

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042421.D
 Acq On : 24 Oct 2023 16:03
 Operator : MA/JU
 Sample : 04989-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILE

Quant Time: Oct 24 17:06:57 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)

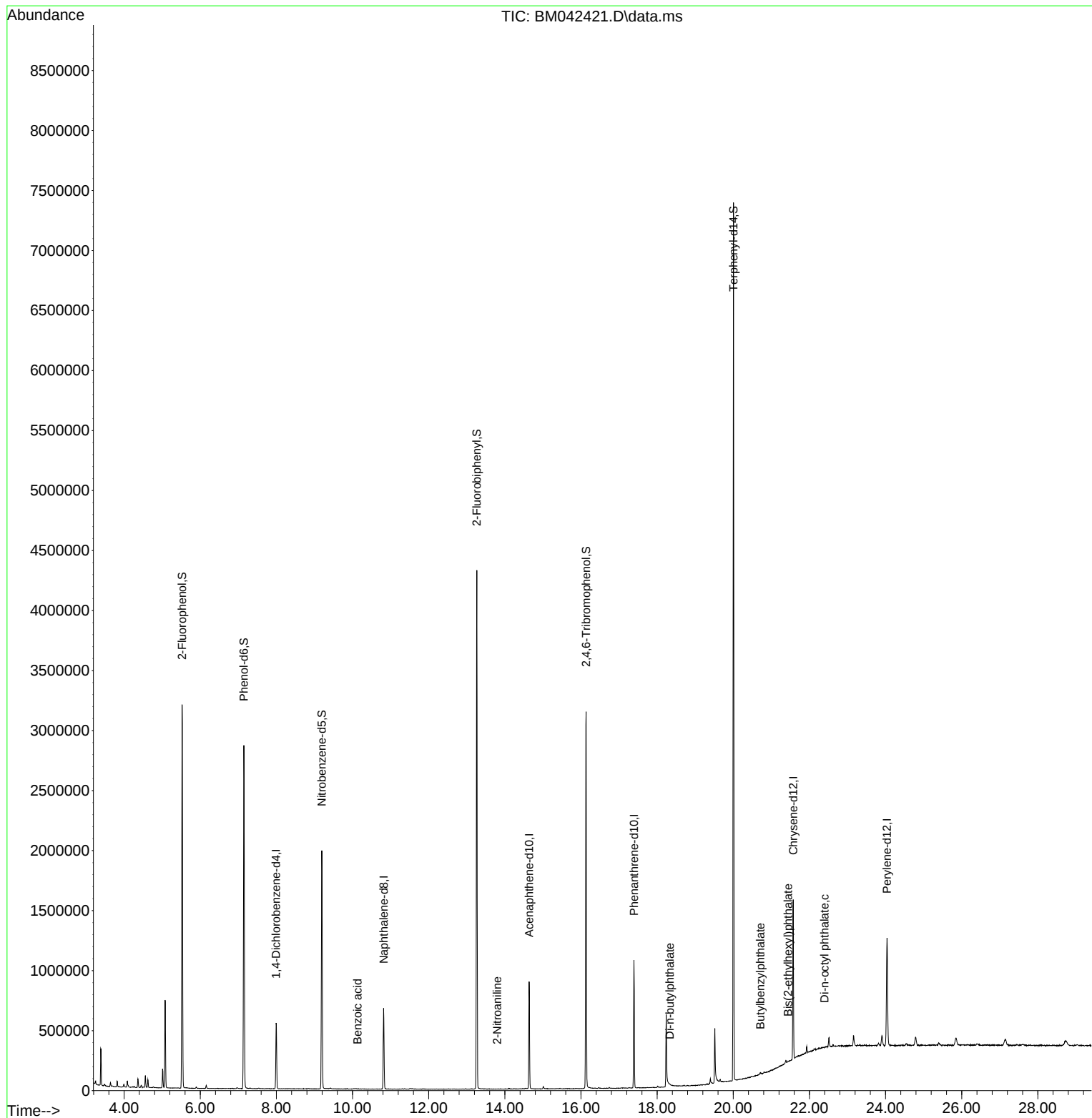
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	138062	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	516692	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	277235	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	582722	20.000	ng	0.00
76) Chrysene-d12	21.574	240	580138	20.000	ng	0.00
86) Perylene-d12	24.039	264	668208	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1250980	128.061	ng	0.00
7) Phenol-d6	7.146	99	1482804	113.267	ng	0.00
23) Nitrobenzene-d5	9.193	82	1094346	93.656	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	517467	166.239	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	2053873	99.763	ng	0.00
79) Terphenyl-d14	20.004	244	3241473	99.092	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.128	122	127	5.343	ng	# 19
48) 2-Nitroaniline	13.798	65	55	3.647	ng	# 13
74) Di-n-butylphthalate	18.333	149	4297	2.926	ng	# 97
80) Butylbenzylphthalate	20.709	149	523	3.285	ng	# 91
84) Bis(2-ethylhexyl)phtha...	21.439	149	3202	3.482	ng	# 93
85) Di-n-octyl phthalate	22.398	149	857	4.236	ng	# 1

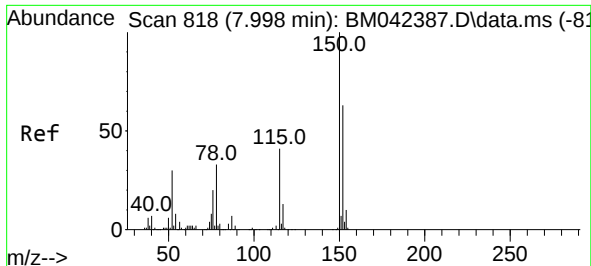
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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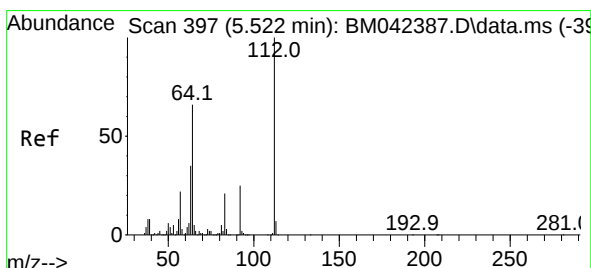
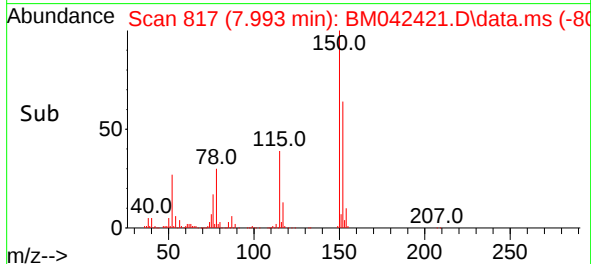
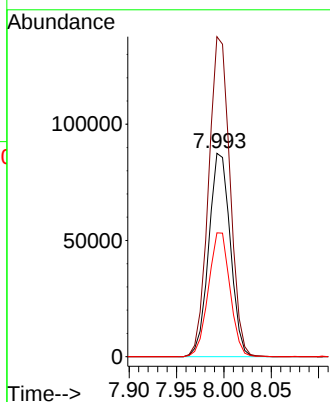
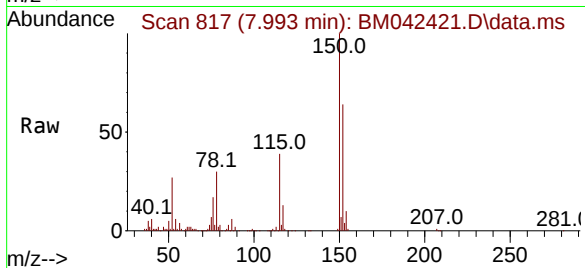




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.993 min Scan# 818
 Delta R.T. -0.005 min
 Lab File: BM042421.D
 Acq: 24 Oct 2023 16:03

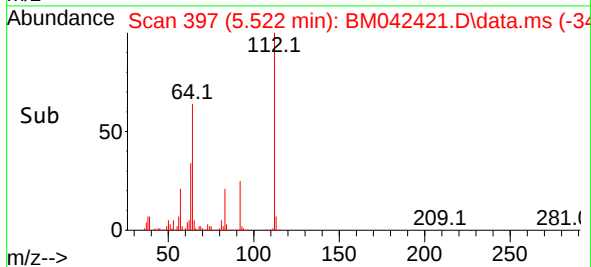
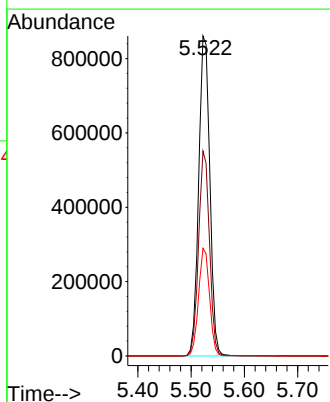
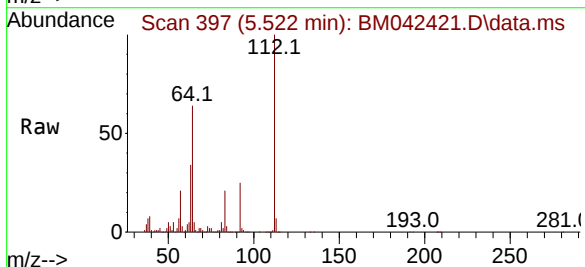
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILE

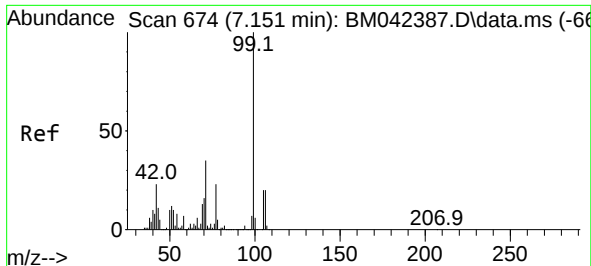
Tgt Ion:152 Resp: 138062
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.2 189.4
 115 60.9 51.9 77.9



#5
 2-Fluorophenol
 Concen: 128.061 ng
 RT: 5.522 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: BM042421.D
 Acq: 24 Oct 2023 16:03

Tgt Ion:112 Resp: 1250980
 Ion Ratio Lower Upper
 112 100
 64 64.0 52.7 79.1
 63 33.7 28.3 42.5



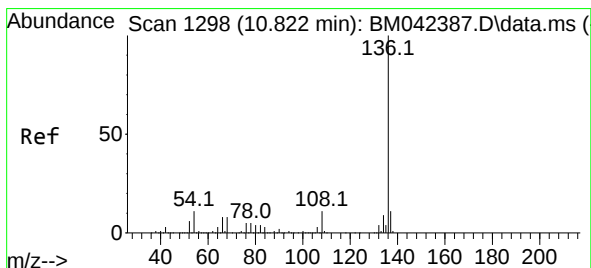
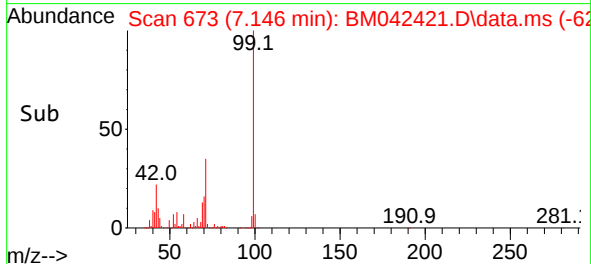
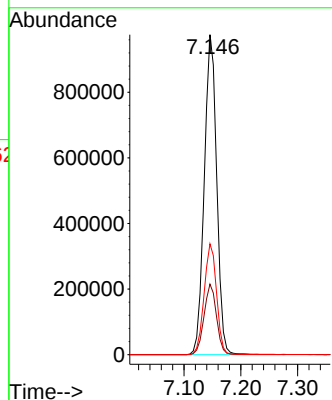
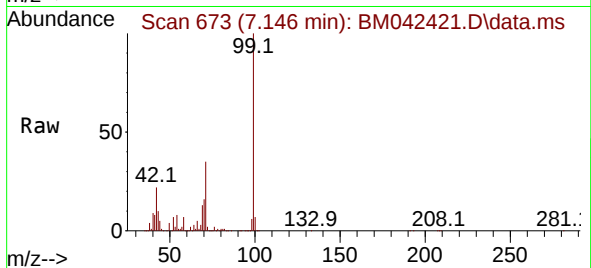


#7
Phenol-d6
Concen: 113.267 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042421.D
Acq: 24 Oct 2023 16:03

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILE

Tgt Ion: 99 Resp: 1482804

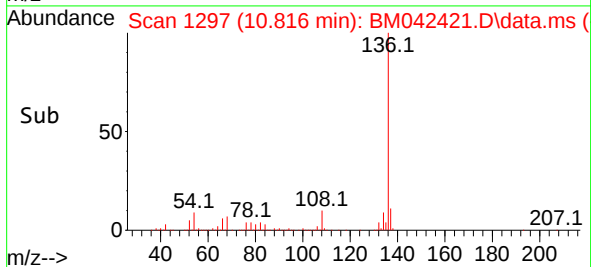
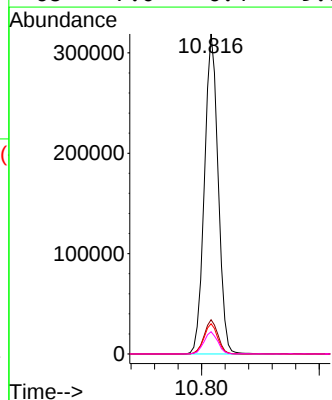
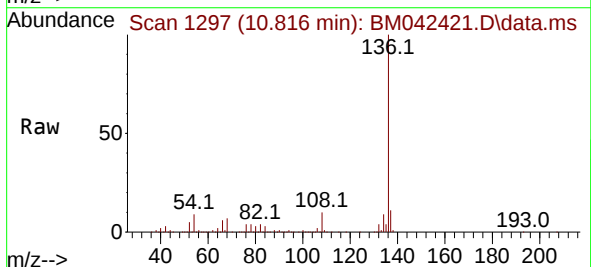
Ion	Ratio	Lower	Upper
99	100		
42	22.1	18.5	27.7
71	34.7	27.7	41.5

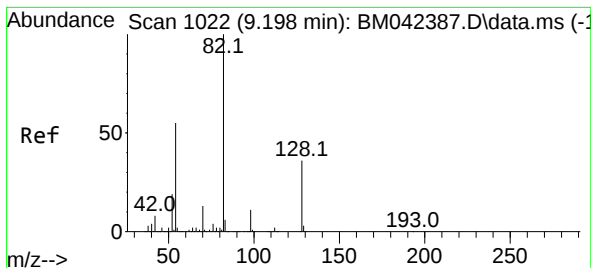


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042421.D
Acq: 24 Oct 2023 16:03

Tgt Ion: 136 Resp: 516692

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.5	8.6	12.8
68	7.0	6.4	9.6





#23

Nitrobenzene-d5

Concen: 93.656 ng

RT: 9.193 min Scan# 110

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Instrument :

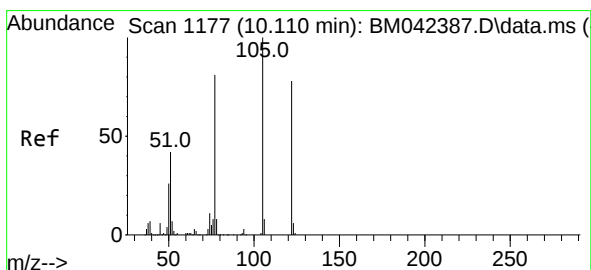
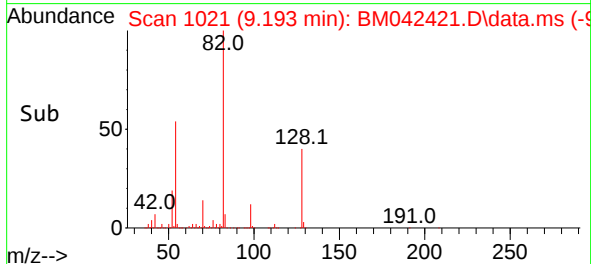
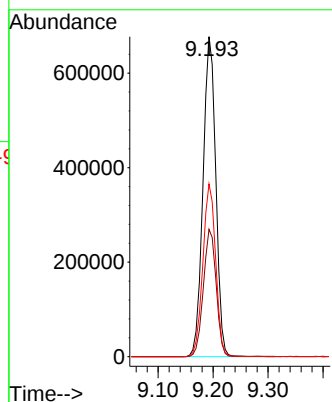
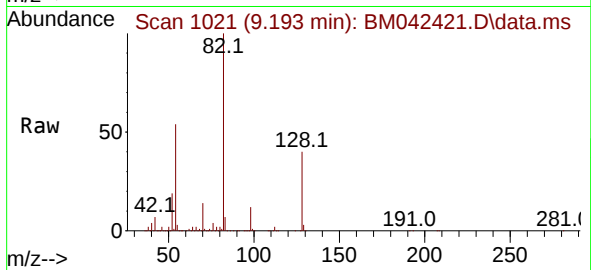
BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILE

Tgt Ion: 82 Resp: 1094346

Ion	Ratio	Lower	Upper
82	100		
128	39.8	29.0	43.6
54	54.0	43.7	65.5



#32

Benzoic acid

Concen: 5.343 ng

RT: 10.128 min Scan# 1180

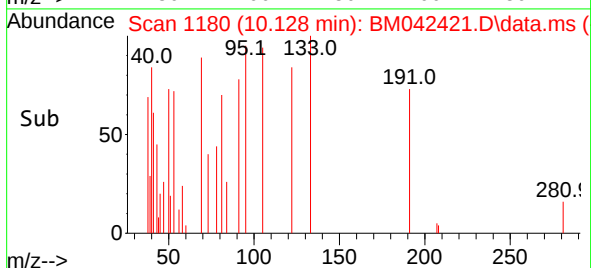
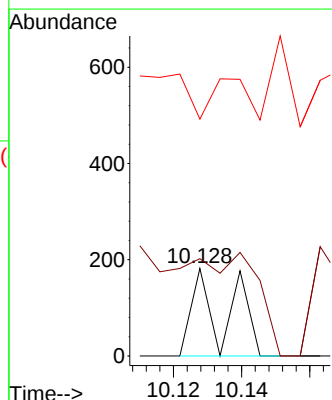
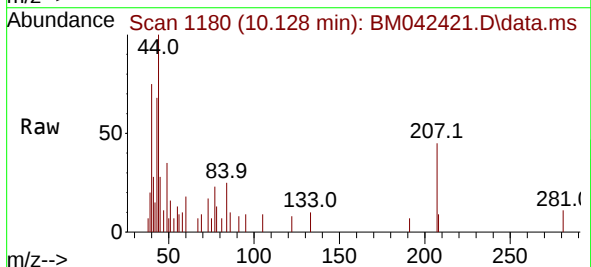
Delta R.T. 0.018 min

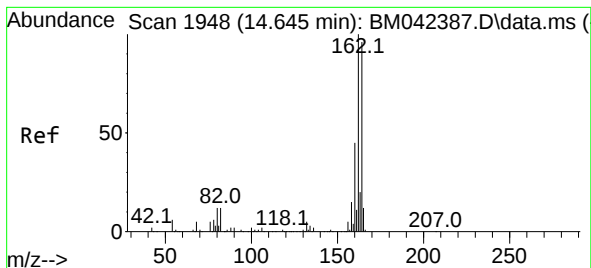
Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Tgt Ion:122 Resp: 127

Ion	Ratio	Lower	Upper
122	100		
105	111.0	104.9	144.9
77	270.3	83.4	123.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.639 min Scan# 1947

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Instrument :

BNA_M

ClientSampleId :

TRENCHWAY-SOIL-PILE

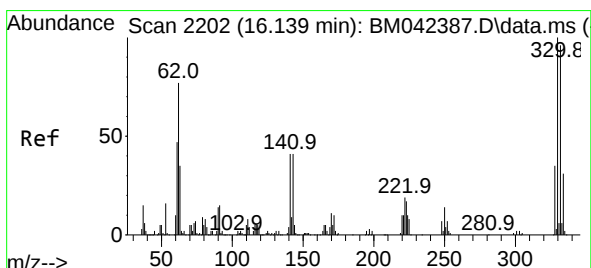
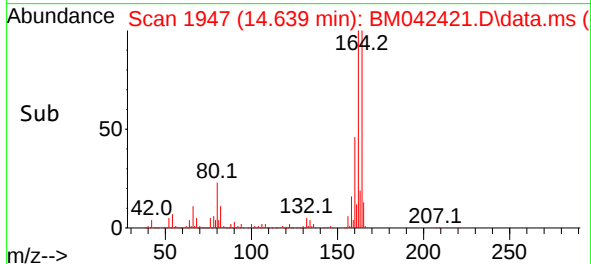
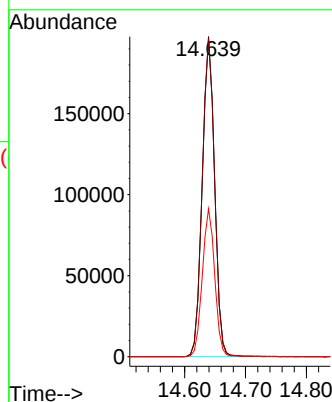
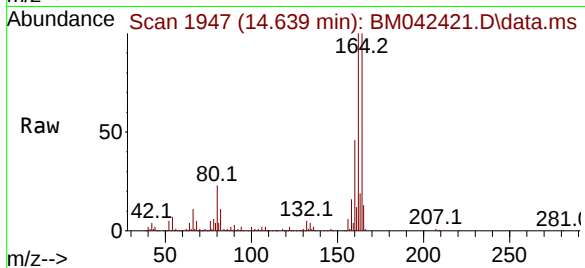
Tgt Ion:164 Resp: 277235

Ion Ratio Lower Upper

164 100

162 99.7 83.0 124.4

160 46.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 166.239 ng

RT: 16.133 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

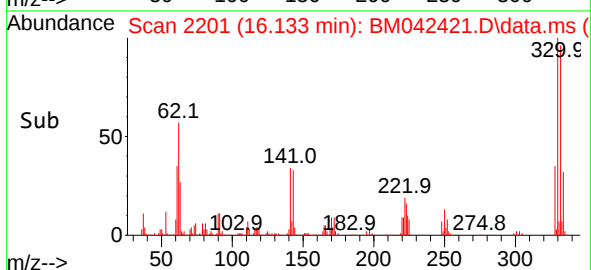
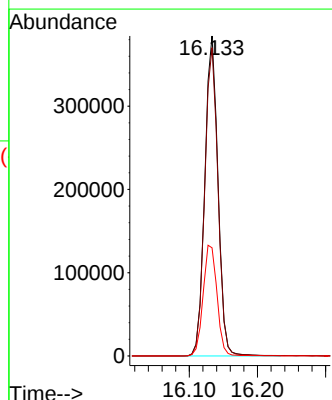
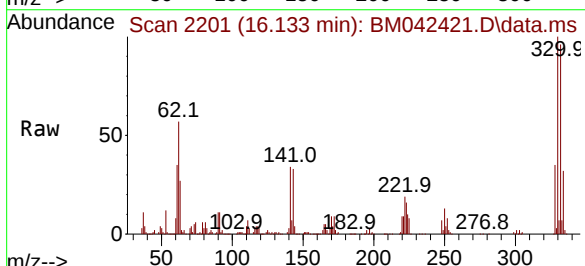
Tgt Ion:330 Resp: 517467

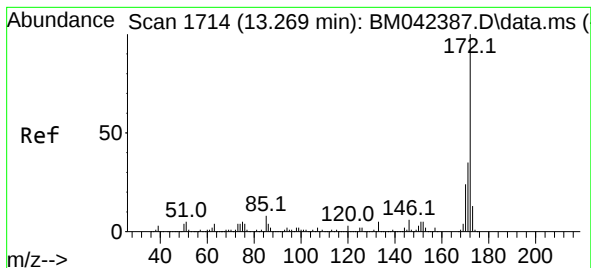
Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 36.5 38.0 57.0#





#45

2-Fluorobiphenyl

Concen: 99.763 ng

RT: 13.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Instrument :

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ClientSampleId :

TRENCHWAY-SOIL-PILE

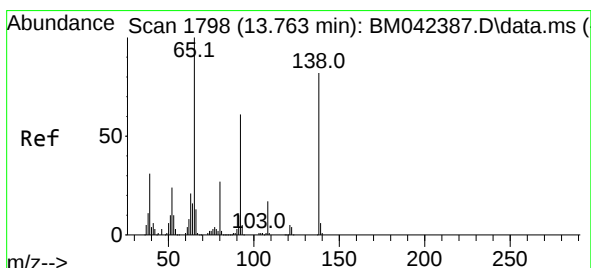
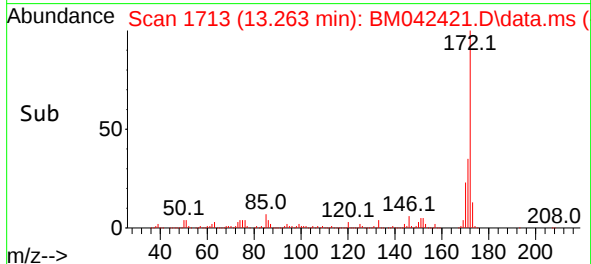
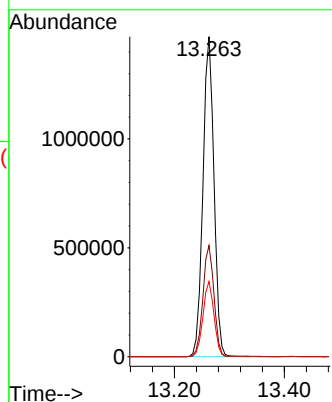
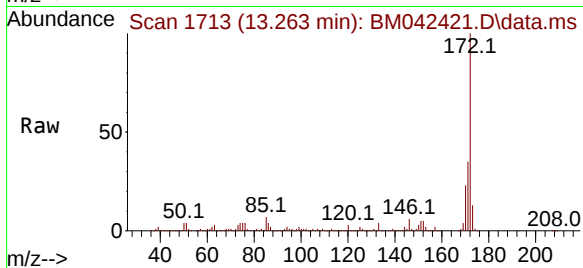
Tgt Ion:172 Resp: 2053873

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.5 18.9 28.3



#48

2-Nitroaniline

Concen: 3.647 ng

RT: 13.798 min Scan# 1804

Delta R.T. 0.035 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

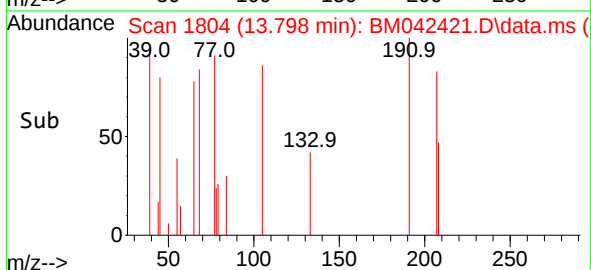
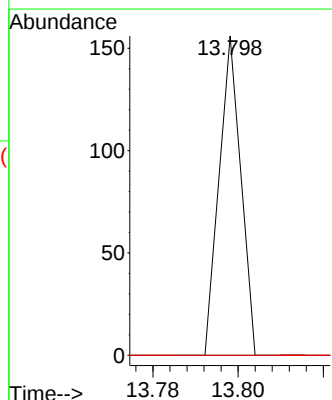
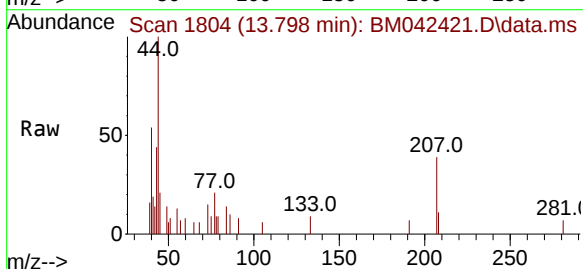
Tgt Ion: 65 Resp: 55

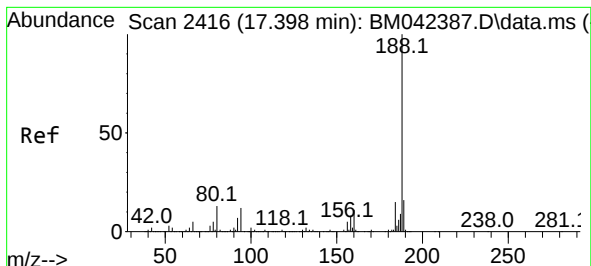
Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.6#

138 0.0 65.5 98.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.392 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Instrument :

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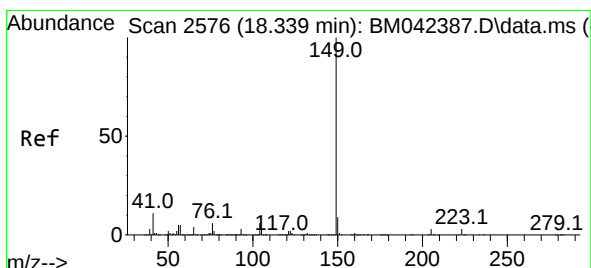
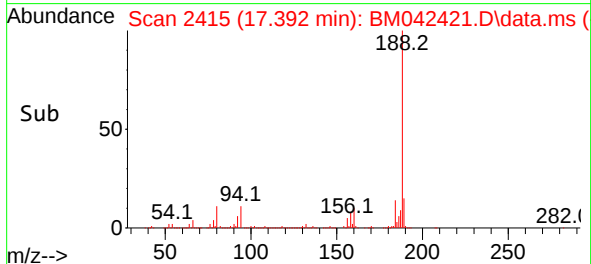
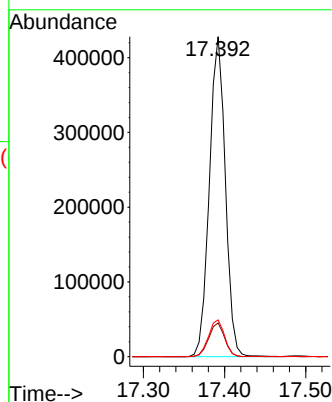
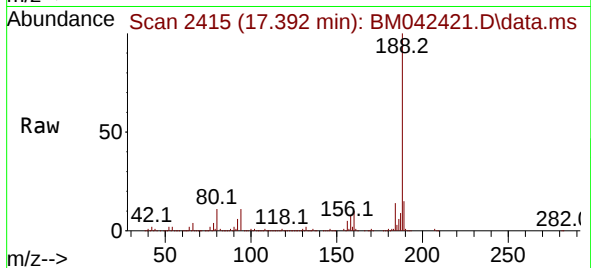
Tgt Ion:188 Resp: 582722

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.0

80 11.5 10.7 16.1



#74

Di-n-butylphthalate

Concen: 2.926 ng

RT: 18.333 min Scan# 2575

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

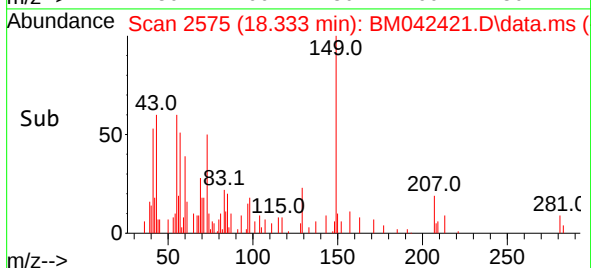
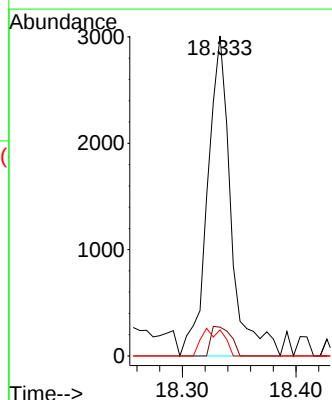
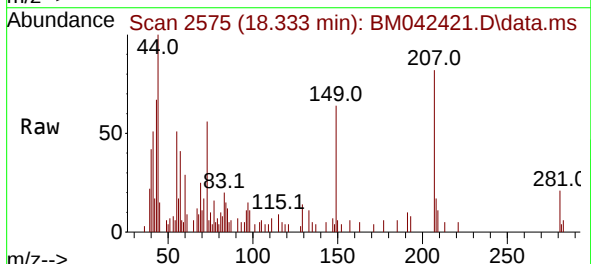
Tgt Ion:149 Resp: 4297

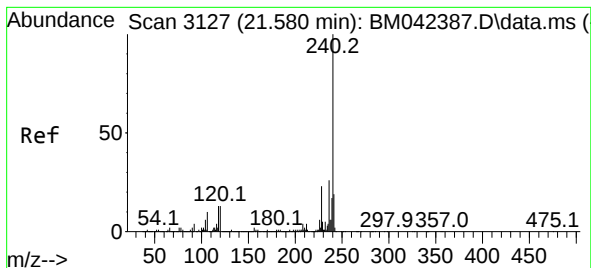
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 8.2 4.6 7.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

Instrument :

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ClientSampleId :

TRENCHWAY-SOIL-PILE

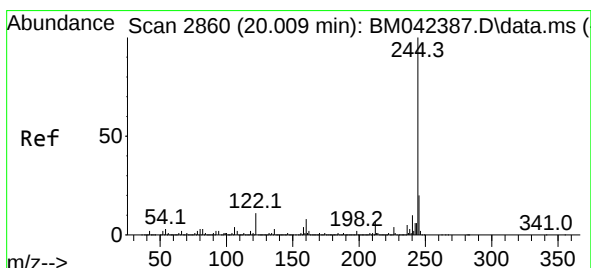
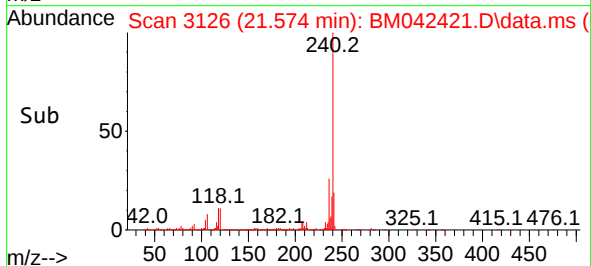
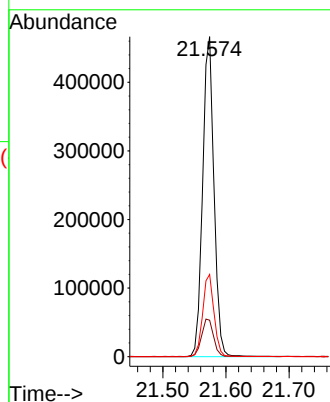
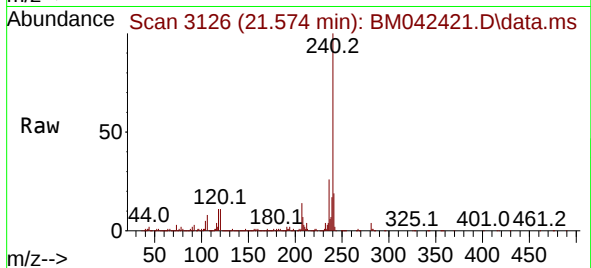
Tgt Ion:240 Resp: 580138

Ion Ratio Lower Upper

240 100

120 11.4 10.7 16.1

236 25.7 20.7 31.1



#79

Terphenyl-d14

Concen: 99.092 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.005 min

Lab File: BM042421.D

Acq: 24 Oct 2023 16:03

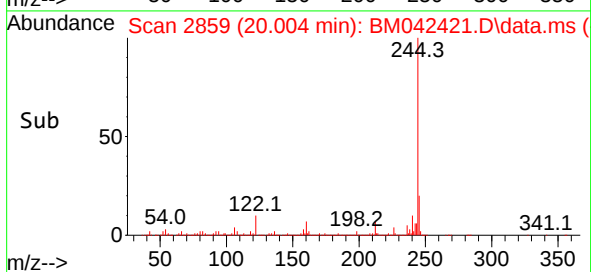
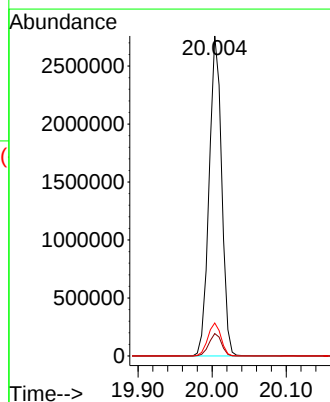
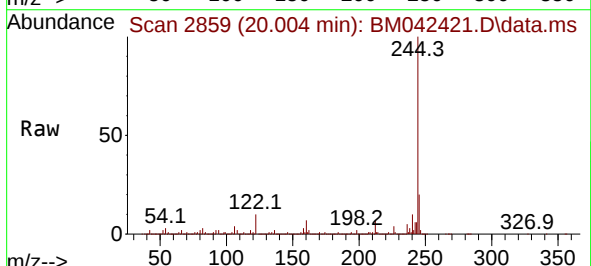
Tgt Ion:244 Resp: 3241473

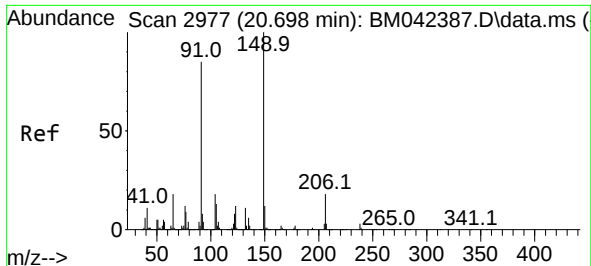
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 8.8 13.2

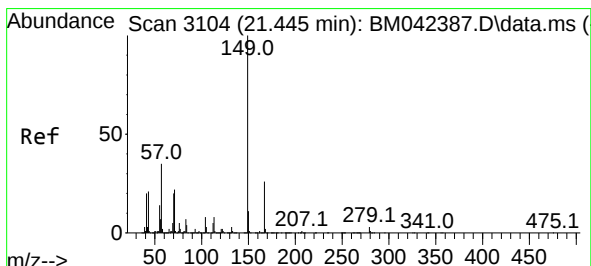
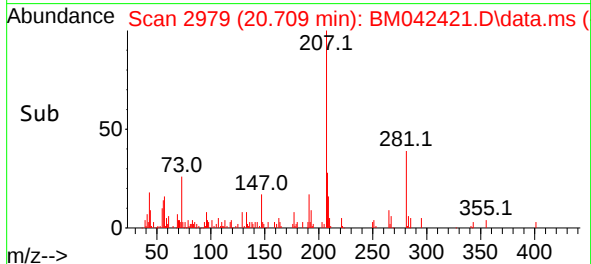
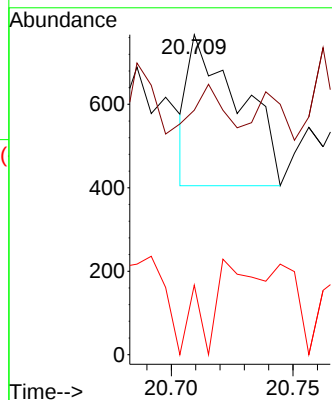
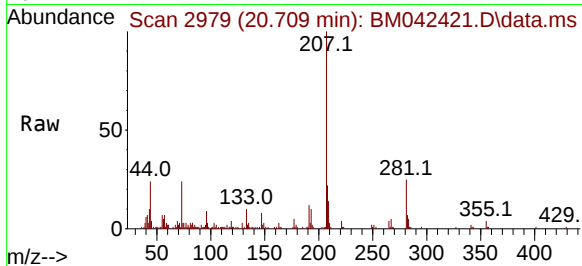




#80
 Butylbenzylphthalate
 Concen: 3.285 ng
 RT: 20.709 min Scan# 2977
 Delta R.T. 0.011 min
 Lab File: BM042421.D
 Acq: 24 Oct 2023 16:03

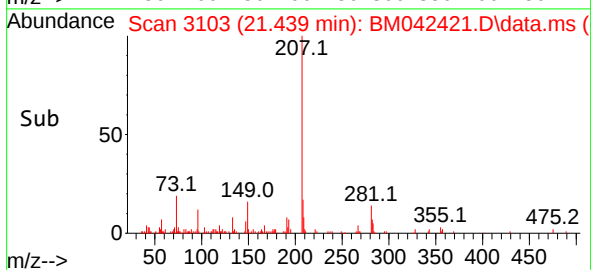
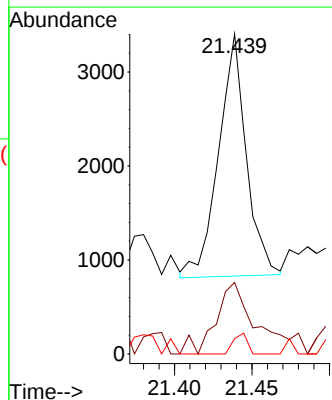
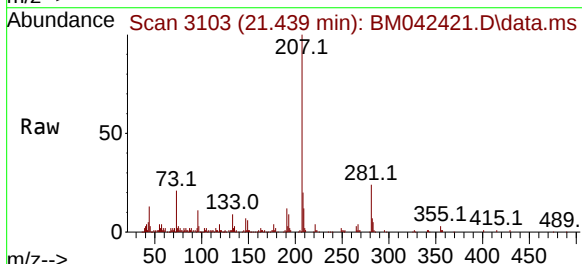
Instrument :
 BNA_M
 ClientSampleId :
 TRENCHWAY-SOIL-PILE

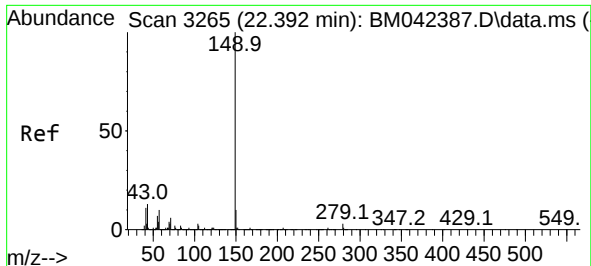
Tgt Ion:149 Resp: 523
 Ion Ratio Lower Upper
 149 100
 91 76.4 68.3 102.5
 206 21.8 14.6 22.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.482 ng
 RT: 21.439 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BM042421.D
 Acq: 24 Oct 2023 16:03

Tgt Ion:149 Resp: 3202
 Ion Ratio Lower Upper
 149 100
 167 22.4 20.9 31.3
 279 4.8 2.7 4.1#

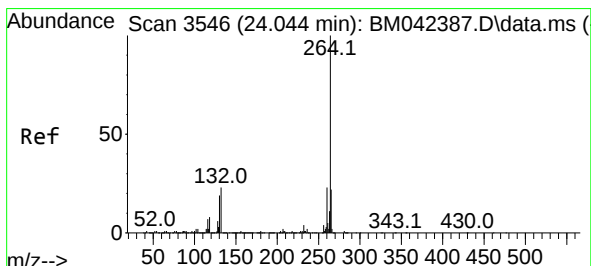
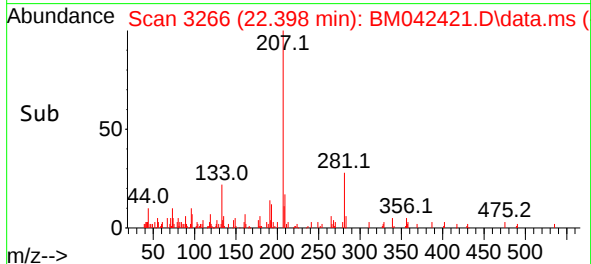
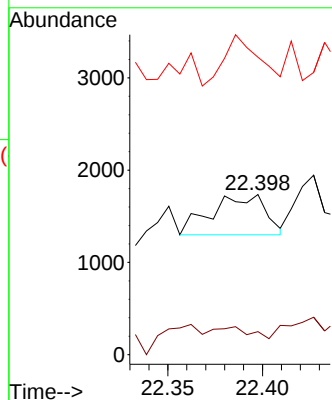
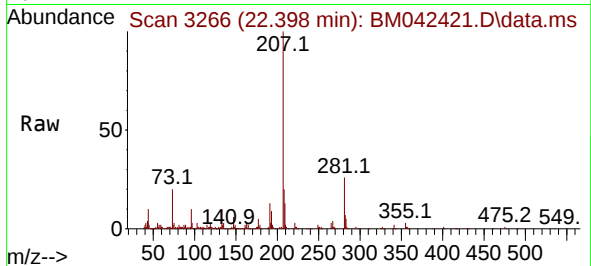




#85
Di-n-octyl phthalate
Concen: 4.236 ng
RT: 22.398 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM042421.D
Acq: 24 Oct 2023 16:03

Instrument :
BNA_M
ClientSampleId :
TRENCHWAY-SOIL-PILE

Tgt Ion:149 Resp: 857
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 82.1 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.039 min Scan# 3545
Delta R.T. -0.006 min
Lab File: BM042421.D
Acq: 24 Oct 2023 16:03

Tgt Ion:264 Resp: 668208
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.4 17.8 26.8

