

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103123\
 Data File : BM042531.D
 Acq On : 01 Nov 2023 03:25
 Operator : MA/JU
 Sample : 05048-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OILY-STONE

Quant Time: Nov 01 04:51:30 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)

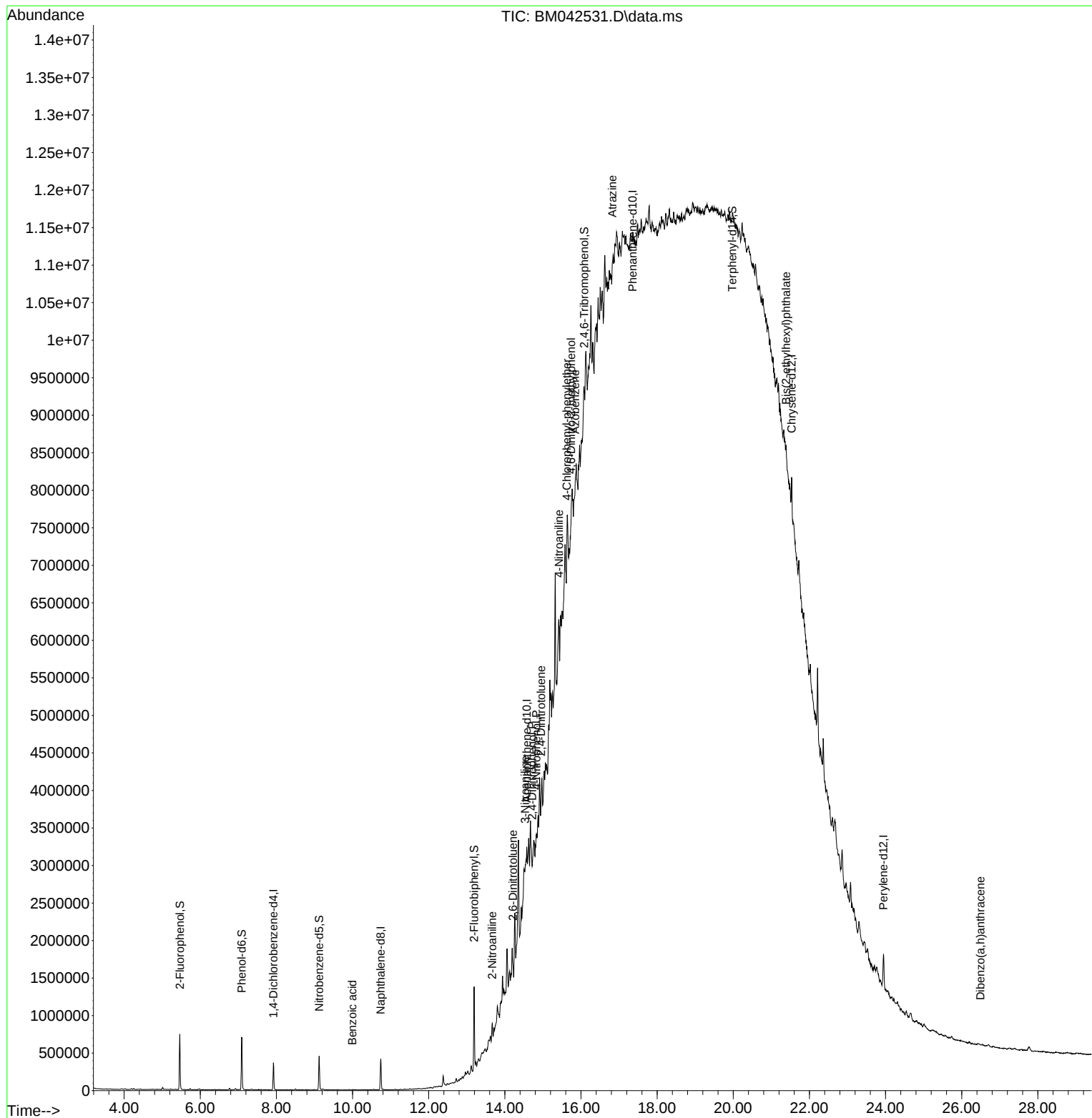
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	84351	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	307578	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	183710	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	263619	20.000	ng	# 0.03
76) Chrysene-d12	21.533	240	316721	20.000	ng	# 0.02
86) Perylene-d12	23.944	264	360291	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	281461	53.852	ng	0.00
7) Phenol-d6	7.087	99	352889	49.231	ng	-0.01
23) Nitrobenzene-d5	9.122	82	243399	36.889	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	113015	47.119	ng	0.01
45) 2-Fluorobiphenyl	13.192	172	502157	36.781	ng	0.00
79) Terphenyl-d14	19.974	244	424851	22.745	ng	0.03
Target Compounds						Qvalue
32) Benzoic acid	9.992	122	748	4.299	ng	# 79
48) 2-Nitroaniline	13.669	65	3133	5.036	ng	# 63
51) 2,6-Dinitrotoluene	14.216	165	11816	4.176	ng	# 23
53) 3-Nitroaniline	14.533	138	2834	5.164	ng	# 35
54) 2,4-Dinitrophenol	14.721	184	177	7.827	ng	# 1
56) 4-Nitrophenol	14.827	139	983	7.303	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	22435	8.770	ng	# 18
61) 4-Chlorophenyl-phenyle...	15.627	204	17049	2.477	ng	# 1
62) 4-Nitroaniline	15.421	138	8828	8.481	ng	89
63) Azobenzene	15.851	77	30933	2.018	ng	# 50
65) 4,6-Dinitro-2-methylph...	15.739	198	3391	7.592	ng	# 1
69) Atrazine	16.827	200	27526	12.816	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.386	149	31304	2.230	ng	# 71
91) Dibenzo(a,h)anthracene	26.491	278	924	4.181	ng	# 1

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

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Quant Time: Nov 01 04:51:30 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

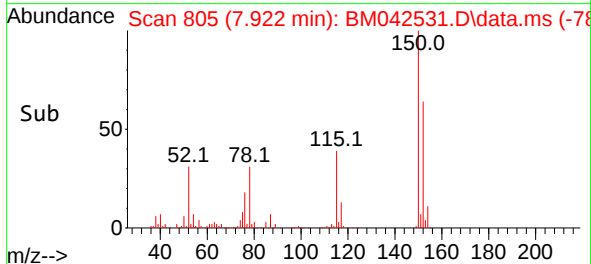
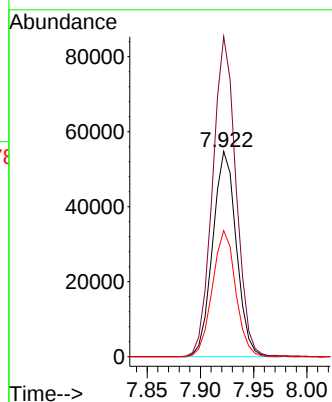
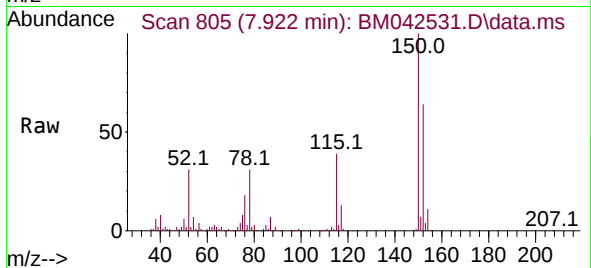




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

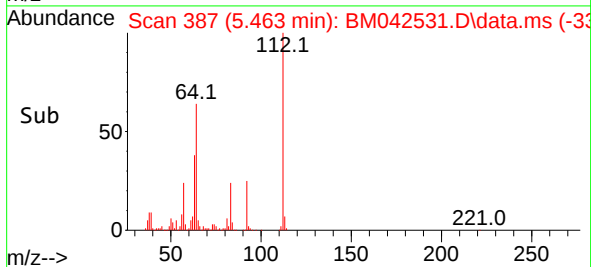
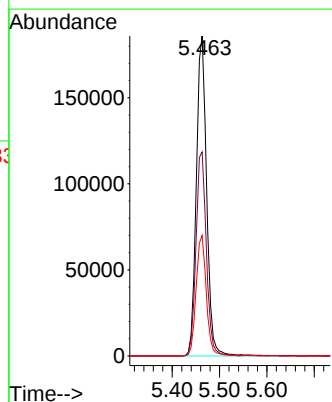
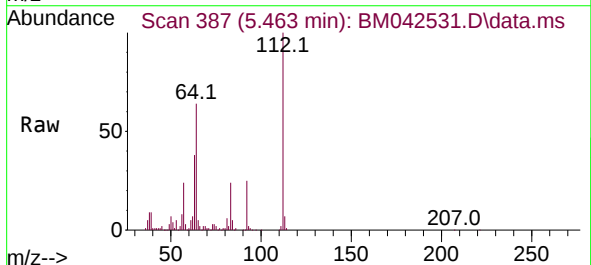
Instrument :
BNA_M
ClientSampleId :
OILY-STONE

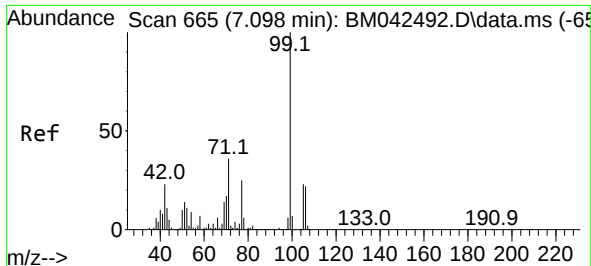
Tgt Ion:152 Resp: 84351
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.0
115 61.4 47.9 71.9



#5
2-Fluorophenol
Concen: 53.852 ng
RT: 5.463 min Scan# 387
Delta R.T. -0.000 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

Tgt Ion:112 Resp: 281461
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 37.6 28.3 42.5

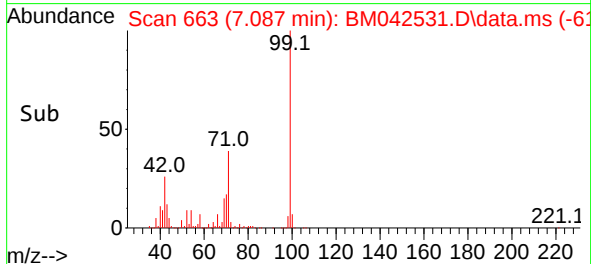
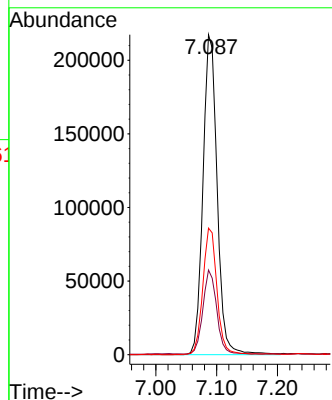
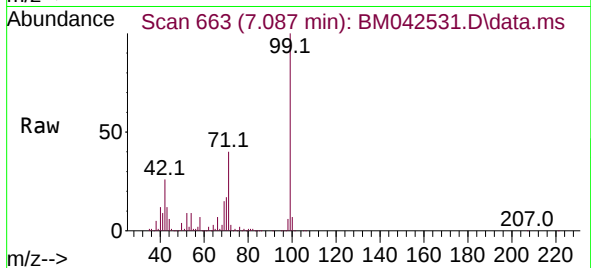




#7
Phenol-d6
Concen: 49.231 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

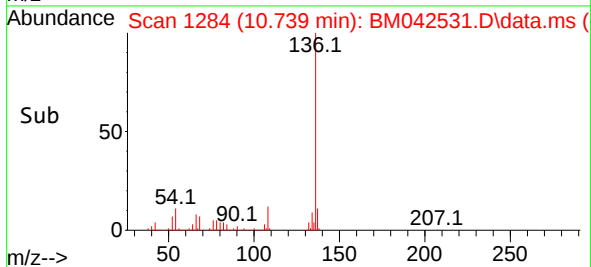
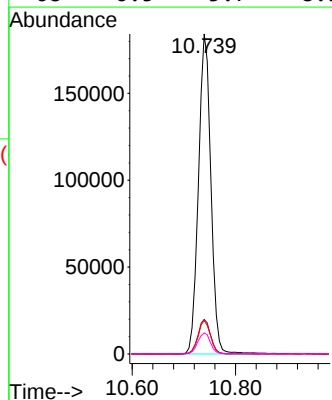
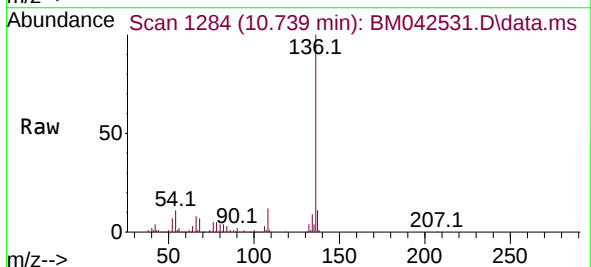
Instrument :
BNA_M
ClientSampleId :
OILY-STONE

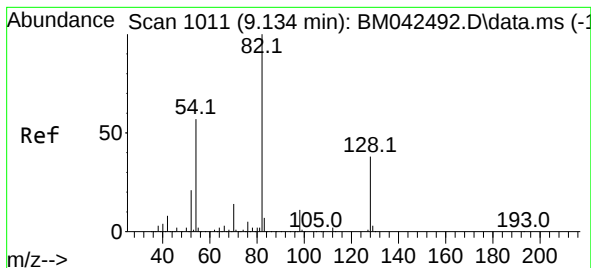
Tgt Ion: 99 Resp: 352889
Ion Ratio Lower Upper
99 100
42 26.5 18.7 28.1
71 39.6 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

Tgt Ion: 136 Resp: 307578
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.5 8.0 12.0
68 6.5 5.7 8.5





#23

Nitrobenzene-d5

Concen: 36.889 ng

RT: 9.122 min Scan# 1109

Delta R.T. -0.012 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

Instrument :

BNA_M

ClientSampleId :

OILY-STONE

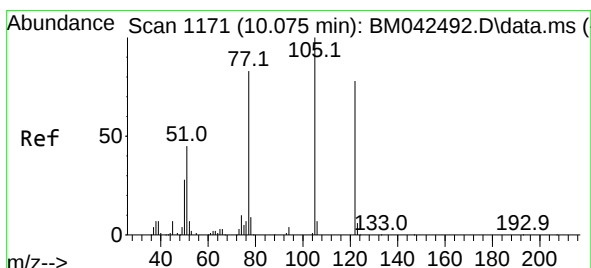
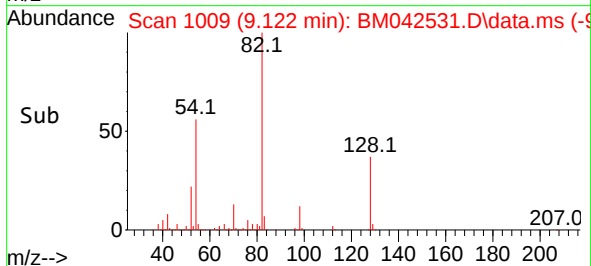
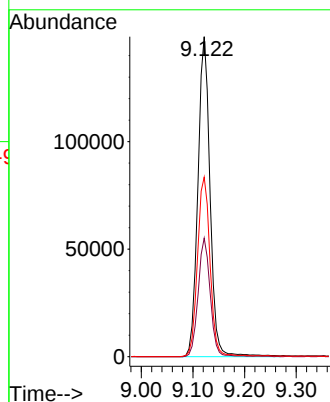
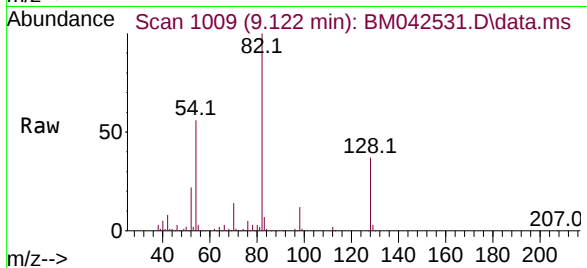
Tgt Ion: 82 Resp: 243399

Ion Ratio Lower Upper

82 100

128 37.1 30.7 46.1

54 56.1 45.3 67.9



#32

Benzoic acid

Concen: 4.299 ng

RT: 9.992 min Scan# 1157

Delta R.T. -0.083 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

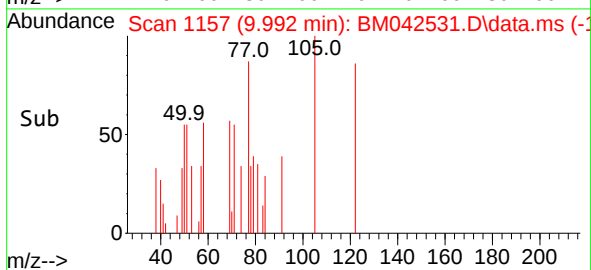
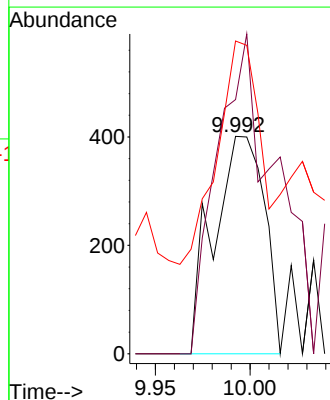
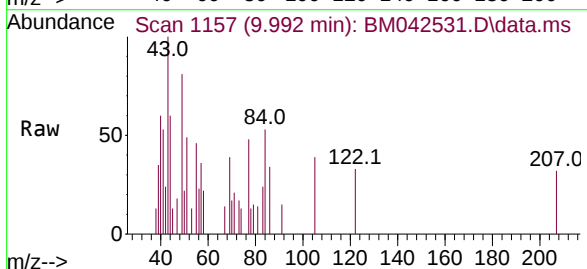
Tgt Ion:122 Resp: 748

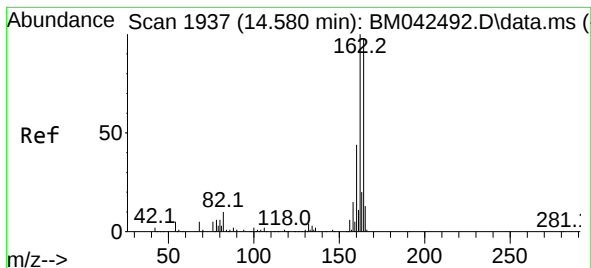
Ion Ratio Lower Upper

122 100

105 117.0 105.2 145.2

77 143.9 84.8 124.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.574 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

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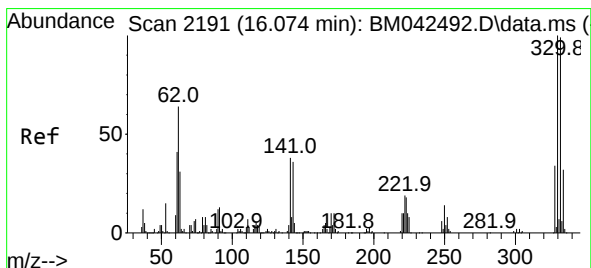
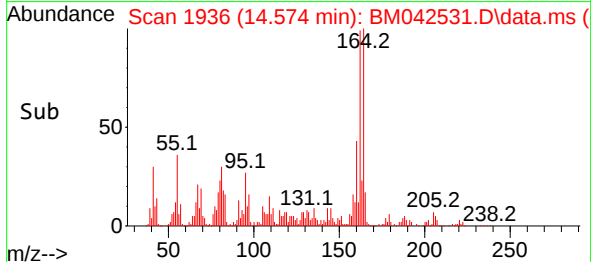
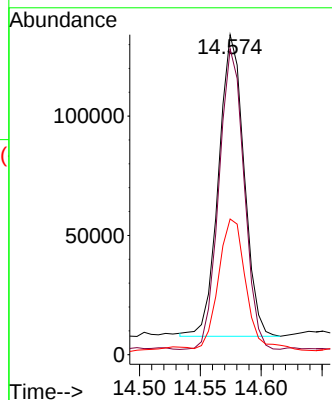
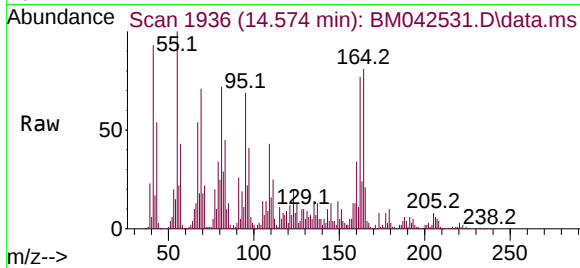
Tgt Ion:164 Resp: 183710

Ion Ratio Lower Upper

164 100

162 95.6 81.6 122.4

160 42.4 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 47.119 ng

RT: 16.086 min Scan# 2193

Delta R.T. 0.012 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

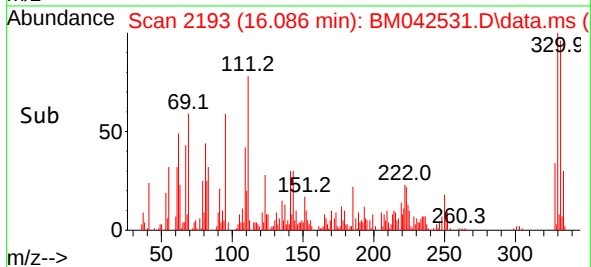
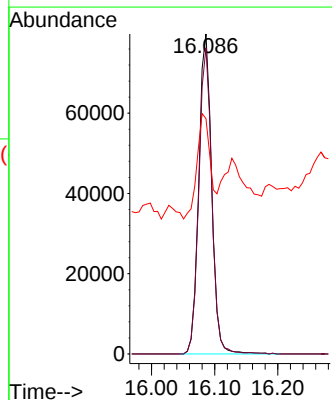
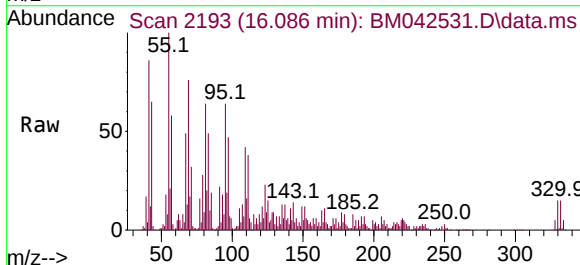
Tgt Ion:330 Resp: 113015

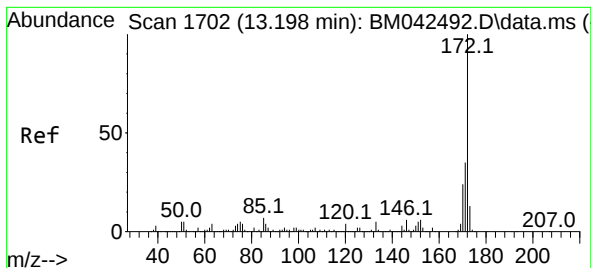
Ion Ratio Lower Upper

330 100

332 96.3 78.8 118.2

141 34.5 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 36.781 ng

RT: 13.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

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OILY-STONE

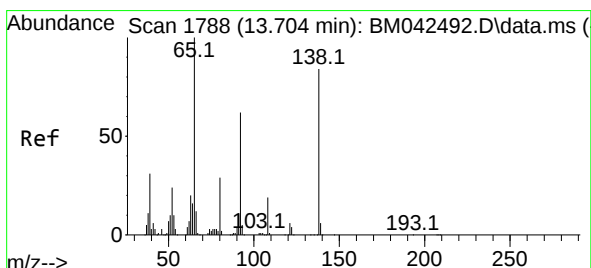
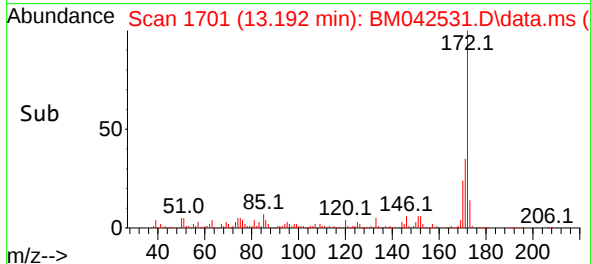
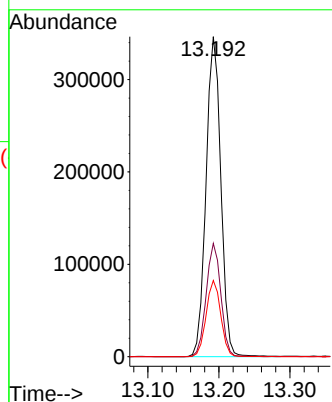
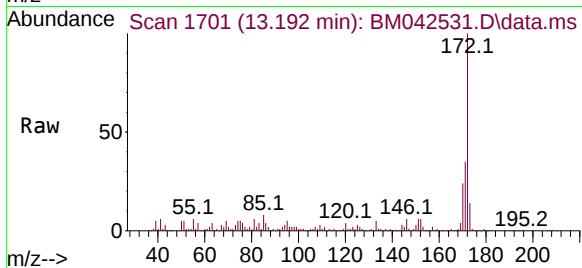
Tgt Ion:172 Resp: 502157

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 5.036 ng

RT: 13.669 min Scan# 1782

Delta R.T. -0.035 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

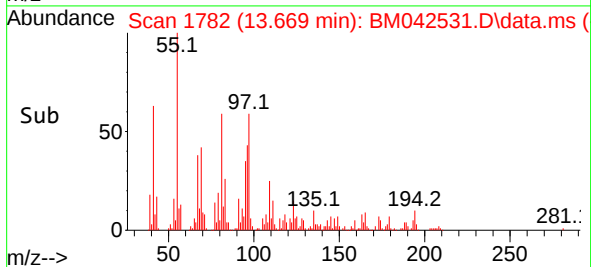
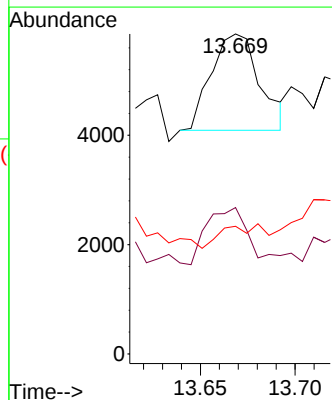
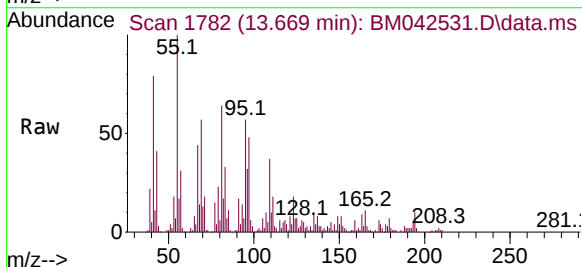
Tgt Ion: 65 Resp: 3133

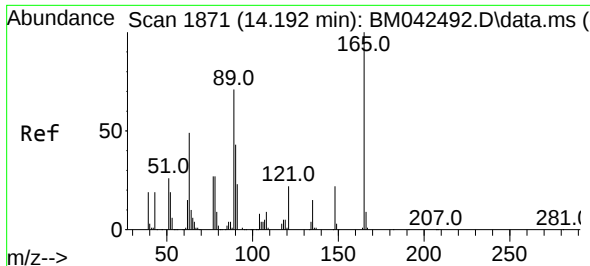
Ion Ratio Lower Upper

65 100

92 45.7 49.4 74.2#

138 39.9 66.9 100.3#

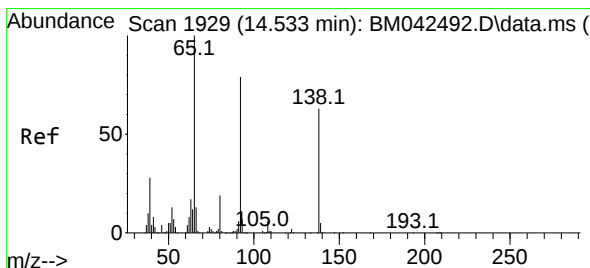
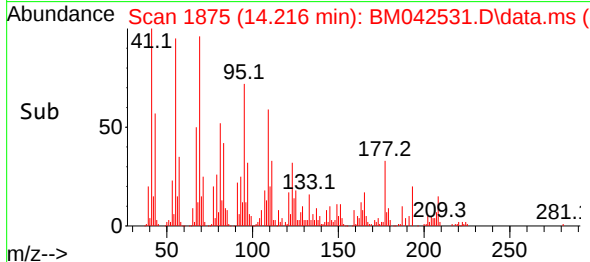
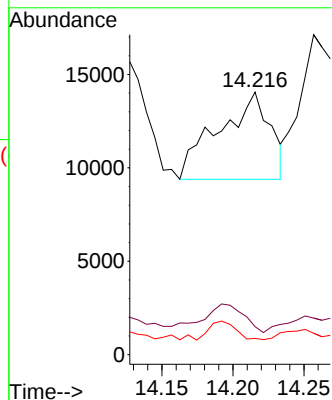
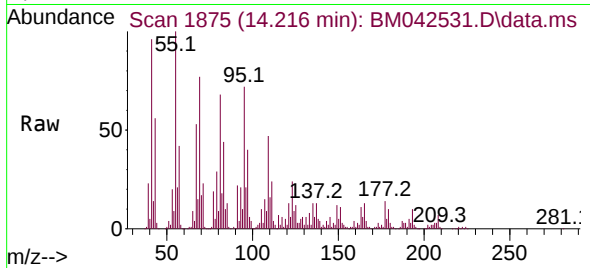




#51
2,6-Dinitrotoluene
Concen: 4.176 ng
RT: 14.216 min Scan# 1871
Delta R.T. 0.024 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

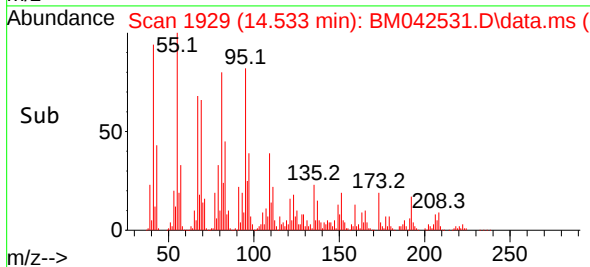
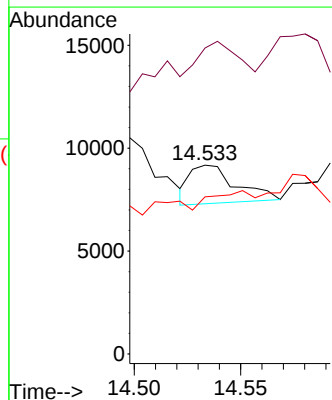
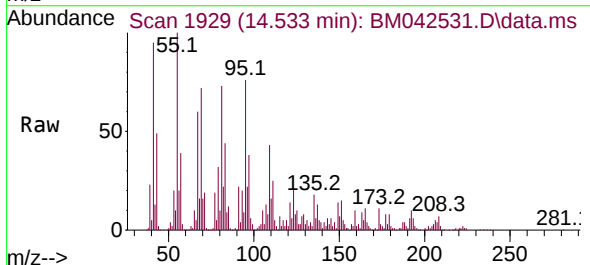
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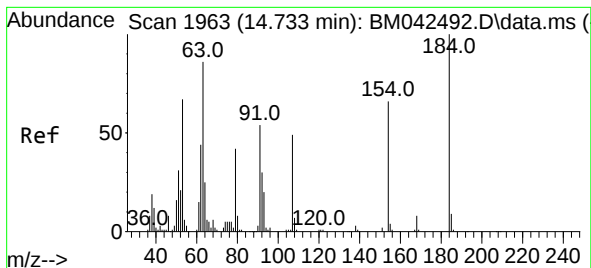
Tgt Ion:165 Resp: 11816
Ion Ratio Lower Upper
165 100
63 10.7 59.4 89.0#
89 6.2 57.0 85.6#



#53
3-Nitroaniline
Concen: 5.164 ng
RT: 14.533 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

Tgt Ion:138 Resp: 2834
Ion Ratio Lower Upper
138 100
108 162.0 7.9 11.9#
92 83.2 100.7 151.1#





#54

2,4-Dinitrophenol

Concen: 7.827 ng

RT: 14.721 min Scan# 1963

Delta R.T. -0.012 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

Instrument :

BNA_M

ClientSampleId :

OILY-STONE

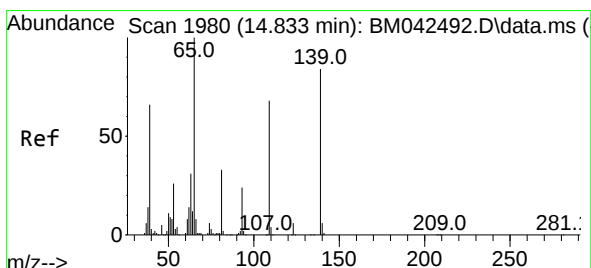
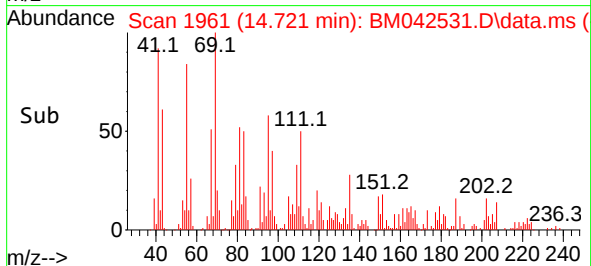
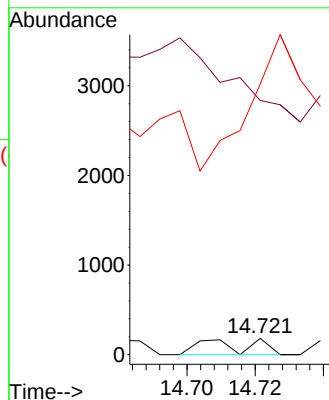
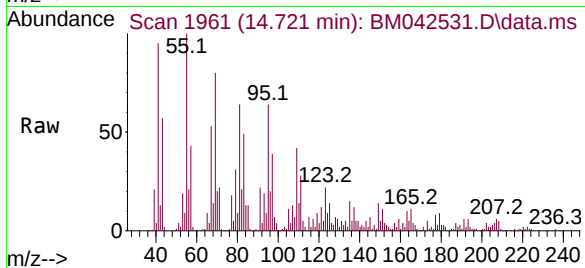
Tgt Ion:184 Resp: 177

Ion Ratio Lower Upper

184 100

63 1550.3 69.2 103.8#

154 1649.2 53.2 79.8#



#56

4-Nitrophenol

Concen: 7.303 ng

RT: 14.827 min Scan# 1979

Delta R.T. -0.006 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

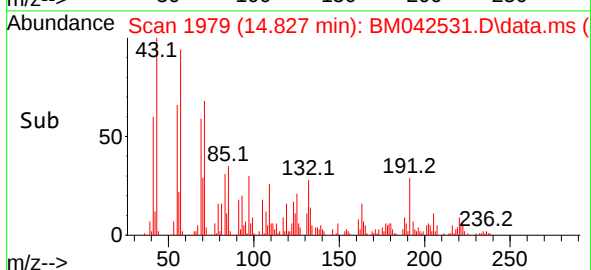
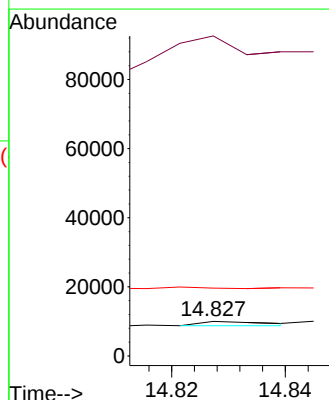
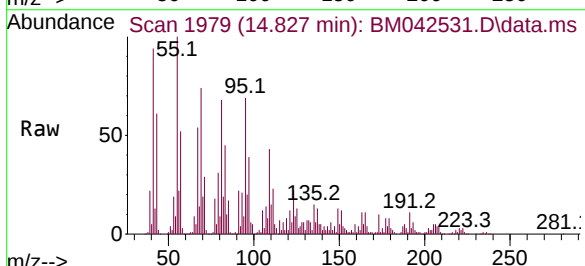
Tgt Ion:139 Resp: 983

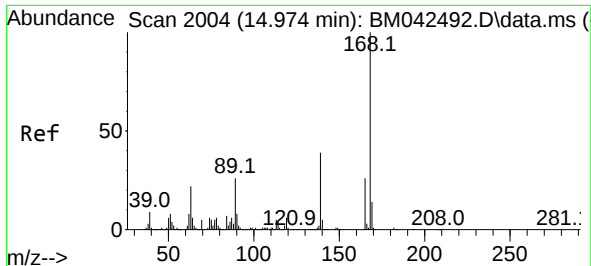
Ion Ratio Lower Upper

139 100

109 925.8 61.3 101.3#

65 196.3 100.2 140.2#

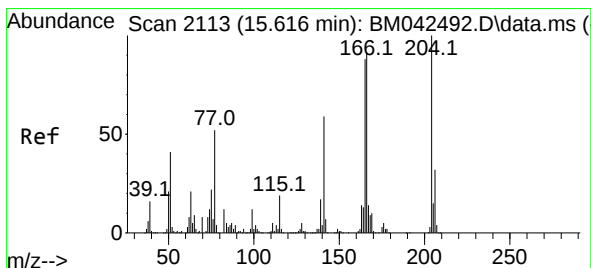
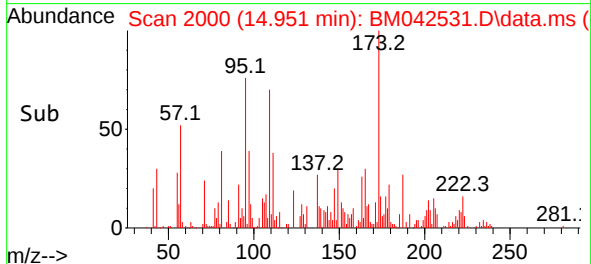
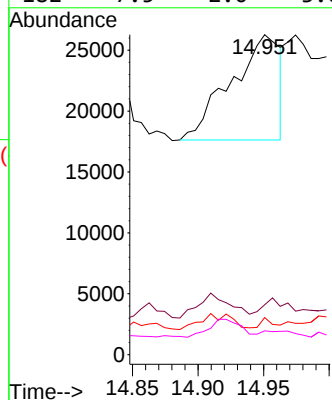
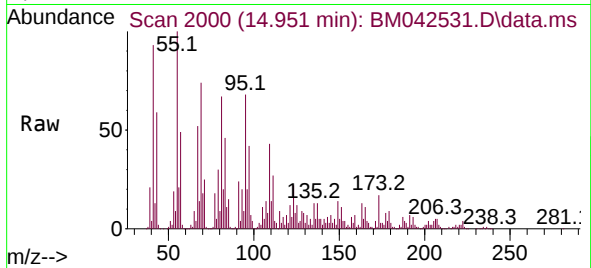




#57
2,4-Dinitrotoluene
Concen: 8.770 ng
RT: 14.951 min Scan# 20
Delta R.T. -0.023 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

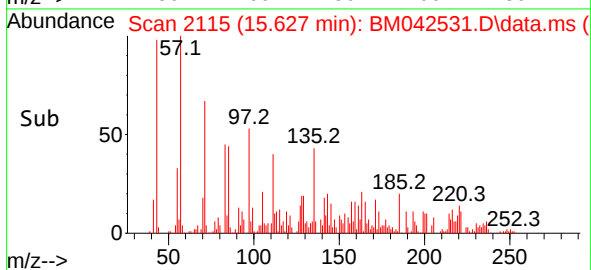
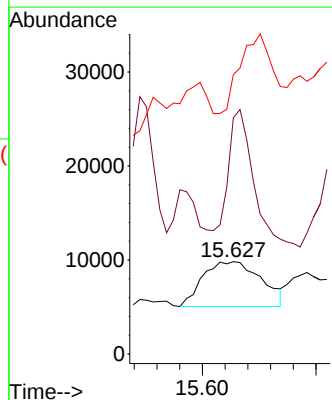
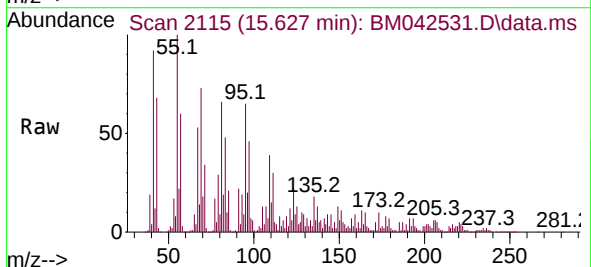
Instrument :
BNA_M
ClientSampleId :
OILY-STONE

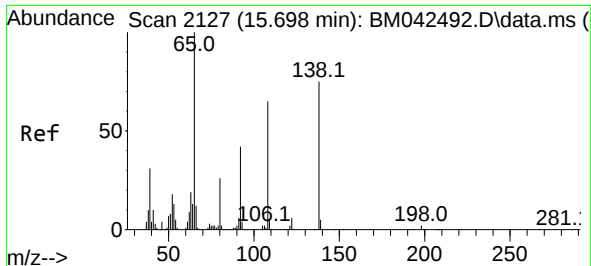
Tgt Ion:165 Resp: 22435
Ion Ratio Lower Upper
165 100
63 15.6 66.7 100.1#
89 11.6 80.2 120.4#
182 7.5 2.0 3.0#



#61
4-Chlorophenyl-phenylether
Concen: 2.477 ng
RT: 15.627 min Scan# 2115
Delta R.T. 0.012 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

Tgt Ion:204 Resp: 17049
Ion Ratio Lower Upper
204 100
206 256.0 25.9 38.9#
141 302.5 46.8 70.2#

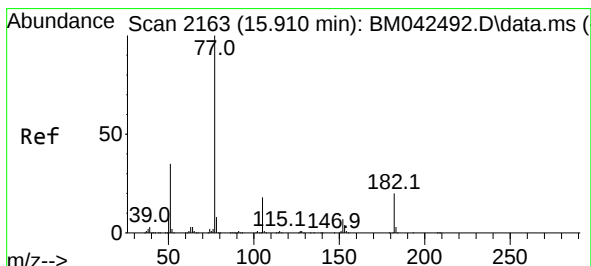
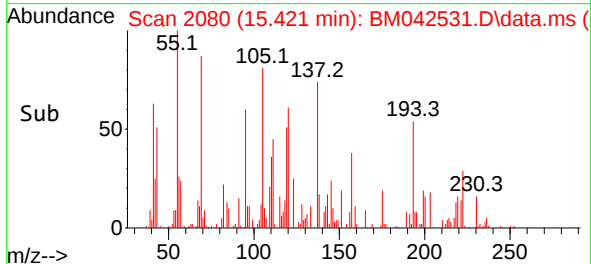
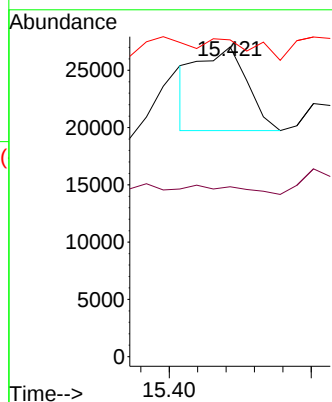
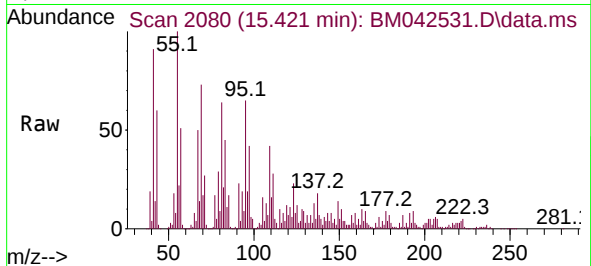




#62
4-Nitroaniline
Concen: 8.481 ng
RT: 15.421 min Scan# 2080
Delta R.T. -0.277 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

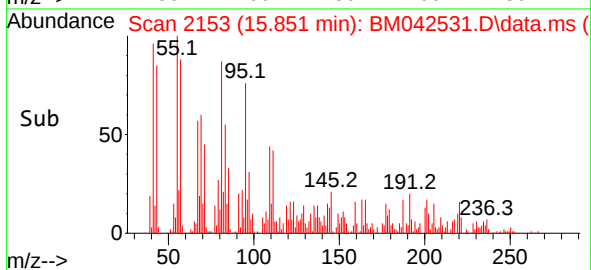
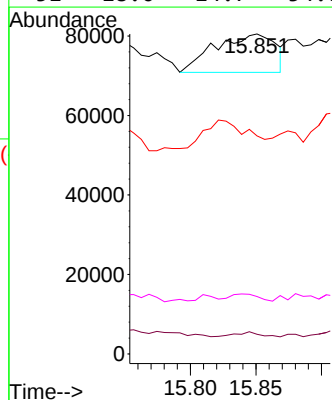
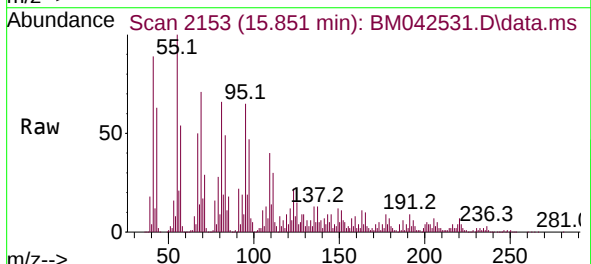
Instrument :
BNA_M
ClientSampleId :
OILY-STONE

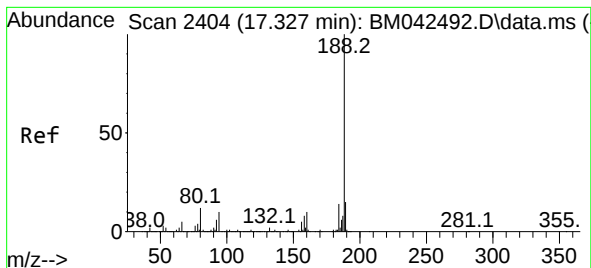
Tgt Ion:138 Resp: 8828
Ion Ratio Lower Upper
138 100
92 54.8 37.0 77.0
108 102.2 67.2 107.2



#63
Azobenzene
Concen: 2.018 ng
RT: 15.851 min Scan# 2153
Delta R.T. -0.059 min
Lab File: BM042531.D
Acq: 01 Nov 2023 03:25

Tgt Ion: 77 Resp: 30933
Ion Ratio Lower Upper
77 100
182 6.1 0.0 40.0
105 68.2 0.0 37.9#
51 18.0 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.357 min Scan# 2409

Delta R.T. 0.030 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

Instrument :

BNA_M

ClientSampleId :

OILY-STONE

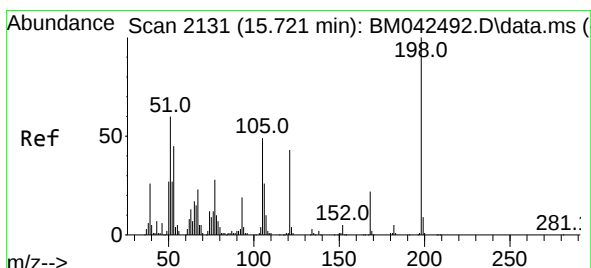
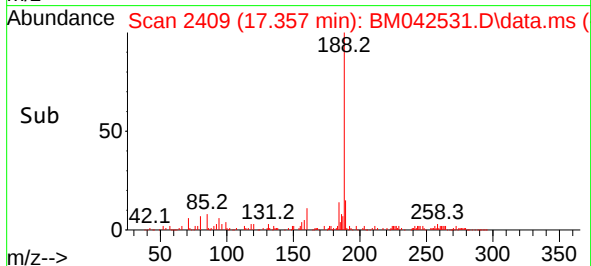
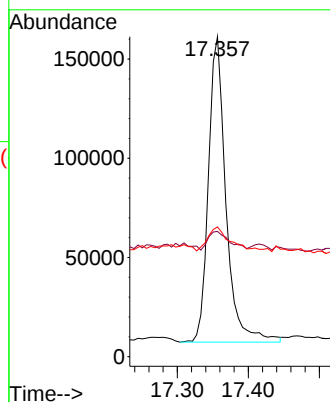
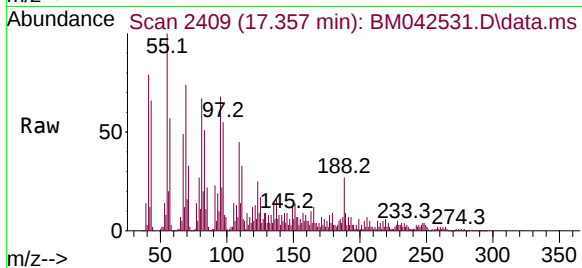
Tgt Ion:188 Resp: 263619

Ion Ratio Lower Upper

188 100

94 39.1 8.2 12.4#

80 40.5 9.4 14.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.592 ng

RT: 15.739 min Scan# 2134

Delta R.T. 0.018 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

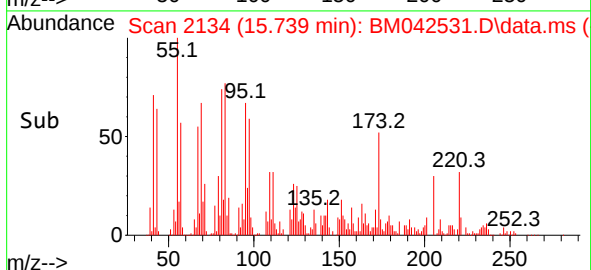
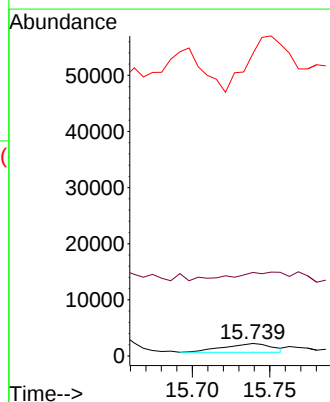
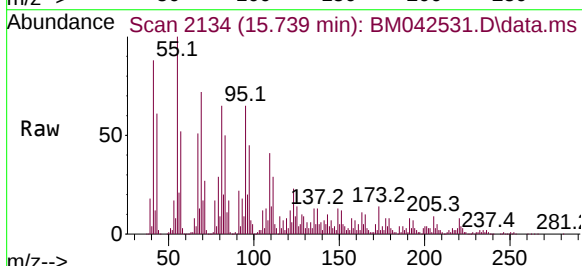
Tgt Ion:198 Resp: 3391

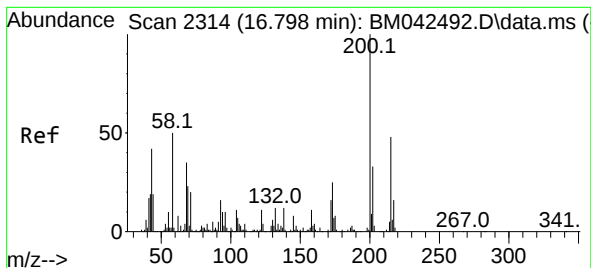
Ion Ratio Lower Upper

198 100

51 672.4 42.4 82.4#

105 2432.2 29.2 69.2#





#69

Atrazine

Concen: 12.816 ng

RT: 16.827 min Scan# 21

Delta R.T. 0.029 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

Instrument :

BNA_M

ClientSampleId :

OILY-STONE

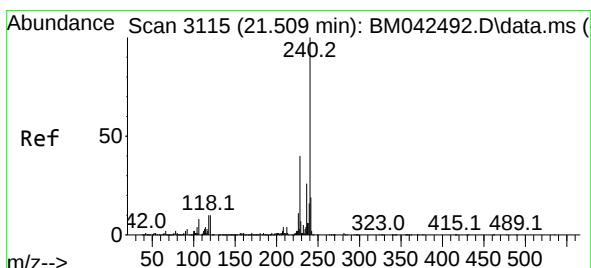
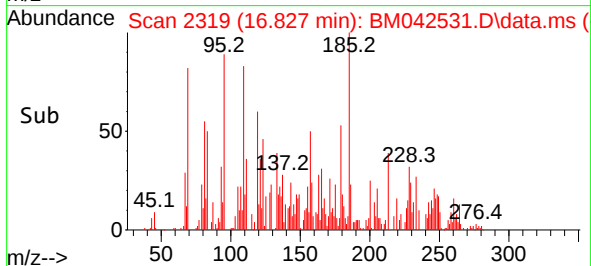
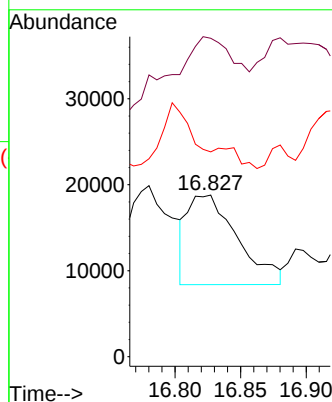
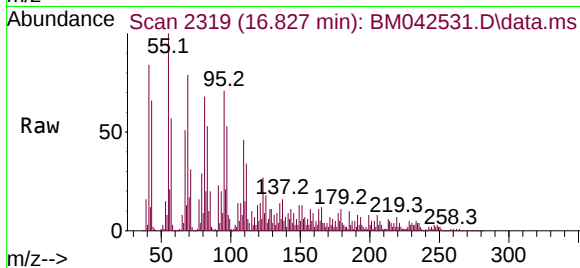
Tgt Ion:200 Resp: 27526

Ion Ratio Lower Upper

200 100

173 197.0 5.4 45.4#

215 126.7 27.9 67.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3119

Delta R.T. 0.023 min

Lab File: BM042531.D

Acq: 01 Nov 2023 03:25

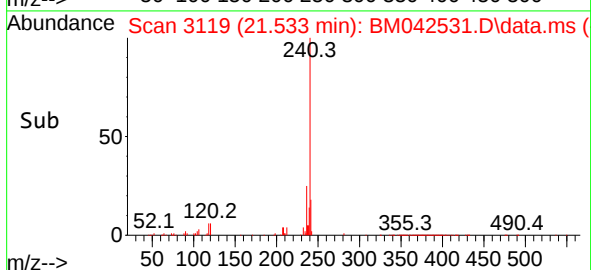
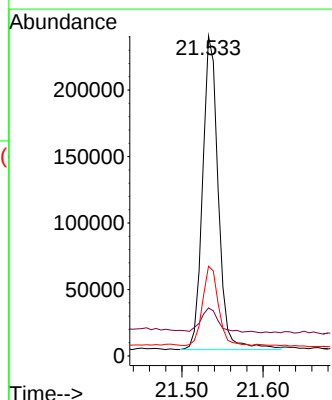
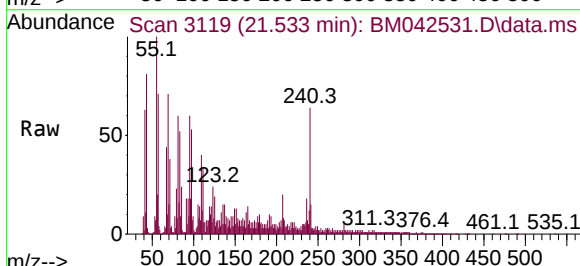
Tgt Ion:240 Resp: 316721

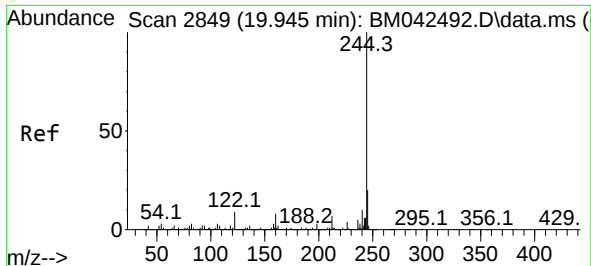
Ion Ratio Lower Upper

240 100

120 15.0 8.3 12.5#

236 28.1 20.8 31.2

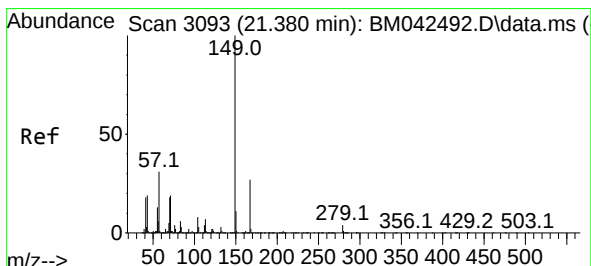
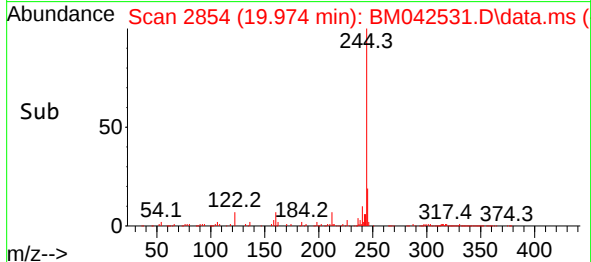
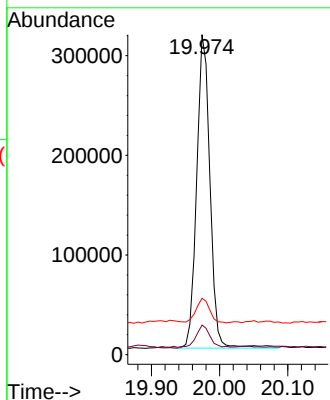
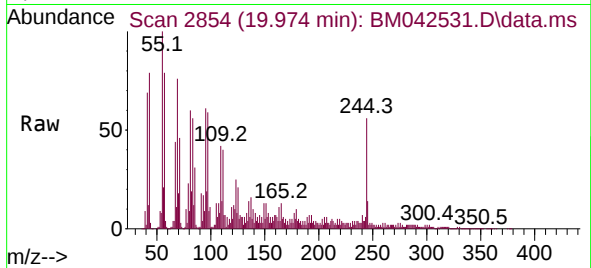




#79
 Terphenyl-d14
 Concen: 22.745 ng
 RT: 19.974 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BM042531.D
 Acq: 01 Nov 2023 03:25

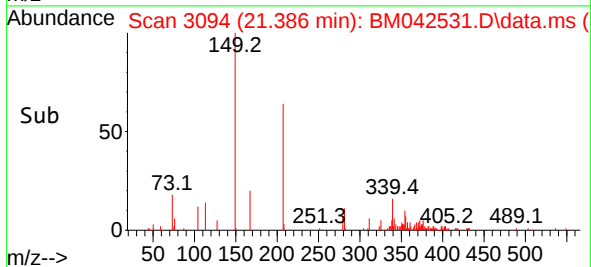
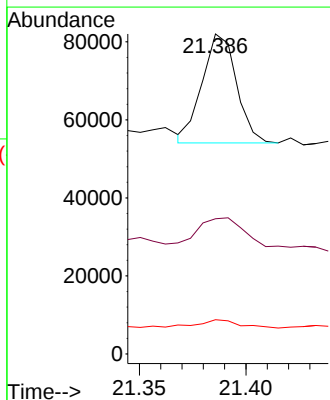
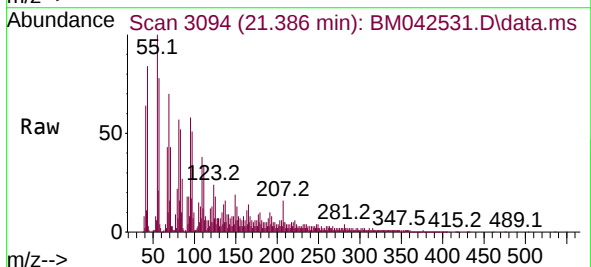
Instrument :
 BNA_M
 ClientSampleId :
 OILY-STONE

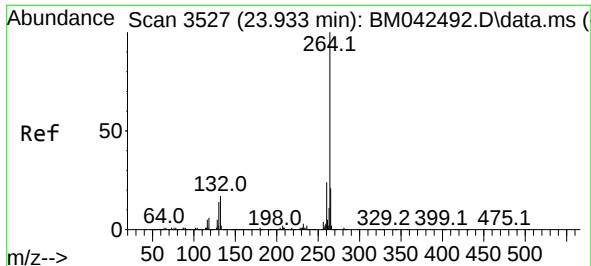
Tgt Ion:244 Resp: 424851
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.4 8.2#
 122 17.6 7.2 10.8#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.230 ng
 RT: 21.386 min Scan# 3094
 Delta R.T. 0.006 min
 Lab File: BM042531.D
 Acq: 01 Nov 2023 03:25

Tgt Ion:149 Resp: 31304
 Ion Ratio Lower Upper
 149 100
 167 42.2 21.4 32.0#
 279 10.7 3.4 5.2#

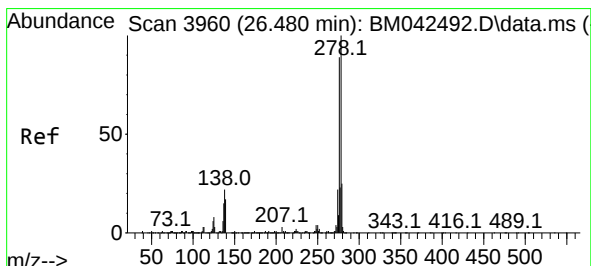
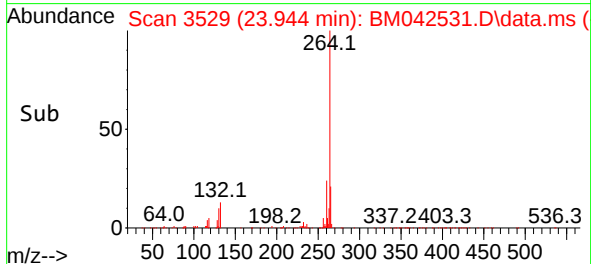
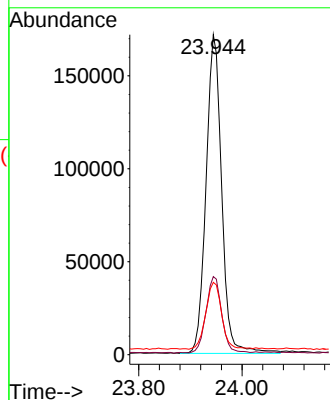
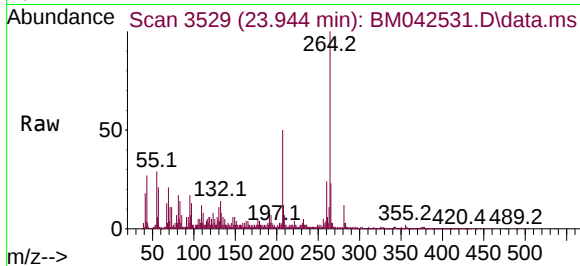




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.944 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BM042531.D
 Acq: 01 Nov 2023 03:25

Instrument :
 BNA_M
 ClientSampleId :
 OILY-STONE

Tgt Ion:264 Resp: 360291
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 22.6 18.7 28.1



#91
 Dibenzo(a,h)anthracene
 Concen: 4.181 ng
 RT: 26.491 min Scan# 3962
 Delta R.T. 0.011 min
 Lab File: BM042531.D
 Acq: 01 Nov 2023 03:25

Tgt Ion:278 Resp: 924
 Ion Ratio Lower Upper
 278 100
 139 150.1 13.4 20.2#
 279 100.1 19.7 29.5#

