

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042525.D
 Acq On : 31 Oct 2023 23:48
 Operator : MA/JU
 Sample : 04938-18DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0-3(5-10)DL

Quant Time: Nov 01 01:52:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 02:55:18 2023
 Response via : Initial Calibration

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

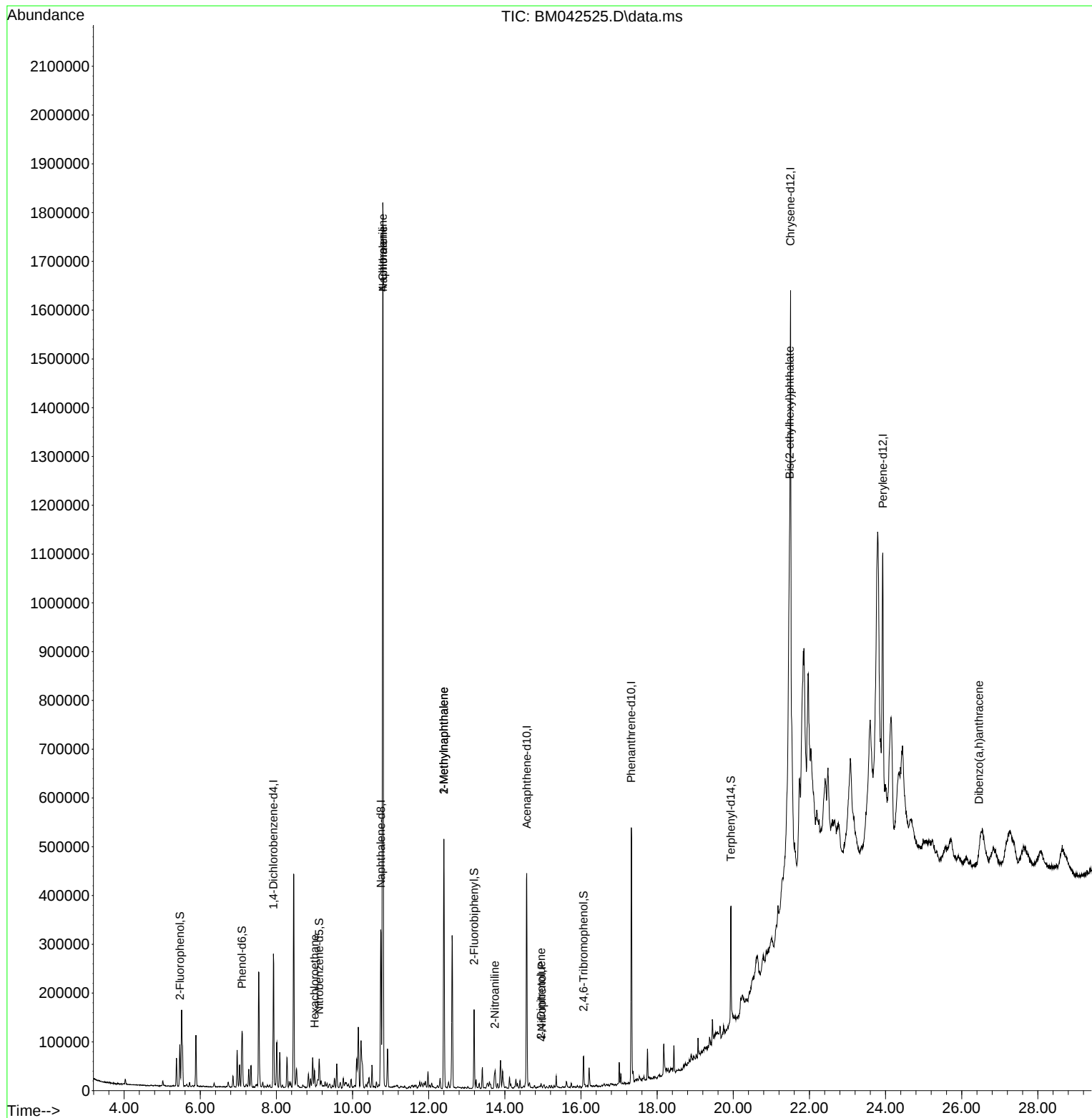
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	64467	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	236593	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	141328	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	299781	20.000	ng	0.00
76) Chrysene-d12	21.503	240	319833	20.000	ng	0.00
86) Perylene-d12	23.927	264	367550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	33744	8.448	ng	0.00
7) Phenol-d6	7.093	99	46071	8.410	ng	0.00
23) Nitrobenzene-d5	9.122	82	33999	6.699	ng	-0.01
42) 2,4,6-Tribromophenol	16.069	330	10630	5.761	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	74211	7.066	ng	0.00
79) Terphenyl-d14	19.939	244	109951	5.829	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.004	117	5326	2.889	ng	# 1
31) Naphthalene	10.798	128	1340205	109.640	ng	100
33) 4-Chloroaniline	10.792	127	176543	37.040	ng	# 30
37) 2-Methylnaphthalene	12.398	142	209355	24.319	ng	97
38) 1-Methylnaphthalene	12.398	142	209355	25.837	ng	98
48) 2-Nitroaniline	13.733	65	500	4.493	ng	# 13
56) 4-Nitrophenol	14.969	139	626	7.243	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	70	3.991	ng	# 43
84) Bis(2-ethylhexyl)phtha...	21.480	149	116974	8.251	ng	# 59
91) Dibenzo(a,h)anthracene	26.456	278	777	4.173	ng	# 1

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

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0-3(5-10)DL

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

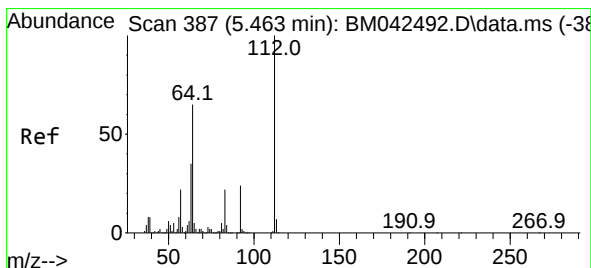
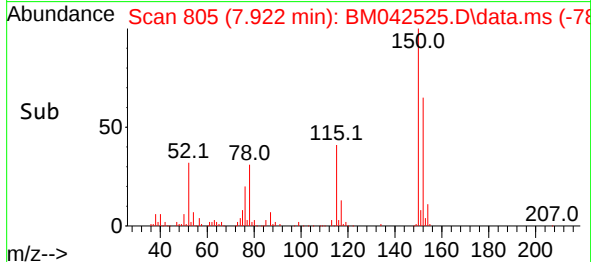
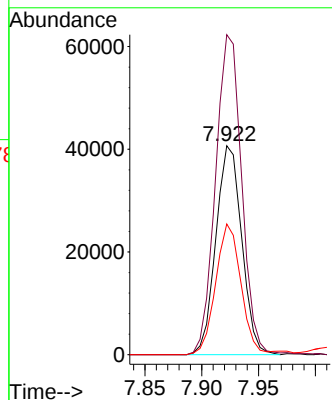
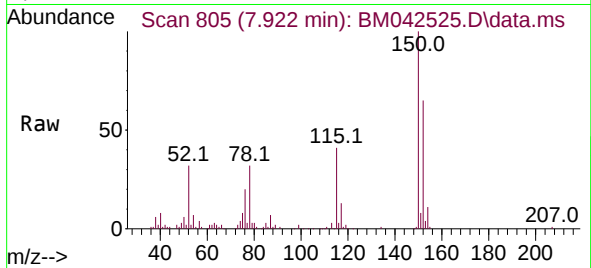




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

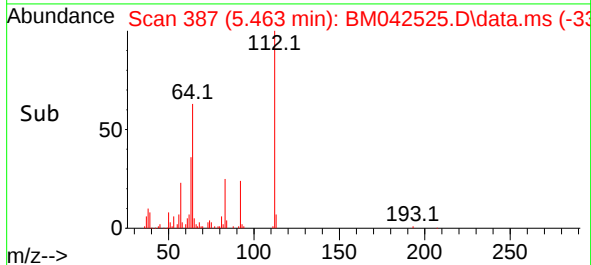
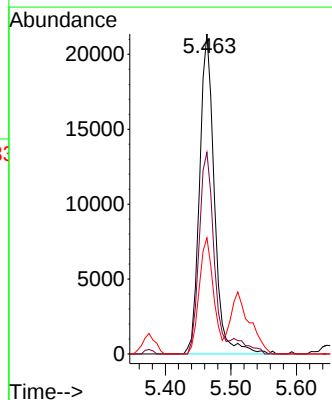
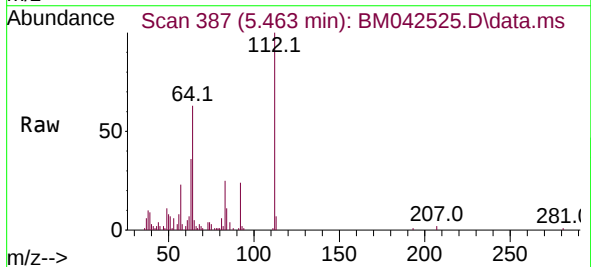
Instrument :
BNA_M
ClientSampleId :
0-3(5-10)DL

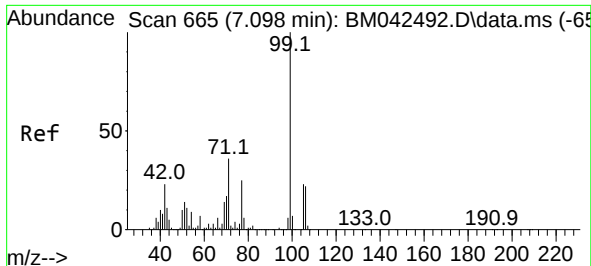
Tgt Ion:152 Resp: 64467
Ion Ratio Lower Upper
152 100
150 153.2 127.4 191.0
115 62.6 47.9 71.9



#5
2-Fluorophenol
Concen: 8.448 ng
RT: 5.463 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

Tgt Ion:112 Resp: 33744
Ion Ratio Lower Upper
112 100
64 63.0 52.1 78.1
63 36.3 28.3 42.5

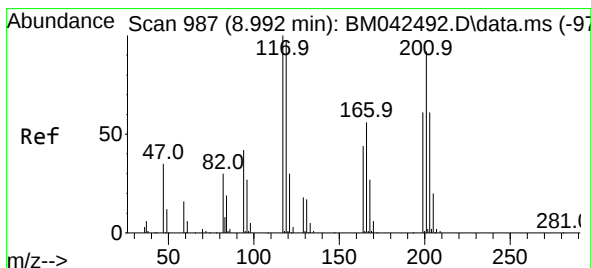
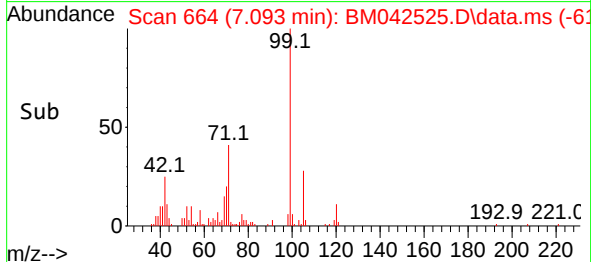
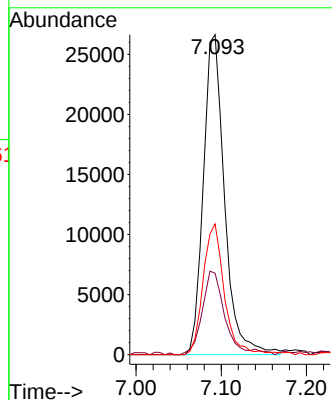
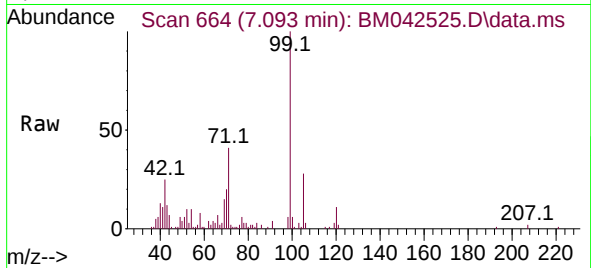




#7
Phenol-d6
Concen: 8.410 ng
RT: 7.093 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

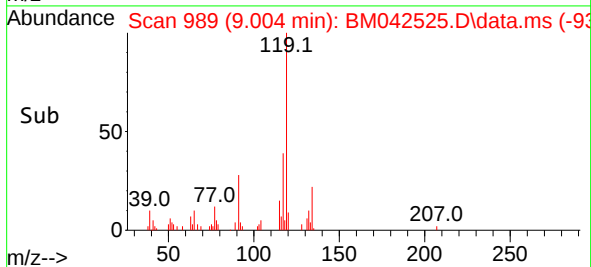
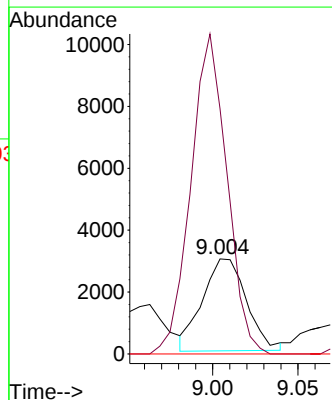
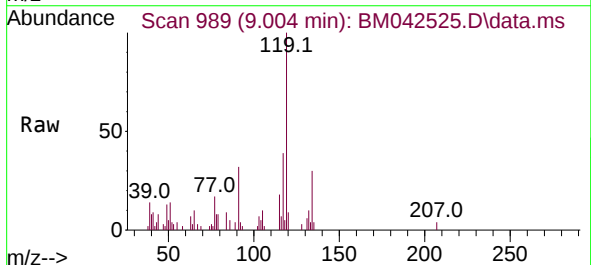
Instrument :
BNA_M
ClientSampleId :
0-3(5-10)DL

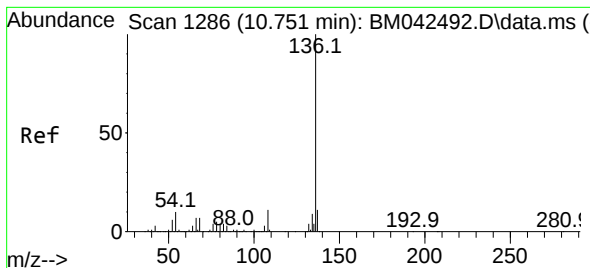
Tgt Ion: 99 Resp: 46071
Ion Ratio Lower Upper
99 100
42 25.5 18.7 28.1
71 40.9 29.1 43.7



#18
Hexachloroethane
Concen: 2.889 ng
RT: 9.004 min Scan# 989
Delta R.T. 0.012 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

Tgt Ion: 117 Resp: 5326
Ion Ratio Lower Upper
117 100
119 258.0 77.9 116.9#
201 0.0 73.7 110.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.745 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA_M

ClientSampleId :

0-3(5-10)DL

Tgt Ion:136 Resp: 236593

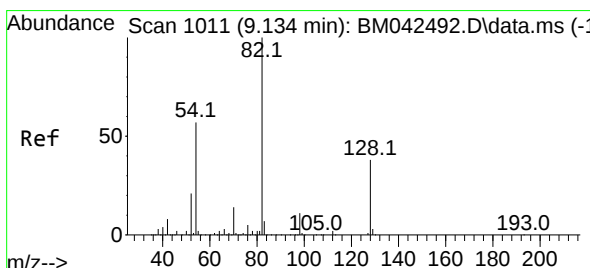
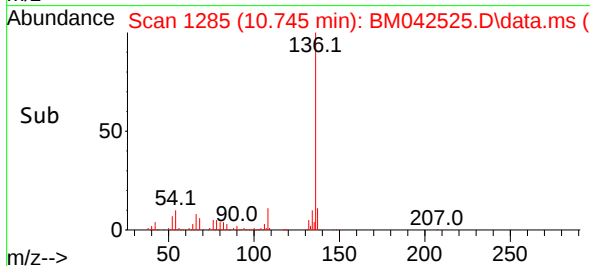
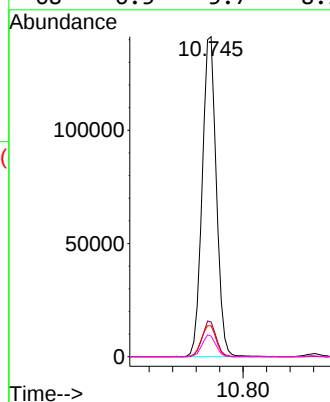
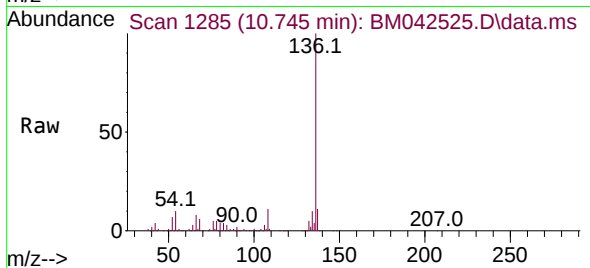
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 9.6 8.0 12.0

68 6.5 5.7 8.5



#23

Nitrobenzene-d5

Concen: 6.699 ng

RT: 9.122 min Scan# 1009

Delta R.T. -0.012 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

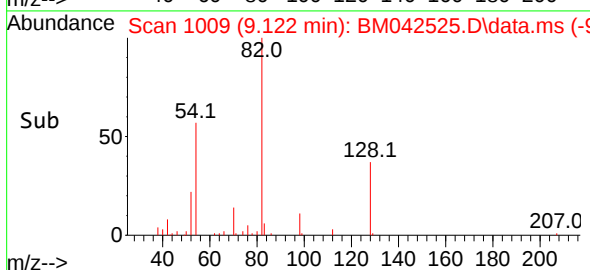
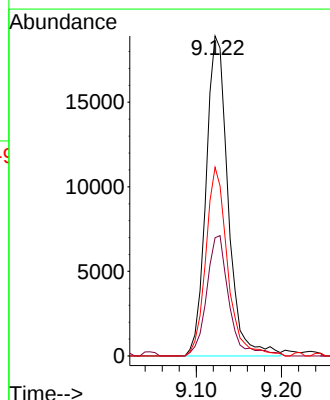
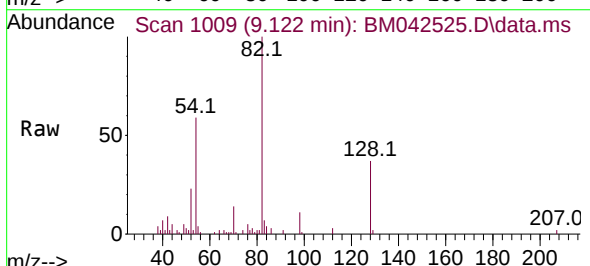
Tgt Ion: 82 Resp: 33999

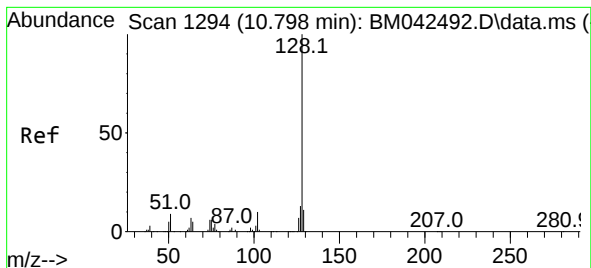
Ion Ratio Lower Upper

82 100

128 36.9 30.7 46.1

54 59.0 45.3 67.9

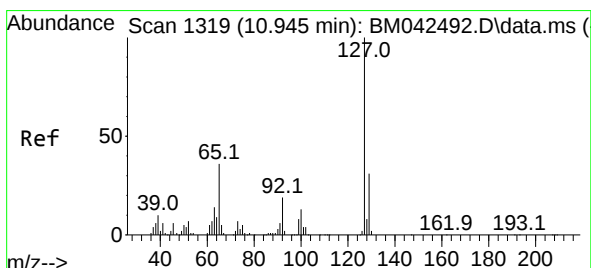
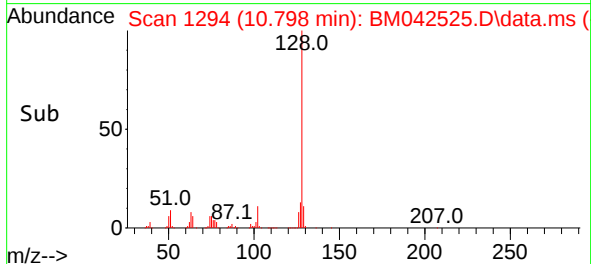
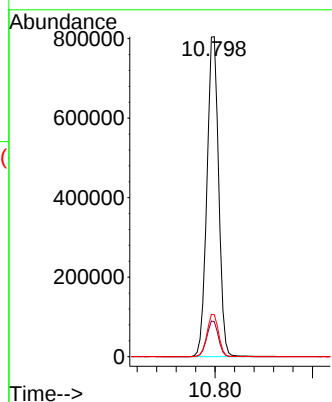
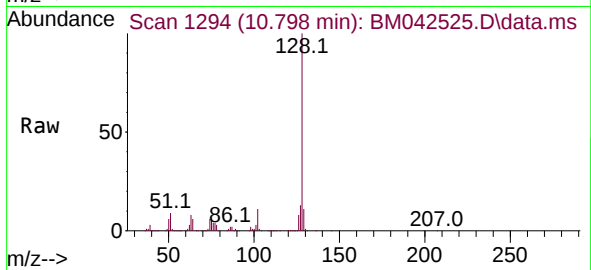




#31
Naphthalene
Concen: 109.640 ng
RT: 10.798 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

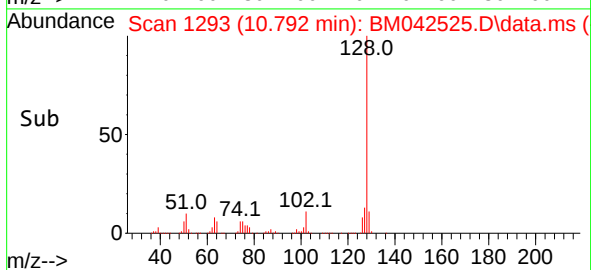
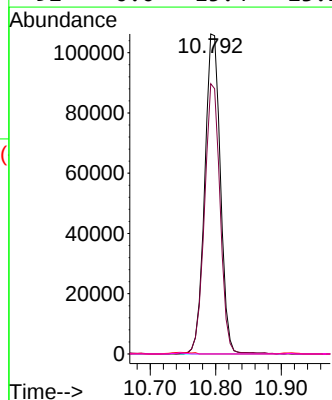
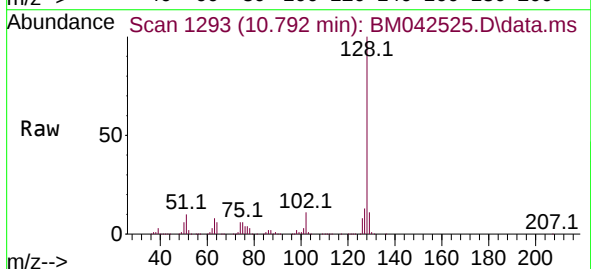
Instrument :
BNA_M
ClientSampleId :
0-3(5-10)DL

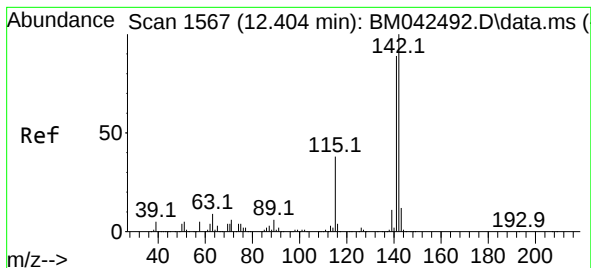
Tgt Ion:128 Resp: 1340205
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.6 15.8



#33
4-Chloroaniline
Concen: 37.040 ng
RT: 10.792 min Scan# 1293
Delta R.T. -0.153 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

Tgt Ion:127 Resp: 176543
Ion Ratio Lower Upper
127 100
129 84.4 25.0 37.4#
65 0.0 29.0 43.4#
92 0.0 15.4 23.2#





#37

2-Methylnaphthalene

Concen: 24.319 ng

RT: 12.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA_M

ClientSampleId :

0-3(5-10)DL

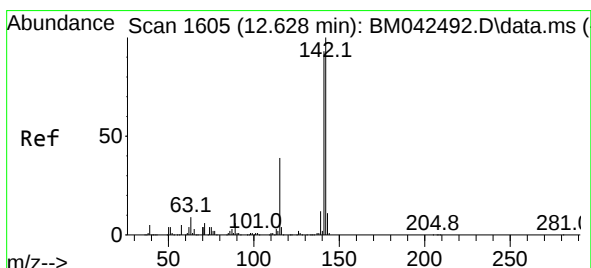
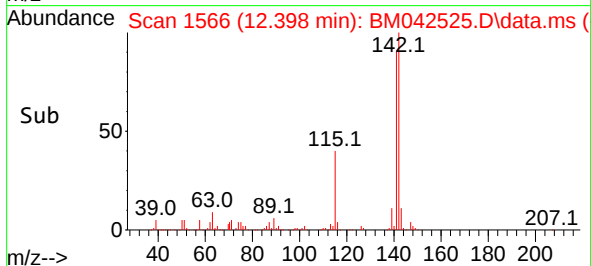
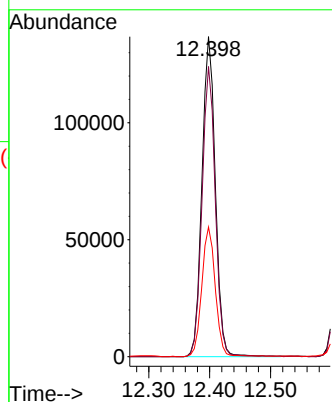
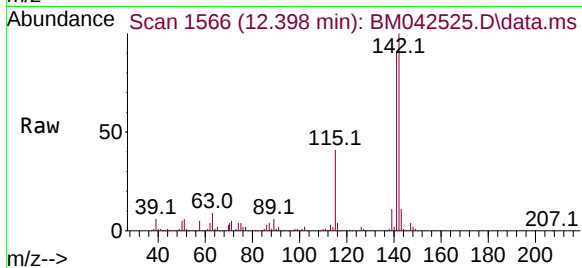
Tgt Ion:142 Resp: 209355

Ion Ratio Lower Upper

142 100

141 90.6 70.9 106.3

115 40.5 30.2 45.2



#38

1-Methylnaphthalene

Concen: 25.837 ng

RT: 12.398 min Scan# 1566

Delta R.T. -0.229 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

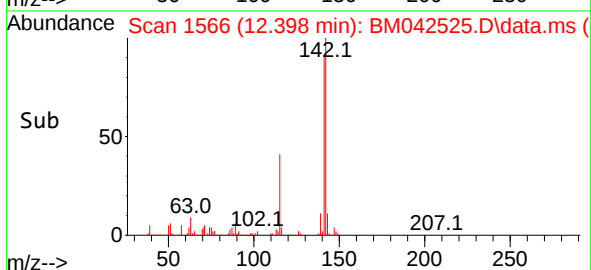
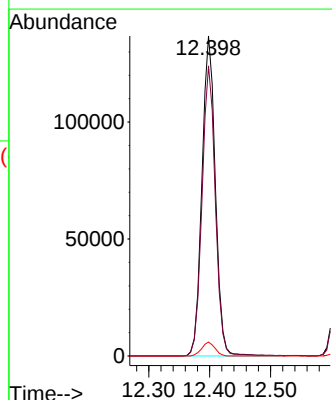
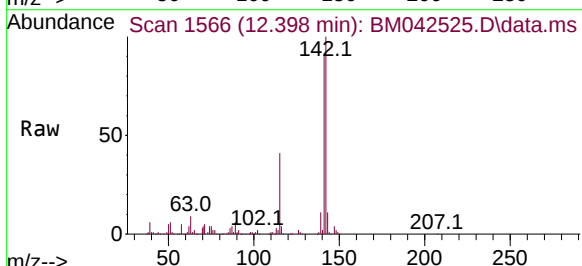
Tgt Ion:142 Resp: 209355

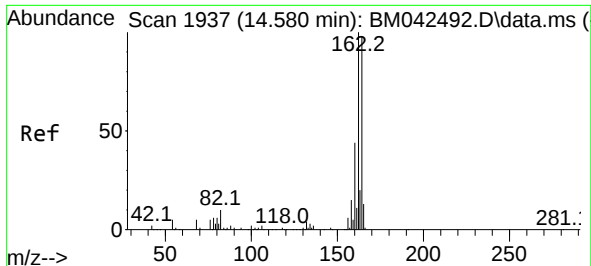
Ion Ratio Lower Upper

142 100

141 90.6 74.4 111.6

116 4.3 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA_M

ClientSampleId :

0-3(5-10)DL

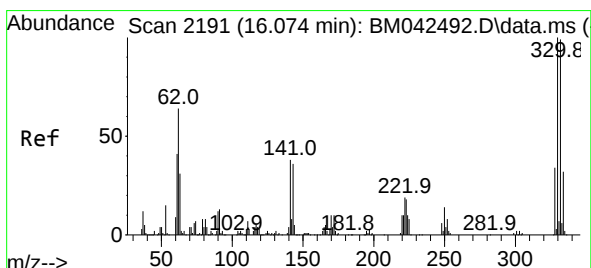
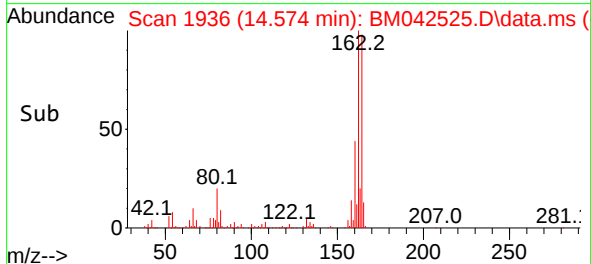
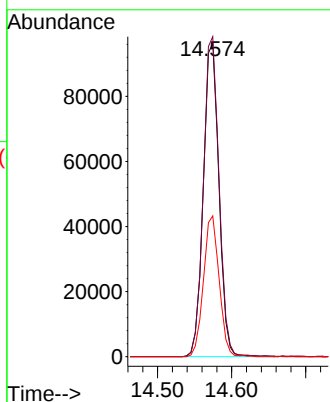
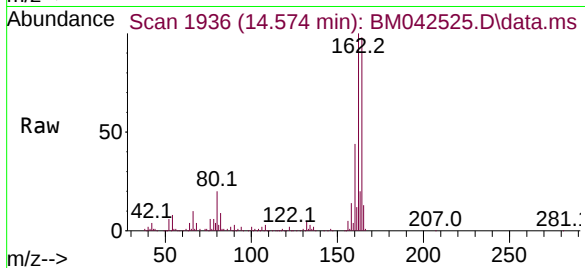
Tgt Ion:164 Resp: 141328

Ion Ratio Lower Upper

164 100

162 102.1 81.6 122.4

160 44.9 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 5.761 ng

RT: 16.069 min Scan# 2190

Delta R.T. -0.005 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

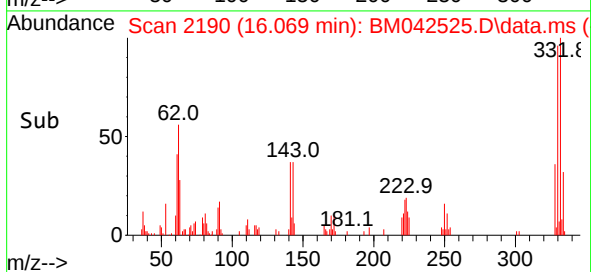
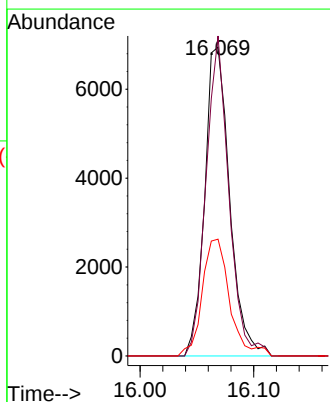
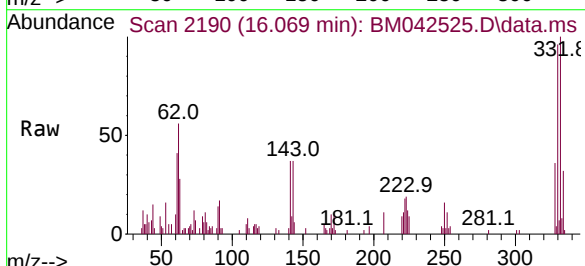
Tgt Ion:330 Resp: 10630

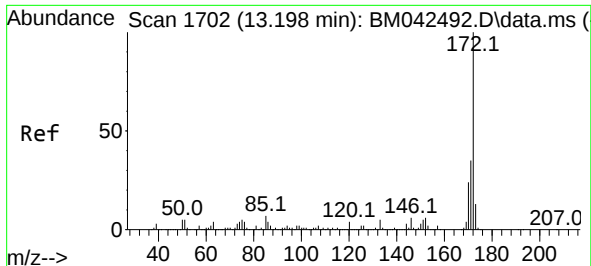
Ion Ratio Lower Upper

330 100

332 94.6 78.8 118.2

141 41.4 31.1 46.7

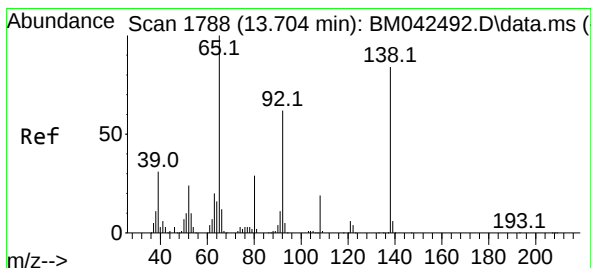
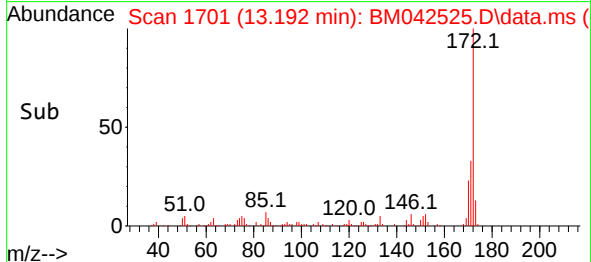
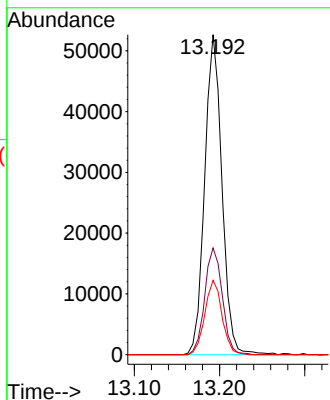
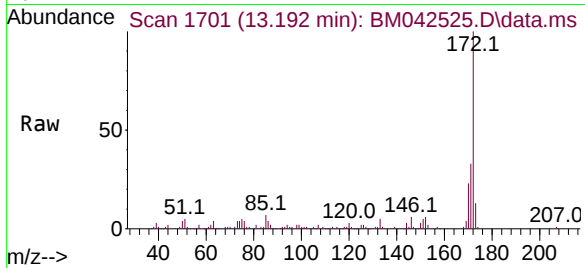




#45
2-Fluorobiphenyl
Concen: 7.066 ng
RT: 13.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

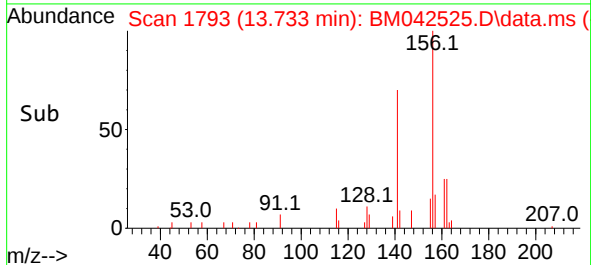
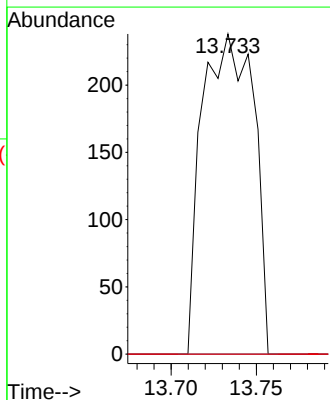
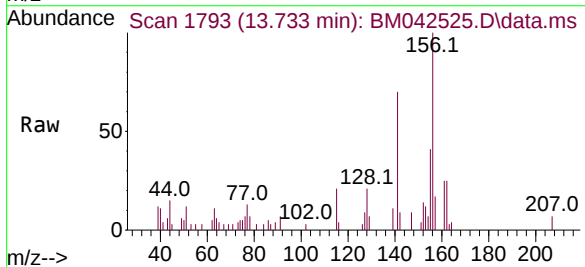
Instrument :
BNA_M
ClientSampleId :
0-3(5-10)DL

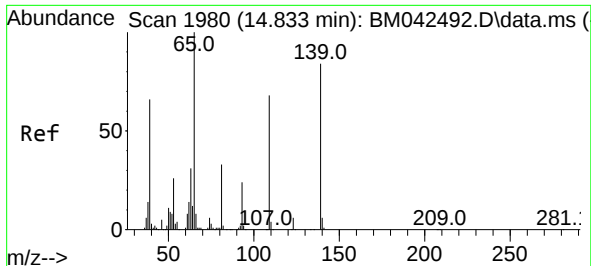
Tgt Ion:172 Resp: 74211
Ion Ratio Lower Upper
172 100
171 33.4 28.2 42.2
170 23.3 19.0 28.4



#48
2-Nitroaniline
Concen: 4.493 ng
RT: 13.733 min Scan# 1793
Delta R.T. 0.029 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

Tgt Ion: 65 Resp: 500
Ion Ratio Lower Upper
65 100
92 0.0 49.4 74.2#
138 0.0 66.9 100.3#

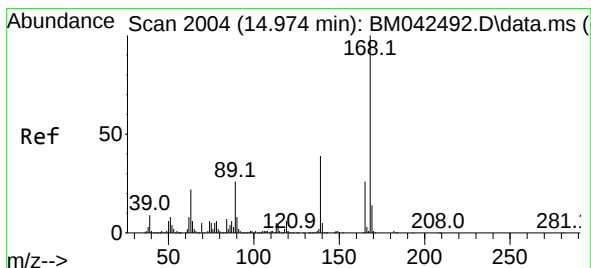
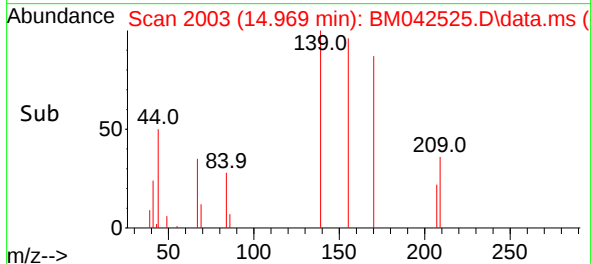
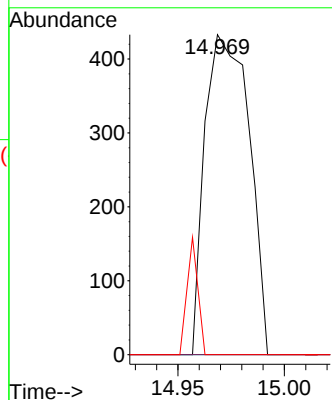
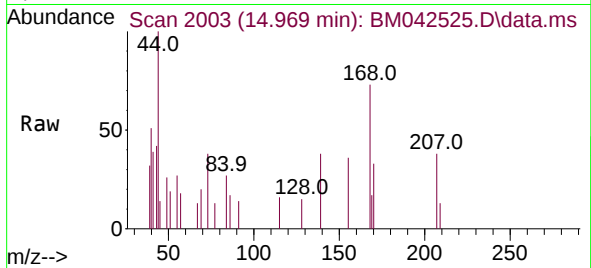




#56
4-Nitrophenol
Concen: 7.243 ng
RT: 14.969 min Scan# 2003
Delta R.T. 0.136 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

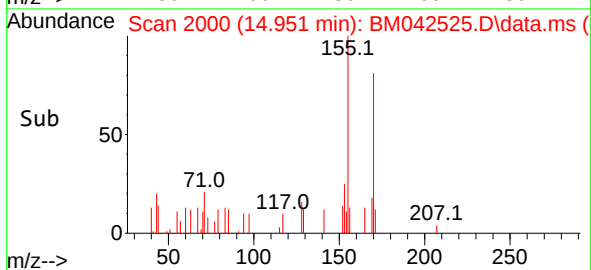
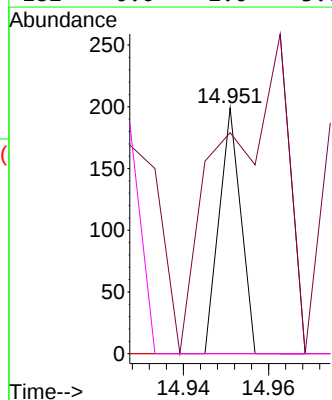
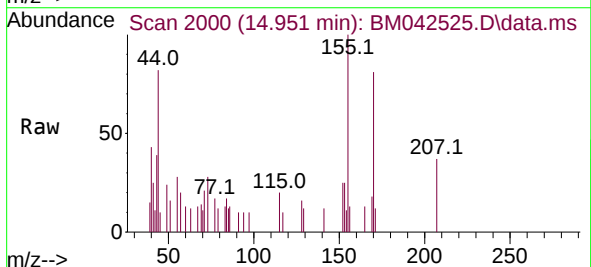
Instrument :
BNA_M
ClientSampleId :
0-3(5-10)DL

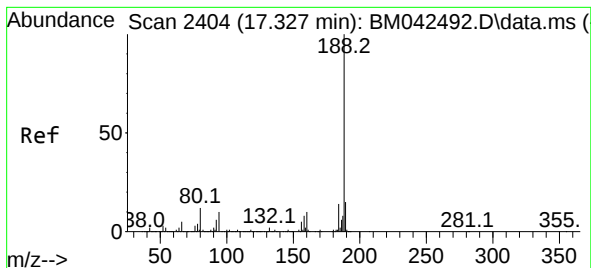
Tgt Ion:139 Resp: 626
Ion Ratio Lower Upper
139 100
109 0.0 61.3 101.3#
65 0.0 100.2 140.2#



#57
2,4-Dinitrotoluene
Concen: 3.991 ng
RT: 14.951 min Scan# 2000
Delta R.T. -0.023 min
Lab File: BM042525.D
Acq: 31 Oct 2023 23:48

Tgt Ion:165 Resp: 70
Ion Ratio Lower Upper
165 100
63 89.9 66.7 100.1
89 0.0 80.2 120.4#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA_M

ClientSampleId :

0-3(5-10)DL

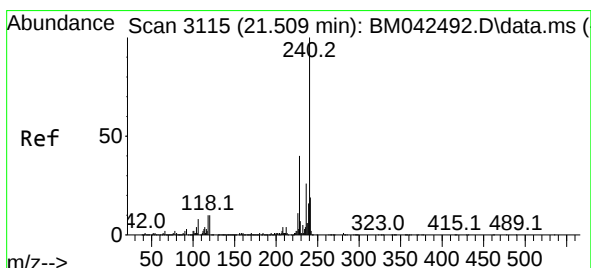
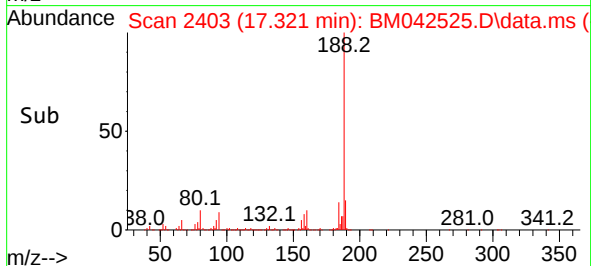
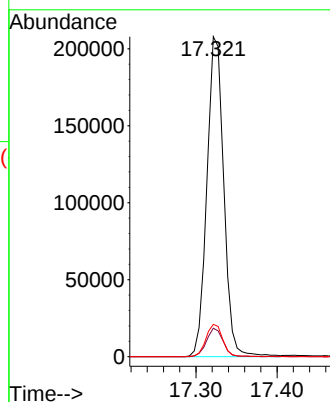
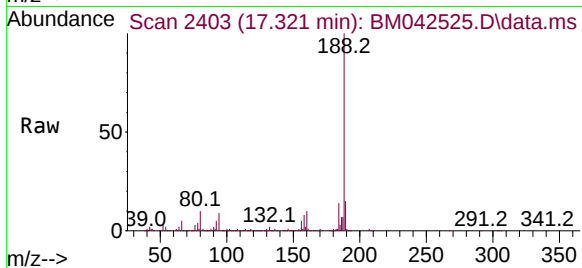
Tgt Ion:188 Resp: 299781

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

80 10.1 9.4 14.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

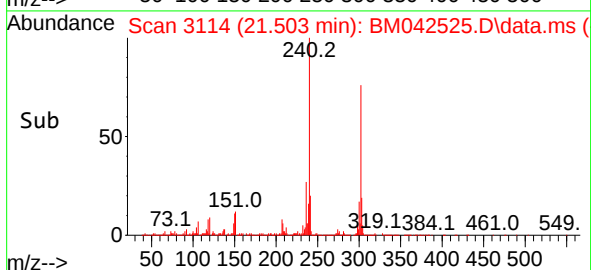
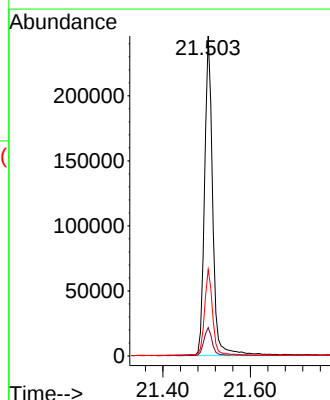
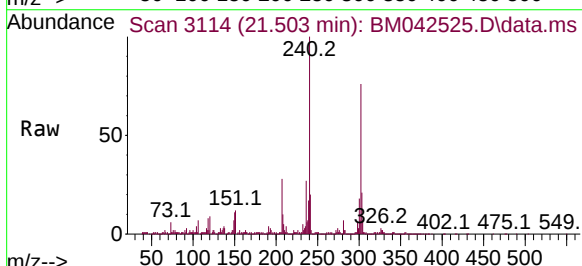
Tgt Ion:240 Resp: 319833

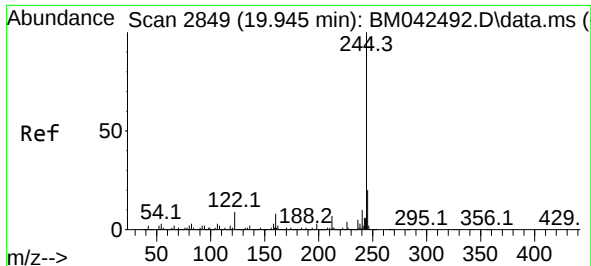
Ion Ratio Lower Upper

240 100

120 8.8 8.3 12.5

236 27.0 20.8 31.2

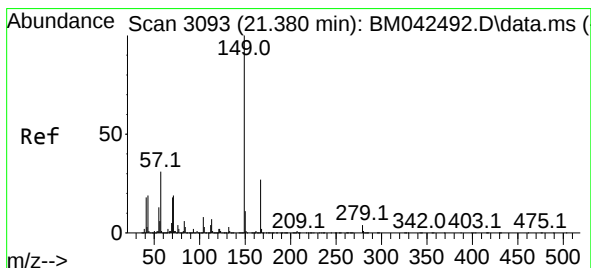
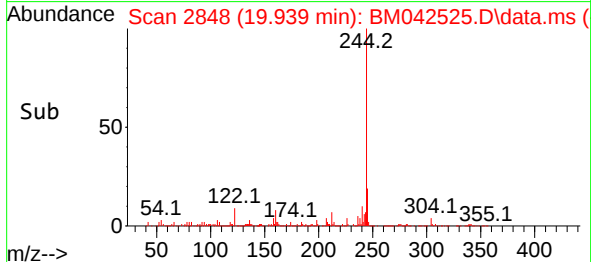
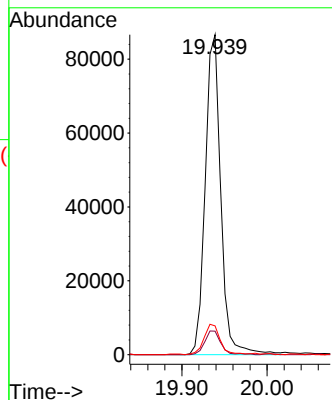
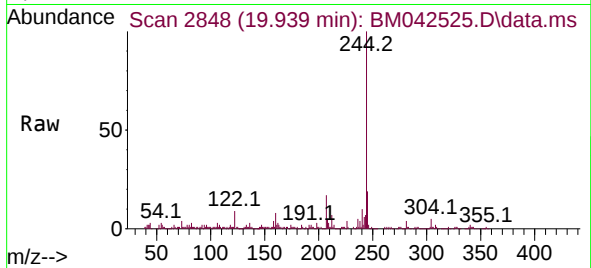




#79
 Terphenyl-d14
 Concen: 5.829 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM042525.D
 Acq: 31 Oct 2023 23:48

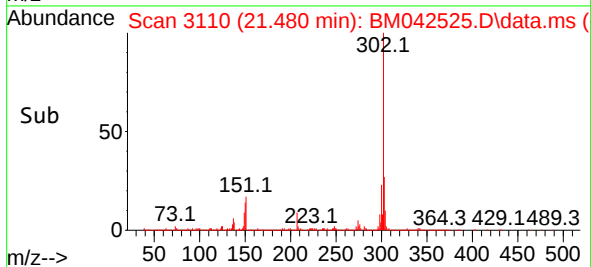
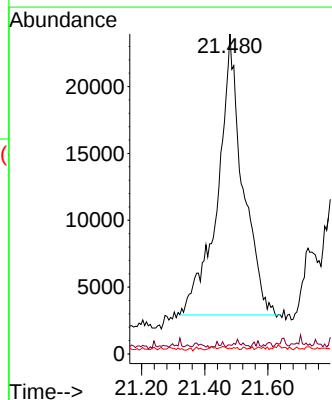
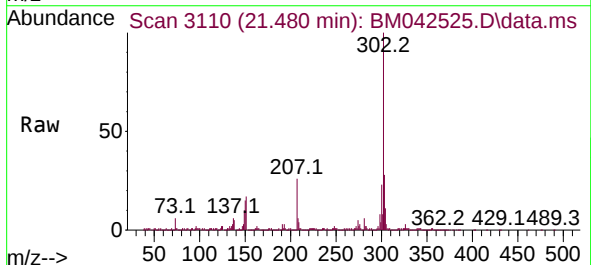
Instrument :
 BNA_M
 ClientSampleId :
 0-3(5-10)DL

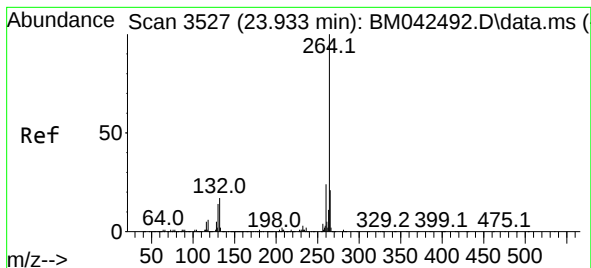
Tgt Ion:244 Resp: 109951
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 9.0 7.2 10.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.251 ng
 RT: 21.480 min Scan# 3110
 Delta R.T. 0.100 min
 Lab File: BM042525.D
 Acq: 31 Oct 2023 23:48

Tgt Ion:149 Resp: 116974
 Ion Ratio Lower Upper
 149 100
 167 2.8 21.4 32.0#
 279 1.8 3.4 5.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Instrument :

BNA_M

ClientSampleId :

0-3(5-10)DL

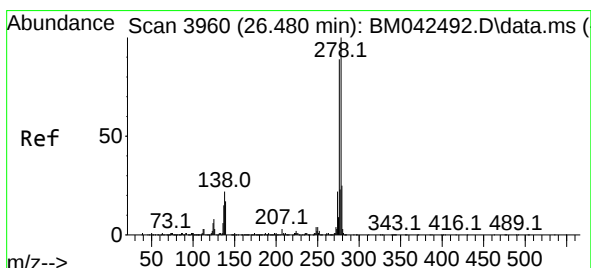
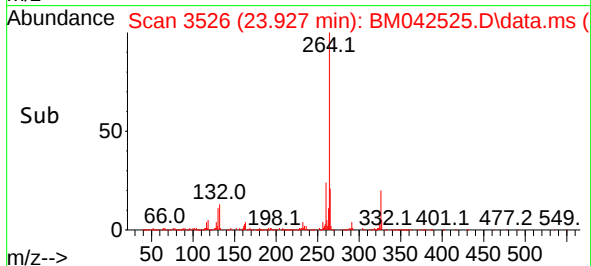
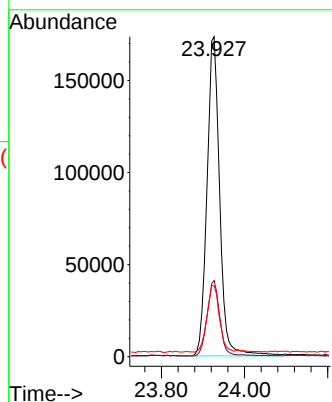
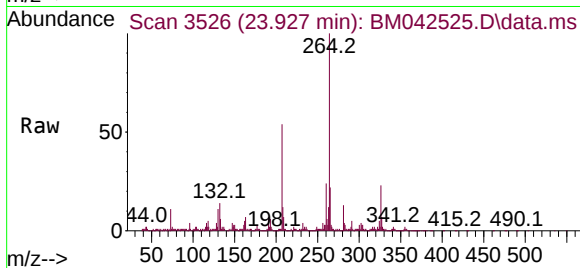
Tgt Ion:264 Resp: 367550

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 22.2 18.7 28.1



#91

Dibenzo(a,h)anthracene

Concen: 4.173 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.024 min

Lab File: BM042525.D

Acq: 31 Oct 2023 23:48

Tgt Ion:278 Resp: 777

Ion Ratio Lower Upper

278 100

139 83.1 13.4 20.2#

279 69.8 19.7 29.5#

