

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102423\
 Data File : BM042427.D
 Acq On : 24 Oct 2023 19:43
 Operator : MA/JU
 Sample : 04978-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 02:13:46 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)

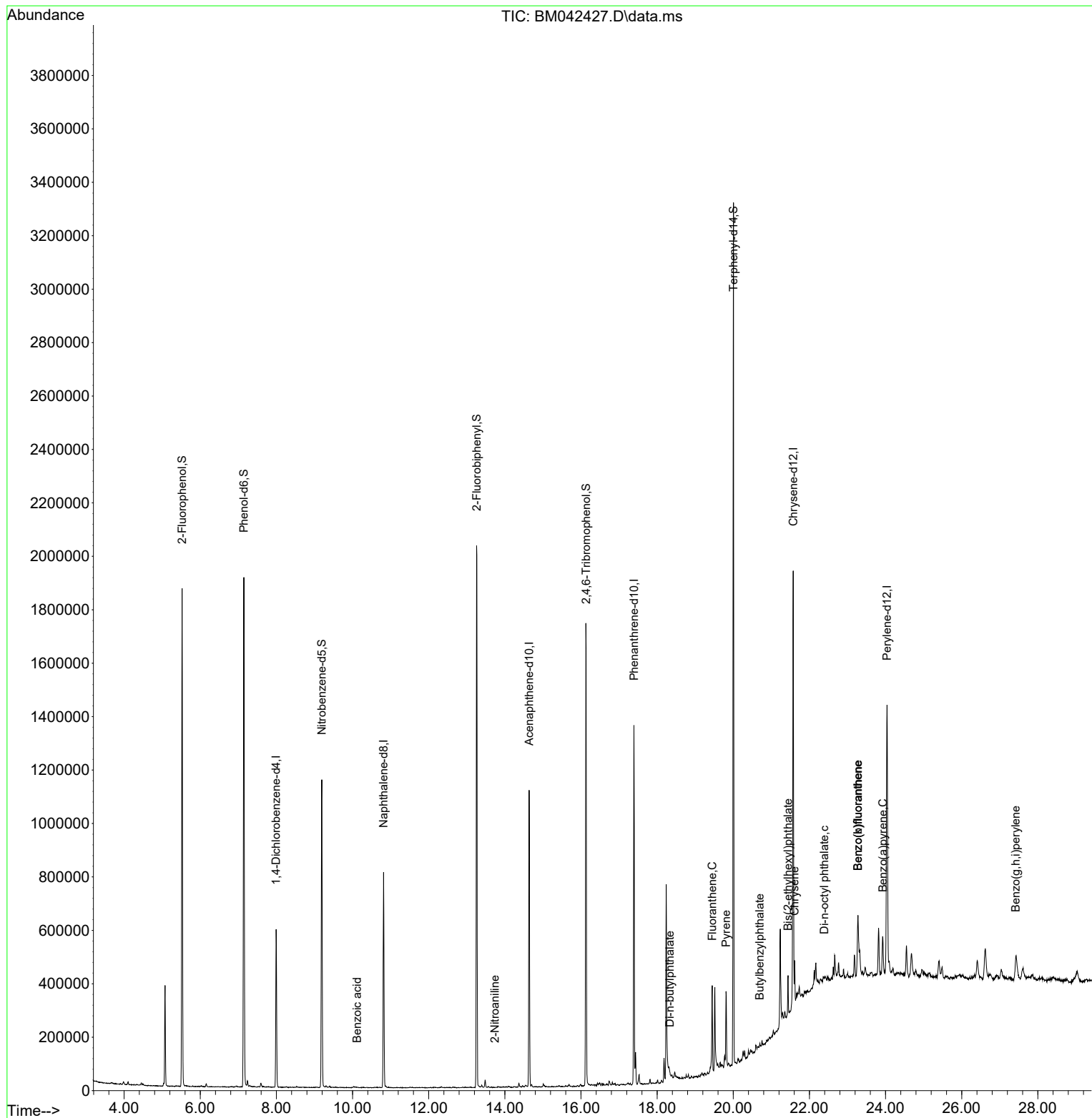
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	145598	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	600517	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	348722	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	745460	20.000	ng	0.00
76) Chrysene-d12	21.574	240	694590	20.000	ng	0.00
86) Perylene-d12	24.038	264	767336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	713787	69.287	ng	0.00
7) Phenol-d6	7.145	99	996223	72.160	ng	0.00
23) Nitrobenzene-d5	9.192	82	633434	46.643	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	274764	75.516	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1001372	38.669	ng	0.00
79) Terphenyl-d14	20.003	244	1391908	35.539	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.116	122	60	5.331	ng	# 10
48) 2-Nitroaniline	13.733	65	54	3.645	ng	# 13
74) Di-n-butylphthalate	18.333	149	4604	2.908	ng	# 92
75) Fluoranthene	19.445	202	176119	3.943	ng	99
78) Pyrene	19.809	202	164252	3.384	ng	99
80) Butylbenzylphthalate	20.692	149	2624	3.370	ng	# 85
83) Chrysene	21.609	228	90337	2.020	ng	96
84) Bis(2-ethylhexyl)phtha...	21.439	149	45604	4.724	ng	# 96
85) Di-n-octyl phthalate	22.386	149	949	4.235	ng	# 7
88) Benzo(b)fluoranthene	23.274	252	158242	3.426	ng	# 97
89) Benzo(k)fluoranthene	23.274	252	158242	3.300	ng	# 97
90) Benzo(a)pyrene	23.927	252	105199	2.366	ng	98
92) Benzo(g,h,i)perylene	27.421	276	98114	2.167	ng	96

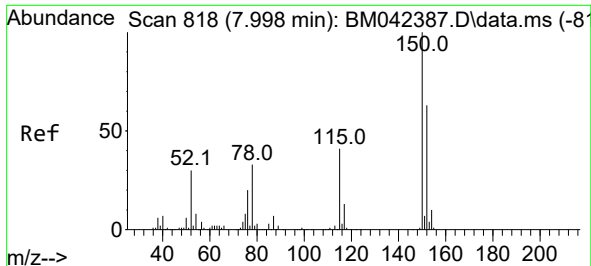
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

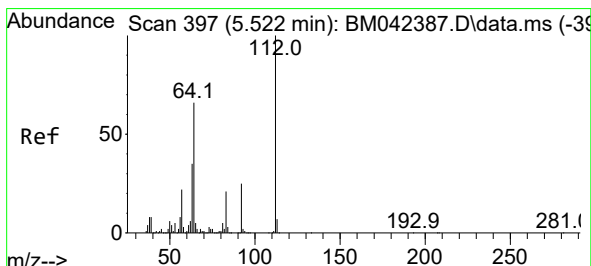
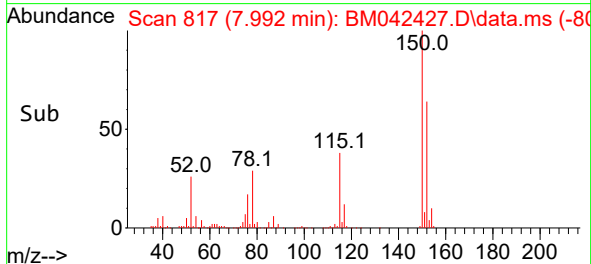
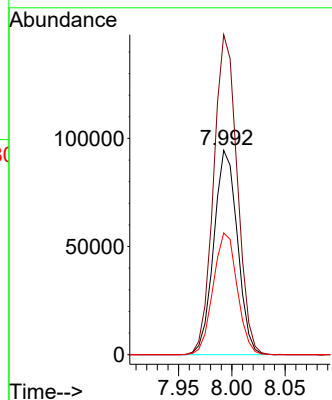
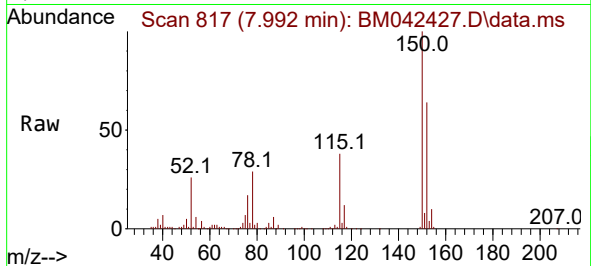




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 818
 Delta R.T. -0.006 min
 Lab File: BM042427.D
 Acq: 24 Oct 2023 19:43

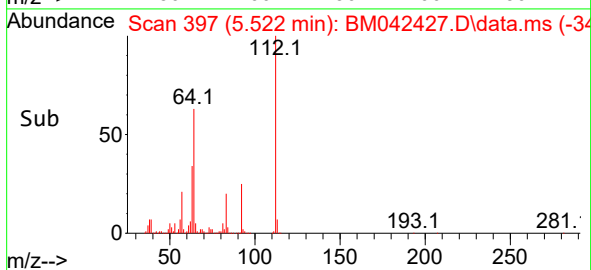
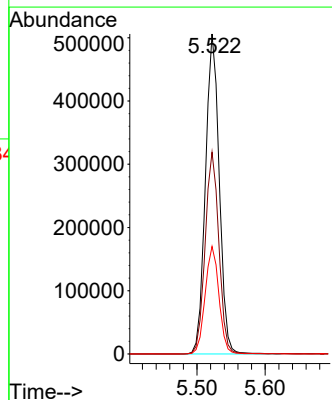
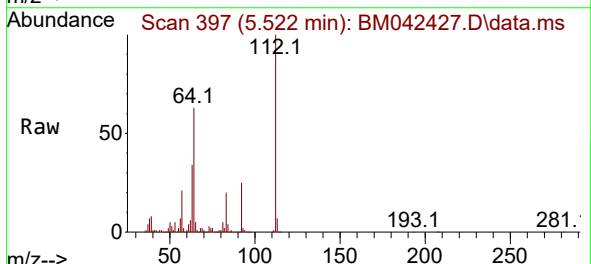
Instrument :
 BNA_M
 ClientSampleId :

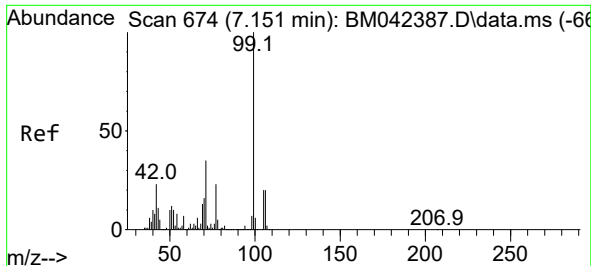
Tgt Ion:152 Resp: 145598
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.2 189.4
 115 59.6 51.9 77.9



#5
 2-Fluorophenol
 Concen: 69.287 ng
 RT: 5.522 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: BM042427.D
 Acq: 24 Oct 2023 19:43

Tgt Ion:112 Resp: 713787
 Ion Ratio Lower Upper
 112 100
 64 63.0 52.7 79.1
 63 33.6 28.3 42.5

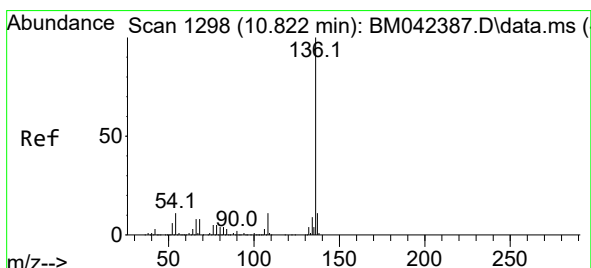
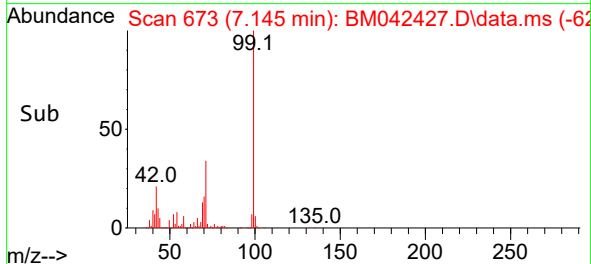
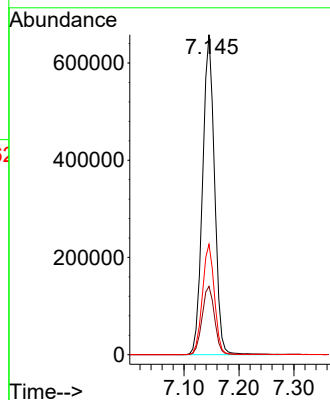
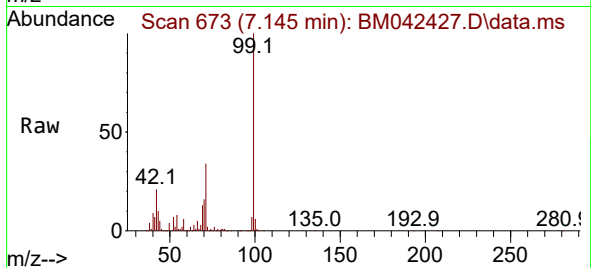




#7
Phenol-d6
Concen: 72.160 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

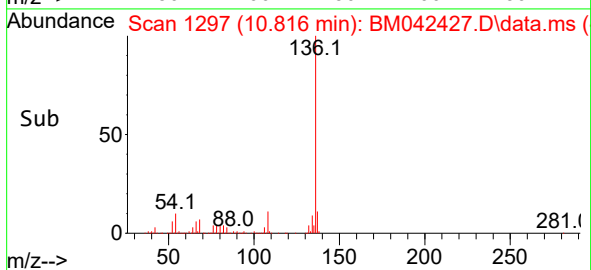
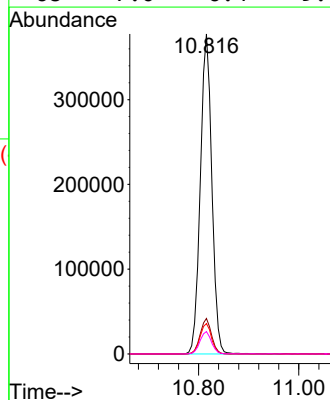
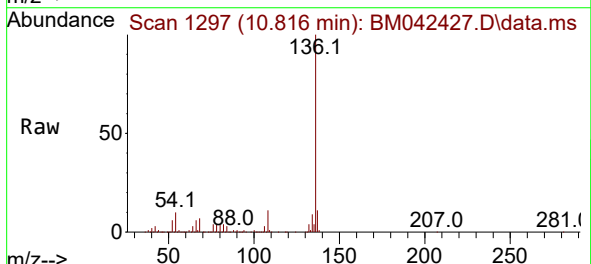
Instrument :
BNA_M
ClientSampleId :

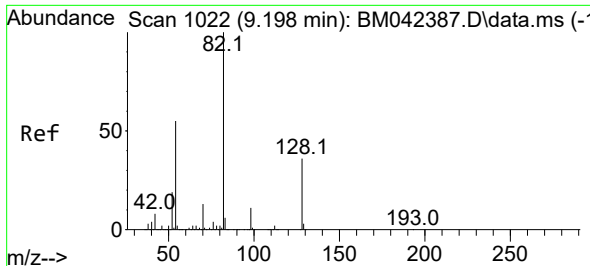
Tgt Ion: 99 Resp: 996223
Ion Ratio Lower Upper
99 100
42 21.4 18.5 27.7
71 34.5 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

Tgt Ion: 136 Resp: 600517
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 9.5 8.6 12.8
68 7.0 6.4 9.6

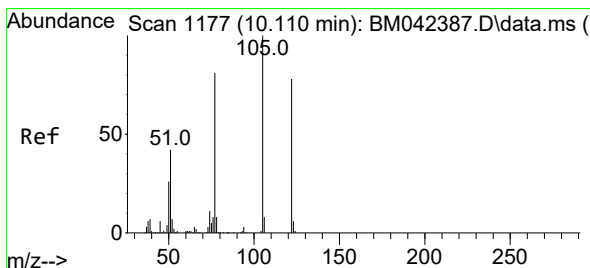
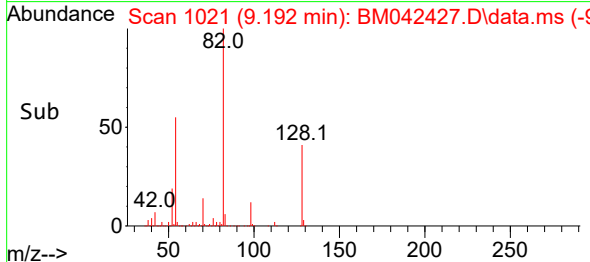
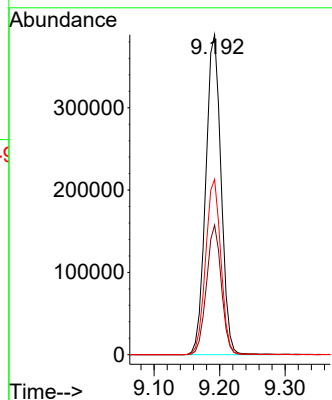
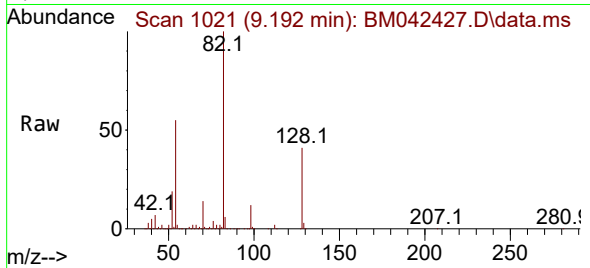




#23
Nitrobenzene-d5
Concen: 46.643 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

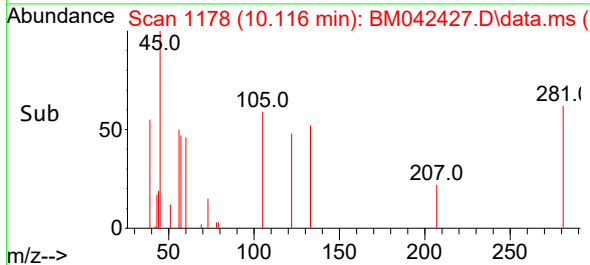
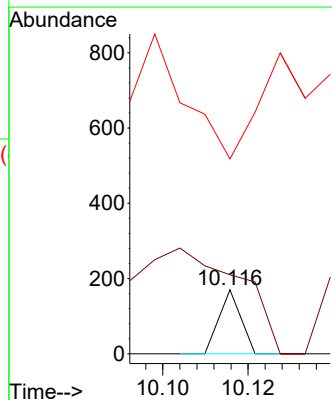
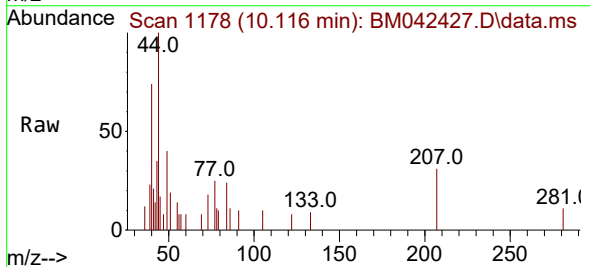
Instrument :
BNA_M
ClientSampleId :

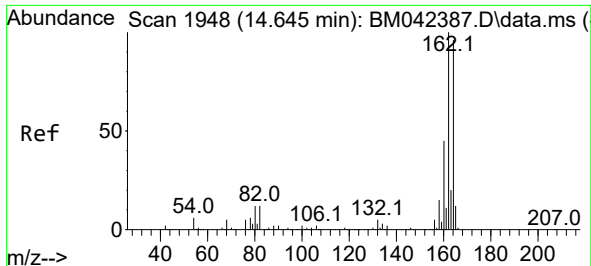
Tgt Ion: 82 Resp: 633434
Ion Ratio Lower Upper
82 100
128 40.5 29.0 43.6
54 54.8 43.7 65.5



#32
Benzoic acid
Concen: 5.331 ng
RT: 10.116 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

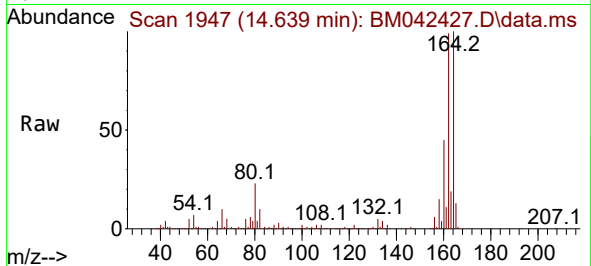
Tgt Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 123.5 104.9 144.9
77 304.7 83.4 123.4#



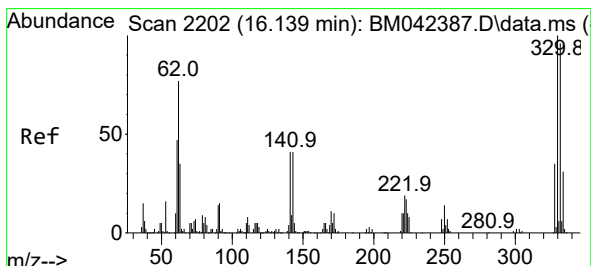
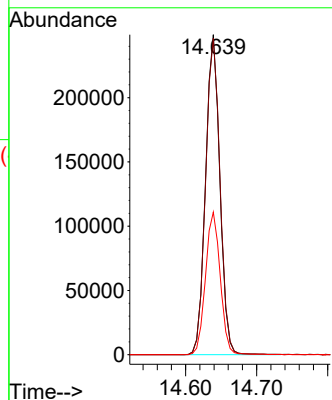
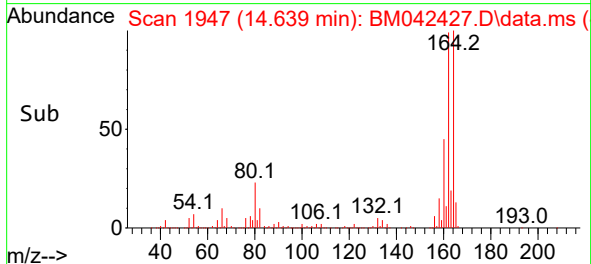


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

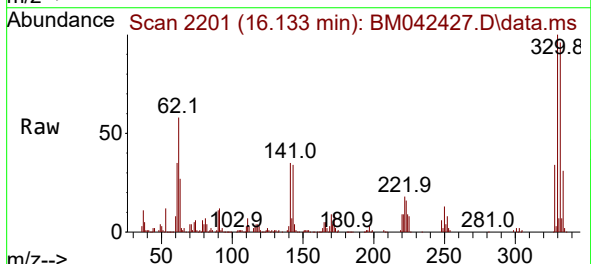
Instrument :
BNA_M
ClientSampleId :



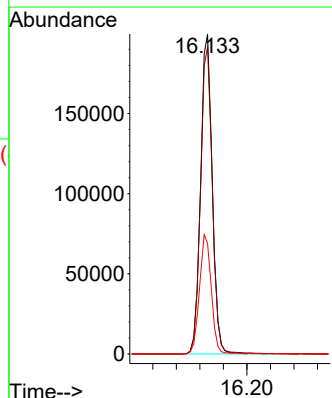
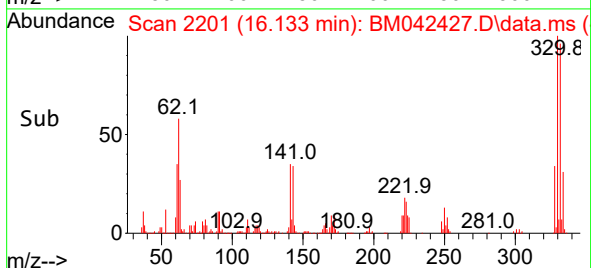
Tgt Ion:164 Resp: 348722
Ion Ratio Lower Upper
164 100
162 98.9 83.0 124.4
160 44.5 37.0 55.4

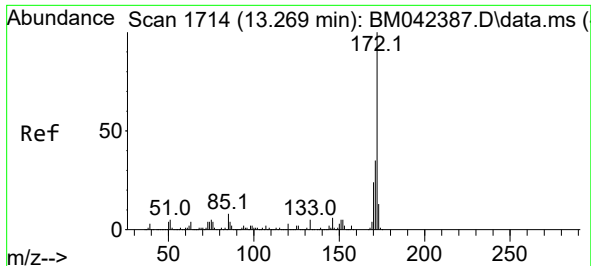


#42
2,4,6-Tribromophenol
Concen: 75.516 ng
RT: 16.133 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43



Tgt Ion:330 Resp: 274764
Ion Ratio Lower Upper
330 100
332 97.3 77.6 116.4
141 37.7 38.0 57.0#

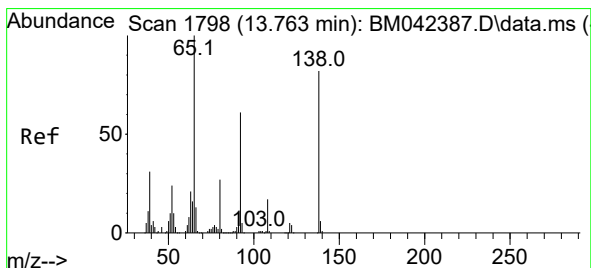
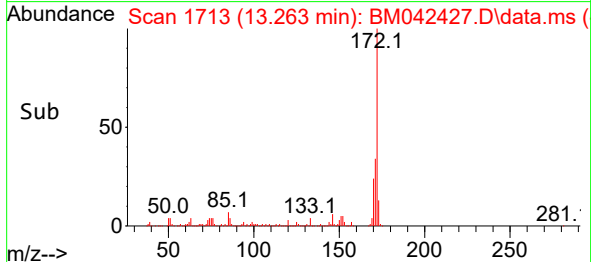
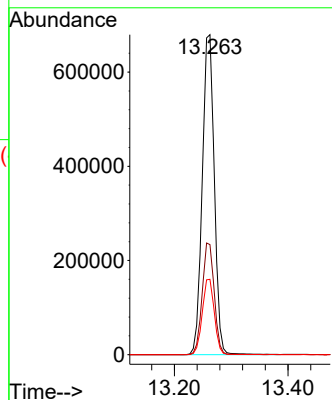
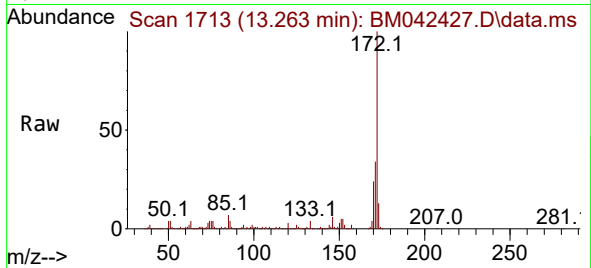




#45
2-Fluorobiphenyl
Concen: 38.669 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

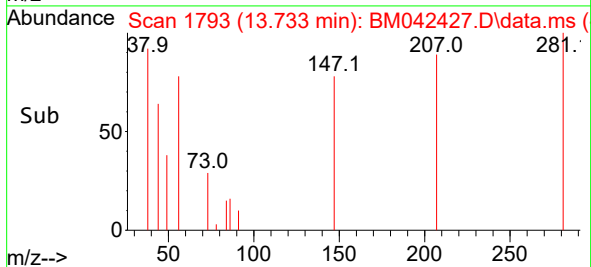
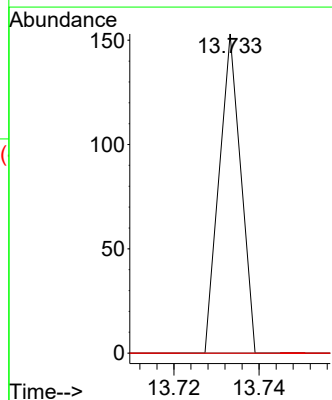
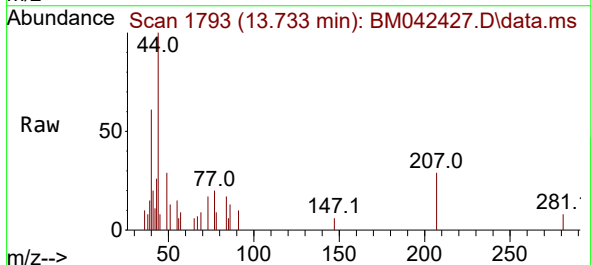
Instrument :
BNA_M
ClientSampleId :

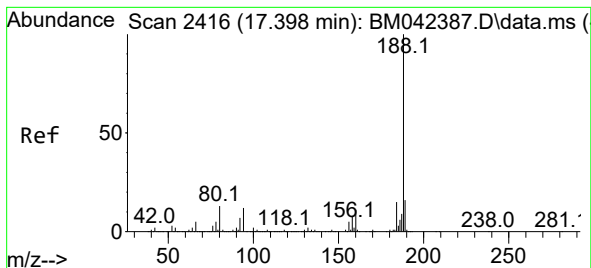
Tgt Ion:172 Resp: 1001372
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.6 18.9 28.3



#48
2-Nitroaniline
Concen: 3.645 ng
RT: 13.733 min Scan# 1793
Delta R.T. -0.030 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

Tgt Ion: 65 Resp: 54
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: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :

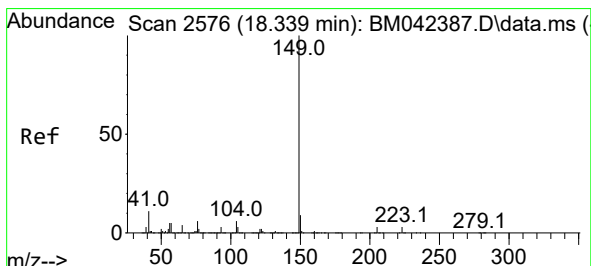
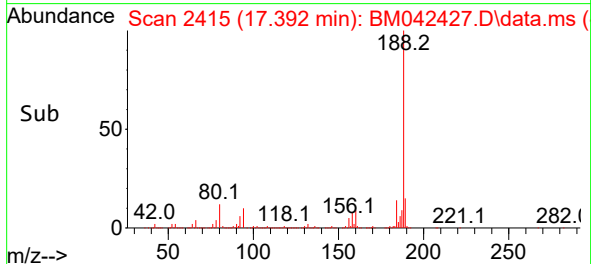
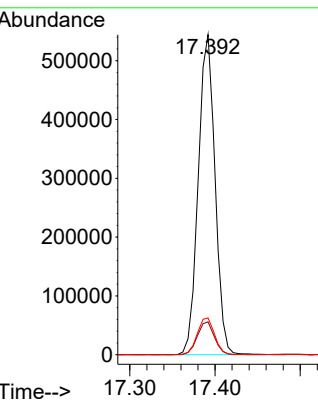
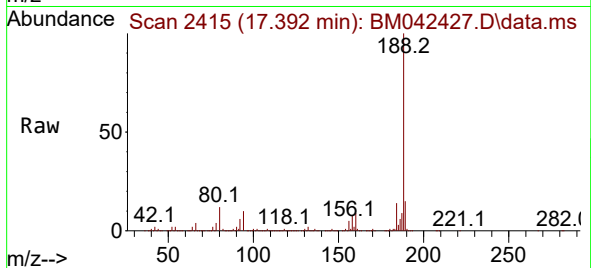
Tgt Ion:188 Resp: 745460

Ion Ratio Lower Upper

188 100

94 10.2 9.4 14.0

80 11.5 10.7 16.1



#74

Di-n-butylphthalate

Concen: 2.908 ng

RT: 18.333 min Scan# 2575

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

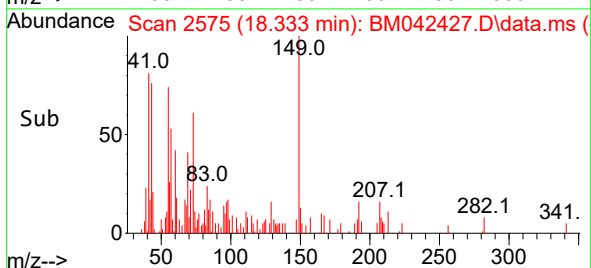
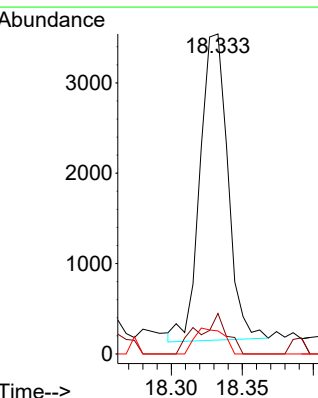
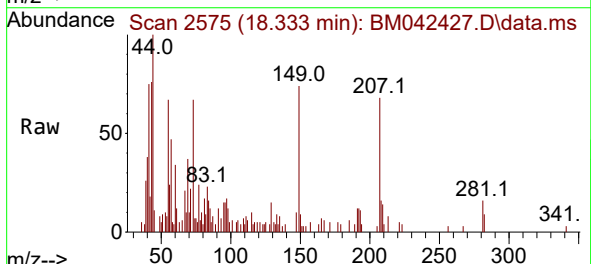
Tgt Ion:149 Resp: 4604

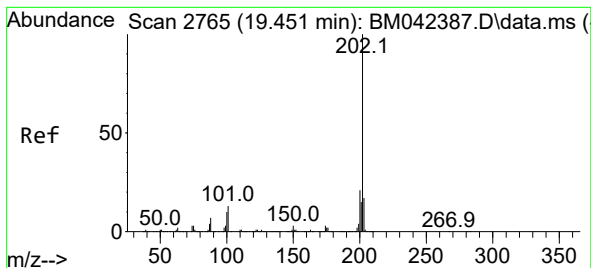
Ion Ratio Lower Upper

149 100

150 12.7 7.4 11.0#

104 7.2 4.6 7.0#





#75

Fluoranthene

Concen: 3.943 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :

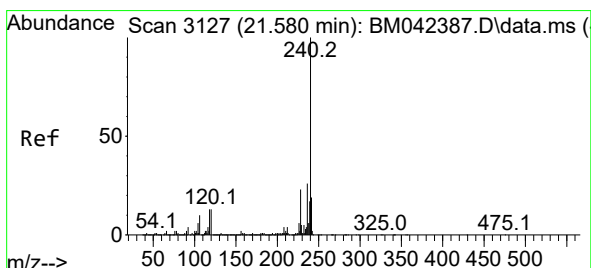
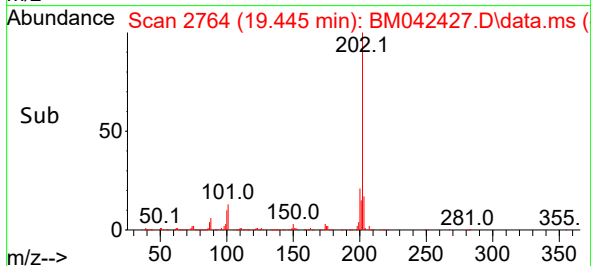
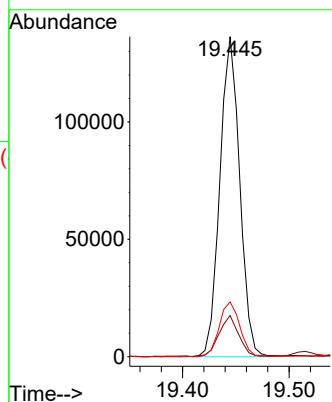
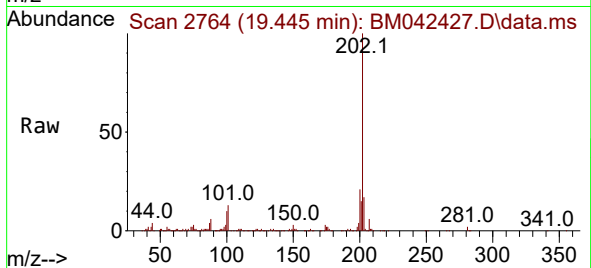
Tgt Ion:202 Resp: 176119

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.3

203 17.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

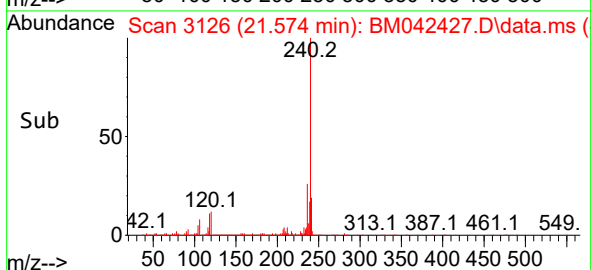
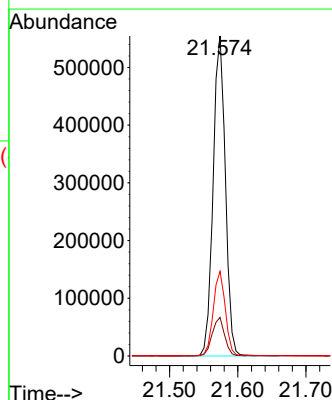
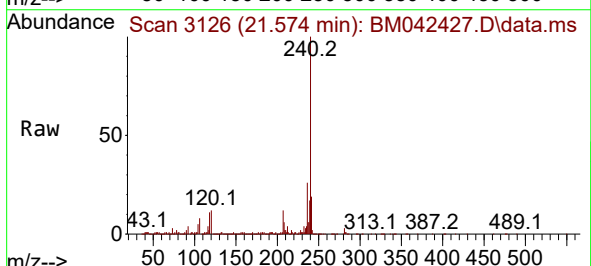
Tgt Ion:240 Resp: 694590

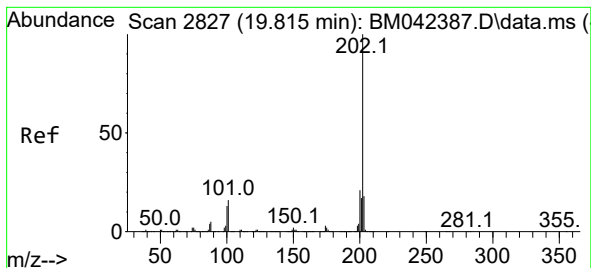
Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 26.4 20.7 31.1





#78

Pyrene

Concen: 3.384 ng

RT: 19.809 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :

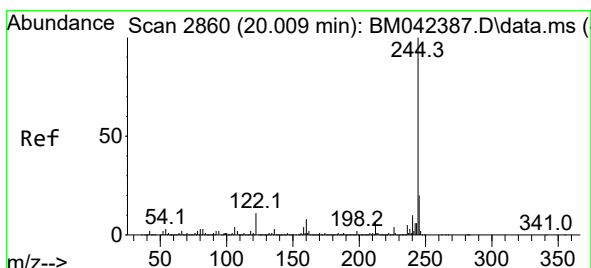
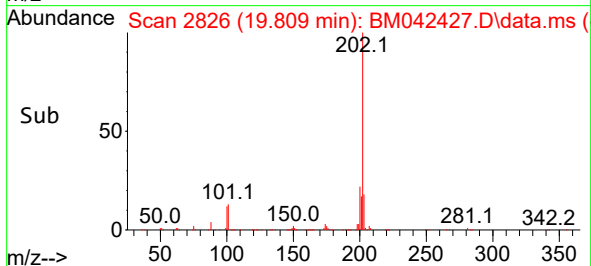
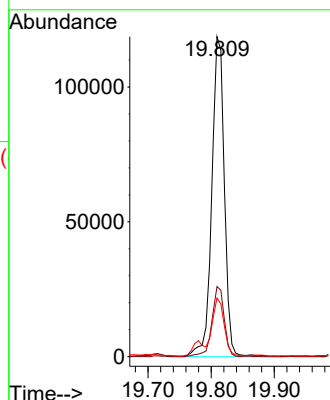
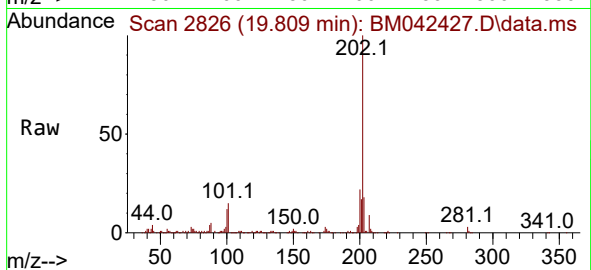
Tgt Ion:202 Resp: 164252

Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

203 18.3 14.1 21.1



#79

Terphenyl-d14

Concen: 35.539 ng

RT: 20.003 min Scan# 2859

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

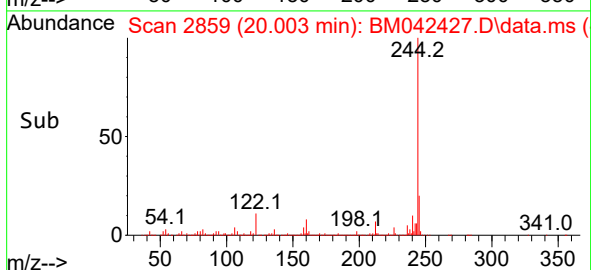
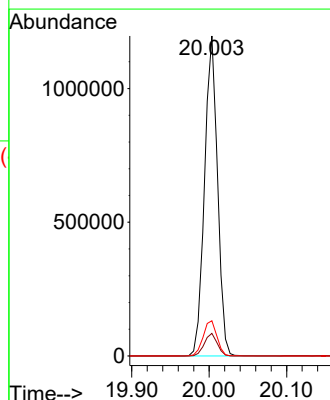
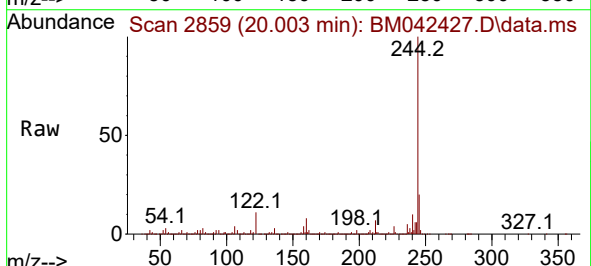
Tgt Ion:244 Resp: 1391908

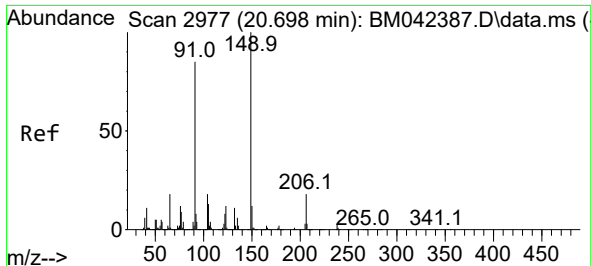
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 11.0 8.8 13.2

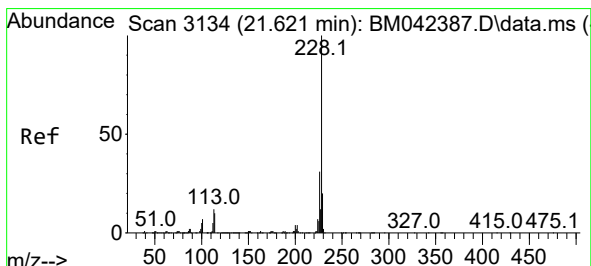
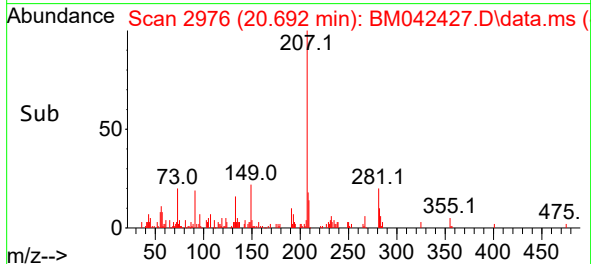
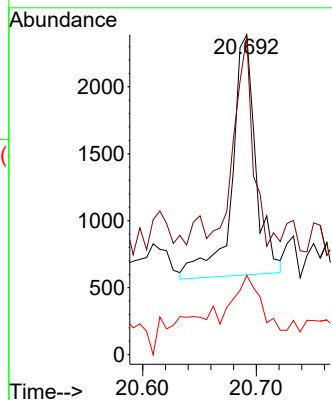
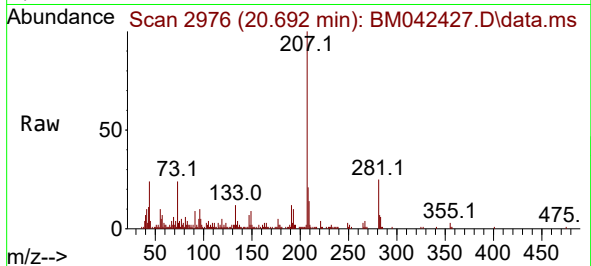




#80
Butylbenzylphthalate
Concen: 3.370 ng
RT: 20.692 min Scan# 2976
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

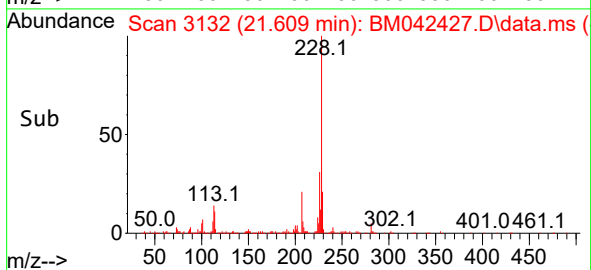
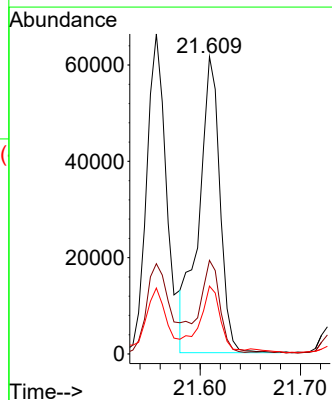
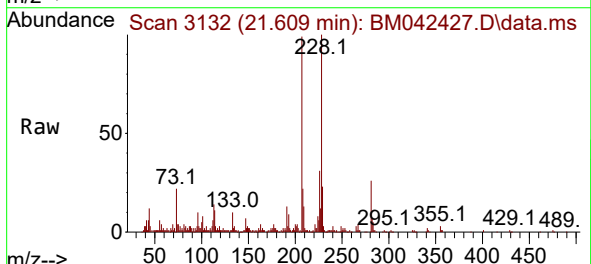
Instrument :
BNA_M
ClientSampleId :

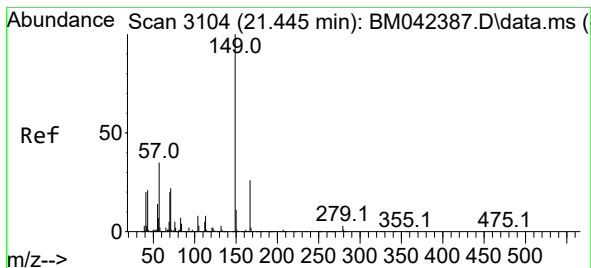
Tgt Ion:149 Resp: 2624
Ion Ratio Lower Upper
149 100
91 99.5 68.3 102.5
206 24.7 14.6 22.0#



#83
Chrysene
Concen: 2.020 ng
RT: 21.609 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

Tgt Ion:228 Resp: 90337
Ion Ratio Lower Upper
228 100
226 31.5 24.6 36.8
229 22.8 15.7 23.5

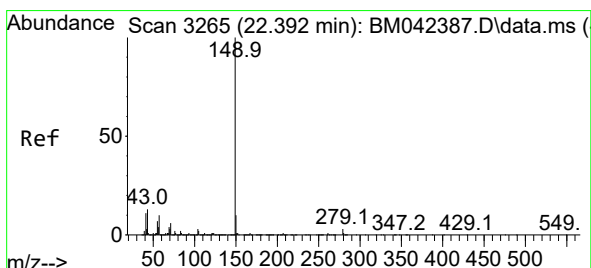
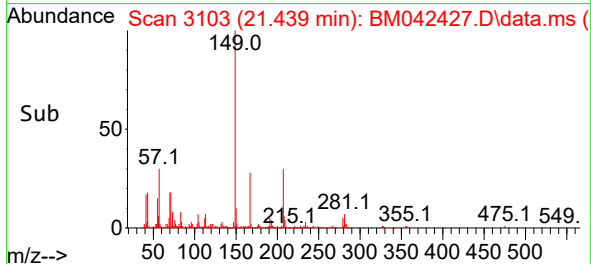
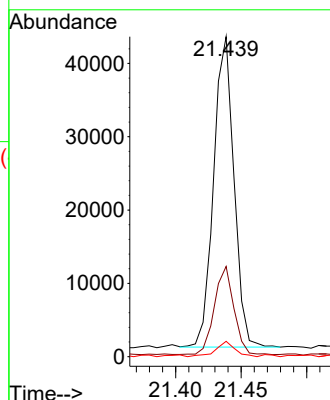
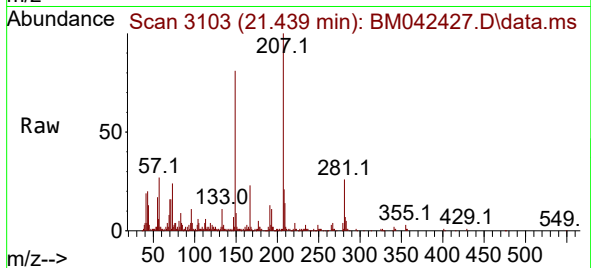




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.724 ng
RT: 21.439 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

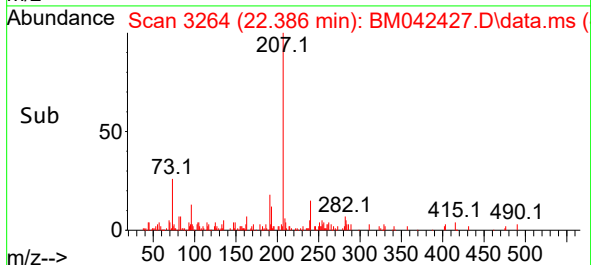
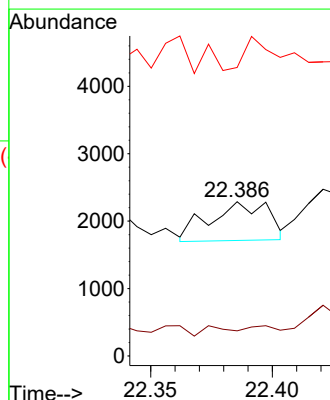
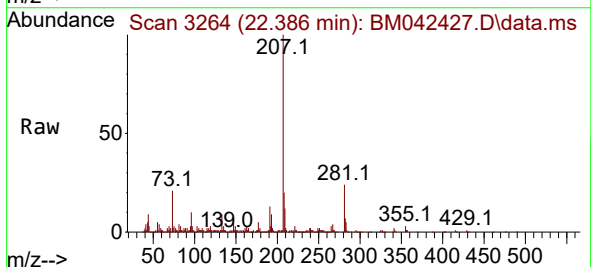
Instrument :
BNA_M
ClientSampleId :

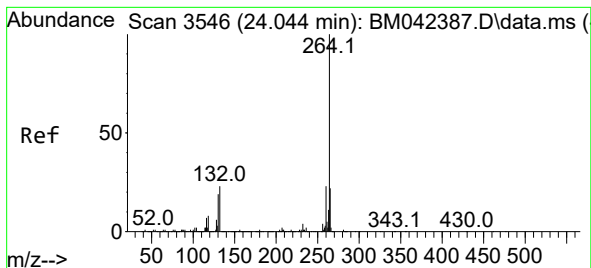
Tgt Ion:149 Resp: 45604
Ion Ratio Lower Upper
149 100
167 28.2 20.9 31.3
279 4.8 2.7 4.1#



#85
Di-n-octyl phthalate
Concen: 4.235 ng
RT: 22.386 min Scan# 3264
Delta R.T. -0.006 min
Lab File: BM042427.D
Acq: 24 Oct 2023 19:43

Tgt Ion:149 Resp: 949
Ion Ratio Lower Upper
149 100
167 11.8 1.2 1.8#
43 54.5 11.0 16.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.038 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :

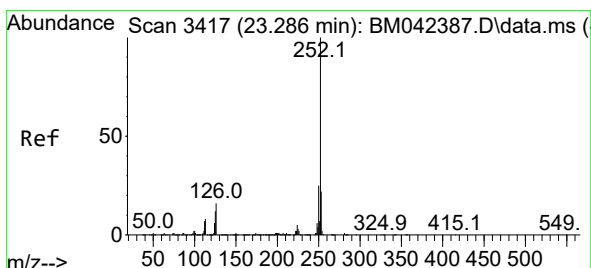
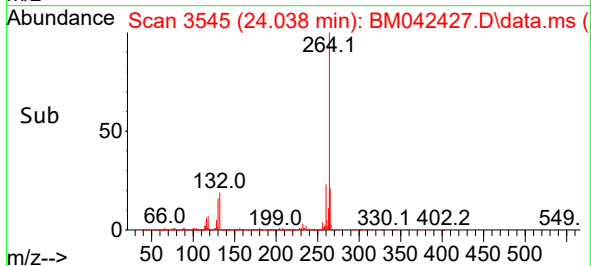
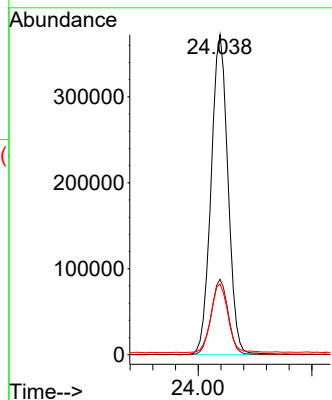
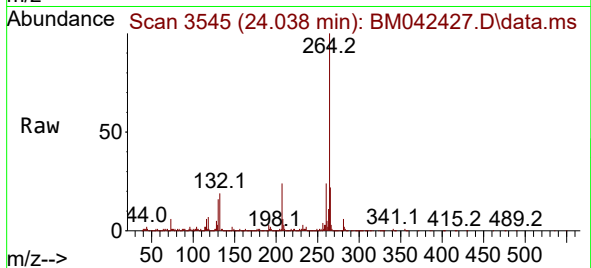
Tgt Ion:264 Resp: 767336

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 22.1 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 3.426 ng

RT: 23.274 min Scan# 3415

Delta R.T. -0.012 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

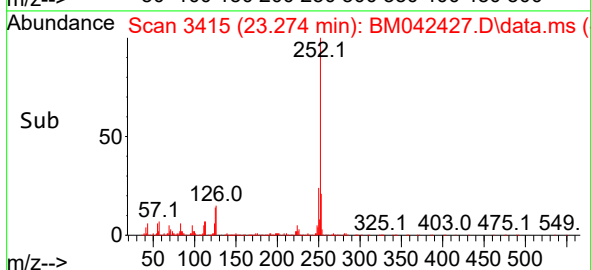
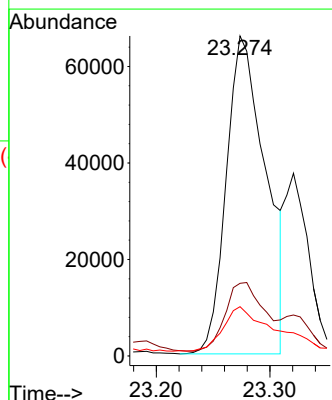
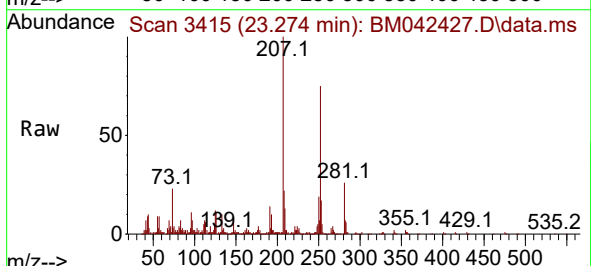
Tgt Ion:252 Resp: 158242

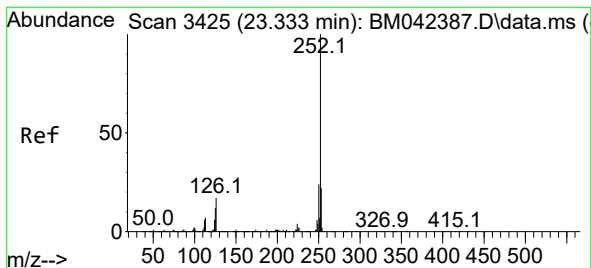
Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 15.4 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.300 ng

RT: 23.274 min Scan# 34

Delta R.T. -0.059 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :

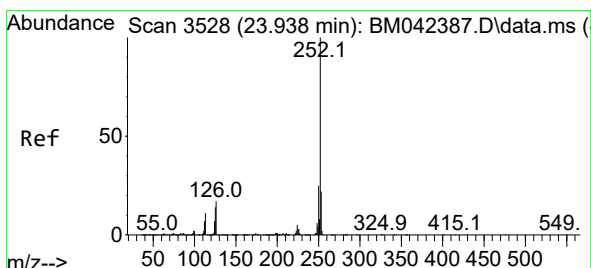
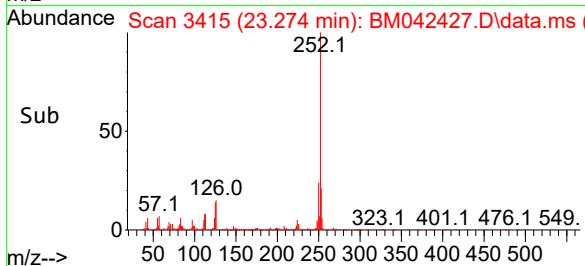
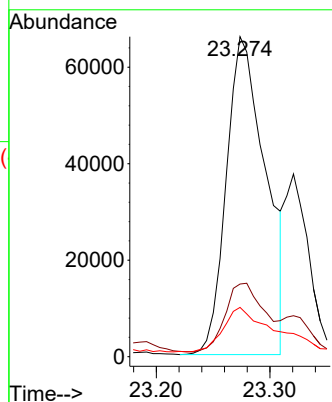
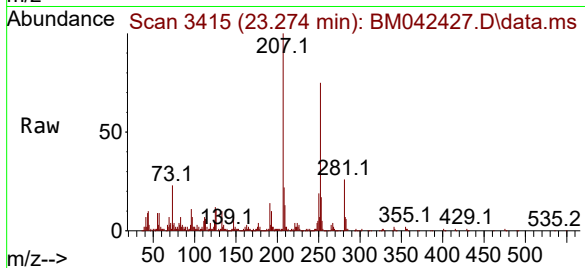
Tgt Ion:252 Resp: 158242

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 15.4 10.2 15.2#



#90

Benzo(a)pyrene

Concen: 2.366 ng

RT: 23.927 min Scan# 3526

Delta R.T. -0.012 min

Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

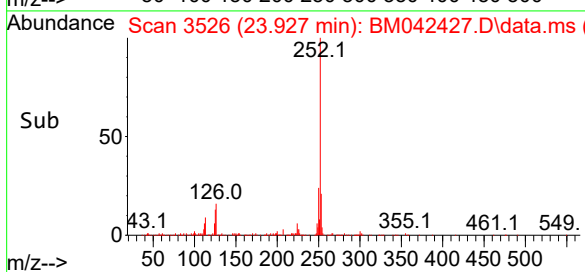
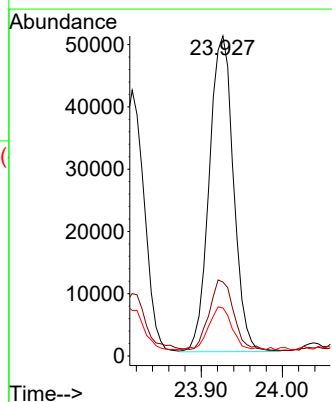
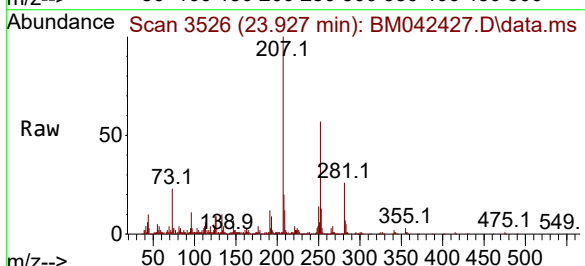
Tgt Ion:252 Resp: 105199

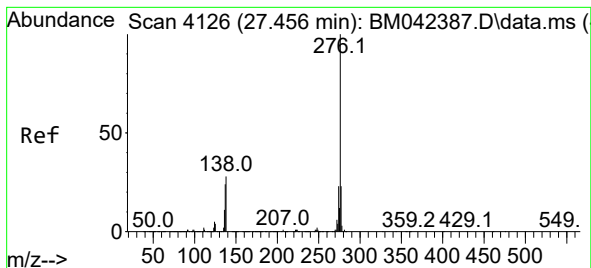
Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 15.0 10.9 16.3





#92

Benzo(g,h,i)perylene

Concen: 2.167 ng

RT: 27.421 min Scan# 41

Delta R.T. -0.035 min

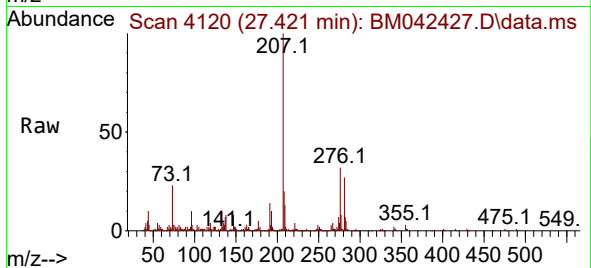
Lab File: BM042427.D

Acq: 24 Oct 2023 19:43

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 98114

Ion Ratio Lower Upper

276 100

277 24.4 18.3 27.5

138 26.0 22.6 34.0

