

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042442.D
 Acq On : 25 Oct 2023 17:49
 Operator : MA/JU
 Sample : 04989-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILE

Quant Time: Oct 25 18:37:17 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)

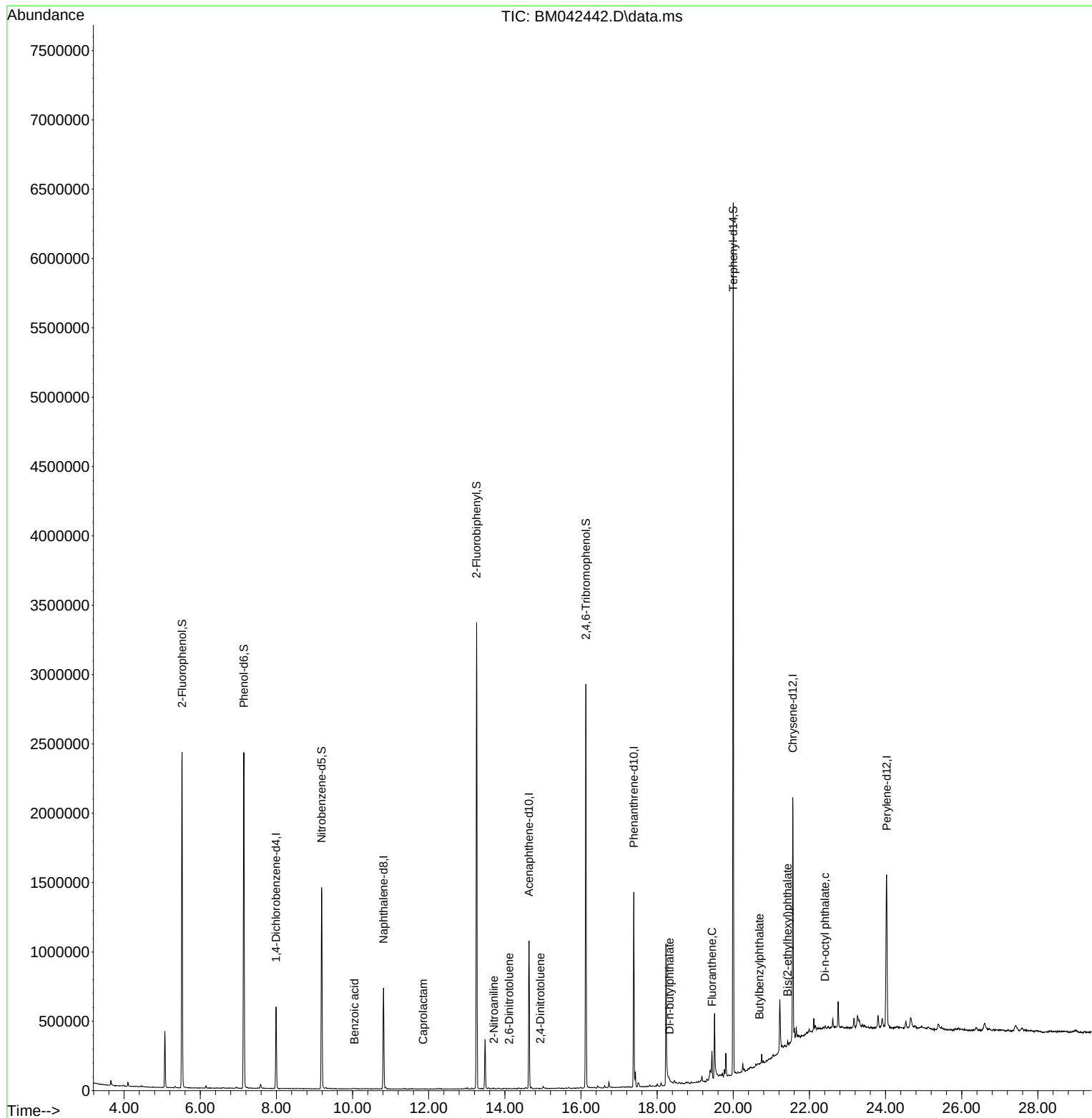
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	146674	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	576101	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	347332	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	776561	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	784017	20.000	ng	-0.02
86) Perylene-d12	24.027	264	843849	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	971297	93.592	ng	0.00
7) Phenol-d6	7.145	99	1289170	92.694	ng	0.00
23) Nitrobenzene-d5	9.186	82	821081	63.023	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	480869	125.692	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1619017	62.770	ng	-0.01
79) Terphenyl-d14	19.997	244	2774216	62.754	ng	-0.01
Target Compounds						
						Qvalue
32) Benzoic acid	10.045	122	705	5.419	ng	# 41
35) Caprolactam	11.851	113	55	5.944	ng	# 61
48) 2-Nitroaniline	13.710	65	448	3.686	ng	# 42
51) 2,6-Dinitrotoluene	14.110	165	110	2.905	ng	# 48
57) 2,4-Dinitrotoluene	14.933	165	61	4.071	ng	# 6
74) Di-n-butylphthalate	18.327	149	7876	2.967	ng	# 94
75) Fluoranthene	19.439	202	104455	2.245	ng	98
80) Butylbenzylphthalate	20.686	149	1175	3.302	ng	# 67
84) Bis(2-ethylhexyl)phtha...	21.427	149	9042	3.607	ng	# 99
85) Di-n-octyl phthalate	22.409	149	2710	4.259	ng	# 1

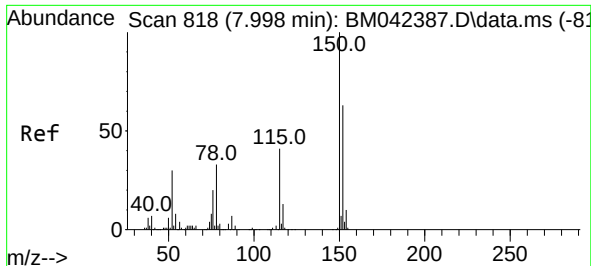
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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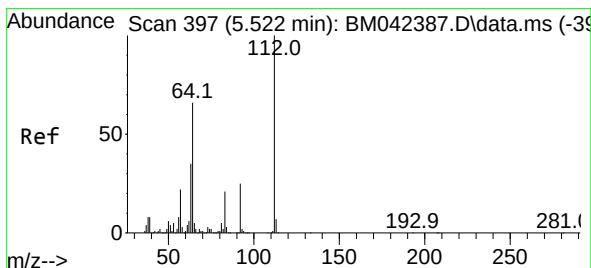
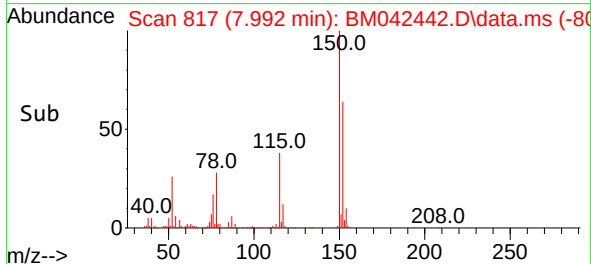
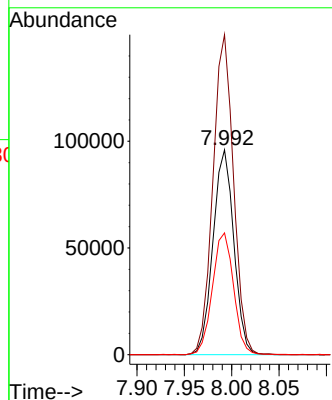
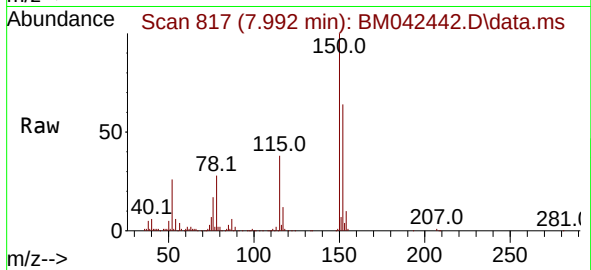




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

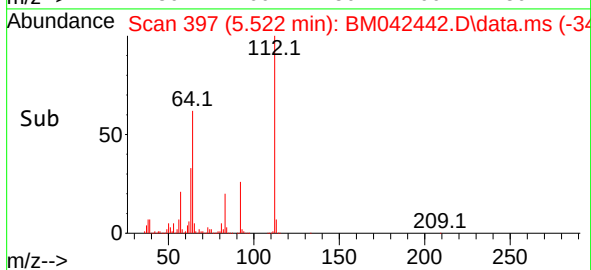
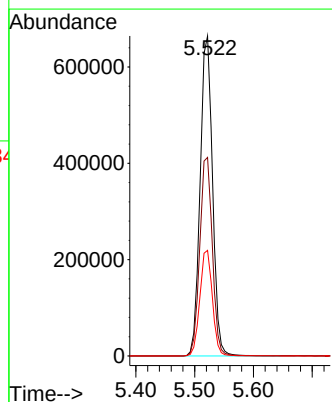
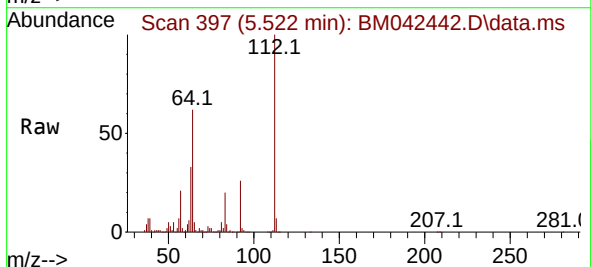
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILE

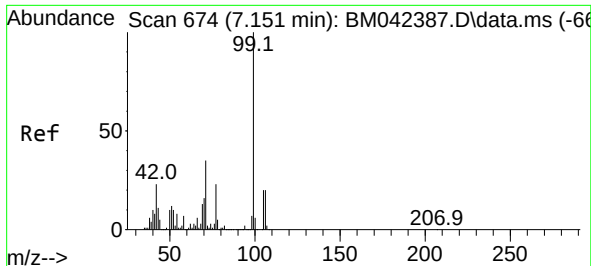
Tgt Ion:152 Resp: 146674
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.4
115 59.4 51.9 77.9



#5
2-Fluorophenol
Concen: 93.592 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:112 Resp: 971297
Ion Ratio Lower Upper
112 100
64 62.0 52.7 79.1
63 33.0 28.3 42.5

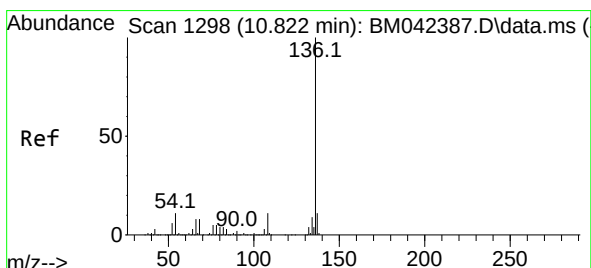
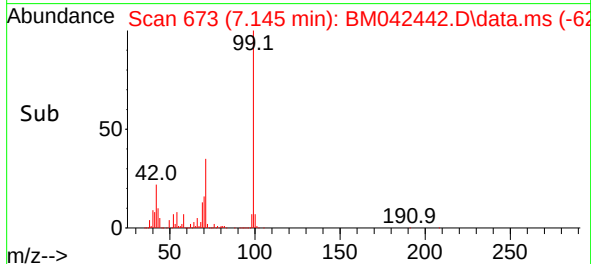
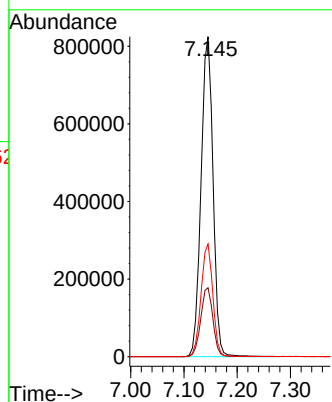
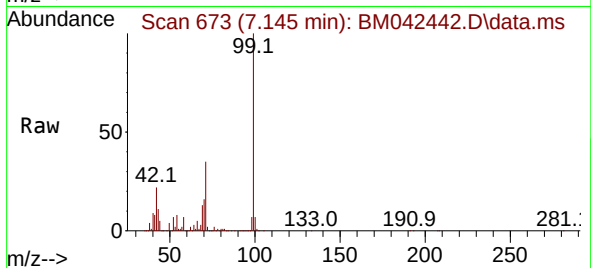




#7
Phenol-d6
Concen: 92.694 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

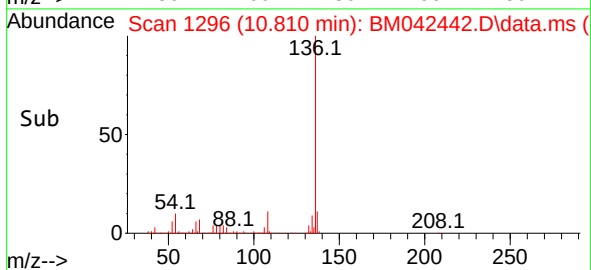
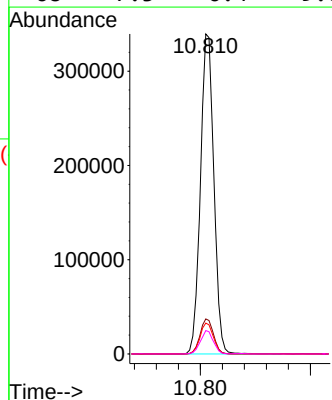
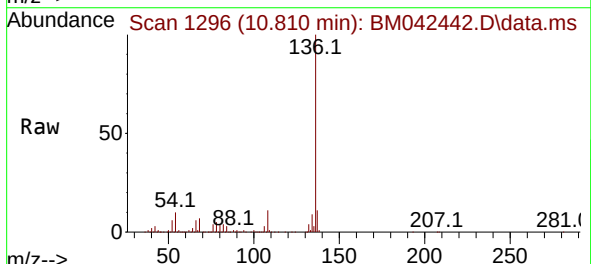
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BNA_M
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TRENCHWAY-SOIL-PILE

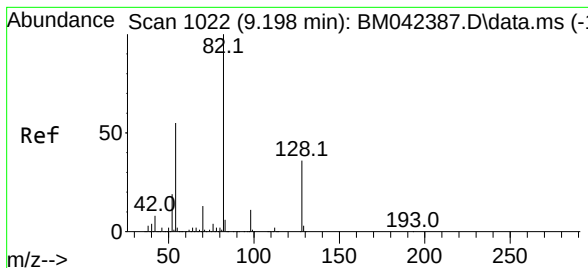
Tgt Ion: 99 Resp: 1289170
Ion Ratio Lower Upper
99 100
42 21.5 18.5 27.7
71 35.2 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion: 136 Resp: 576101
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.7 8.6 12.8
68 7.3 6.4 9.6





#23

Nitrobenzene-d5

Concen: 63.023 ng

RT: 9.186 min Scan# 1108

Delta R.T. -0.012 min

Lab File: BM042442.D

Acq: 25 Oct 2023 17:49

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILE

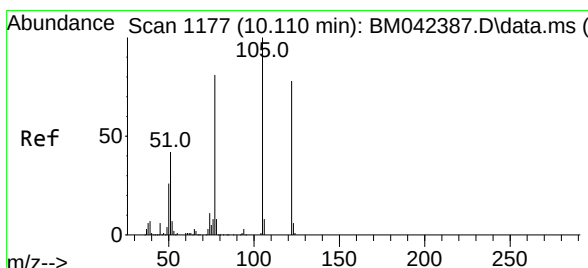
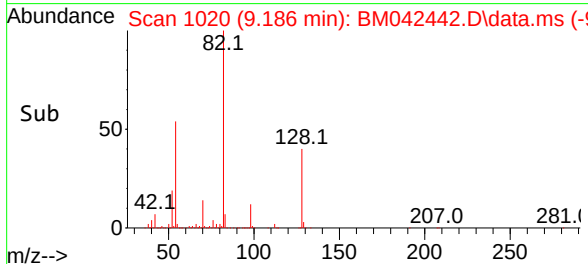
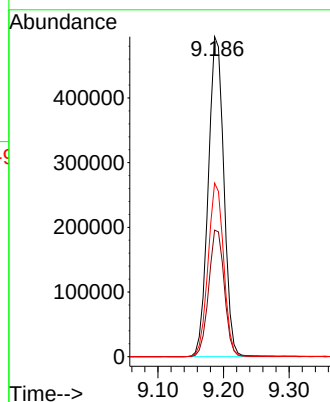
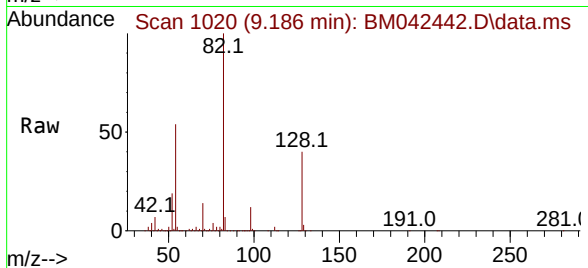
Tgt Ion: 82 Resp: 821081

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.6

54 54.3 43.7 65.5



#32

Benzoic acid

Concen: 5.419 ng

RT: 10.045 min Scan# 1166

Delta R.T. -0.065 min

Lab File: BM042442.D

Acq: 25 Oct 2023 17:49

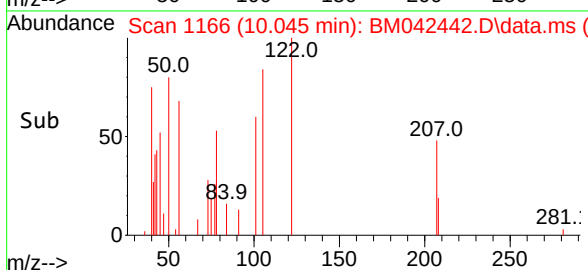
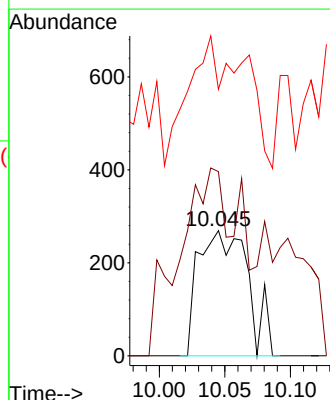
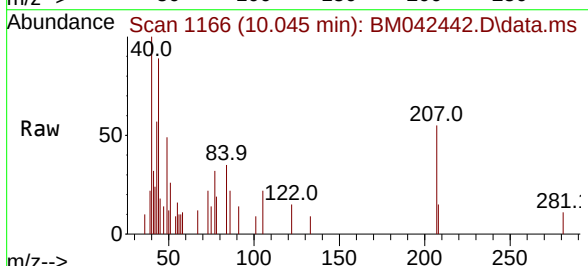
Tgt Ion:122 Resp: 705

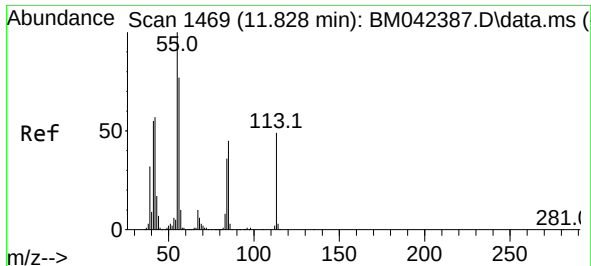
Ion Ratio Lower Upper

122 100

105 147.2 104.9 144.9#

77 213.0 83.4 123.4#

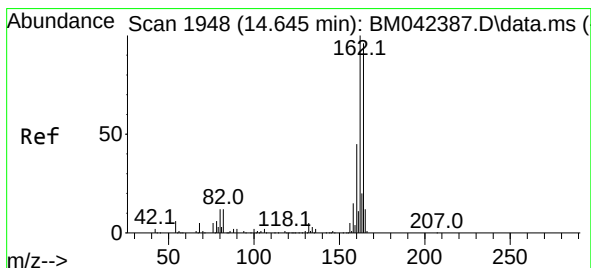
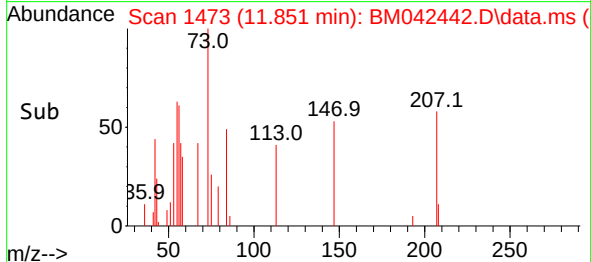
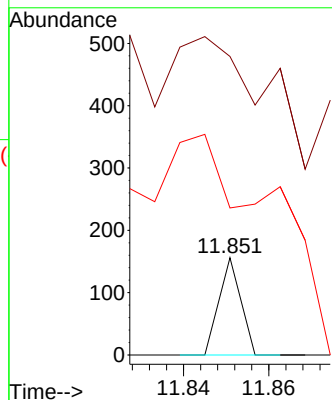
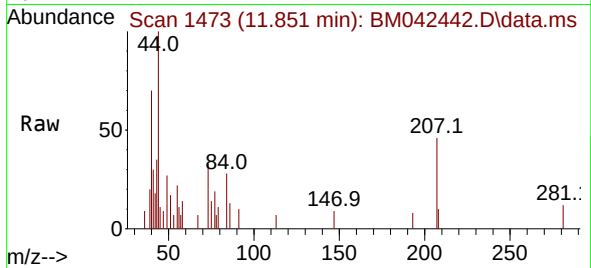




#35
Caprolactam
Concen: 5.944 ng
RT: 11.851 min Scan# 1469
Delta R.T. 0.023 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

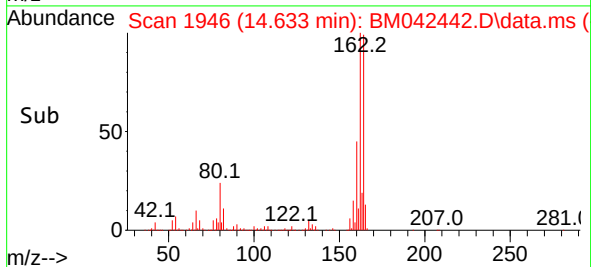
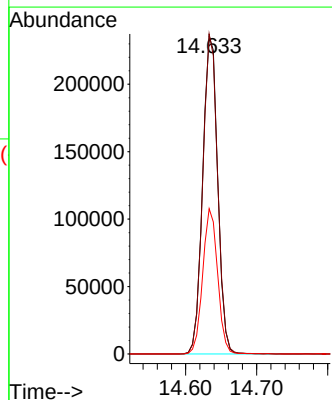
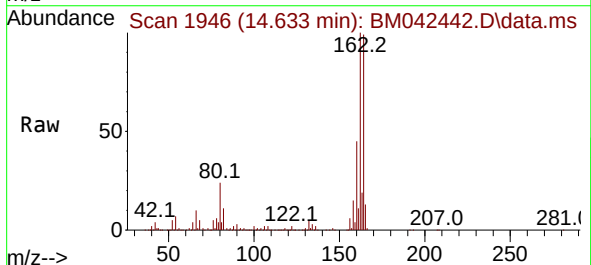
Instrument :
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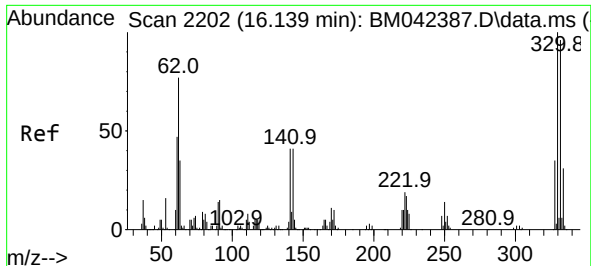
Tgt Ion:113 Resp: 55
Ion Ratio Lower Upper
113 100
55 307.1 185.6 225.6#
56 151.3 137.8 177.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:164 Resp: 347332
Ion Ratio Lower Upper
164 100
162 100.6 83.0 124.4
160 45.7 37.0 55.4

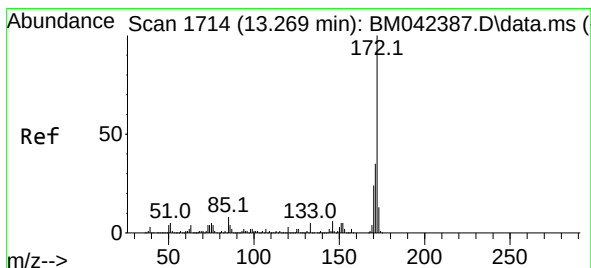
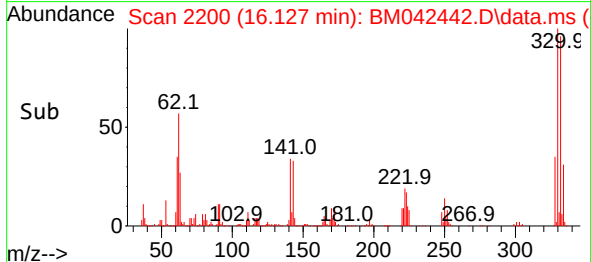
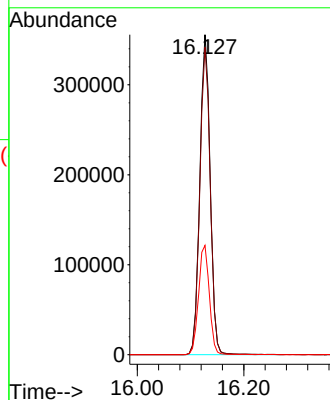
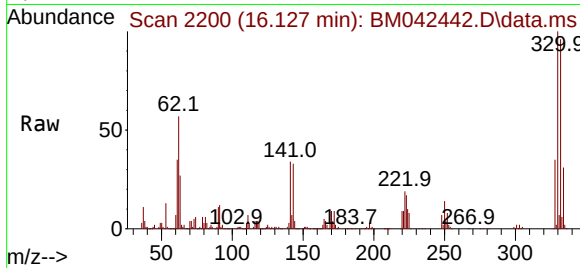




#42
2,4,6-Tribromophenol
Concen: 125.692 ng
RT: 16.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

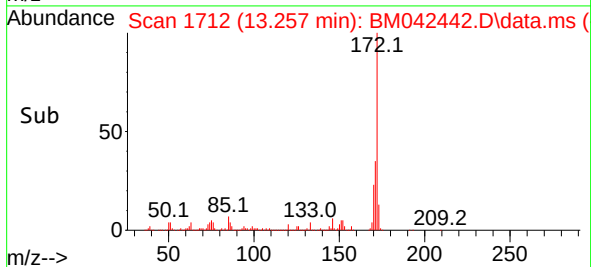
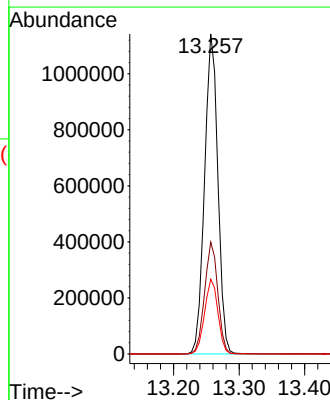
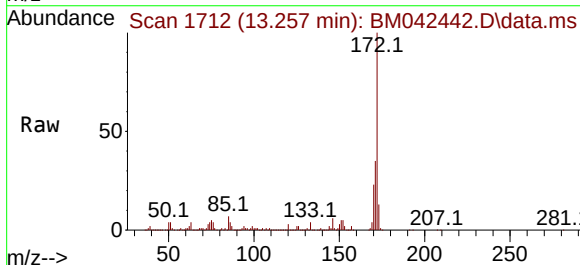
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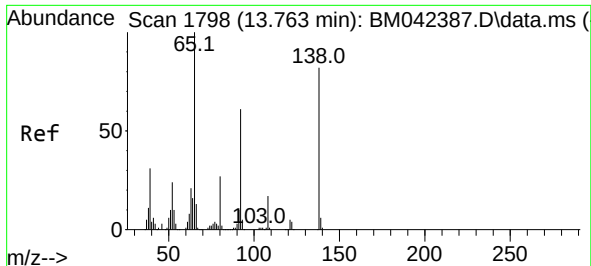
Tgt Ion:330 Resp: 480869
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 35.6 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 62.770 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:172 Resp: 1619017
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.9 28.3

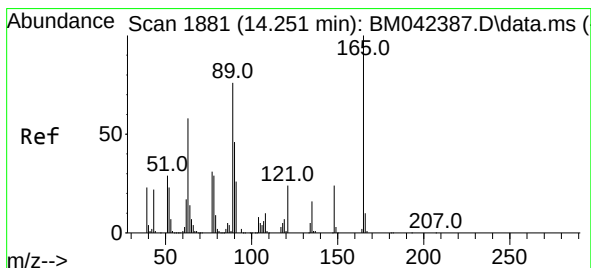
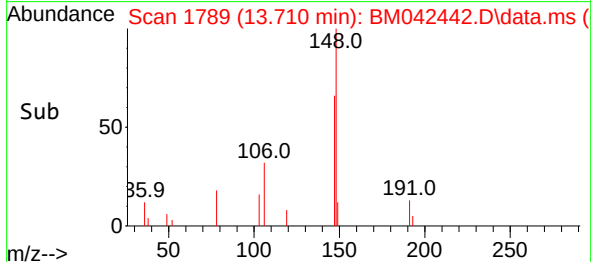
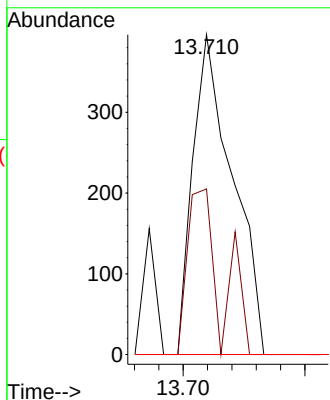
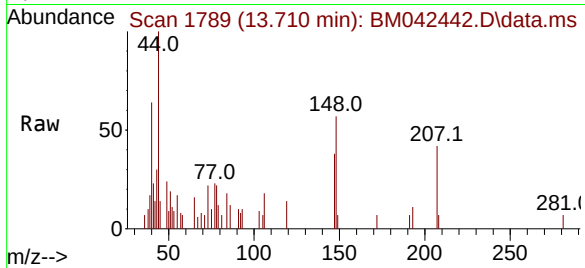




#48
2-Nitroaniline
Concen: 3.686 ng
RT: 13.710 min Scan# 11
Delta R.T. -0.053 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

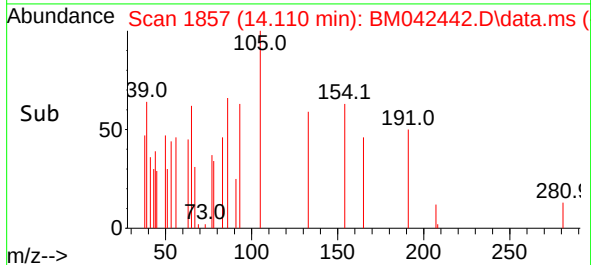
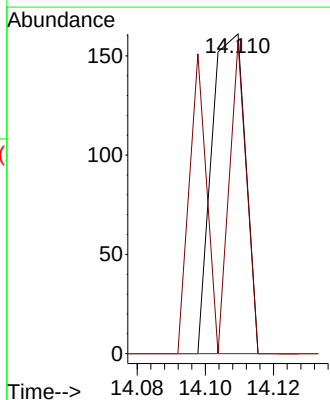
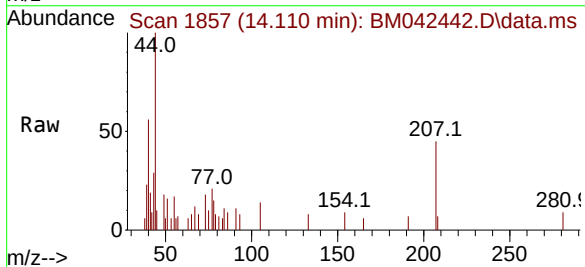
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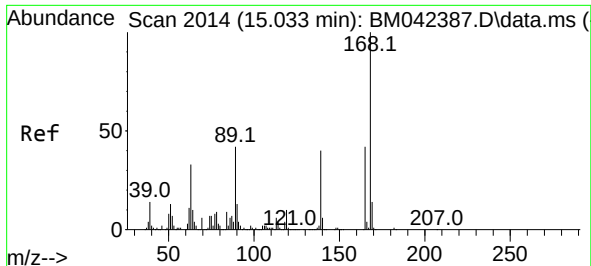
Tgt Ion: 65 Resp: 448
Ion Ratio Lower Upper
65 100
92 51.8 49.0 73.6
138 0.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 2.905 ng
RT: 14.110 min Scan# 1857
Delta R.T. -0.141 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:165 Resp: 110
Ion Ratio Lower Upper
165 100
63 97.5 65.3 97.9
89 0.0 60.6 91.0#





#57

2,4-Dinitrotoluene

Concen: 4.071 ng

RT: 14.933 min Scan# 14

Delta R.T. -0.100 min

Lab File: BM042442.D

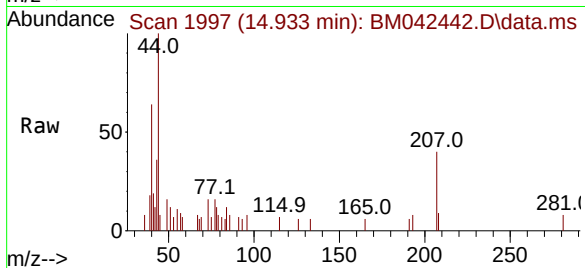
Acq: 25 Oct 2023 17:49

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILE



Tgt Ion:165 Resp: 61

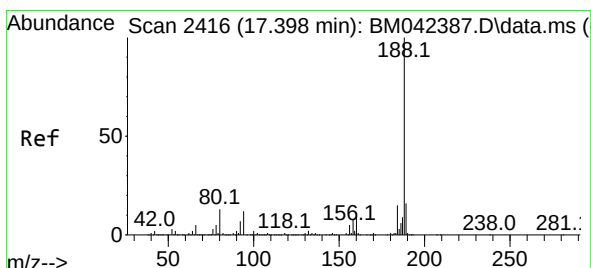
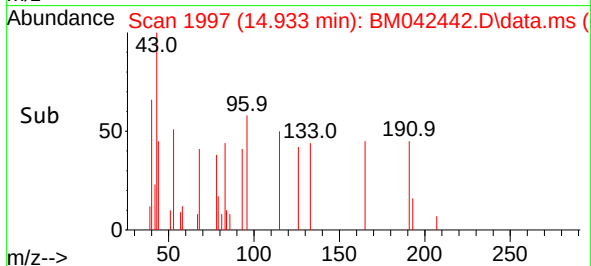
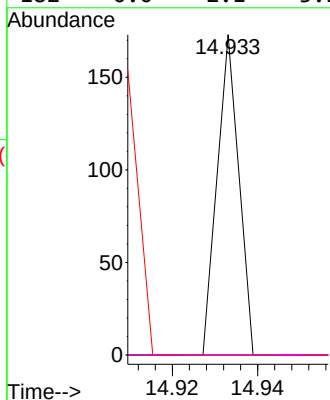
Ion Ratio Lower Upper

165 100

63 0.0 62.9 94.3#

89 0.0 80.2 120.2#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.386 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM042442.D

Acq: 25 Oct 2023 17:49

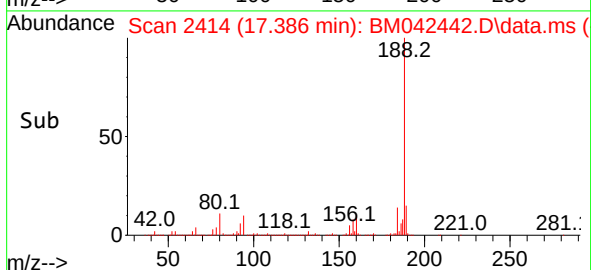
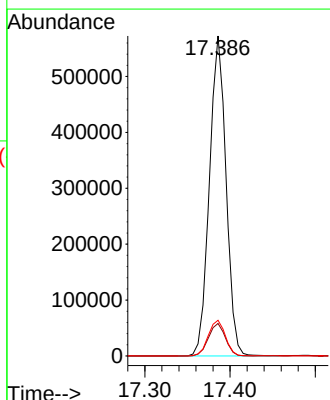
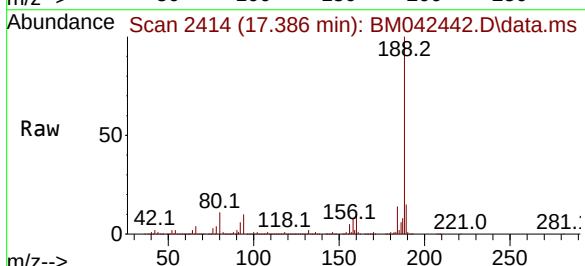
Tgt Ion:188 Resp: 776561

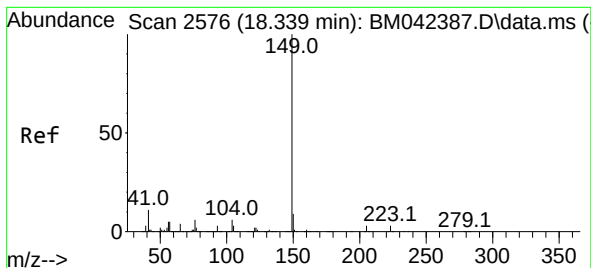
Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.0

80 11.1 10.7 16.1





#74

Di-n-butylphthalate

Concen: 2.967 ng

RT: 18.327 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM042442.D

Acq: 25 Oct 2023 17:49

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILE

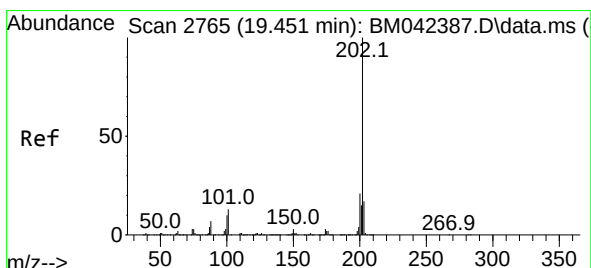
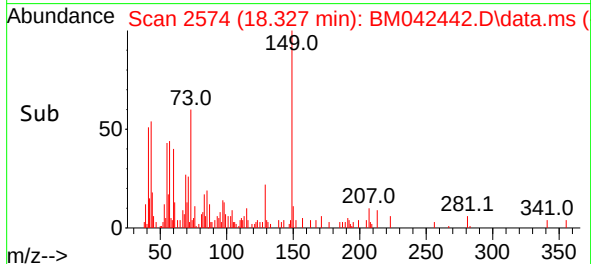
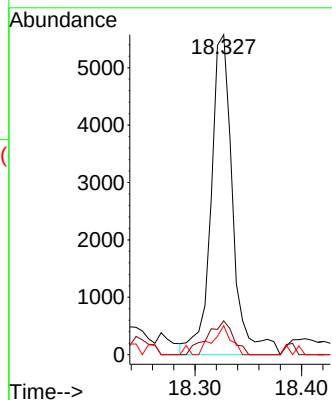
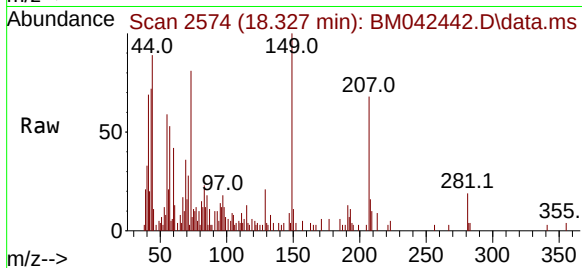
Tgt Ion:149 Resp: 7876

Ion Ratio Lower Upper

149 100

150 10.6 7.4 11.0

104 9.0 4.6 7.0#



#75

Fluoranthene

Concen: 2.245 ng

RT: 19.439 min Scan# 2763

Delta R.T. -0.012 min

Lab File: BM042442.D

Acq: 25 Oct 2023 17:49

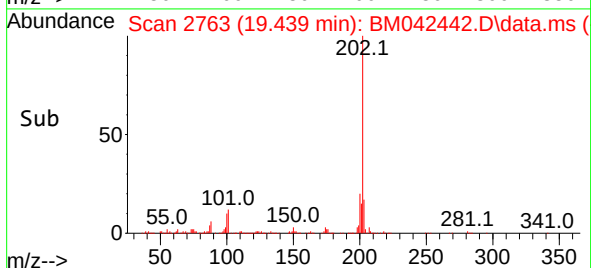
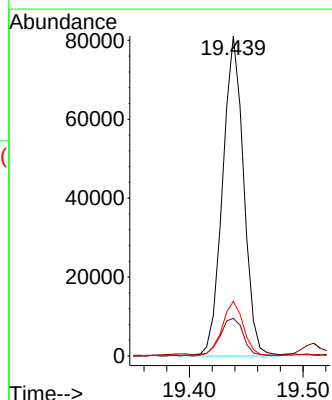
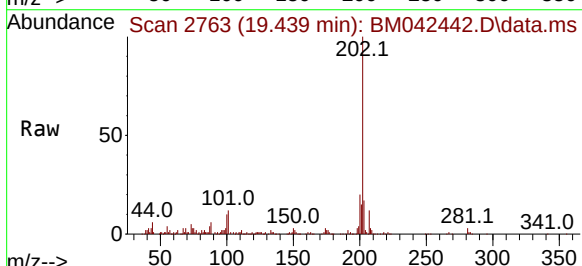
Tgt Ion:202 Resp: 104455

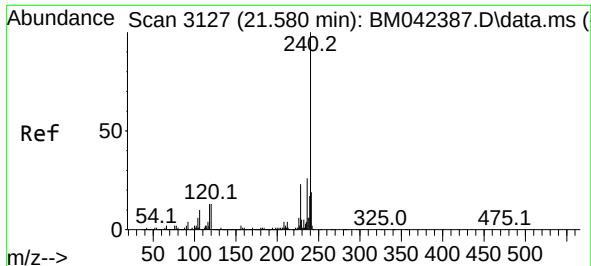
Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.3

203 17.1 0.0 37.5

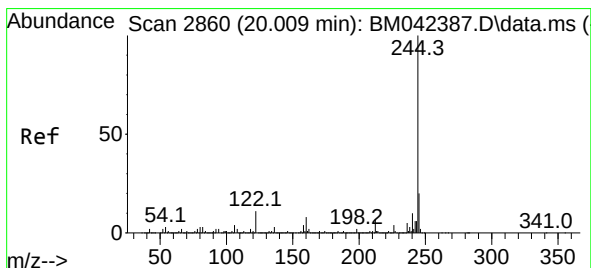
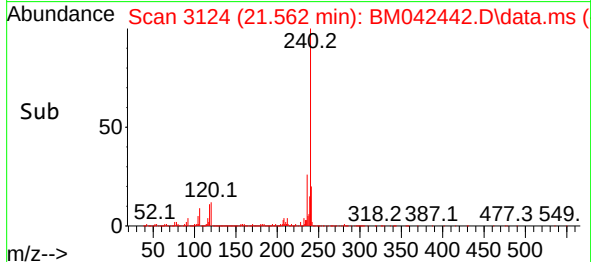
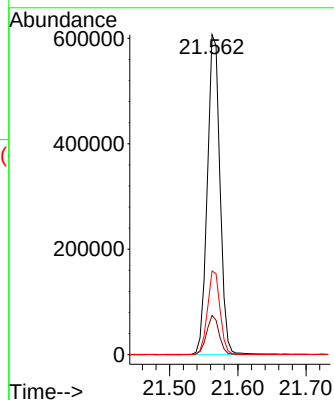
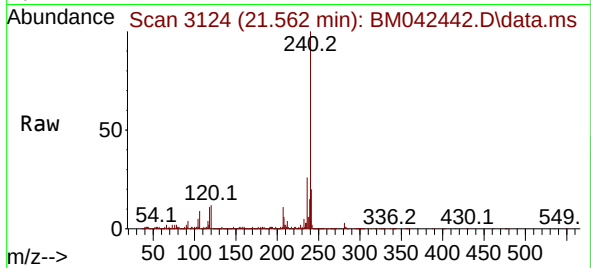




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

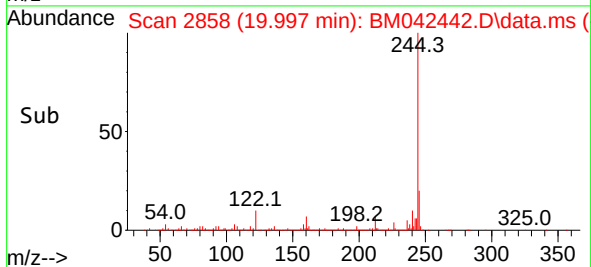
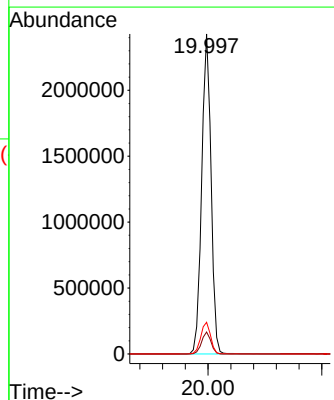
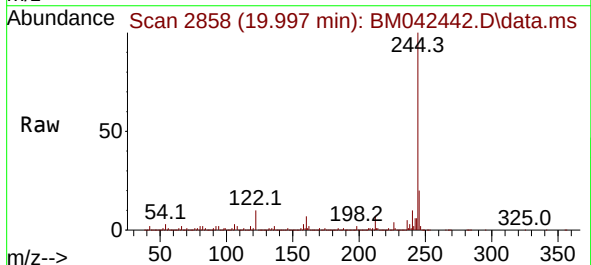
Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILE

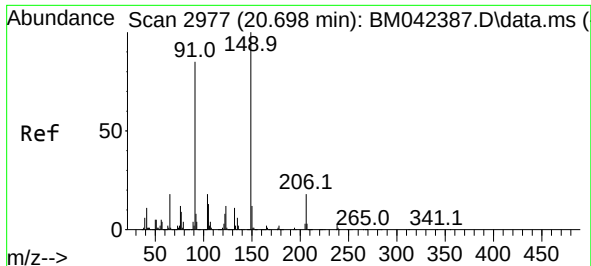
Tgt Ion:240 Resp: 784017
Ion Ratio Lower Upper
240 100
120 12.2 10.7 16.1
236 26.2 20.7 31.1



#79
Terphenyl-d14
Concen: 62.754 ng
RT: 19.997 min Scan# 2858
Delta R.T. -0.012 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:244 Resp: 2774216
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 9.9 8.8 13.2

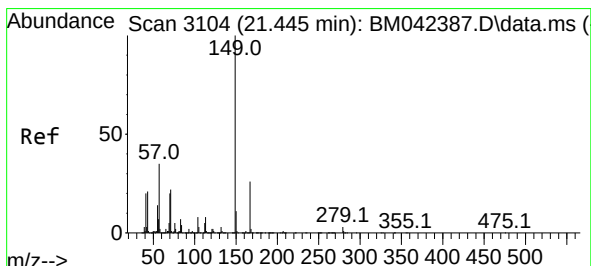
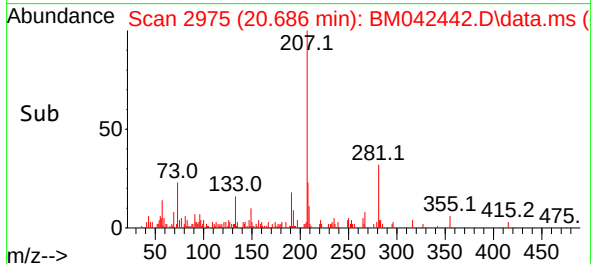
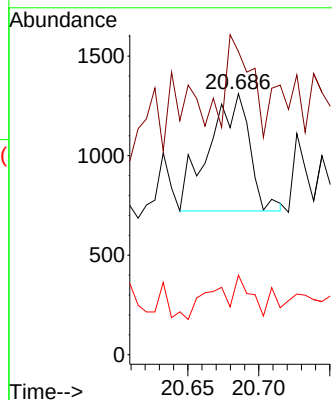
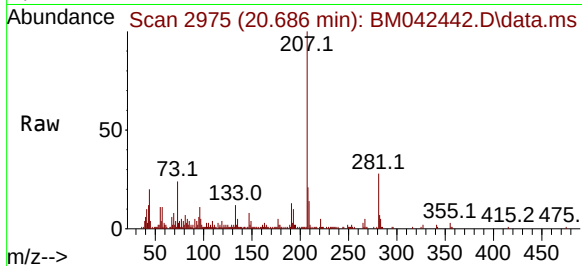




#80
 Butylbenzylphthalate
 Concen: 3.302 ng
 RT: 20.686 min Scan# 2975
 Delta R.T. -0.012 min
 Lab File: BM042442.D
 Acq: 25 Oct 2023 17:49

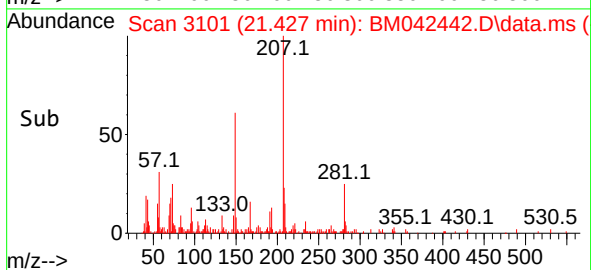
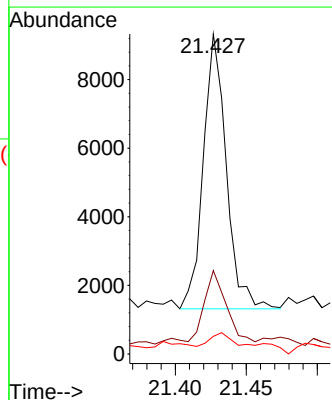
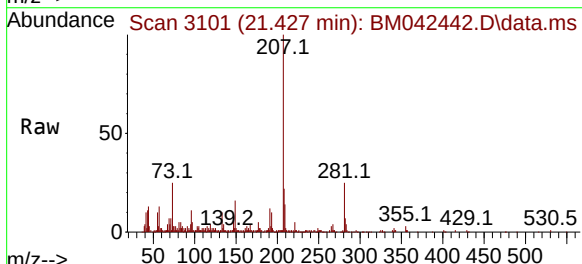
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILE

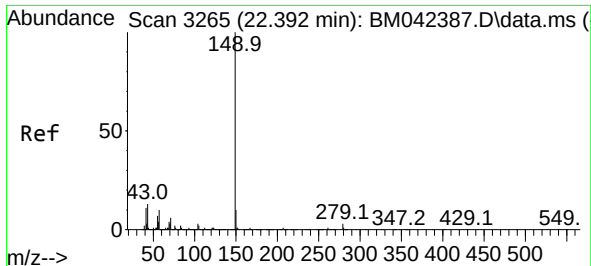
Tgt Ion:149 Resp: 1175
 Ion Ratio Lower Upper
 149 100
 91 116.2 68.3 102.5#
 206 30.5 14.6 22.0#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.607 ng
 RT: 21.427 min Scan# 3101
 Delta R.T. -0.018 min
 Lab File: BM042442.D
 Acq: 25 Oct 2023 17:49

Tgt Ion:149 Resp: 9042
 Ion Ratio Lower Upper
 149 100
 167 26.0 20.9 31.3
 279 5.5 2.7 4.1#

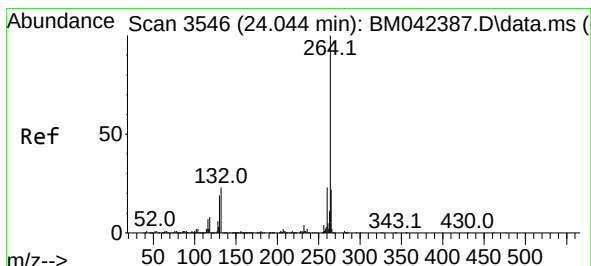
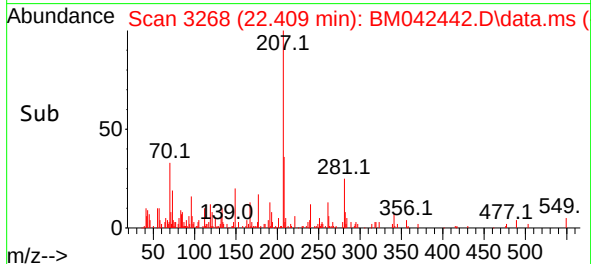
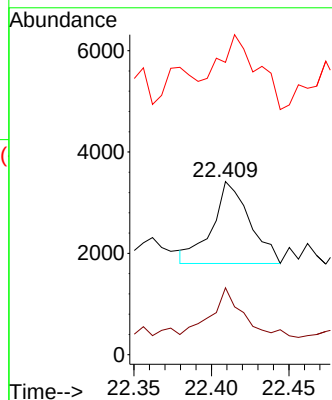
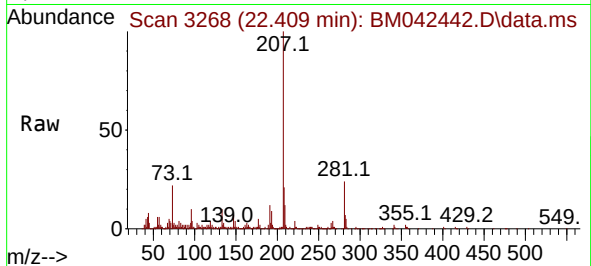




#85
Di-n-octyl phthalate
Concen: 4.259 ng
RT: 22.409 min Scan# 31
Delta R.T. 0.017 min
Lab File: BM042442.D
Acq: 25 Oct 2023 17:49

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILE

Tgt Ion:149 Resp: 2710
Ion Ratio Lower Upper
149 100
167 56.1 1.2 1.8#
43 98.2 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: BM042442.D
Acq: 25 Oct 2023 17:49

Tgt Ion:264 Resp: 843849
Ion Ratio Lower Upper
264 100
260 24.5 18.6 27.8
265 21.7 17.8 26.8

