

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042460.D
 Acq On : 26 Oct 2023 19:47
 Operator : MA/JU
 Sample : 05010-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11985

Quant Time: Oct 27 00:45:47 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)

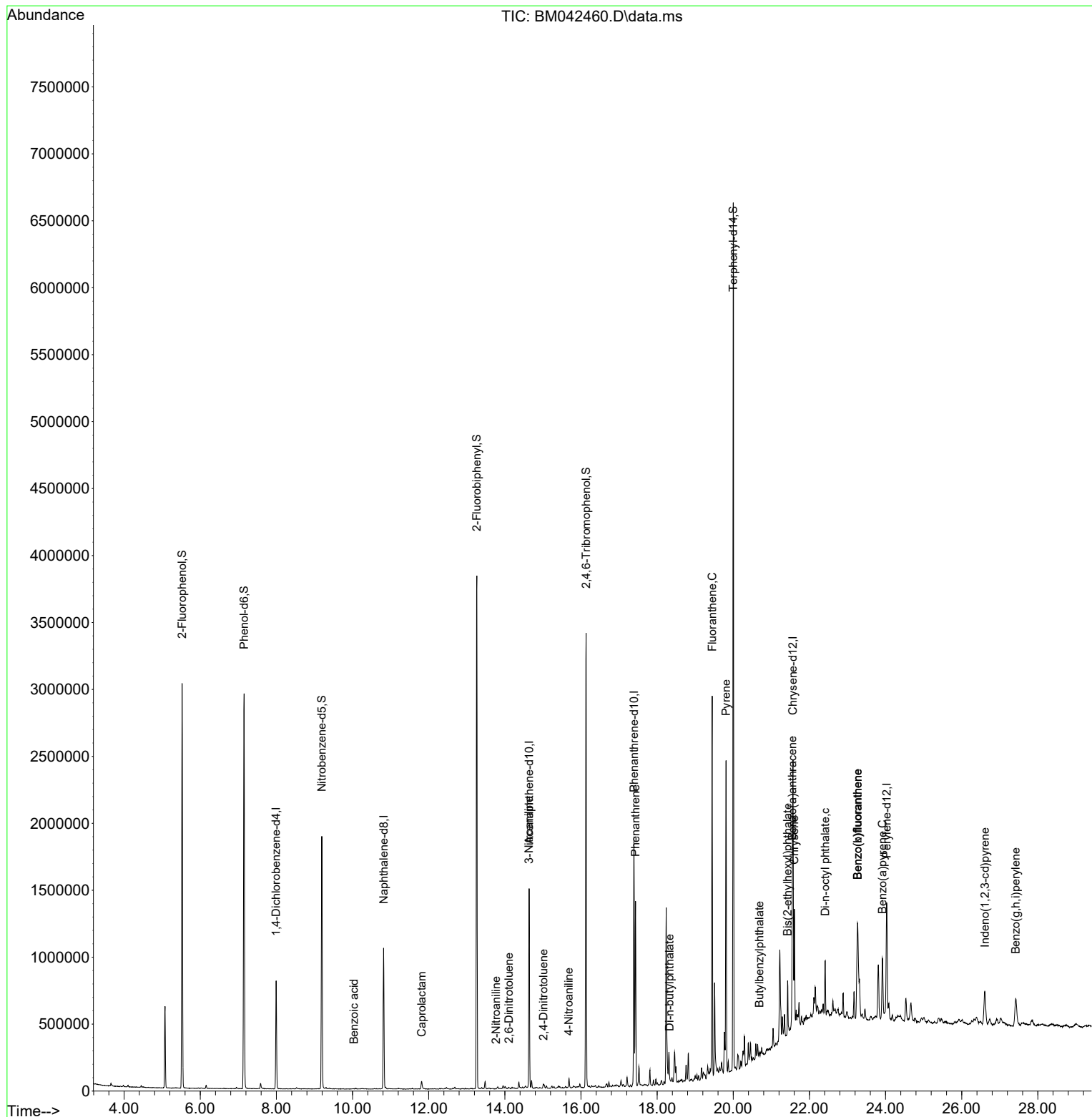
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	195334	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	802730	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	484113	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	1055146	20.000	ng	0.00
76) Chrysene-d12	21.568	240	777905	20.000	ng	-0.01
86) Perylene-d12	24.027	264	645566	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1179830	85.365	ng	0.00
7) Phenol-d6	7.151	99	1599406	86.353	ng	0.00
23) Nitrobenzene-d5	9.192	82	1046429	57.644	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	596632	112.904	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1942085	54.021	ng	0.00
79) Terphenyl-d14	19.998	244	2991273	68.196	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.039	122	810	5.402	ng	# 38
35) Caprolactam	11.816	113	10911	8.143	ng	# 86
48) 2-Nitroaniline	13.769	65	138	3.650	ng	# 13
51) 2,6-Dinitrotoluene	14.104	165	227	2.914	ng	# 87
53) 3-Nitroaniline	14.633	138	54	3.271	ng	# 1
57) 2,4-Dinitrotoluene	15.015	165	319	4.091	ng	# 28
62) 4-Nitroaniline	15.680	138	365	3.838	ng	# 12
71) Phenanthrene	17.433	178	775374	13.508	ng	99
74) Di-n-butylphthalate	18.327	149	9990	2.957	ng	# 93
75) Fluoranthene	19.445	202	1561098	24.694	ng	97
78) Pyrene	19.809	202	1329569	24.459	ng	99
80) Butylbenzylphthalate	20.686	149	12182	3.719	ng	92
81) Benzo(a)anthracene	21.550	228	438000	8.399	ng	99
83) Chrysene	21.603	228	477074	9.525	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	120533	6.568	ng	97
85) Di-n-octyl phthalate	22.415	149	50063	4.975	ng	# 49
87) Indeno(1,2,3-cd)pyrene	26.609	276	236448	5.012	ng	# 91
88) Benzo(b)fluoranthene	23.268	252	520311	13.390	ng	99
89) Benzo(k)fluoranthene	23.268	252	520311	12.897	ng	99
90) Benzo(a)pyrene	23.915	252	324494	8.676	ng	99
92) Benzo(g,h,i)perylene	27.421	276	240078	6.302	ng	93

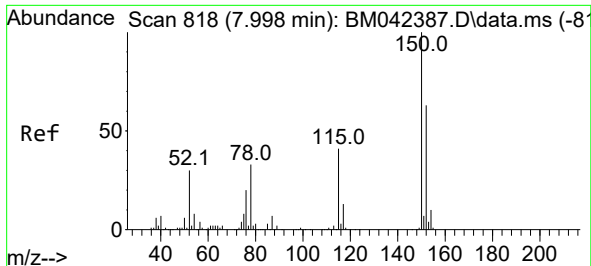
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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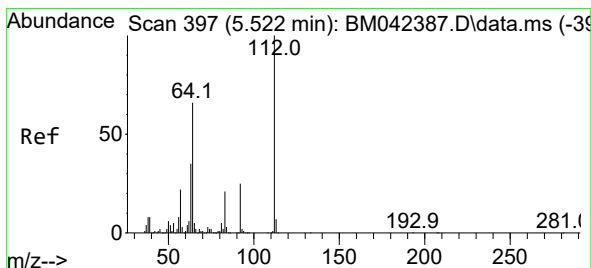
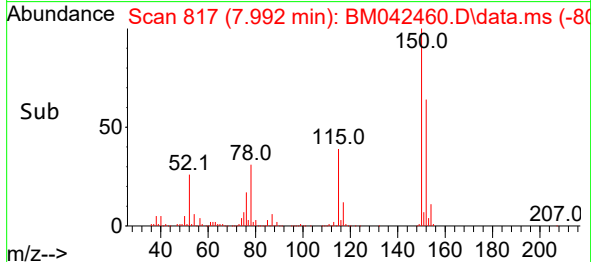
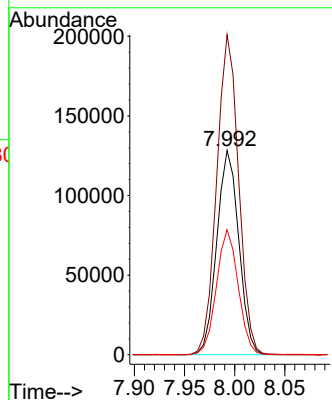
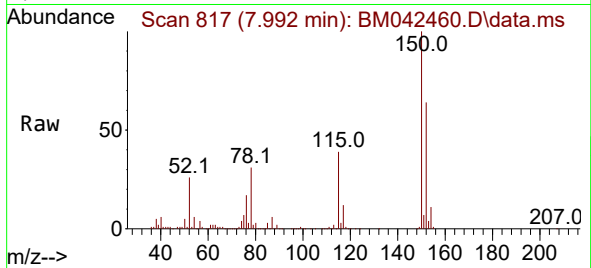




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

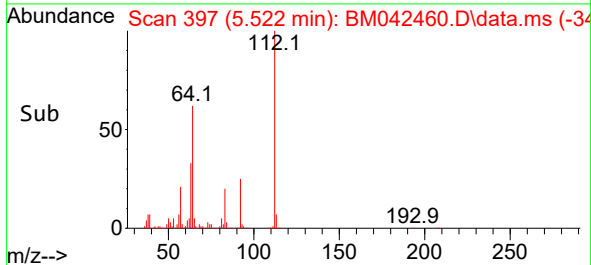
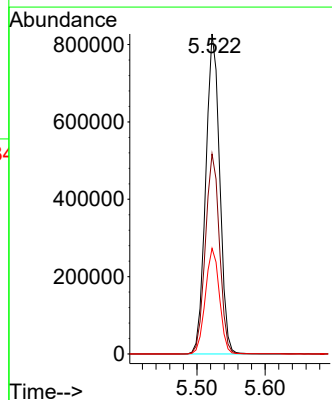
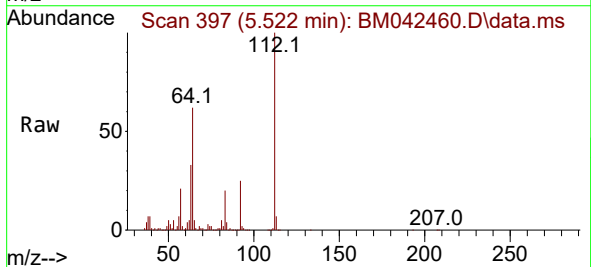
Instrument :
BNA_M
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72-11985

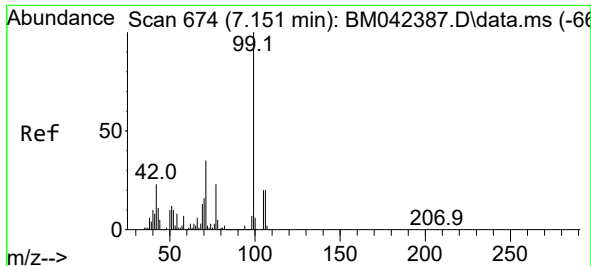
Tgt Ion:152 Resp: 195334
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.4
115 61.2 51.9 77.9



#5
2-Fluorophenol
Concen: 85.365 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:112 Resp: 1179830
Ion Ratio Lower Upper
112 100
64 62.5 52.7 79.1
63 33.0 28.3 42.5



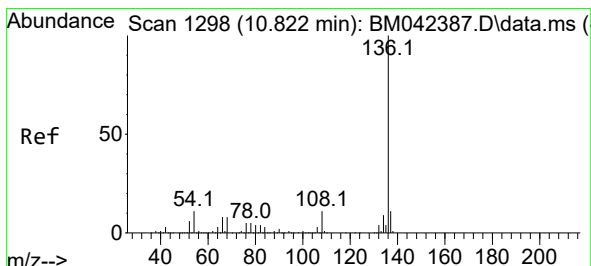
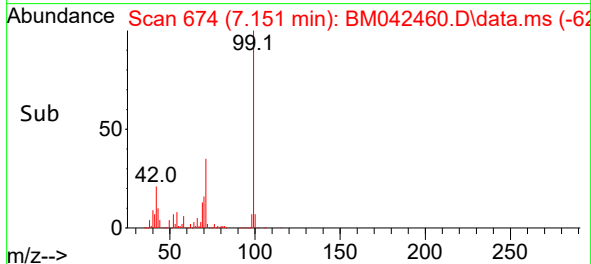
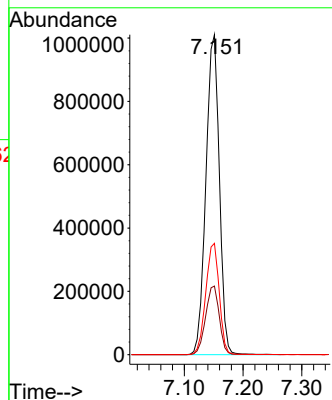
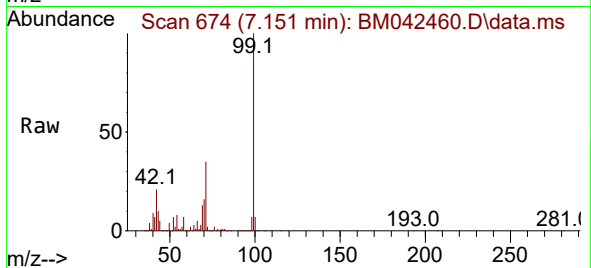


#7
Phenol-d6
Concen: 86.353 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 99 Resp: 1599406

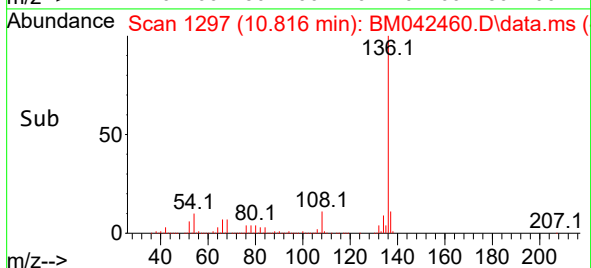
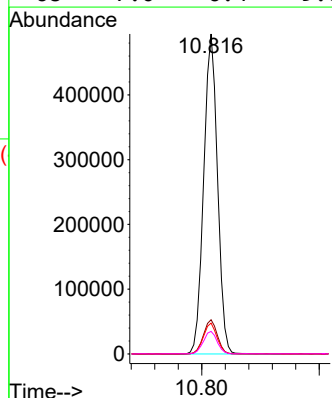
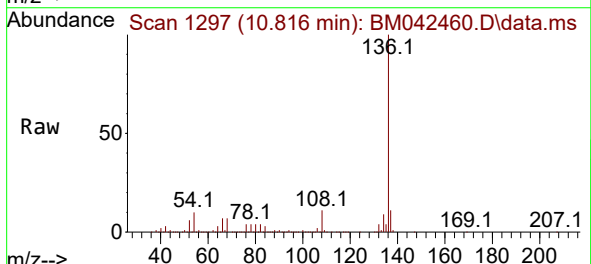
Ion	Ratio	Lower	Upper
99	100		
42	21.4	18.5	27.7
71	34.8	27.7	41.5

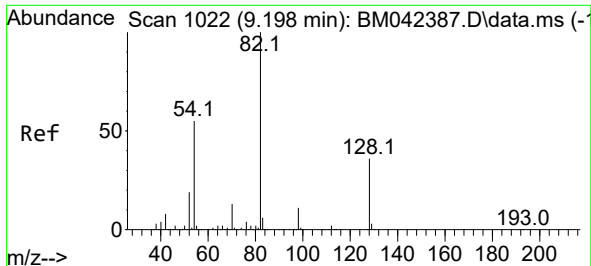


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion: 136 Resp: 802730

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.7	8.6	12.8
68	7.0	6.4	9.6

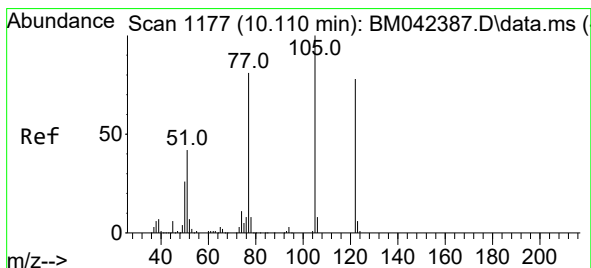
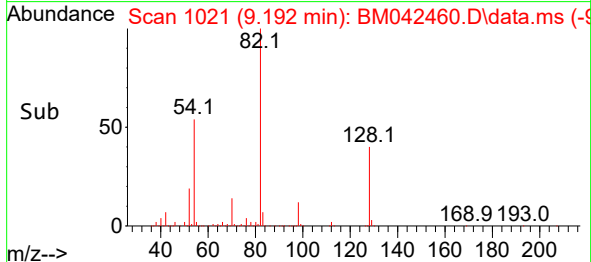
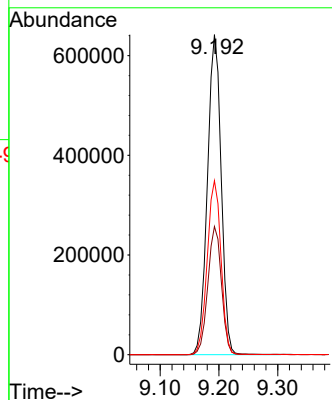
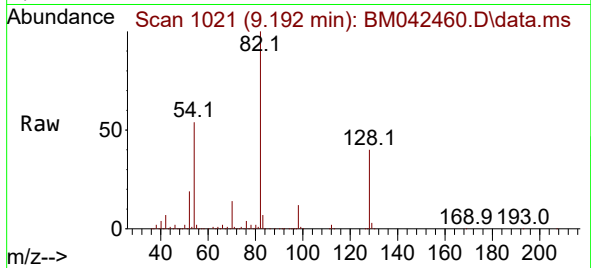




#23
Nitrobenzene-d5
Concen: 57.644 ng
RT: 9.192 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

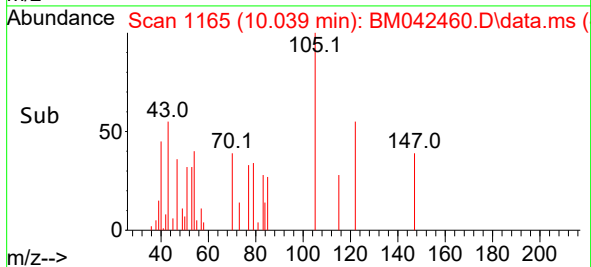
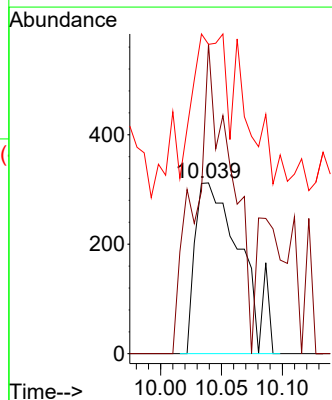
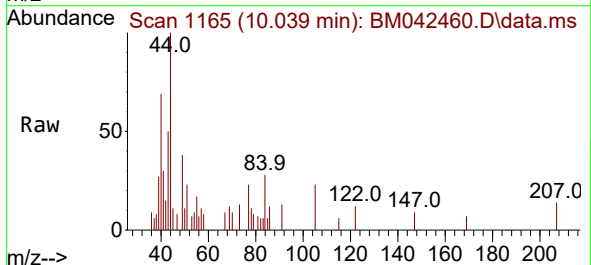
Instrument :
BNA_M
ClientSampleId :
72-11985

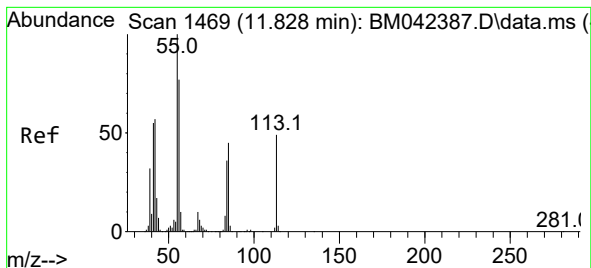
Tgt Ion: 82 Resp: 1046429
Ion Ratio Lower Upper
82 100
128 40.1 29.0 43.6
54 54.4 43.7 65.5



#32
Benzoic acid
Concen: 5.402 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion: 122 Resp: 810
Ion Ratio Lower Upper
122 100
105 181.4 104.9 144.9#
77 181.1 83.4 123.4#

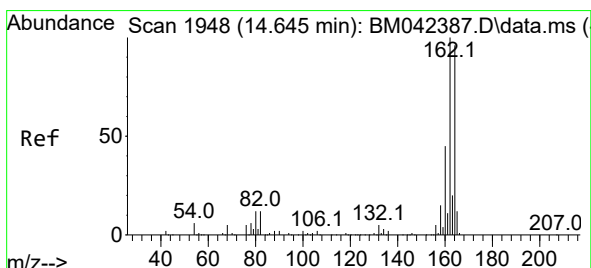
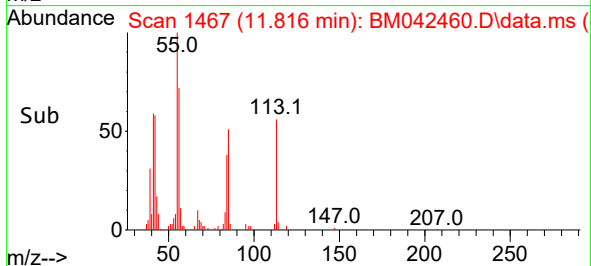
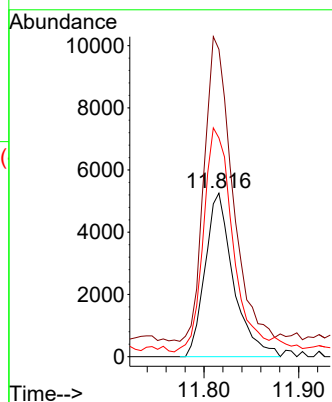
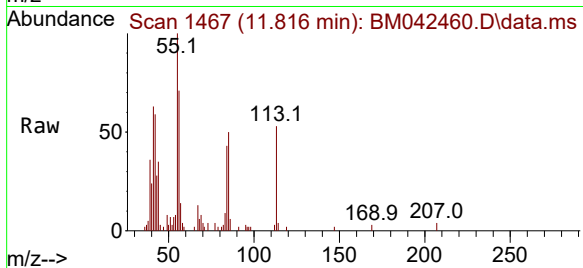




#35
Caprolactam
Concen: 8.143 ng
RT: 11.816 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

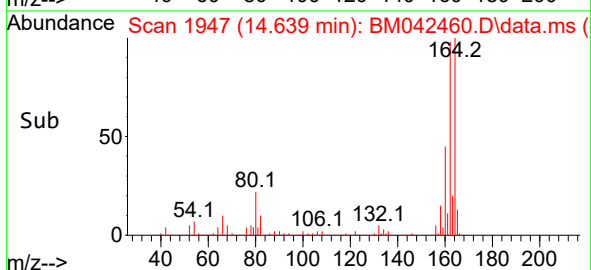
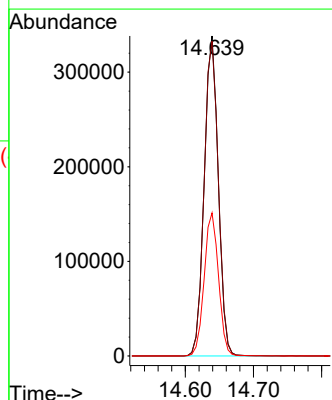
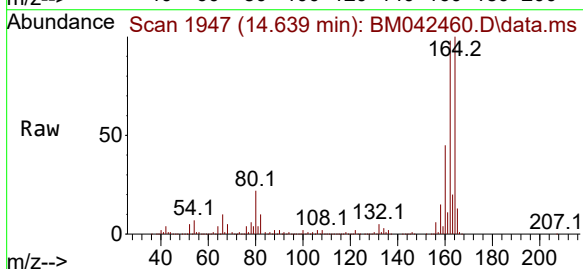
Instrument :
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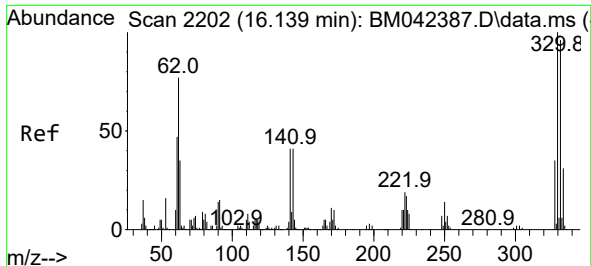
Tgt Ion:113 Resp: 10911
Ion Ratio Lower Upper
113 100
55 188.0 185.6 225.6
56 133.8 137.8 177.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:164 Resp: 484113
Ion Ratio Lower Upper
164 100
162 98.4 83.0 124.4
160 44.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 112.904 ng

RT: 16.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042460.D

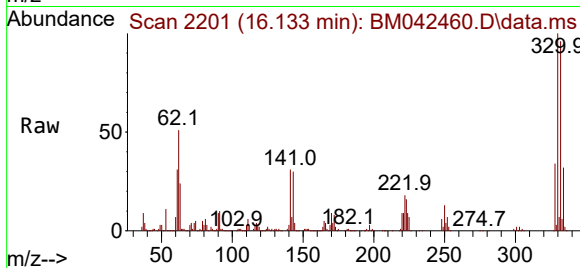
Acq: 26 Oct 2023 19:47

Instrument :

BNA_M

ClientSampleId :

72-11985



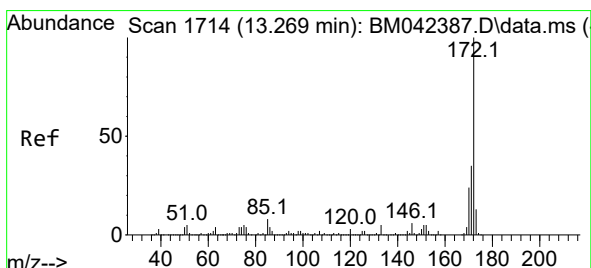
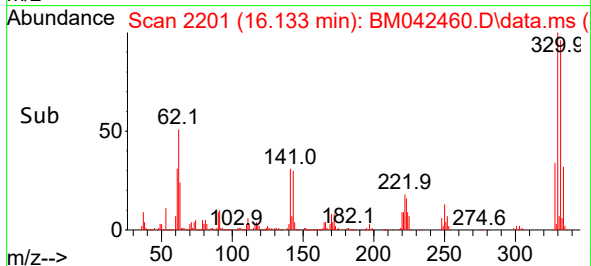
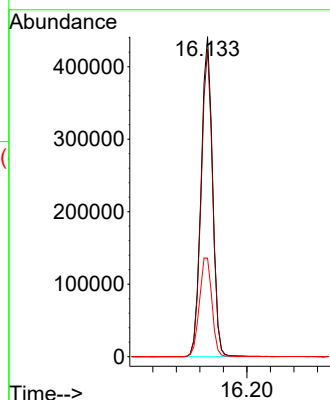
Tgt Ion:330 Resp: 596632

Ion Ratio Lower Upper

330 100

332 96.1 77.6 116.4

141 33.8 38.0 57.0#



#45

2-Fluorobiphenyl

Concen: 54.021 ng

RT: 13.263 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

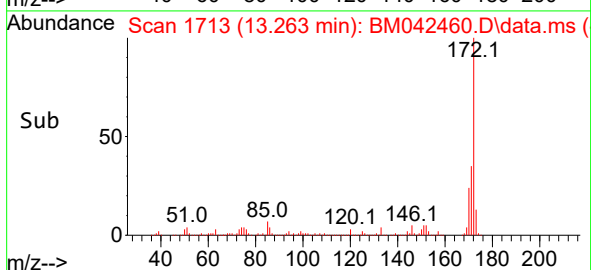
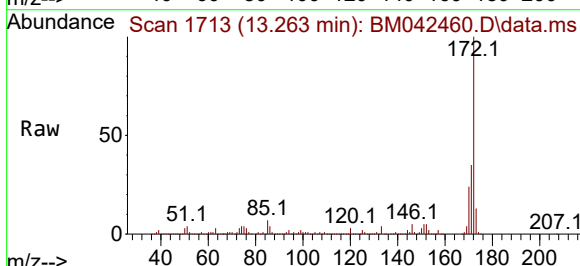
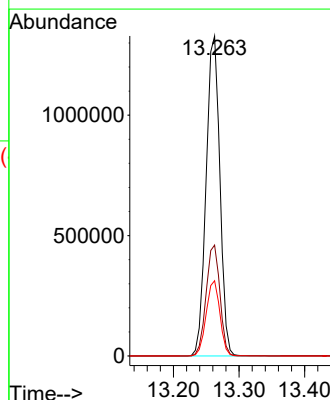
Tgt Ion:172 Resp: 1942085

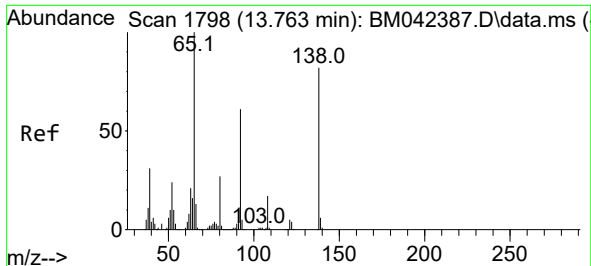
Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 23.5 18.9 28.3

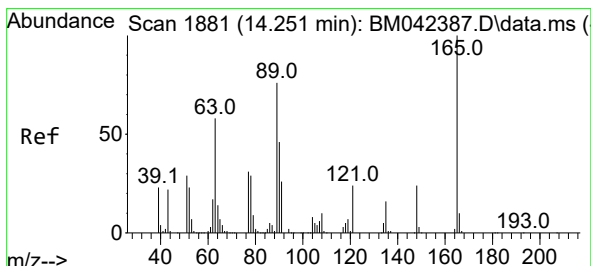
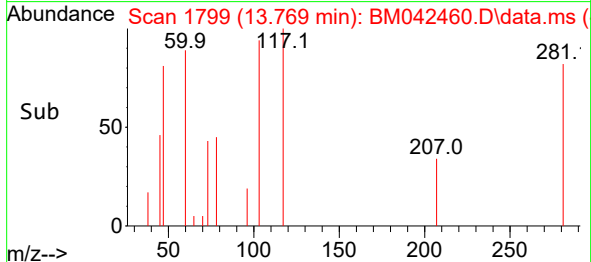
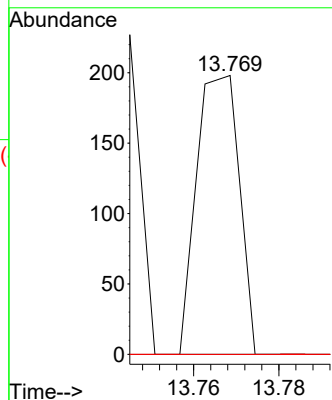
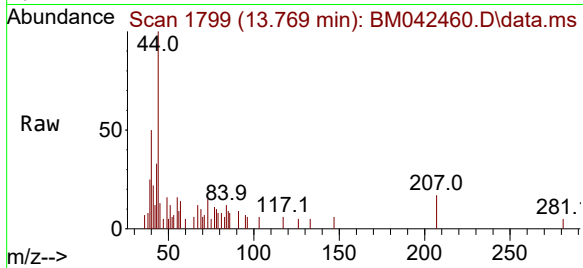




#48
2-Nitroaniline
Concen: 3.650 ng
RT: 13.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

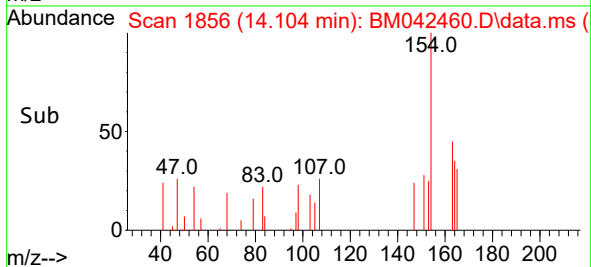
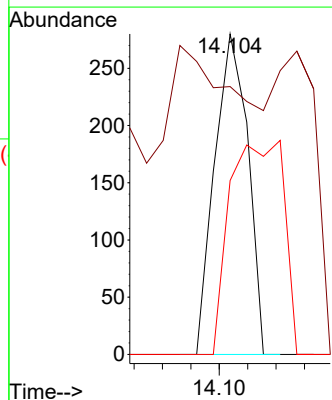
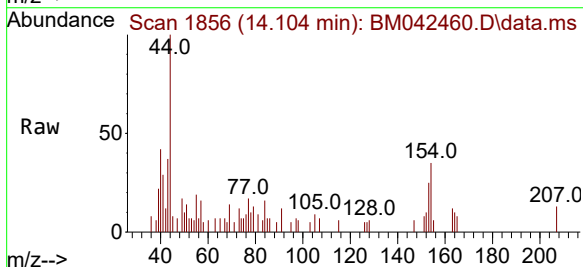
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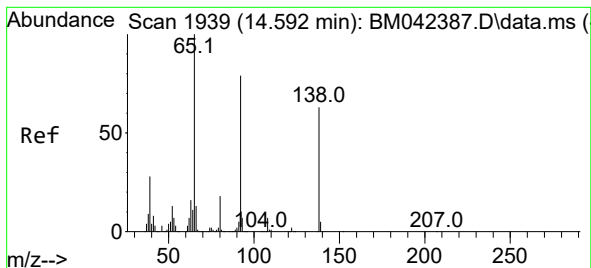
Tgt Ion: 65 Resp: 138
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.6#
138 0.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 2.914 ng
RT: 14.104 min Scan# 1856
Delta R.T. -0.147 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion: 165 Resp: 227
Ion Ratio Lower Upper
165 100
63 83.6 65.3 97.9
89 54.3 60.6 91.0#

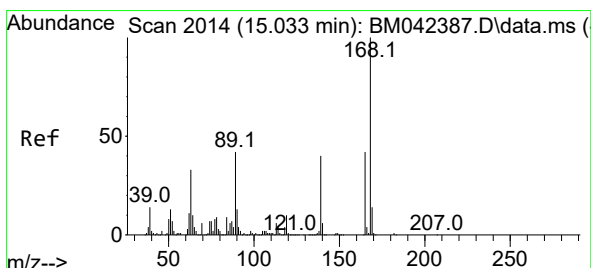
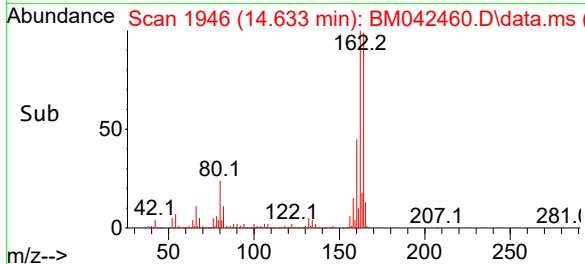
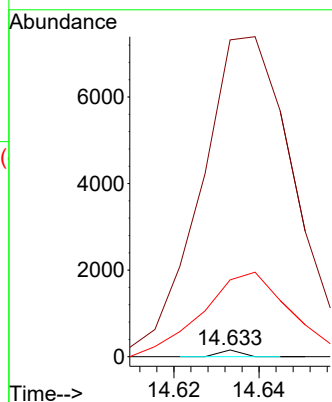
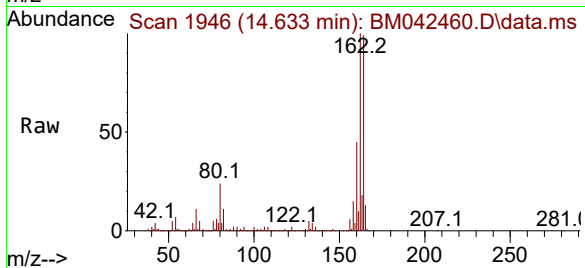




#53
3-Nitroaniline
Concen: 3.271 ng
RT: 14.633 min Scan# 1939
Delta R.T. 0.041 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

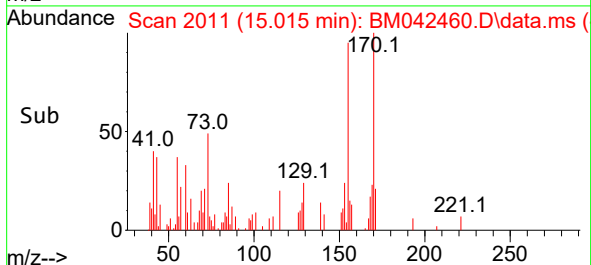
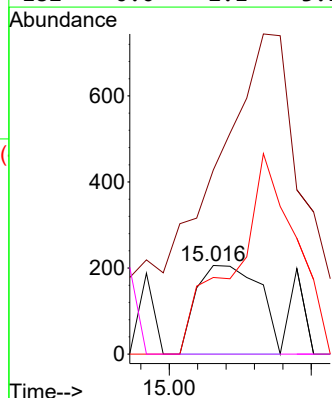
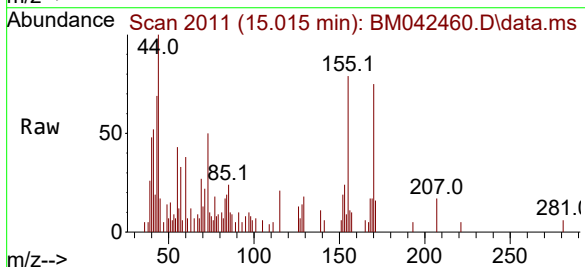
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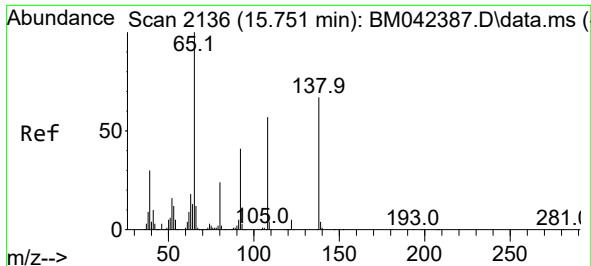
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 4753.9 8.3 12.5#
92 1152.6 100.6 151.0#



#57
2,4-Dinitrotoluene
Concen: 4.091 ng
RT: 15.015 min Scan# 2011
Delta R.T. -0.018 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:165 Resp: 319
Ion Ratio Lower Upper
165 100
63 207.8 62.9 94.3#
89 86.4 80.2 120.2
182 0.0 2.1 3.1#

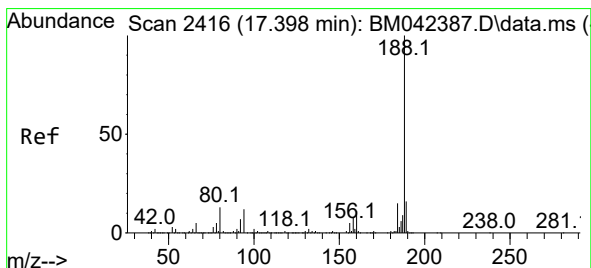
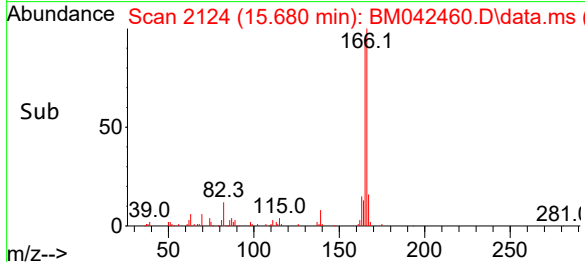
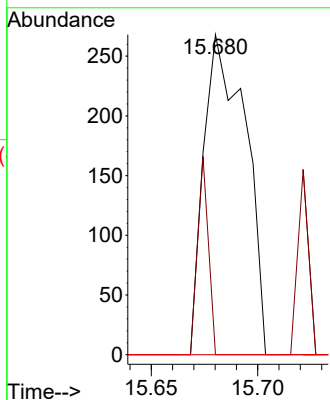
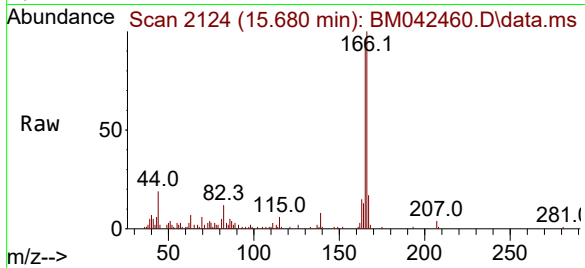




#62
4-Nitroaniline
Concen: 3.838 ng
RT: 15.680 min Scan# 2136
Delta R.T. -0.071 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

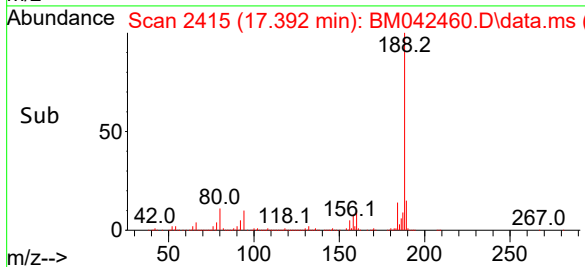
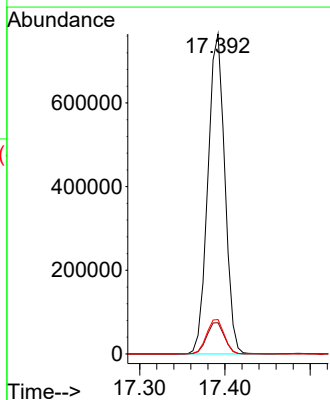
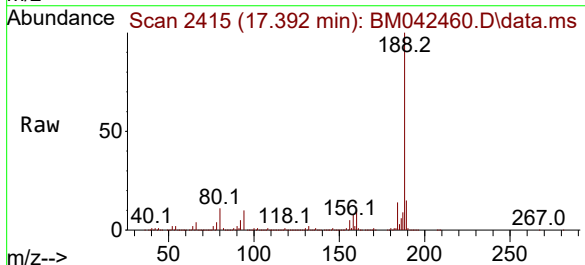
Instrument :
BNA_M
ClientSampleId :
72-11985

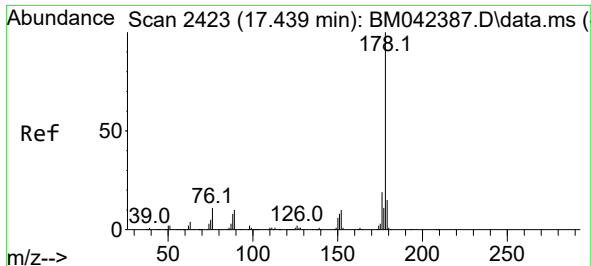
Tgt Ion:138 Resp: 365
Ion Ratio Lower Upper
138 100
92 0.0 40.4 80.4#
108 0.0 65.3 105.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:188 Resp: 1055146
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.0
80 10.8 10.7 16.1

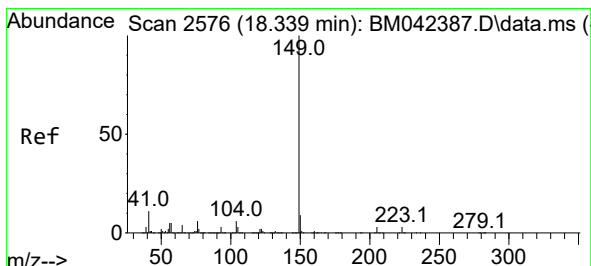
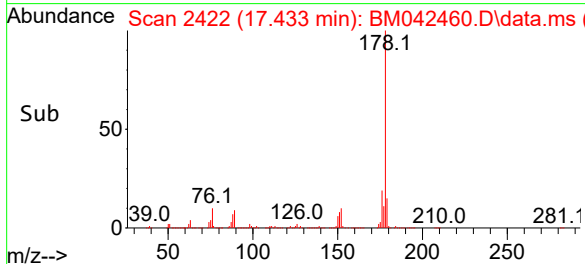
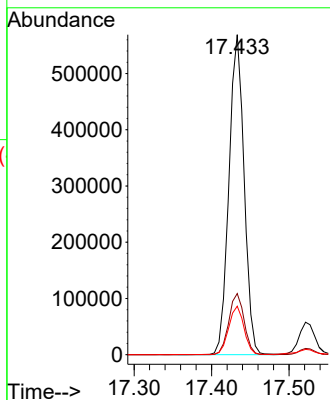
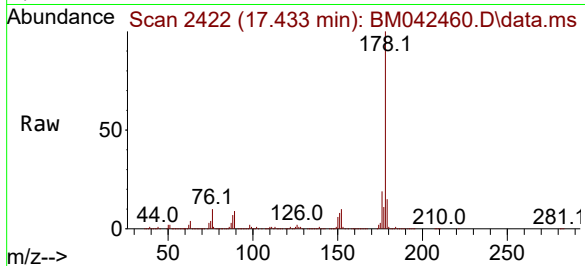




#71
Phenanthrene
Concen: 13.508 ng
RT: 17.433 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

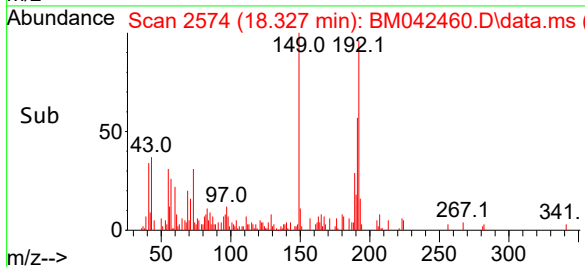
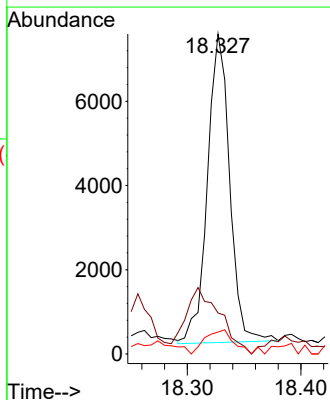
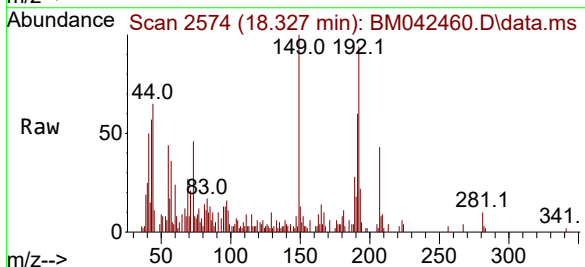
Instrument :
BNA_M
ClientSampleId :
72-11985

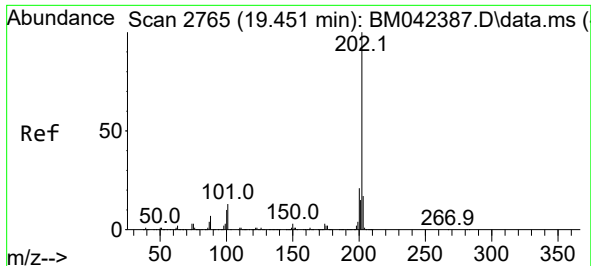
Tgt Ion:178 Resp: 775374
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.2 12.3 18.5



#74
Di-n-butylphthalate
Concen: 2.957 ng
RT: 18.327 min Scan# 2574
Delta R.T. -0.012 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:149 Resp: 9990
Ion Ratio Lower Upper
149 100
150 12.8 7.4 11.0#
104 6.8 4.6 7.0

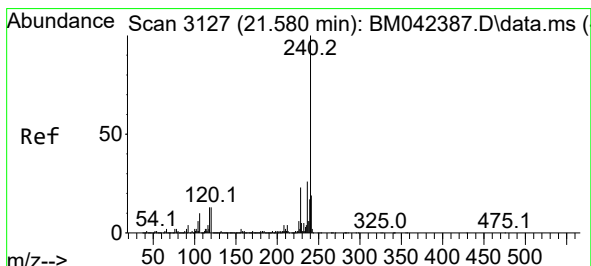
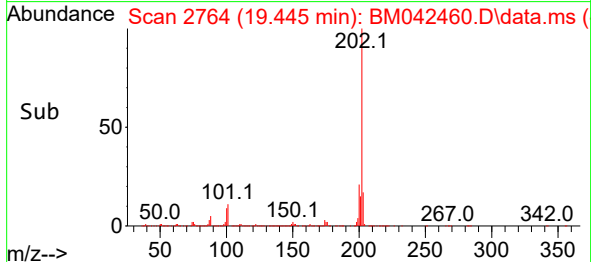
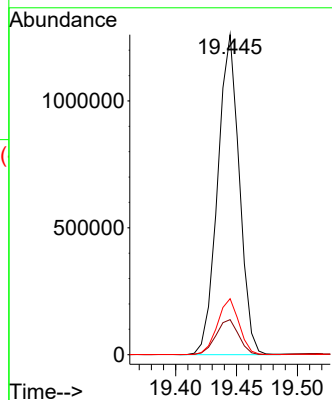
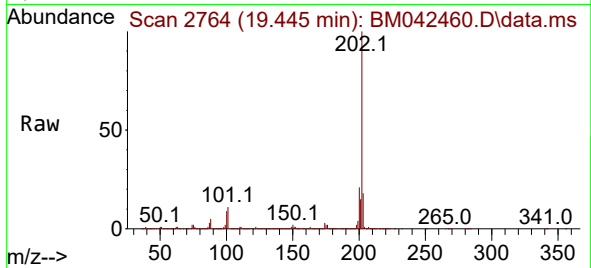




#75
Fluoranthene
Concen: 24.694 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

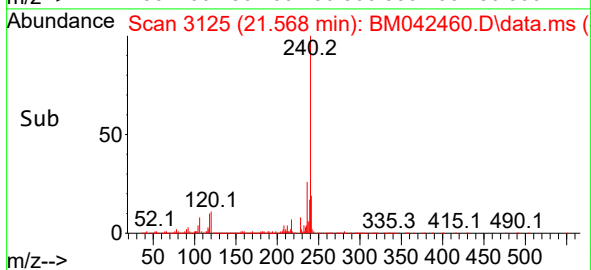
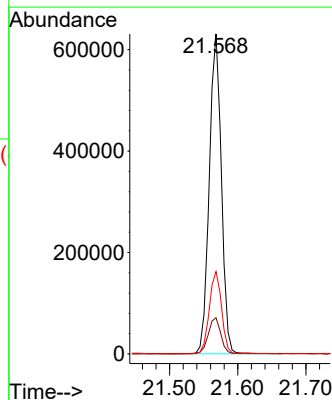
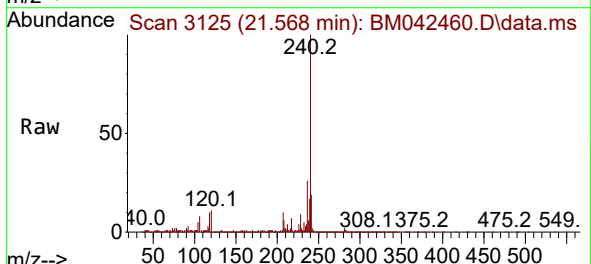
Instrument :
BNA_M
ClientSampleId :
72-11985

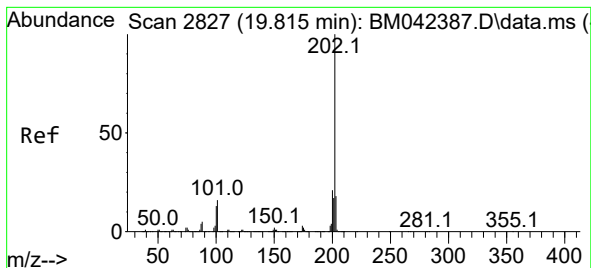
Tgt Ion:202 Resp: 1561098
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.3
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:240 Resp: 777905
Ion Ratio Lower Upper
240 100
120 11.3 10.7 16.1
236 25.8 20.7 31.1





#78

Pyrene

Concen: 24.459 ng

RT: 19.809 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

Instrument :

BNA_M

ClientSampleId :

72-11985

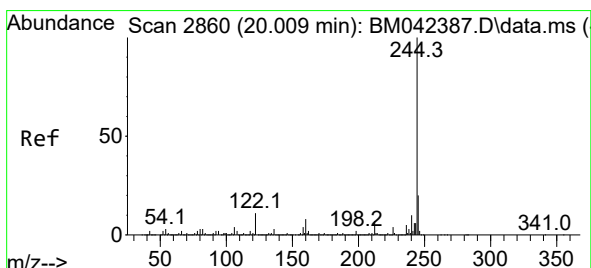
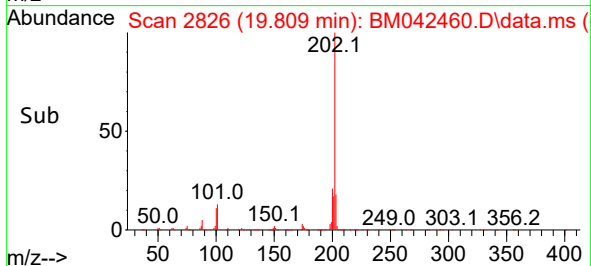
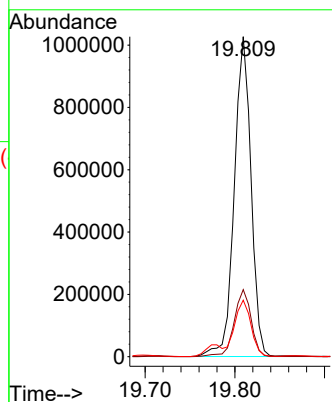
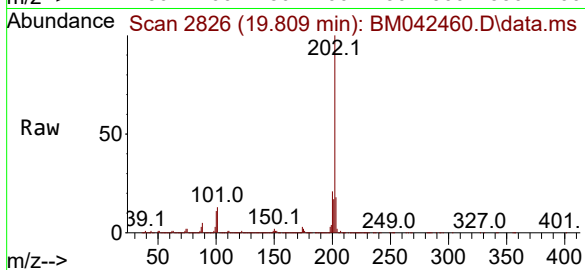
Tgt Ion:202 Resp: 1329569

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 68.196 ng

RT: 19.998 min Scan# 2858

Delta R.T. -0.011 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

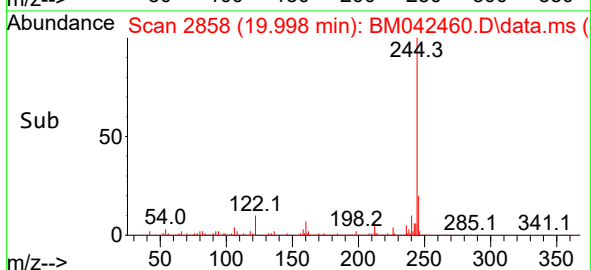
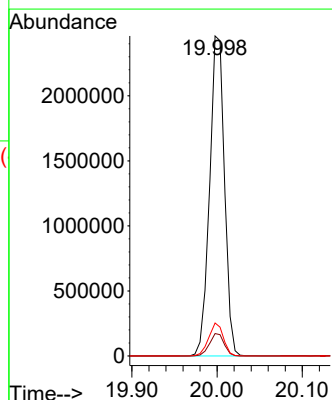
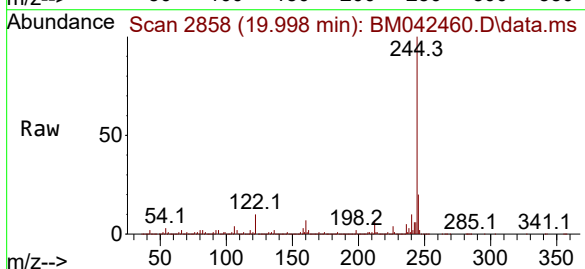
Tgt Ion:244 Resp: 2991273

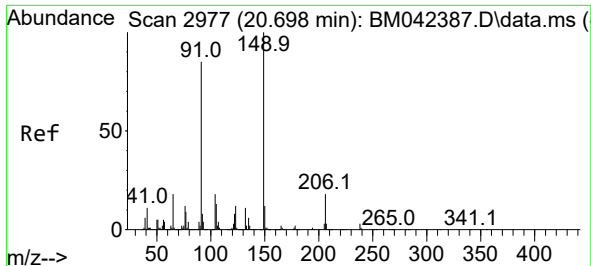
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 8.8 13.2

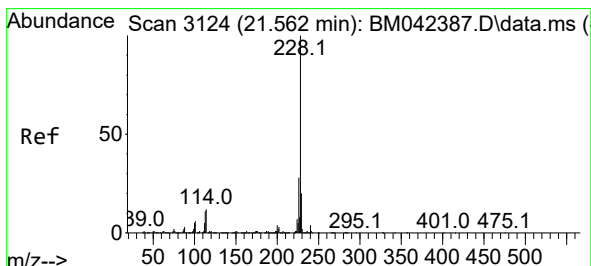
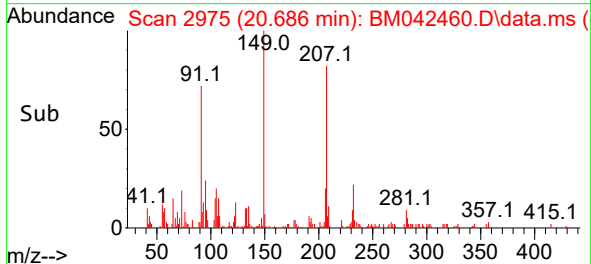
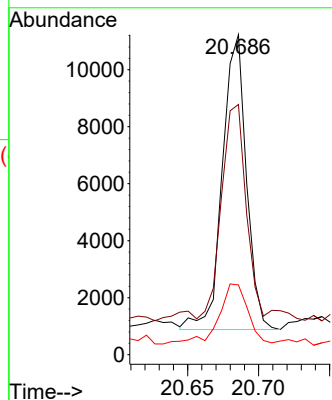
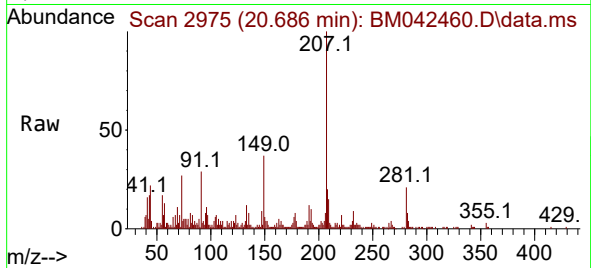




#80
Butylbenzylphthalate
Concen: 3.719 ng
RT: 20.686 min Scan# 2975
Delta R.T. -0.012 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

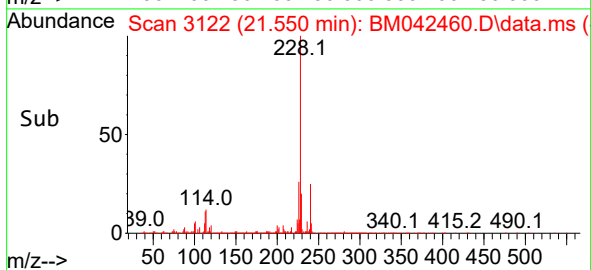
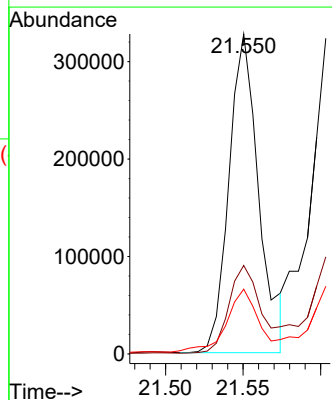
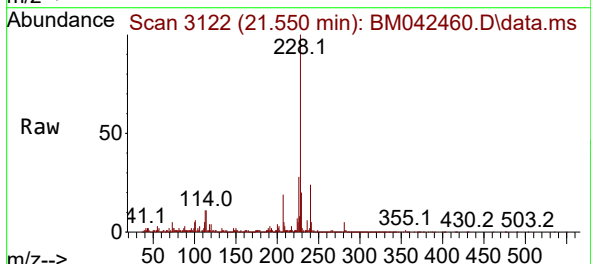
Instrument :
BNA_M
ClientSampleId :
72-11985

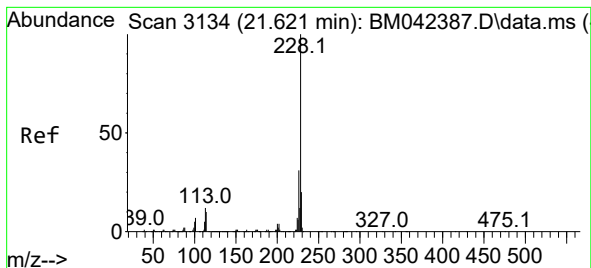
Tgt Ion:149 Resp: 12182
Ion Ratio Lower Upper
149 100
91 78.2 68.3 102.5
206 21.8 14.6 22.0



#81
Benzo(a)anthracene
Concen: 8.399 ng
RT: 21.550 min Scan# 3122
Delta R.T. -0.012 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:228 Resp: 438000
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.4
229 20.3 15.7 23.5





#83

Chrysene

Concen: 9.525 ng

RT: 21.603 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

Instrument :

BNA_M

ClientSampleId :

72-11985

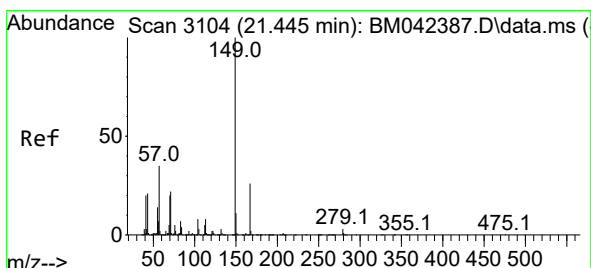
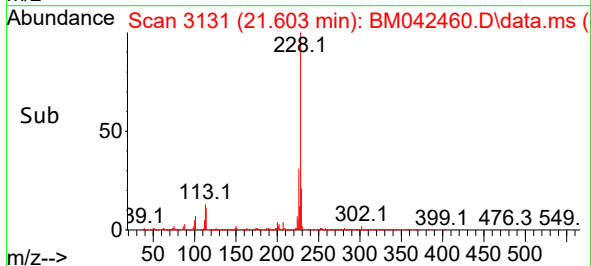
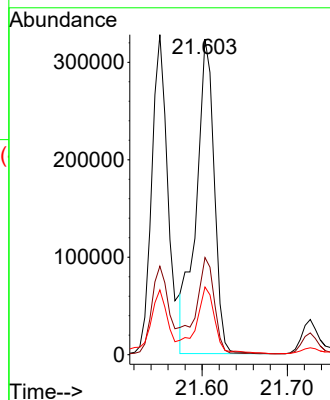
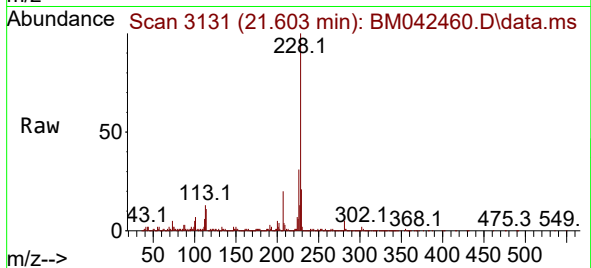
Tgt Ion:228 Resp: 477074

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

229 21.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.568 ng

RT: 21.427 min Scan# 3101

Delta R.T. -0.018 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

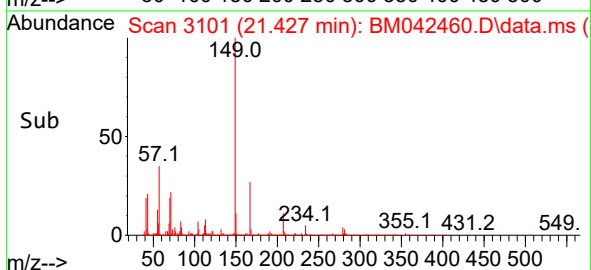
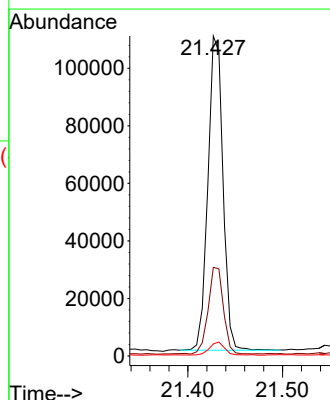
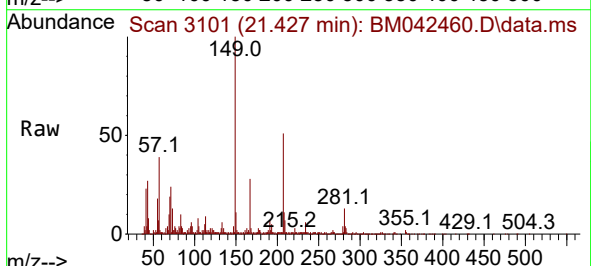
Tgt Ion:149 Resp: 120533

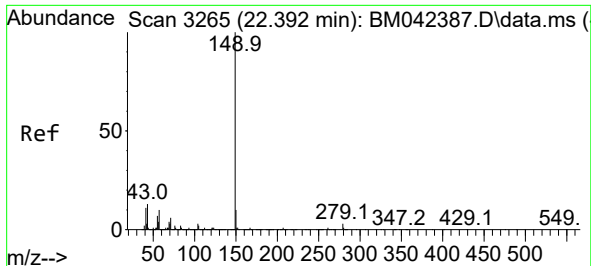
Ion Ratio Lower Upper

149 100

167 27.7 20.9 31.3

279 3.8 2.7 4.1

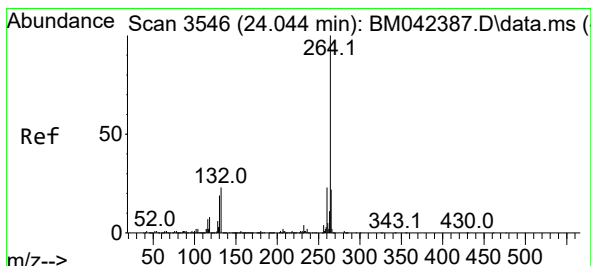
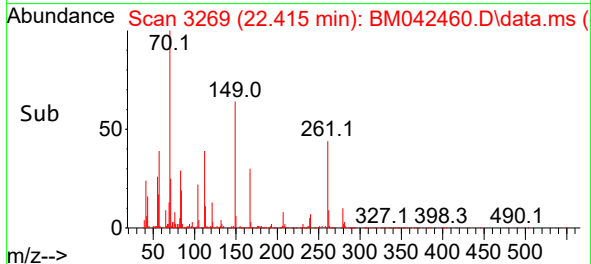
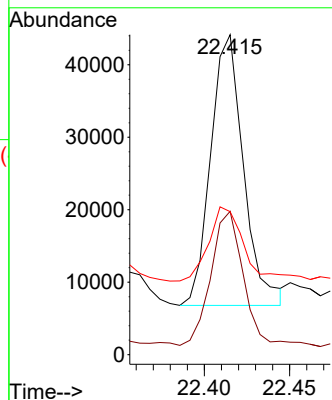
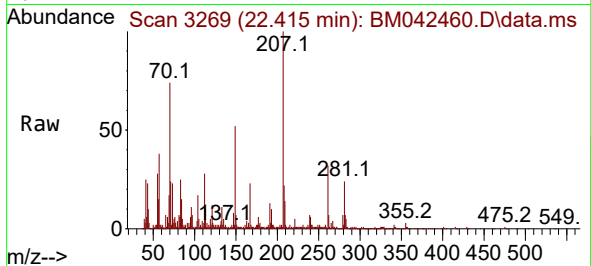




#85
Di-n-octyl phthalate
Concen: 4.975 ng
RT: 22.415 min Scan# 31
Delta R.T. 0.023 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

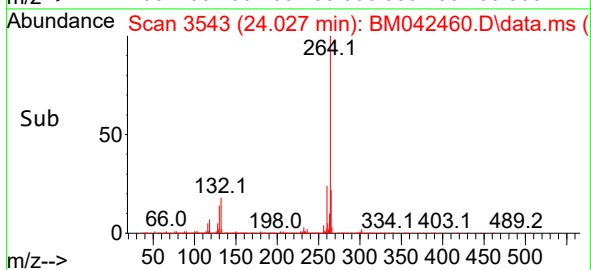
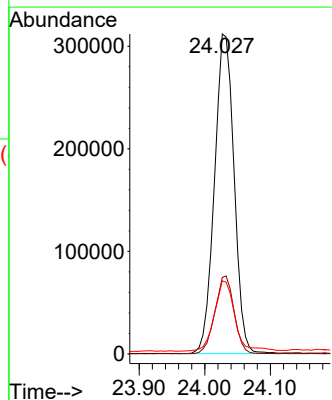
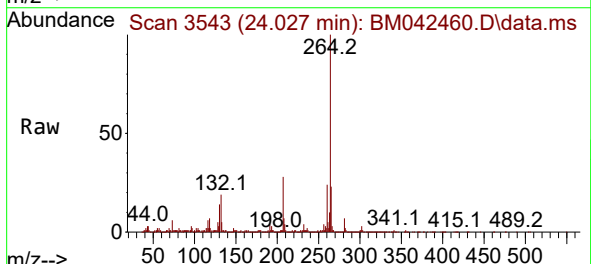
Instrument :
BNA_M
ClientSampleId :
72-11985

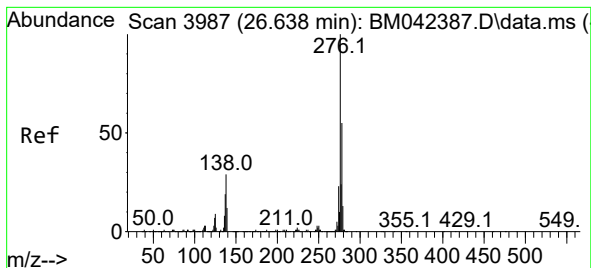
Tgt Ion:149 Resp: 50063
Ion Ratio Lower Upper
149 100
167 50.1 1.2 1.8#
43 31.1 11.0 16.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.027 min Scan# 3543
Delta R.T. -0.018 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:264 Resp: 645566
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.8 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.012 ng

RT: 26.609 min Scan# 3982

Delta R.T. -0.029 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

Instrument :

BNA_M

ClientSampleId :

72-11985

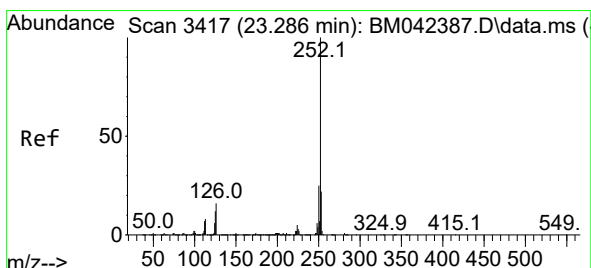
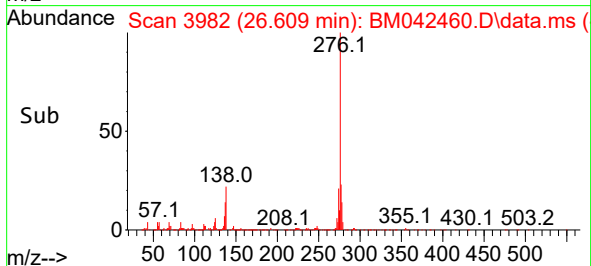
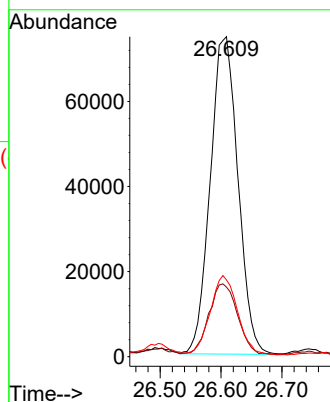
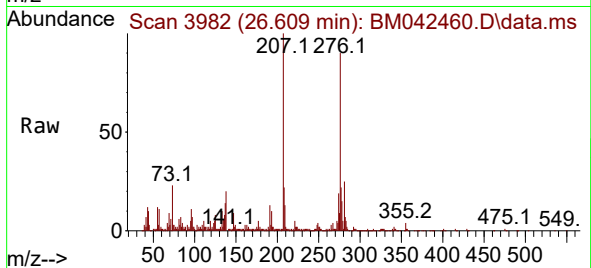
Tgt Ion:276 Resp: 236448

Ion Ratio Lower Upper

276 100

138 23.0 25.6 38.4#

277 24.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 13.390 ng

RT: 23.268 min Scan# 3414

Delta R.T. -0.018 min

Lab File: BM042460.D

Acq: 26 Oct 2023 19:47

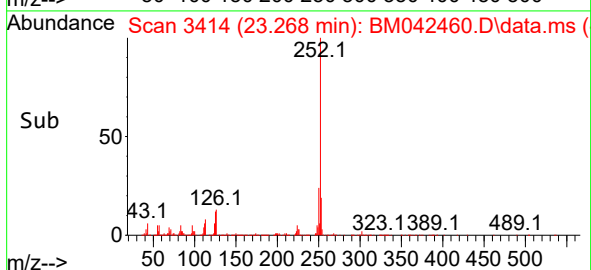
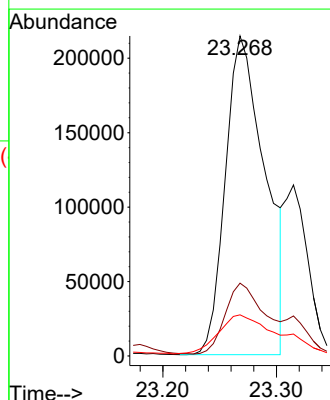
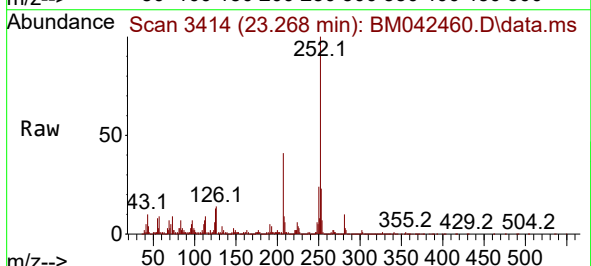
Tgt Ion:252 Resp: 520311

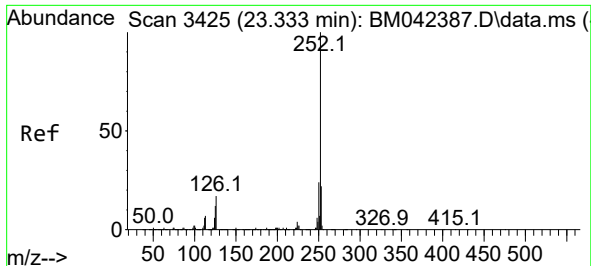
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 12.8 9.8 14.8

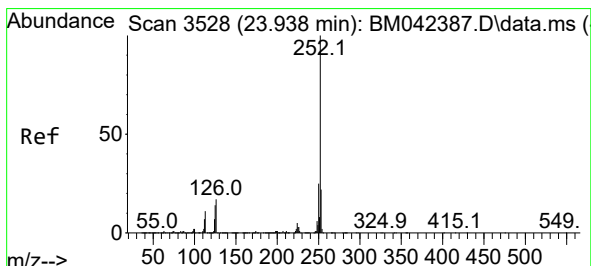
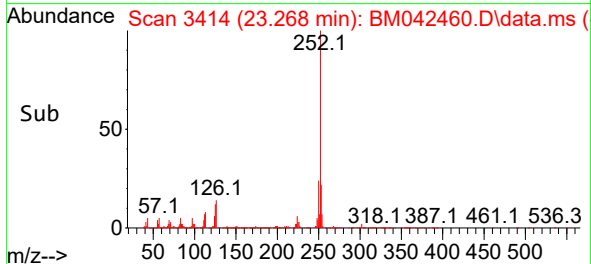
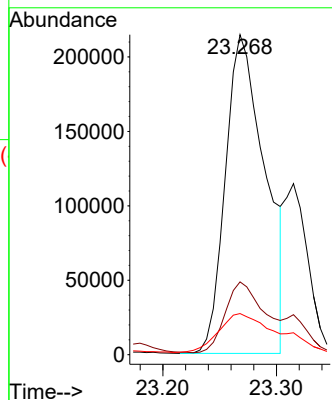
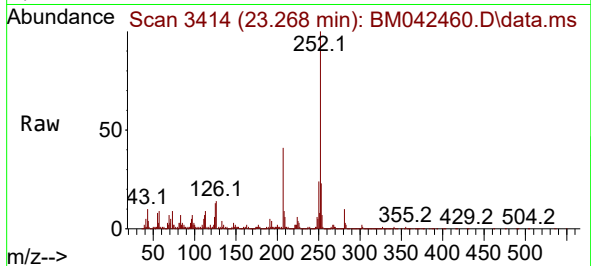




#89
Benzo(k)fluoranthene
Concen: 12.897 ng
RT: 23.268 min Scan# 34
Delta R.T. -0.065 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

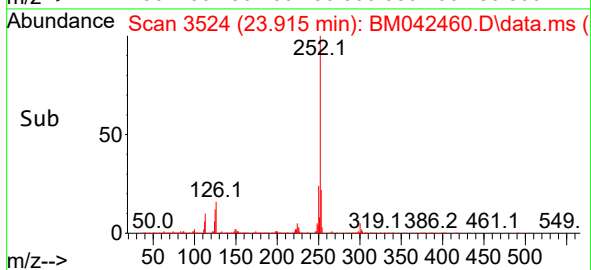
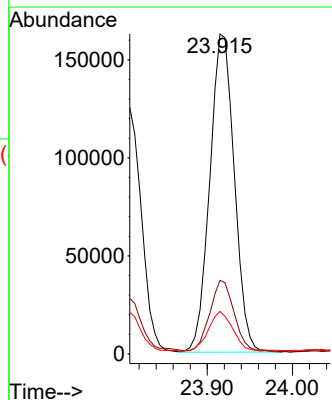
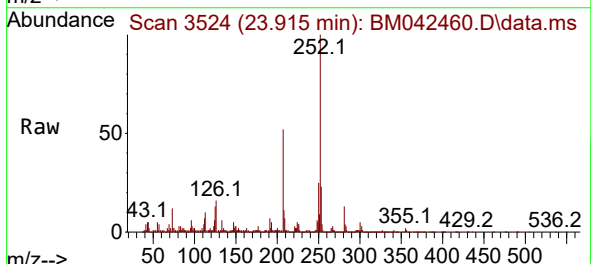
Instrument :
BNA_M
ClientSampleId :
72-11985

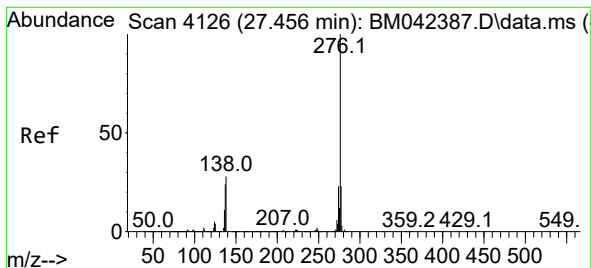
Tgt Ion:252 Resp: 520311
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.8 10.2 15.2



#90
Benzo(a)pyrene
Concen: 8.676 ng
RT: 23.915 min Scan# 3524
Delta R.T. -0.024 min
Lab File: BM042460.D
Acq: 26 Oct 2023 19:47

Tgt Ion:252 Resp: 324494
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 13.3 10.9 16.3





#92

Benzo(g,h,i)perylene

Concen: 6.302 ng

RT: 27.421 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM042460.D

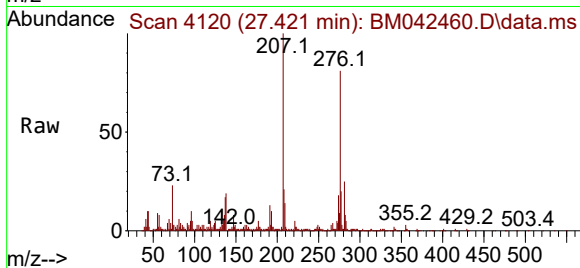
Acq: 26 Oct 2023 19:47

Instrument :

BNA_M

ClientSampleId :

72-11985



Tgt Ion:276 Resp: 240078

Ion Ratio Lower Upper

276 100

277 24.8 18.3 27.5

138 22.8 22.6 34.0

