

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100719\
 Data File : BM023032.D
 Acq On : 07 Oct 2019 14:39
 Operator : JU
 Sample : K5056-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBAC7

Quant Time: Oct 07 15:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 07 01:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	147681	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.57	136	609695	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.42	164	362892	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.16	188	734806	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	765323	20.00	ng/ul	0.00
86) Perylene-d12	23.60	264	845335	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	13649	4.00	ng/uL	0.00
5) Phenol-d5	6.95	99	309067	23.69	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.11	67	172720	24.19	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.31	132	252167	24.00	ng/ul	-0.01
13) 4-Methylphenol-d8	8.48	113	216352	20.25	ng/ul	-0.02
19) Nitrobenzene-d5	8.93	128	117208	24.91	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.65	143	129120	25.13	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.19	165	262727	25.68	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.70	131	252579	20.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.83	166	773529	27.46	ng/ul	0.00
47) Acenaphthylene-d8	14.11	160	907044	27.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.61	143	127470	22.91	ng/ul	-0.01
58) Fluorene-d10	15.41	176	661495	27.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.53	200	115587	24.17	ng/ul	0.00
71) Anthracene-d10	17.26	188	998893	27.84	ng/ul	0.00
79) Pyrene-d10	19.55	212	1163493	28.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.46	264	1300567	29.74	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.29	88	31117	9.212 ng/uL#	90
12) 2,2'-oxybis(1-Chloropropan	8.30	45	230975	16.886 ng/ul	97
20) Nitrobenzene	8.97	77	209898	19.109 ng/ul	99
23) 2-Nitrophenol	9.68	139	141186	24.025 ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.98	93	201453	14.597 ng/ul	99
27) 2,4-Dichlorophenol	10.22	162	178637	17.252 ng/ul	100
28) Naphthalene	10.62	128	359147	10.907 ng/ul	100
33) 4-Chloro-3-methylphenol	11.85	107	567625	53.246 ng/ul	100
34) 2-Methylnaphthalene	12.23	142	621426	25.172 ng/ul	100
38) Hexachlorocyclopentadiene	12.59	237	161057	21.582 ng/ul	99
39) 2,4,6-Trichlorophenol	12.85	196	143430	18.163 ng/ul	99
42) 2-Chloronaphthalene	13.29	162	464219	20.435 ng/ul	100
46) 2,6-Dinitrotoluene	13.99	165	60912	10.559 ng/ul	96
48) Acenaphthylene	14.13	152	595964	16.977 ng/ul	100
50) Acenaphthene	14.48	153	323282	13.220 ng/ul	99
55) 2,4-Dinitrotoluene	14.77	165	221893	26.070 ng/ul	98
56) 2,3,4,6-Tetrachlorophenol	15.04	232	250406	33.046 ng/ul	97
59) Fluorene	15.46	166	342186	12.124 ng/ul	99
60) 4-Chlorophenyl-phenylether	15.46	204	290639	20.315 ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.54	198	433681	81.096 ng/ul	98
66) 4-Bromophenyl-phenylether	16.35	248	216350	24.407 ng/ul	98
67) Hexachlorobenzene	16.47	284	255132	25.814 ng/ul	99
70) Phenanthrene	17.20	178	579840	13.222 ng/ul	99

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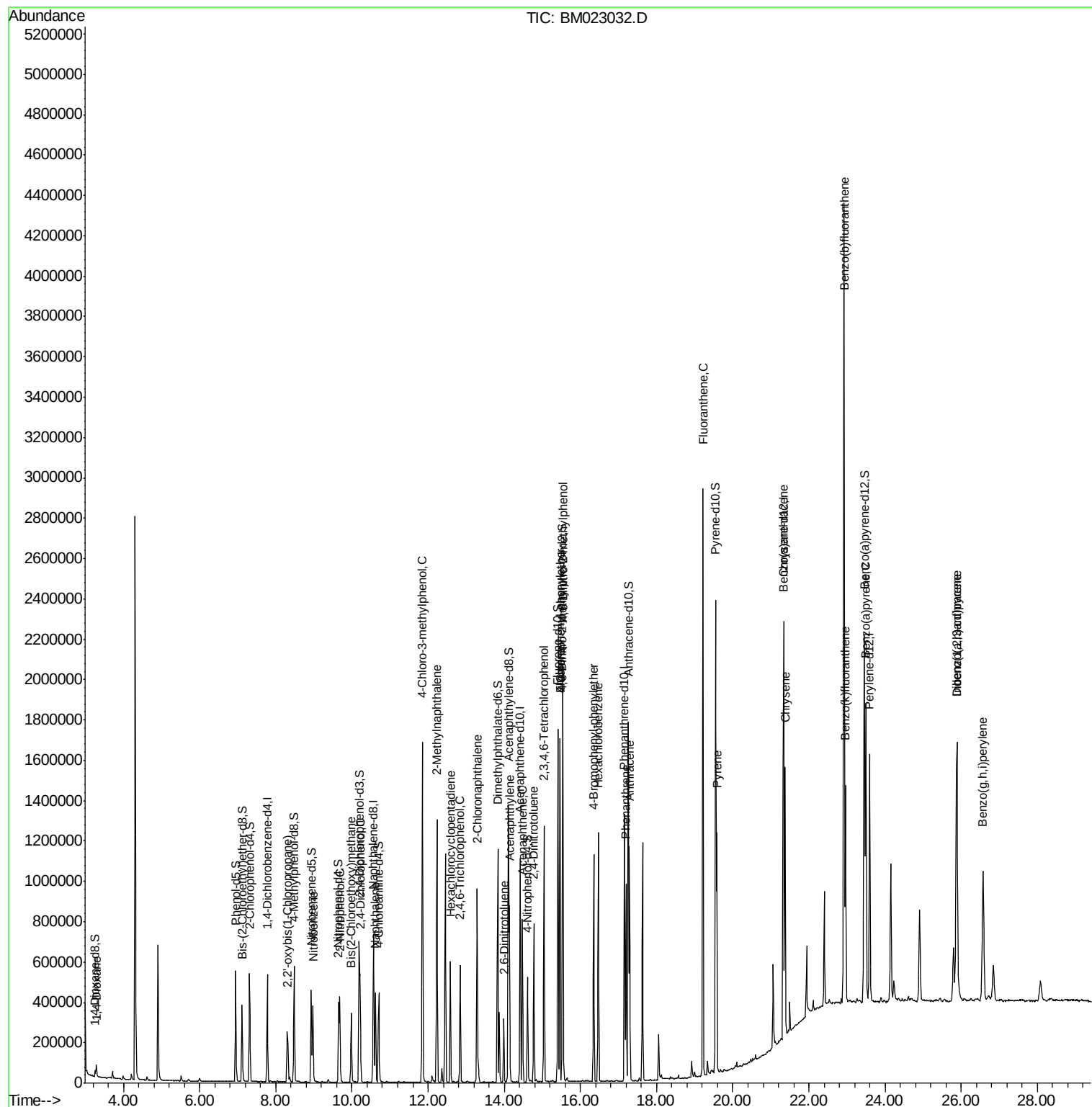
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.29	178	702993	15.732	ng/ul	100
77) Fluoranthene	19.22	202	1668508	33.828	ng/ul	100
80) Pyrene	19.58	202	700022	12.903	ng/ul	100
83) Benzo(a)anthracene	21.33	228	689573	12.550	ng/ul	99
85) Chrysene	21.37	228	646008	12.752	ng/ul	100
88) Benzo(b)fluoranthene	22.92	252	2275764	40.567	ng/ul	100
89) Benzo(k)fluoranthene	22.96	252	674932	12.576	ng/ul	100
91) Benzo(a)pyrene	23.50	252	594596	11.298	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.88	276	881716	15.773	ng/ul	99
93) Dibenzo(a,h)anthracene	25.89	278	869766	18.599	ng/ul	99
94) Benzo(g,h,i)perylene	26.57	276	773873	17.159	ng/ul	100

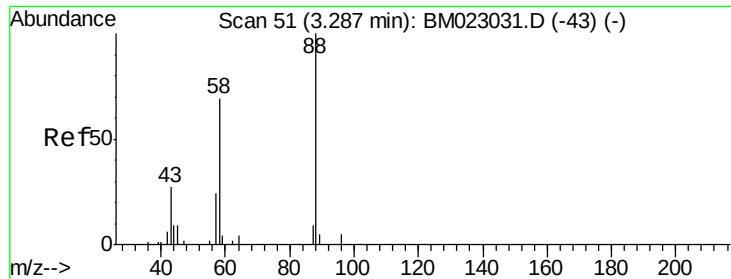
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 9.212 ng/uL

RT: 3.29 min Scan# 51

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

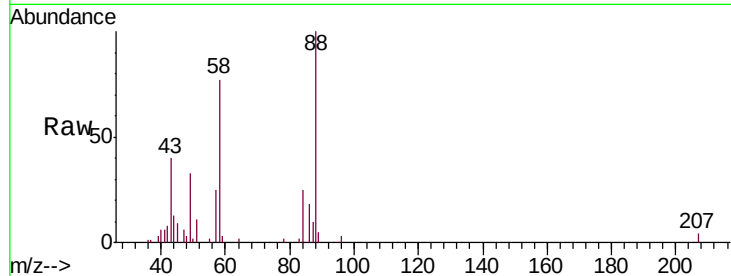
Tgt Ion: 88 Resp: 31117

Ion Ratio Lower Upper

88 100

43 40.3 25.3 37.9#

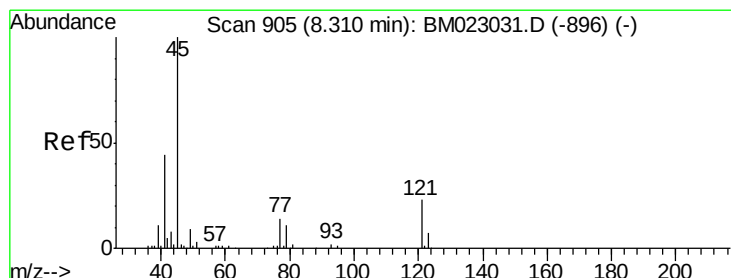
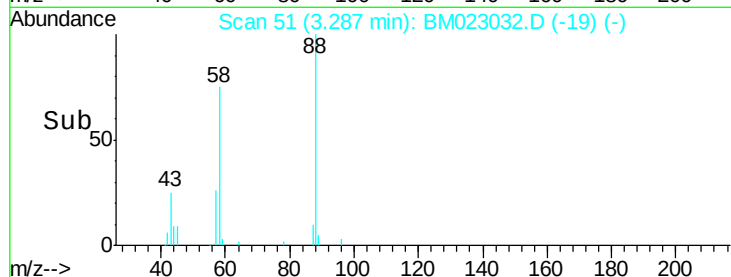
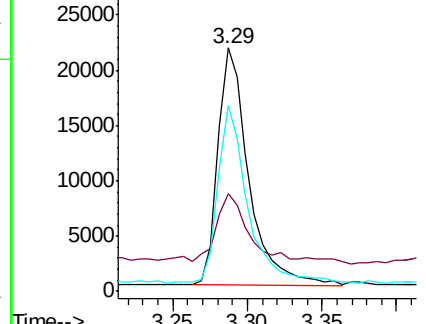
58 76.5 56.6 84.8



Abundance Ion 88.00 (87.70 to 88.70): BM023031.D (-43) (-)

Ion 43.00 (42.70 to 43.70): BM023031.D (-43) (-)

Ion 58.00 (57.70 to 58.70): BM023031.D (-43) (-)



#12

2,2'-oxybis(1-chloropropane)

Concen: 16.886 ng/uL

RT: 8.30 min Scan# 904

Delta R.T. -0.02 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

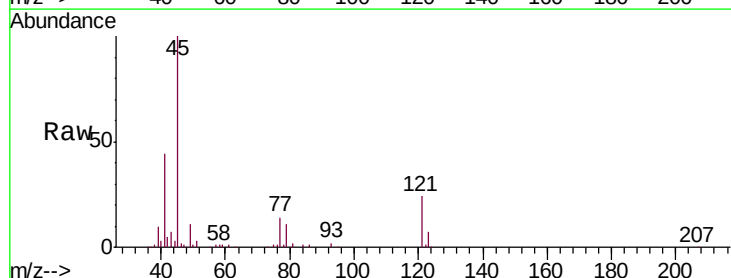
Tgt Ion: 45 Resp: 230975

Ion Ratio Lower Upper

45 100

77 14.4 12.2 18.2

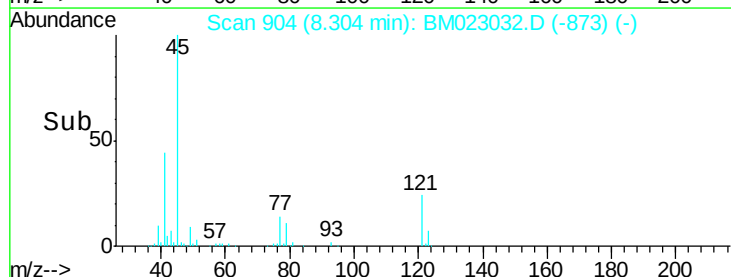
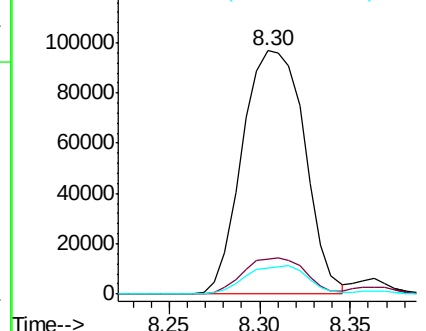
79 10.7 9.6 14.4

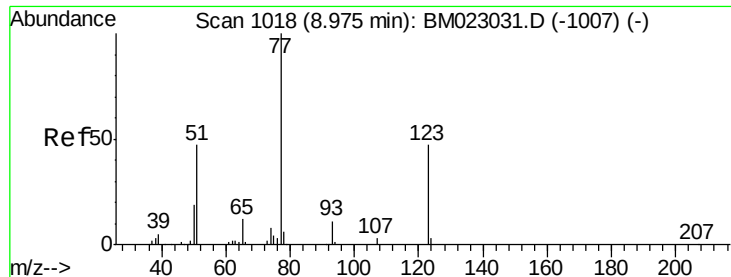


Abundance Ion 45.00 (44.70 to 45.70): BM023031.D (-896) (-)

Ion 77.00 (76.70 to 77.70): BM023031.D (-896) (-)

Ion 79.00 (78.70 to 79.70): BM023031.D (-896) (-)

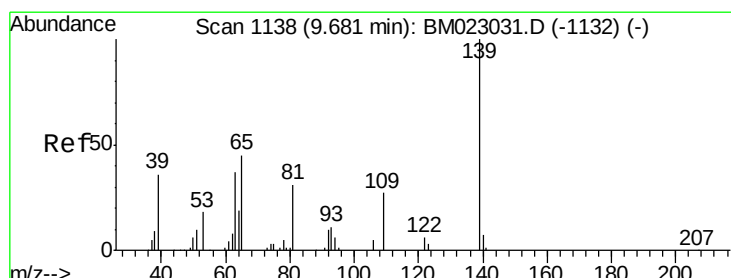
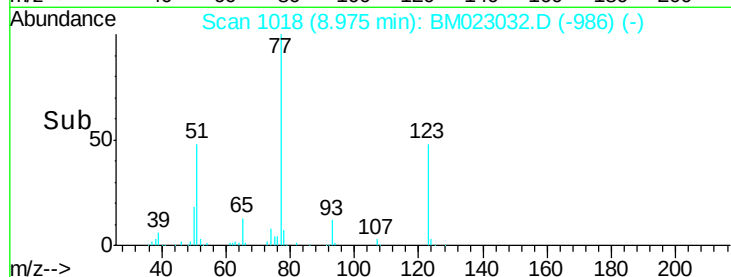
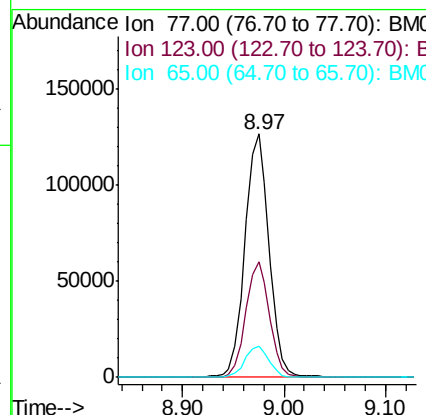
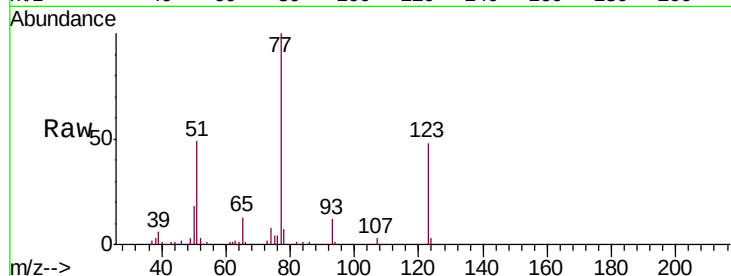




#20
Nitrobenzene
Concen: 19.109 ng/ul
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

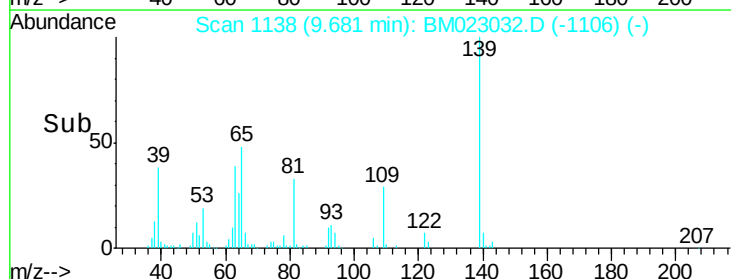
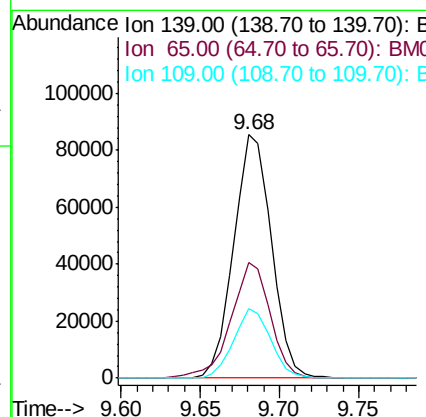
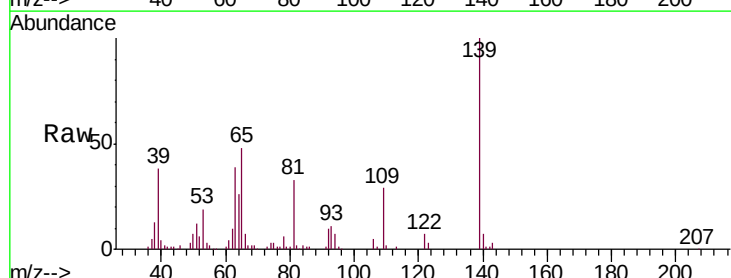
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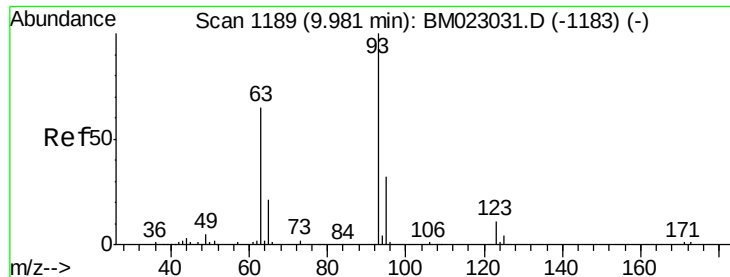
Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.6	38.9	58.3
65	12.7	10.2	15.2



#23
2-Nitrophenol
Concen: 24.025 ng/ul
RT: 9.68 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
139	100		
65	47.6	37.2	55.8
109	28.7	22.0	33.0

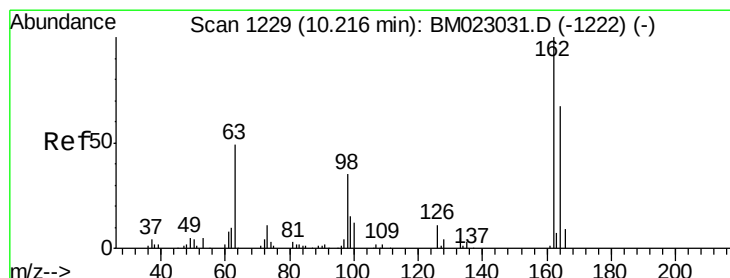
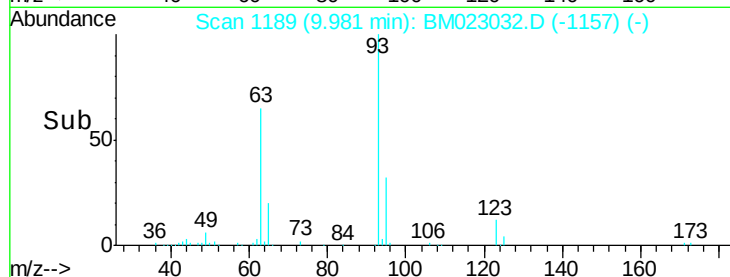
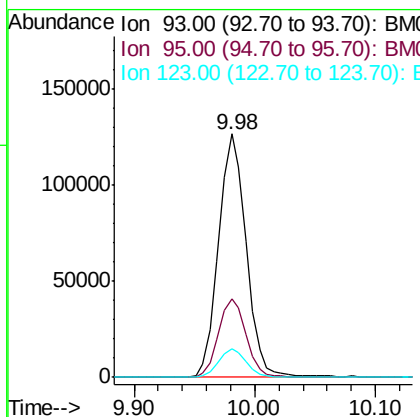
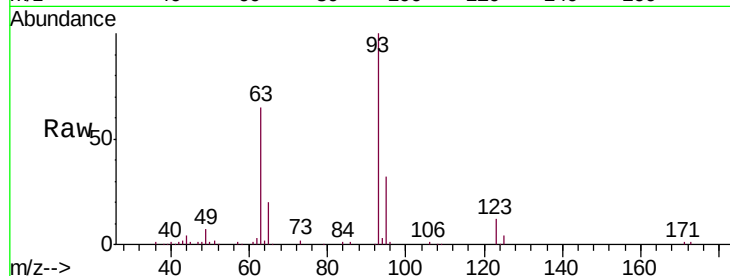




#25
 Bis(2-Chloroethoxy)methane
 Concen: 14.597 ng/ul
 RT: 9.98 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

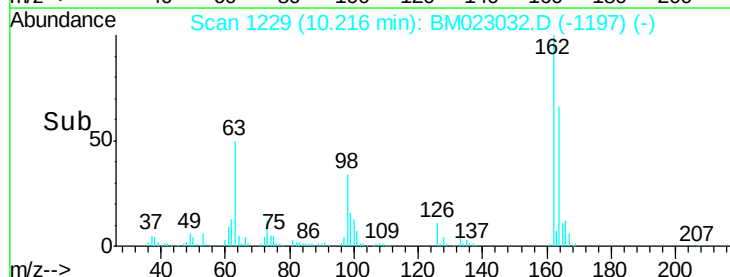
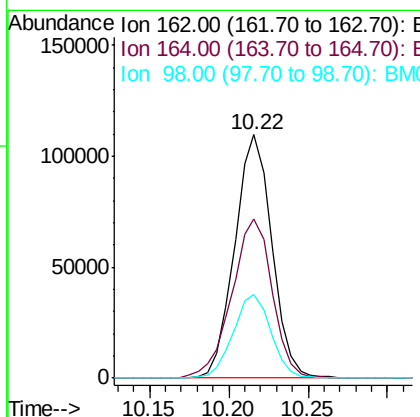
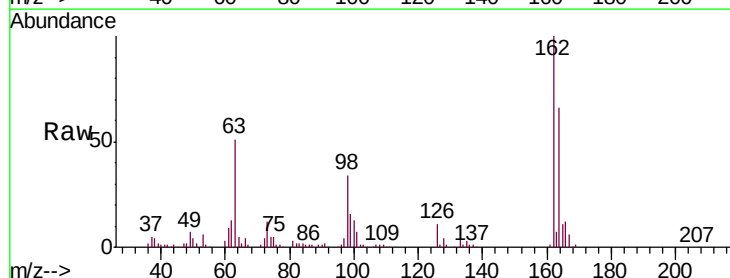
Instrument :
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 ClientSampleId :
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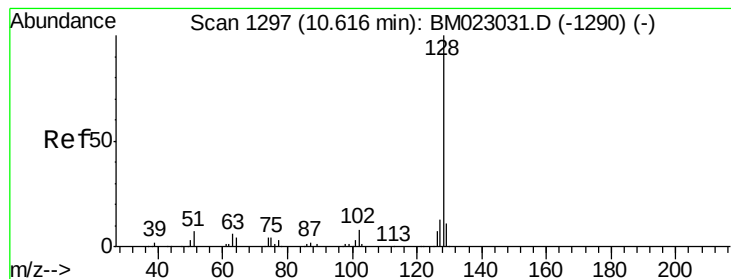
Tgt Ion: 93 Resp: 201453
 Ion Ratio Lower Upper
 93 100
 95 32.5 25.7 38.5
 123 11.8 9.4 14.0



#27
 2,4-Dichlorophenol
 Concen: 17.252 ng/ul
 RT: 10.22 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Tgt Ion: 162 Resp: 178637
 Ion Ratio Lower Upper
 162 100
 164 65.6 52.3 78.5
 98 34.2 27.4 41.2





#28

Naphthalene

Concen: 10.907 ng/ul

RT: 10.62 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

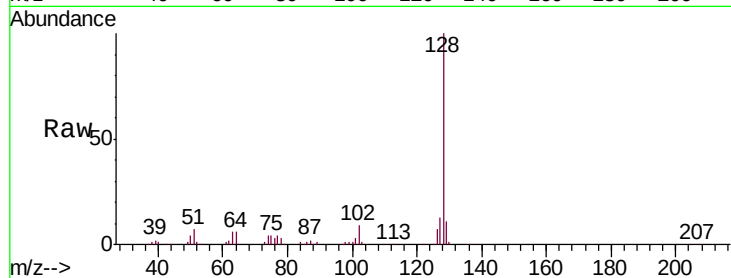
Tgt Ion:128 Resp: 359147

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

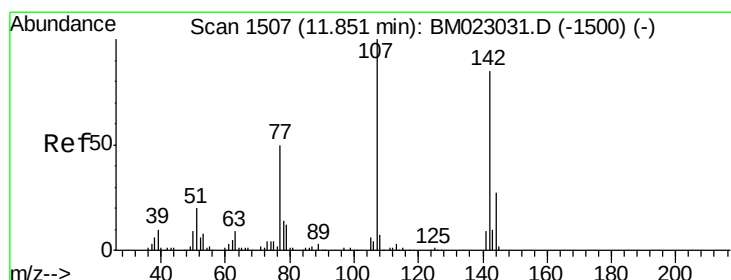
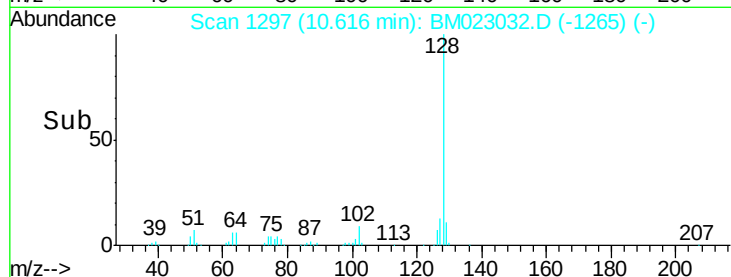
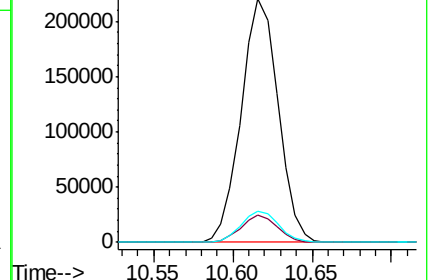
127 12.9 10.2 15.4



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



#33

4-Chloro-3-methylphenol

Concen: 53.246 ng/ul

RT: 11.85 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

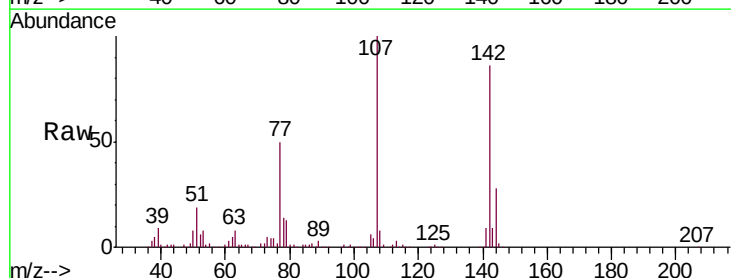
Tgt Ion:107 Resp: 567625

Ion Ratio Lower Upper

107 100

144 28.3 22.5 33.7

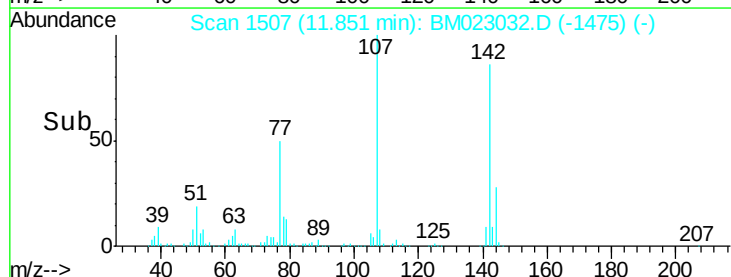
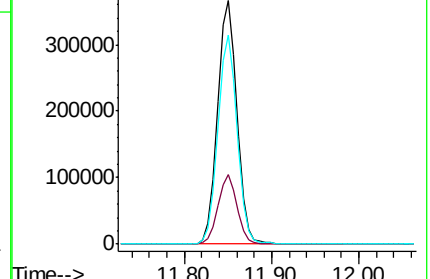
142 86.1 68.9 103.3

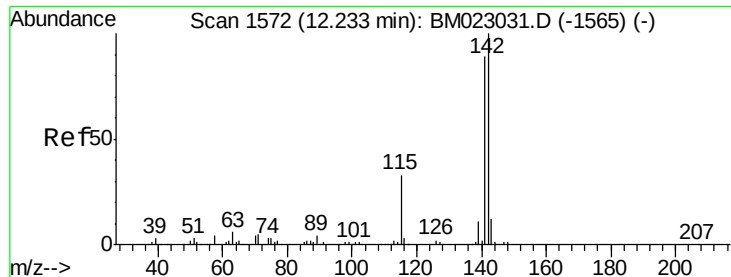


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

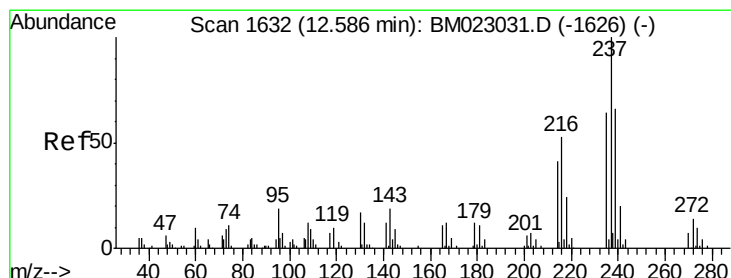
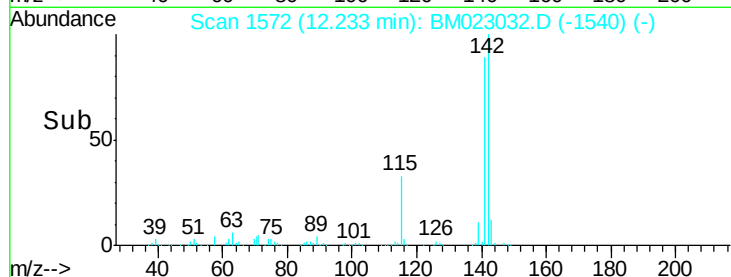
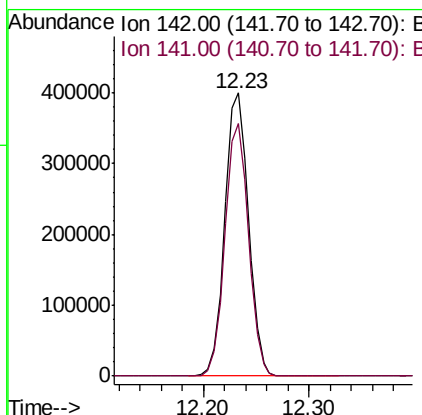
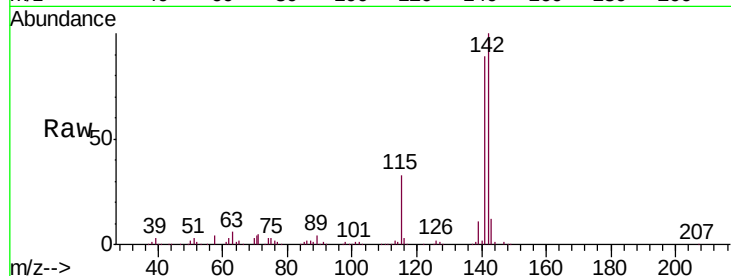




#34
2-Methylnaphthalene
Concen: 25.172 ng/ul
RT: 12.23 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

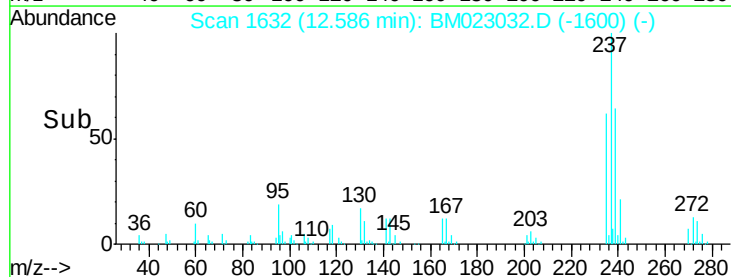
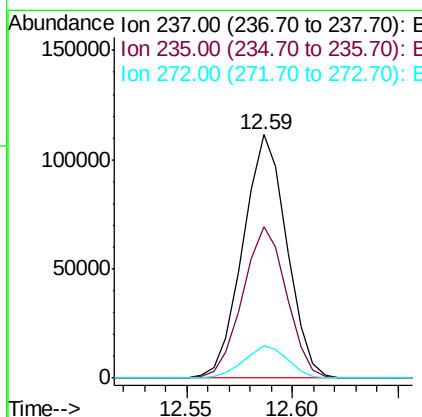
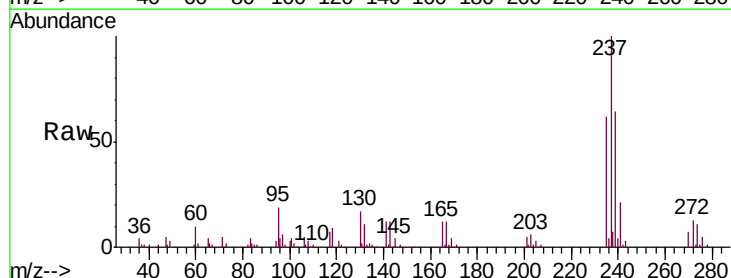
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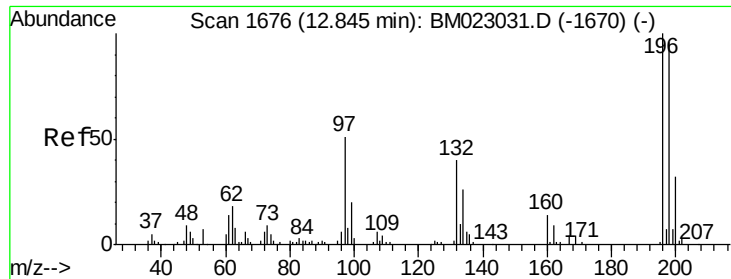
Tgt Ion:142 Resp: 621426
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8



#38
Hexachlorocyclopentadiene
Concen: 21.582 ng/ul
RT: 12.59 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

Tgt Ion:237 Resp: 161057
Ion Ratio Lower Upper
237 100
235 62.2 50.4 75.6
272 13.4 10.9 16.3

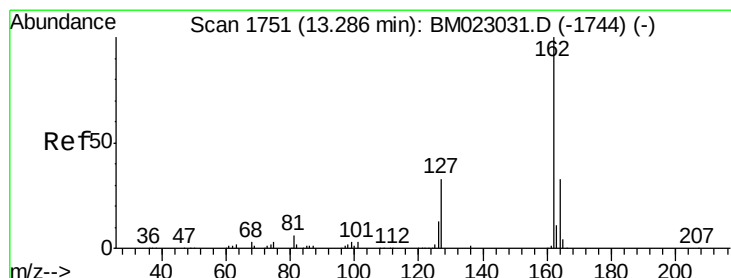
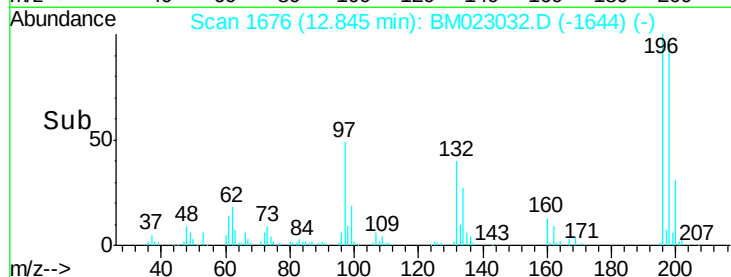
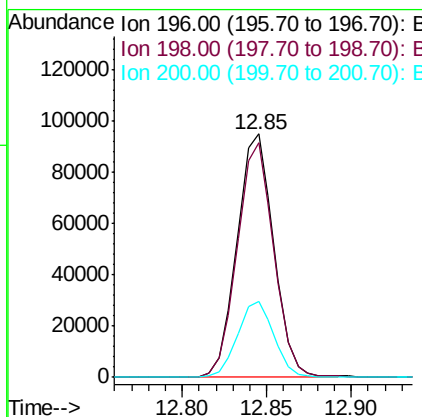
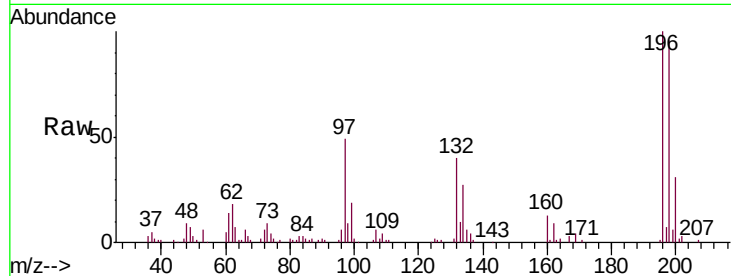




#39
 2,4,6-Trichlorophenol
 Concen: 18.163 ng/ul
 RT: 12.85 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

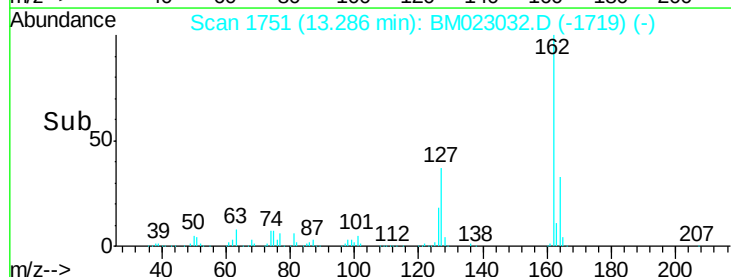
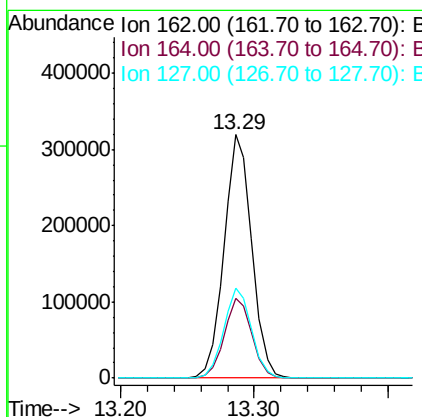
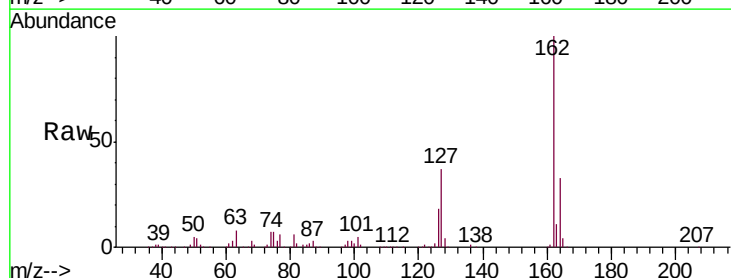
Instrument :
 BNA_M
 ClientSampleId :
 DBAC7

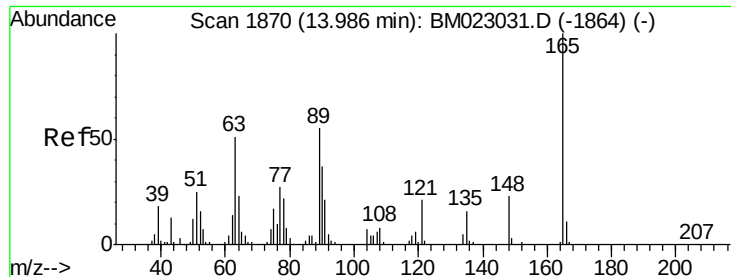
Tgt Ion:196 Resp: 143430
 Ion Ratio Lower Upper
 196 100
 198 96.2 76.5 114.7
 200 31.4 25.0 37.6



#42
 2-Chloronaphthalene
 Concen: 20.435 ng/ul
 RT: 13.29 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Tgt Ion:162 Resp: 464219
 Ion Ratio Lower Upper
 162 100
 164 32.9 26.5 39.7
 127 37.0 29.7 44.5

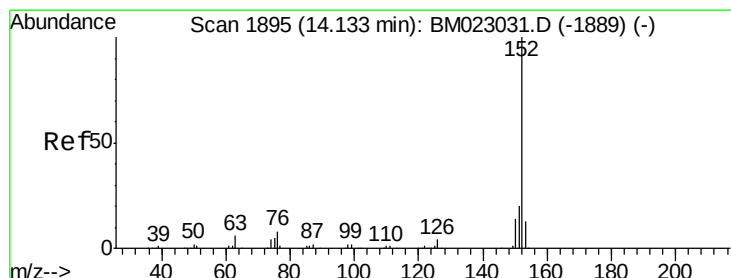
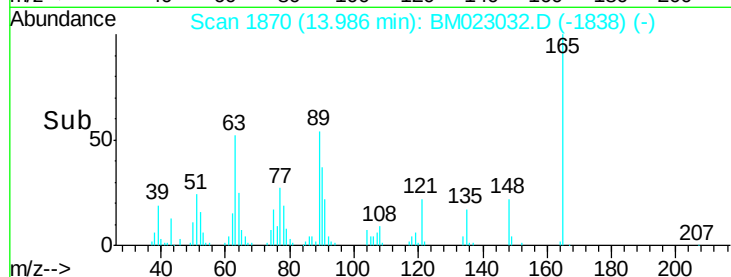
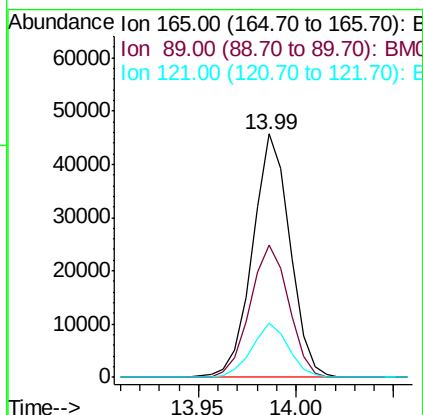
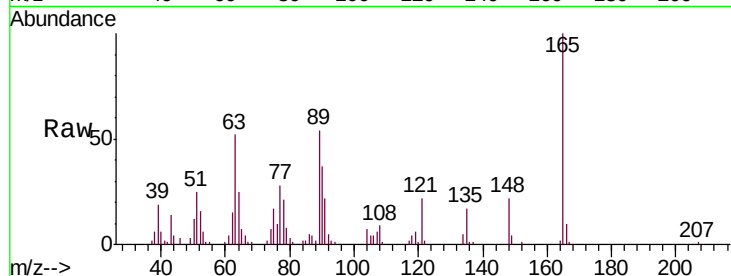




#46
2,6-Dinitrotoluene
Concen: 10.559 ng/ul
RT: 13.99 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

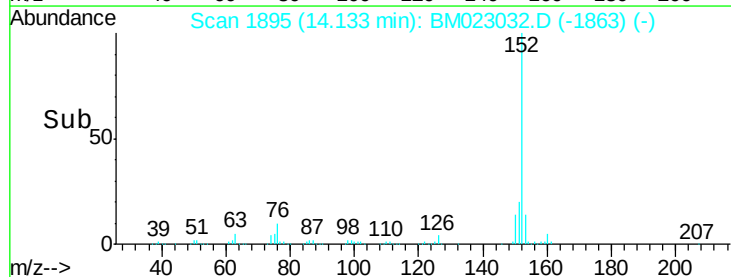
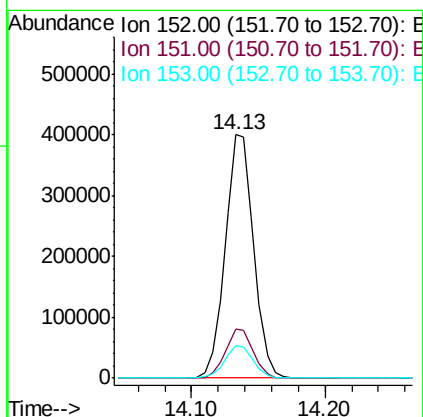
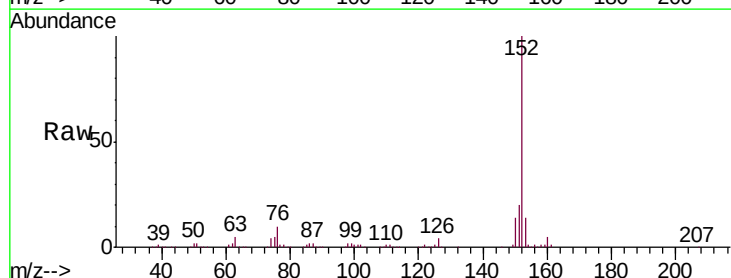
Instrument :
BNA_M
ClientSampleId :
DBAC7

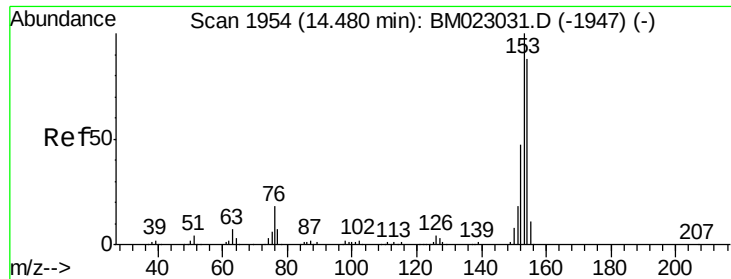
Tgt Ion:165 Resp: 60912
Ion Ratio Lower Upper
165 100
89 54.4 41.0 61.4
121 22.1 16.1 24.1



#48
Acenaphthylene
Concen: 16.977 ng/ul
RT: 14.13 min Scan# 1895
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

Tgt Ion:152 Resp: 595964
Ion Ratio Lower Upper
152 100
151 19.9 16.0 24.0
153 13.5 10.6 16.0





#50

Acenaphthene

Concen: 13.220 ng/ul

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

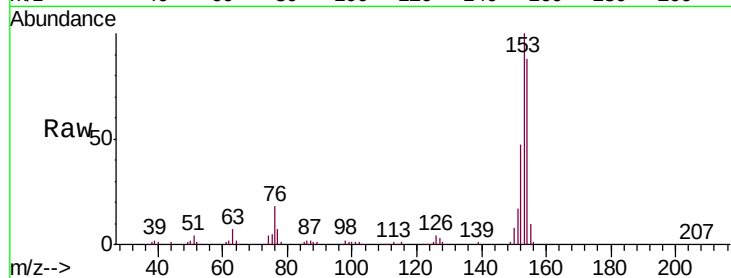
Tgt Ion:153 Resp: 323282

Ion Ratio Lower Upper

153 100

152 47.2 38.1 57.1

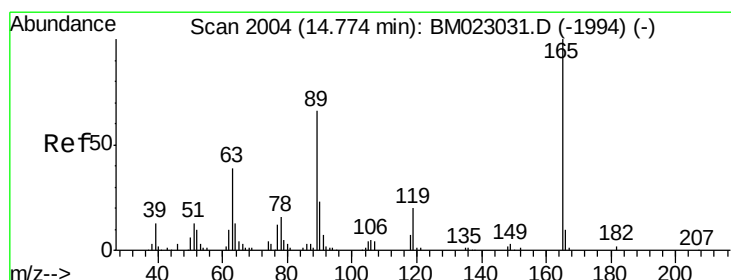
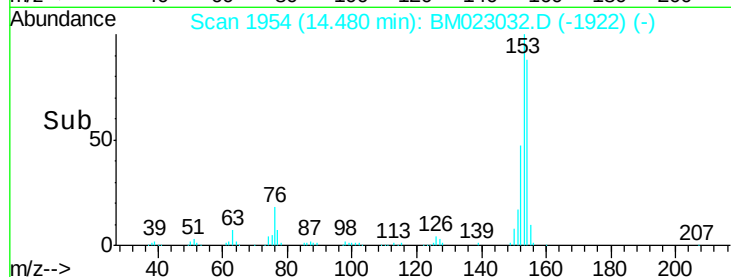
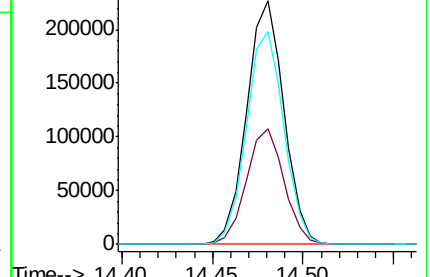
154 87.6 71.1 106.7



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



#55

2,4-Dinitrotoluene

Concen: 26.070 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

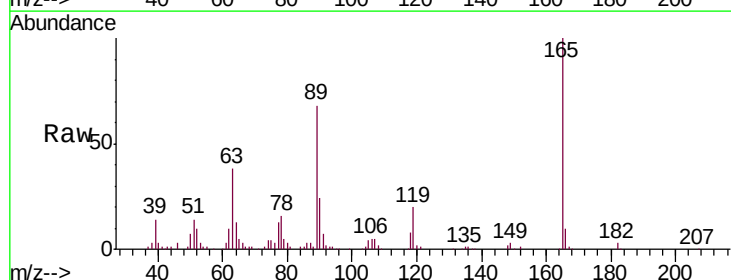
Tgt Ion:165 Resp: 221893

Ion Ratio Lower Upper

165 100

63 38.4 29.8 44.6

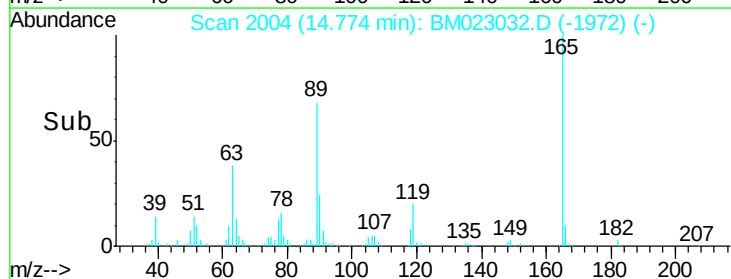
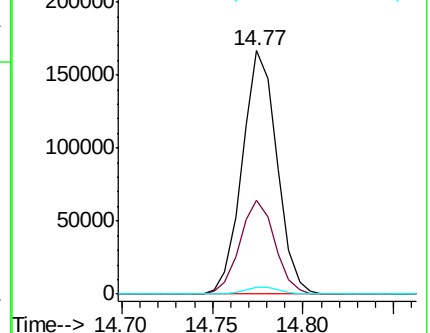
182 2.8 2.2 3.4

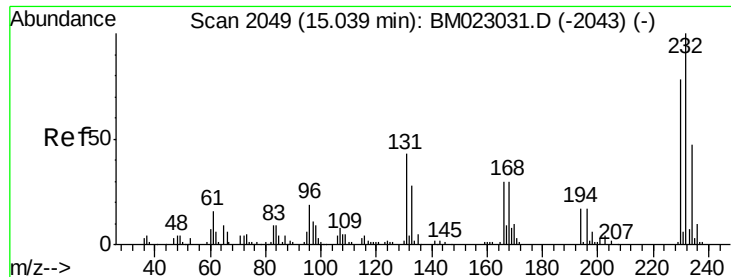


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

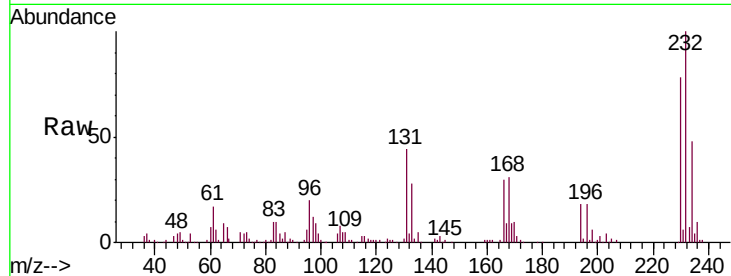




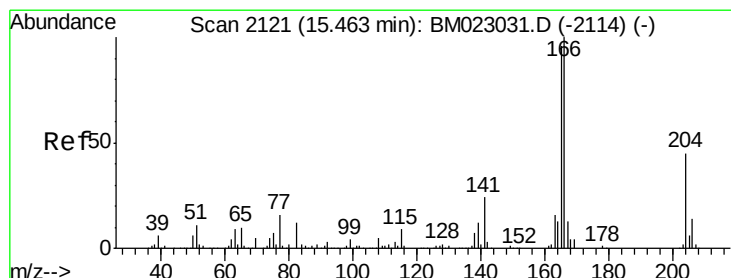
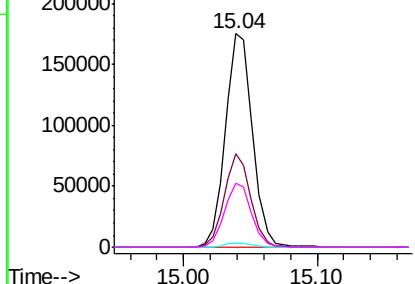
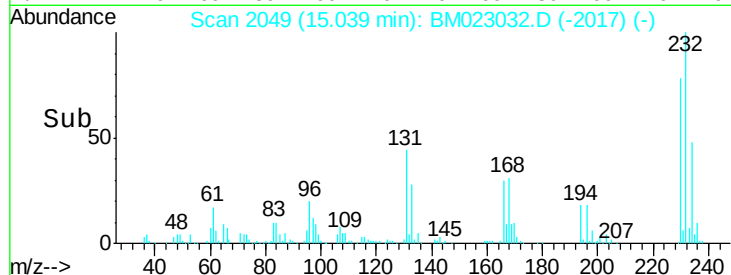
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 33.046 ng/ul
 RT: 15.04 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Instrument :
 BNA_M
 ClientSampleId :
 DBAC7

Tgt Ion:	232	Resp:	250406
Ion	Ratio	Lower	Upper
232	100		
131	43.7	32.5	48.7
130	2.1	1.6	2.4
166	30.1	23.4	35.2

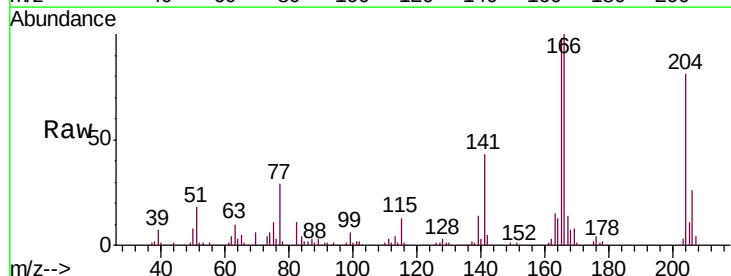


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

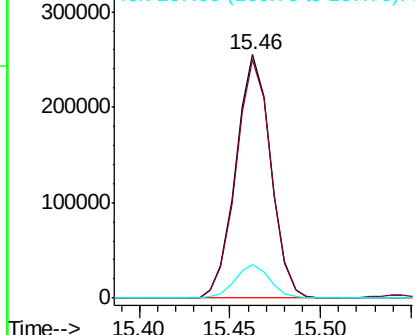
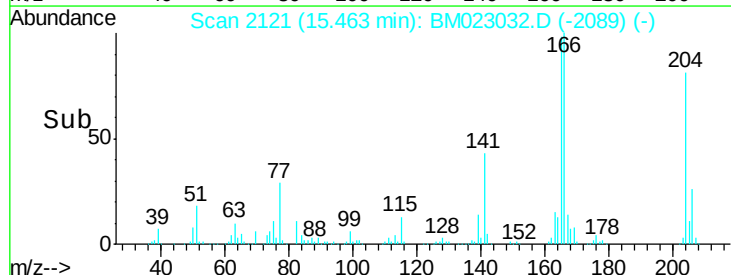


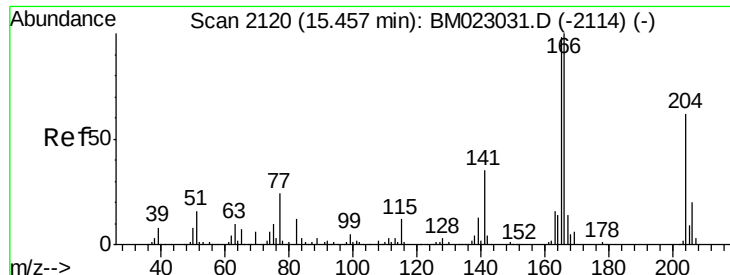
#59
 Fluorene
 Concen: 12.124 ng/ul
 RT: 15.46 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Tgt Ion:	166	Resp:	342186
Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.7	116.5
167	13.9	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

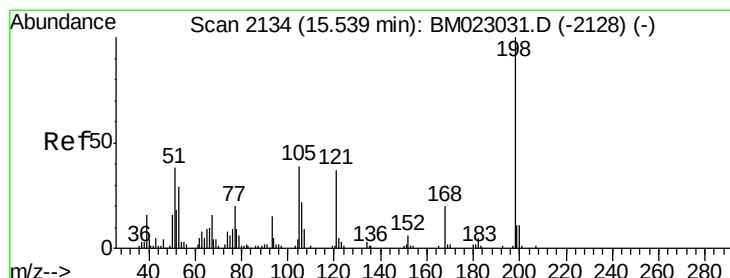
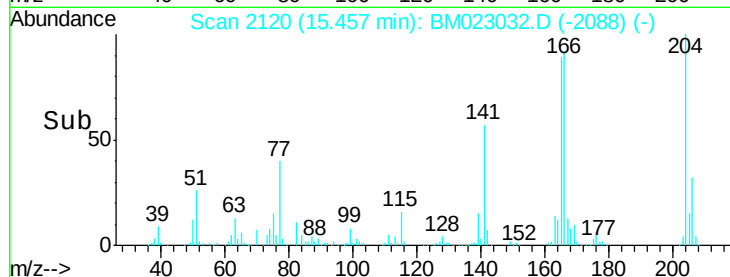
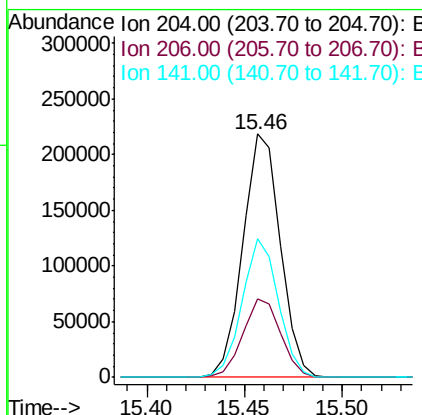
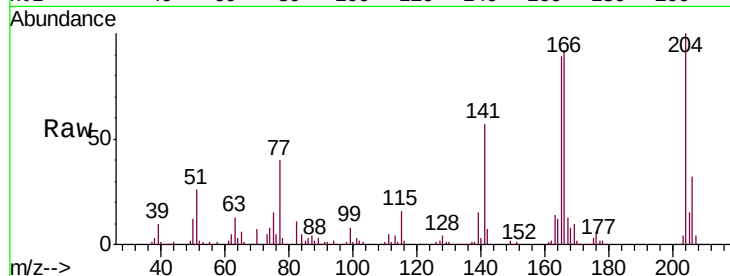




#60
 4-Chlorophenyl-phenylether
 Concen: 20.315 ng/ul
 RT: 15.46 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

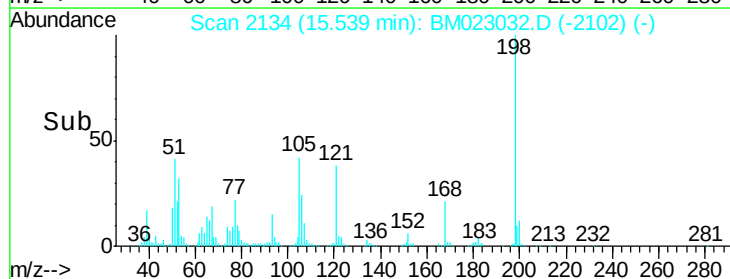
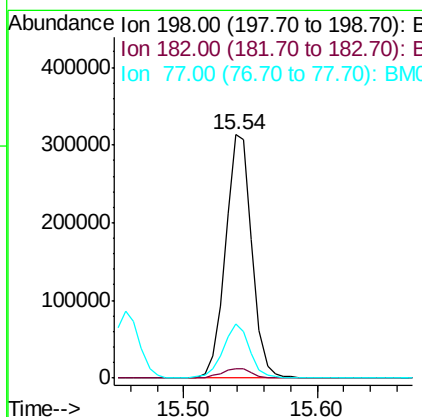
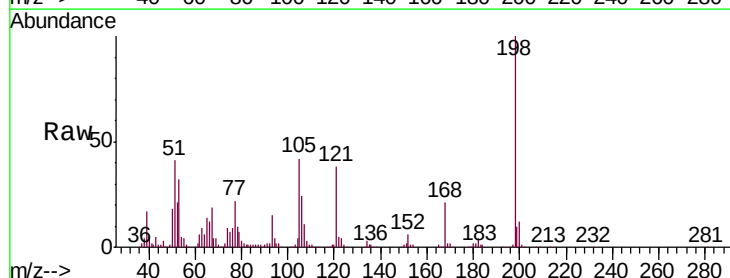
Instrument :
 BNA_M
 ClientSampled :
 DBAC7

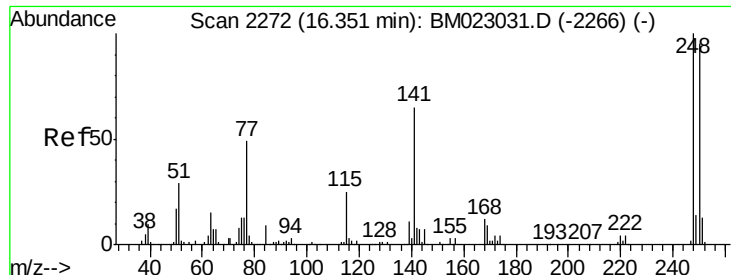
Tgt Ion:204 Resp: 290639
 Ion Ratio Lower Upper
 204 100
 206 32.3 26.6 40.0
 141 56.8 42.7 64.1



#64
 4,6-Dinitro-2-methylphenol
 Concen: 81.096 ng/ul
 RT: 15.54 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Tgt Ion:198 Resp: 433681
 Ion Ratio Lower Upper
 198 100
 182 4.0 3.4 5.0
 77 22.2 18.6 27.8

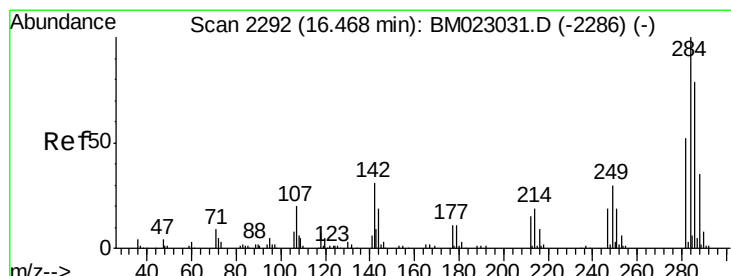
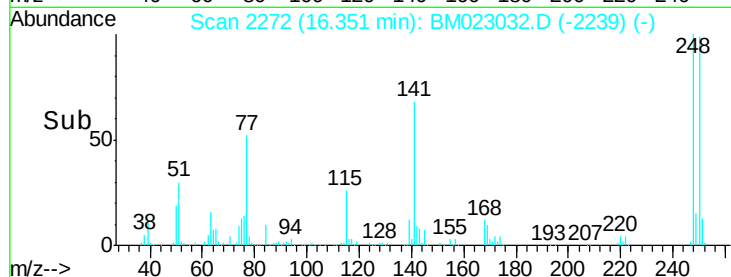
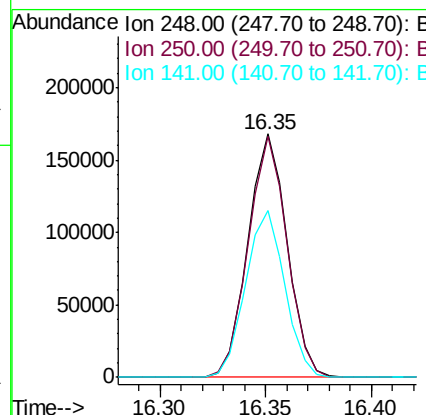
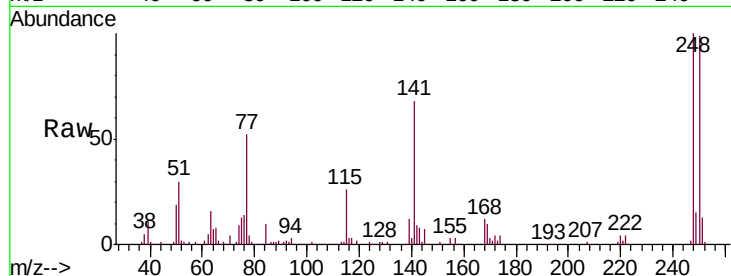




#66
 4-Bromophenyl-phenylether
 Concen: 24.407 ng/ul
 RT: 16.35 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

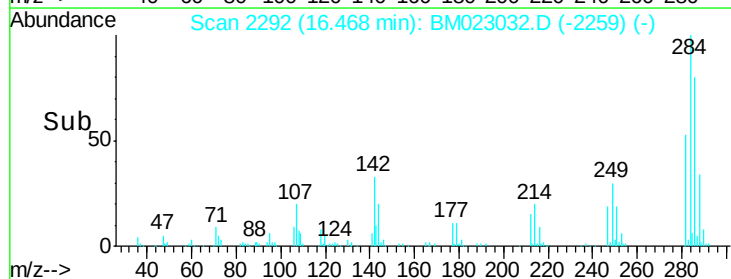
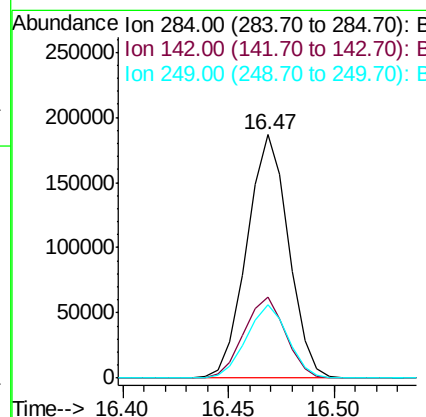
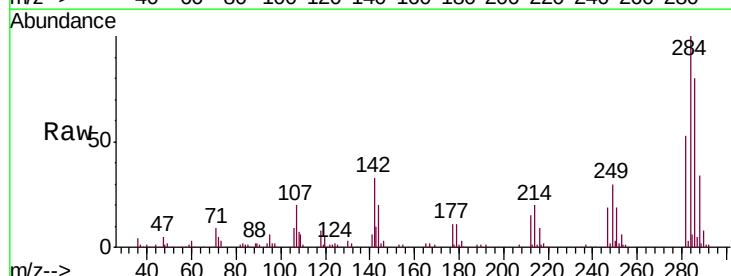
Instrument :
 BNA_M
 ClientSampled :
 DBAC7

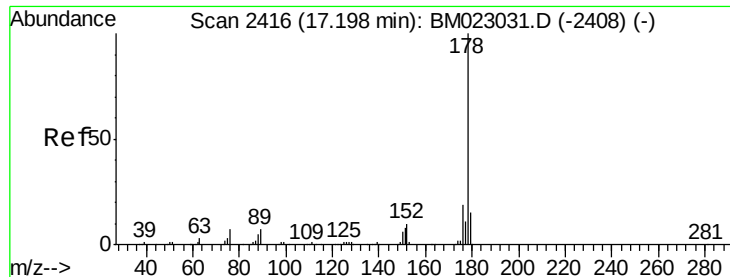
Tgt Ion:248 Resp: 216350
 Ion Ratio Lower Upper
 248 100
 250 99.0 77.5 116.3
 141 68.3 53.8 80.6



#67
 Hexachlorobenzene
 Concen: 25.814 ng/ul
 RT: 16.47 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BM023032.D
 Acq: 07 Oct 2019 14:39

Tgt Ion:284 Resp: 255132
 Ion Ratio Lower Upper
 284 100
 142 33.5 27.8 41.6
 249 30.2 24.2 36.2





#70

Phenanthrene

Concen: 13.222 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

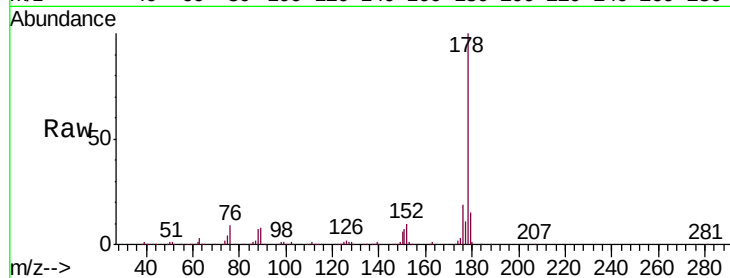
Tgt Ion:178 Resp: 579840

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

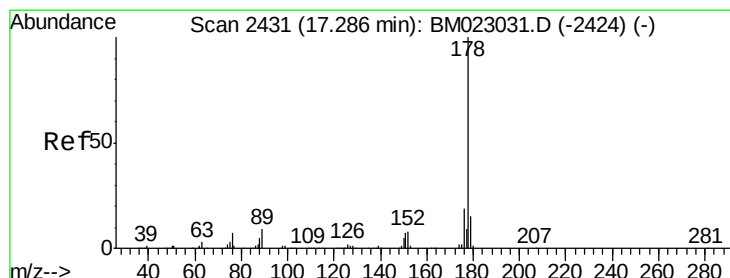
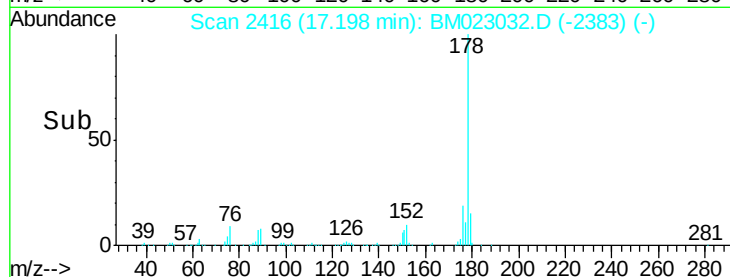
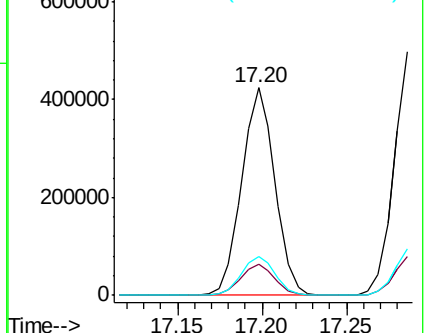
176 18.9 15.3 22.9



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: 15.732 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

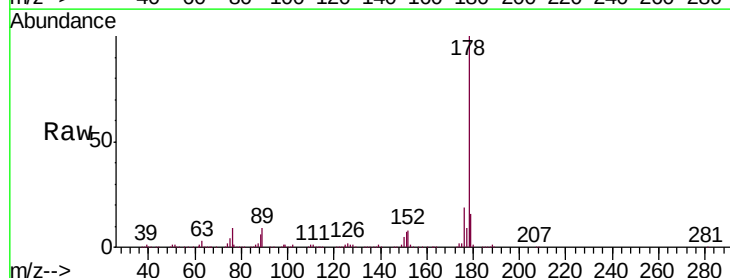
Tgt Ion:178 Resp: 702993

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

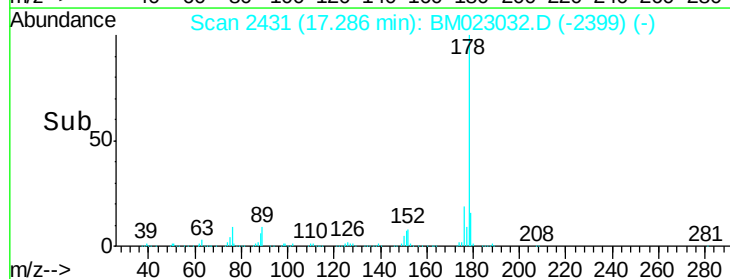
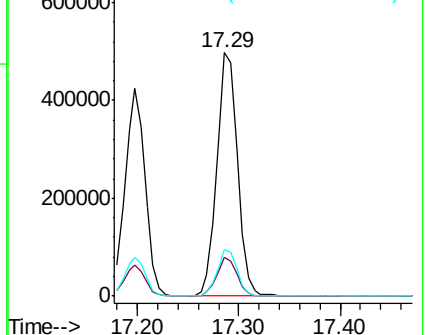
176 18.9 15.0 22.6

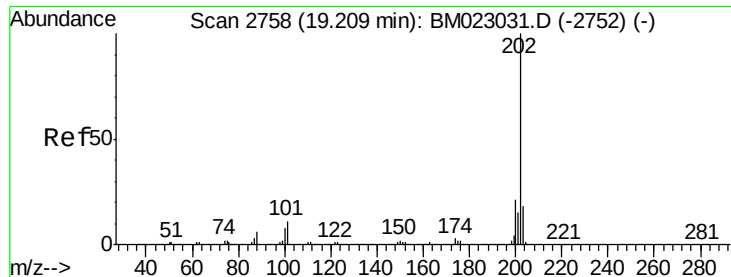


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

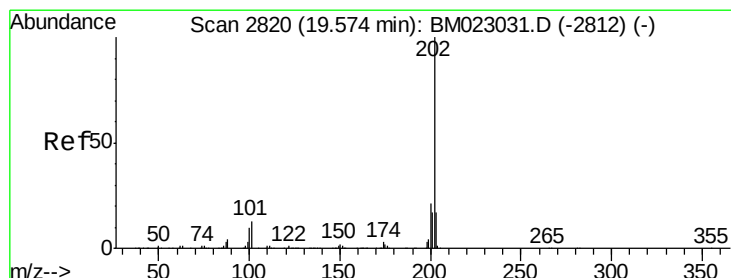
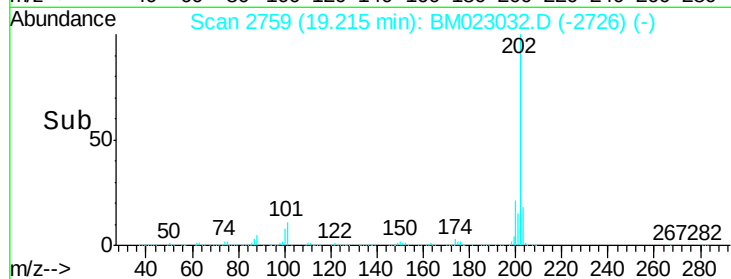
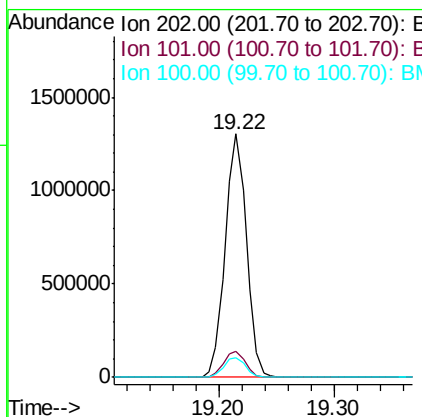
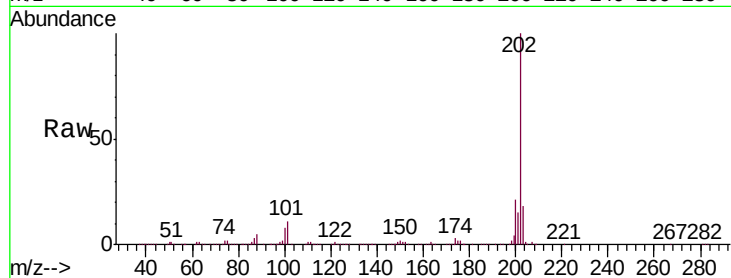




#77
Fluoranthene
Concen: 33.828 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

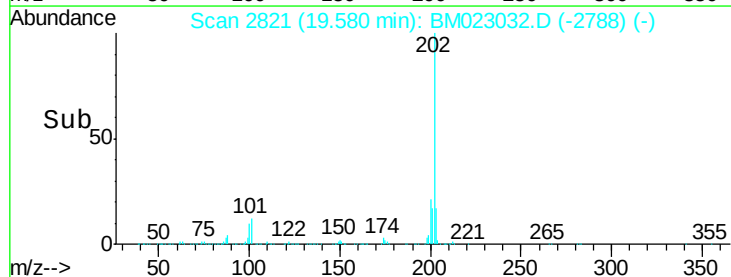
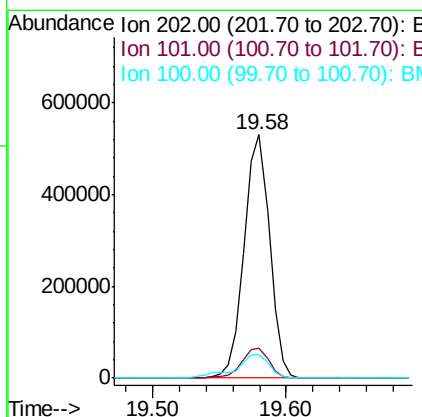
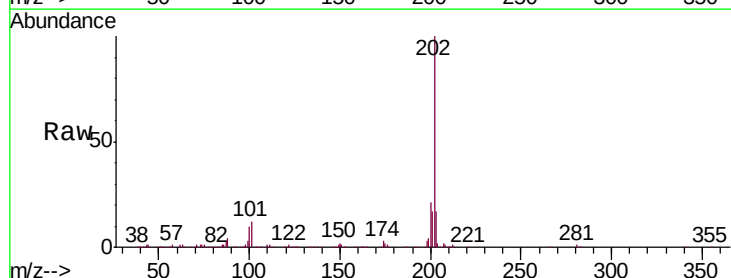
Instrument :
BNA_M
ClientSampleId :
DBAC7

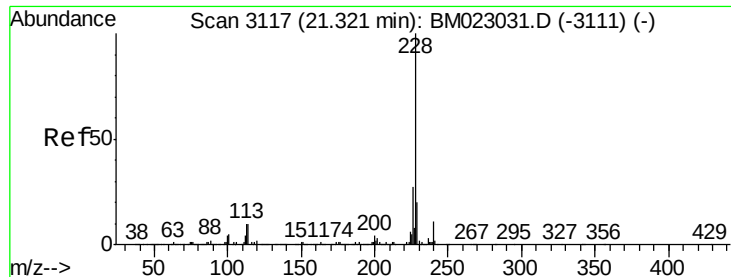
Tgt Ion:202 Resp: 1668508
Ion Ratio Lower Upper
202 100
101 10.9 8.6 12.8
100 8.1 6.4 9.6



#80
Pyrene
Concen: 12.903 ng/ul
RT: 19.58 min Scan# 2821
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

Tgt Ion:202 Resp: 700022
Ion Ratio Lower Upper
202 100
101 12.2 9.7 14.5
100 9.9 7.8 11.8

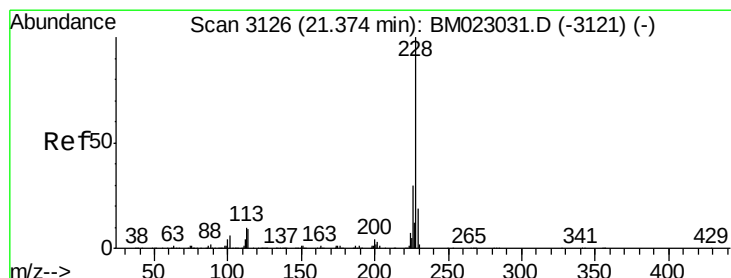
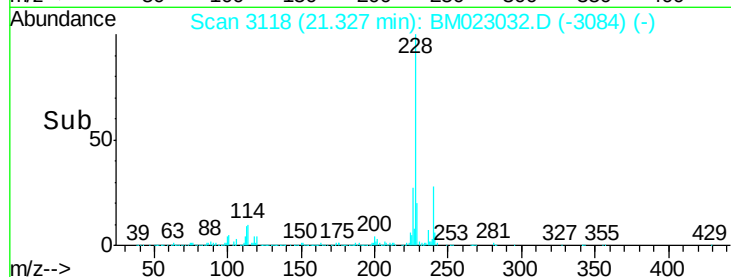
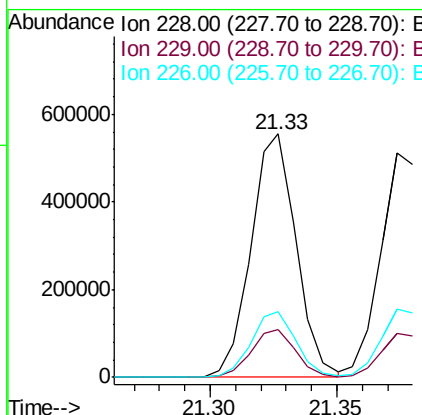
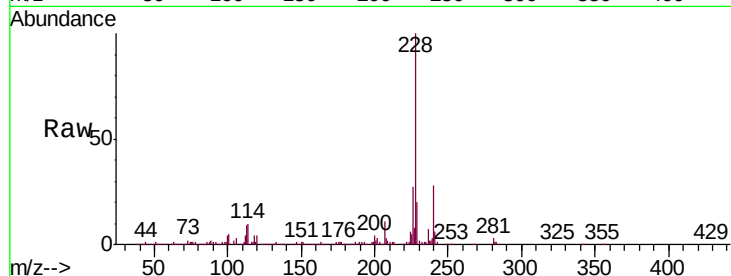




#83
Benzo(a)anthracene
Concen: 12.550 ng/ul
RT: 21.33 min Scan# 3118
Delta R.T. -0.00 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

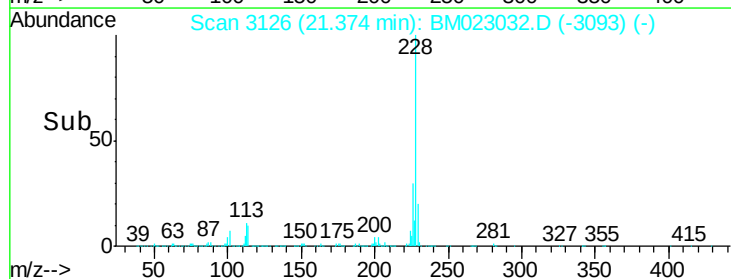
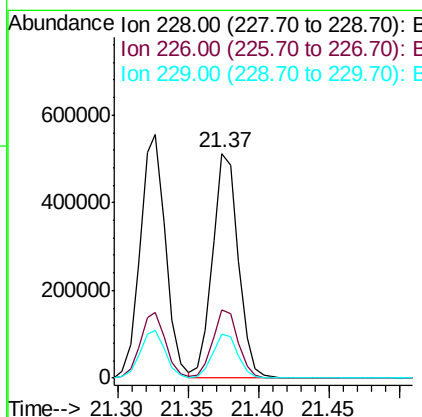
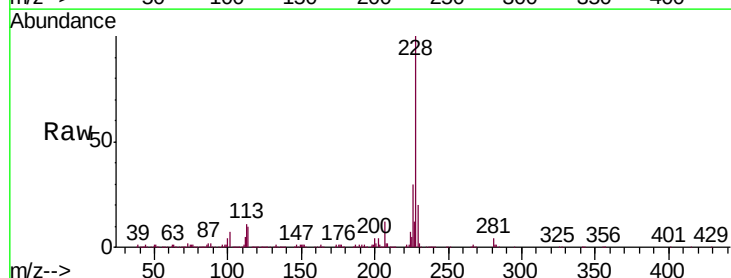
Instrument :
BNA_M
ClientSampleId :
DBAC7

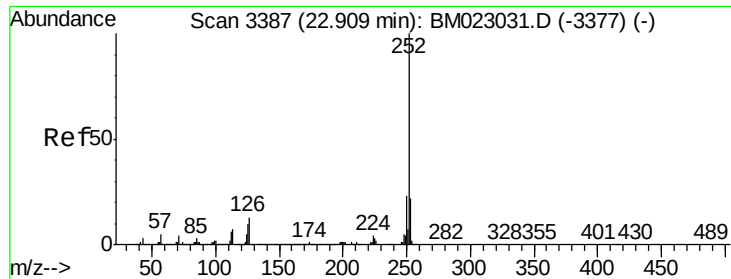
Tgt Ion:228 Resp: 689573
Ion Ratio Lower Upper
228 100
229 19.6 15.8 23.8
226 27.2 22.4 33.6



#85
Chrysene
Concen: 12.752 ng/ul
RT: 21.37 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM023032.D
Acq: 07 Oct 2019 14:39

Tgt Ion:228 Resp: 646008
Ion Ratio Lower Upper
228 100
226 30.3 24.2 36.4
229 19.8 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 40.567 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. -0.00 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

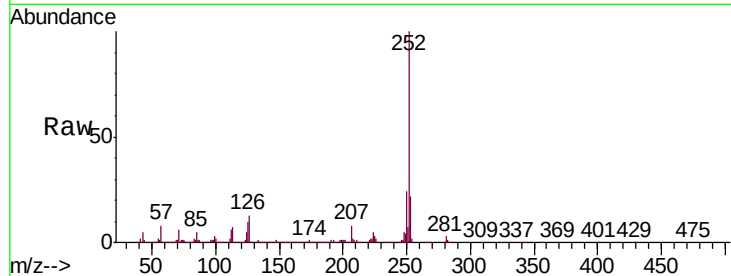
Tgt Ion:252 Resp: 2275764

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

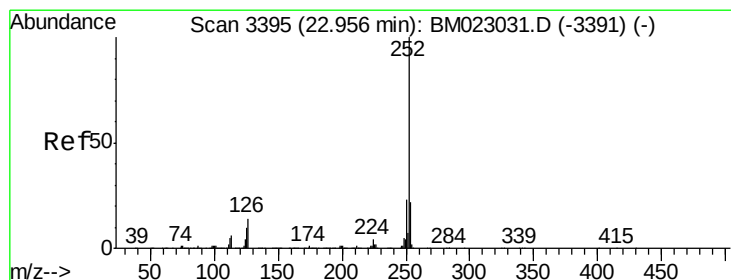
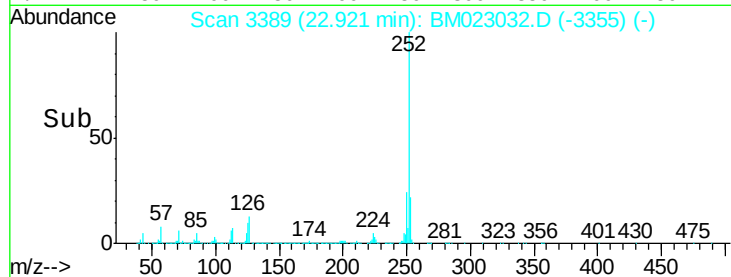
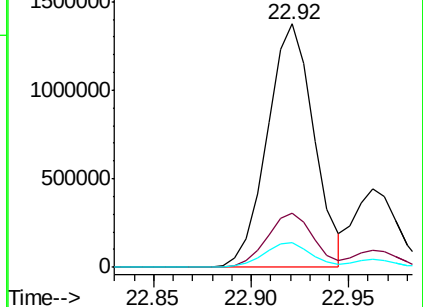
125 10.2 8.2 12.2



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: 12.576 ng/ul

RT: 22.96 min Scan# 3396

Delta R.T. -0.00 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

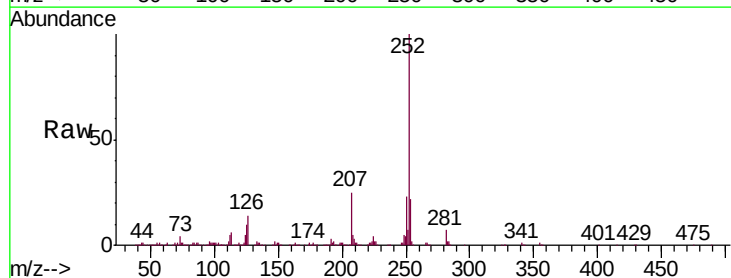
Tgt Ion:252 Resp: 674932

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

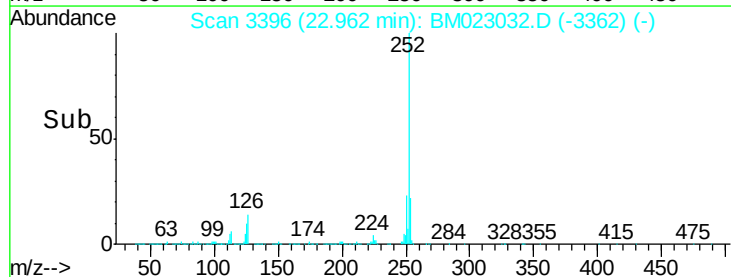
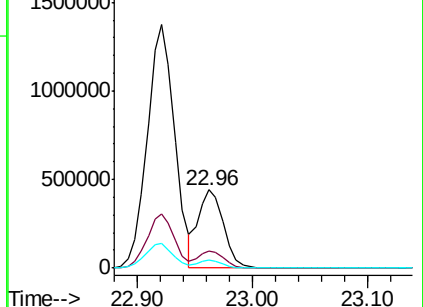
125 9.9 7.9 11.9

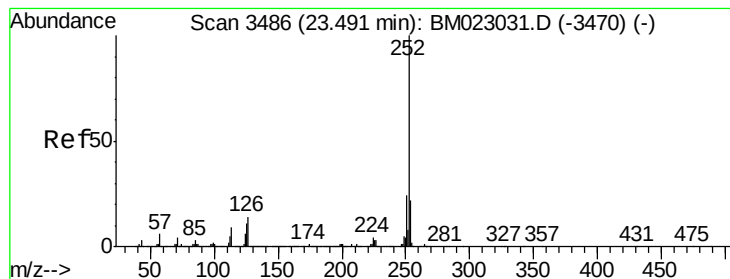


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 11.298 ng/ul

RT: 23.50 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

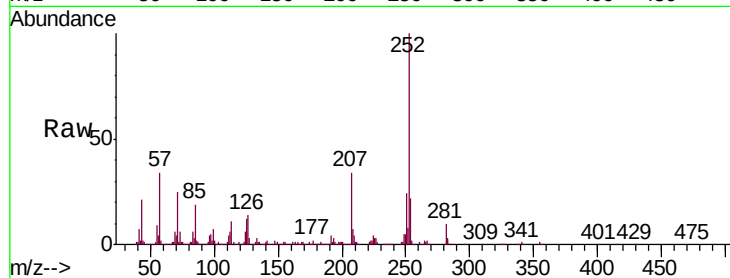
Tgt Ion:252 Resp: 594596

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

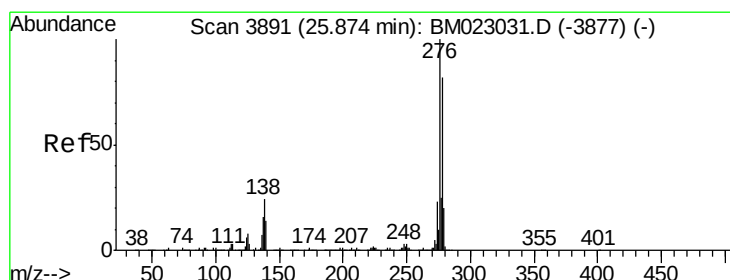
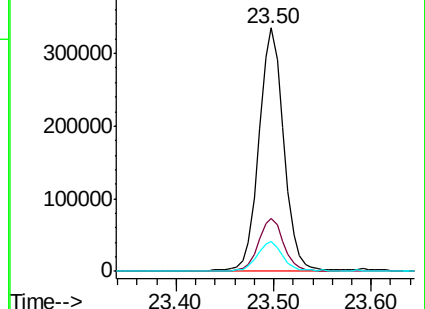
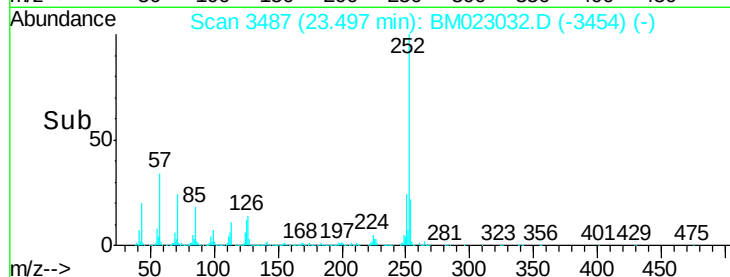
125 12.4 8.7 13.1



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: 15.773 ng/ul

RT: 25.88 min Scan# 3892

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

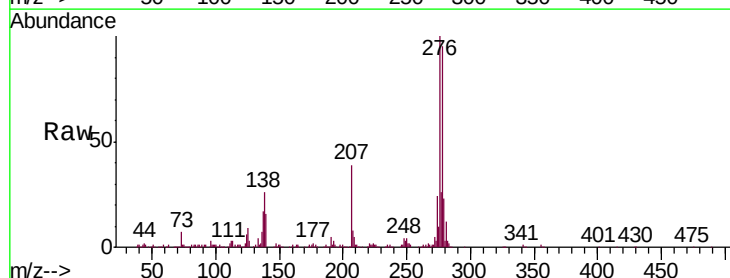
Tgt Ion:276 Resp: 881716

Ion Ratio Lower Upper

276 100

138 25.8 19.8 29.8

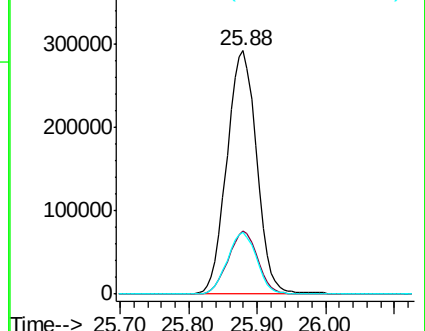
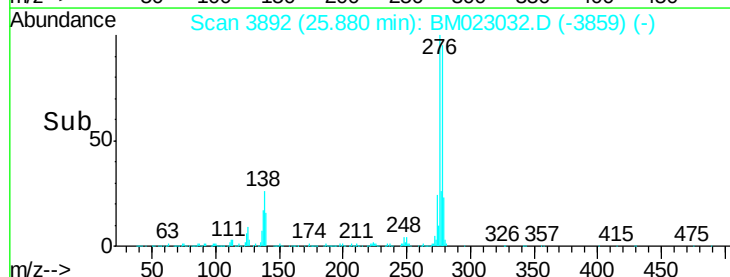
277 25.5 20.3 30.5

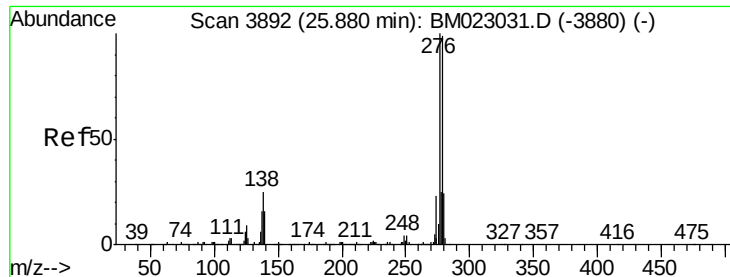


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 18.599 ng/ul

RT: 25.89 min Scan# 3894

Delta R.T. -0.01 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

Instrument :

BNA_M

ClientSampleId :

DBAC7

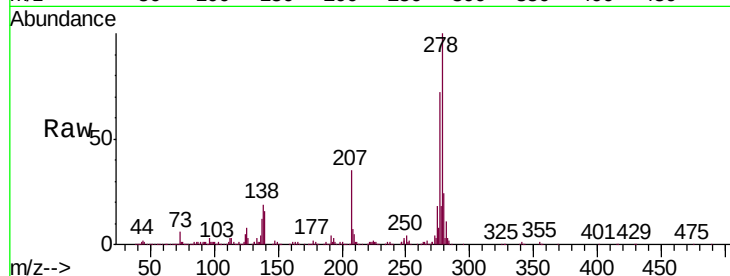
Tgt Ion:278 Resp: 869766

Ion Ratio Lower Upper

278 100

139 16.0 13.2 19.8

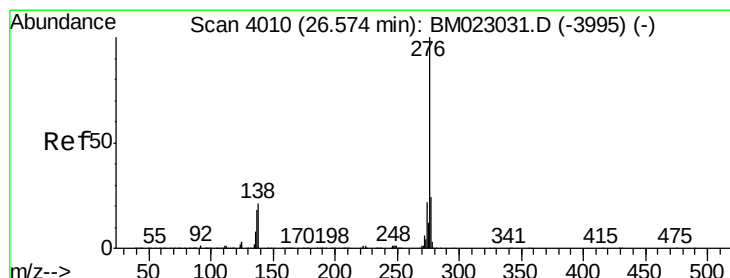
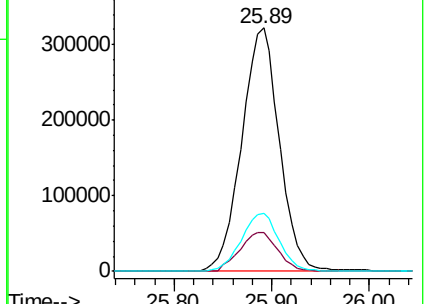
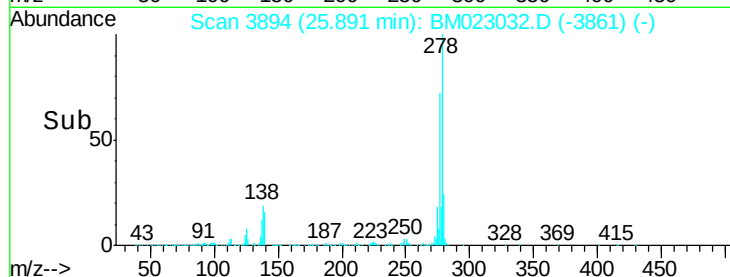
279 24.1 19.0 28.6



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: 17.159 ng/ul

RT: 26.57 min Scan# 4010

Delta R.T. -0.02 min

Lab File: BM023032.D

Acq: 07 Oct 2019 14:39

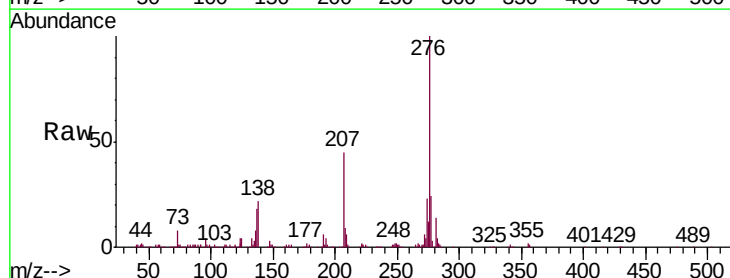
Tgt Ion:276 Resp: 773873

Ion Ratio Lower Upper

276 100

138 21.6 17.6 26.4

277 23.9 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

