

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
 Data File : BM044767.D
 Acq On : 26 Mar 2024 14:11
 Operator : MA/JU
 Sample : P1863-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE-COMP

Quant Time: Mar 26 14:39:33 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)

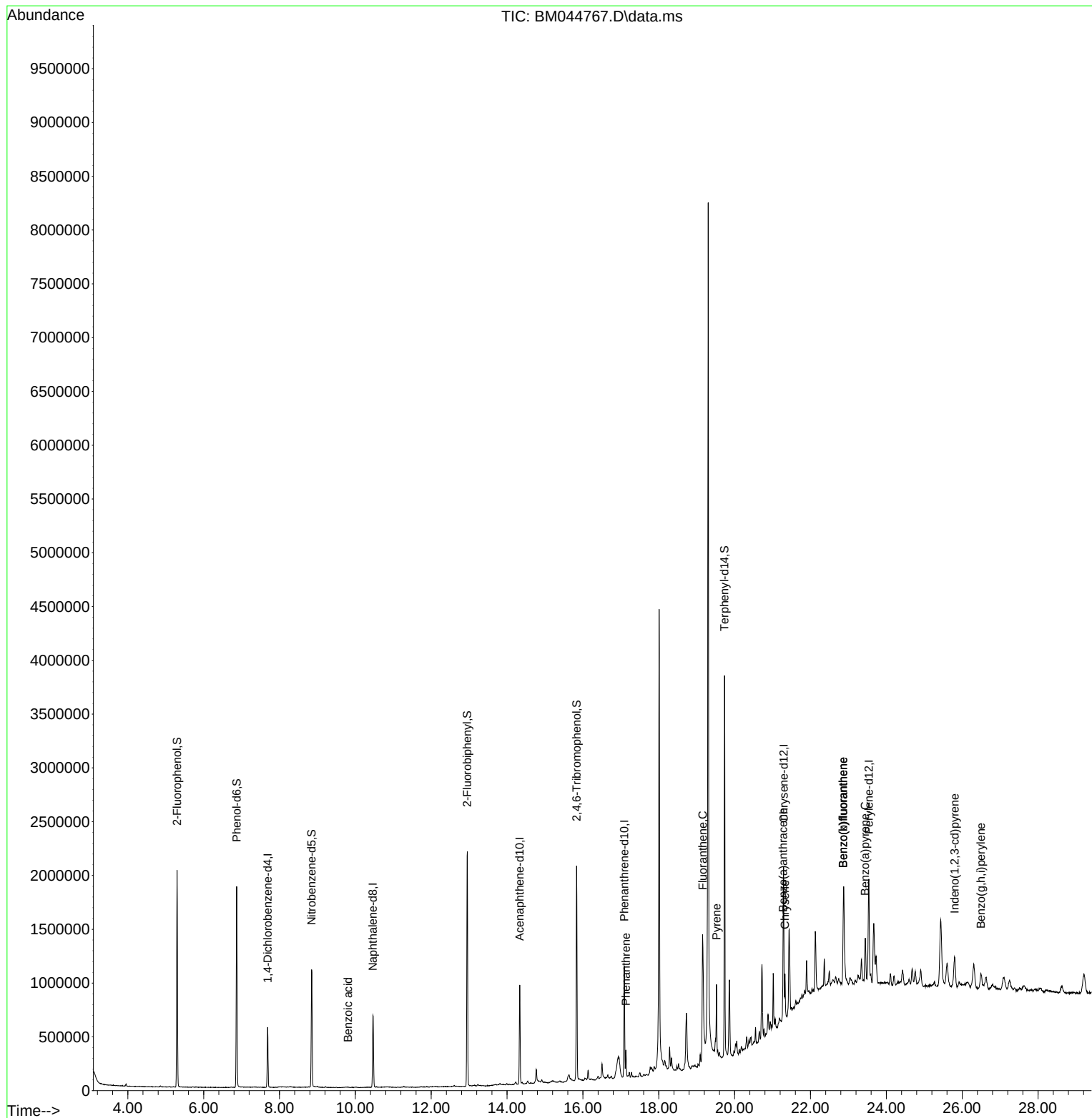
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.686	152	141320	20.000	ng	-0.02
21) Naphthalene-d8	10.463	136	550476	20.000	ng	-0.02
39) Acenaphthene-d10	14.333	164	313440	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	608520	20.000	ng	-0.01
76) Chrysene-d12	21.291	240	569662	20.000	ng	-0.01
86) Perylene-d12	23.538	264	692281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	803820	81.666	ng	0.00
7) Phenol-d6	6.869	99	1003494	79.248	ng	-0.01
23) Nitrobenzene-d5	8.845	82	614604	53.788	ng	-0.02
42) 2,4,6-Tribromophenol	15.833	330	329322	95.259	ng	-0.01
45) 2-Fluorobiphenyl	12.951	172	1125088	49.435	ng	-0.02
79) Terphenyl-d14	19.733	244	1582511	48.597	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.804	122	298	3.660	ng	# 72
71) Phenanthrene	17.133	178	142961	4.251	ng	99
75) Fluoranthene	19.156	202	429054	11.414	ng	98
78) Pyrene	19.521	202	379032	9.078	ng	100
81) Benzo(a)anthracene	21.274	228	198534	5.009	ng	99
83) Chrysene	21.327	228	222772	5.882	ng	97
87) Indeno(1,2,3-cd)pyrene	25.803	276	167354	3.344	ng	95
88) Benzo(b)fluoranthene	22.862	252	430696	10.587	ng	97
89) Benzo(k)fluoranthene	22.862	252	430696	10.298	ng	# 96
90) Benzo(a)pyrene	23.438	252	218939	5.517	ng	96
92) Benzo(g,h,i)perylene	26.491	276	166578	4.011	ng	96

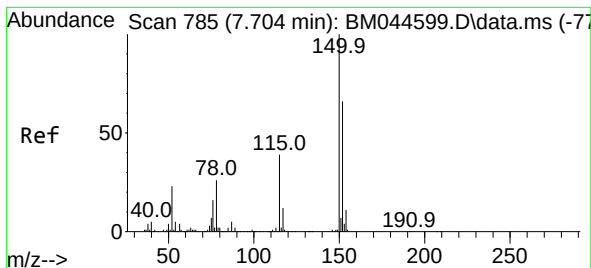
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
Data File : BM044767.D
Acq On : 26 Mar 2024 14:11
Operator : MA/JU
Sample : P1863-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

Quant Time: Mar 26 14:39:33 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

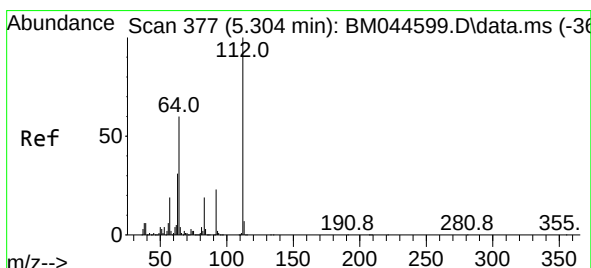
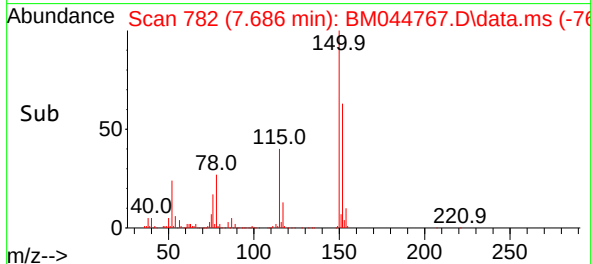
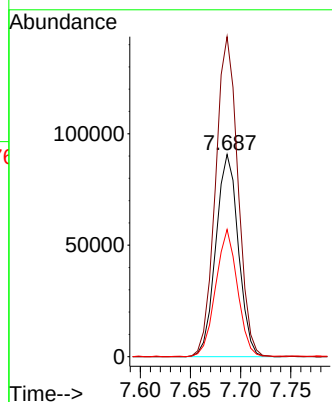
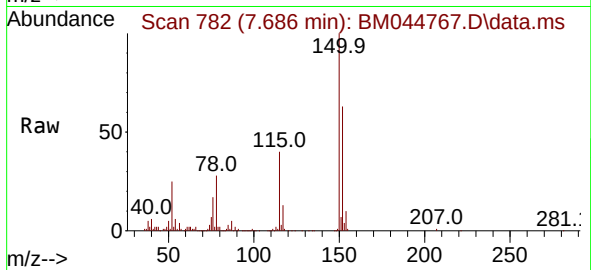




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.686 min Scan# 71
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

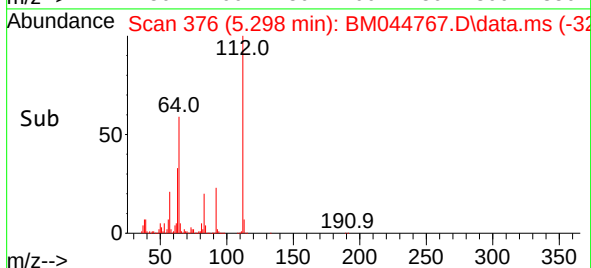
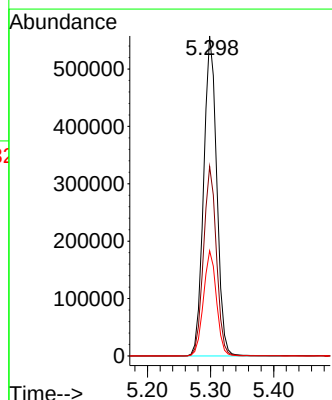
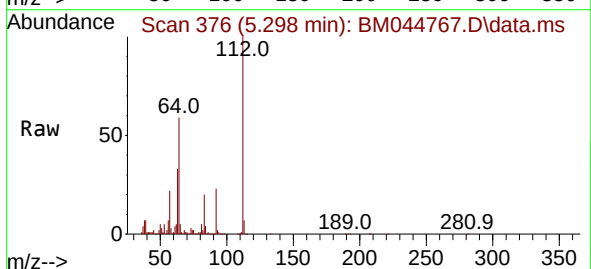
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

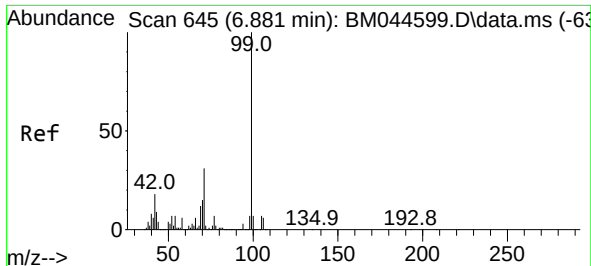
Tgt Ion:152 Resp: 141320
Ion Ratio Lower Upper
152 100
150 158.3 121.9 182.9
115 62.9 47.1 70.7



#5
2-Fluorophenol
Concen: 81.666 ng
RT: 5.298 min Scan# 376
Delta R.T. -0.006 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:112 Resp: 803820
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 32.9 25.0 37.4

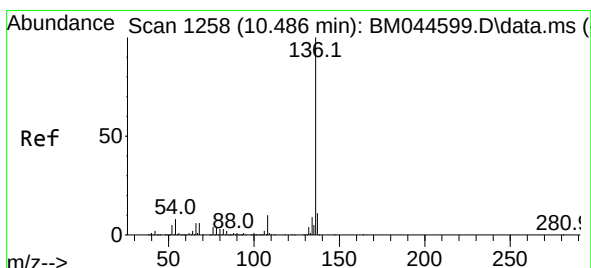
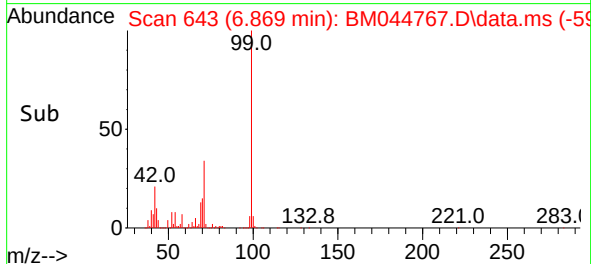
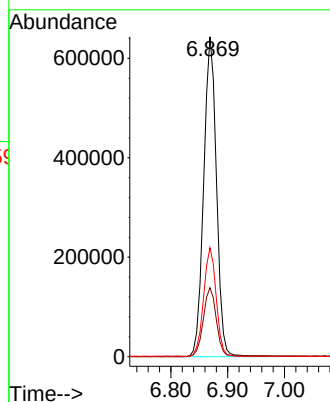
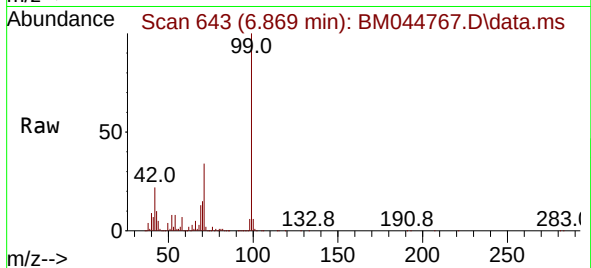




#7
Phenol-d6
Concen: 79.248 ng
RT: 6.869 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

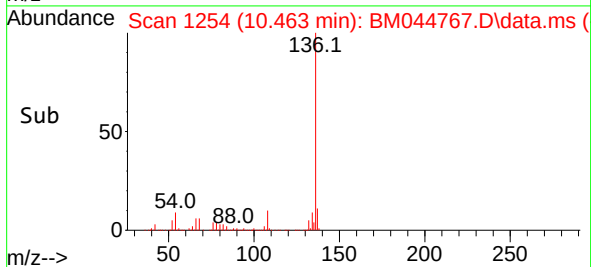
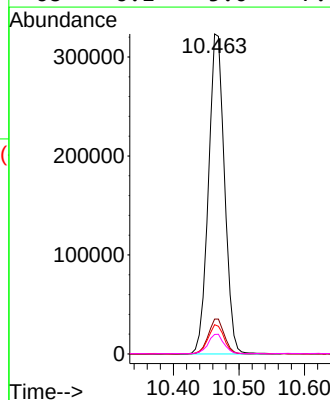
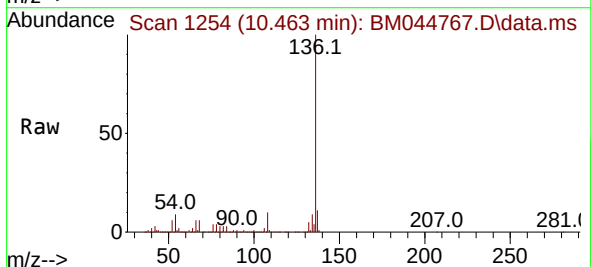
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

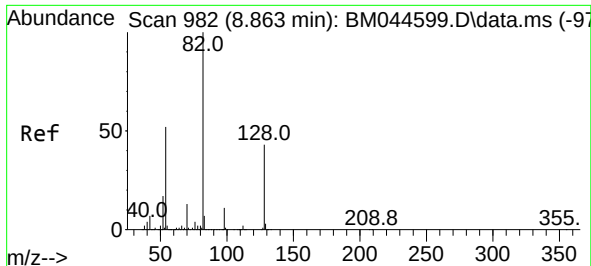
Tgt Ion: 99 Resp: 1003494
Ion Ratio Lower Upper
99 100
42 21.5 14.3 21.5#
71 34.1 24.5 36.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.463 min Scan# 1254
Delta R.T. -0.024 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:136 Resp: 550476
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.2 6.6 10.0
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 53.788 ng

RT: 8.845 min Scan# 91

Delta R.T. -0.018 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

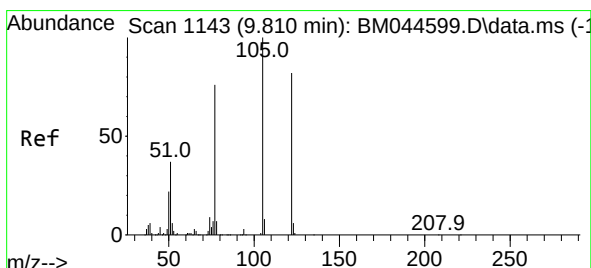
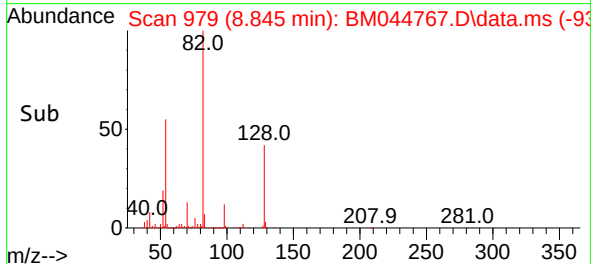
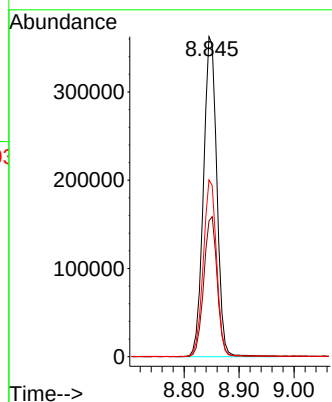
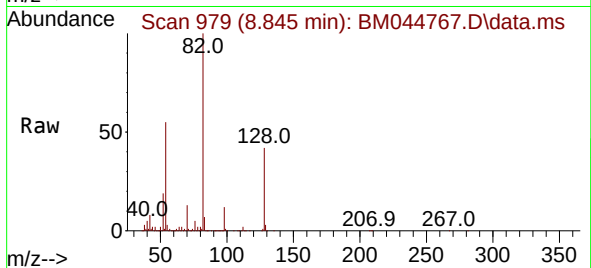
Tgt Ion: 82 Resp: 614604

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.4

54 55.2 41.3 61.9



#32

Benzoic acid

Concen: 3.660 ng

RT: 9.804 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

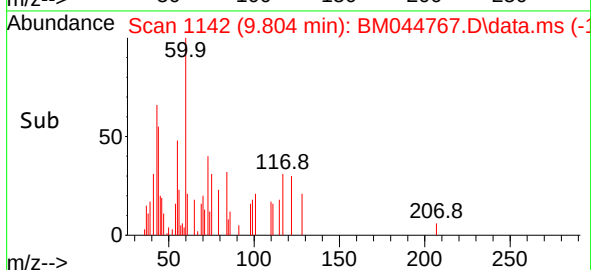
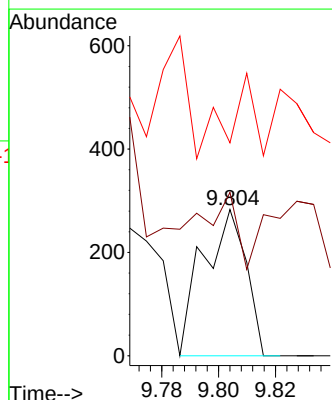
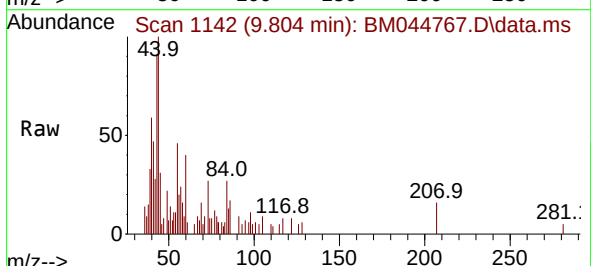
Tgt Ion: 122 Resp: 298

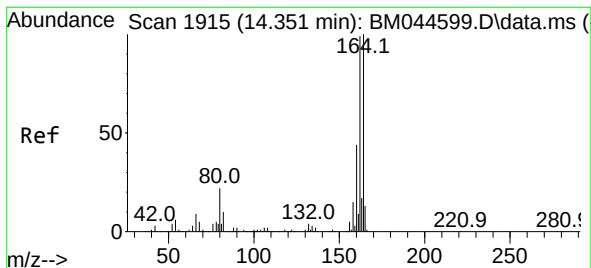
Ion Ratio Lower Upper

122 100

105 111.7 100.0 140.0

77 145.6 72.5 112.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.333 min Scan# 1915

Delta R.T. -0.018 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

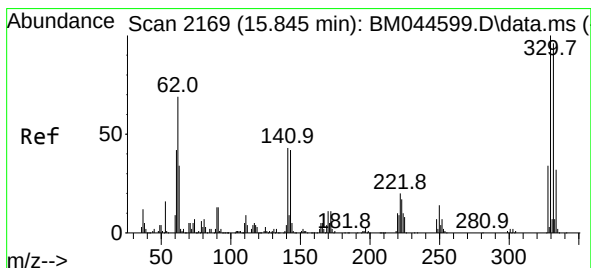
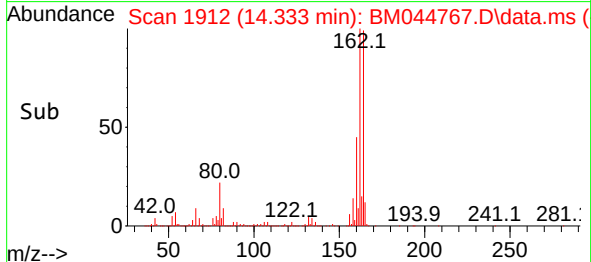
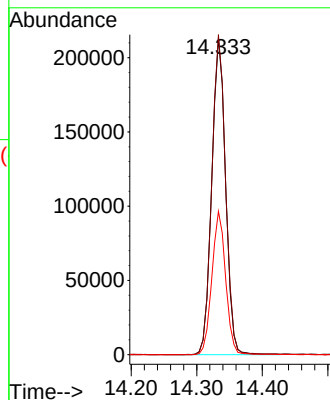
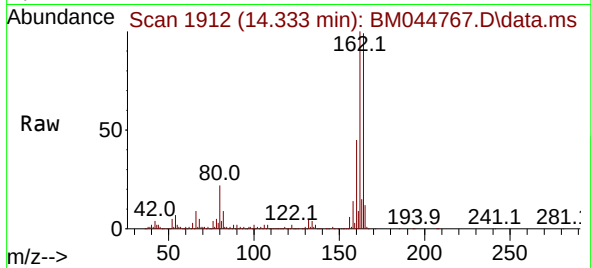
Tgt Ion:164 Resp: 313440

Ion Ratio Lower Upper

164 100

162 101.2 79.3 118.9

160 45.4 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 95.259 ng

RT: 15.833 min Scan# 2167

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

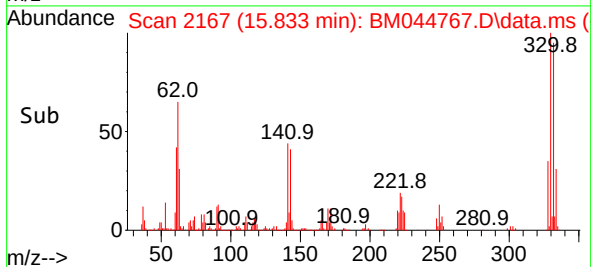
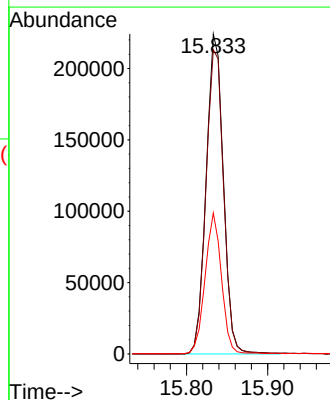
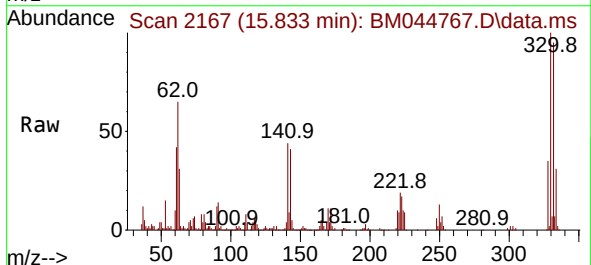
Tgt Ion:330 Resp: 329322

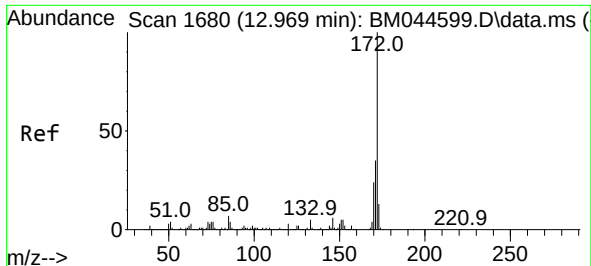
Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.8

141 41.7 33.4 50.0

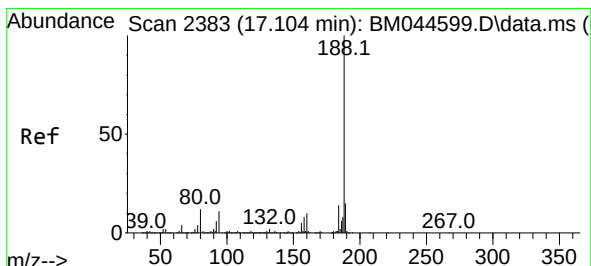
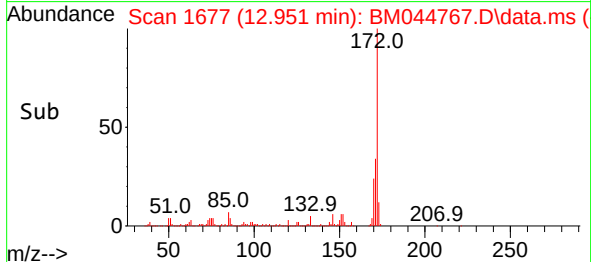
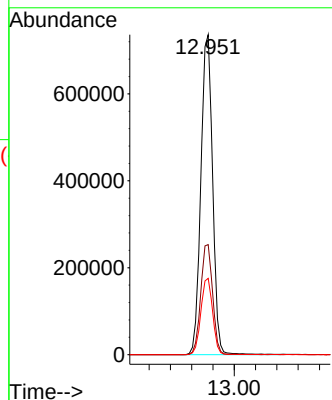
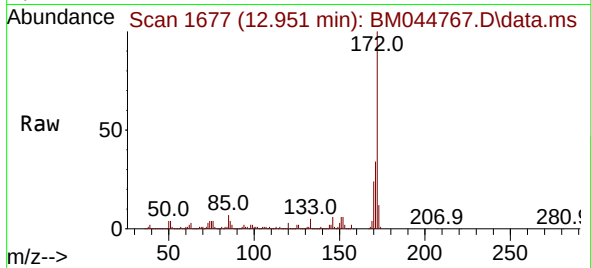




#45
2-Fluorobiphenyl
Concen: 49.435 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

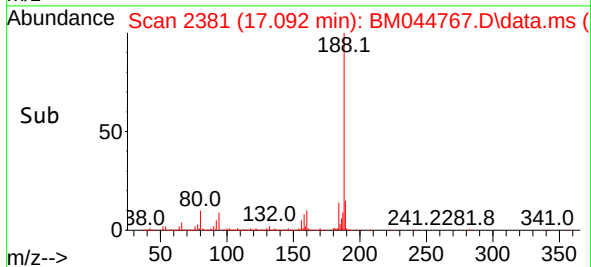
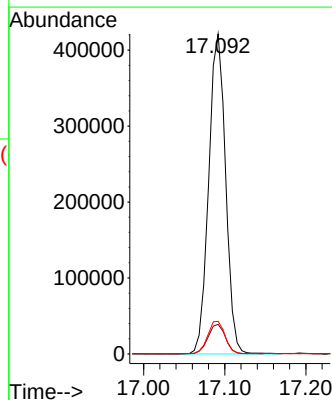
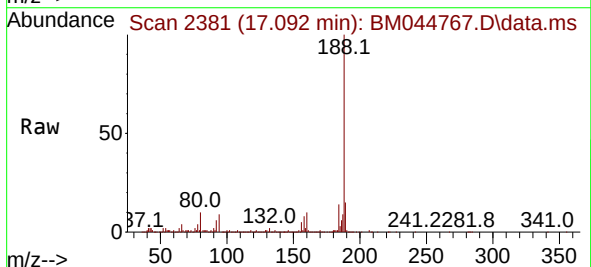
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

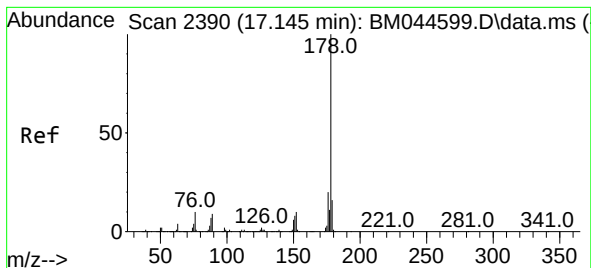
Tgt Ion:172 Resp: 1125088
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.9 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:188 Resp: 608520
Ion Ratio Lower Upper
188 100
94 9.3 8.4 12.6
80 10.2 9.4 14.0





#71

Phenanthrene

Concen: 4.251 ng

RT: 17.133 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

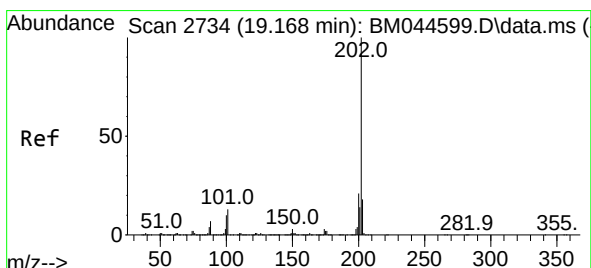
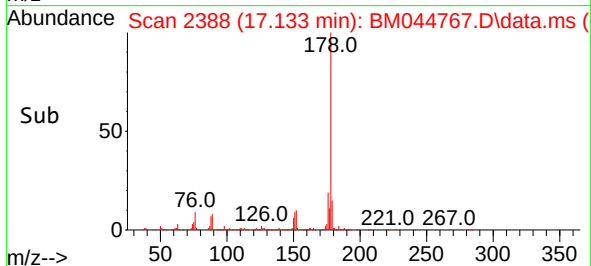
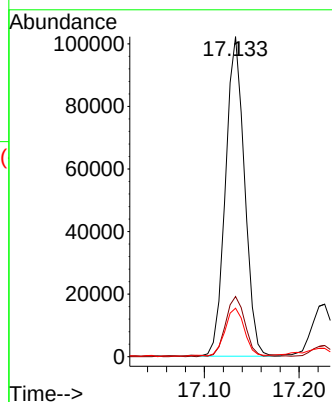
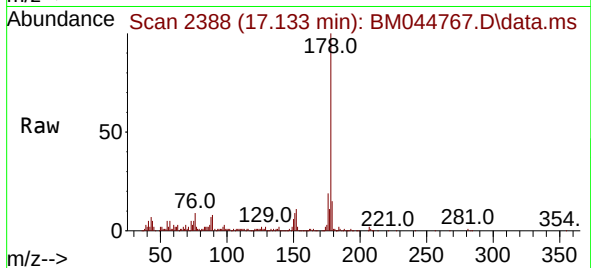
Tgt Ion:178 Resp: 142961

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 15.2 12.4 18.6



#75

Fluoranthene

Concen: 11.414 ng

RT: 19.156 min Scan# 2732

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

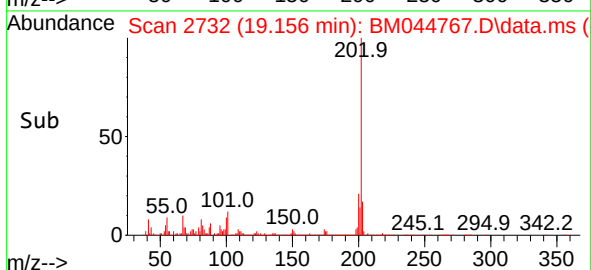
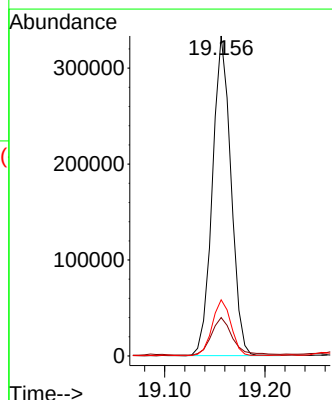
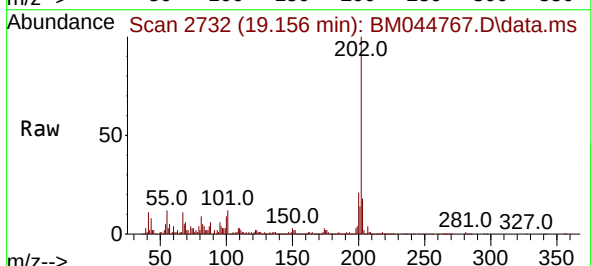
Tgt Ion:202 Resp: 429054

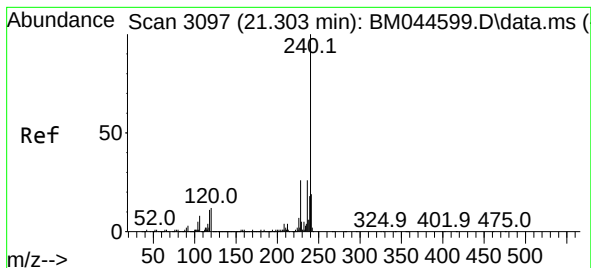
Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.3

203 17.6 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.291 min Scan# 30

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

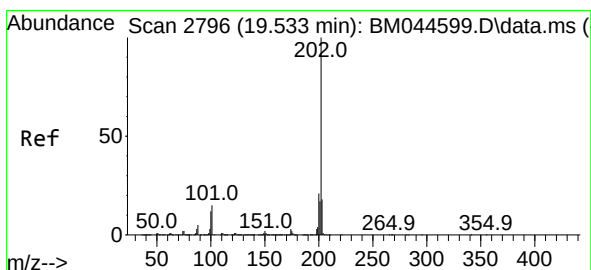
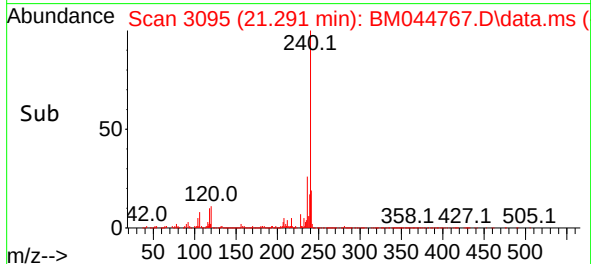
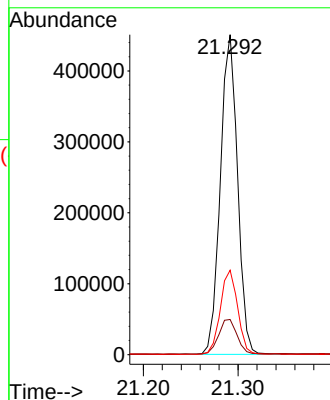
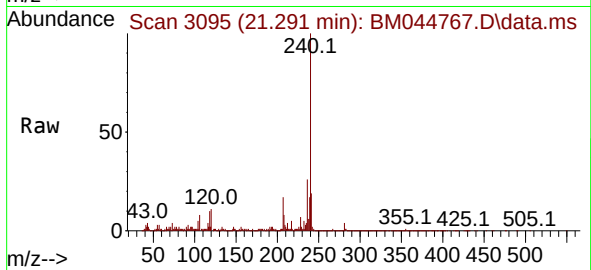
Tgt Ion:240 Resp: 569662

Ion Ratio Lower Upper

240 100

120 11.0 9.7 14.5

236 26.4 21.0 31.4



#78

Pyrene

Concen: 9.078 ng

RT: 19.521 min Scan# 2794

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

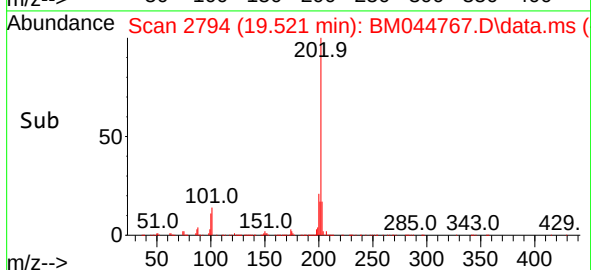
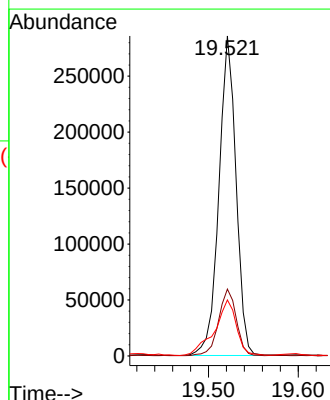
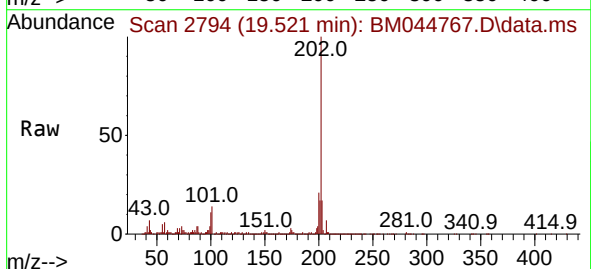
Tgt Ion:202 Resp: 379032

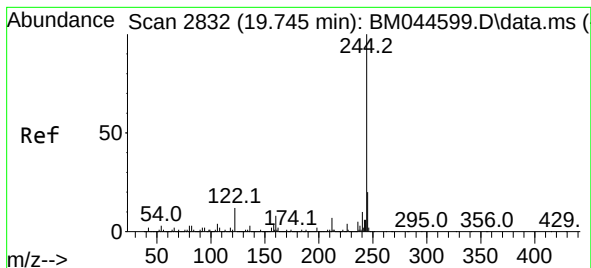
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 48.597 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

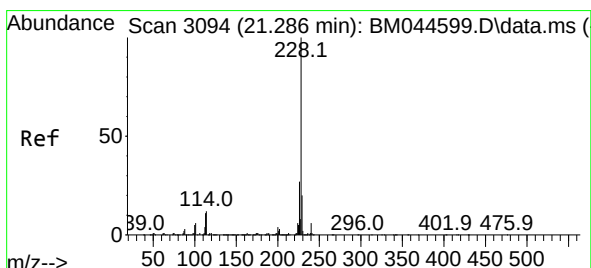
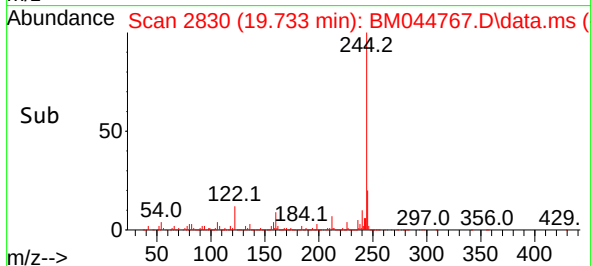
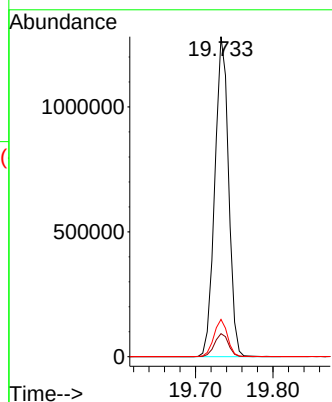
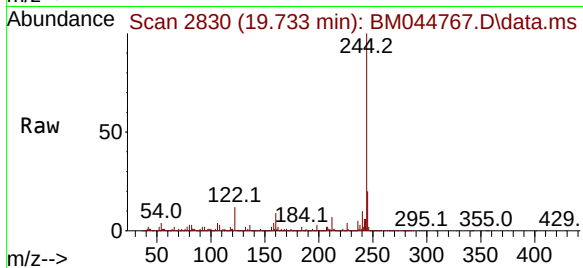
Tgt Ion:244 Resp: 1582511

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 11.7 9.7 14.5



#81

Benzo(a)anthracene

Concen: 5.009 ng

RT: 21.274 min Scan# 3092

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

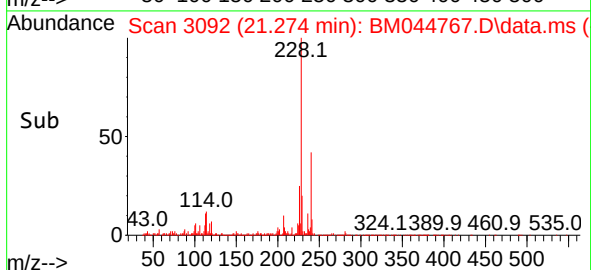
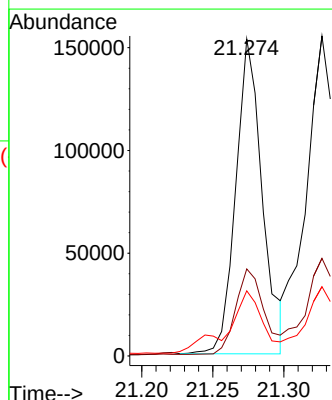
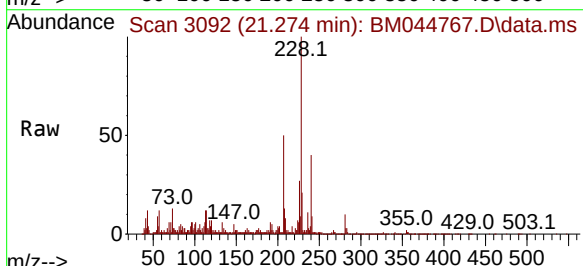
Tgt Ion:228 Resp: 198534

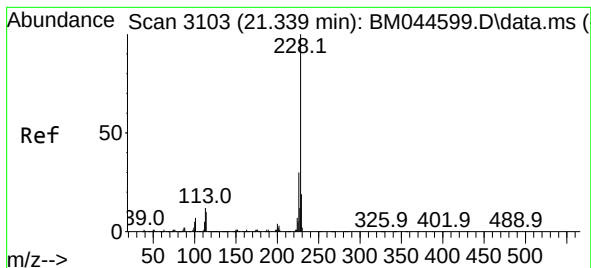
Ion Ratio Lower Upper

228 100

226 27.5 21.9 32.9

229 20.5 15.9 23.9





#83

Chrysene

Concen: 5.882 ng

RT: 21.327 min Scan# 3101

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

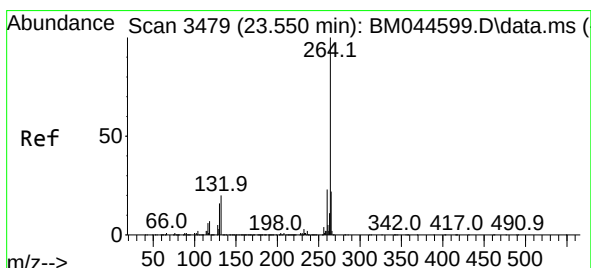
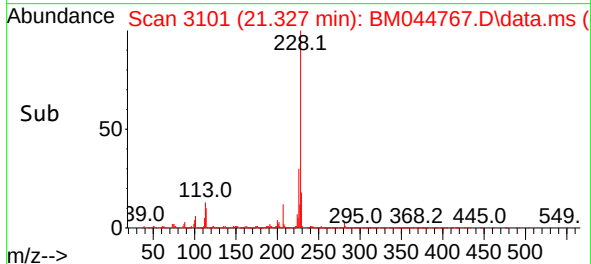
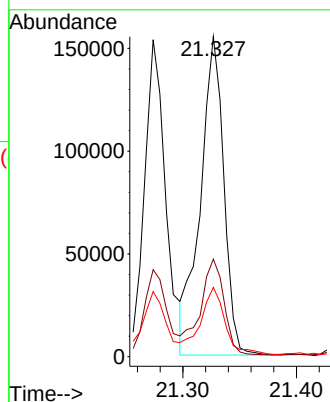
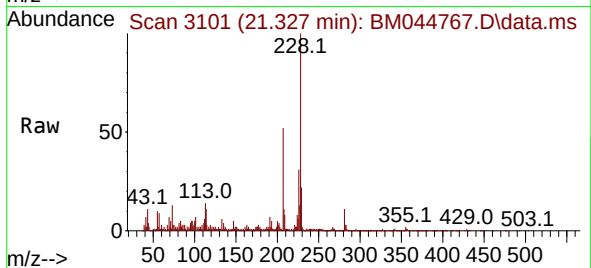
Tgt Ion:228 Resp: 222772

Ion Ratio Lower Upper

228 100

226 30.5 23.6 35.4

229 21.7 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.538 min Scan# 3477

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

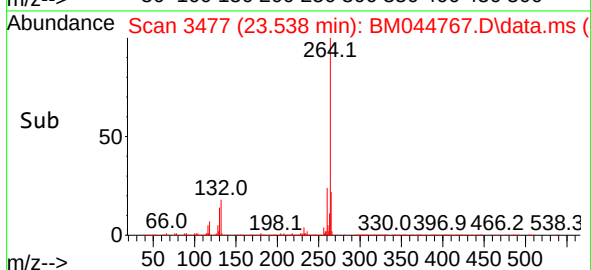
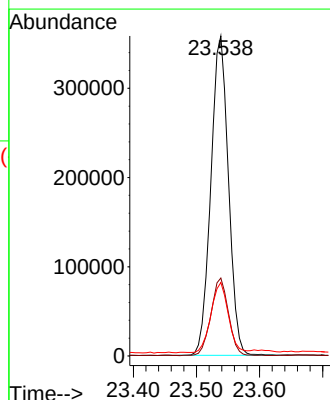
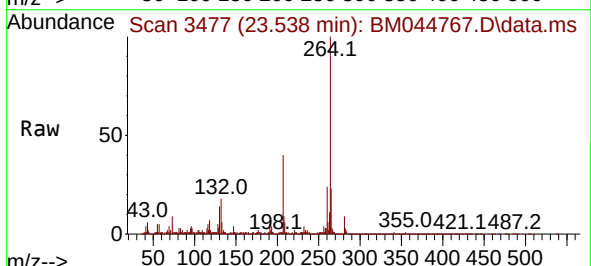
Tgt Ion:264 Resp: 692281

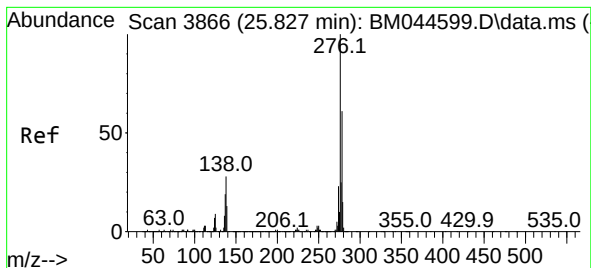
Ion Ratio Lower Upper

264 100

260 24.4 18.3 27.5

265 22.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.344 ng

RT: 25.803 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

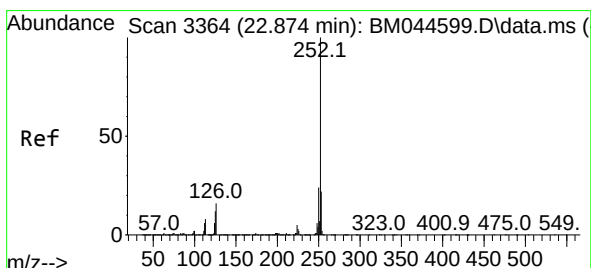
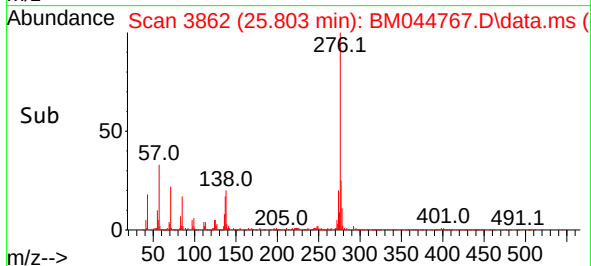
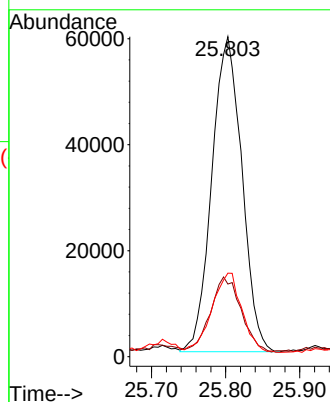
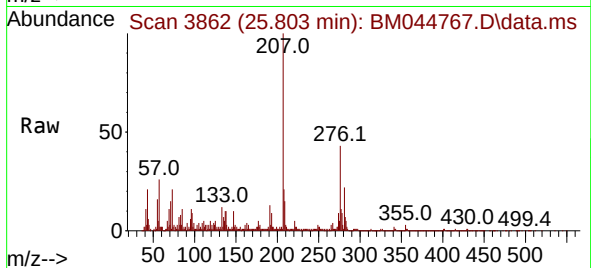
Tgt Ion:276 Resp: 167354

Ion Ratio Lower Upper

276 100

138 24.4 23.6 35.4

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 10.587 ng

RT: 22.862 min Scan# 3362

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

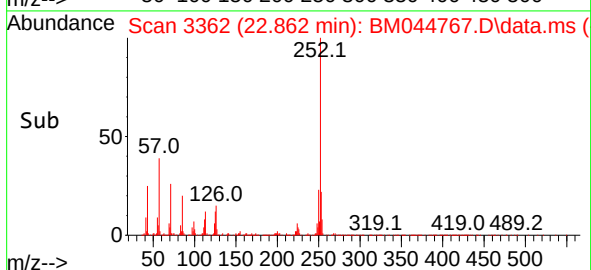
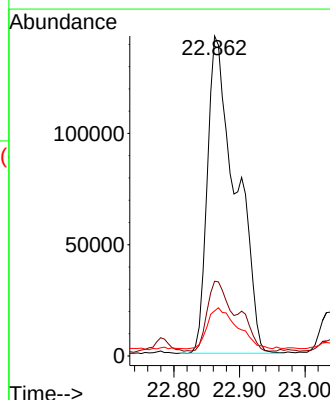
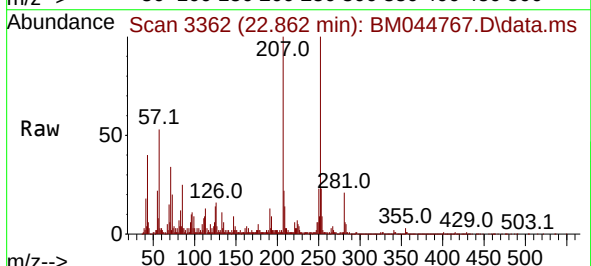
Tgt Ion:252 Resp: 430696

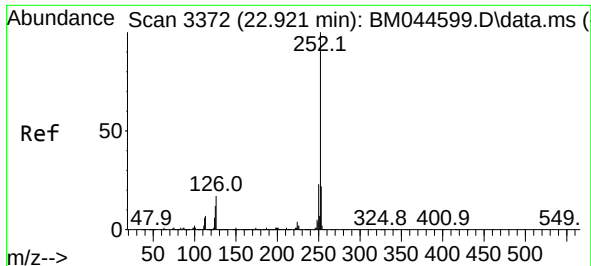
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 14.1 9.6 14.4

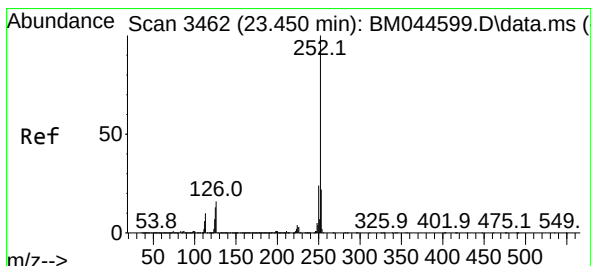
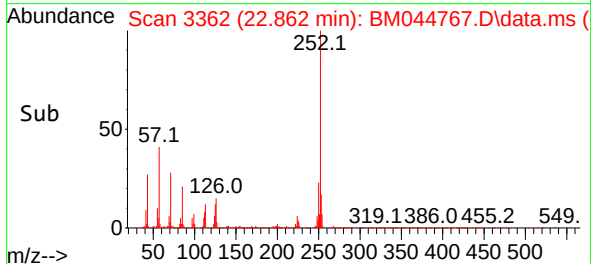
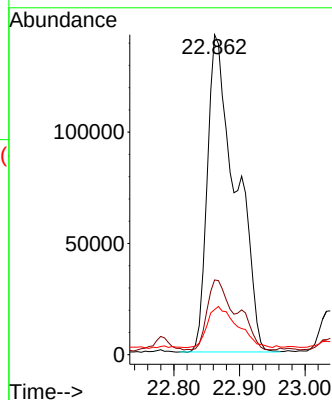
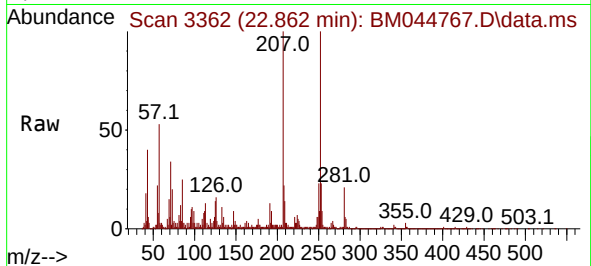




#89
Benzo(k)fluoranthene
Concen: 10.298 ng
RT: 22.862 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

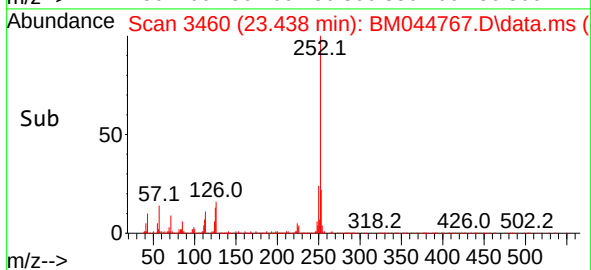
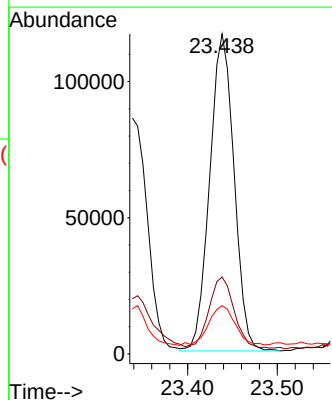
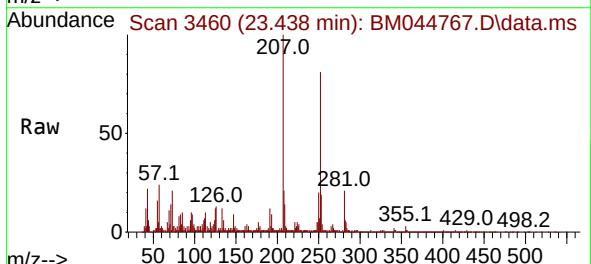
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

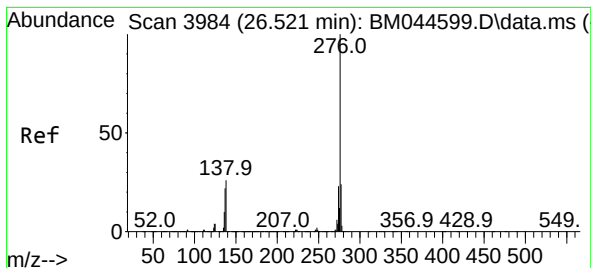
Tgt Ion:252 Resp: 430696
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 14.1 9.4 14.0#



#90
Benzo(a)pyrene
Concen: 5.517 ng
RT: 23.438 min Scan# 3460
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:252 Resp: 218939
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 15.1 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.011 ng

RT: 26.491 min Scan# 3984

Delta R.T. -0.029 min

Lab File: BM044767.D

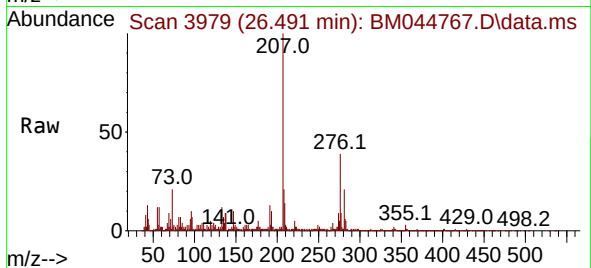
Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP



Tgt Ion:276 Resp: 166578

Ion Ratio Lower Upper

276 100

277 23.0 19.3 28.9

138 22.6 20.7 31.1

