

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032724\
 Data File : BM044788.D
 Acq On : 27 Mar 2024 20:33
 Operator : MA/JU
 Sample : P1869-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-2

Quant Time: Mar 28 01:01:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

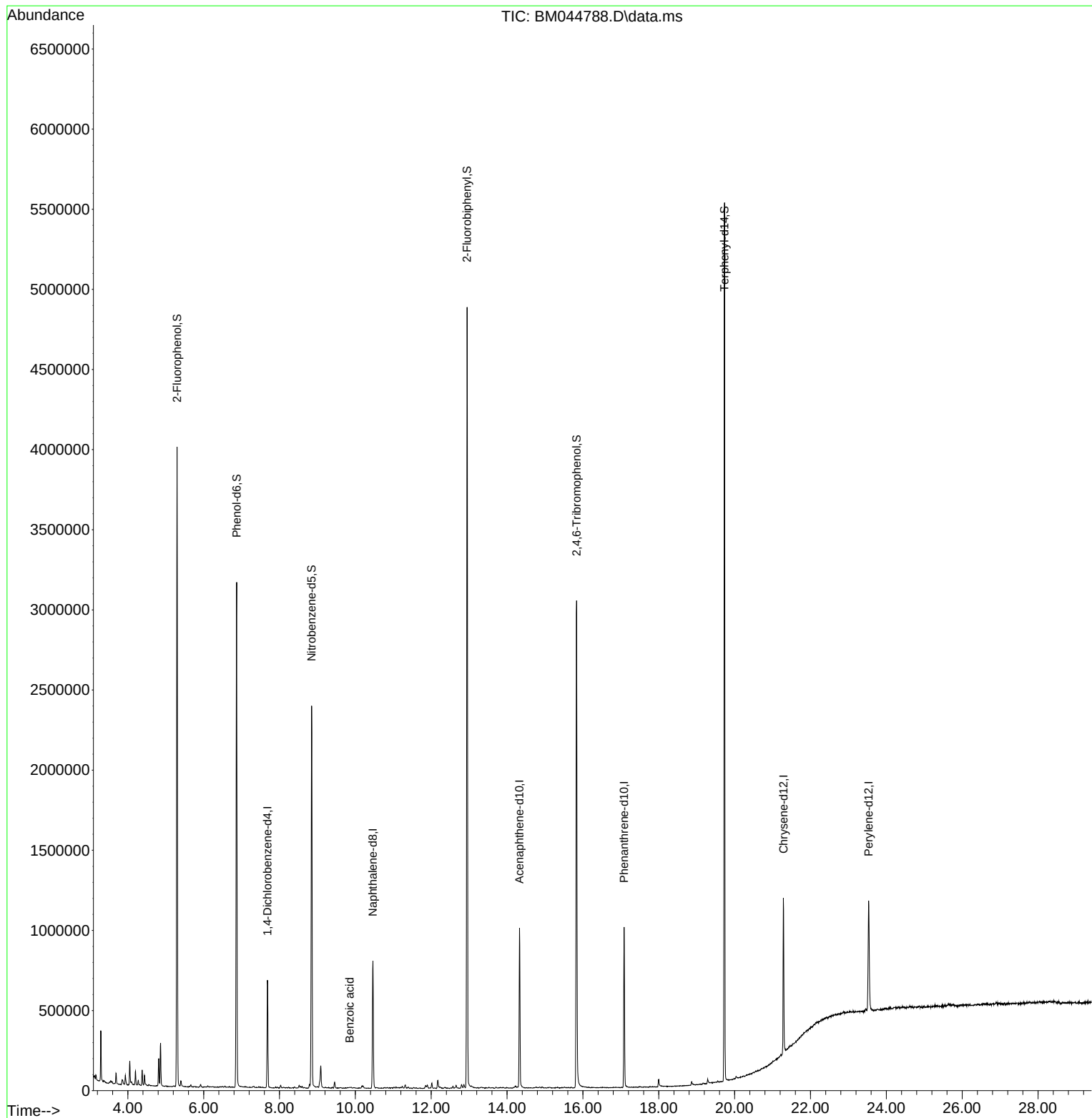
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	173746	20.000	ng	-0.02
21) Naphthalene-d8	10.463	136	642466	20.000	ng	-0.02
39) Acenaphthene-d10	14.327	164	343983	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	594898	20.000	ng	-0.02
76) Chrysene-d12	21.286	240	460844	20.000	ng	-0.02
86) Perylene-d12	23.532	264	529867	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	1530327	126.461	ng	0.00
7) Phenol-d6	6.869	99	1670486	107.301	ng	-0.01
23) Nitrobenzene-d5	8.845	82	1298428	97.363	ng	-0.02
42) 2,4,6-Tribromophenol	15.833	330	547028	144.182	ng	-0.01
45) 2-Fluorobiphenyl	12.945	172	2403260	96.220	ng	-0.02
79) Terphenyl-d14	19.733	244	2591723	98.381	ng	-0.01
Target Compounds						
32) Benzoic acid	9.851	122	816	3.714	ng	Qvalue # 66

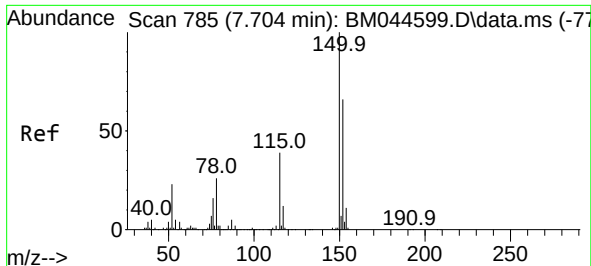
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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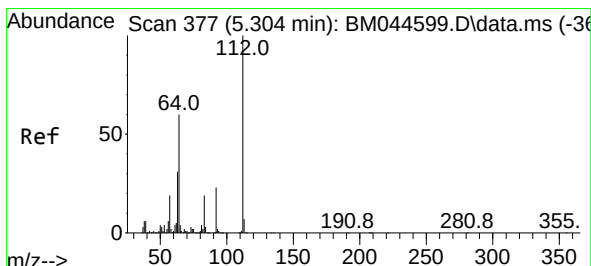
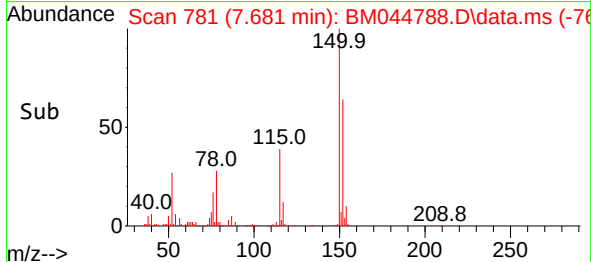
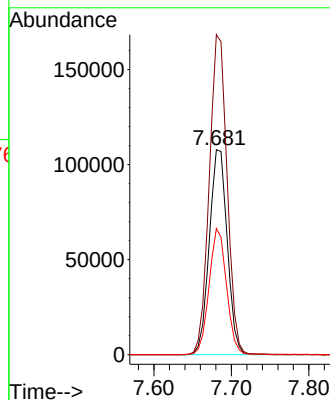
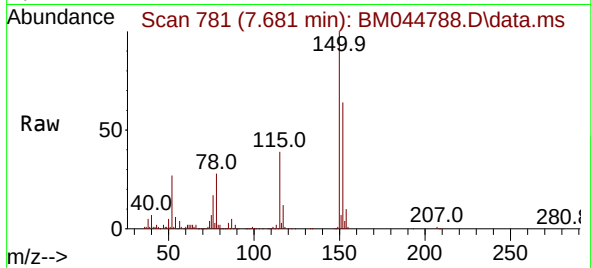




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.023 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

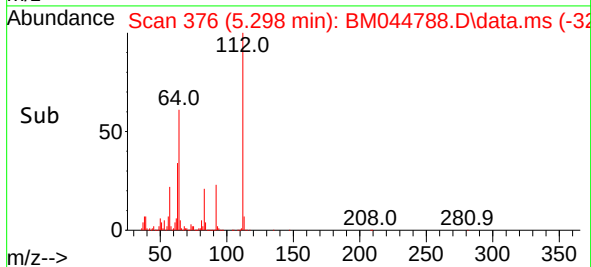
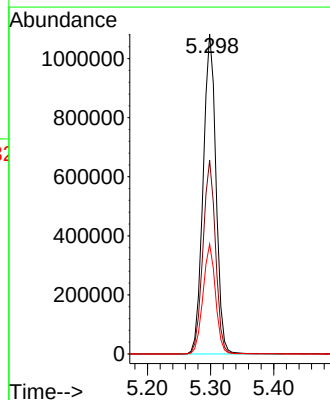
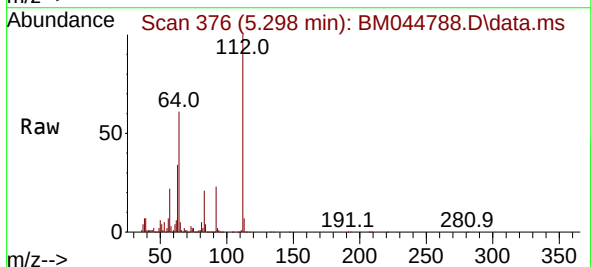
Instrument :
BNA_M
ClientSampleId :
SOIL-2

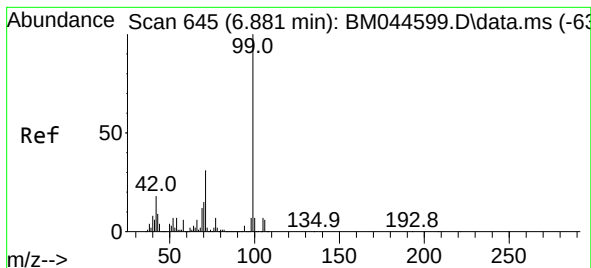
Tgt Ion:152 Resp: 173746
Ion Ratio Lower Upper
152 100
150 156.1 121.9 182.9
115 61.5 47.1 70.7



#5
2-Fluorophenol
Concen: 126.461 ng
RT: 5.298 min Scan# 376
Delta R.T. -0.006 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

Tgt Ion:112 Resp: 1530327
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 34.3 25.0 37.4





#7

Phenol-d6

Concen: 107.301 ng

RT: 6.869 min Scan# 64

Delta R.T. -0.012 min

Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

Instrument :

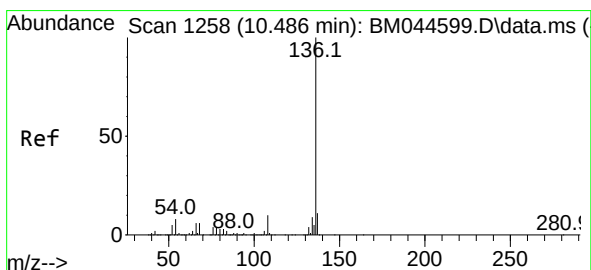
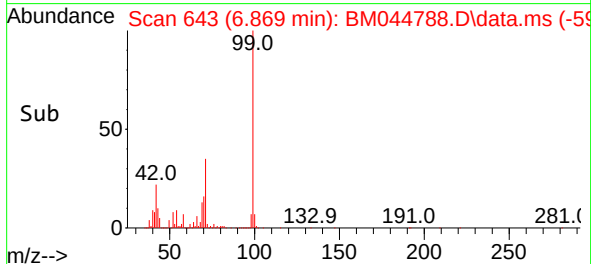
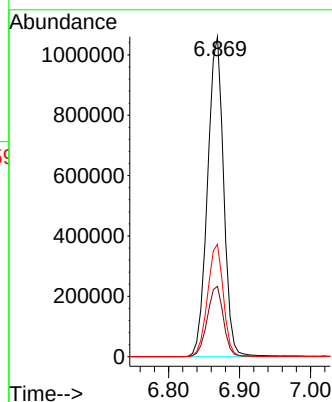
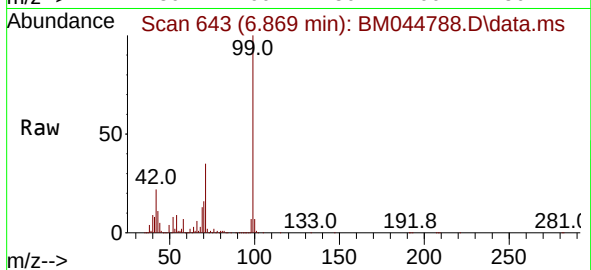
BNA_M

ClientSampleId :

SOIL-2

Tgt Ion: 99 Resp: 1670486

Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.3	21.5#
71	35.1	24.5	36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.463 min Scan# 1254

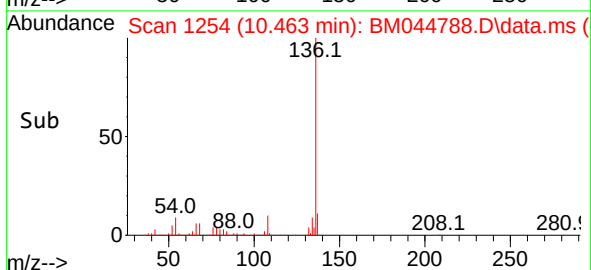
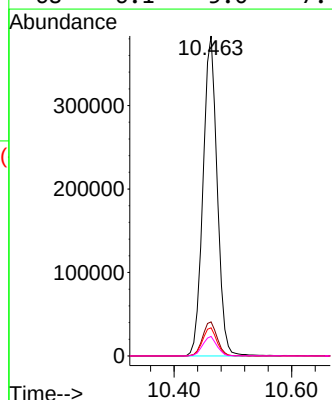
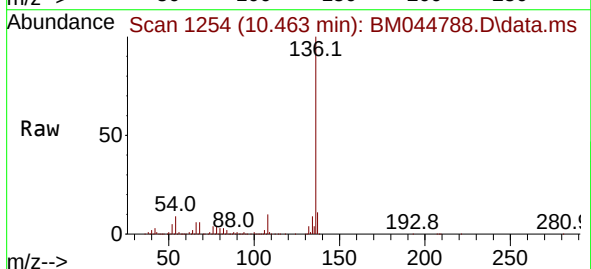
Delta R.T. -0.024 min

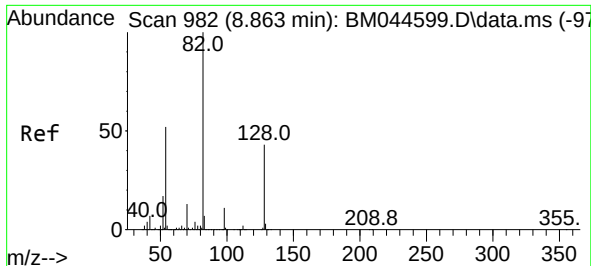
Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

Tgt Ion: 136 Resp: 642466

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.8	6.6	10.0
68	6.1	5.0	7.4

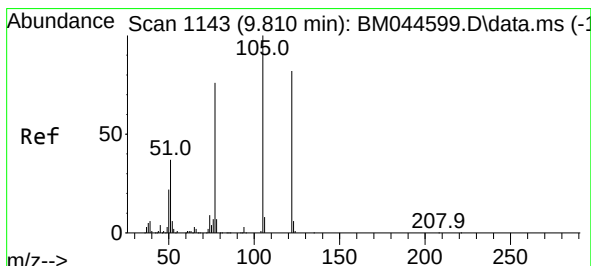
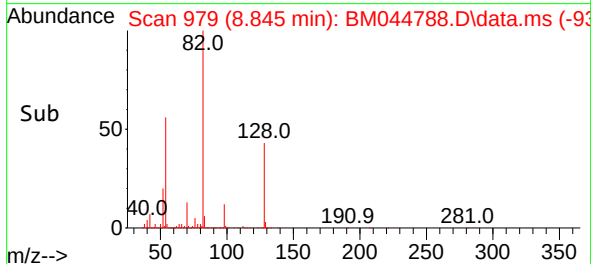
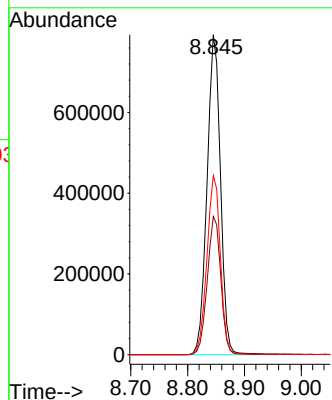
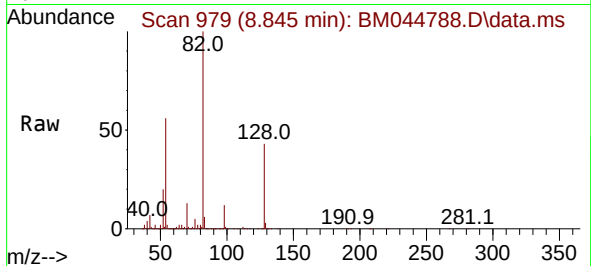




#23
Nitrobenzene-d5
Concen: 97.363 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

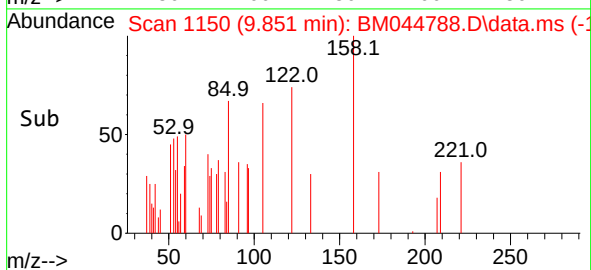
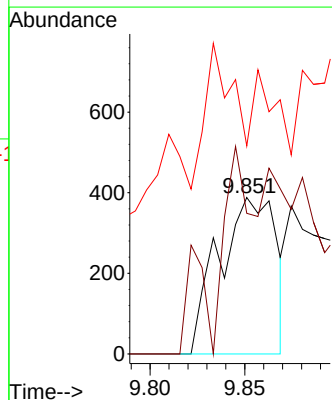
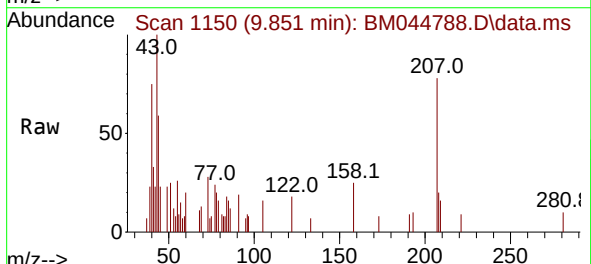
Instrument :
BNA_M
ClientSampleId :
SOIL-2

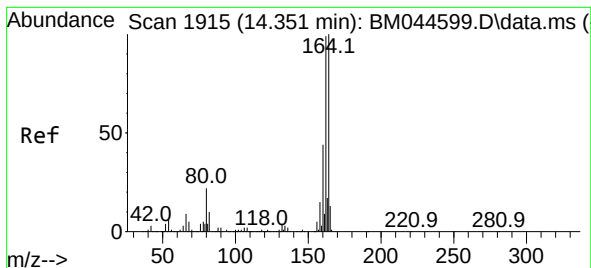
Tgt Ion: 82 Resp: 1298428
Ion Ratio Lower Upper
82 100
128 43.2 34.2 51.4
54 55.9 41.3 61.9



#32
Benzoic acid
Concen: 3.714 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.041 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

Tgt Ion:122 Resp: 816
Ion Ratio Lower Upper
122 100
105 89.9 100.0 140.0#
77 133.0 72.5 112.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.327 min Scan# 1915

Delta R.T. -0.024 min

Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

Instrument :

BNA_M

ClientSampleId :

SOIL-2

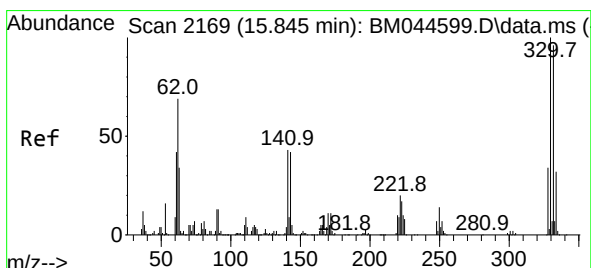
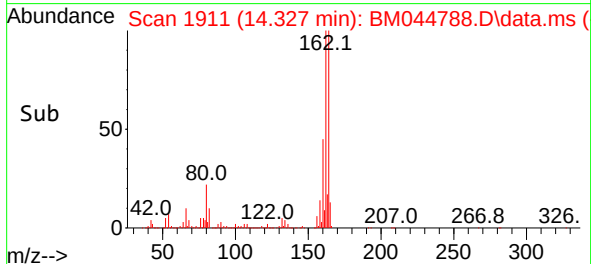
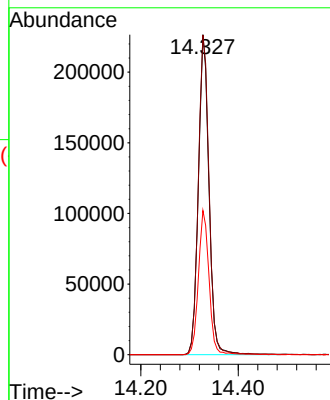
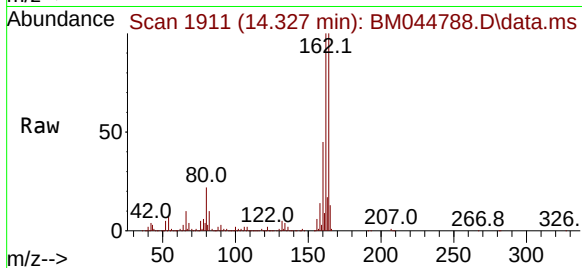
Tgt Ion:164 Resp: 343983

Ion Ratio Lower Upper

164 100

162 99.9 79.3 118.9

160 45.1 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 144.182 ng

RT: 15.833 min Scan# 2167

Delta R.T. -0.012 min

Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

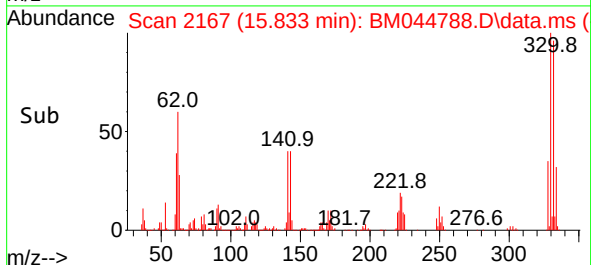
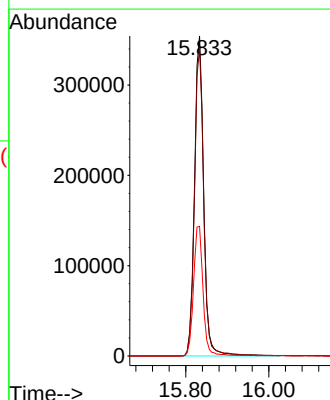
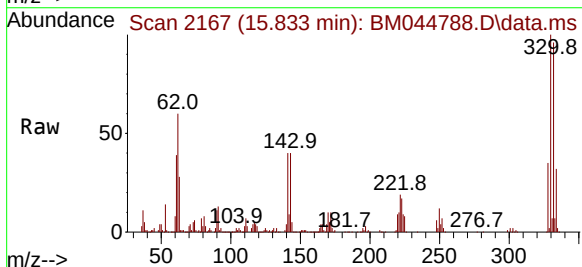
Tgt Ion:330 Resp: 547028

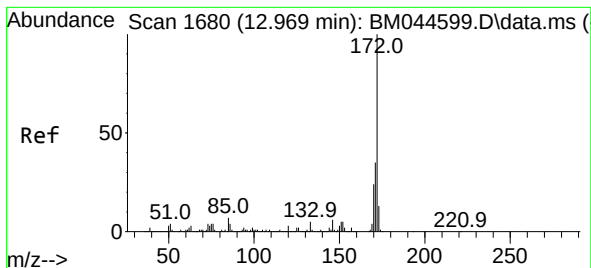
Ion Ratio Lower Upper

330 100

332 96.0 77.8 116.8

141 42.0 33.4 50.0





#45

2-Fluorobiphenyl

Concen: 96.220 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.024 min

Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

Instrument :

BNA_M

ClientSampleId :

SOIL-2

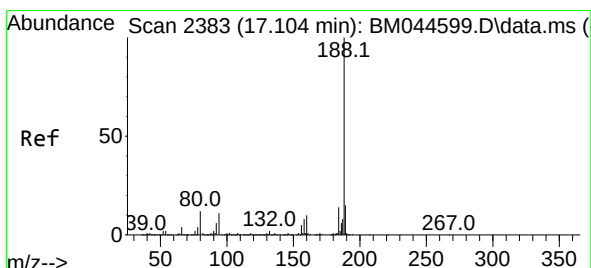
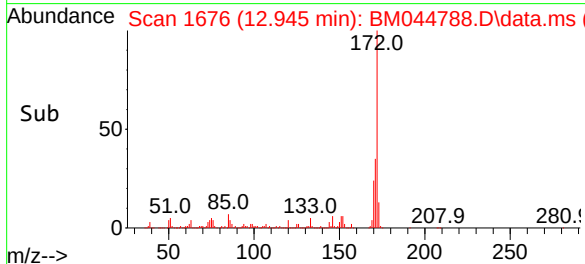
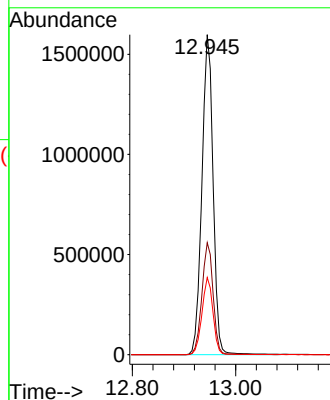
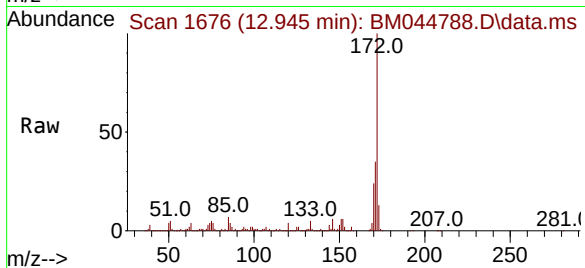
Tgt Ion:172 Resp: 2403260

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 24.1 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.086 min Scan# 2380

Delta R.T. -0.018 min

Lab File: BM044788.D

Acq: 27 Mar 2024 20:33

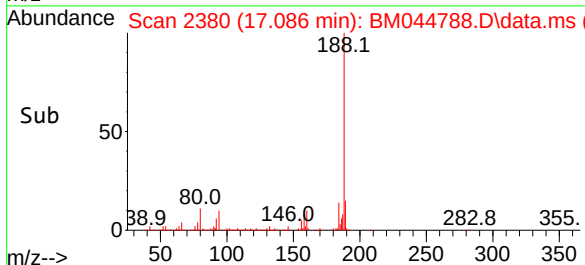
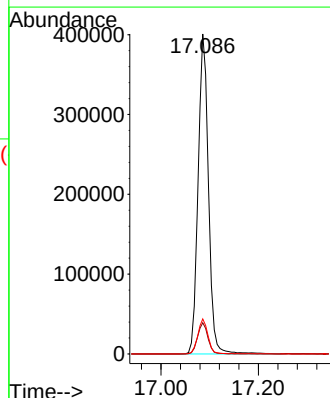
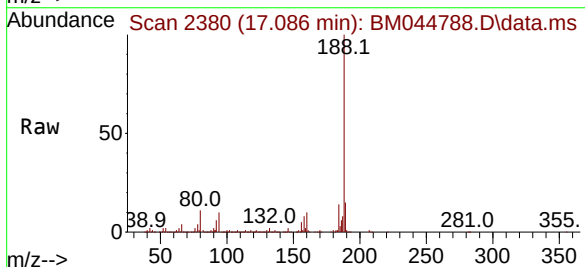
Tgt Ion:188 Resp: 594898

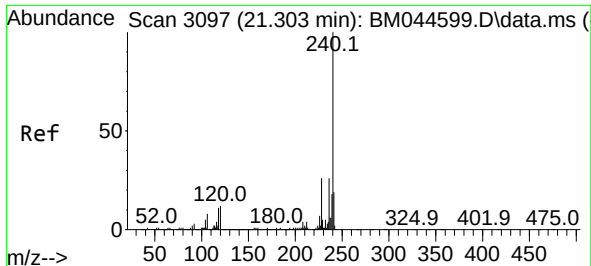
Ion Ratio Lower Upper

188 100

94 9.7 8.4 12.6

80 11.0 9.4 14.0

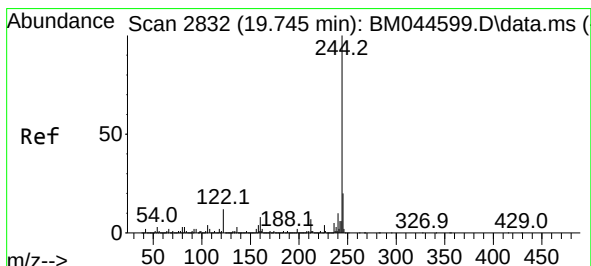
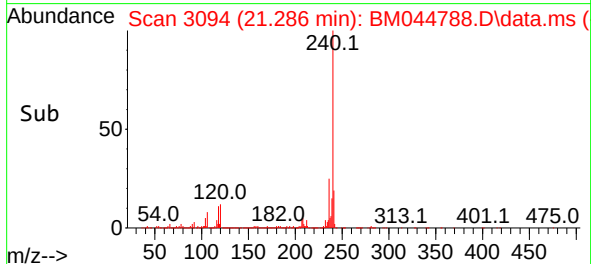
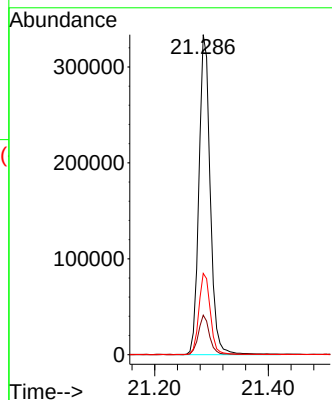
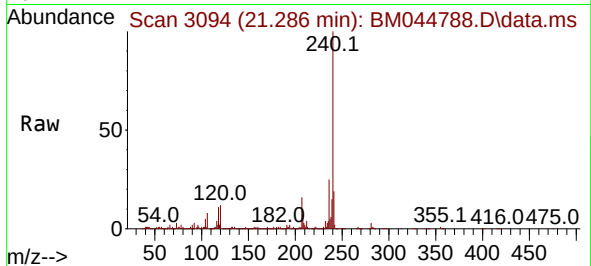




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.286 min Scan# 30
Delta R.T. -0.018 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

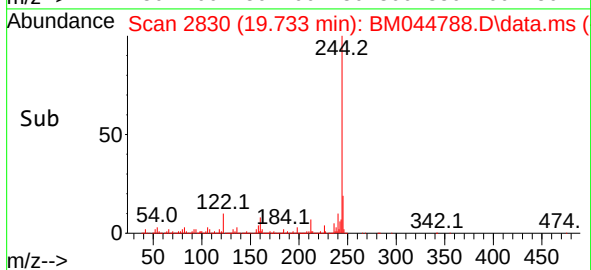
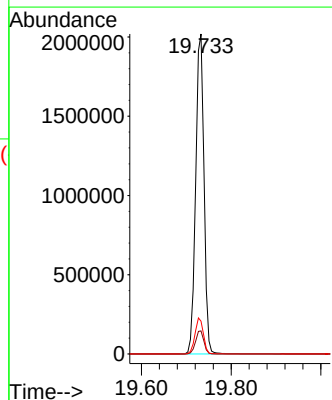
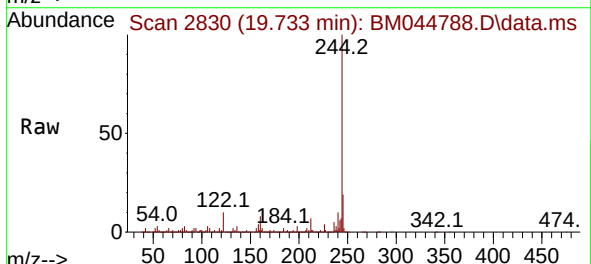
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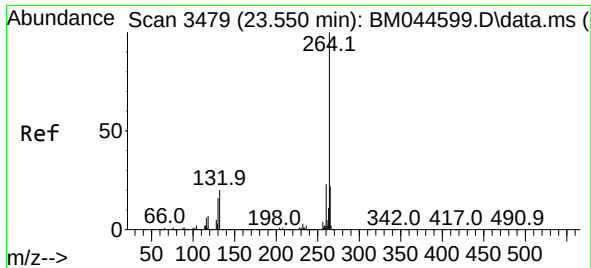
Tgt Ion:240 Resp: 460844
Ion Ratio Lower Upper
240 100
120 12.3 9.7 14.5
236 25.4 21.0 31.4



#79
Terphenyl-d14
Concen: 98.381 ng
RT: 19.733 min Scan# 2830
Delta R.T. -0.012 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

Tgt Ion:244 Resp: 2591723
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 10.3 9.7 14.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.532 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM044788.D
Acq: 27 Mar 2024 20:33

Instrument :
BNA_M
ClientSampleId :
SOIL-2

Tgt Ion:264 Resp: 529867

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	23.4	17.5	26.3

