

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
 Data File : BM035798.D
 Acq On : 13 Jul 2022 17:34
 Operator : CG/JU
 Sample : N3645-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-070822DL

Quant Time: Jul 14 01:25:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

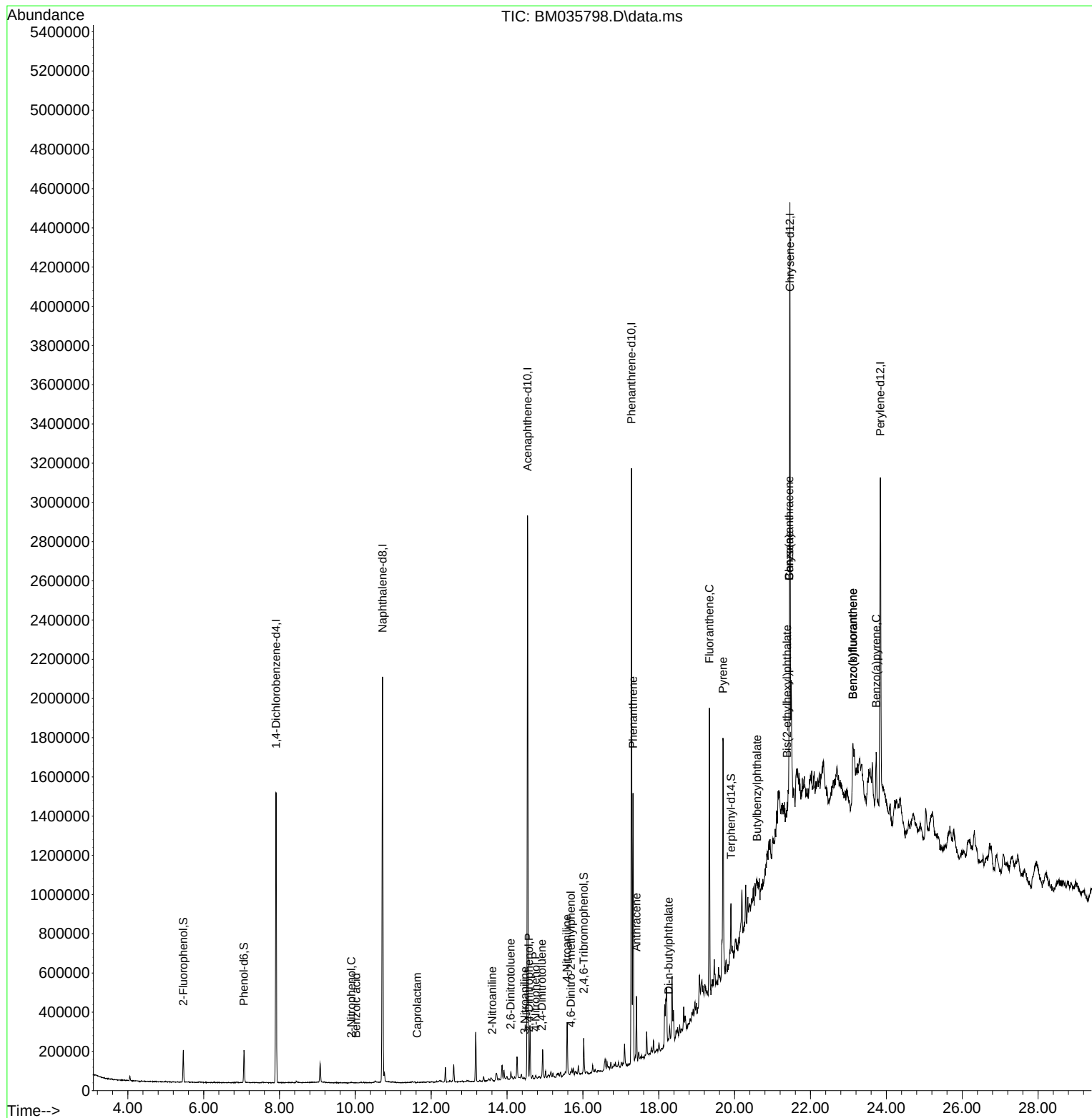
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	403759	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1721356	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	966263	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1687141	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1257494	20.000	ng	0.00
86) Perylene-d12	23.838	264	1283016	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	69481	2.795	ng	0.00
7) Phenol-d6	7.063	99	91080	2.929	ng	0.00
23) Nitrobenzene-d5	9.069	82	51826	1.721	ng	0.00
42) 2,4,6-Tribromophenol	16.021	330	25359	2.584	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	123996	1.790	ng	0.00
79) Terphenyl-d14	19.903	244	130823	2.020	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	9.892	139	60	4.578	ng	# 1
32) Benzoic acid	10.022	122	77	8.040	ng	# 1
35) Caprolactam	11.627	113	127	5.114	ng	# 1
48) 2-Nitroaniline	13.604	65	234	3.611	ng	# 36
51) 2,6-Dinitrotoluene	14.092	165	136	2.305	ng	# 1
53) 3-Nitroaniline	14.463	138	81	2.674	ng	# 70
54) 2,4-Dinitrophenol	14.574	184	61	7.551	ng	# 1
56) 4-Nitrophenol	14.751	139	1626	4.172	ng	# 71
57) 2,4-Dinitrotoluene	14.915	165	768	3.377	ng	# 81
62) 4-Nitroaniline	15.580	138	2562	2.943	ng	# 36
65) 4,6-Dinitro-2-methylph...	15.680	198	55	6.594	ng	# 1
71) Phenanthrene	17.321	178	782415	8.828	ng	100
72) Anthracene	17.409	178	202467	2.375	ng	98
74) Di-n-butylphthalate	18.256	149	6182	2.327	ng	# 72
75) Fluoranthene	19.333	202	803275	8.104	ng	98
78) Pyrene	19.692	202	724986	9.180	ng	99
80) Butylbenzylphthalate	20.592	149	12221	4.560	ng	# 75
81) Benzo(a)anthracene	21.439	228	274596	3.481	ng	# 94
83) Chrysene	21.439	228	274596	3.605	ng	96
84) Bis(2-ethylhexyl)phtha...	21.386	149	5657	3.360	ng	# 51
88) Benzo(b)fluoranthene	23.115	252	263537	3.401	ng	# 83
89) Benzo(k)fluoranthene	23.115	252	263537	3.251	ng	# 83
90) Benzo(a)pyrene	23.733	252	201900	3.114	ng	# 89

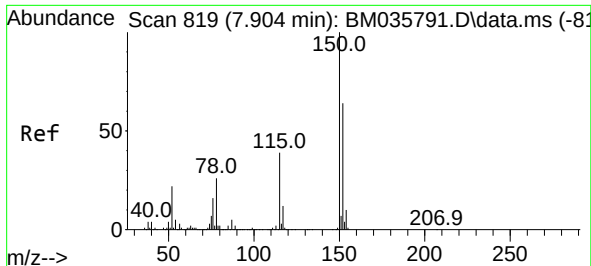
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
Data File : BM035798.D
Acq On : 13 Jul 2022 17:34
Operator : CG/JU
Sample : N3645-01DL 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Quant Time: Jul 14 01:25:03 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 14 01:21:21 2022
Response via : Initial Calibration

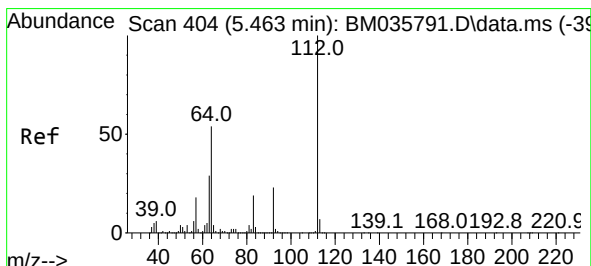
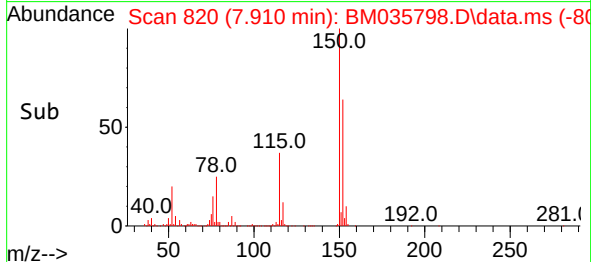
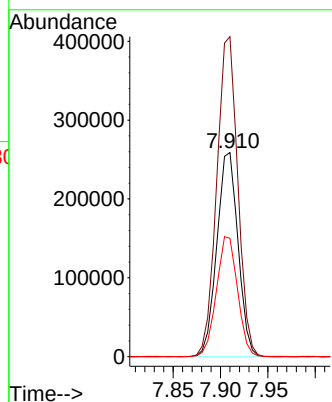
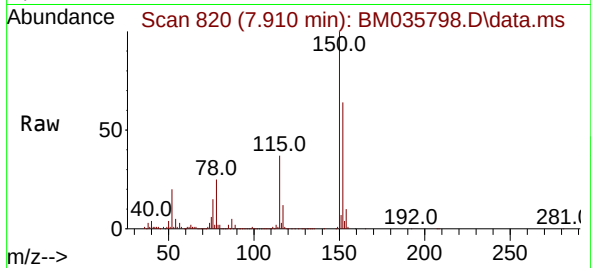




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 819
Delta R.T. 0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

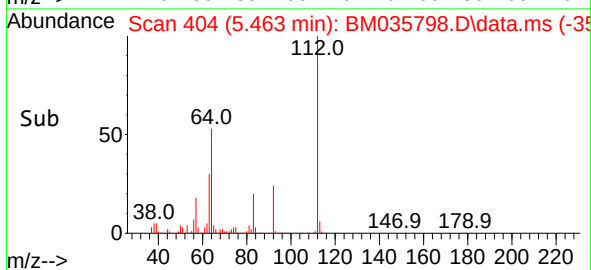
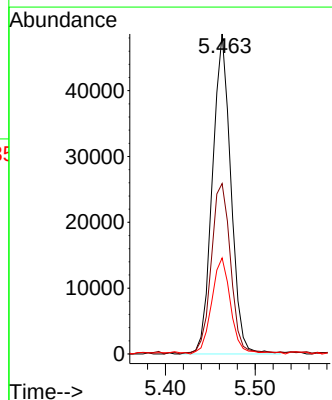
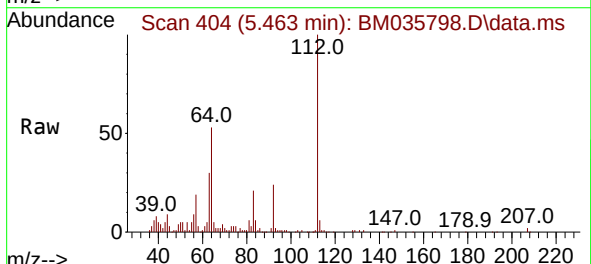
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

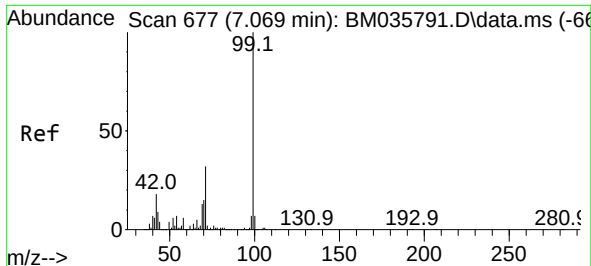
Tgt Ion:152 Resp: 403759
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 58.0 47.9 71.9



#5
2-Fluorophenol
Concen: 2.795 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:112 Resp: 69481
Ion Ratio Lower Upper
112 100
64 53.2 47.8 71.6
63 30.0 26.6 40.0

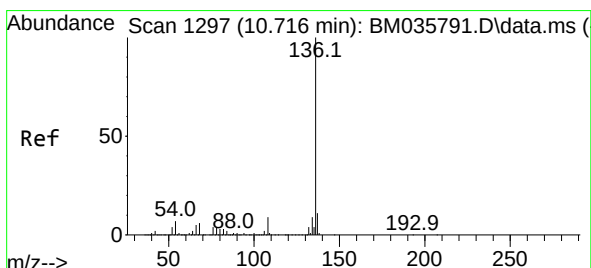
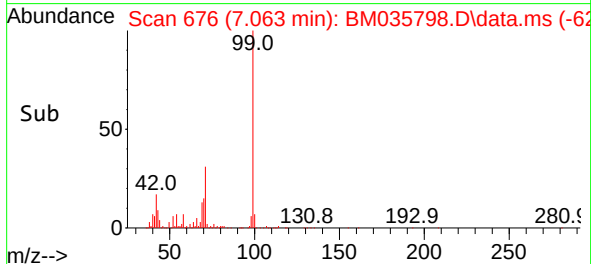
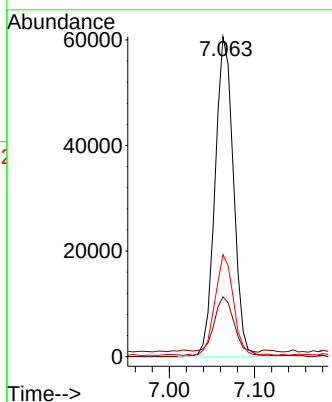
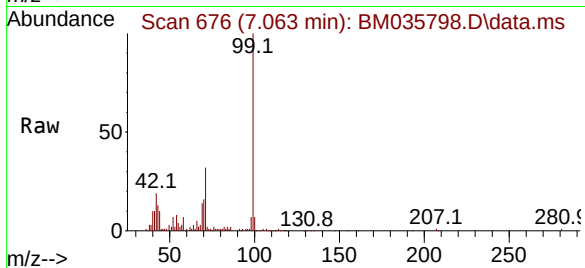




#7
Phenol-d6
Concen: 2.929 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

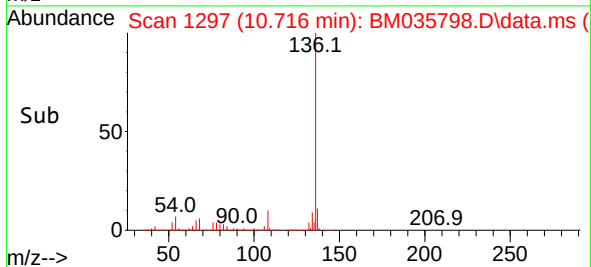
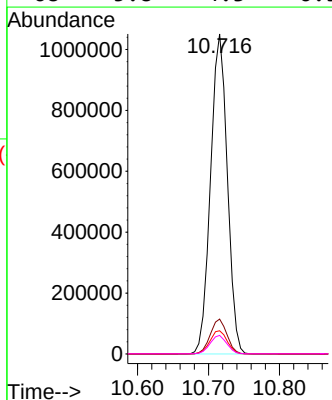
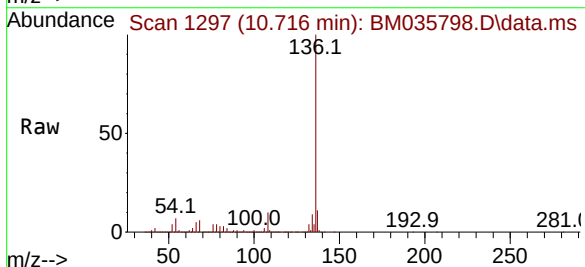
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

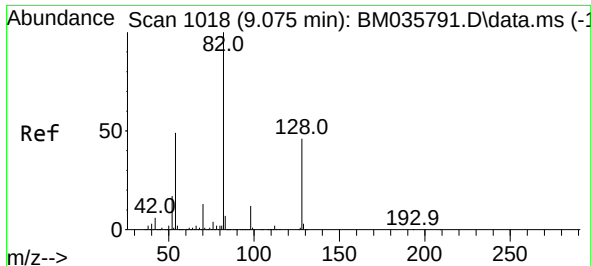
Tgt Ion: 99 Resp: 91080
Ion Ratio Lower Upper
99 100
42 18.7 18.8 28.2#
71 31.9 30.2 45.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:136 Resp: 1721356
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 7.0 10.4
68 5.8 4.3 6.5

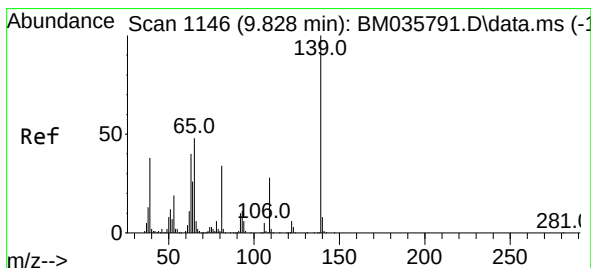
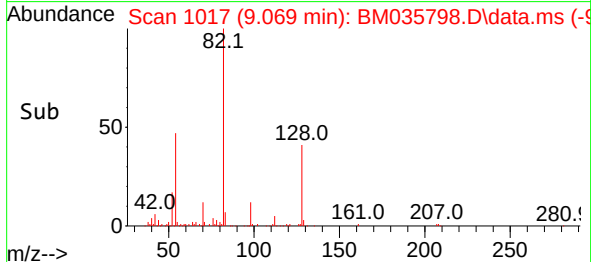
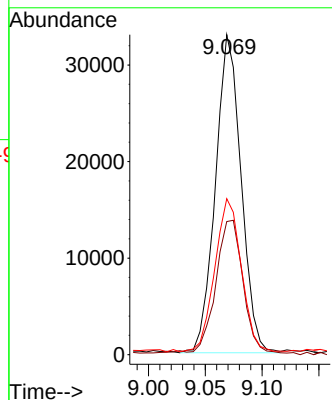
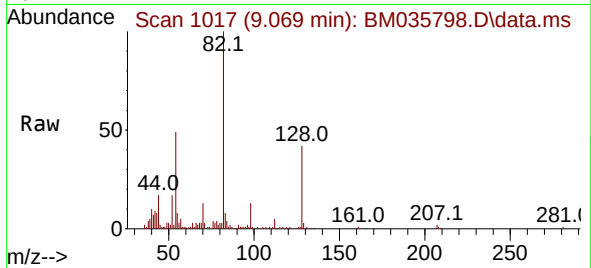




#23
Nitrobenzene-d5
Concen: 1.721 ng
RT: 9.069 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

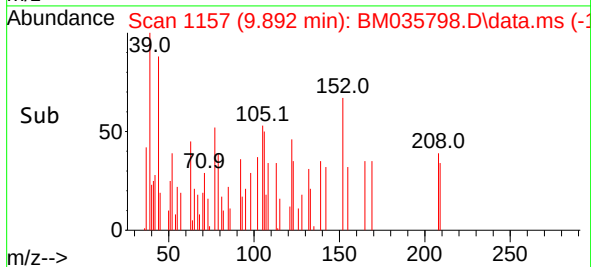
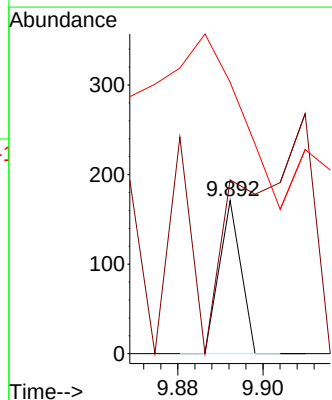
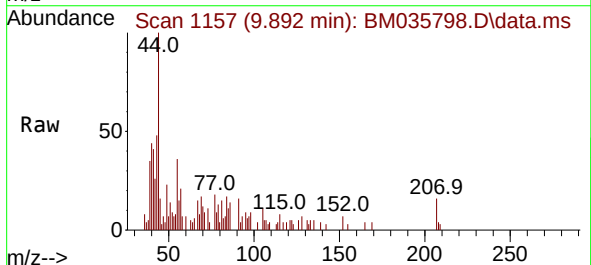
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

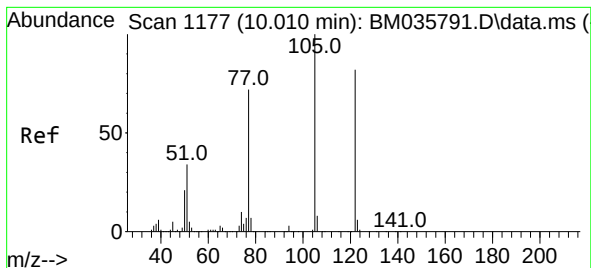
Tgt Ion: 82 Resp: 51826
Ion Ratio Lower Upper
82 100
128 41.6 33.7 50.5
54 48.8 43.2 64.8



#26
2-Nitrophenol
Concen: 4.578 ng
RT: 9.892 min Scan# 1157
Delta R.T. 0.064 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 113.5 25.6 38.4#
65 177.2 43.2 64.8#





#32

Benzoic acid

Concen: 8.040 ng

RT: 10.022 min Scan# 1179

Delta R.T. 0.012 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

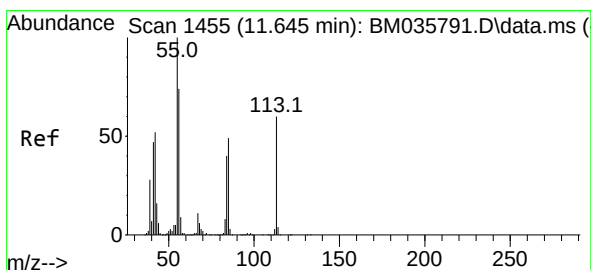
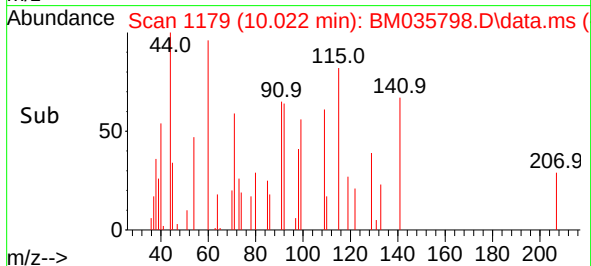
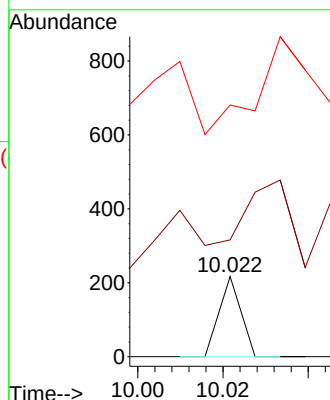
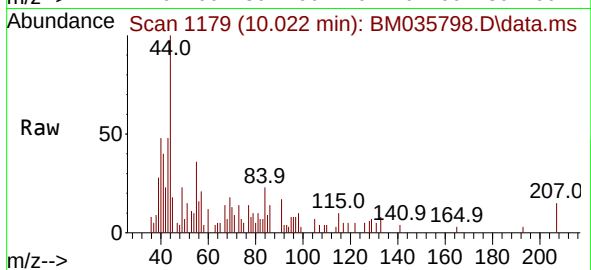
Tgt Ion:122 Resp: 77

Ion Ratio Lower Upper

122 100

105 145.6 105.7 145.7

77 313.8 80.0 120.0#



#35

Caprolactam

Concen: 5.114 ng

RT: 11.627 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

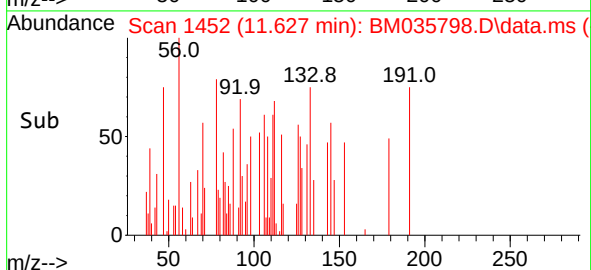
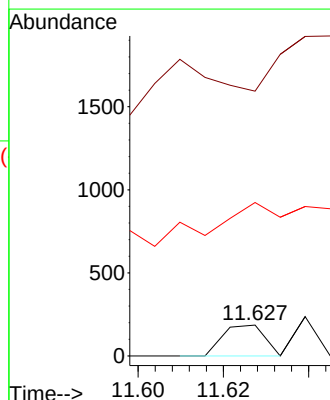
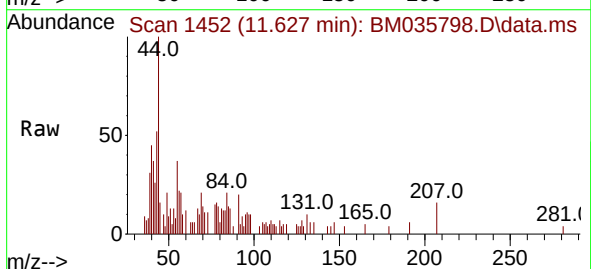
Tgt Ion:113 Resp: 127

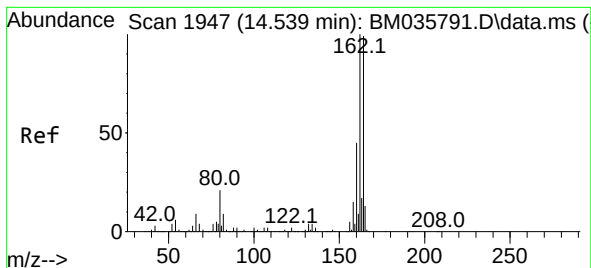
Ion Ratio Lower Upper

113 100

55 857.0 150.1 190.1#

56 496.2 111.7 151.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1947

Delta R.T. 0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

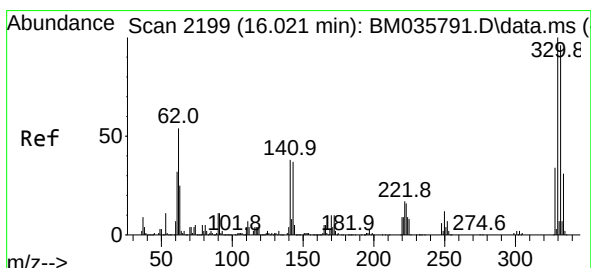
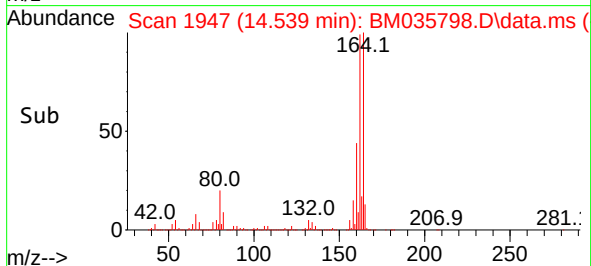
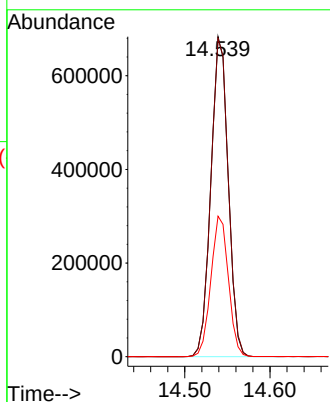
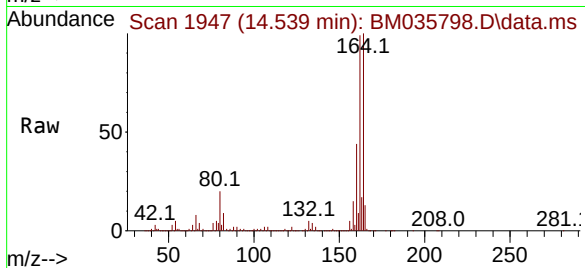
Tgt Ion:164 Resp: 966263

Ion Ratio Lower Upper

164 100

162 99.5 83.0 124.6

160 43.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 2.584 ng

RT: 16.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

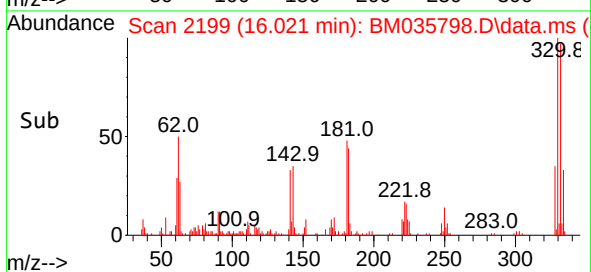
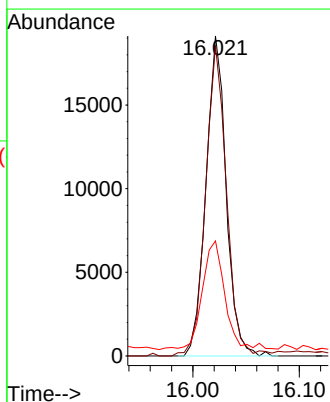
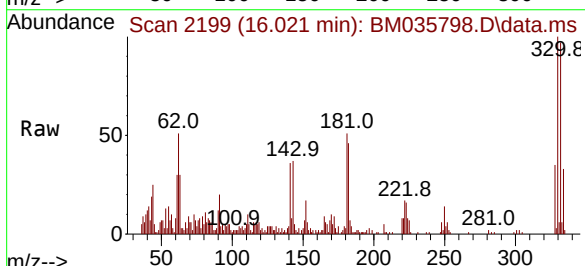
Tgt Ion:330 Resp: 25359

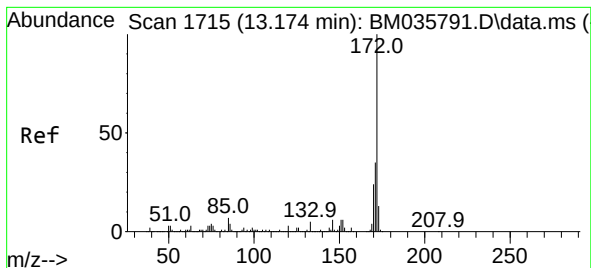
Ion Ratio Lower Upper

330 100

332 99.7 77.0 115.4

141 40.0 35.3 52.9





#45

2-Fluorobiphenyl

Concen: 1.790 ng

RT: 13.174 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

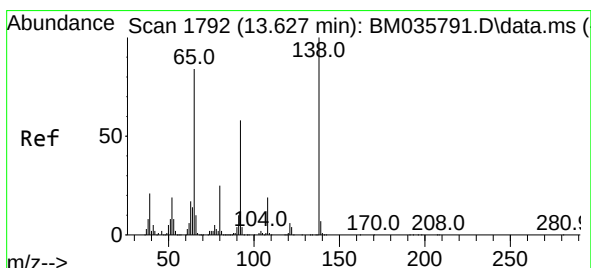
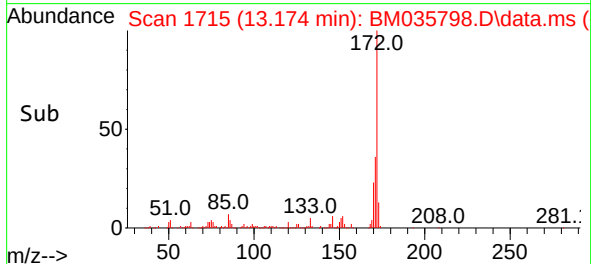
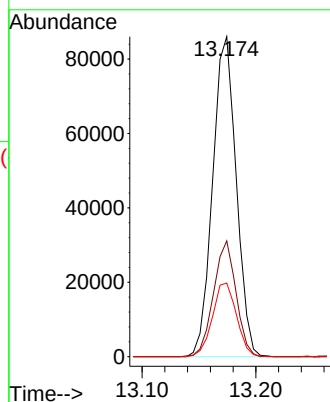
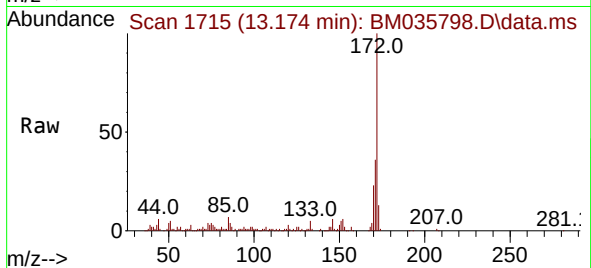
Tgt Ion:172 Resp: 123996

Ion Ratio Lower Upper

172 100

171 36.2 28.5 42.7

170 23.0 18.7 28.1



#48

2-Nitroaniline

Concen: 3.611 ng

RT: 13.604 min Scan# 1788

Delta R.T. -0.023 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

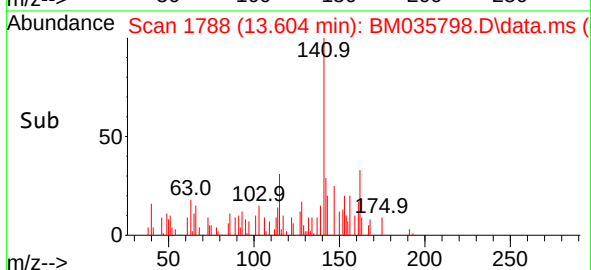
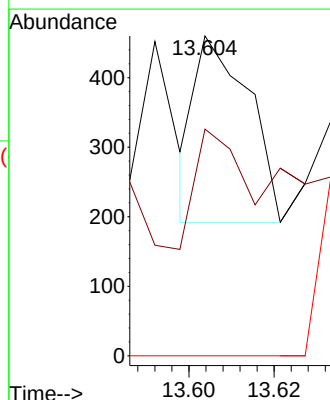
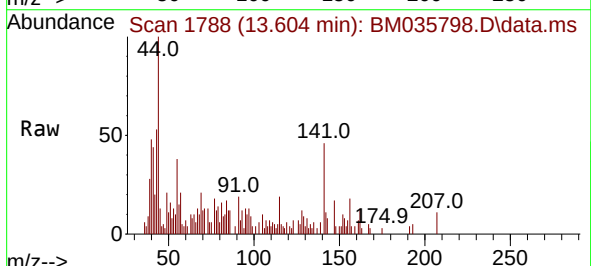
Tgt Ion: 65 Resp: 234

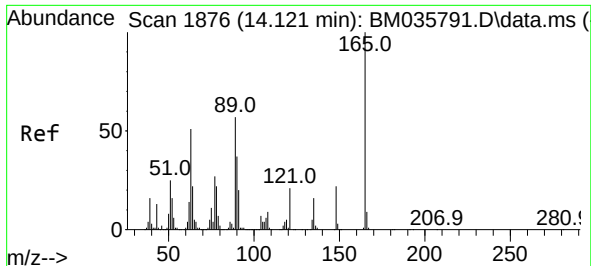
Ion Ratio Lower Upper

65 100

92 70.9 53.7 80.5

138 0.0 83.9 125.9#





#51

2,6-Dinitrotoluene

Concen: 2.305 ng

RT: 14.092 min Scan# 11

Delta R.T. -0.029 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

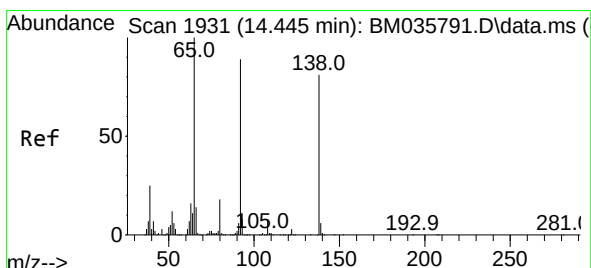
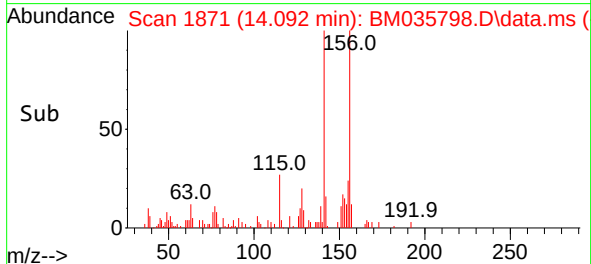
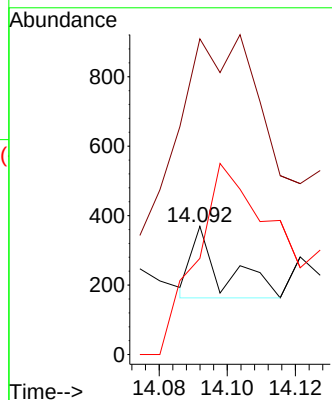
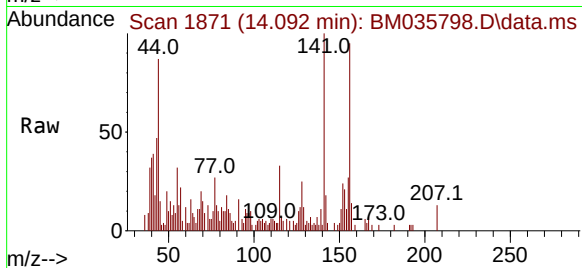
Tgt Ion:165 Resp: 136

Ion Ratio Lower Upper

165 100

63 246.3 50.2 75.2#

89 75.1 48.4 72.6#



#53

3-Nitroaniline

Concen: 2.674 ng

RT: 14.463 min Scan# 1934

Delta R.T. 0.018 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

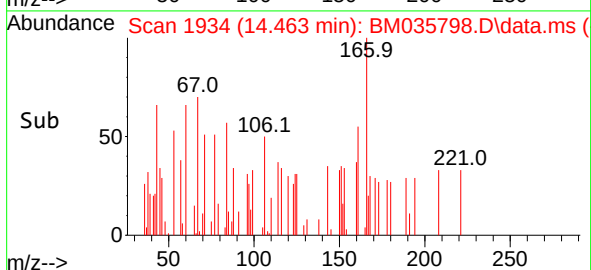
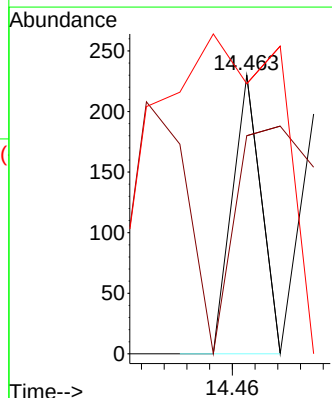
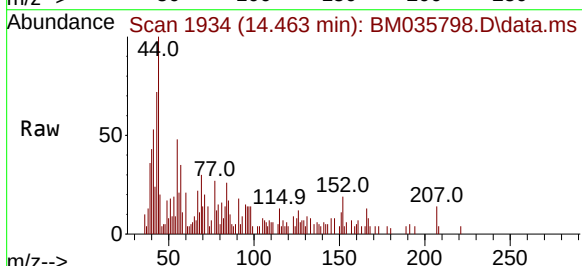
Tgt Ion:138 Resp: 81

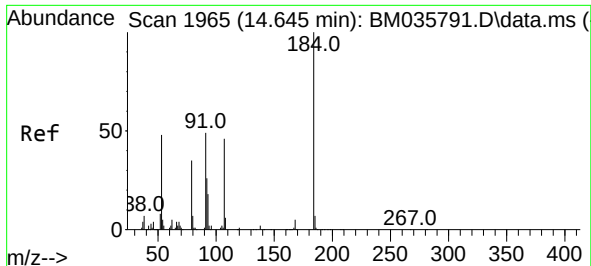
Ion Ratio Lower Upper

138 100

108 78.3 8.7 13.1#

92 97.0 91.5 137.3

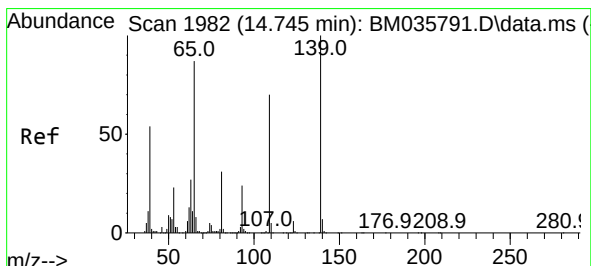
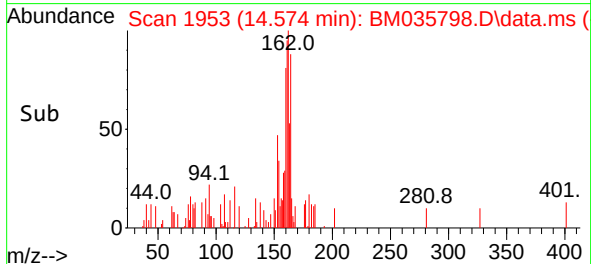
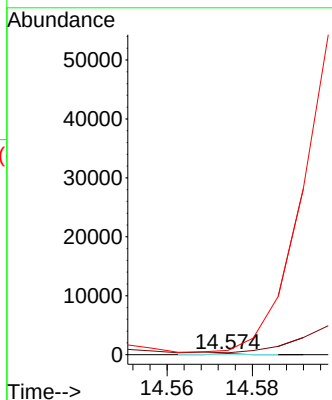
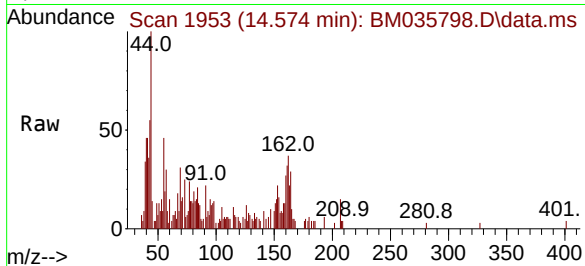




#54
2,4-Dinitrophenol
Concen: 7.551 ng
RT: 14.574 min Scan# 1953
Delta R.T. -0.071 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

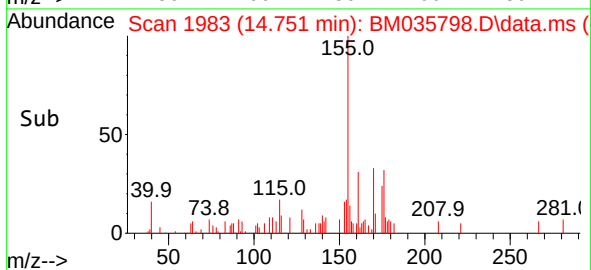
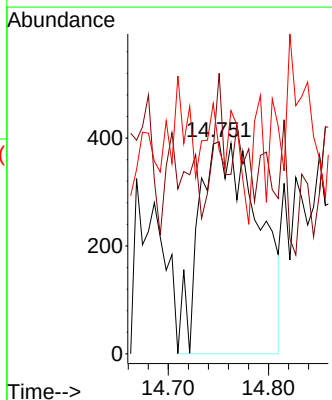
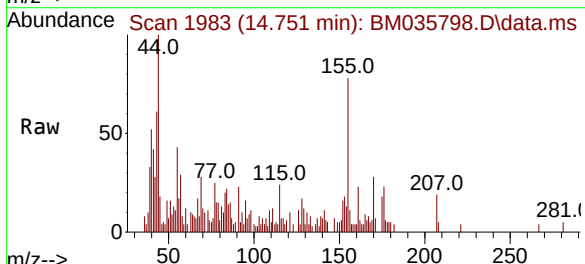
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

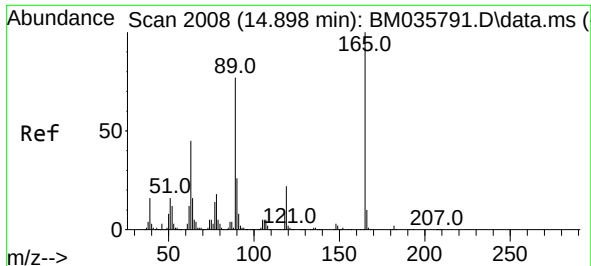
Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 183.8 59.5 89.3#
154 423.7 55.6 83.4#



#56
4-Nitrophenol
Concen: 4.172 ng
RT: 14.751 min Scan# 1983
Delta R.T. 0.006 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

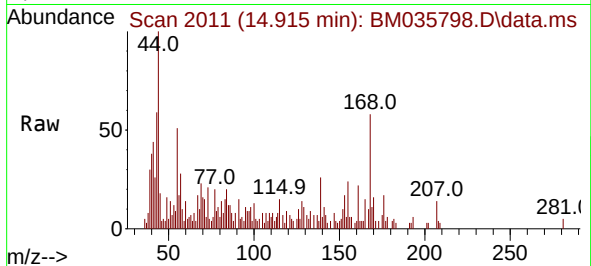
Tgt Ion:139 Resp: 1626
Ion Ratio Lower Upper
139 100
109 132.3 62.5 102.5#
65 95.9 83.5 123.5



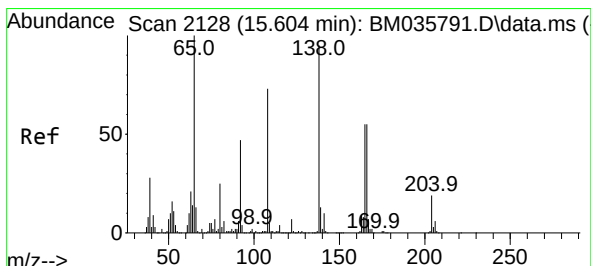
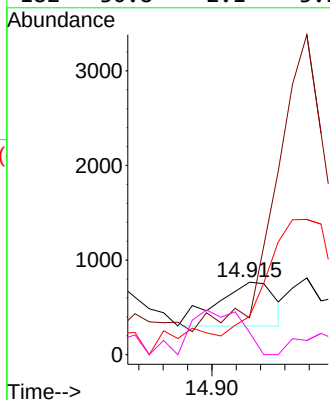
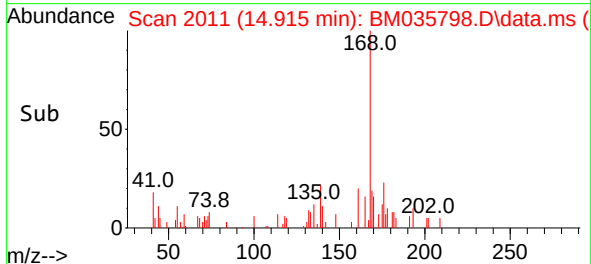


#57
2,4-Dinitrotoluene
Concen: 3.377 ng
RT: 14.915 min Scan# 2011
Delta R.T. 0.017 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

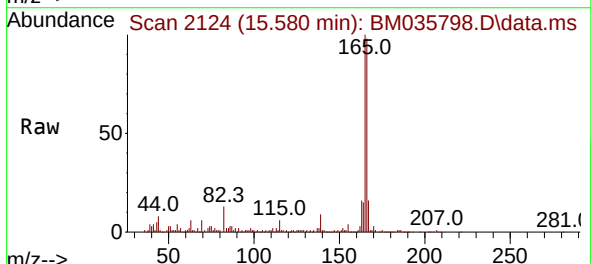
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL



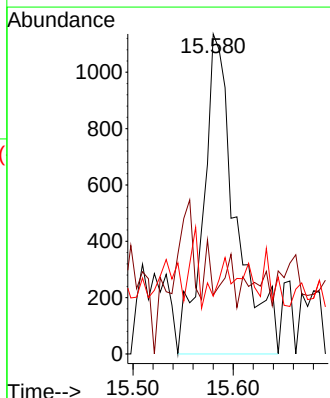
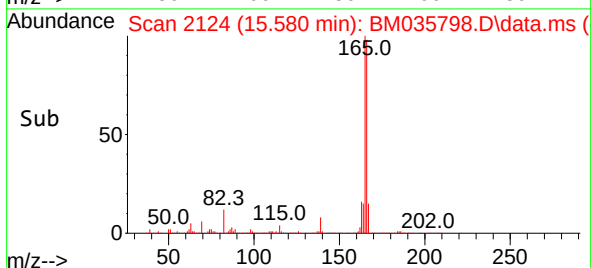
Tgt Ion:165 Resp: 768
Ion Ratio Lower Upper
165 100
63 50.8 35.6 53.4
89 52.7 57.3 85.9#
182 30.8 2.1 3.1#

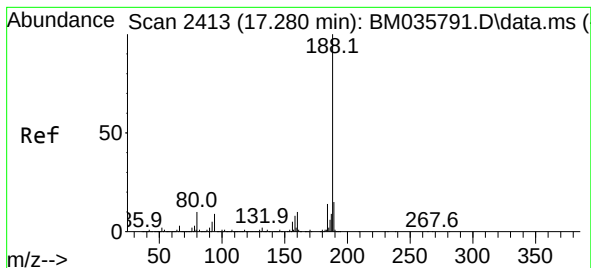


#62
4-Nitroaniline
Concen: 2.943 ng
RT: 15.580 min Scan# 2124
Delta R.T. -0.024 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34



Tgt Ion:138 Resp: 2562
Ion Ratio Lower Upper
138 100
92 18.4 30.8 70.8#
108 18.0 65.7 105.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.280 min Scan# 2413

Delta R.T. 0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

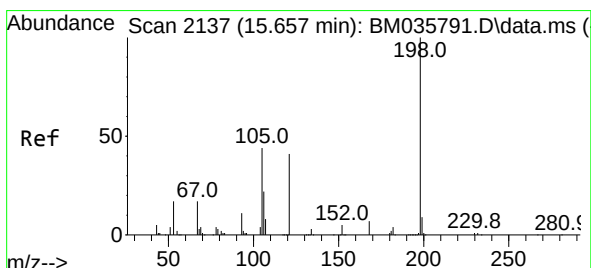
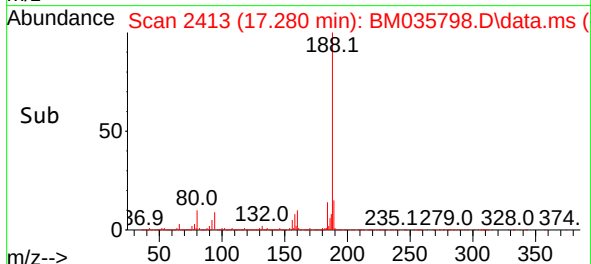
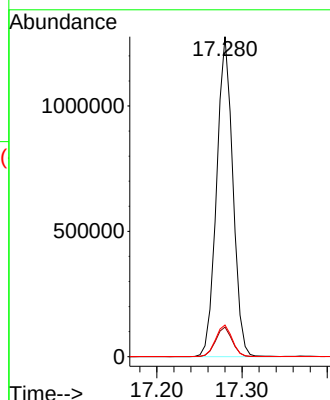
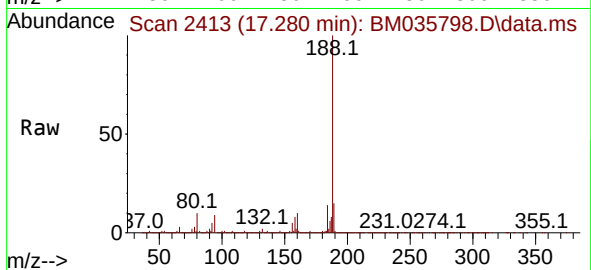
Tgt Ion:188 Resp: 1687141

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 9.9 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 6.594 ng

RT: 15.680 min Scan# 2141

Delta R.T. 0.023 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

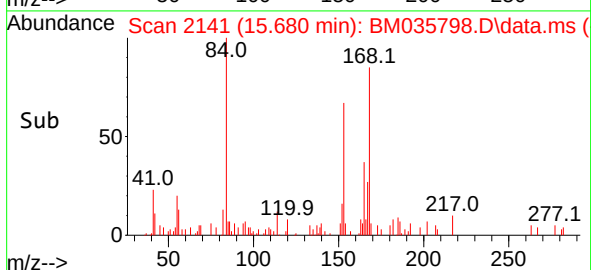
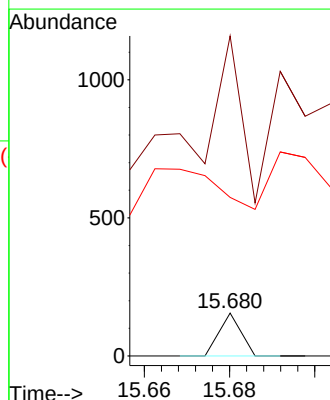
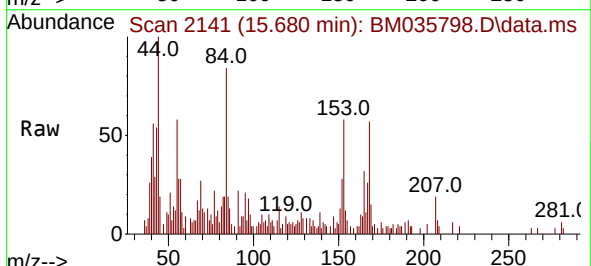
Tgt Ion:198 Resp: 55

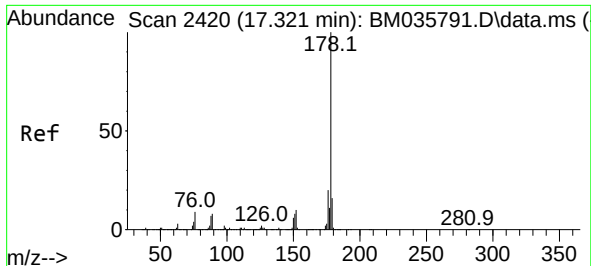
Ion Ratio Lower Upper

198 100

51 747.7 29.0 69.0#

105 370.3 22.1 62.1#

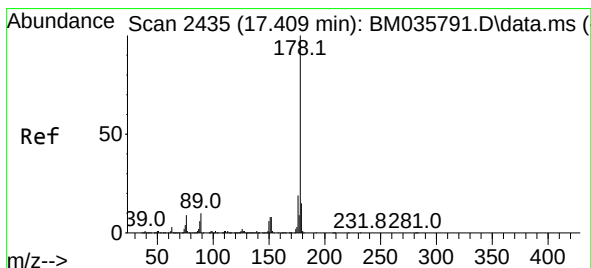
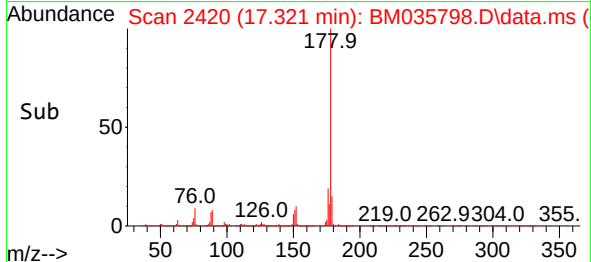
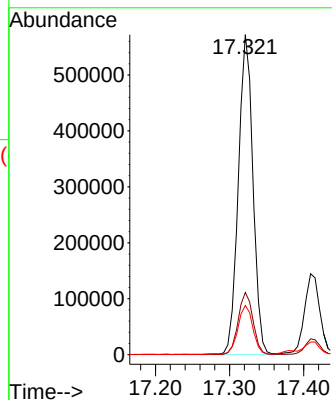
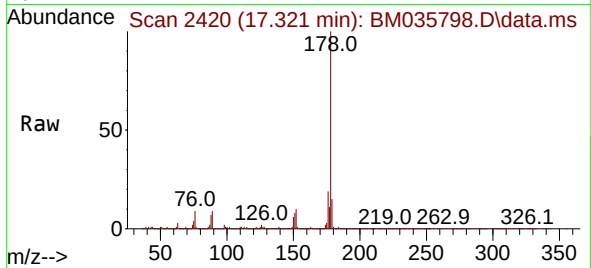




#71
Phenanthrene
Concen: 8.828 ng
RT: 17.321 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

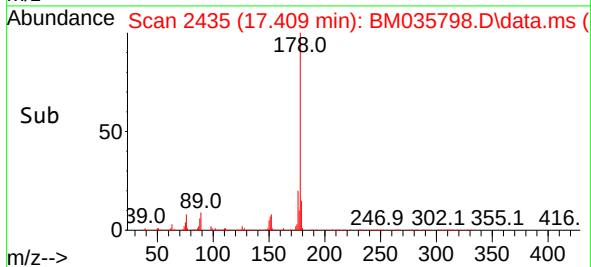
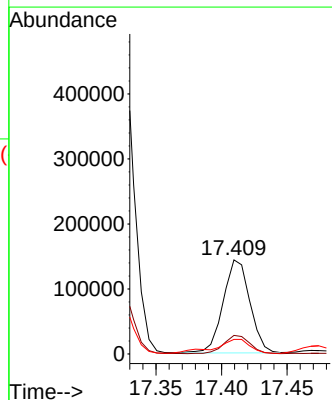
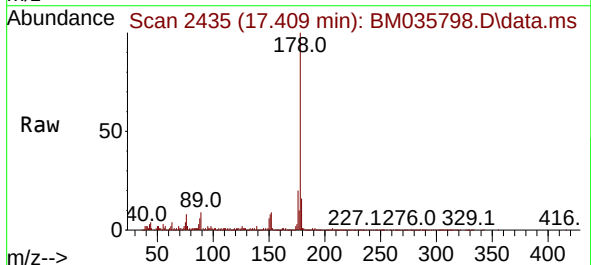
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

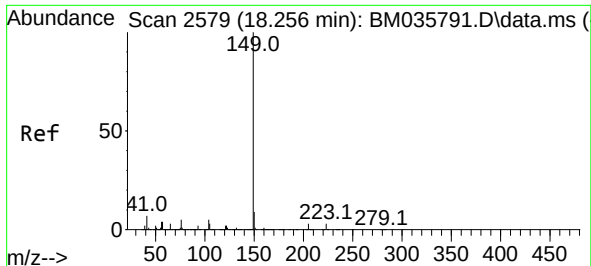
Tgt Ion:178 Resp: 782415
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 2.375 ng
RT: 17.409 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:178 Resp: 202467
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 15.6 12.2 18.2

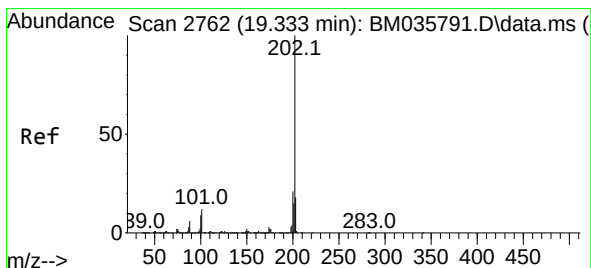
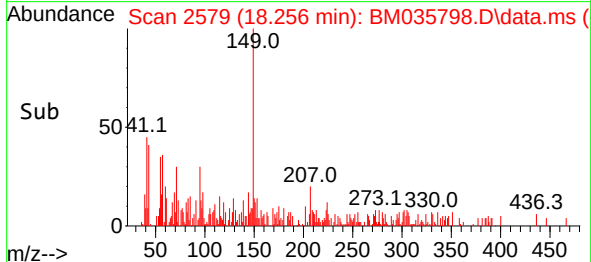
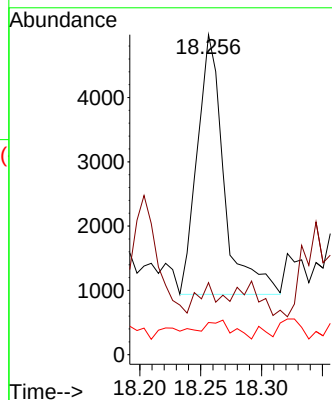
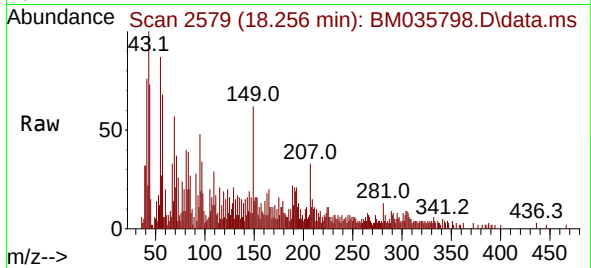




#74
Di-n-butylphthalate
Concen: 2.327 ng
RT: 18.256 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

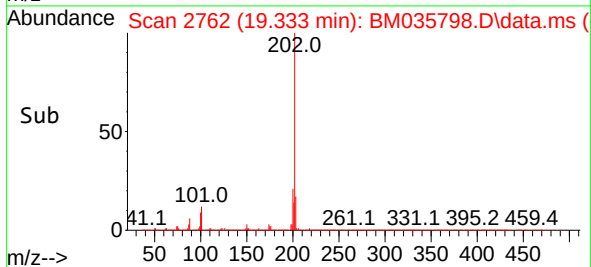
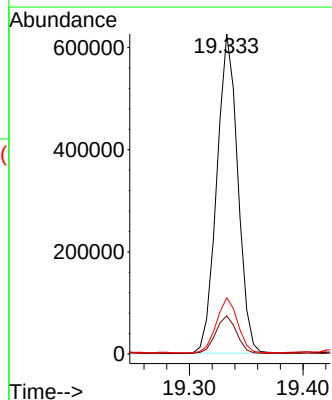
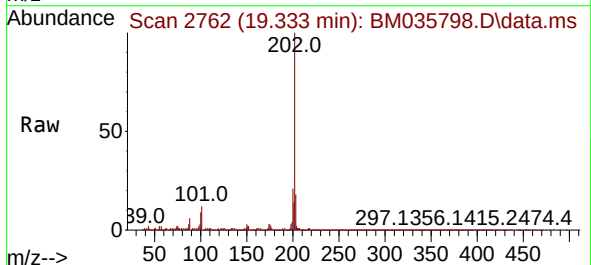
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

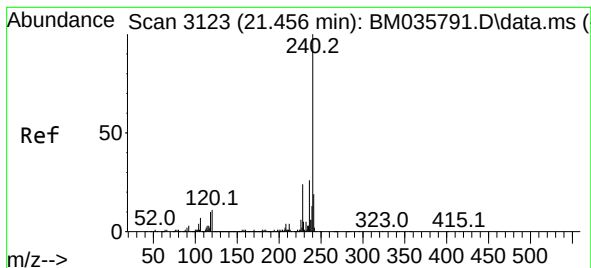
Tgt Ion:149 Resp: 6182
Ion Ratio Lower Upper
149 100
150 22.5 7.3 10.9#
104 10.1 4.3 6.5#



#75
Fluoranthene
Concen: 8.104 ng
RT: 19.333 min Scan# 2762
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:202 Resp: 803275
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.6
203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.456 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

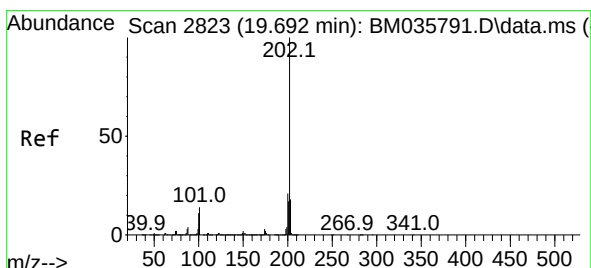
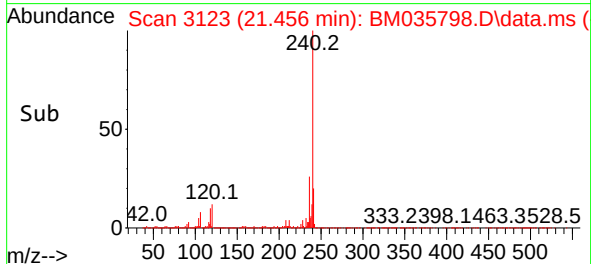
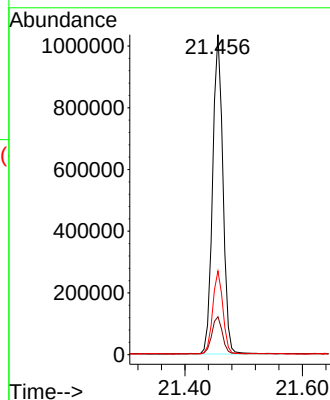
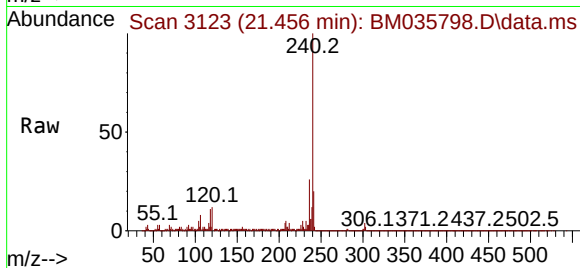
Tgt Ion:240 Resp: 1257494

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.0

236 26.2 20.6 30.8



#78

Pyrene

Concen: 9.180 ng

RT: 19.692 min Scan# 2823

Delta R.T. -0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

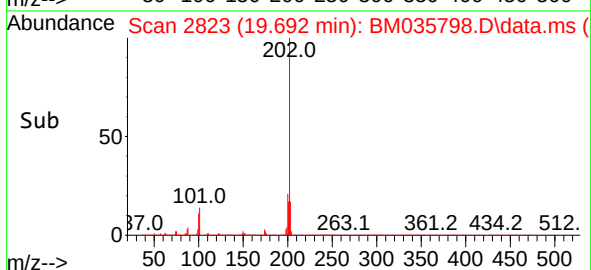
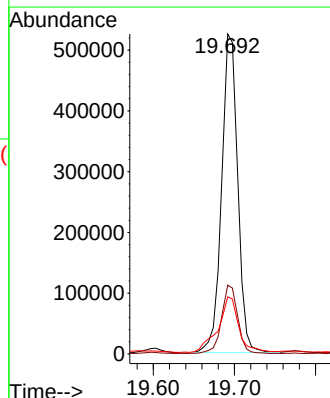
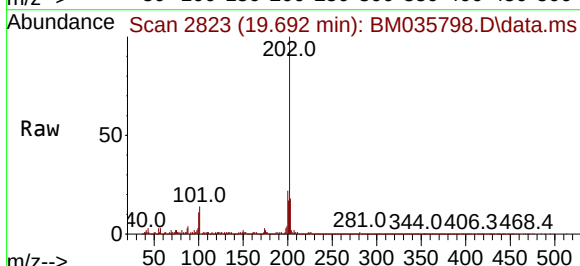
Tgt Ion:202 Resp: 724986

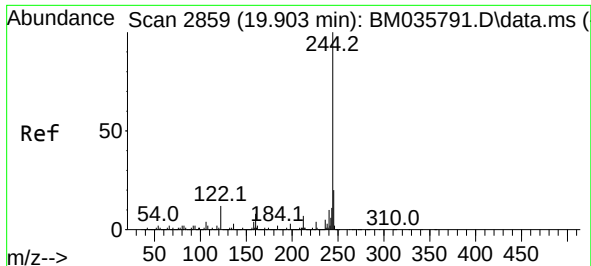
Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

203 17.8 13.9 20.9

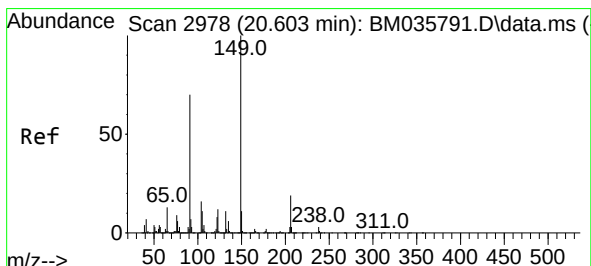
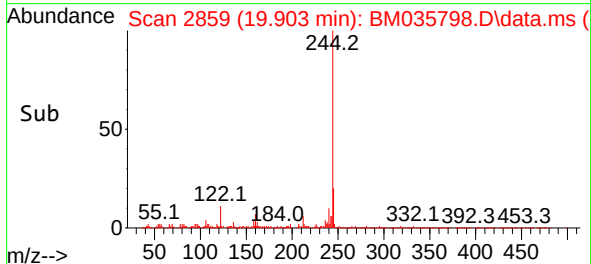
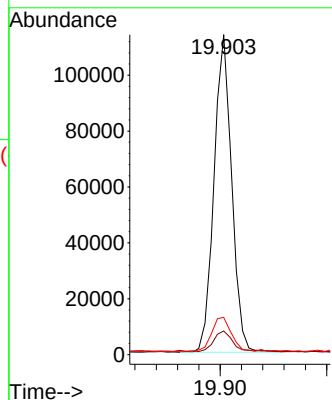
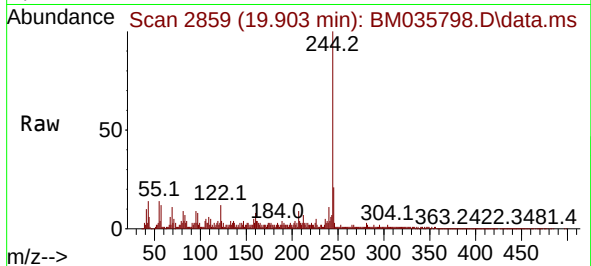




#79
 Terphenyl-d14
 Concen: 2.020 ng
 RT: 19.903 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34

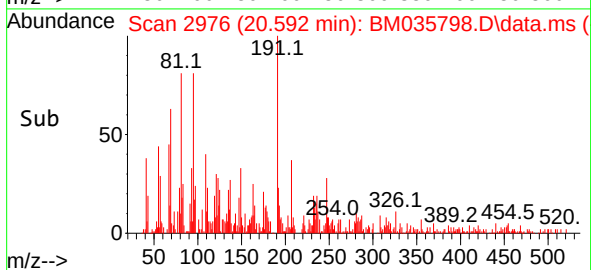
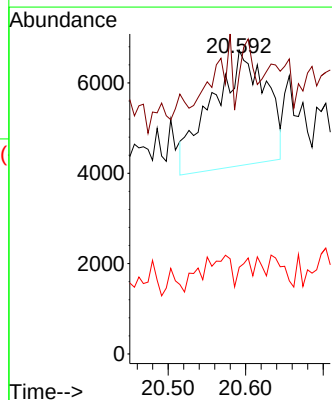
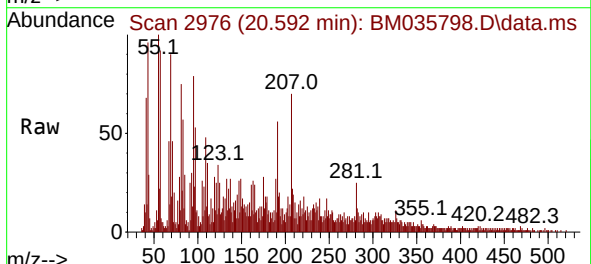
Instrument :
 BNA_M
 ClientSampleId :
 NB-08-070822DL

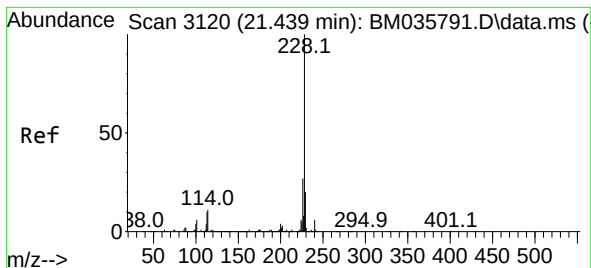
Tgt Ion:244 Resp: 130823
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 11.7 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 4.560 ng
 RT: 20.592 min Scan# 2976
 Delta R.T. -0.011 min
 Lab File: BM035798.D
 Acq: 13 Jul 2022 17:34

Tgt Ion:149 Resp: 12221
 Ion Ratio Lower Upper
 149 100
 91 92.1 56.6 85.0#
 206 28.5 15.4 23.0#





#81

Benzo(a)anthracene

Concen: 3.481 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.000 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

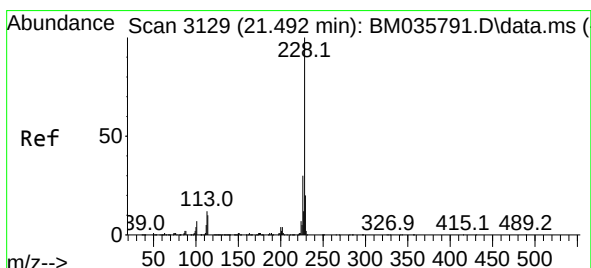
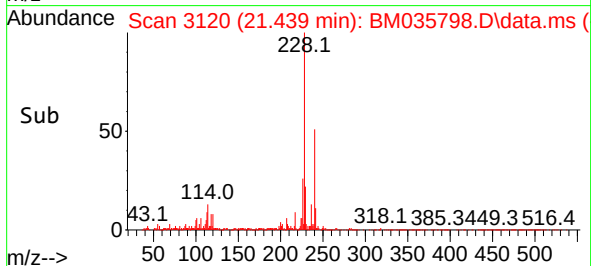
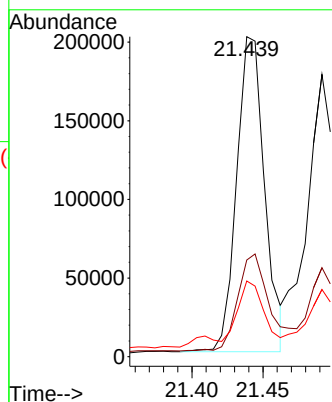
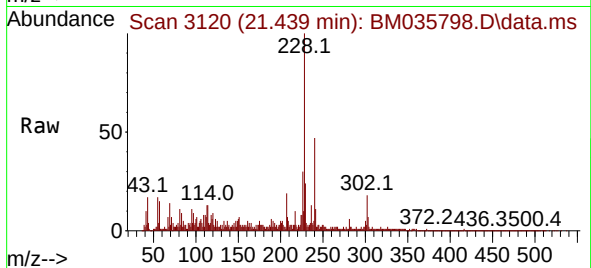
Tgt Ion:228 Resp: 274596

Ion Ratio Lower Upper

228 100

226 30.2 22.3 33.5

229 23.7 15.8 23.6#



#83

Chrysene

Concen: 3.605 ng

RT: 21.439 min Scan# 3120

Delta R.T. -0.053 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

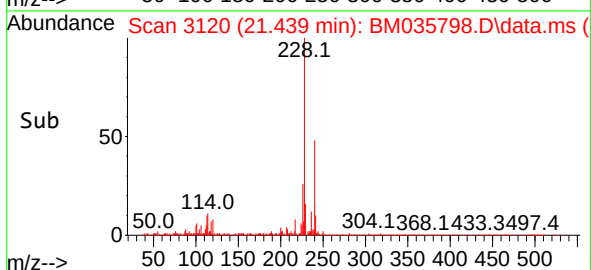
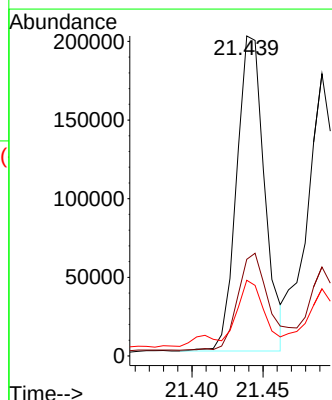
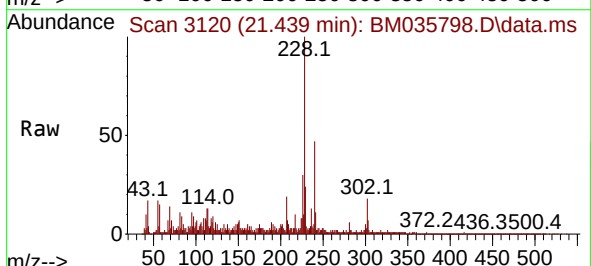
Tgt Ion:228 Resp: 274596

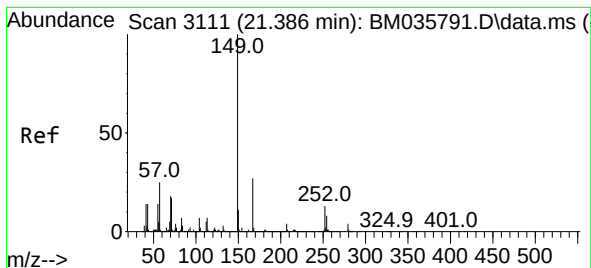
Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 23.7 15.8 23.8

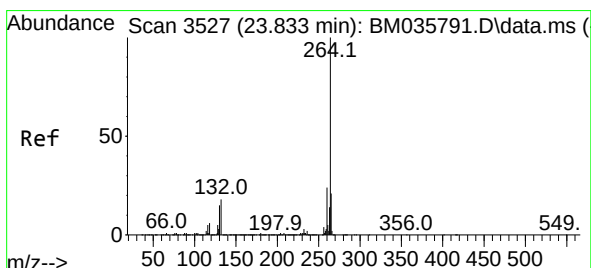
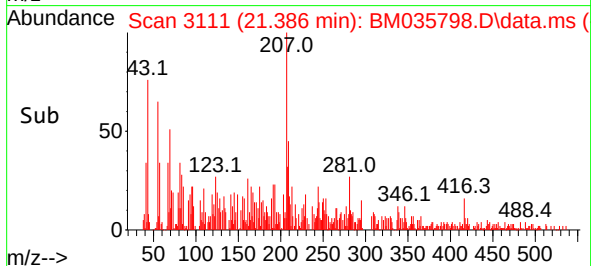
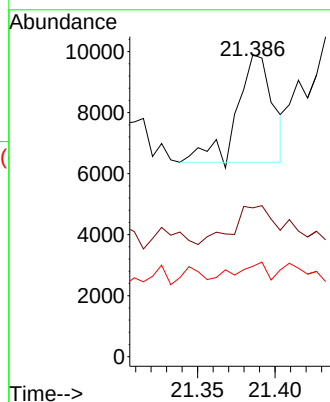
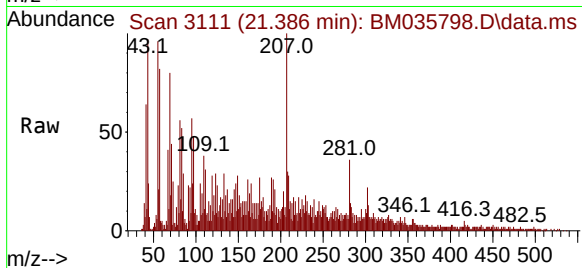




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.360 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

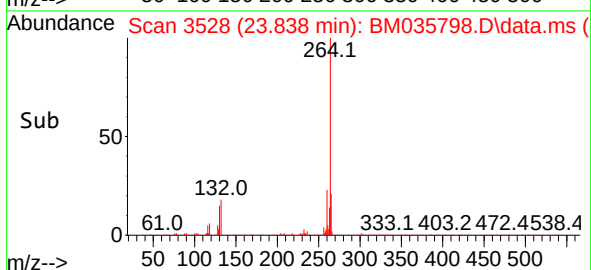
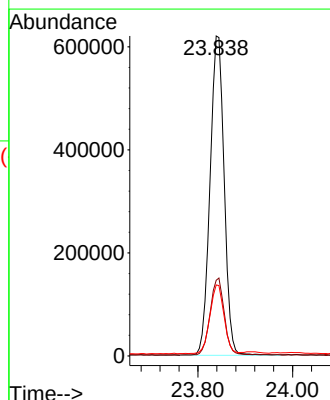
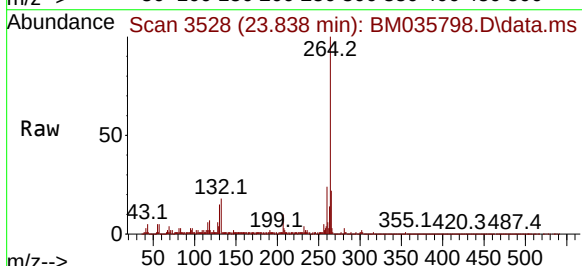
Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

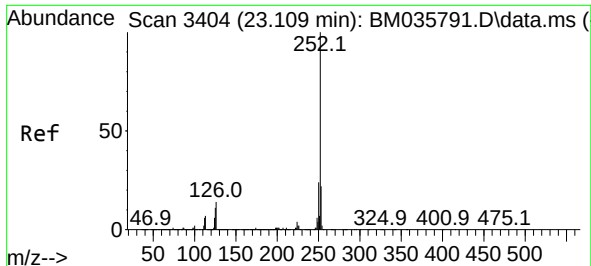
Tgt Ion:149 Resp: 5657
Ion Ratio Lower Upper
149 100
167 49.3 21.1 31.7#
279 29.9 2.8 4.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.838 min Scan# 3528
Delta R.T. 0.005 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Tgt Ion:264 Resp: 1283016
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.401 ng

RT: 23.115 min Scan# 3405

Delta R.T. 0.006 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

Instrument :

BNA_M

ClientSampleId :

NB-08-070822DL

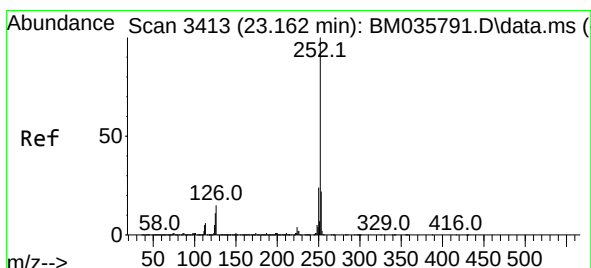
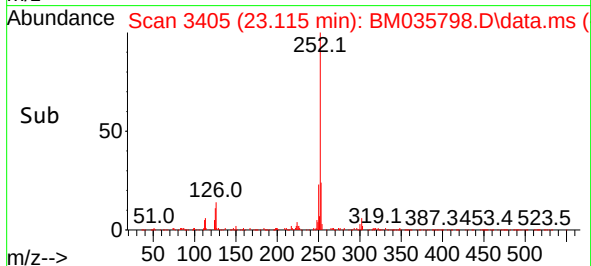
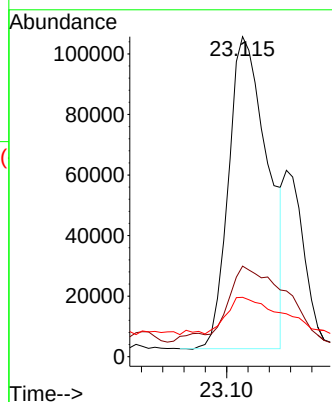
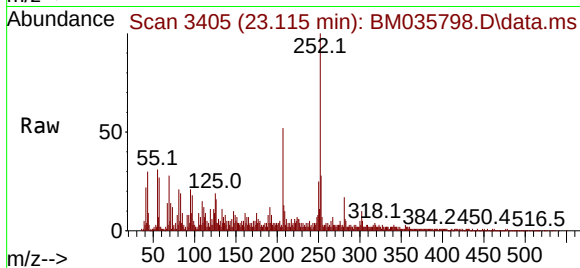
Tgt Ion:252 Resp: 263537

Ion Ratio Lower Upper

252 100

253 28.3 17.6 26.4#

125 18.5 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 3.251 ng

RT: 23.115 min Scan# 3405

Delta R.T. -0.047 min

Lab File: BM035798.D

Acq: 13 Jul 2022 17:34

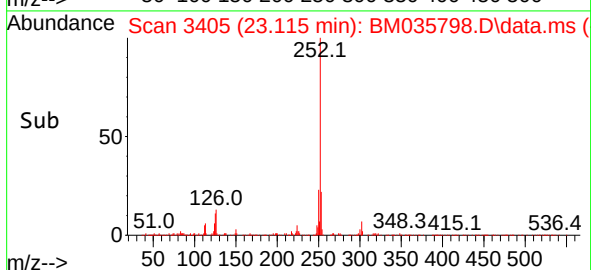
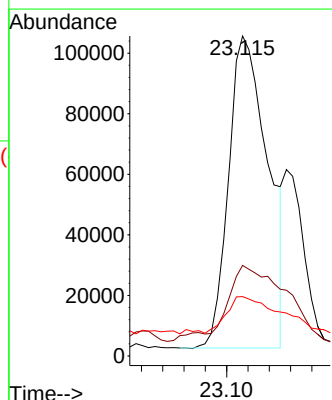
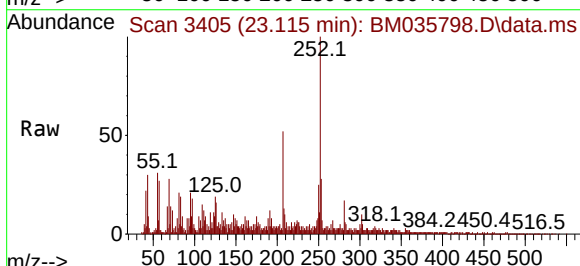
Tgt Ion:252 Resp: 263537

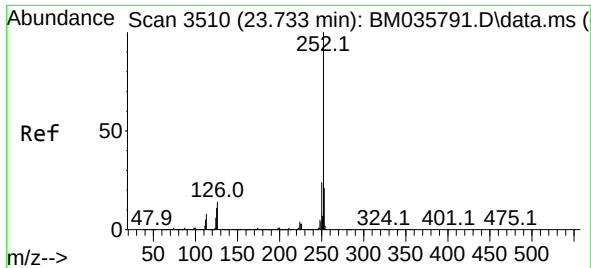
Ion Ratio Lower Upper

252 100

253 28.3 17.5 26.3#

125 18.5 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 3.114 ng
RT: 23.733 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM035798.D
Acq: 13 Jul 2022 17:34

Instrument :
BNA_M
ClientSampleId :
NB-08-070822DL

Tgt Ion:252 Resp: 201900
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 17.4 8.7 13.1#

