	143	85290	15.18	ng/ul	0.01
58) Fluorene-d10	15.40	176	473610	19.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.53	200	63452	14.01	ng/ul	0.00
71) Anthracene-d10	17.25	188	699514	20.59	ng/ul	0.00
79) Pyrene-d10	19.56	212	779997	22.17	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.47	264	925485	19.18	ng/ul	0.02

Target Compounds

				Ovalue	
4) Benzaldehyde	6.92	77	50701	7.126	ng/ul# 1
14) Acetophenone	8.59	105	289798	14.749	ng/ul# 35
16) 4-Methylphenol	8.59	108	15278	1.089	ng/ul 98
17) Hexachloroethane	8.89	117	62646	12.156	ng/ul# 6
28) Naphthalene	10.62	128	91771	2.492	ng/ul 99
34) 2-Methylnaphthalene	12.23	142	30258	1.096	ng/ul 99
45) Dimethylphthalate	13.87	163	177379	6.074	ng/ul 100
48) Acenaphthylene	14.14	152	1749356	49.368	ng/ul 100
50) Acenaphthene	14.47	153	59439	2.408	ng/ul 95
53) 4-Nitrophenol	14.64	109	13031	3.174	ng/ul# 45
54) Dibenzofuran	14.81	168	101274	2.873	ng/ul 100
59) Fluorene	15.46	166	230862	8.103	ng/ul 99
70) Phenanthrene	17.19	178	2268942	54.634	ng/ul 100
72) Anthracene	17.29	178	1097587	25.938	ng/ul 100
75) Carbazole	17.55	167	155407	4.132	ng/ul 97
77) Fluoranthene	19.22	202	6032830	129.161	ng/ul 100
80) Pyrene	19.59	202	6396658	138.068	ng/ul 99
83) Benzo(a)anthracene	21.33	228	3256931	69.410	ng/ul 93
84) Bis(2-ethylhexyl)phthalate	21.26	149	645947	23.860	ng/ul# 96
85) Chrysene	21.38	228	4340283	100.324	ng/ul 97
88) Benzo(b)fluoranthene	22.94	252	5367367	86.698	ng/ul 96
89) Benzo(k)fluoranthene	22.94	252	5367367	90.621	ng/ul 96
91) Benzo(a)pyrene	23.52	252	4462574	76.833	ng/ul 98

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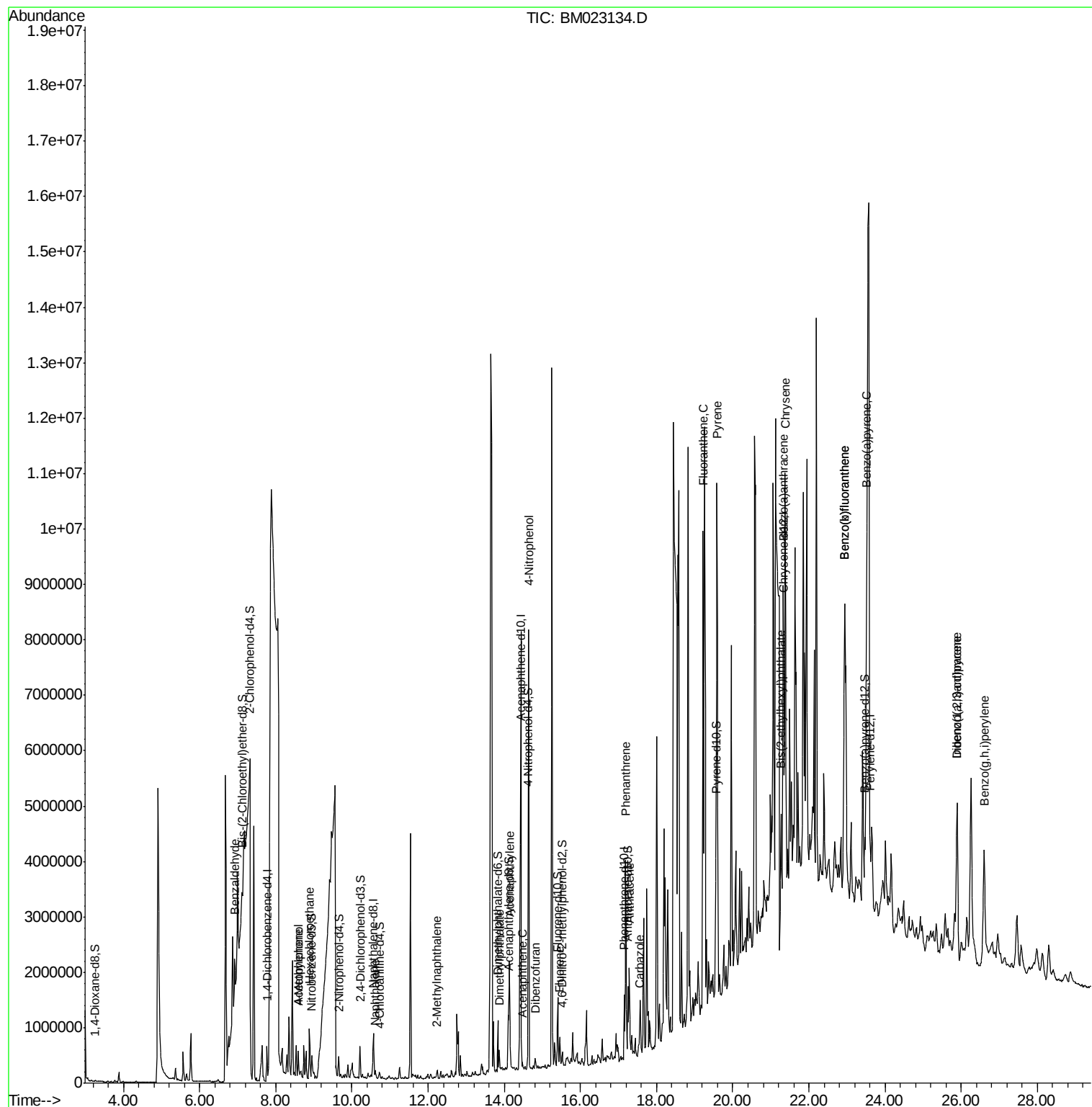
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.90	276	2906500	47.113	ng/ul	96
93) Dibenzo(a,h)anthracene	25.90	278	820492	15.898	ng/ul	94
94) Benzo(q,h,i)perylene	26.60	276	2396365	48.147	ng/ul	98

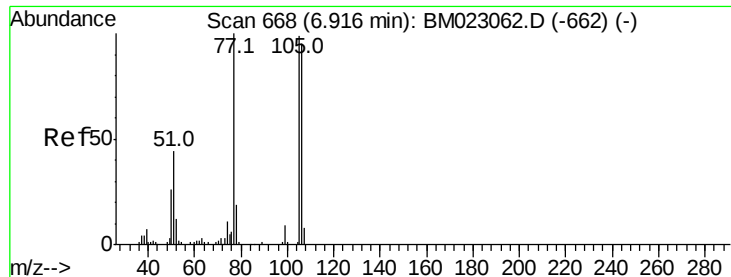
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 7.126 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

ClientSampled :

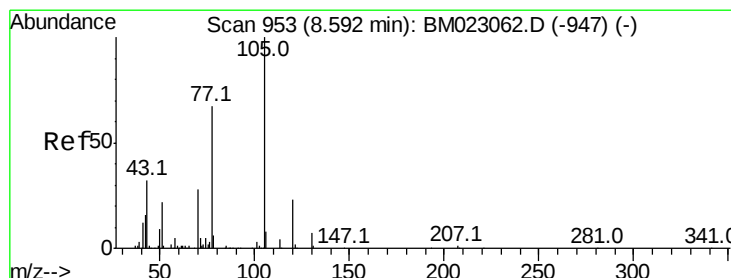
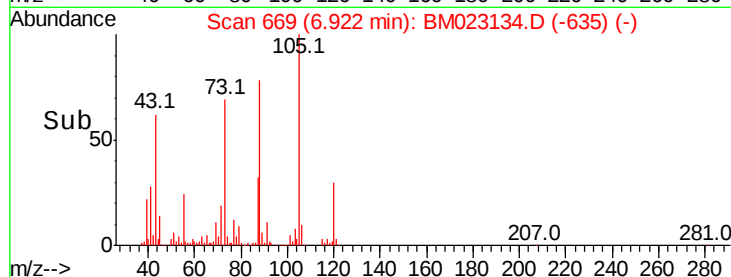
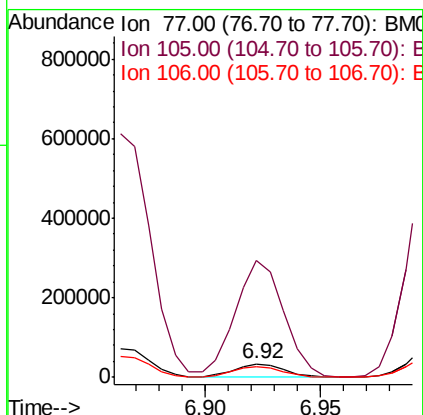
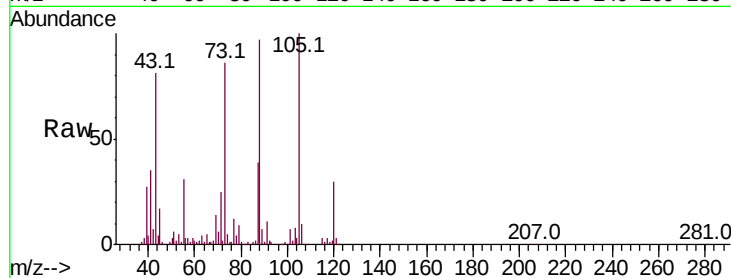
Tot Ion: 77 Resp: 50701

Ion Ratio Lower Upper

77 100

105 849.4 80.6 120.8#

106 81.8 77.0 115.6



#14

Acetophenone

Concen: 14.749 ng/ul

RT: 8.59 min Scan# 953

Delta R.T. -0.01 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

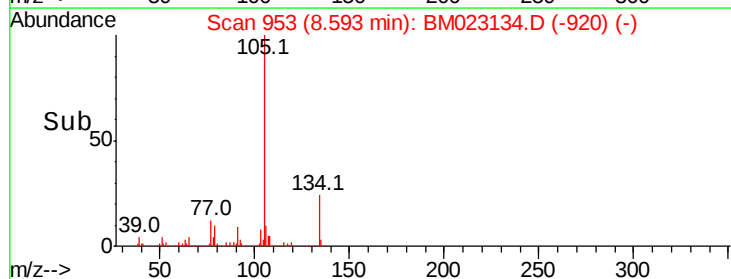
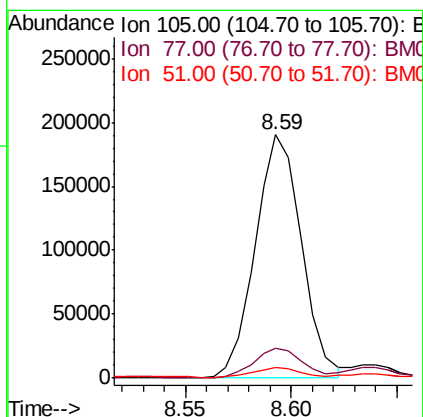
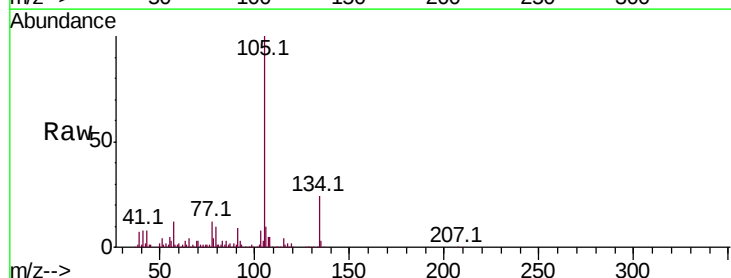
Tgt Ion: 105 Resp: 289798

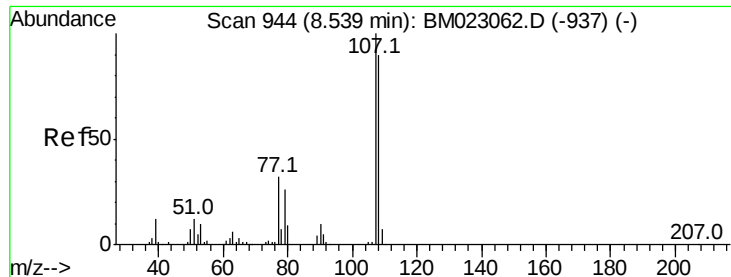
Ion Ratio Lower Upper

105 100

77 12.1 59.4 89.0#

51 4.2 19.4 29.0#





#16

4-Methylphenol

Concen: 1.089 ng/ul

RT: 8.59 min Scan# 953

Delta R.T. 0.05 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

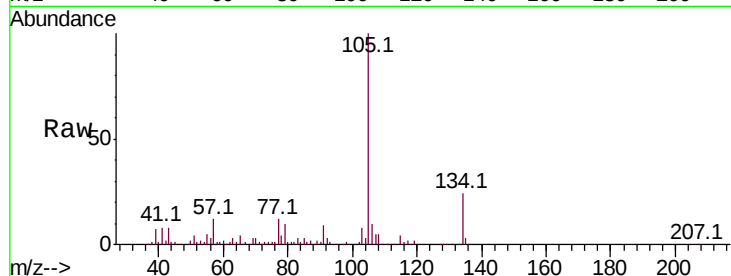
ClientSampled :

Tot Ion:108 Resp: 15278

Ion Ratio Lower Upper

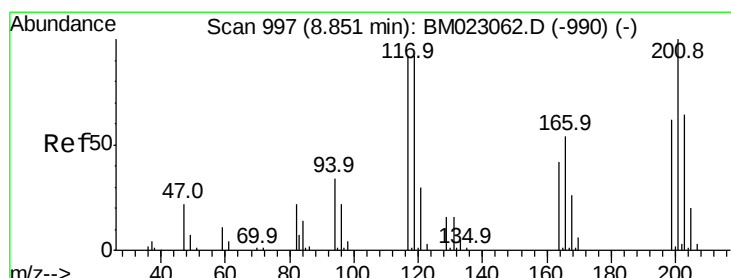
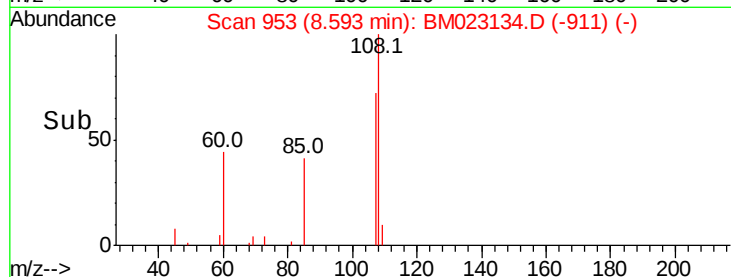
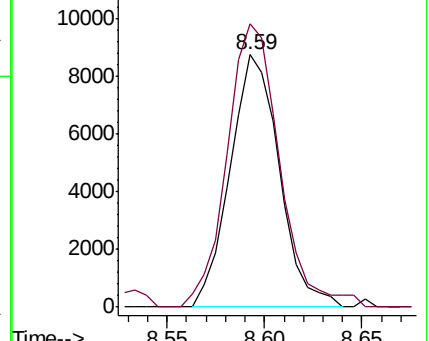
108 100

107 112.1 87.9 131.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 12.156 ng/ul

RT: 8.89 min Scan# 1003

Delta R.T. 0.04 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

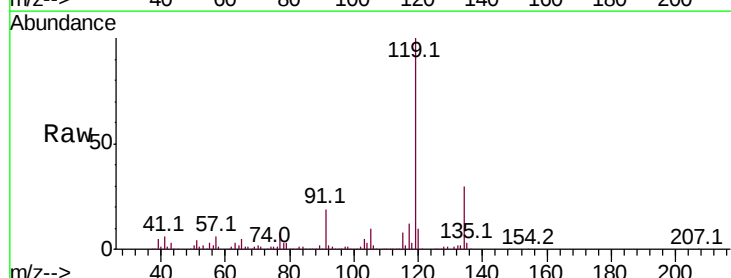
Tgt Ion:117 Resp: 62646

Ion Ratio Lower Upper

117 100

201 0.0 82.5 123.7#

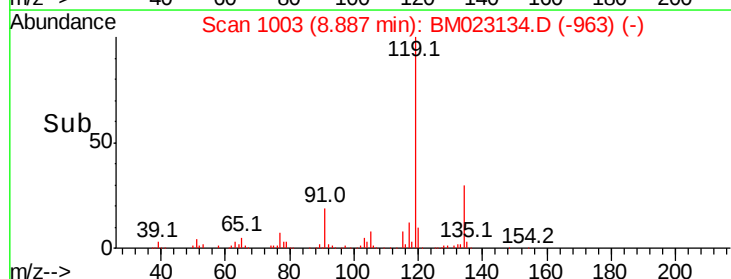
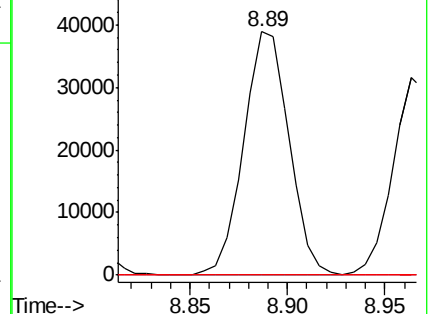
199 0.0 51.6 77.4#

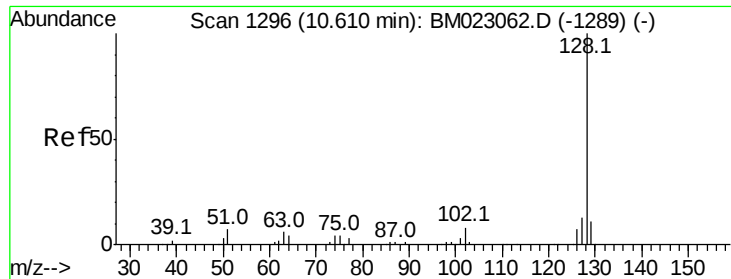


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 2.492 ng/ul

RT: 10.62 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

ClientSampleId :

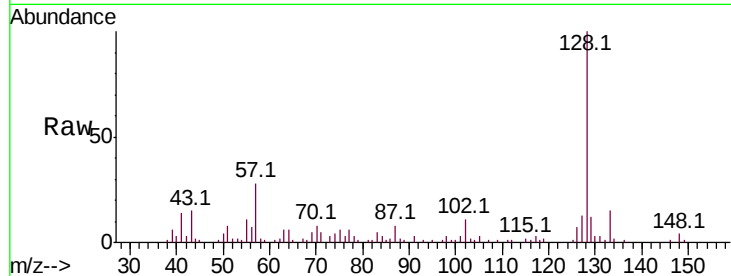
Tot Ion:128 Resp: 91771

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

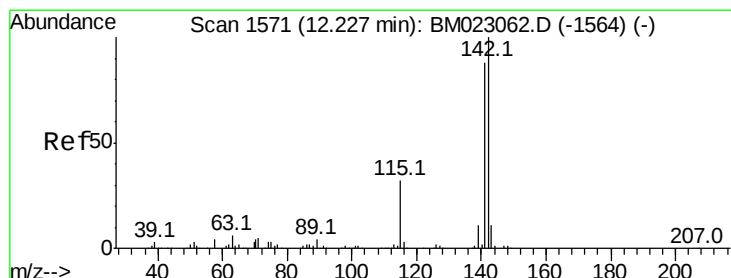
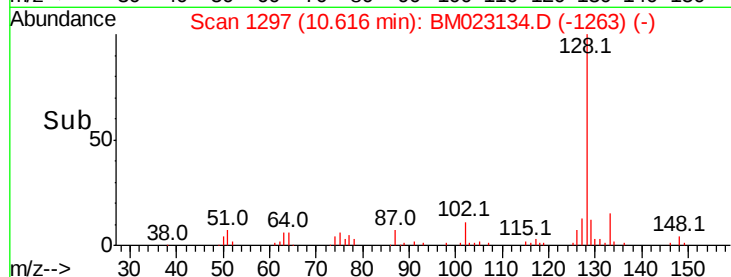
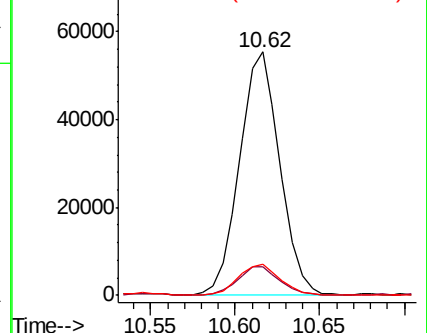
127 12.8 10.2 15.4



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



#34

2-Methylnaphthalene

Concen: 1.096 ng/ul

RT: 12.23 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BM023134.D

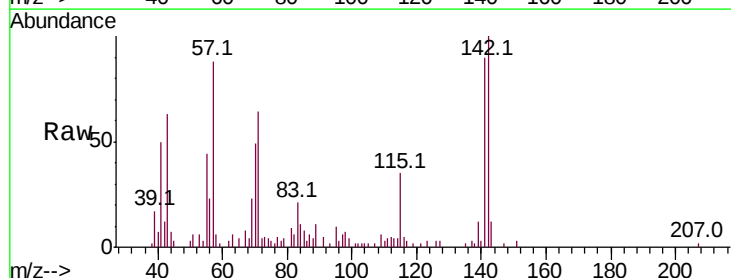
Acq: 11 Oct 2019 17:44

Tgt Ion:142 Resp: 30258

Ion Ratio Lower Upper

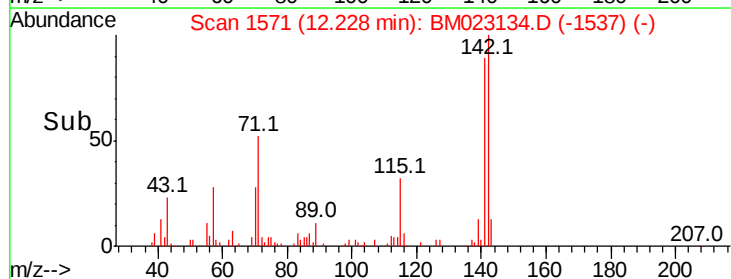
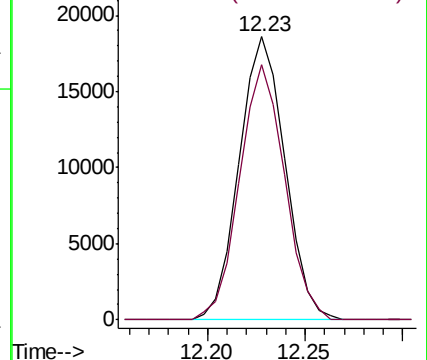
142 100

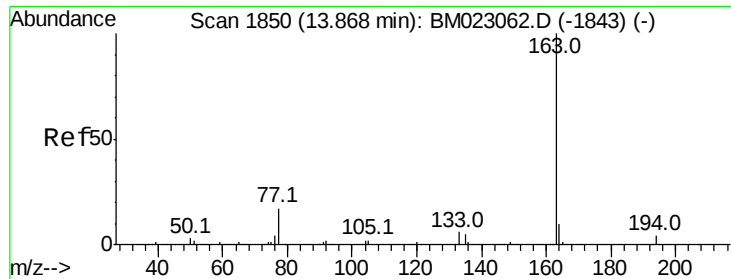
141 90.1 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

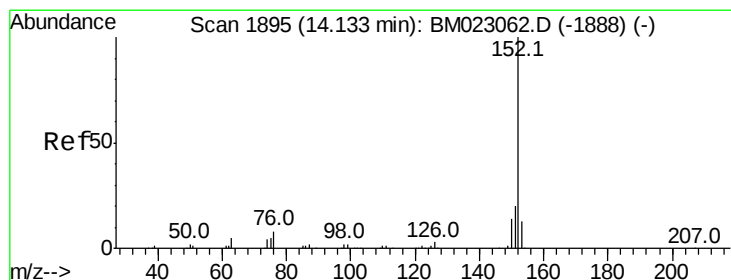
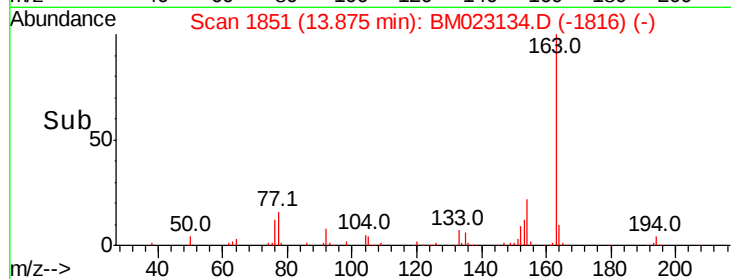
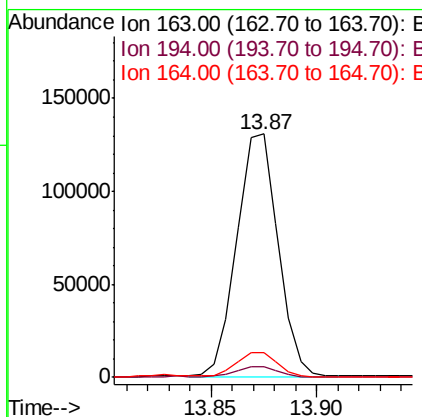
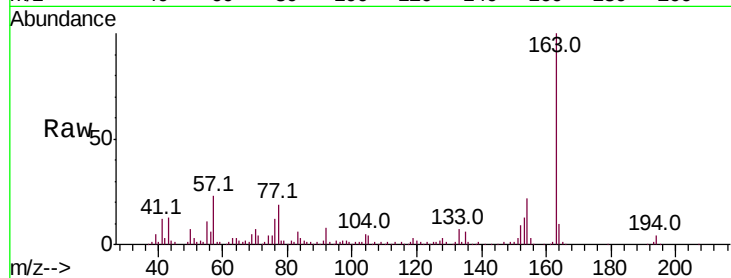




#45
Dimethylphthalate
Concen: 6.074 ng/ul
RT: 13.87 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

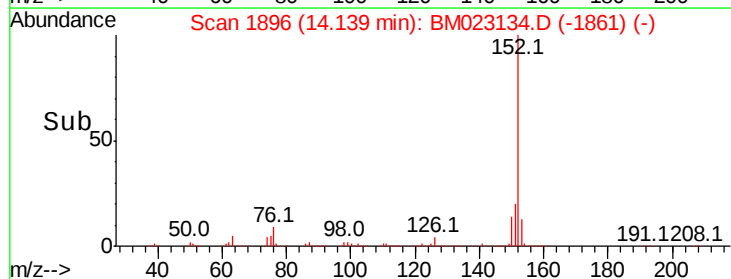
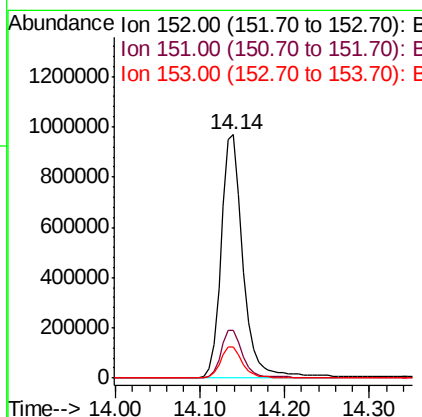
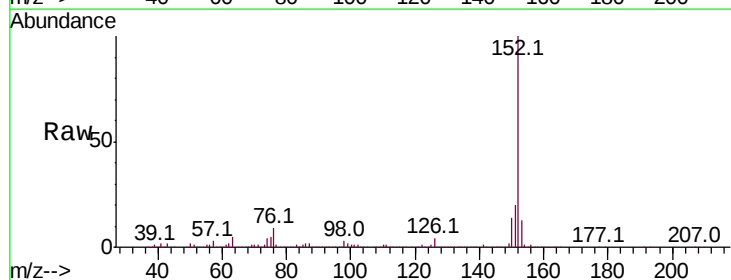
Instrument :
BNA_M
ClientSampleId :

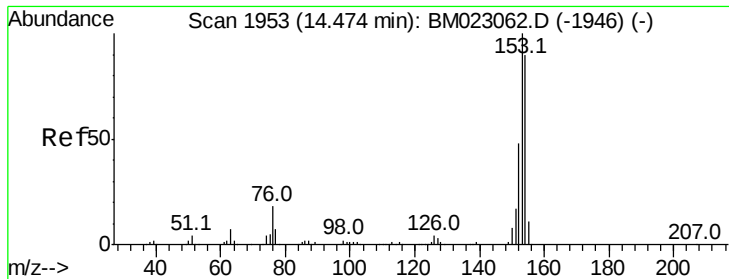
Tot Ion:163 Resp: 177379
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 10.1 8.1 12.1



#48
Acenaphthylene
Concen: 49.368 ng/ul
RT: 14.14 min Scan# 1896
Delta R.T. 0.01 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

Tgt Ion:152 Resp: 1749356
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.0 10.6 16.0





#50

Acenaphthene

Concen: 2.408 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

ClientSampled :

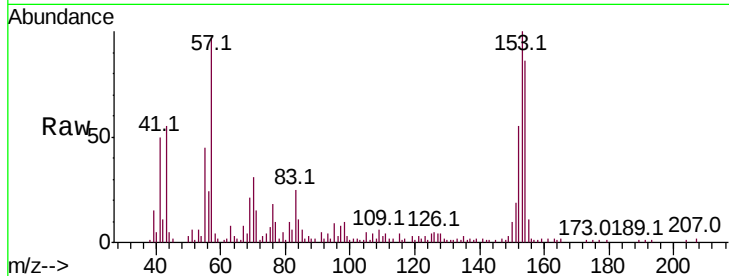
Tot Ion:153 Resp: 59439

Ion Ratio Lower Upper

153 100

152 54.5 38.1 57.1

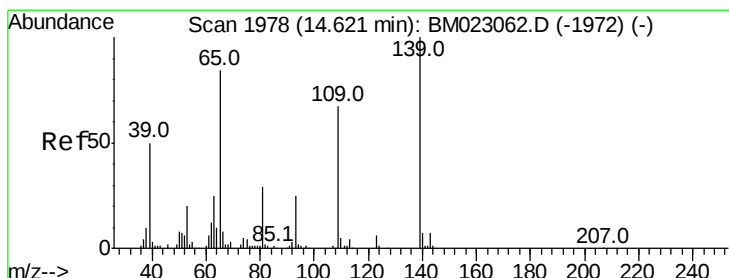
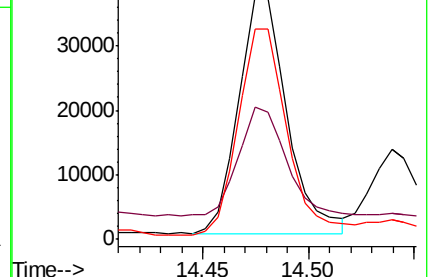
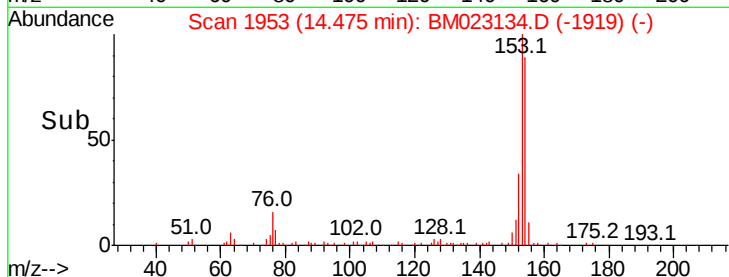
154 86.5 71.1 106.7



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



#53

4-Nitrophenol

Concen: 3.174 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.02 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

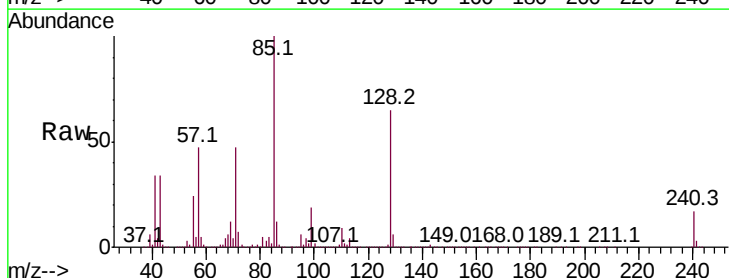
Tgt Ion:109 Resp: 13031

Ion Ratio Lower Upper

109 100

139 21.4 119.5 179.3#

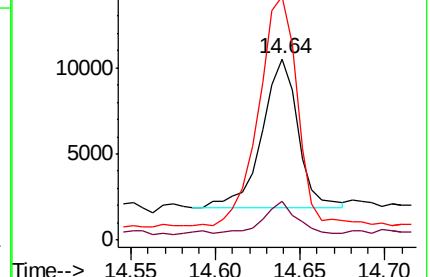
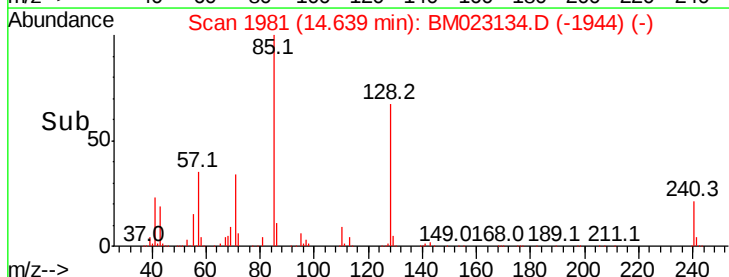
65 134.4 105.0 157.4

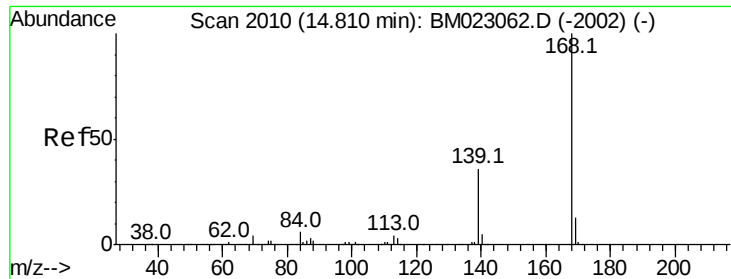


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#54

Dibenzofuran

Concen: 2.873 ng/ul

RT: 14.81 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

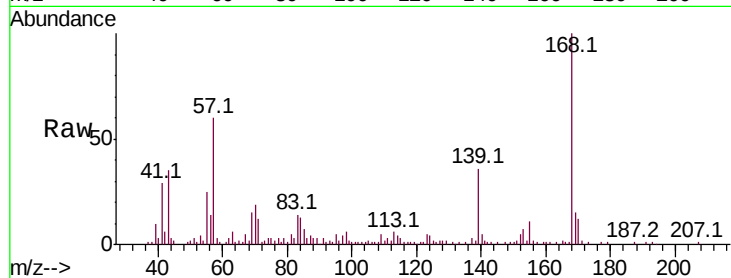
ClientSampleId :

Tot Ion:168 Resp: 101274

Ion Ratio Lower Upper

168 100

139 36.2 29.0 43.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

80000

60000

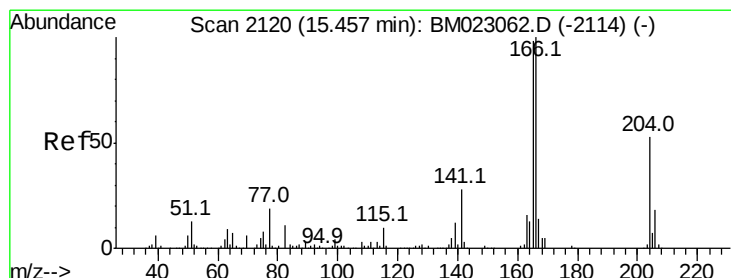
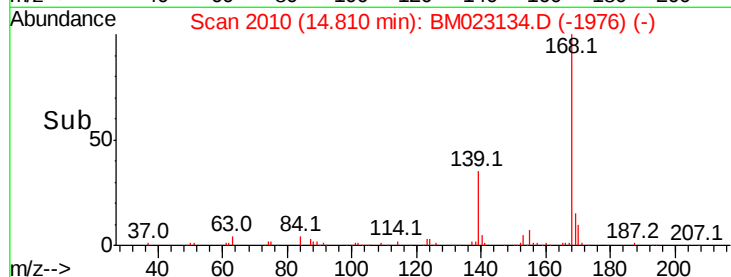
40000

20000

0

14.75 14.80 14.85

Time-->



#59

Fluorene

Concen: 8.103 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

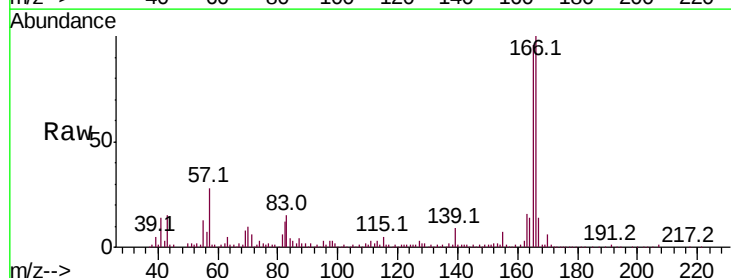
Tgt Ion:166 Resp: 230862

Ion Ratio Lower Upper

166 100

165 95.9 77.7 116.5

167 14.3 11.0 16.4



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

200000

150000

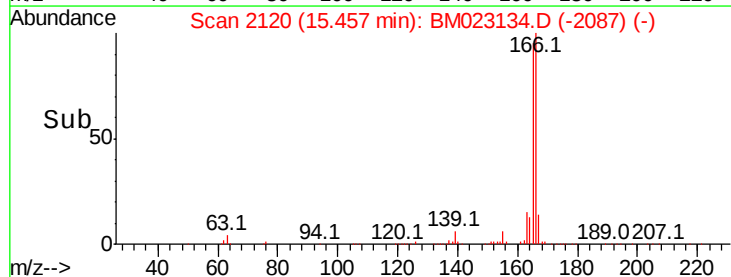
100000

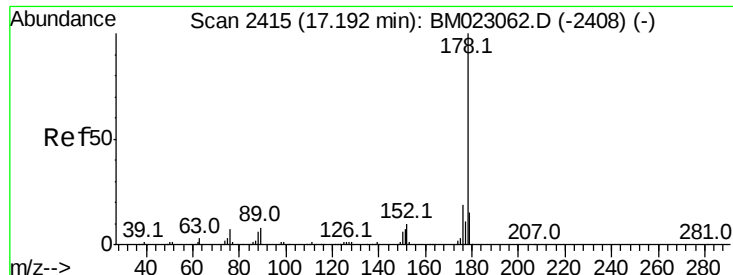
50000

0

15.40 15.45 15.50 15.55

Time-->





#70

Phenanthrene

Concen: 54.634 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

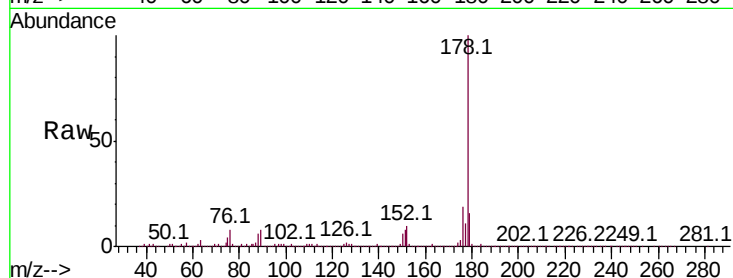
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 2268942

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.5	15.3	22.9

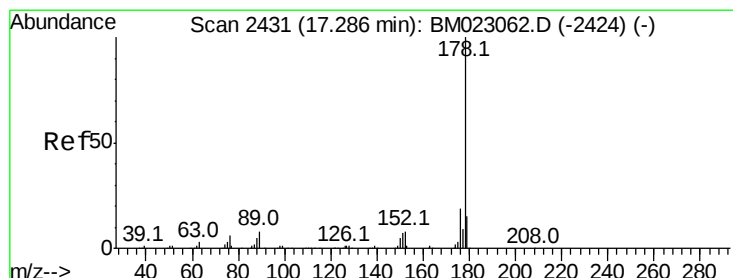
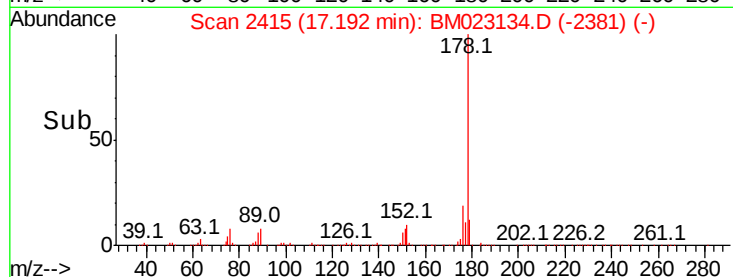
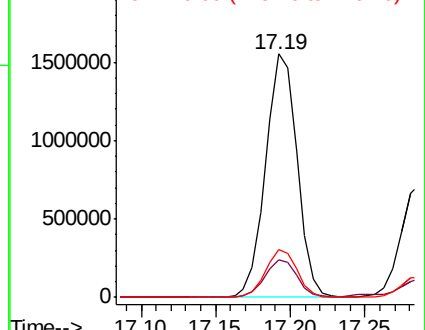


Abundance

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: 25.938 ng/ul

RT: 17.29 min Scan# 2431

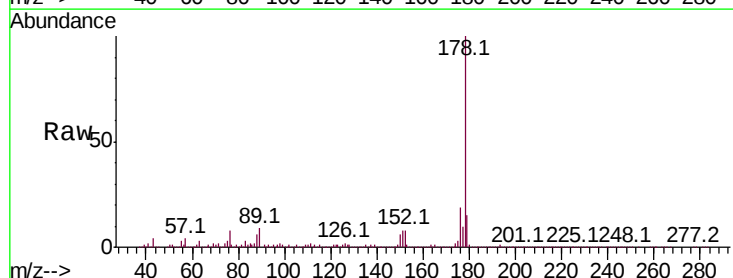
Delta R.T. 0.00 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Tgt Ion:178 Resp: 1097587

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.7	15.0	22.6

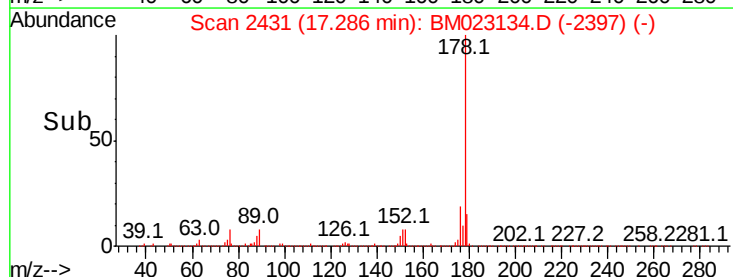
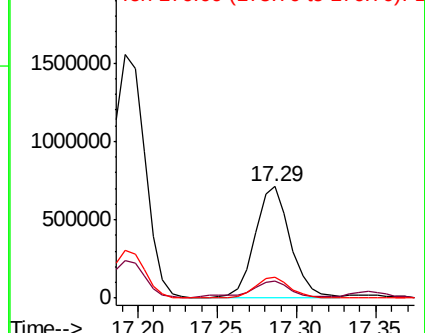


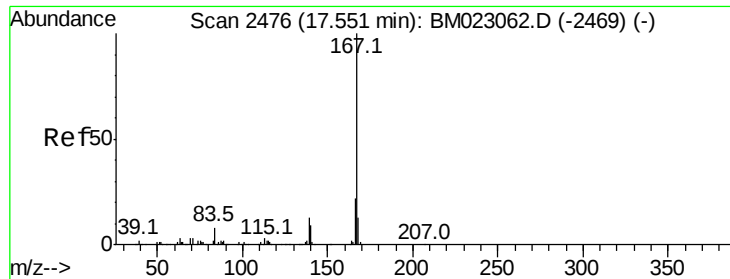
Abundance

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

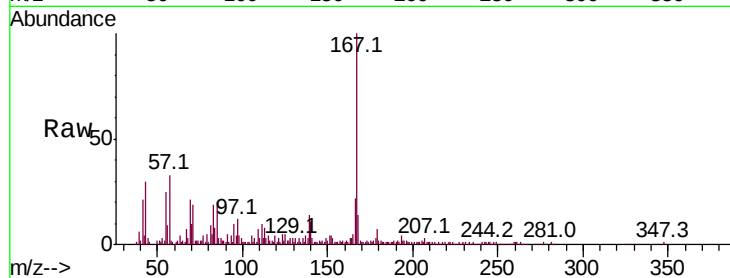




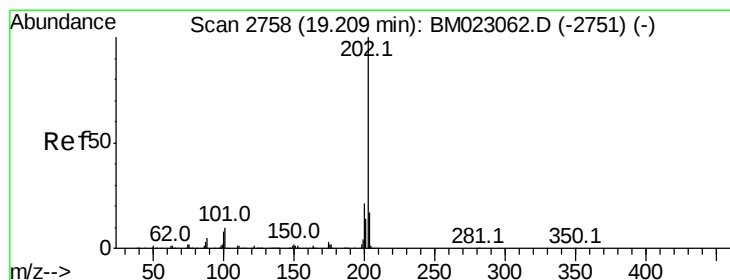
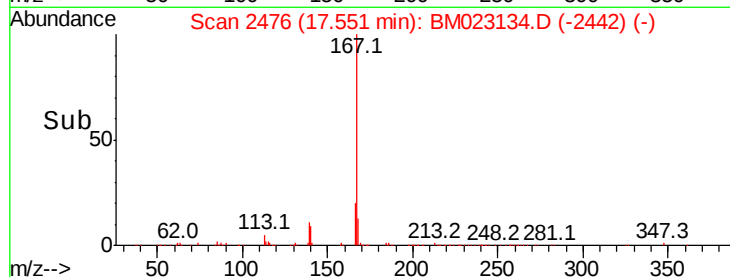
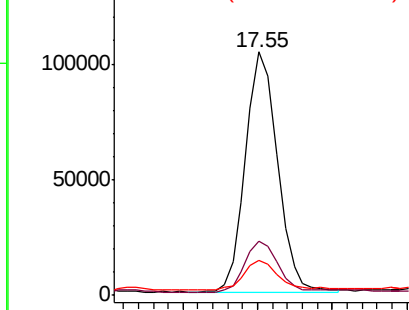
#75
 Carbazole
 Concen: 4.132 ng/ul
 RT: 17.55 min Scan# 2476
 Delta R.T. 0.00 min
 Lab File: BM023134.D
 Acq: 11 Oct 2019 17:44

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	14.5	9.9	14.9

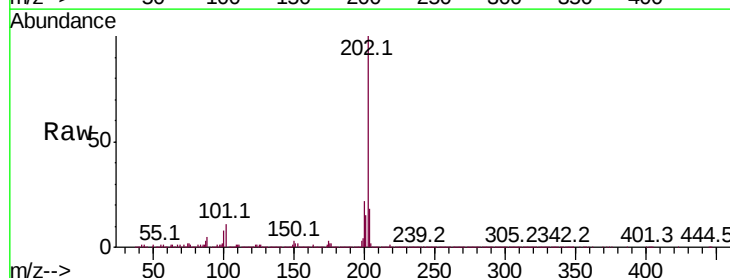


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

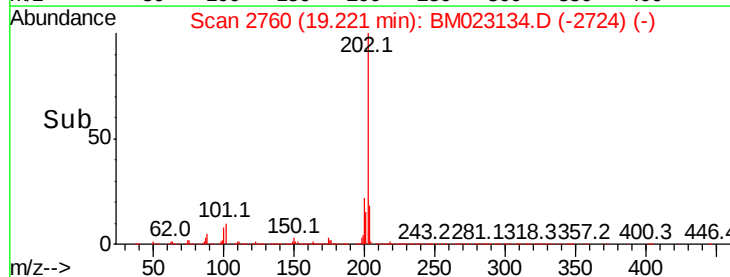
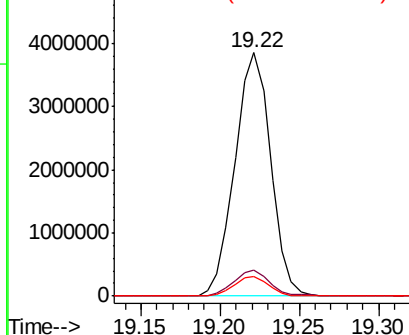


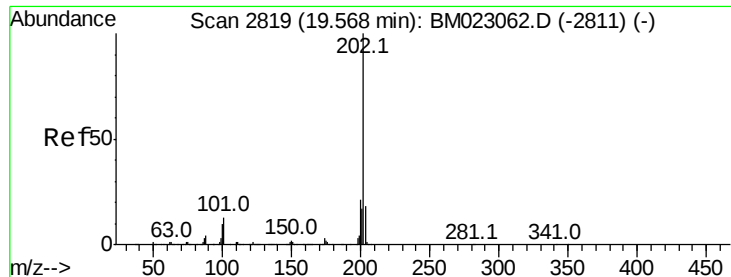
#77
 Fluoranthene
 Concen: 129.161 ng/ul
 RT: 19.22 min Scan# 2760
 Delta R.T. 0.01 min
 Lab File: BM023134.D
 Acq: 11 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.6	12.8
100	7.8	6.4	9.6



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

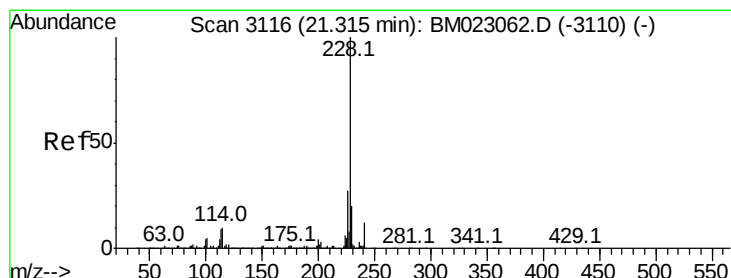
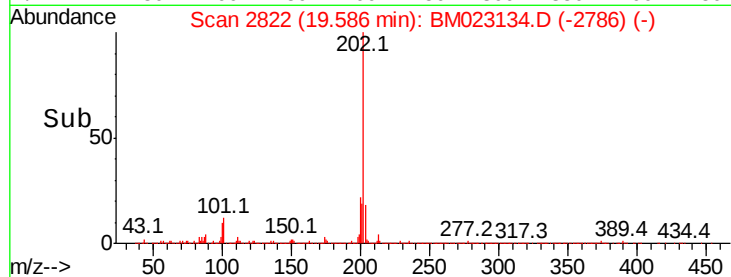
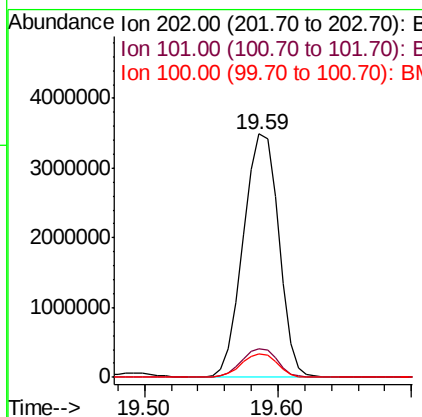
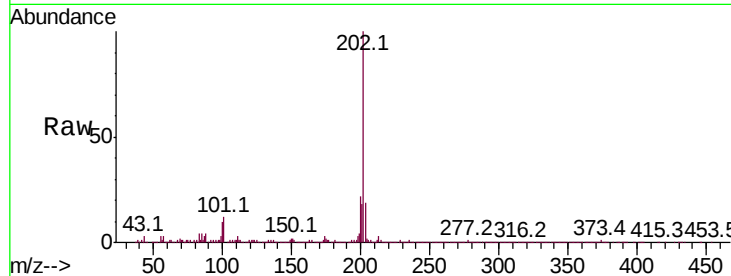




#80
Pvrene
Concen: 138.068 ng/ul
RT: 19.59 min Scan# 2822
Delta R.T. 0.01 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

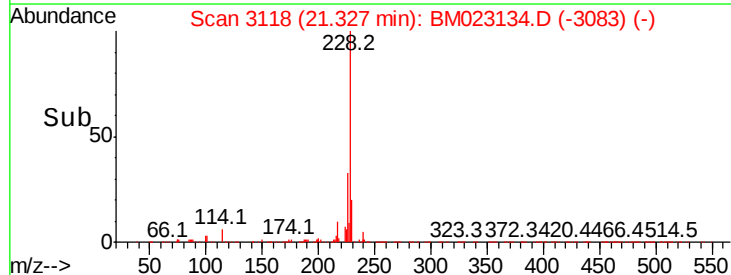
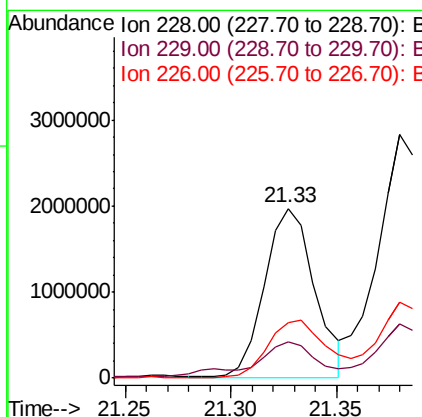
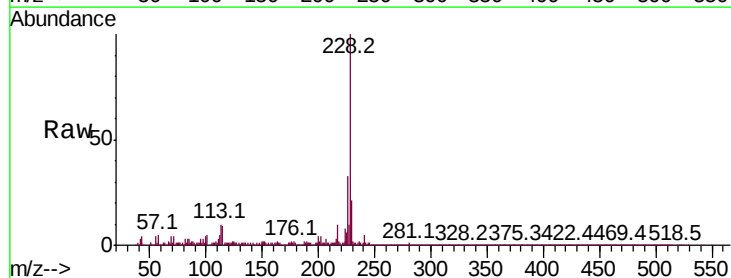
Instrument :
BNA_M
ClientSampleId :

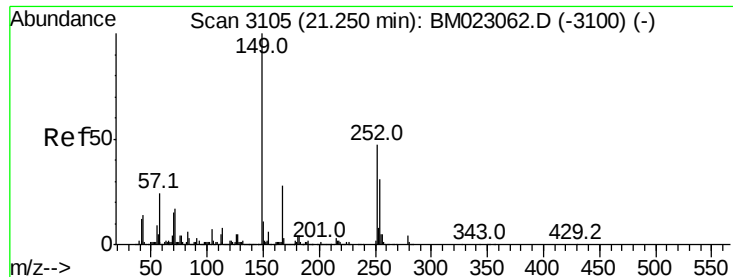
Tot Ion:202 Resp: 6396658
Ion Ratio Lower Upper
202 100
101 11.8 9.7 14.5
100 9.6 7.8 11.8



#83
Benzo(a)anthracene
Concen: 69.410 ng/ul
RT: 21.33 min Scan# 3118
Delta R.T. 0.01 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

Tgt Ion:228 Resp: 3256931
Ion Ratio Lower Upper
228 100
229 21.0 15.8 23.8
226 33.1 22.4 33.6

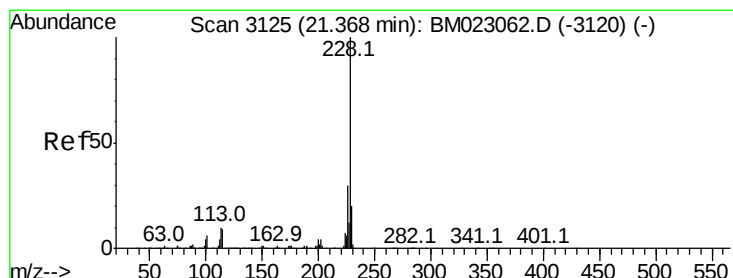
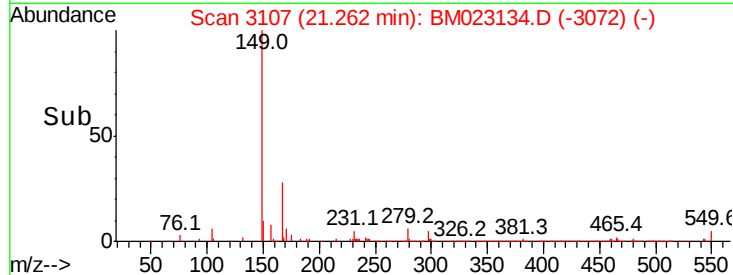
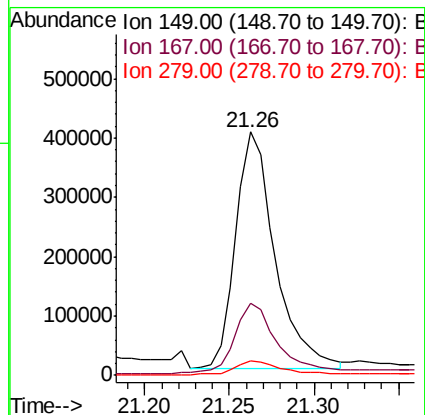
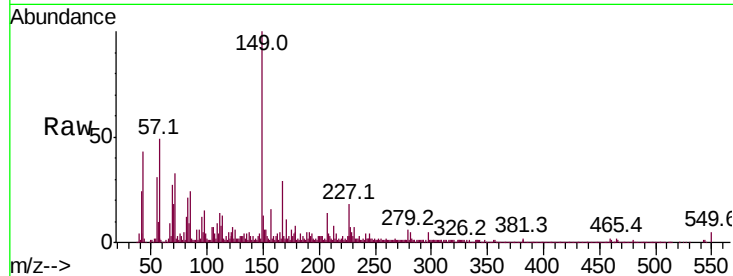




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 23.860 ng/ul
 RT: 21.26 min Scan# 3107
 Delta R.T. 0.01 min
 Lab File: BM023134.D
 Acq: 11 Oct 2019 17:44

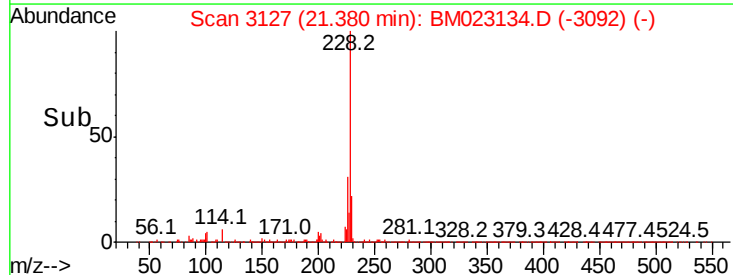
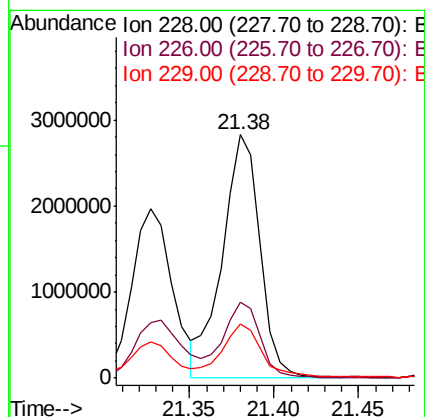
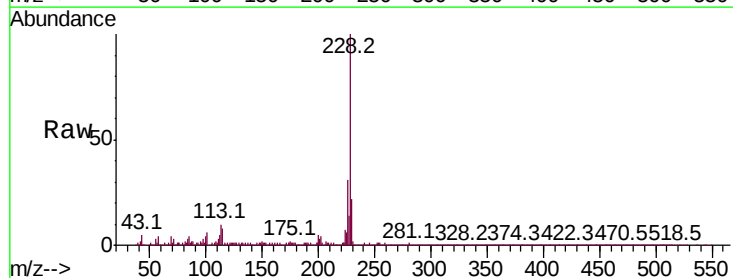
Instrument :
 BNA_M
 ClientSampled :

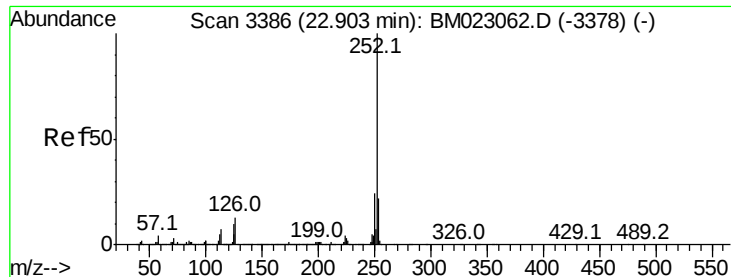
Tot Ion:149 Resp: 645947
 Ion Ratio Lower Upper
 149 100
 167 29.5 22.1 33.1
 279 6.0 3.3 4.9#



#85
 Chrysene
 Concen: 100.324 ng/ul
 RT: 21.38 min Scan# 3127
 Delta R.T. 0.01 min
 Lab File: BM023134.D
 Acq: 11 Oct 2019 17:44

Tgt Ion:228 Resp: 4340283
 Ion Ratio Lower Upper
 228 100
 226 31.0 24.2 36.4
 229 22.4 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 86.698 ng/ul

RT: 22.94 min Scan# 3393

Delta R.T. 0.04 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

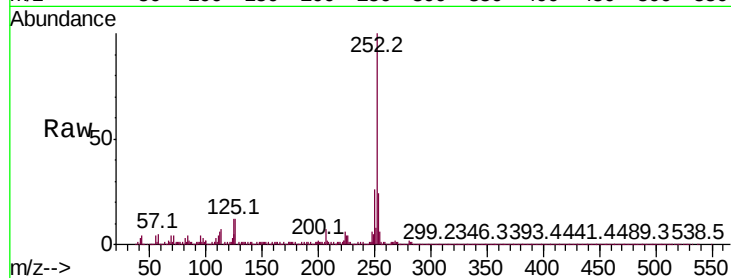
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 5367367

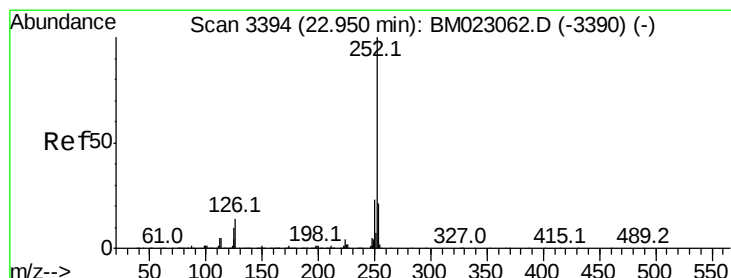
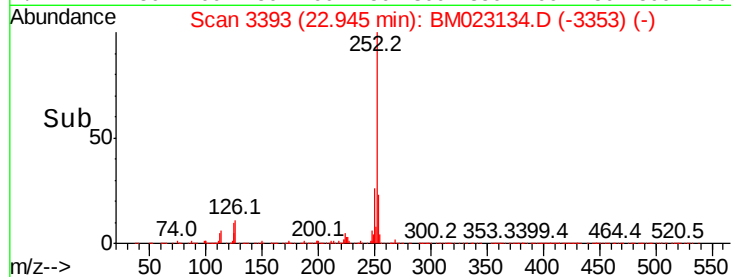
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	11.8	8.2	12.2



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: 90.621 ng/ul

RT: 22.94 min Scan# 3393

Delta R.T. -0.01 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

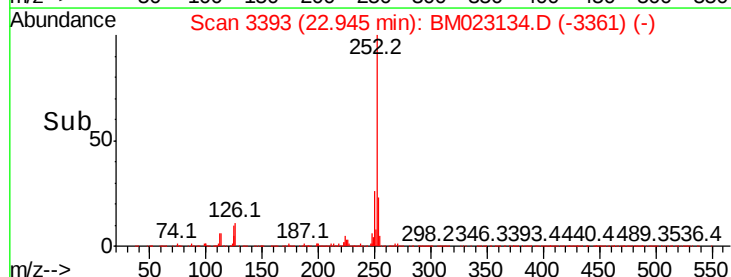
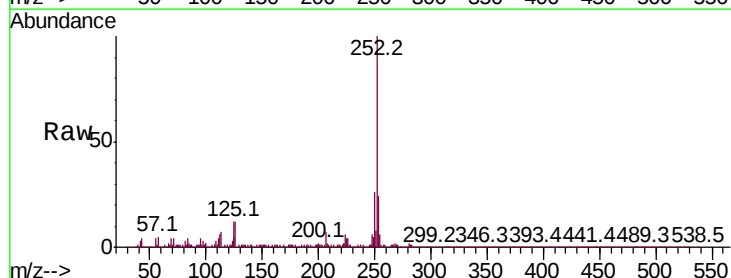
Tgt Ion:252 Resp: 5367367

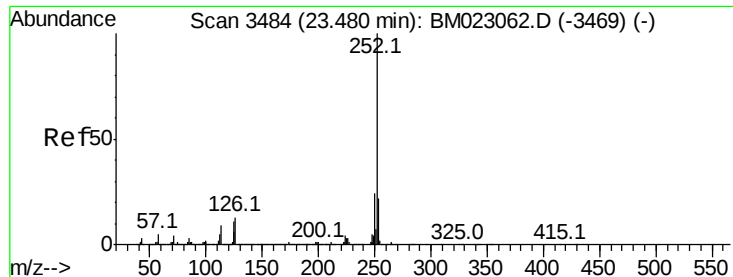
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	11.8	7.9	11.9

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: 76.833 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. 0.02 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

Instrument :

BNA_M

ClientSampled :

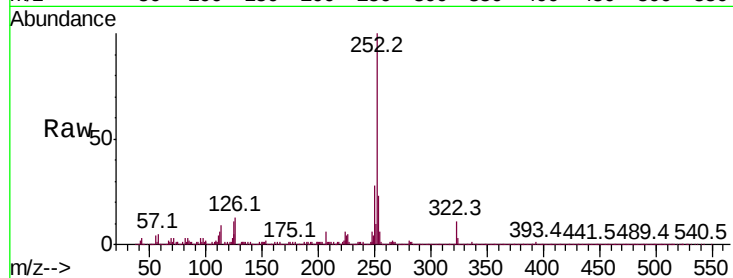
Tot Ion:252 Resp: 4462574

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

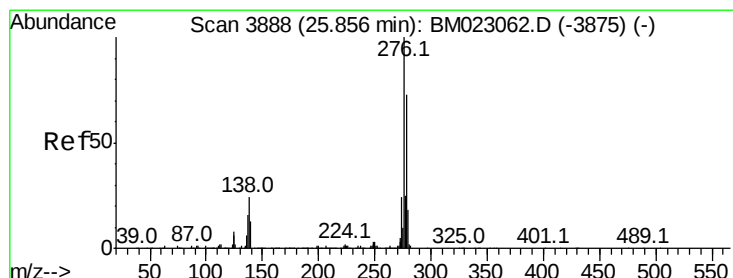
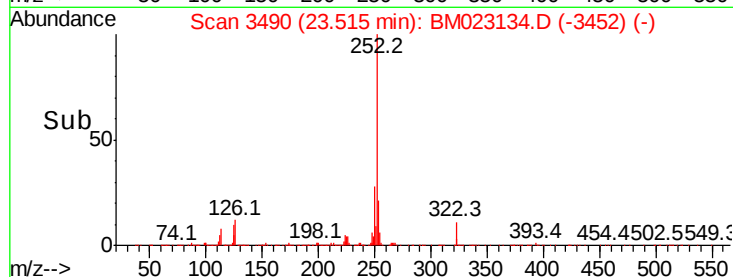
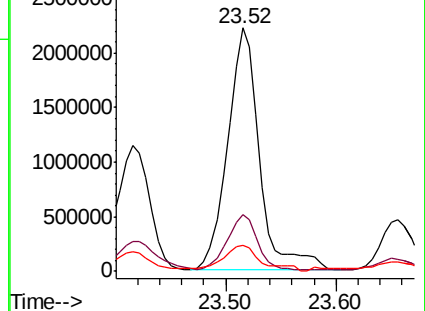
125 10.9 8.7 13.1



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: 47.113 ng/ul

RT: 25.90 min Scan# 3895

Delta R.T. 0.03 min

Lab File: BM023134.D

Acq: 11 Oct 2019 17:44

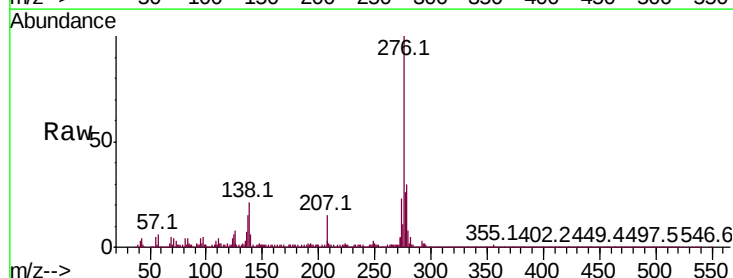
Tgt Ion:276 Resp: 2906500

Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

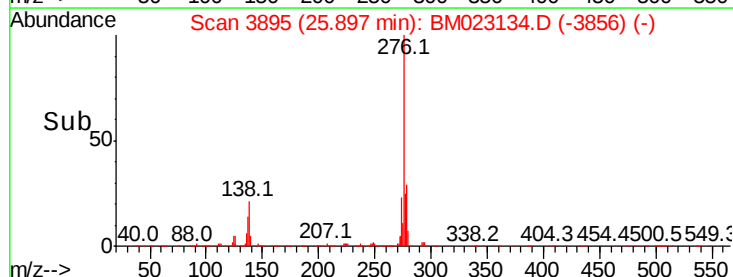
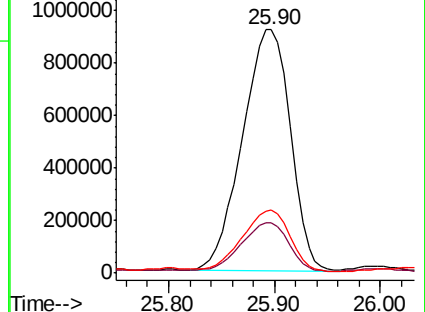
277 25.7 20.3 30.5

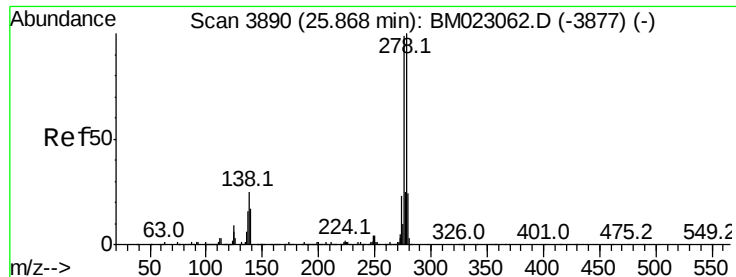


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



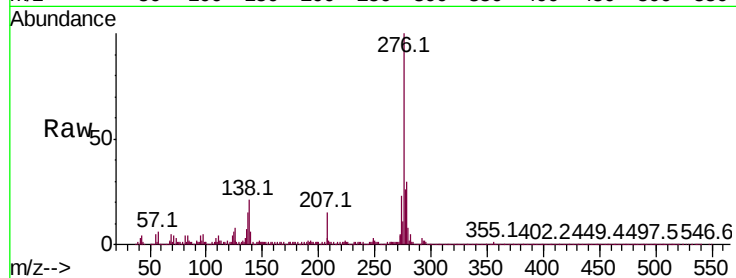


#93

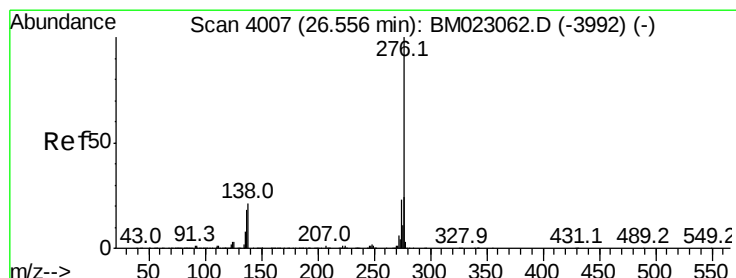
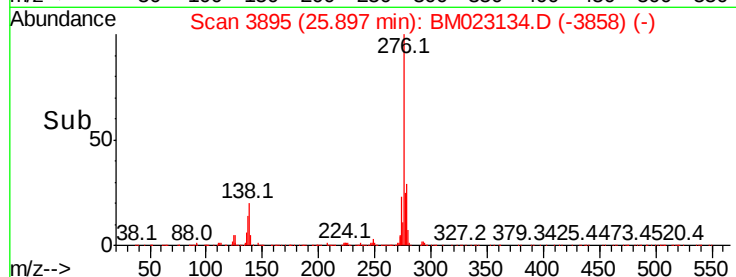
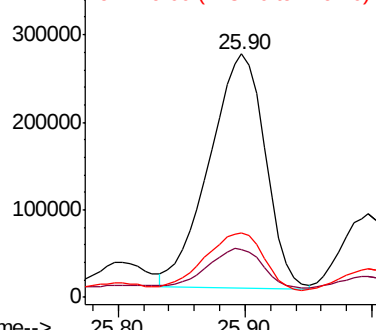
Dibenzo(a,h)anthracene
Concen: 15.898 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. 0.02 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.5	13.2	19.8
279	26.7	19.0	28.6



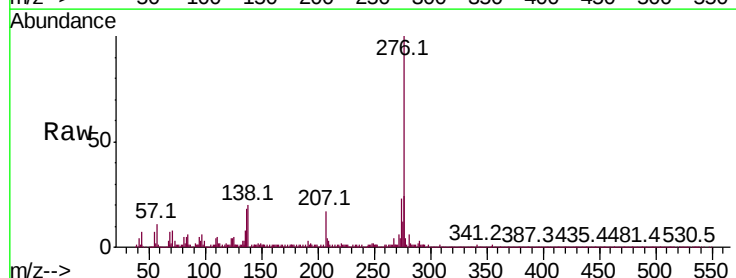
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene
Concen: 48.147 ng/ul
RT: 26.60 min Scan# 4015
Delta R.T. 0.04 min
Lab File: BM023134.D
Acq: 11 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.6	26.4
277	24.4	19.1	28.7



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

