

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042435.D
 Acq On : 25 Oct 2023 13:32
 Operator : MA/JU
 Sample : 04960-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VAUX-SLUDGE

Quant Time: Oct 25 14:05:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

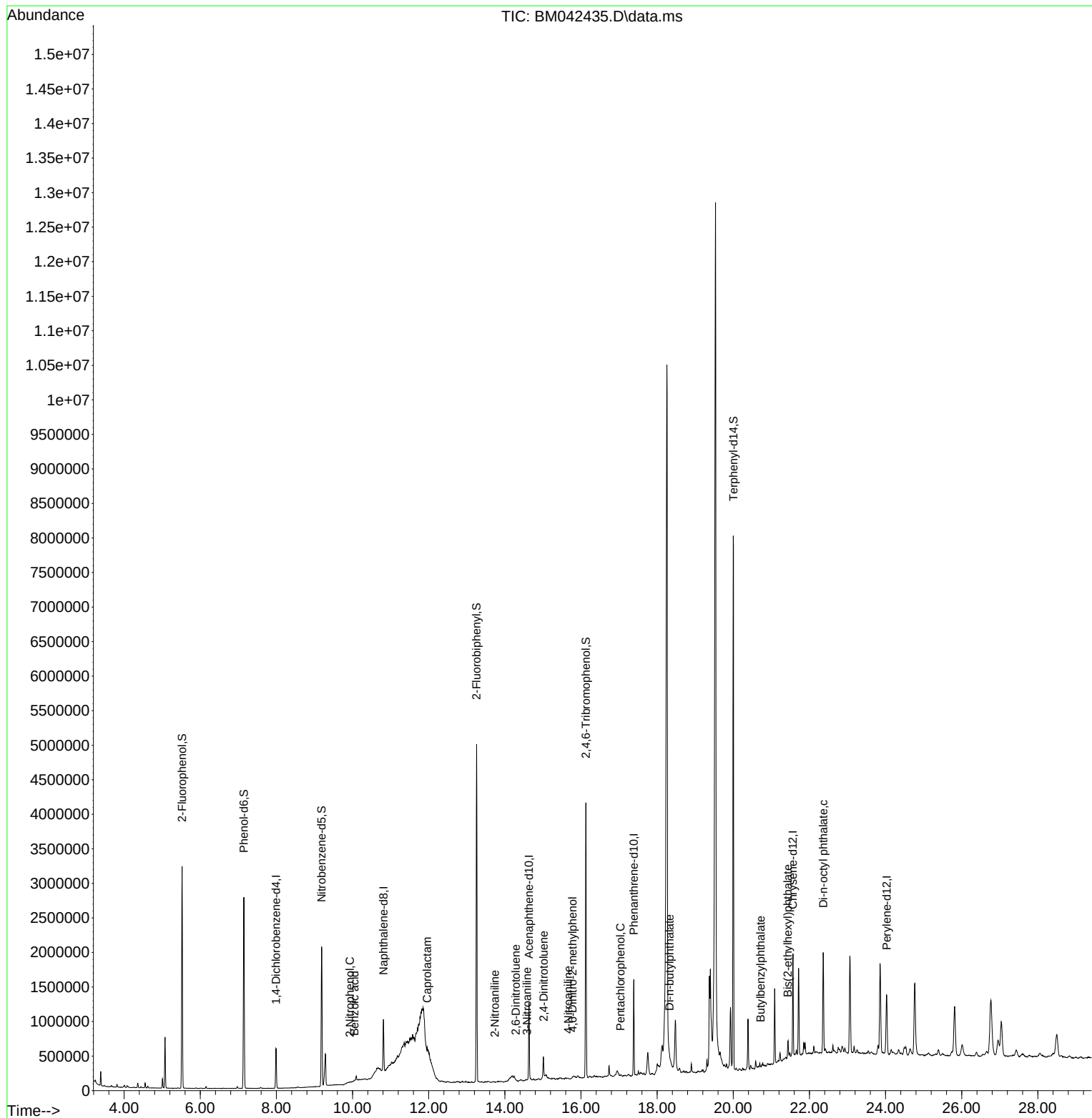
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	144973	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	573444	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	351045	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	767913	20.000	ng	-0.01
76) Chrysene-d12	21.568	240	645401	20.000	ng	-0.01
86) Perylene-d12	24.027	264	685376	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1241091	120.992	ng	0.00
7) Phenol-d6	7.145	99	1488640	108.292	ng	0.00
23) Nitrobenzene-d5	9.186	82	1161688	89.580	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	692454	175.157	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	2387121	91.570	ng	-0.01
79) Terphenyl-d14	20.003	244	3728956	102.468	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.934	139	121	2.730	ng	# 1
32) Benzoic acid	10.045	122	3845	5.846	ng	# 75
35) Caprolactam	11.957	113	2312	6.585	ng	# 1
48) 2-Nitroaniline	13.733	65	207	3.661	ng	# 38
51) 2,6-Dinitrotoluene	14.292	165	154	2.912	ng	# 92
53) 3-Nitroaniline	14.586	138	65	3.274	ng	# 48
57) 2,4-Dinitrotoluene	15.021	165	183	4.085	ng	# 80
62) 4-Nitroaniline	15.663	138	269	3.838	ng	# 93
65) 4,6-Dinitro-2-methylph...	15.774	198	58	6.095	ng	# 1
70) Pentachlorophenol	17.033	266	56	5.994	ng	# 19
74) Di-n-butylphthalate	18.327	149	6486	2.942	ng	# 91
80) Butylbenzylphthalate	20.715	149	430	3.278	ng	# 85
84) Bis(2-ethylhexyl)phtha...	21.433	149	47313	4.882	ng	# 77
85) Di-n-octyl phthalate	22.362	149	1959	4.254	ng	# 1

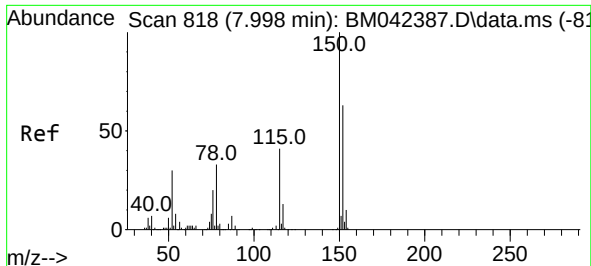
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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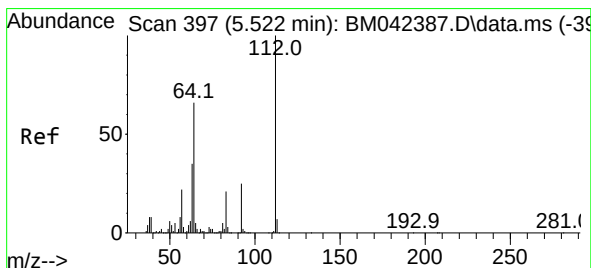
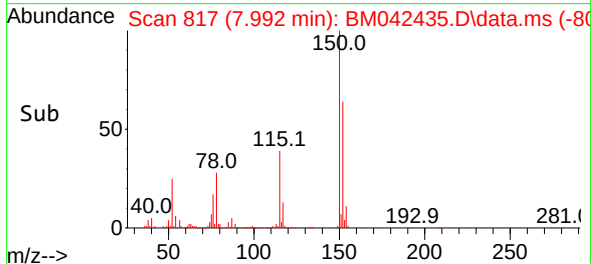
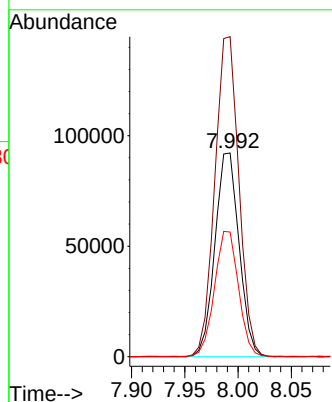
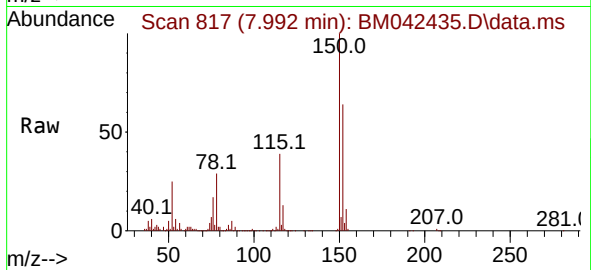




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

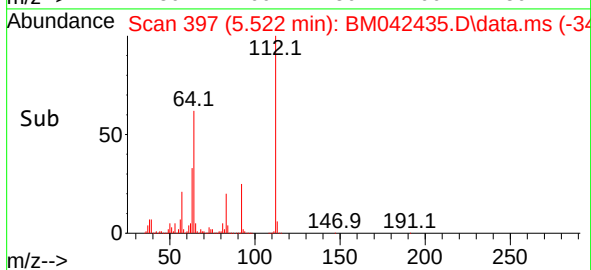
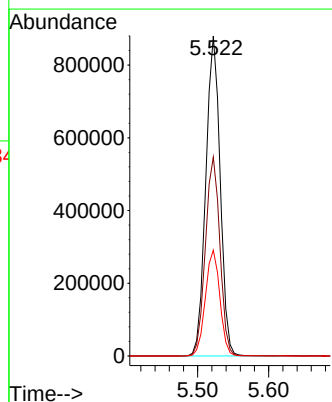
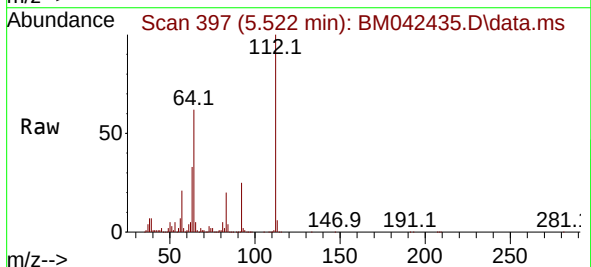
Instrument :
BNA_M
ClientSampleId :
VAUX-SLUDGE

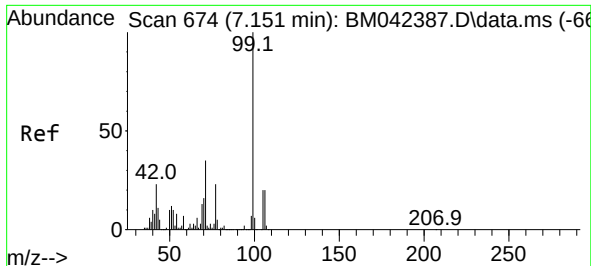
Tgt Ion:152 Resp: 144973
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.4
115 61.2 51.9 77.9



#5
2-Fluorophenol
Concen: 120.992 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion:112 Resp: 1241091
Ion Ratio Lower Upper
112 100
64 62.2 52.7 79.1
63 33.0 28.3 42.5

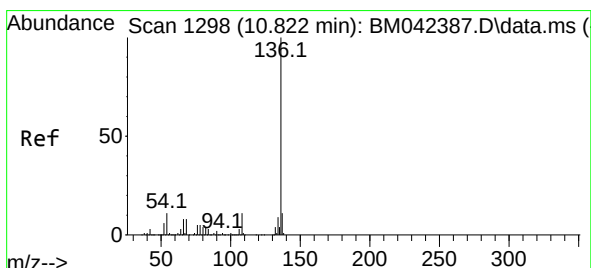
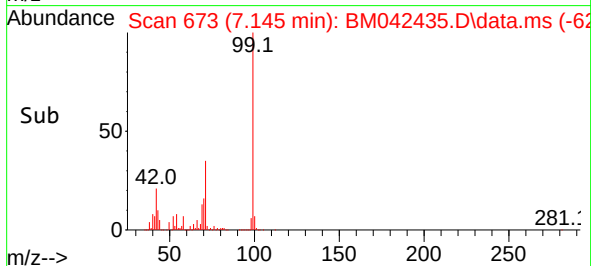
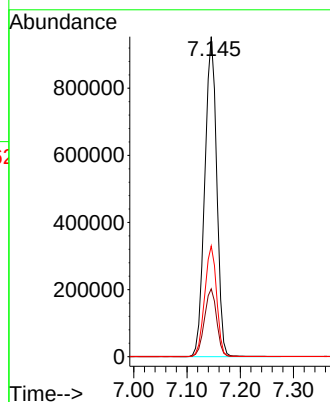
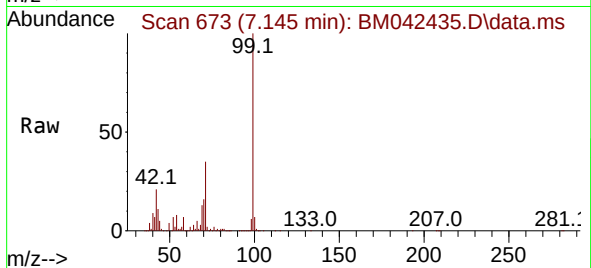




#7
Phenol-d6
Concen: 108.292 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

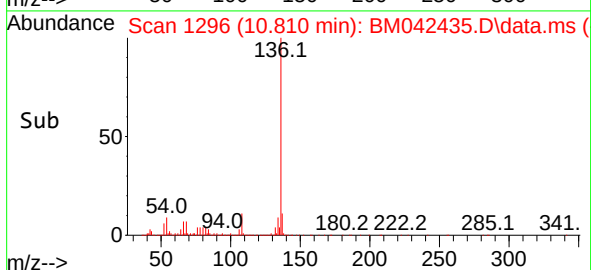
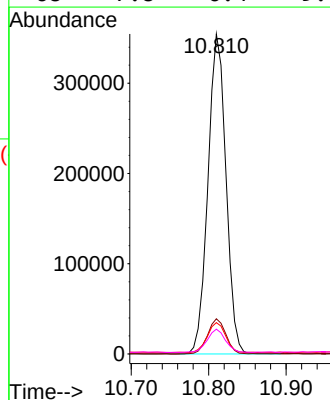
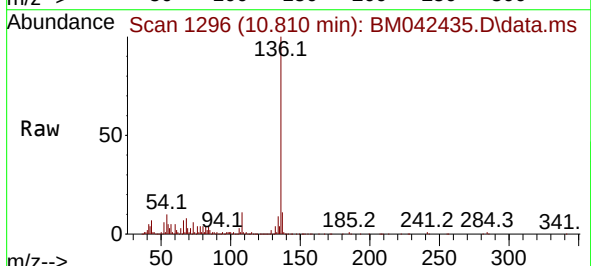
Instrument :
BNA_M
ClientSampleId :
VAUX-SLUDGE

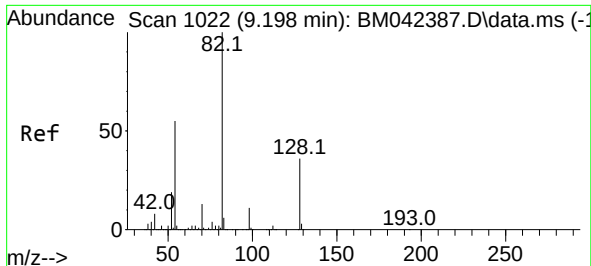
Tgt Ion: 99 Resp: 1488640
Ion Ratio Lower Upper
99 100
42 21.2 18.5 27.7
71 34.6 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion: 136 Resp: 573444
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.8 8.6 12.8
68 7.8 6.4 9.6

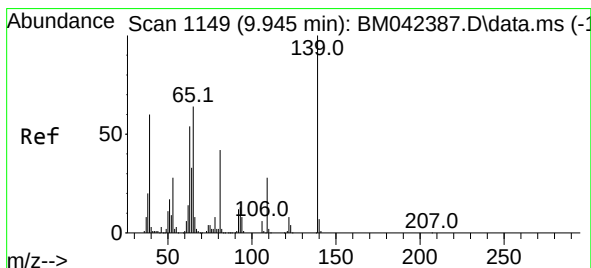
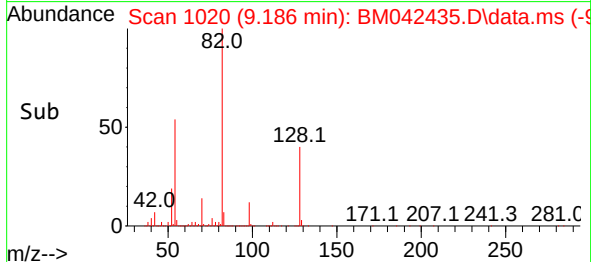
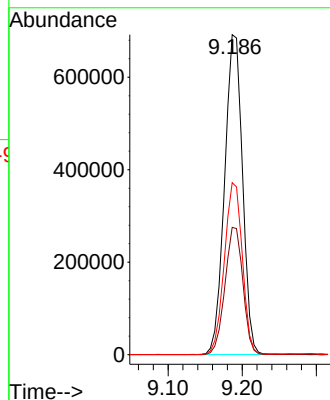
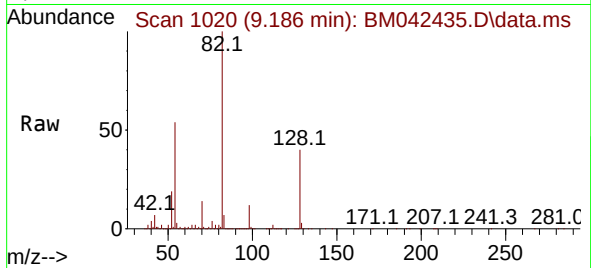




#23
Nitrobenzene-d5
Concen: 89.580 ng
RT: 9.186 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

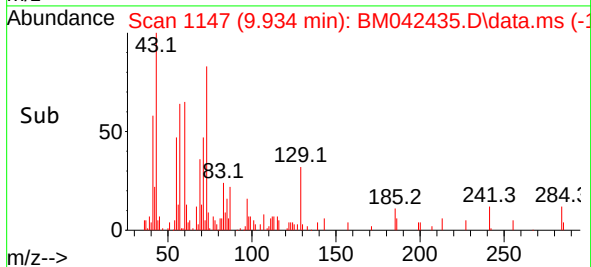
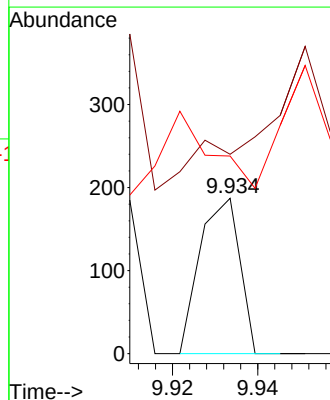
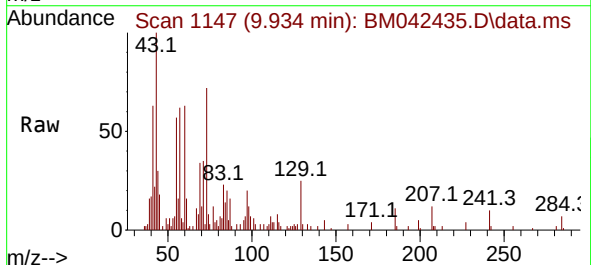
Instrument :
BNA_M
ClientSampleId :
VAUX-SLUDGE

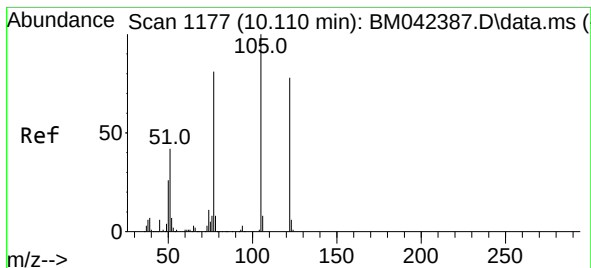
Tgt Ion: 82 Resp: 1161688
Ion Ratio Lower Upper
82 100
128 39.8 29.0 43.6
54 53.8 43.7 65.5



#26
2-Nitrophenol
Concen: 2.730 ng
RT: 9.934 min Scan# 1147
Delta R.T. -0.011 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion:139 Resp: 121
Ion Ratio Lower Upper
139 100
109 128.3 22.3 33.5#
65 127.3 51.1 76.7#





#32

Benzoic acid

Concen: 5.846 ng

RT: 10.045 min Scan# 1177

Delta R.T. -0.065 min

Lab File: BM042435.D

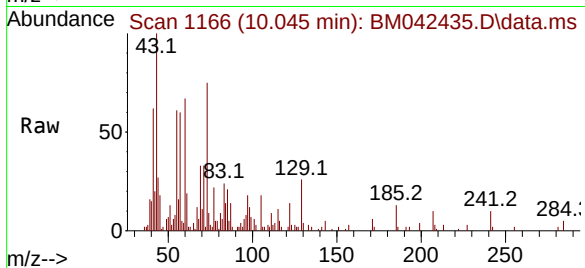
Acq: 25 Oct 2023 13:32

Instrument :

BNA_M

ClientSampleId :

VAUX-SLUDGE



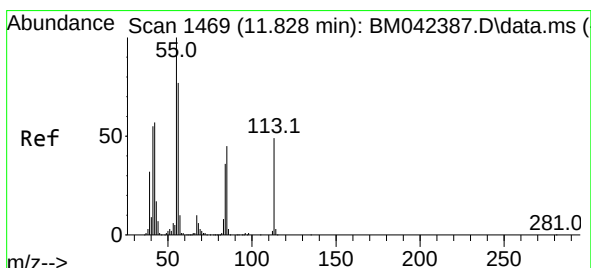
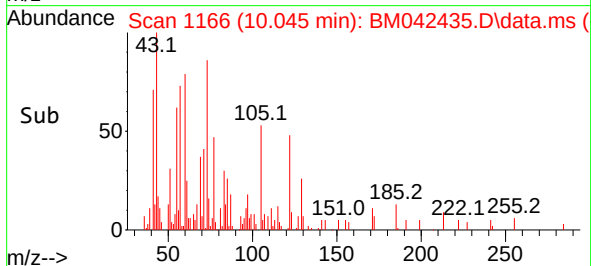
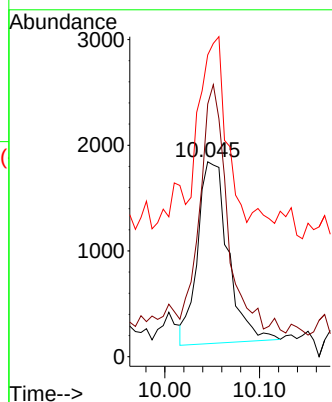
Tgt Ion:122 Resp: 3845

Ion Ratio Lower Upper

122 100

105 129.7 104.9 144.9

77 154.9 83.4 123.4#



#35

Caprolactam

Concen: 6.585 ng

RT: 11.957 min Scan# 1491

Delta R.T. 0.129 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

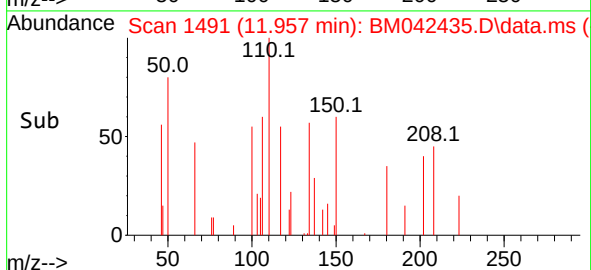
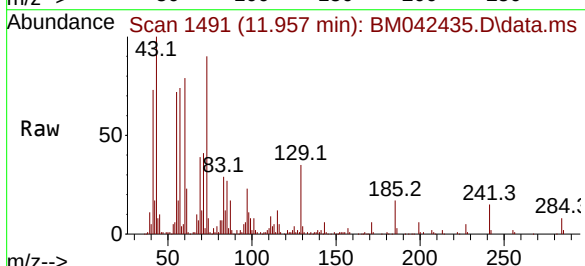
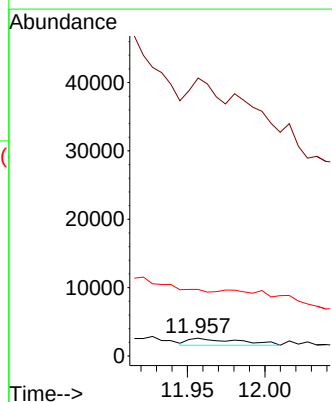
Tgt Ion:113 Resp: 2312

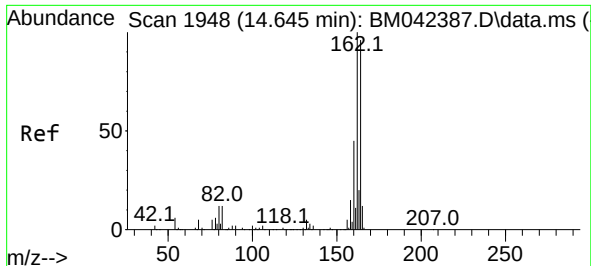
Ion Ratio Lower Upper

113 100

55 1562.5 185.6 225.6#

56 373.8 137.8 177.8#

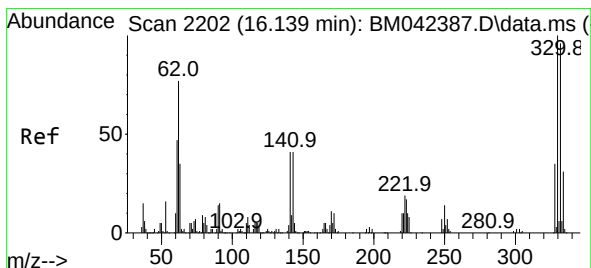
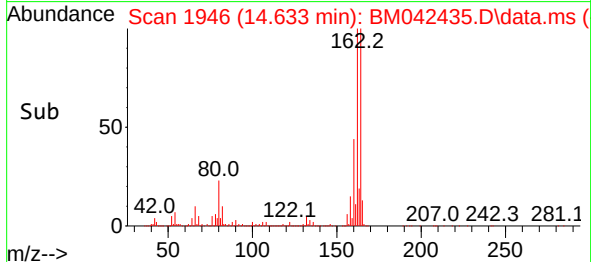
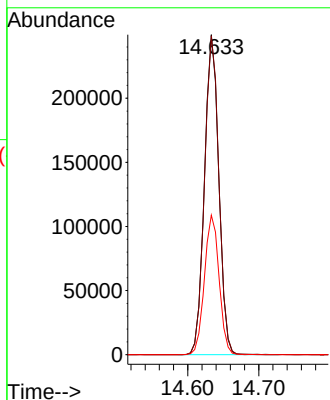
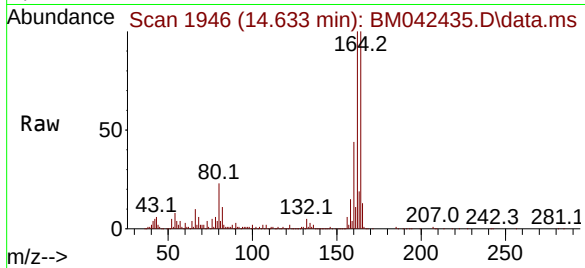




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

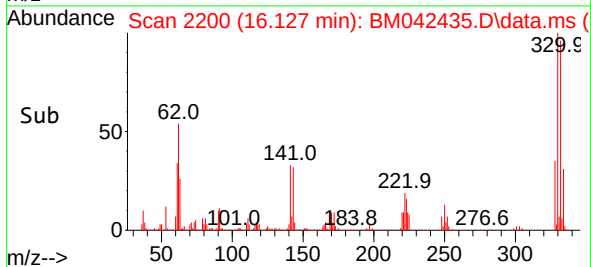
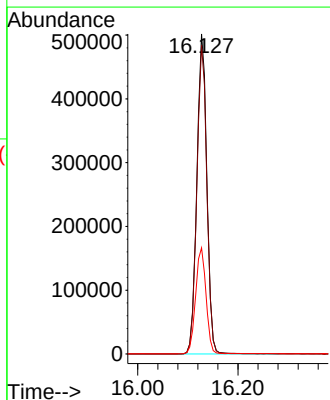
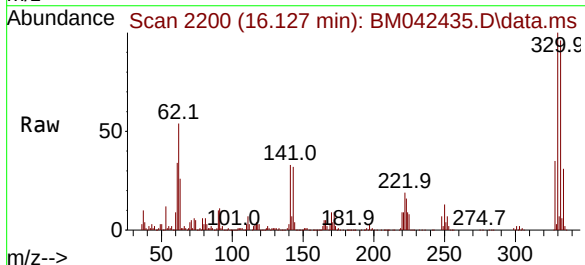
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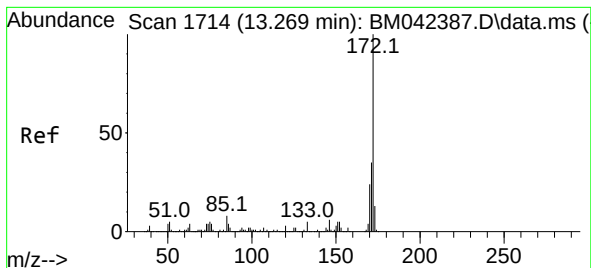
Tgt Ion:164 Resp: 351045
Ion Ratio Lower Upper
164 100
162 99.7 83.0 124.4
160 43.6 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 175.157 ng
RT: 16.127 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion:330 Resp: 692454
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 34.5 38.0 57.0#





#45

2-Fluorobiphenyl

Concen: 91.570 ng

RT: 13.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

Instrument :

BNA_M

ClientSampleId :

VAUX-SLUDGE

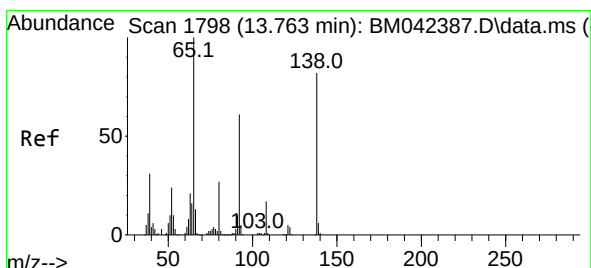
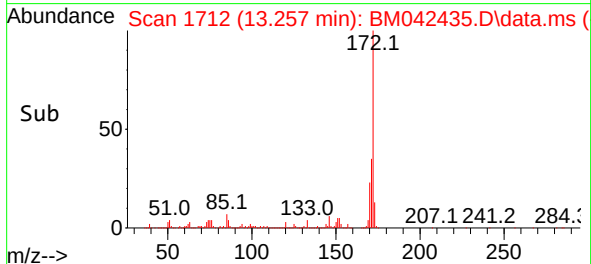
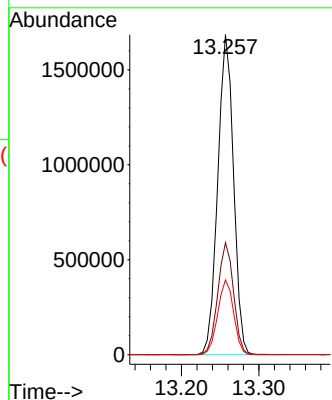
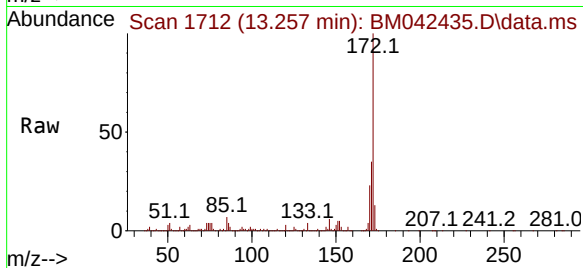
Tgt Ion:172 Resp: 2387121

Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 23.4 18.9 28.3



#48

2-Nitroaniline

Concen: 3.661 ng

RT: 13.733 min Scan# 1793

Delta R.T. -0.030 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

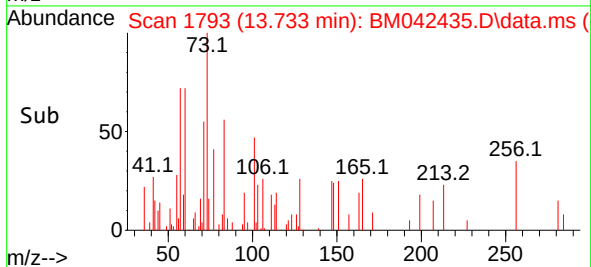
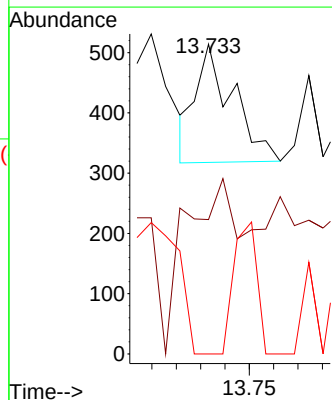
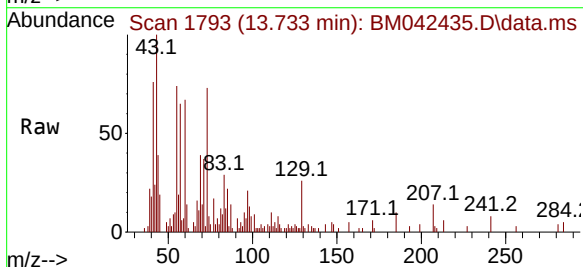
Tgt Ion: 65 Resp: 207

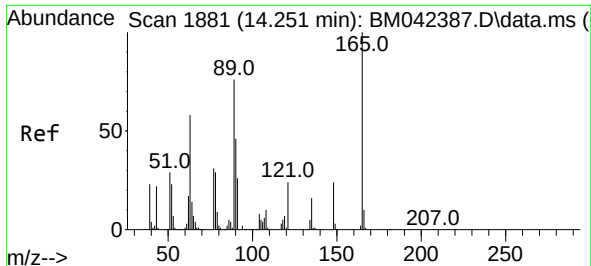
Ion Ratio Lower Upper

65 100

92 43.4 49.0 73.6#

138 0.0 65.5 98.3#

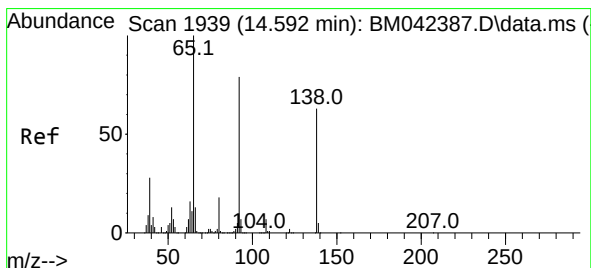
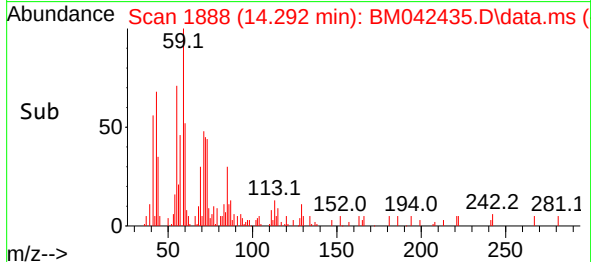
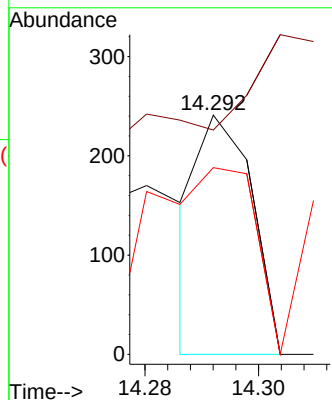
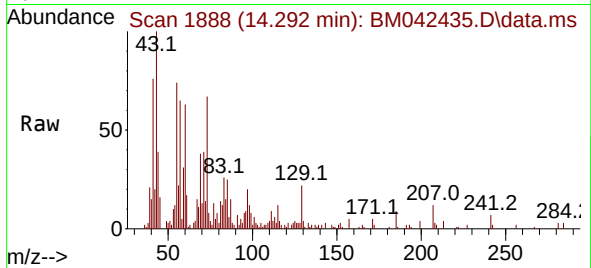




#51
2,6-Dinitrotoluene
Concen: 2.912 ng
RT: 14.292 min Scan# 1881
Delta R.T. 0.041 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

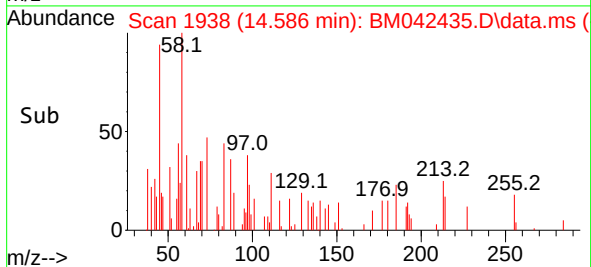
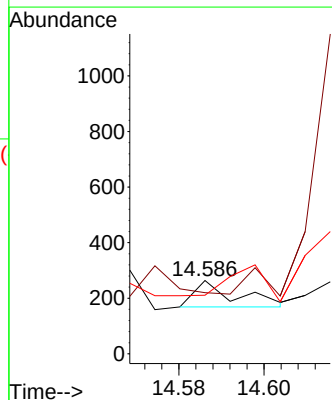
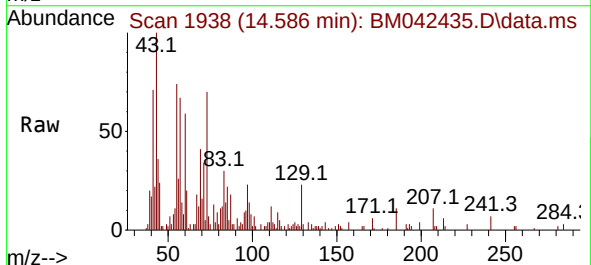
Instrument :
BNA_M
ClientSampleId :
VAUX-SLUDGE

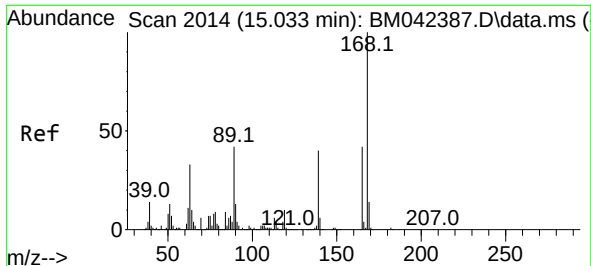
Tgt Ion:165 Resp: 154
Ion Ratio Lower Upper
165 100
63 93.8 65.3 97.9
89 78.0 60.6 91.0



#53
3-Nitroaniline
Concen: 3.274 ng
RT: 14.586 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion:138 Resp: 65
Ion Ratio Lower Upper
138 100
108 83.3 8.3 12.5#
92 79.9 100.6 151.0#

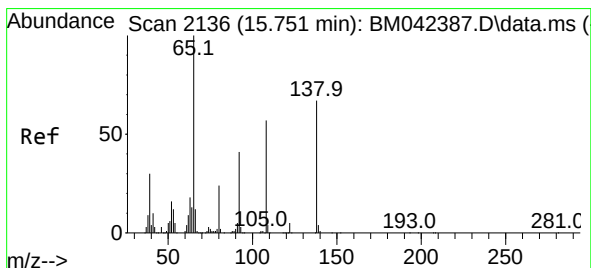
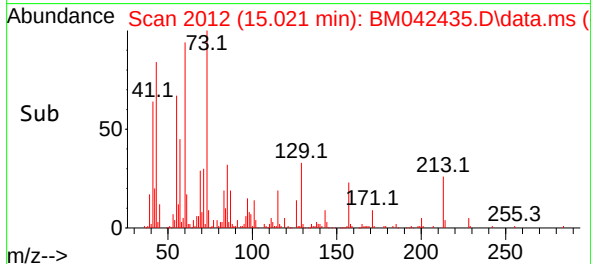
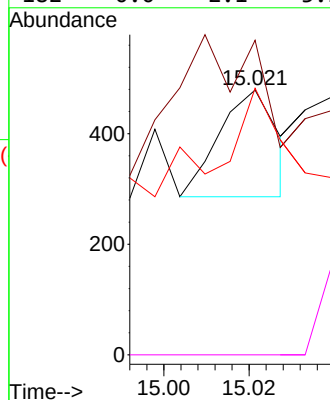
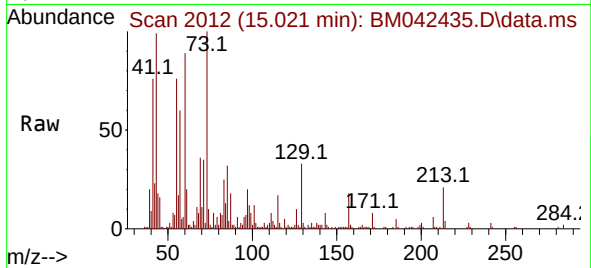




#57
2,4-Dinitrotoluene
Concen: 4.085 ng
RT: 15.021 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

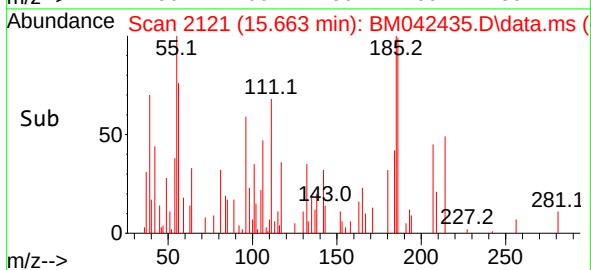
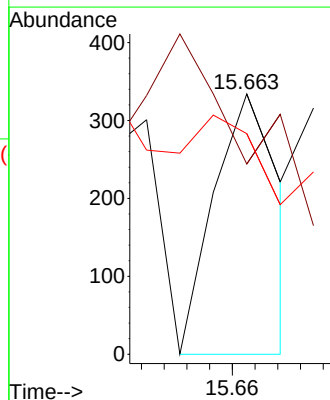
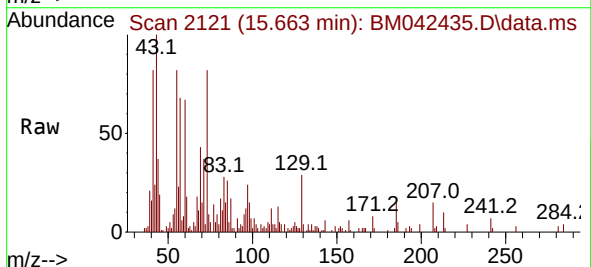
Instrument :
BNA_M
ClientSampleId :
VAUX-SLUDGE

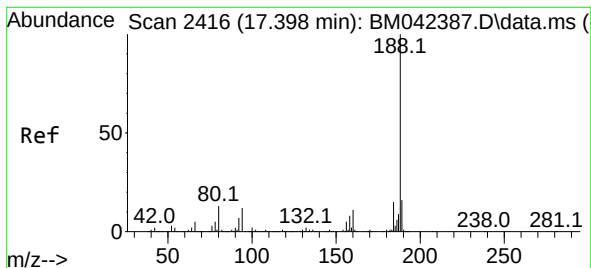
Tgt Ion:165 Resp: 183
Ion Ratio Lower Upper
165 100
63 118.8 62.9 94.3#
89 100.6 80.2 120.2
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.838 ng
RT: 15.663 min Scan# 2121
Delta R.T. -0.088 min
Lab File: BM042435.D
Acq: 25 Oct 2023 13:32

Tgt Ion:138 Resp: 269
Ion Ratio Lower Upper
138 100
92 73.1 40.4 80.4
108 84.7 65.3 105.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

Instrument :

BNA_M

ClientSampleId :

VAUX-SLUDGE

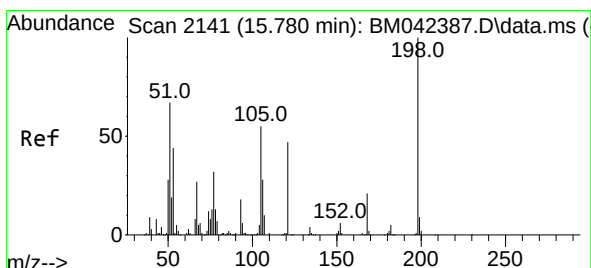
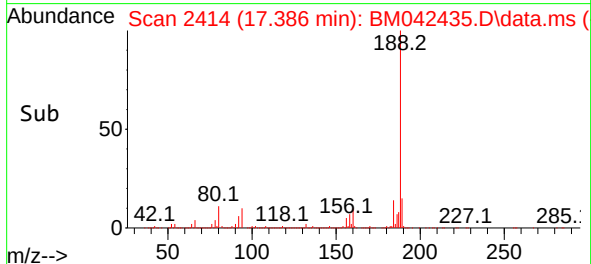
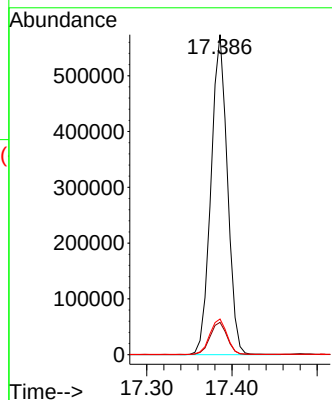
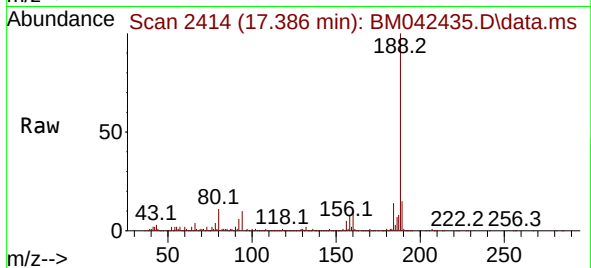
Tgt Ion:188 Resp: 767913

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.0

80 11.2 10.7 16.1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.095 ng

RT: 15.774 min Scan# 2140

Delta R.T. -0.006 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

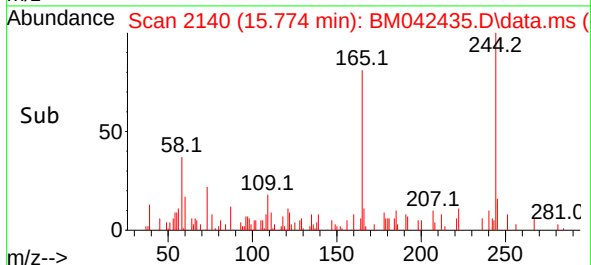
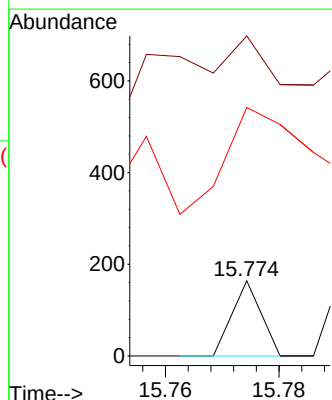
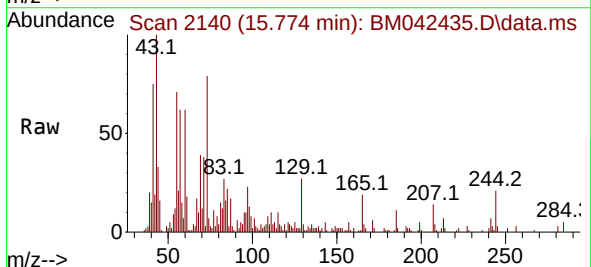
Tgt Ion:198 Resp: 58

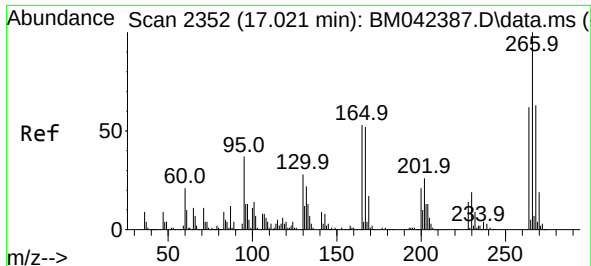
Ion Ratio Lower Upper

198 100

51 425.6 54.1 94.1#

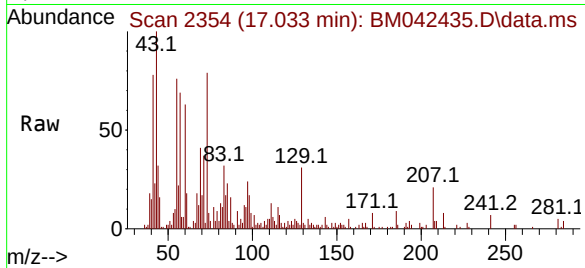
105 330.5 35.9 75.9#



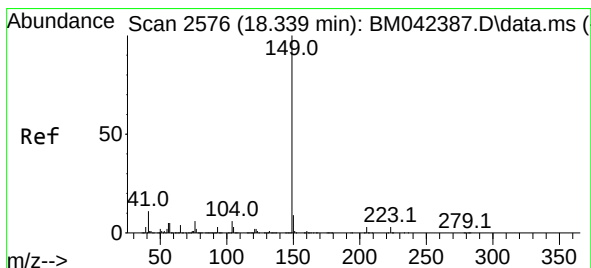
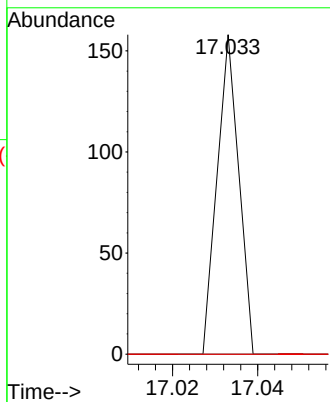
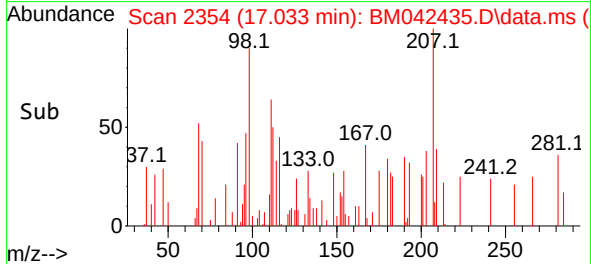


#70
 Pentachlorophenol
 Concen: 5.994 ng
 RT: 17.033 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BM042435.D
 Acq: 25 Oct 2023 13:32

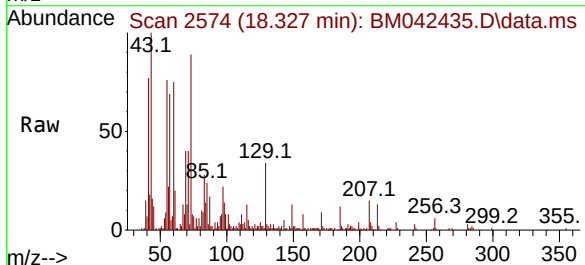
Instrument :
 BNA_M
 ClientSampleId :
 VAUX-SLUDGE



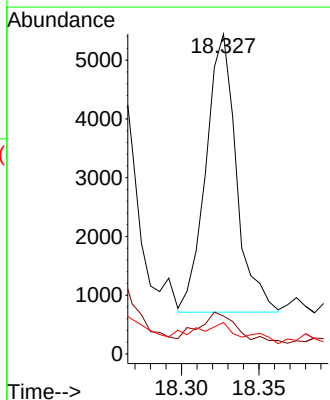
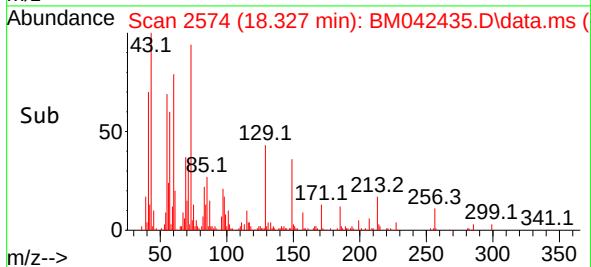
Tgt Ion:266 Resp: 56
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 76.0#
 264 0.0 49.4 74.0#

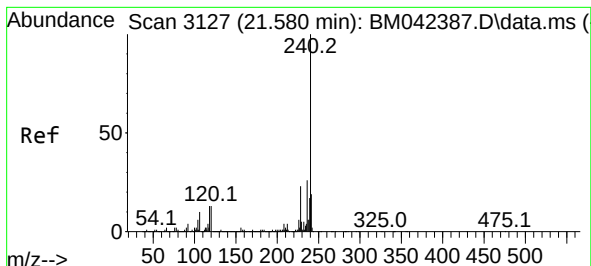


#74
 Di-n-butylphthalate
 Concen: 2.942 ng
 RT: 18.327 min Scan# 2574
 Delta R.T. -0.012 min
 Lab File: BM042435.D
 Acq: 25 Oct 2023 13:32



Tgt Ion:149 Resp: 6486
 Ion Ratio Lower Upper
 149 100
 150 11.9 7.4 11.0#
 104 9.9 4.6 7.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

Instrument :

BNA_M

ClientSampleId :

VAUX-SLUDGE

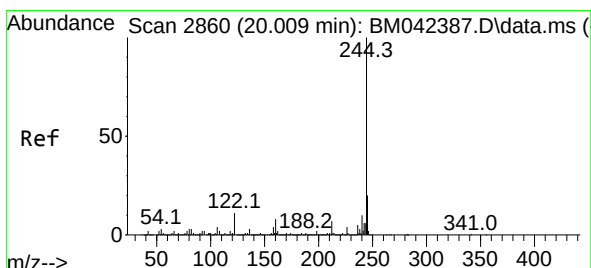
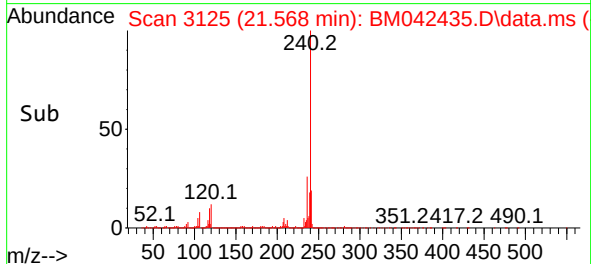
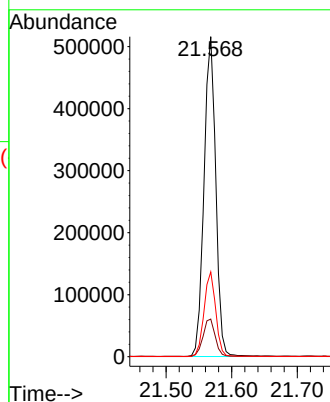
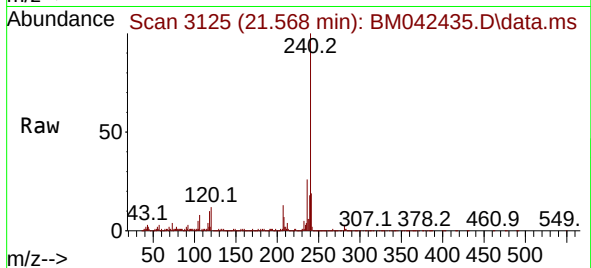
Tgt Ion:240 Resp: 645401

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

236 26.5 20.7 31.1



#79

Terphenyl-d14

Concen: 102.468 ng

RT: 20.003 min Scan# 2859

Delta R.T. -0.006 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

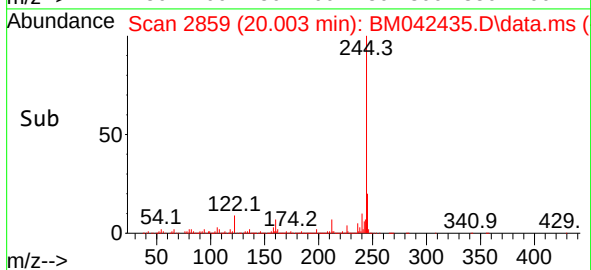
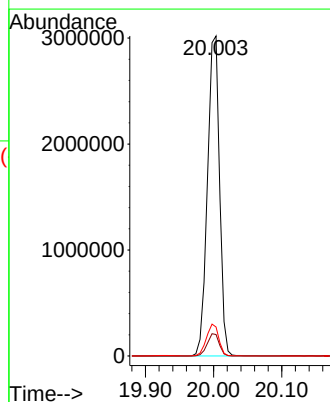
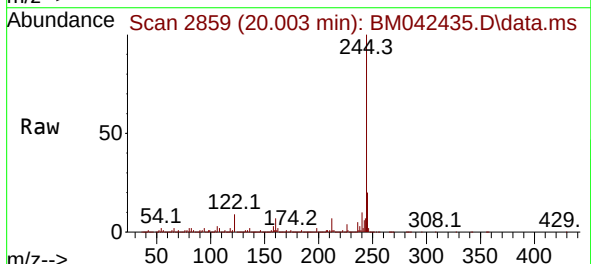
Tgt Ion:244 Resp: 3728956

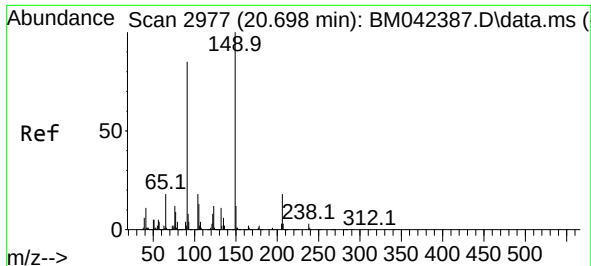
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.1 8.8 13.2

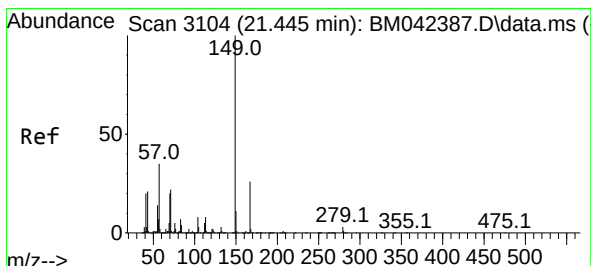
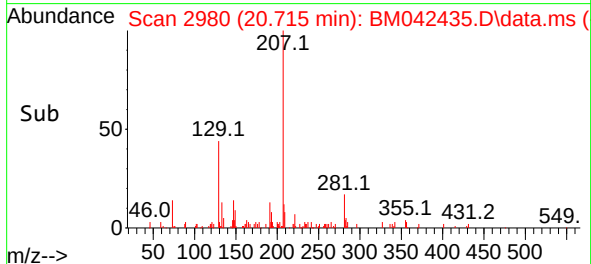
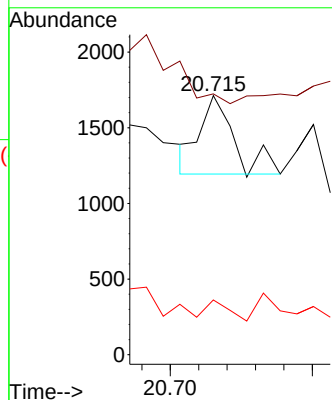
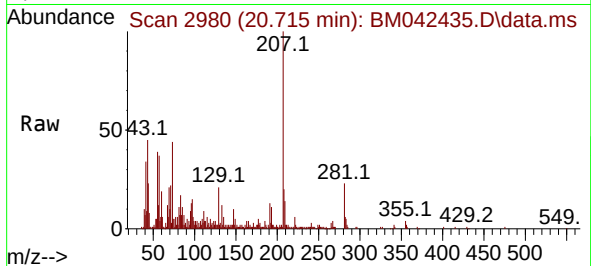




#80
 Butylbenzylphthalate
 Concen: 3.278 ng
 RT: 20.715 min Scan# 2977
 Delta R.T. 0.017 min
 Lab File: BM042435.D
 Acq: 25 Oct 2023 13:32

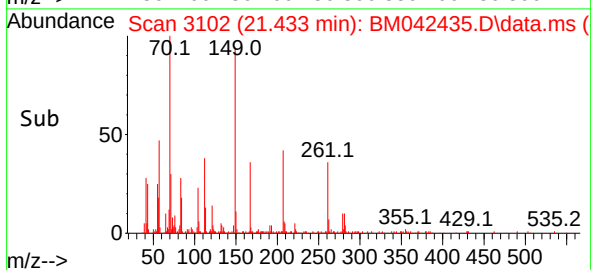
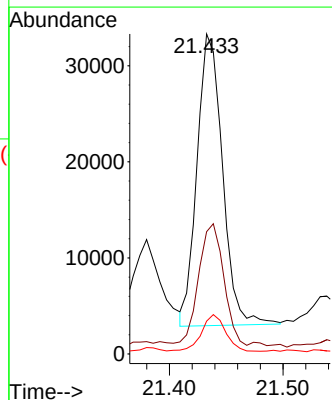
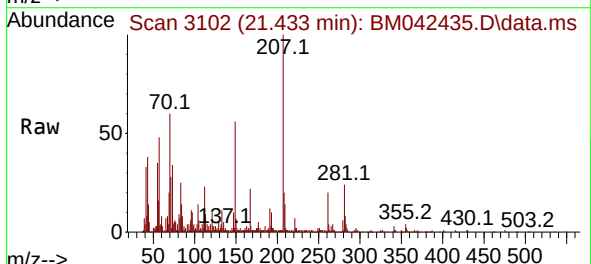
Instrument :
 BNA_M
 ClientSampleId :
 VAUX-SLUDGE

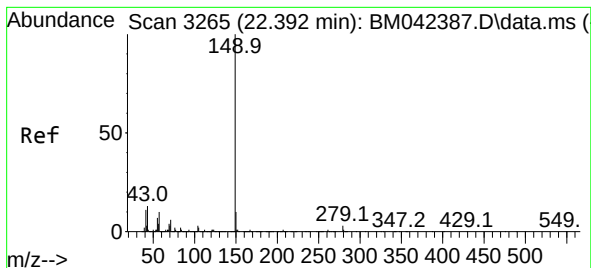
Tgt Ion:149 Resp: 430
 Ion Ratio Lower Upper
 149 100
 91 100.7 68.3 102.5
 206 21.1 14.6 22.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.882 ng
 RT: 21.433 min Scan# 3102
 Delta R.T. -0.012 min
 Lab File: BM042435.D
 Acq: 25 Oct 2023 13:32

Tgt Ion:149 Resp: 47313
 Ion Ratio Lower Upper
 149 100
 167 38.2 20.9 31.3#
 279 10.3 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 4.254 ng

RT: 22.362 min Scan# 31

Delta R.T. -0.030 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

Instrument :

BNA_M

ClientSampleId :

VAUX-SLUDGE

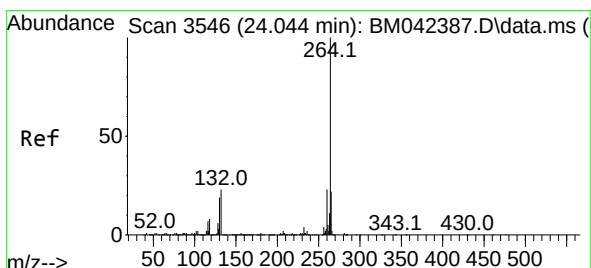
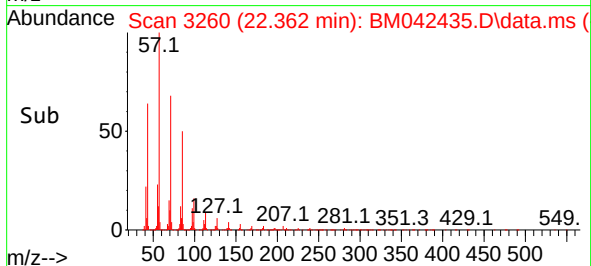
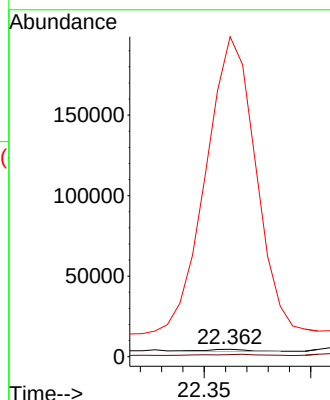
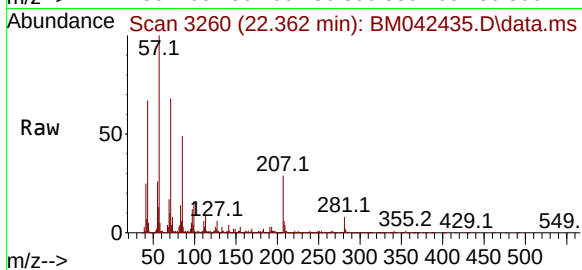
Tgt Ion:149 Resp: 1959

Ion Ratio Lower Upper

149 100

167 74.2 1.2 1.8#

43 15826.9 11.0 16.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3543

Delta R.T. -0.018 min

Lab File: BM042435.D

Acq: 25 Oct 2023 13:32

Tgt Ion:264 Resp: 685376

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 22.0 17.8 26.8

