

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072219\
 Data File : BM021586.D
 Acq On : 22 Jul 2019 11:47
 Operator : HP/JU
 Sample : K3770-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2H32

Quant Time: Jul 22 12:32:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 20 05:03:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	136867	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	635196	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	429803	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	1121158	20.00	ng/ul	0.00
77) Chrysene-d12	21.30	240	1279760	20.00	ng/ul	0.00
85) Perylene-d12	23.55	264	1524713	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	27740	9.98	ng/uL	0.00
5) Phenol-d5	6.89	99	366413	34.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	214297	33.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	302351	33.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	315684	37.24	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	159115	30.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	189748	32.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	357120	30.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.64	131	450916	42.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.77	166	1305898	34.69	ng/ul	0.00
46) Acenaphthylene-d8	14.05	160	1438192	30.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	183151	30.70	ng/ul	-0.01
57) Fluorene-d10	15.35	176	1126618	33.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	202036	26.81	ng/ul	0.00
70) Anthracene-d10	17.20	188	1899397	32.62	ng/ul	0.00
78) Pyrene-d10	19.50	212	2291529	32.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.40	264	2869502	32.72	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.91	94	233766	22.950	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.42	70	8301	1.297	ng/ul# 1
17) Hexachloroethane	8.77	117	100662	26.151	ng/ul 95
28) Naphthalene	10.67	128	44300	1.340	ng/ul# 1
30) 4-Chloroaniline	10.67	127	543599	53.307	ng/ul 99
40) 1,1'-Biphenyl	13.18	154	1314579	36.544	ng/ul 99
42) 2-Nitroaniline	13.45	65	497140	78.919	ng/ul 96
44) Dimethylphthalate	13.82	163	729338	20.807	ng/ul 99
45) 2,6-Dinitrotoluene	13.82	165	7736	1.212	ng/ul# 57
49) Acenaphthene	14.42	153	542905	18.170	ng/ul 100
56) Diethylphthalate	15.19	149	688792	20.467	ng/ul 99
63) 4,6-Dinitro-2-methylphenol	15.50	198	288106	38.425	ng/ul 98
66) Hexachlorobenzene	16.40	284	478475	29.013	ng/ul 99
69) Phenanthrene	17.24	178	740686	11.716	ng/ul 99
71) Anthracene	17.24	178	740686	11.512	ng/ul 99
75) Di-n-butylphthalate	18.07	149	1426336	23.312	ng/ul 99
80) Butylbenzylphthalate	20.43	149	762550	25.416	ng/ul 99
82) Benzo(a)anthracene	21.33	228	1250182	14.265	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.20	149	1313673	29.767	ng/ul 99
84) Chrysene	21.33	228	1250182	15.174	ng/ul 99
86) Di-n-octyl phthalate	22.09	149	1388290	16.855	ng/ul 100
87) Benzo(b)fluoranthene	22.84	252	107292	1.129	ng/ul# 14
90) Benzo(a)pyrene	23.45	252	1010723	11.013	ng/ul 100

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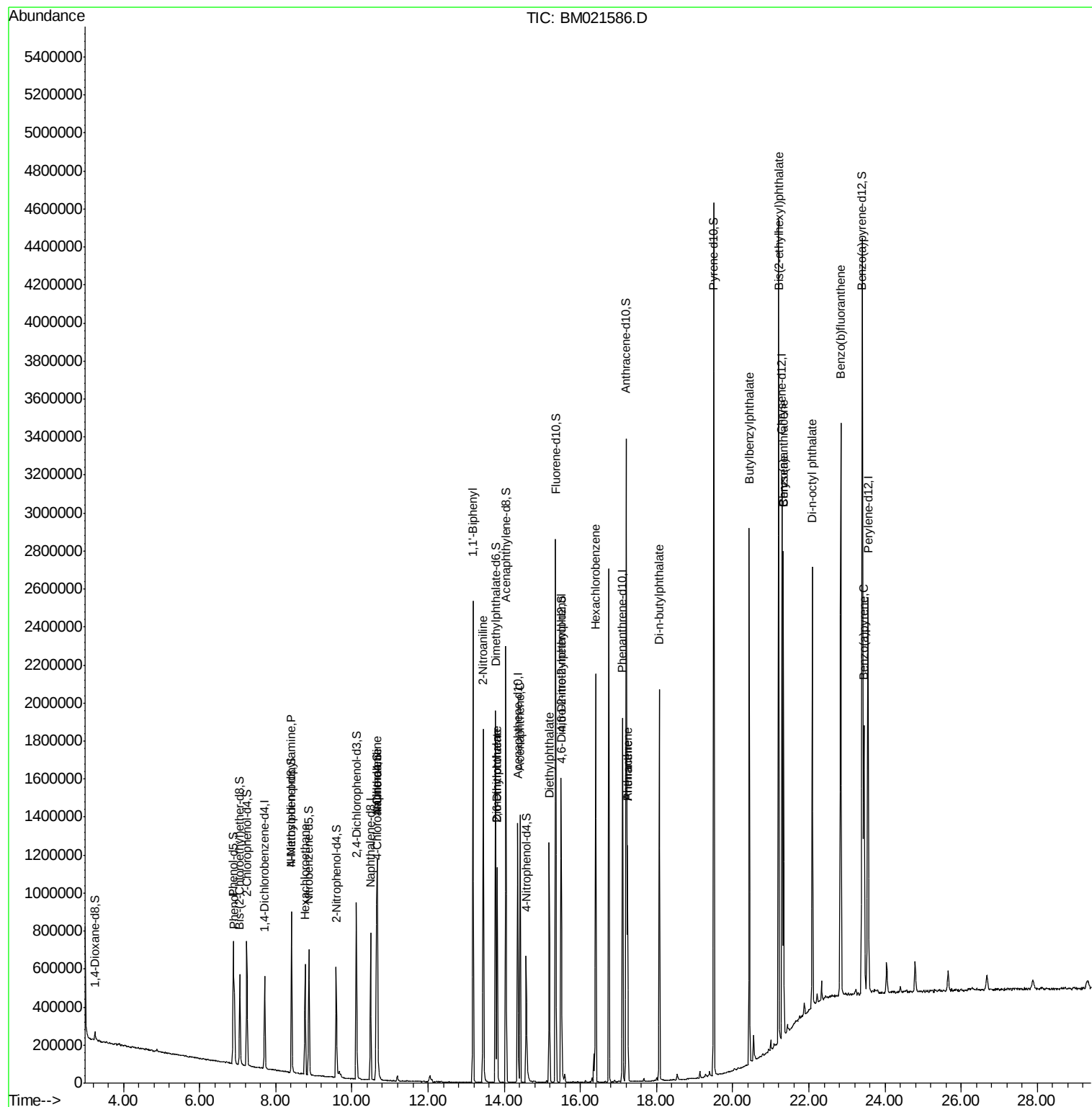
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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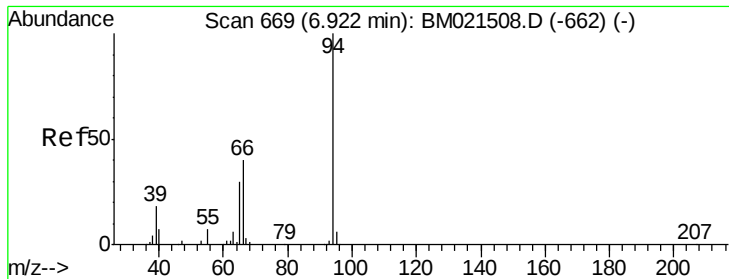
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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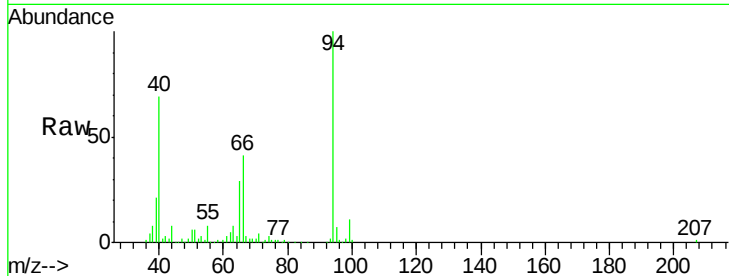
#6

Phenol

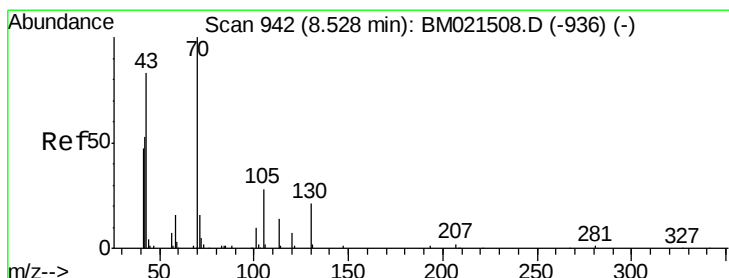
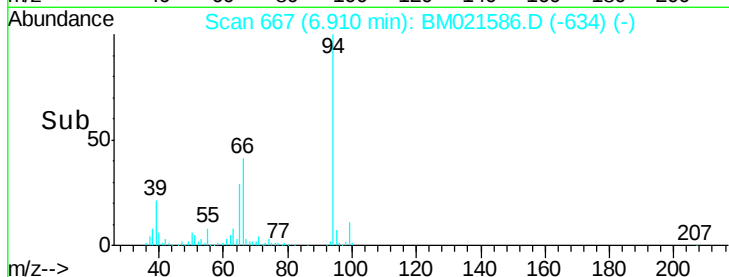
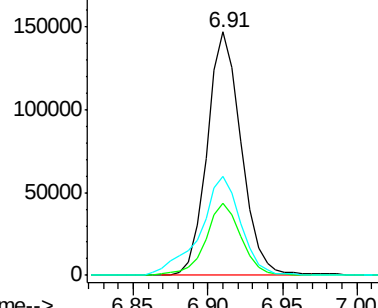
Concen: 22.950 ng/ul
 RT: 6.91 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BM021586.D
 Acq: 22 Jul 2019 11:47

Instrument :
 BNA_M
 ClientSampleId :
 X2H32

Tot Ion: 94 Resp: 233766
 Ion Ratio Lower Upper
 94 100
 65 29.5 23.0 34.6
 66 40.8 31.6 47.4



Abundance Ion 94.00 (93.70 to 94.70): BM0
 Ion 65.00 (64.70 to 65.70): BM0
 Ion 66.00 (65.70 to 66.70): BM0

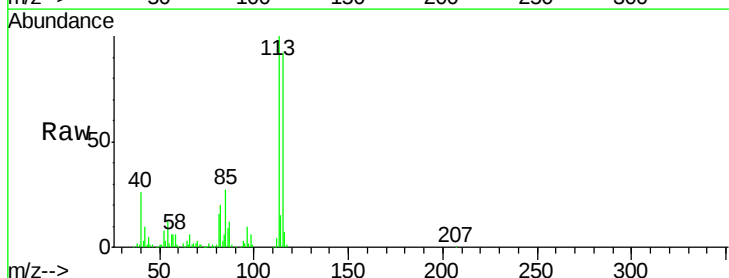


#15

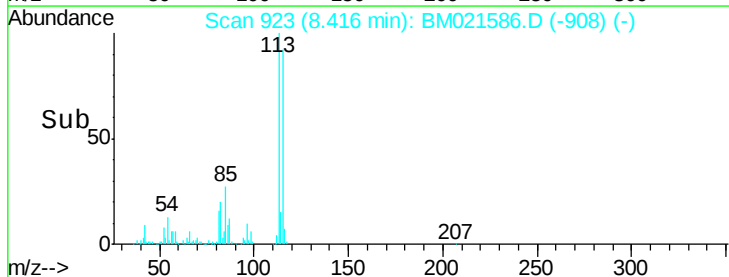
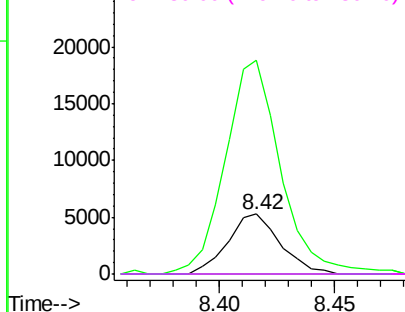
N-Nitroso-di-n-propylamine

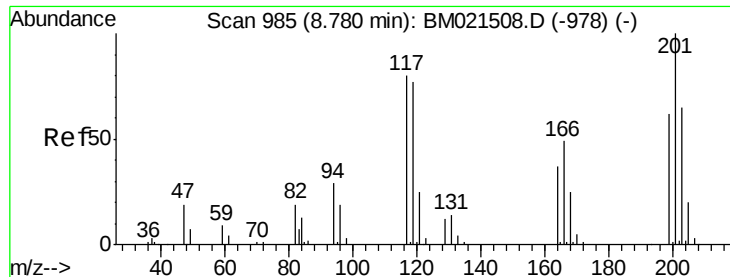
Concen: 1.297 ng/ul
 RT: 8.42 min Scan# 923
 Delta R.T. -0.11 min
 Lab File: BM021586.D
 Acq: 22 Jul 2019 11:47

Tgt Ion: 70 Resp: 8301
 Ion Ratio Lower Upper
 70 100
 42 358.4 39.9 59.9#
 101 0.0 7.6 11.4#
 130 0.0 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BM0
 Ion 42.00 (41.70 to 42.70): BM0
 Ion 101.00 (100.70 to 101.70): E
 Ion 130.00 (129.70 to 130.70): E

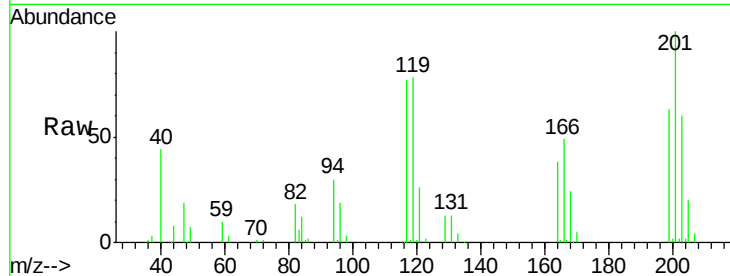




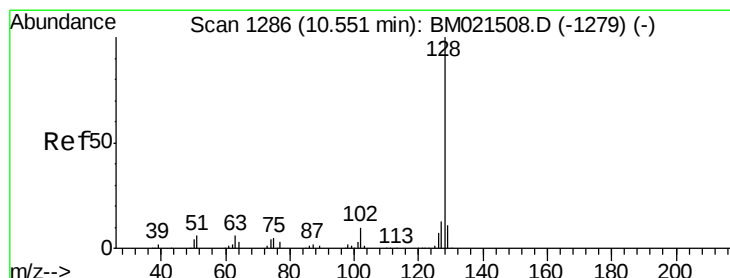
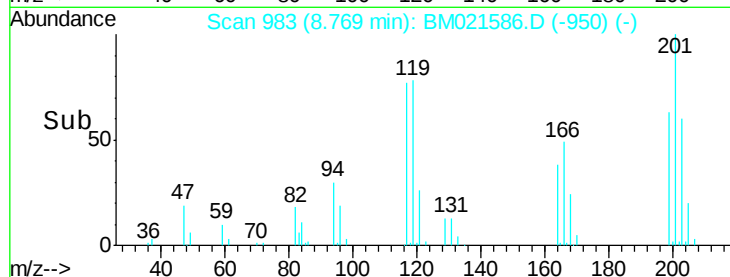
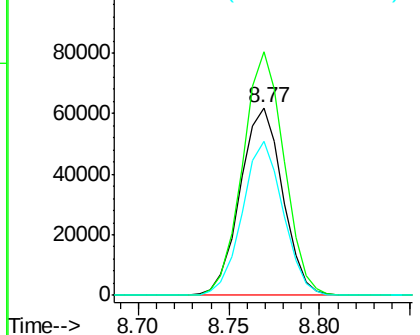
#17
Hexachloroethane
Concen: 26.151 ng/ul
RT: 8.77 min Scan# 983
Delta R.T. -0.01 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Instrument :
BNA_M
ClientSampleId :
X2H32

Tot Ion:117 Resp: 100662
Ion Ratio Lower Upper
117 100
201 129.8 99.7 149.5
199 82.1 62.2 93.4

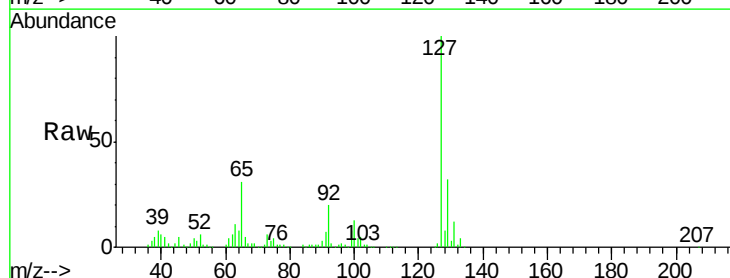


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

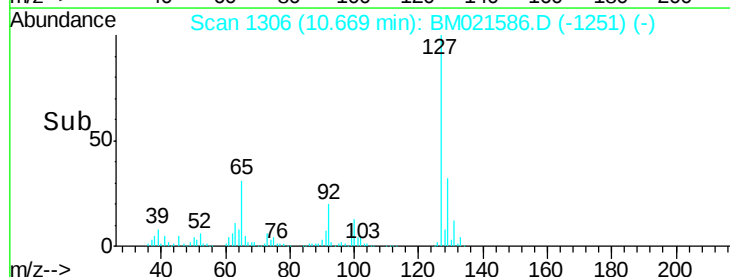
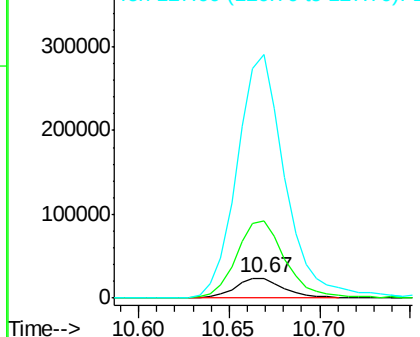


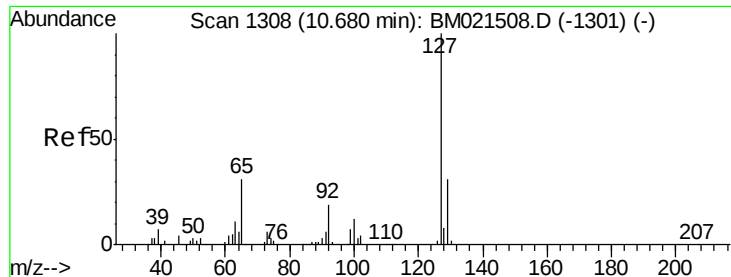
#28
Naphthalene
Concen: 1.340 ng/ul
RT: 10.67 min Scan# 1306
Delta R.T. 0.12 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Tgt Ion:128 Resp: 44300
Ion Ratio Lower Upper
128 100
129 388.4 8.7 13.1#
127 1215.7 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

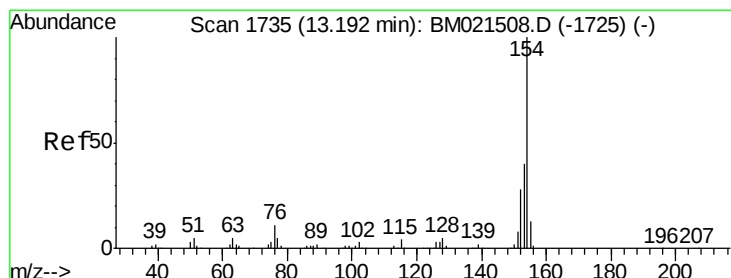
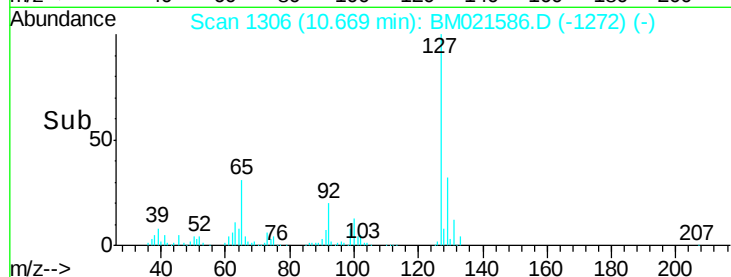
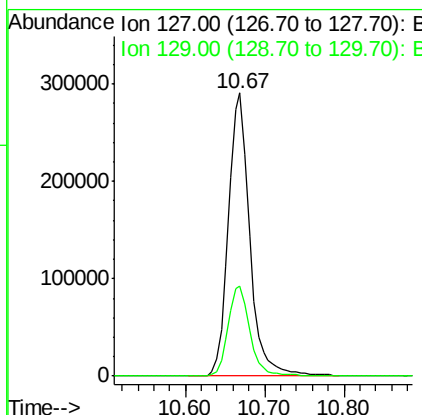
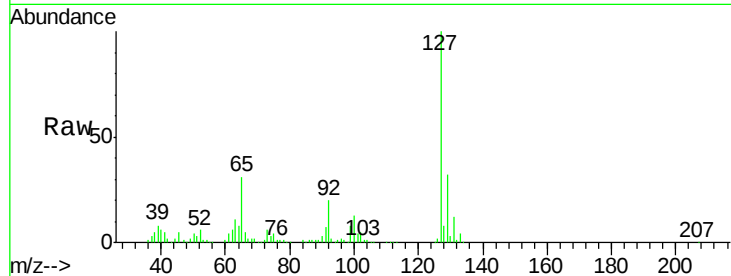




#30
4-Chloroaniline
Concen: 53.307 ng/ul
RT: 10.67 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

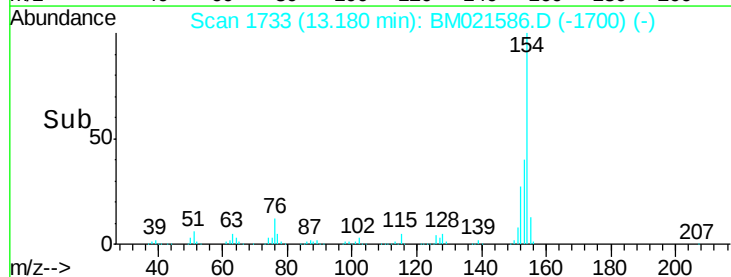
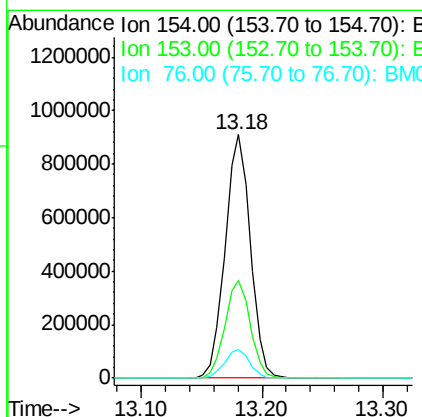
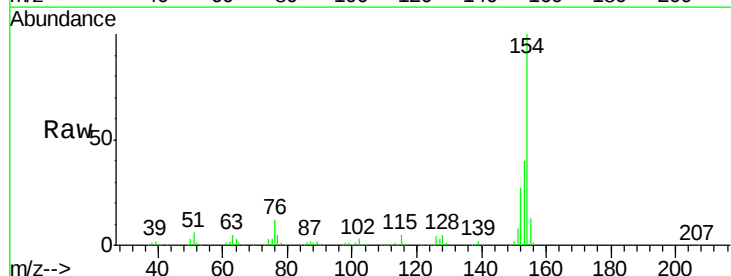
Instrument :
BNA_M
ClientSampleId :
X2H32

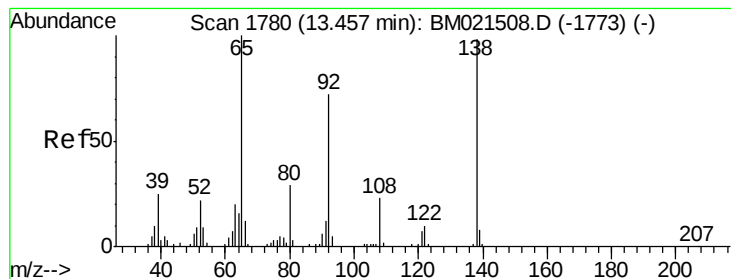
Tot Ion:127 Resp: 543599
Ion Ratio Lower Upper
127 100
129 31.9 25.0 37.6



#40
1,1'-Biphenyl
Concen: 36.544 ng/ul
RT: 13.18 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Tgt Ion:154 Resp: 1314579
Ion Ratio Lower Upper
154 100
153 40.2 32.7 49.1
76 11.6 8.5 12.7





#42

2-Nitroaniline

Concen: 78.919 ng/ul

RT: 13.45 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Instrument :

BNA_M

ClientSampleId :

X2H32

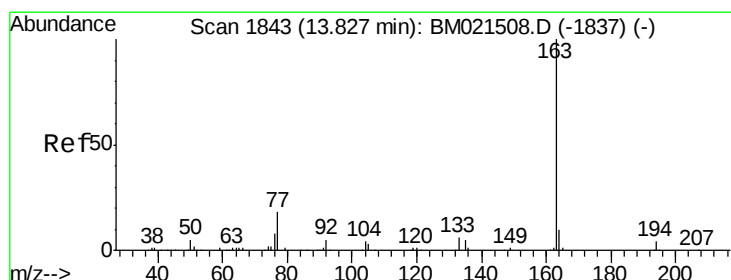
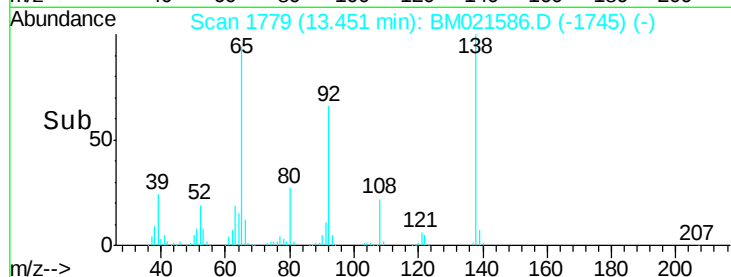
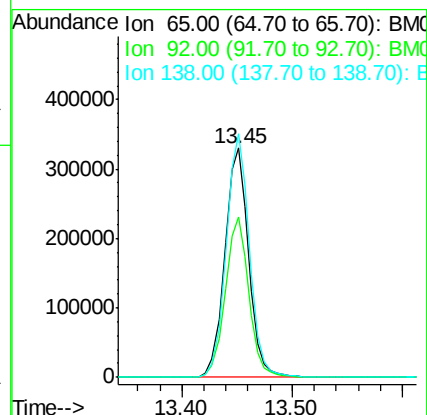
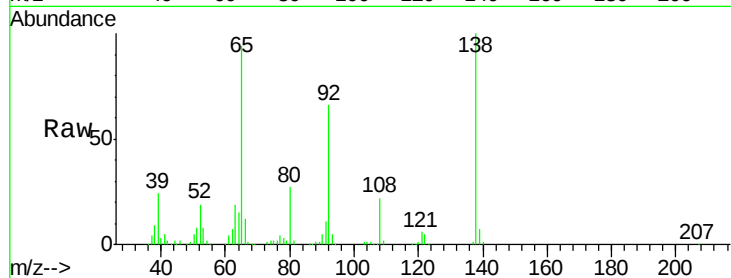
Tot Ion: 65 Resp: 497140

Ion Ratio Lower Upper

65 100

92 70.0 57.4 86.2

138 106.2 89.0 133.6



#44

Dimethylphthalate

Concen: 20.807 ng/ul

RT: 13.82 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

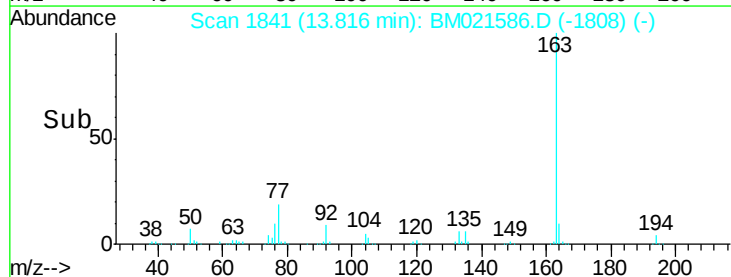
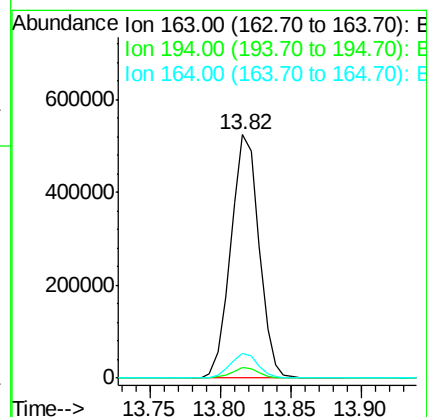
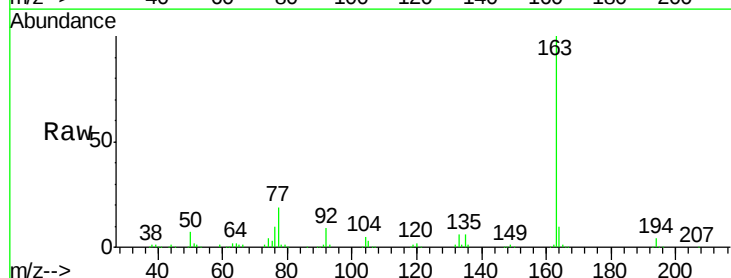
Tgt Ion: 163 Resp: 729338

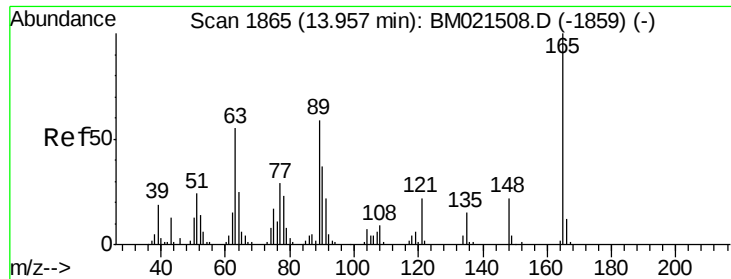
Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

164 10.1 8.3 12.5

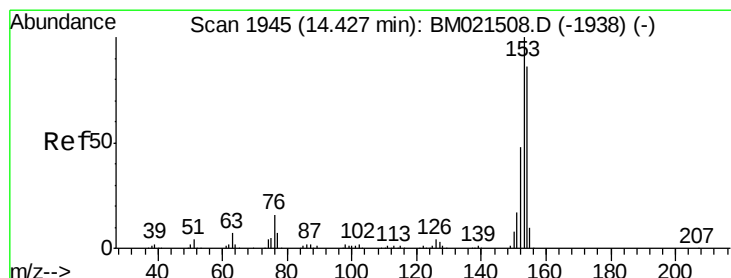
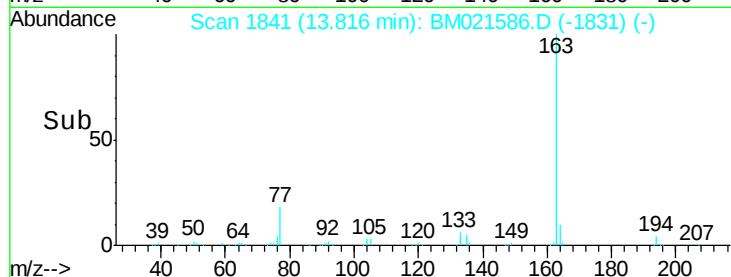
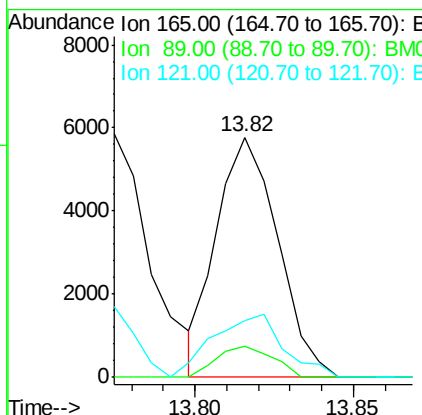
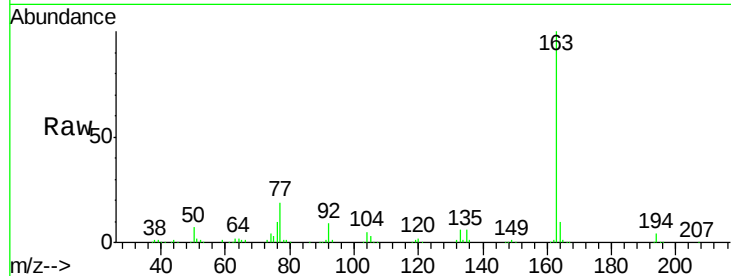




#45
 2,6-Dinitrotoluene
 Concen: 1.212 ng/ul
 RT: 13.82 min Scan# 1841
 Delta R.T. -0.14 min
 Lab File: BM021586.D
 Acq: 22 Jul 2019 11:47

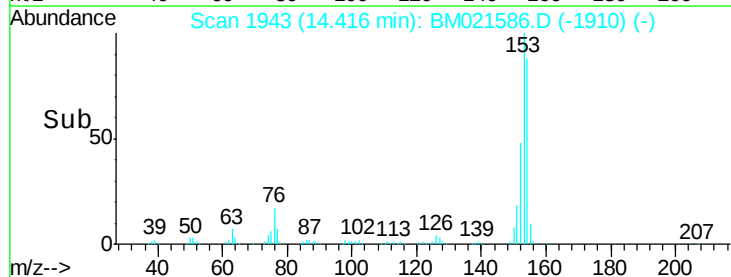
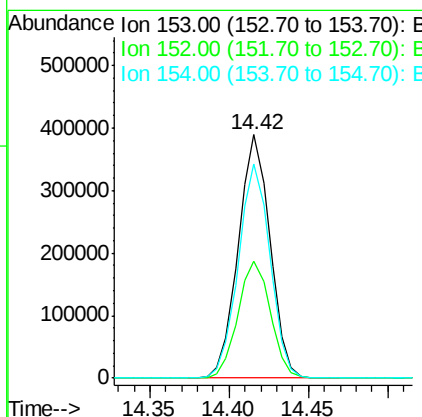
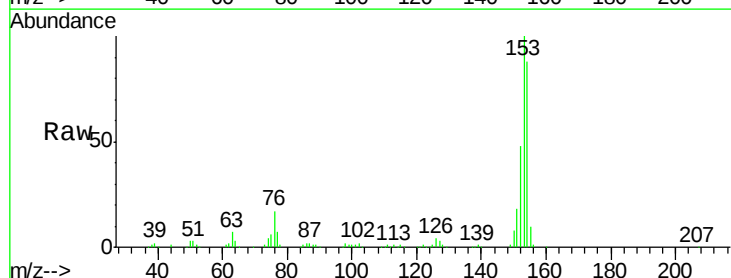
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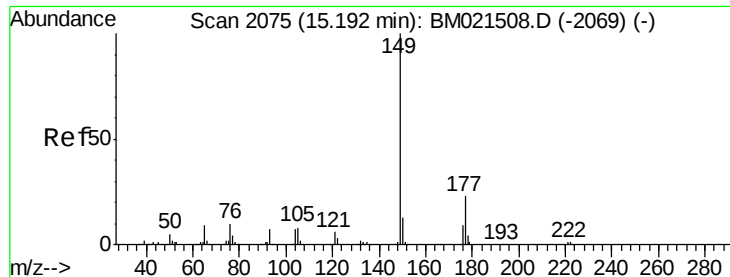
Tot Ion:165 Resp: 7736
 Ion Ratio Lower Upper
 165 100
 89 12.9 45.4 68.2#
 121 23.5 18.1 27.1



#49
 Acenaphthene
 Concen: 18.170 ng/ul
 RT: 14.42 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BM021586.D
 Acq: 22 Jul 2019 11:47

Tgt Ion:153 Resp: 542905
 Ion Ratio Lower Upper
 153 100
 152 48.3 38.2 57.4
 154 87.9 70.0 105.0

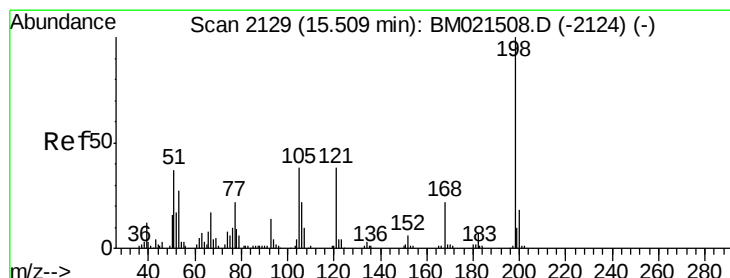
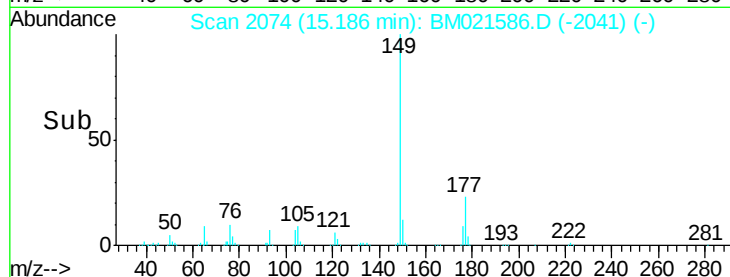
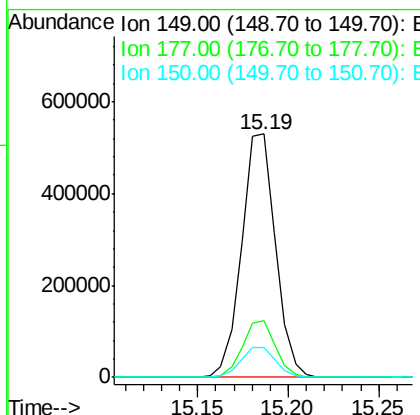
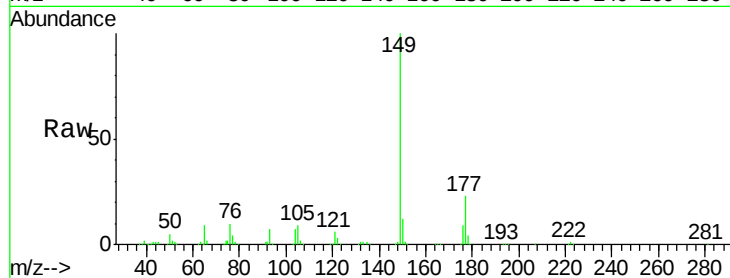




#56
Diethylphthalate
Concen: 20.467 ng/ul
RT: 15.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

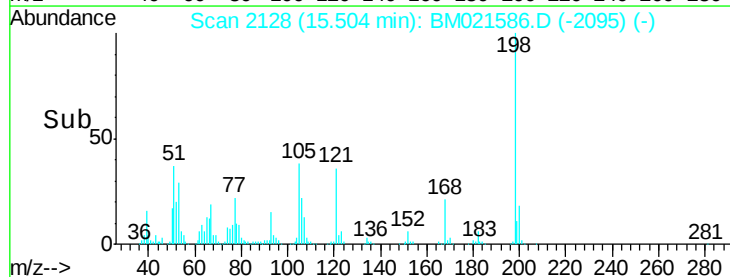
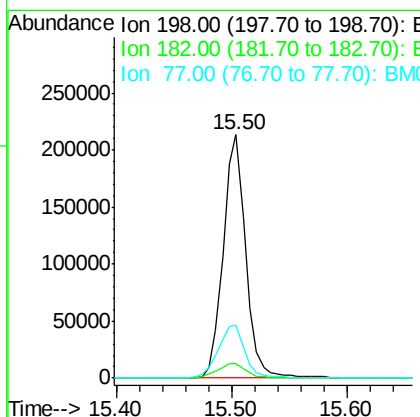
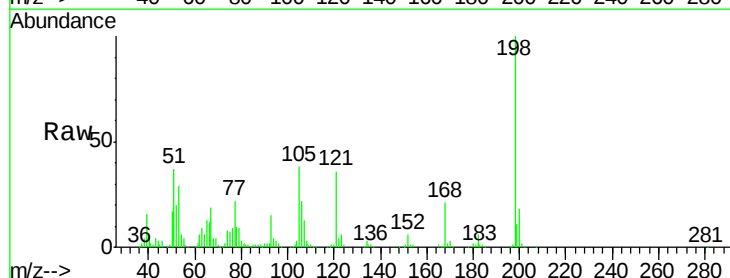
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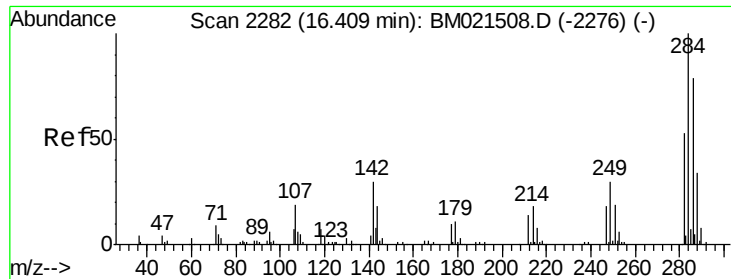
Tot Ion:149 Resp: 688792
Ion Ratio Lower Upper
149 100
177 23.4 18.8 28.2
150 12.2 10.1 15.1



#63
4,6-Dinitro-2-methylphenol
Concen: 38.425 ng/ul
RT: 15.50 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Tgt Ion:198 Resp: 288106
Ion Ratio Lower Upper
198 100
182 6.0 4.7 7.1
77 21.7 18.1 27.1

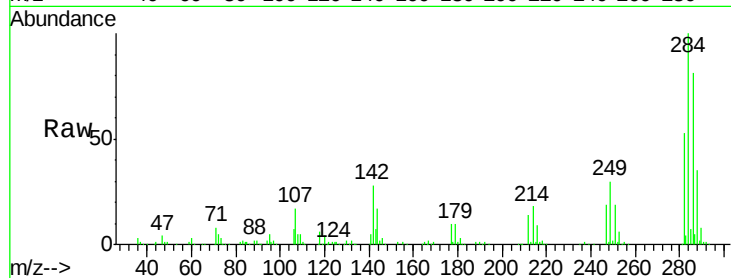




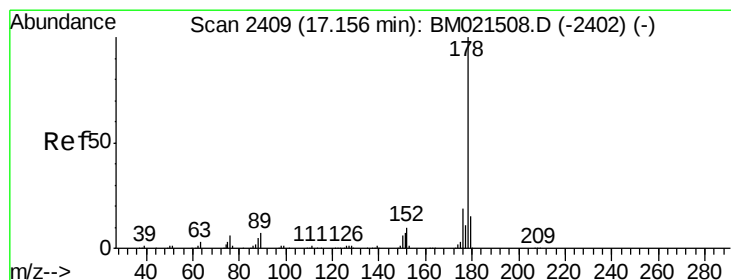
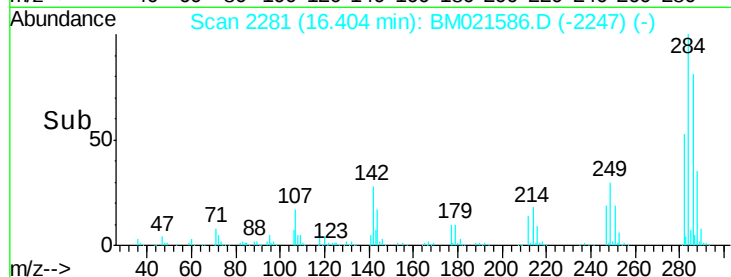
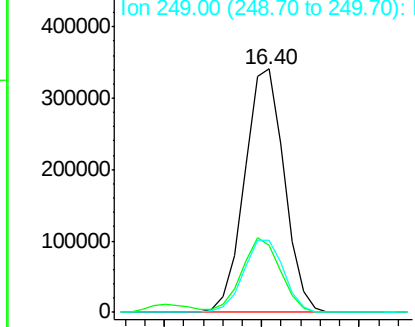
#66
Hexachlorobenzene
Concen: 29.013 ng/ul
RT: 16.40 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Instrument :
BNA_M
ClientSampleId :
X2H32

Tot Ion:284 Resp: 478475
Ion Ratio Lower Upper
284 100
142 27.8 22.0 33.0
249 29.7 23.3 34.9

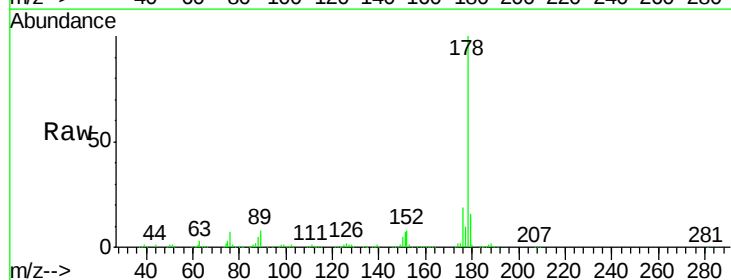


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

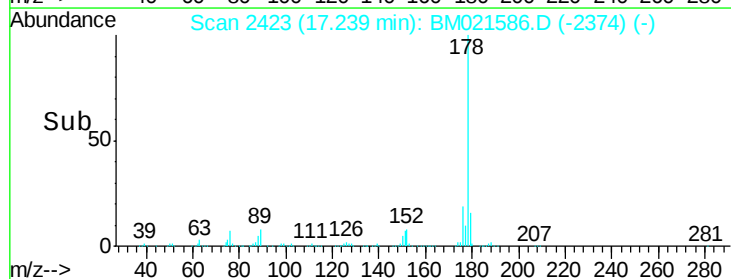
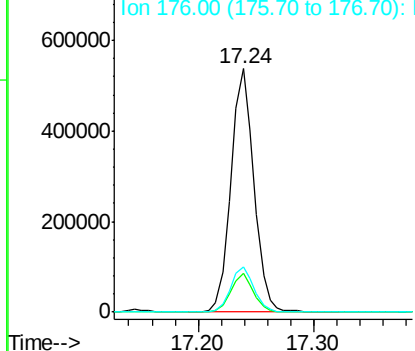


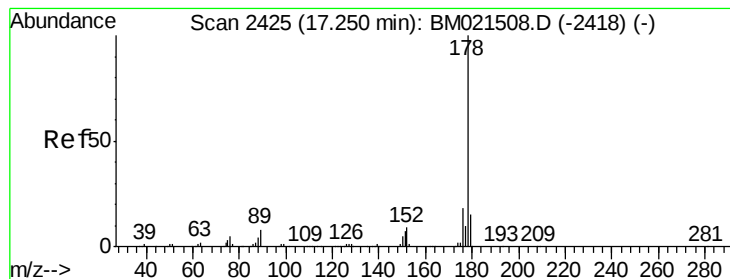
#69
Phenanthrene
Concen: 11.716 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. 0.09 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Tgt Ion:178 Resp: 740686
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.2
176 18.6 15.4 23.0



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





#71

Anthracene

Concen: 11.512 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Instrument :

BNA_M

ClientSampleId :

X2H32

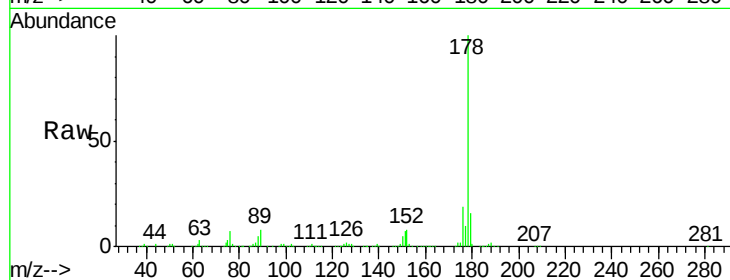
Tot Ion:178 Resp: 740686

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

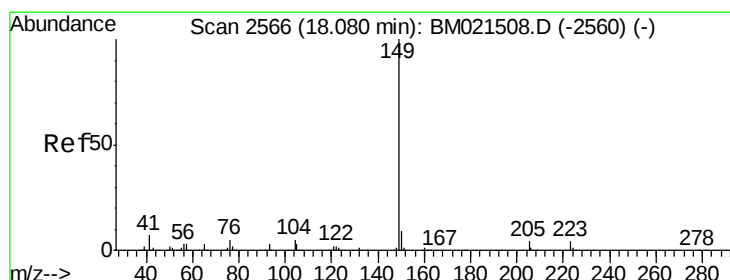
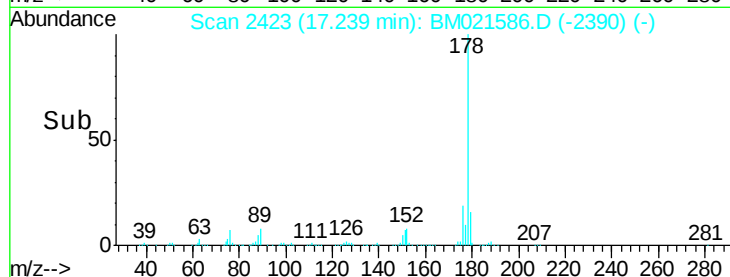
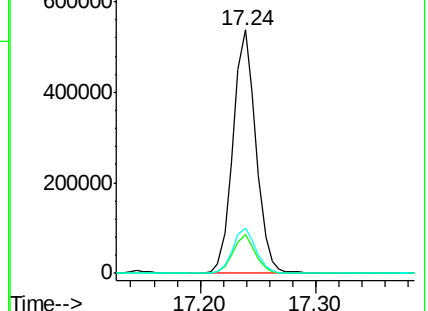
176 18.6 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Di-n-butylphthalate

Concen: 23.312 ng/ul

RT: 18.07 min Scan# 2565

Delta R.T. 0.00 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

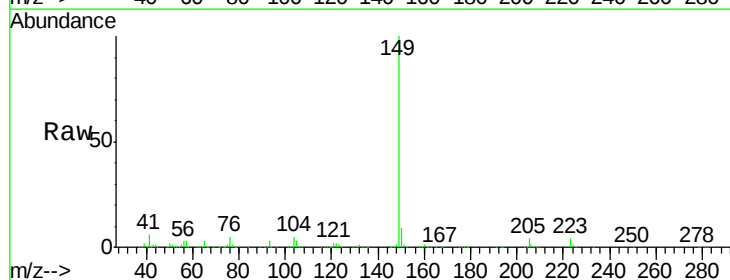
Tgt Ion:149 Resp: 1426336

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

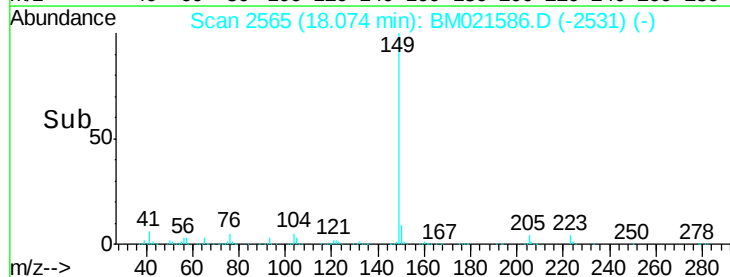
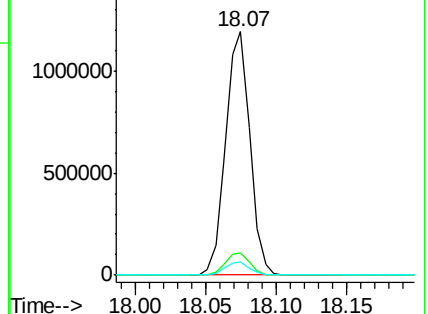
104 5.2 3.8 5.8

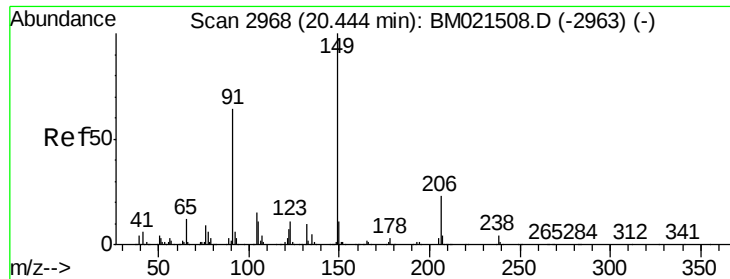


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

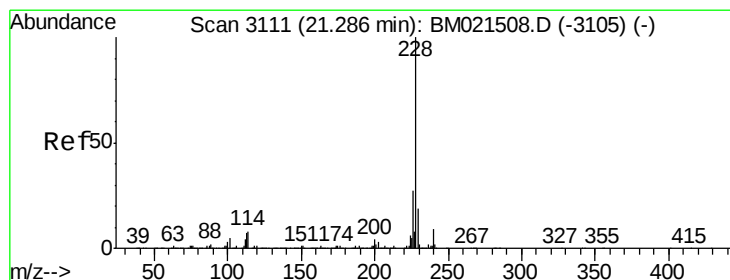
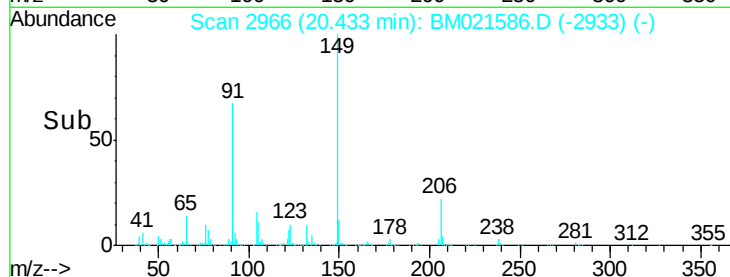
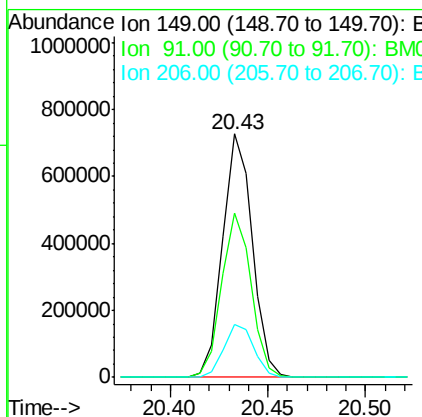
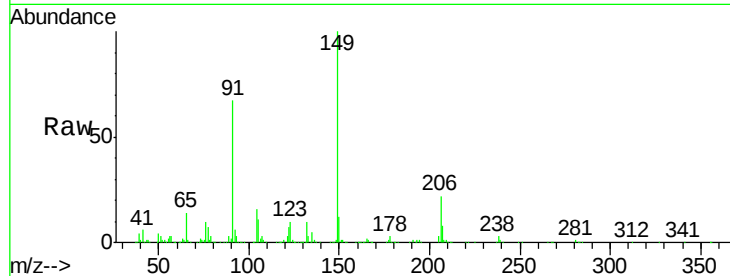




#80
Butylbenzylphthalate
Concen: 25.416 ng/ul
RT: 20.43 min Scan# 2966
Delta R.T. -0.01 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

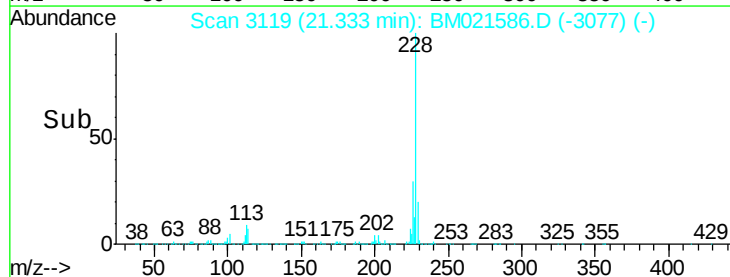
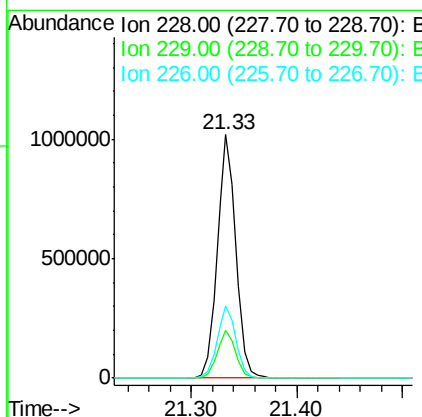
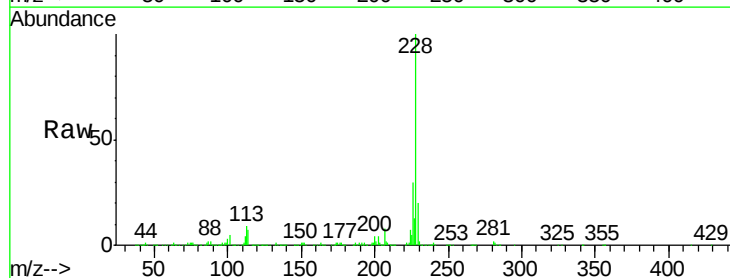
Instrument :
BNA_M
ClientSampleId :
X2H32

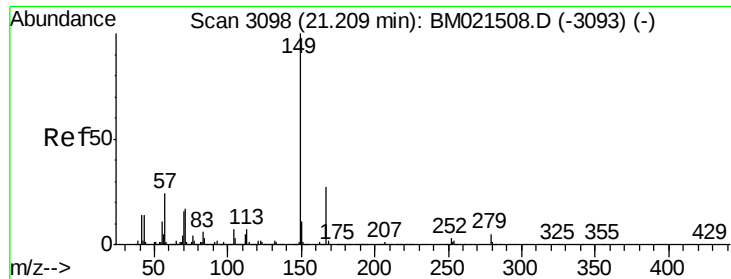
Tot Ion:149 Resp: 762550
Ion Ratio Lower Upper
149 100
91 67.2 53.9 80.9
206 21.7 18.0 27.0



#82
Benzo(a)anthracene
Concen: 14.265 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.05 min
Lab File: BM021586.D
Acq: 22 Jul 2019 11:47

Tgt Ion:228 Resp: 1250182
Ion Ratio Lower Upper
228 100
229 19.8 15.8 23.6
226 29.8 21.5 32.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 29.767 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Instrument :

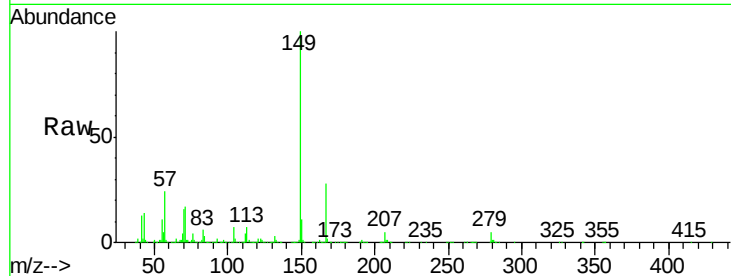
BNA_M

ClientSampleId :

X2H32

Tot Ion:149 Resp: 1313673

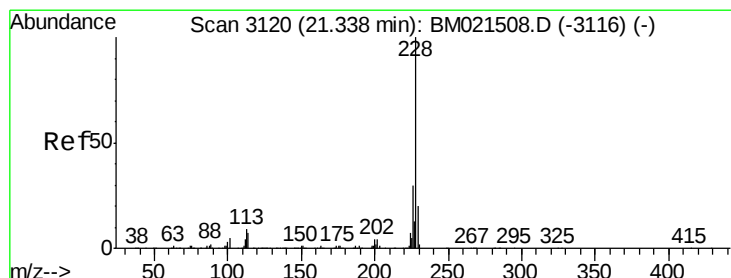
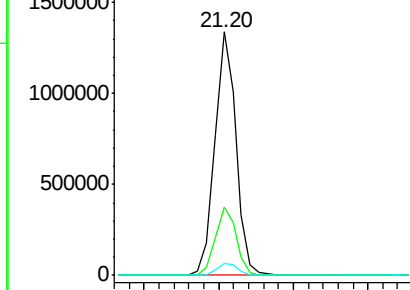
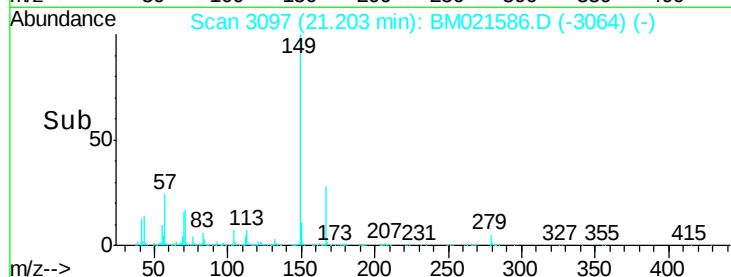
Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.6	33.8
279	4.8	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 15.174 ng/ul

RT: 21.33 min Scan# 3119

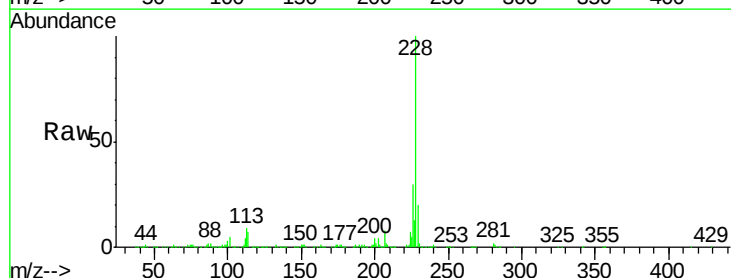
Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Tgt Ion:228 Resp: 1250182

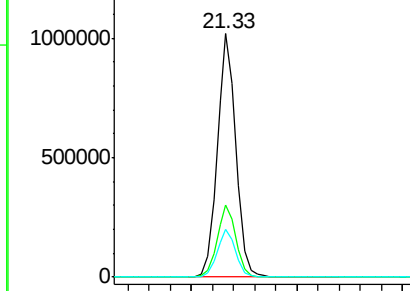
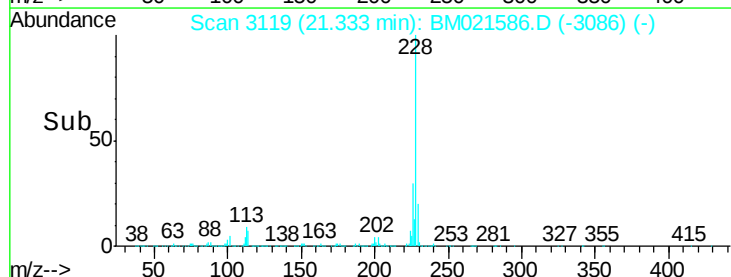
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.8	15.4	23.0

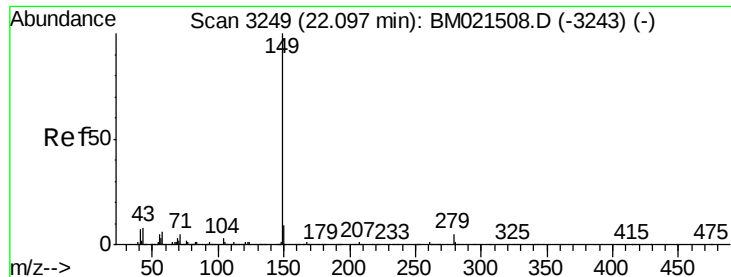


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 16.855 ng/ul

RT: 22.09 min Scan# 3247

Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

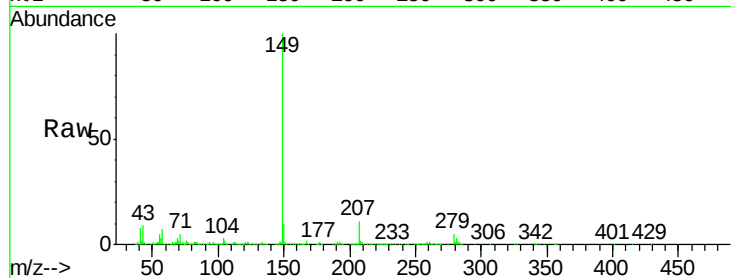
Instrument :

BNA_M

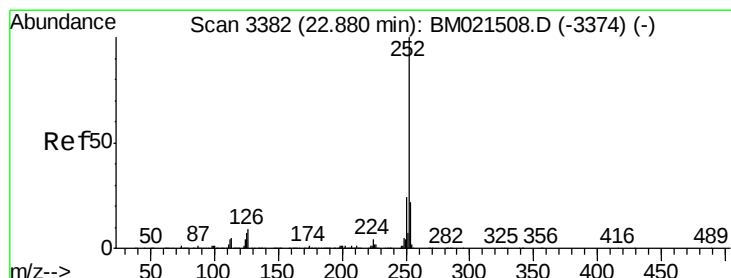
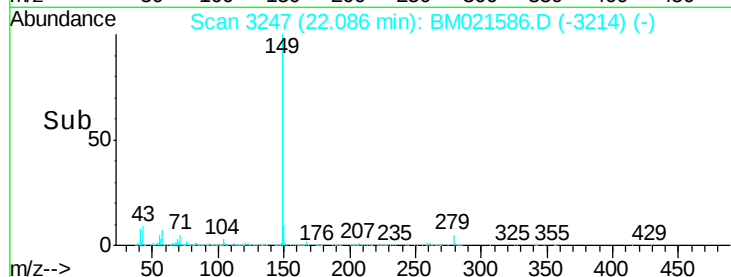
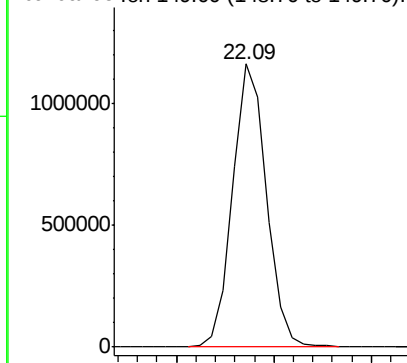
ClientSampleId :

X2H32

Tgt Ion:149 Resp: 1388290



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 1.129 ng/ul

RT: 22.84 min Scan# 3375

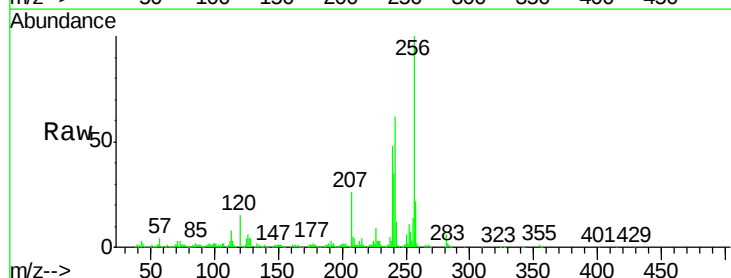
Delta R.T. -0.04 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Tgt Ion:252 Resp: 107292

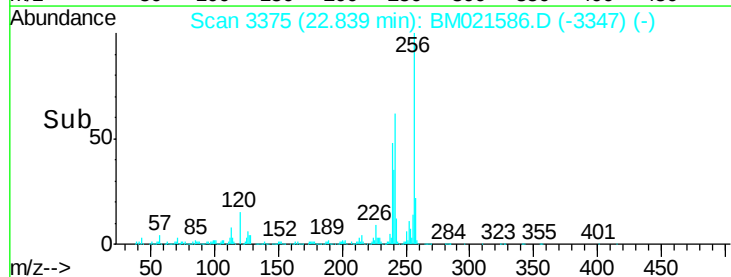
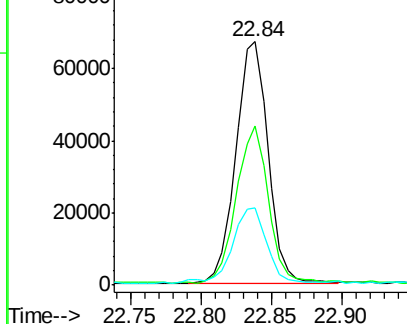
Ion	Ratio	Lower	Upper
252	100		
253	65.4	17.5	26.3#
125	32.0	5.9	8.9#

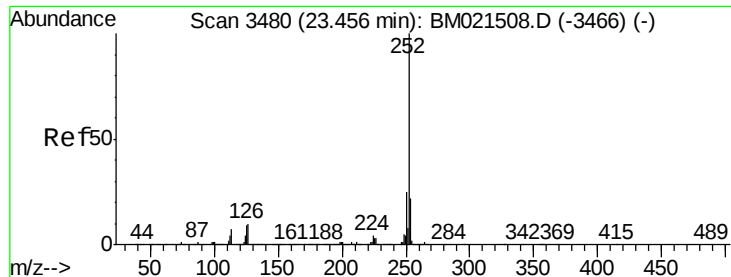


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 11.013 ng/ul

RT: 23.45 min Scan# 3479

Delta R.T. -0.01 min

Lab File: BM021586.D

Acq: 22 Jul 2019 11:47

Instrument :

BNA_M

ClientSampleId :

X2H32

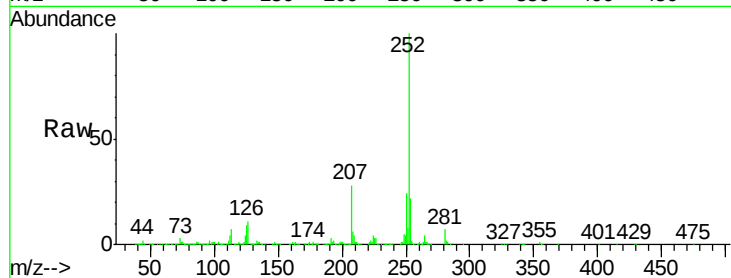
Tot Ion:252 Resp: 1010723

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.9 6.9 10.3



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

