

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102323\
 Data File : BM042410.D
 Acq On : 23 Oct 2023 19:59
 Operator : MA/JU
 Sample : 04945-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 23 22:33:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

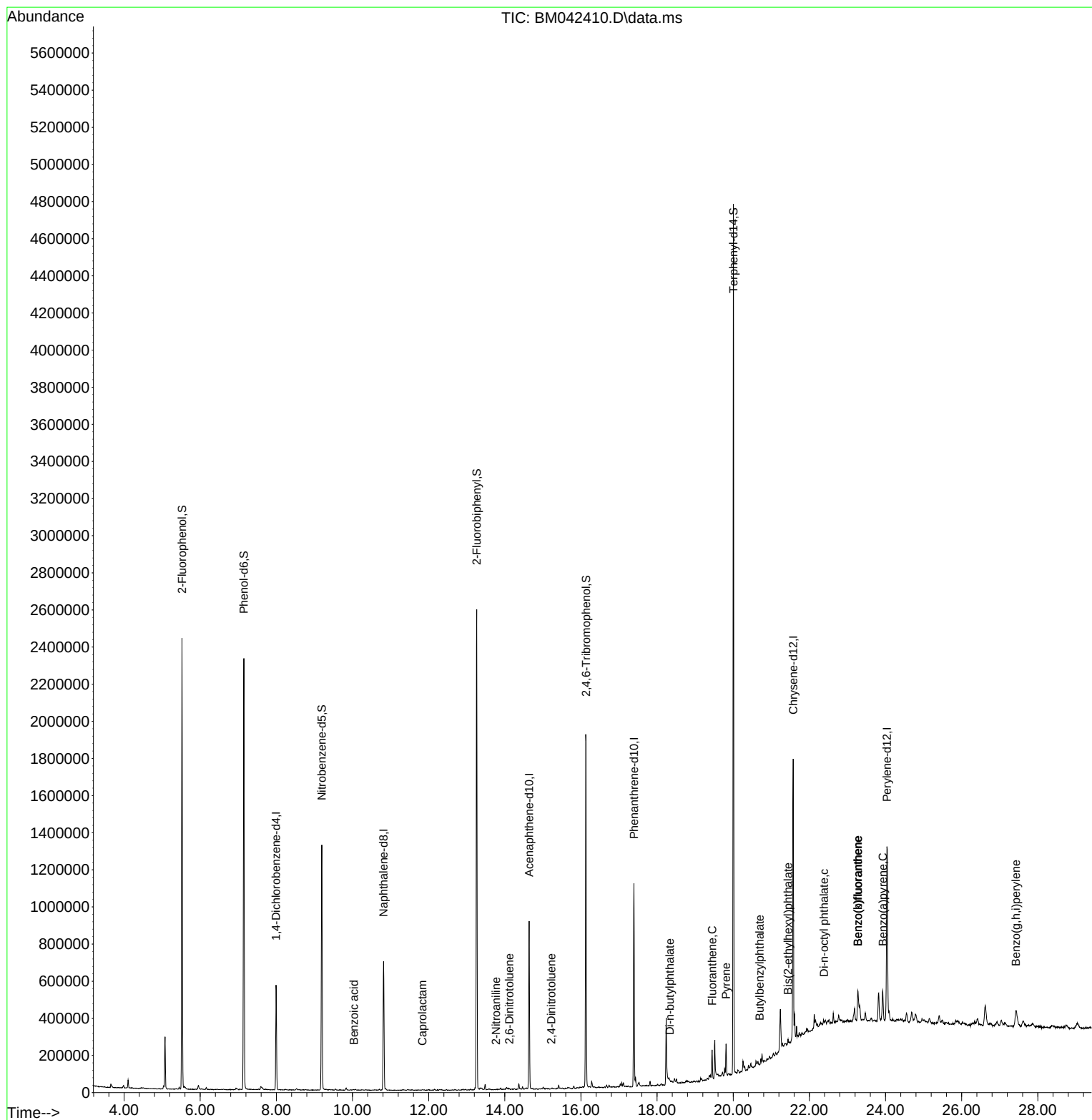
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	134984	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	522751	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	264882	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	566236	20.000	ng	0.00
76) Chrysene-d12	21.574	240	591544	20.000	ng	0.00
86) Perylene-d12	24.039	264	676141	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	906129	94.874	ng	0.00
7) Phenol-d6	7.146	99	1179619	92.162	ng	0.00
23) Nitrobenzene-d5	9.192	82	724529	61.288	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	261736	92.355	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1183459	60.165	ng	0.00
79) Terphenyl-d14	20.004	244	1938281	58.111	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.034	122	59	5.332	ng	# 1
35) Caprolactam	11.833	113	58	5.947	ng	# 1
48) 2-Nitroaniline	13.769	65	66	3.649	ng	# 13
51) 2,6-Dinitrotoluene	14.116	165	151	2.920	ng	# 10
57) 2,4-Dinitrotoluene	15.222	165	191	4.093	ng	# 38
74) Di-n-butylphthalate	18.333	149	5253	2.954	ng	# 91
75) Fluoranthene	19.445	202	79799	2.352	ng	97
78) Pyrene	19.809	202	90956	2.200	ng	98
80) Butylbenzylphthalate	20.692	149	343	3.275	ng	# 51
84) Bis(2-ethylhexyl)phtha...	21.439	149	7203	3.620	ng	# 100
85) Di-n-octyl phthalate	22.380	149	1744	4.253	ng	# 66
88) Benzo(b)fluoranthene	23.274	252	139206	3.420	ng	# 96
89) Benzo(k)fluoranthene	23.274	252	139206	3.294	ng	# 97
90) Benzo(a)pyrene	23.927	252	101801	2.599	ng	# 97
92) Benzo(g,h,i)perylene	27.427	276	94473	2.368	ng	97

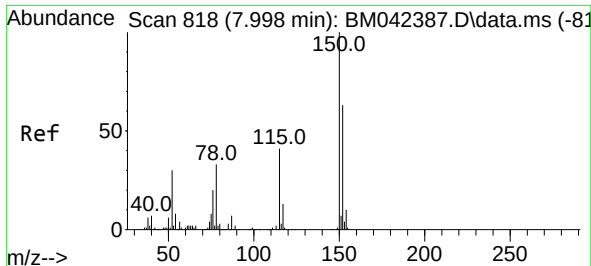
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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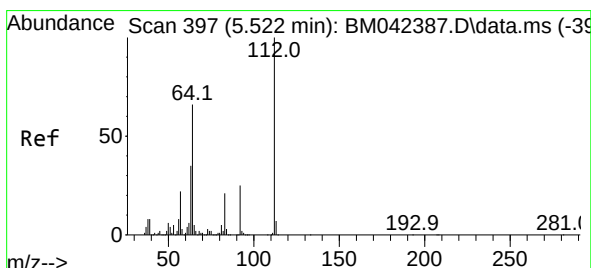
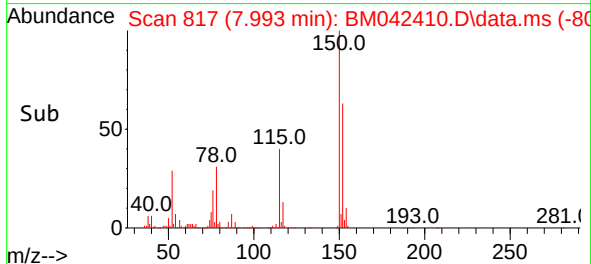
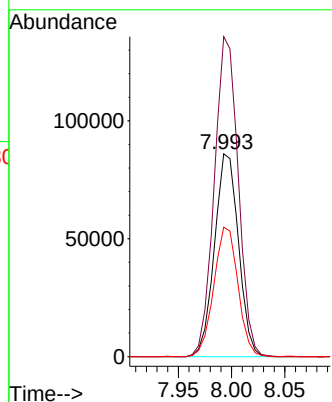
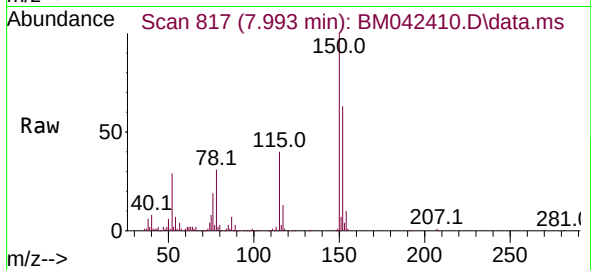




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

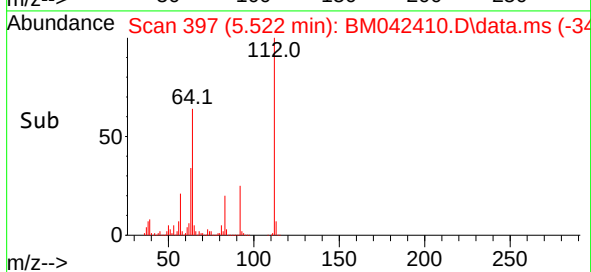
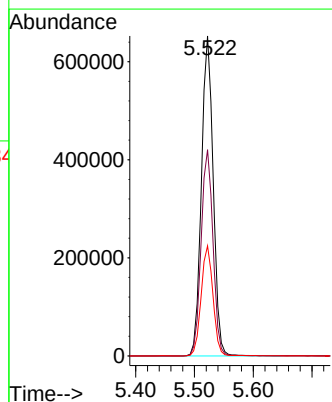
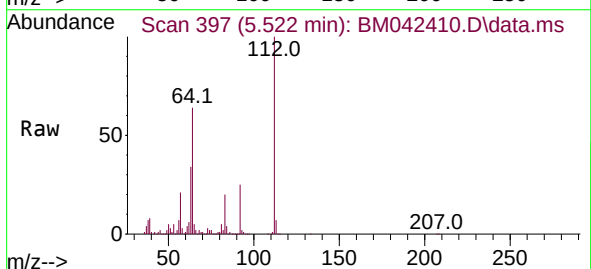
Instrument :
BNA_M
ClientSampleId :

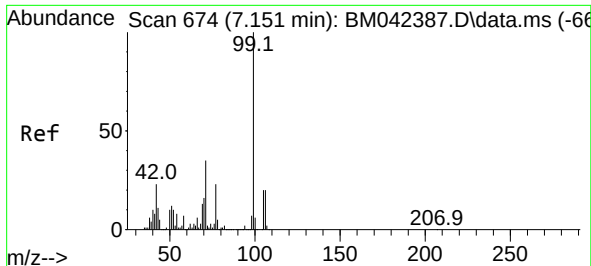
Tgt Ion:152 Resp: 134984
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.4
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 94.874 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Tgt Ion:112 Resp: 906129
Ion Ratio Lower Upper
112 100
64 64.4 52.7 79.1
63 34.4 28.3 42.5

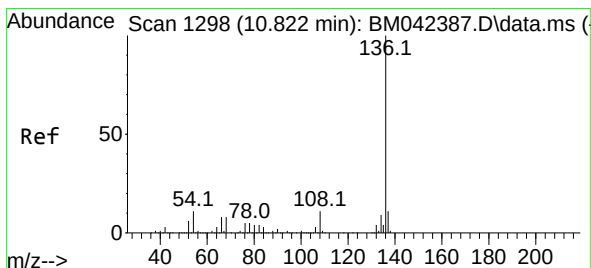
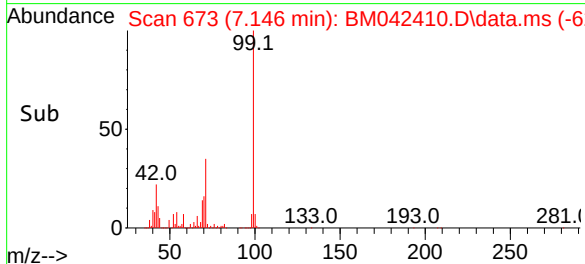
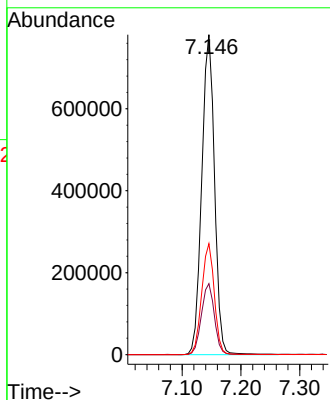
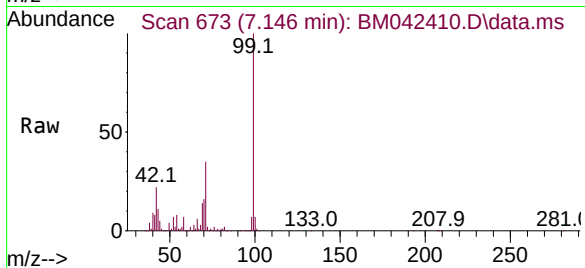




#7
Phenol-d6
Concen: 92.162 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

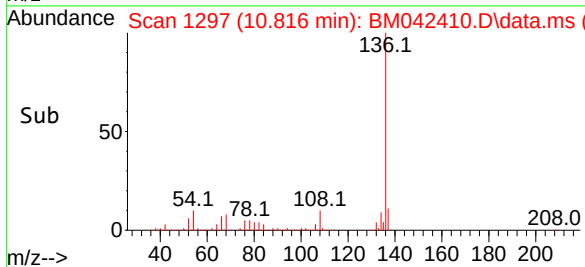
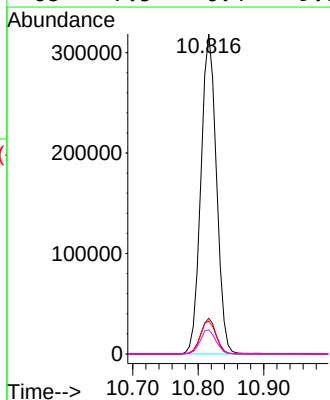
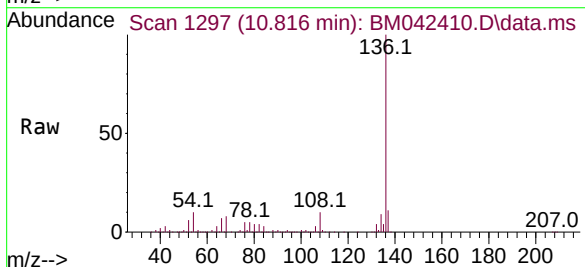
Instrument :
BNA_M
ClientSampleId :

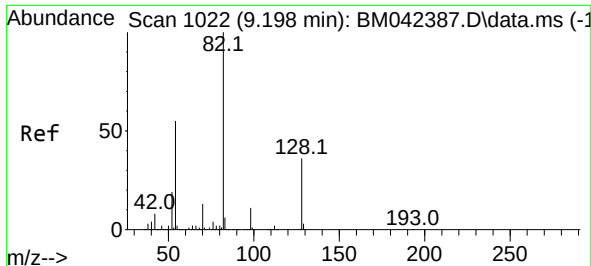
Tgt Ion: 99 Resp: 1179619
Ion Ratio Lower Upper
99 100
42 22.2 18.5 27.7
71 34.7 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Tgt Ion: 136 Resp: 522751
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 10.3 8.6 12.8
68 7.5 6.4 9.6

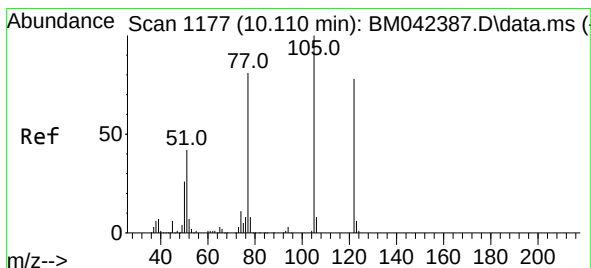
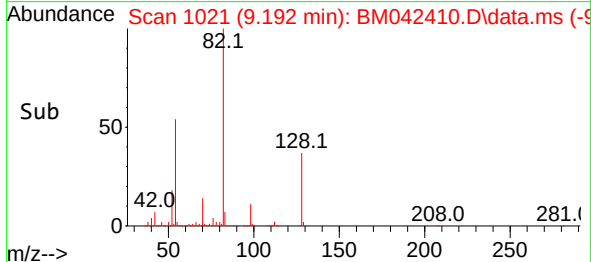
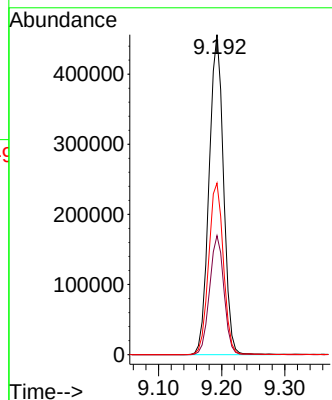
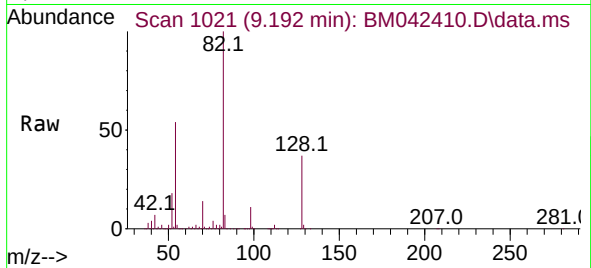




#23
Nitrobenzene-d5
Concen: 61.288 ng
RT: 9.192 min Scan# 10
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

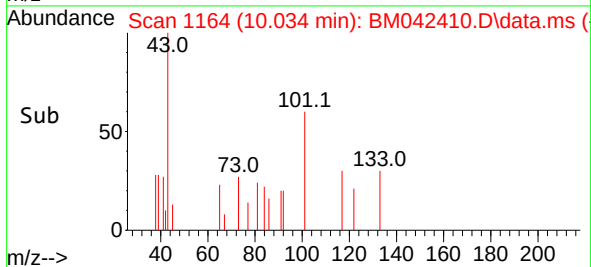
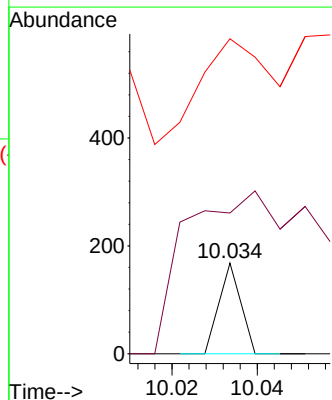
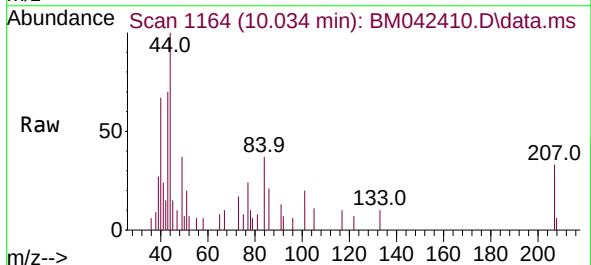
Instrument :
BNA_M
ClientSampleId :

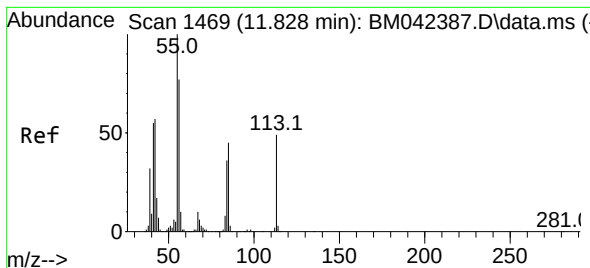
Tgt Ion: 82 Resp: 724529
Ion Ratio Lower Upper
82 100
128 37.2 29.0 43.6
54 53.6 43.7 65.5



#32
Benzoic acid
Concen: 5.332 ng
RT: 10.034 min Scan# 1164
Delta R.T. -0.076 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 155.4 104.9 144.9#
77 347.6 83.4 123.4#

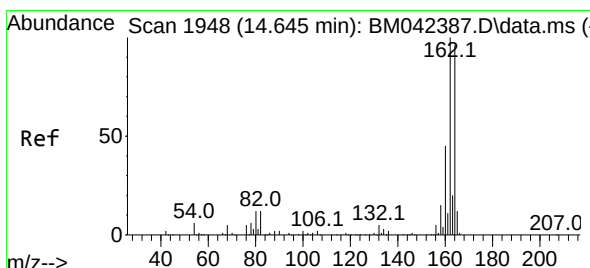
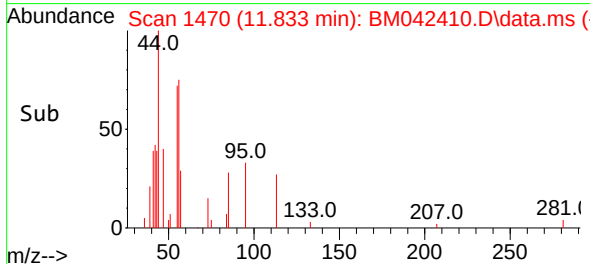
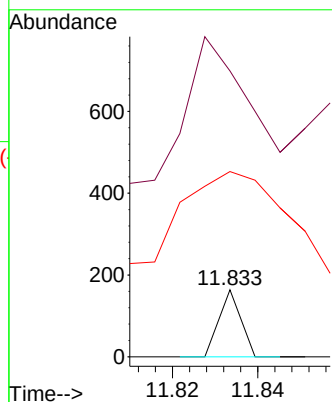
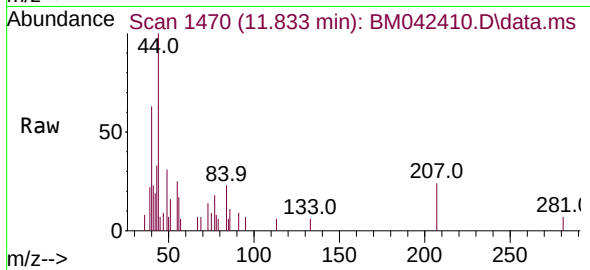




#35
Caprolactam
Concen: 5.947 ng
RT: 11.833 min Scan# 14
Delta R.T. 0.005 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

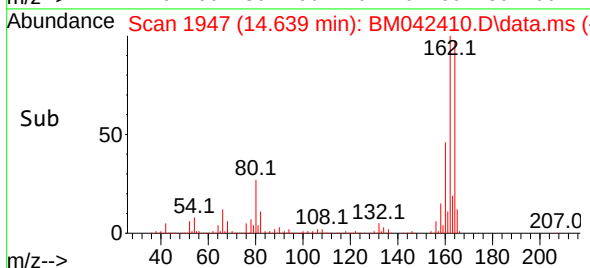
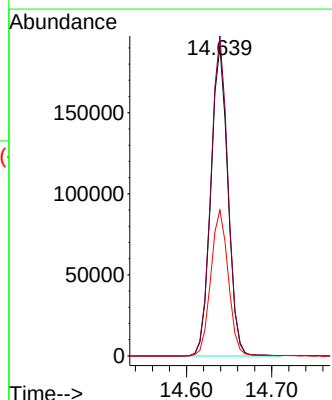
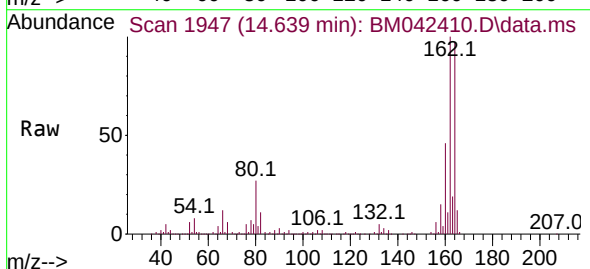
Instrument :
BNA_M
ClientSampleId :

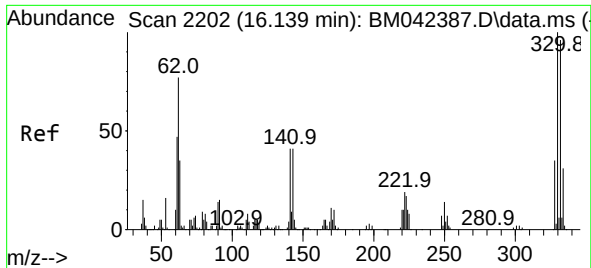
Tgt Ion:113 Resp: 58
Ion Ratio Lower Upper
113 100
55 426.2 185.6 225.6#
56 276.2 137.8 177.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

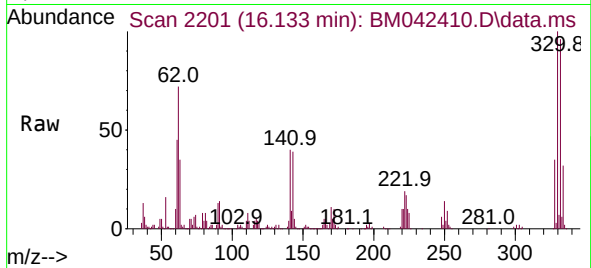
Tgt Ion:164 Resp: 264882
Ion Ratio Lower Upper
164 100
162 103.4 83.0 124.4
160 47.1 37.0 55.4



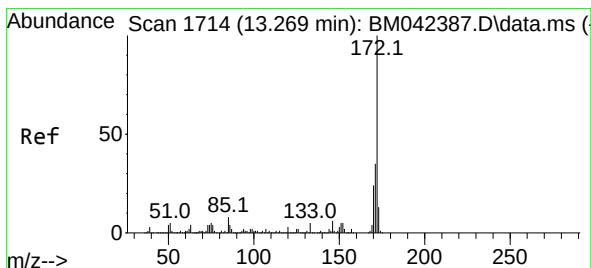
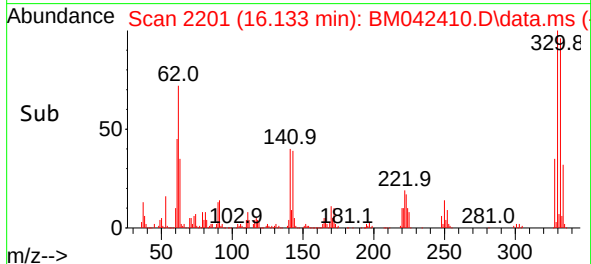
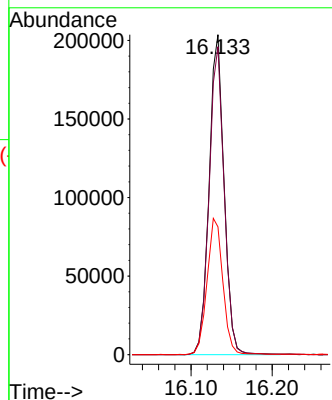


#42
2,4,6-Tribromophenol
Concen: 92.355 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Instrument :
BNA_M
ClientSampleId :

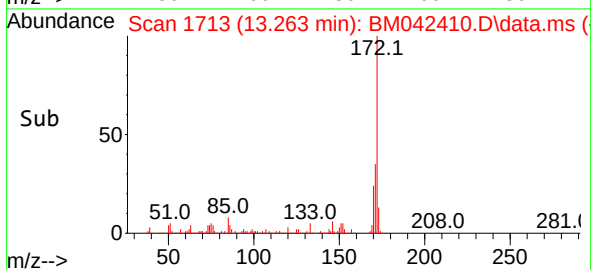
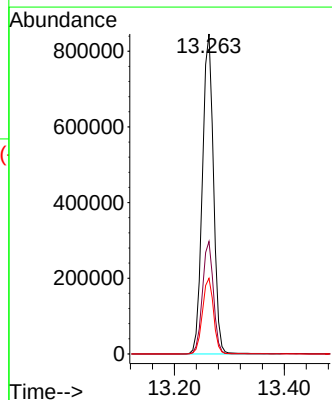
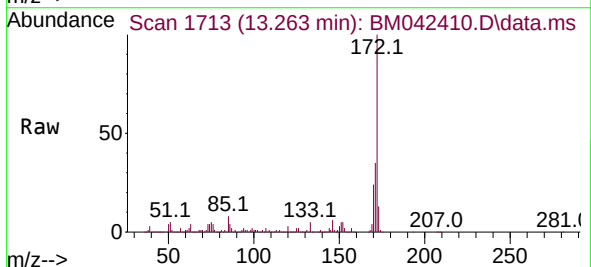


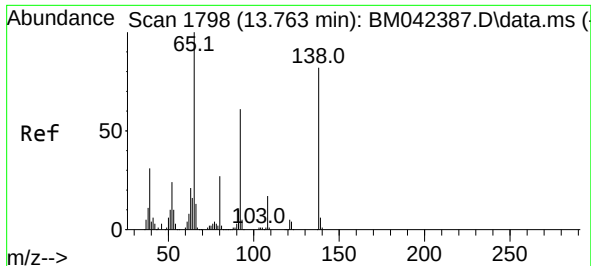
Tgt Ion:330 Resp: 261736
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 45.1 38.0 57.0



#45
2-Fluorobiphenyl
Concen: 60.165 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

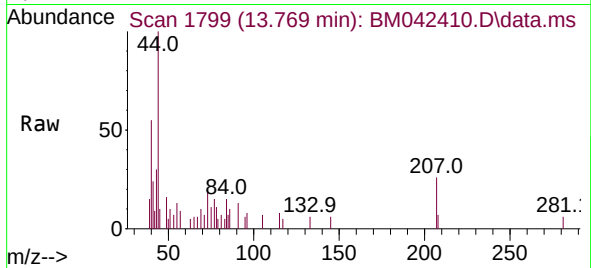
Tgt Ion:172 Resp: 1183459
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.6 18.9 28.3



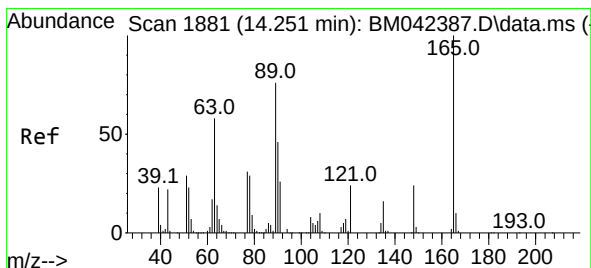
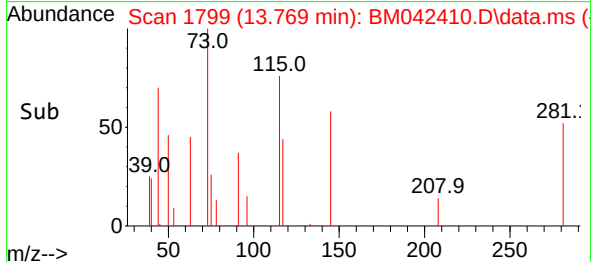
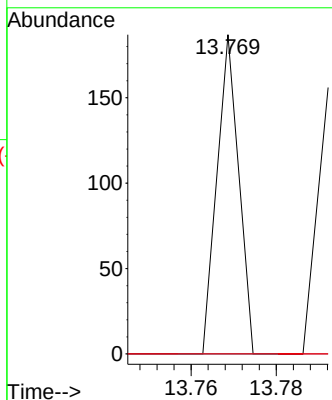


#48
2-Nitroaniline
Concen: 3.649 ng
RT: 13.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Instrument :
BNA_M
ClientSampleId :

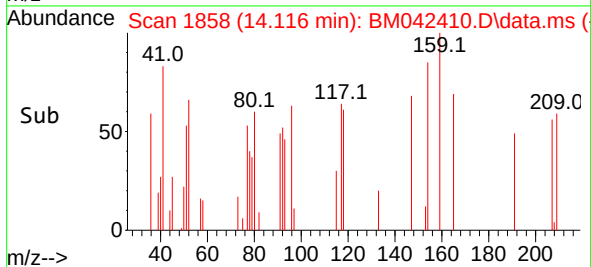
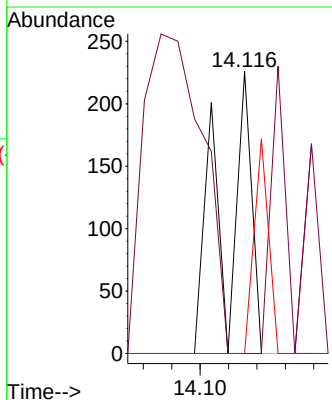
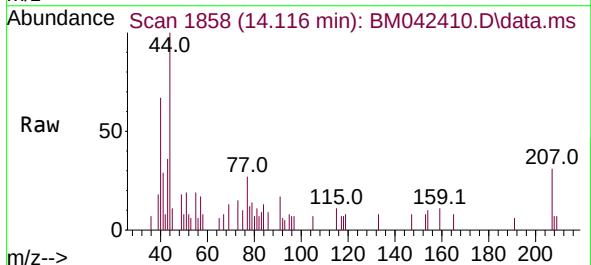


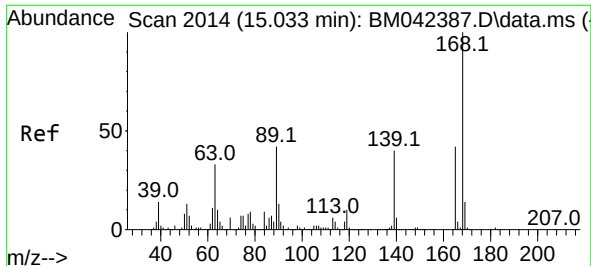
Tgt Ion: 65 Resp: 66
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.6#
138 0.0 65.5 98.3#



#51
2,6-Dinitrotoluene
Concen: 2.920 ng
RT: 14.116 min Scan# 1858
Delta R.T. -0.135 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Tgt Ion: 165 Resp: 151
Ion Ratio Lower Upper
165 100
63 0.0 65.3 97.9#
89 0.0 60.6 91.0#





#57

2,4-Dinitrotoluene

Concen: 4.093 ng

RT: 15.222 min Scan# 2014

Delta R.T. 0.189 min

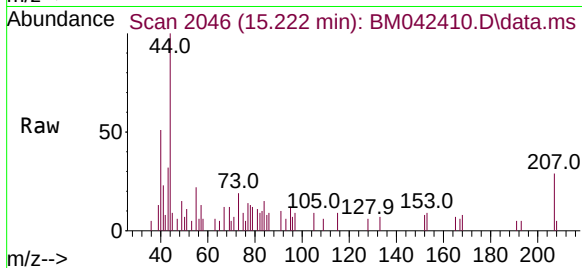
Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:165 Resp: 191

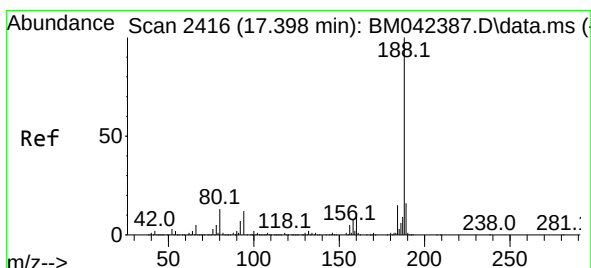
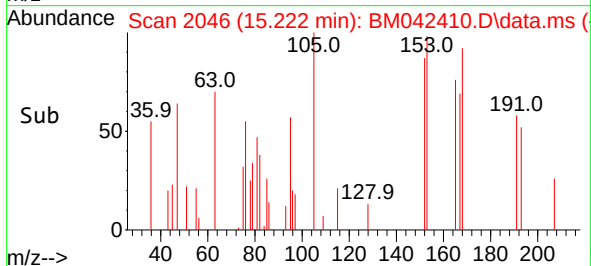
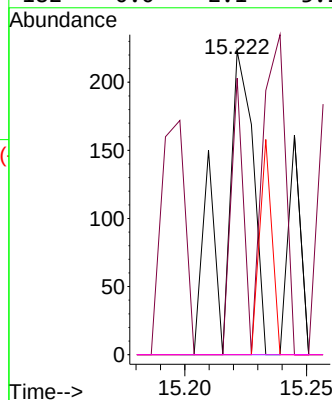
Ion Ratio Lower Upper

165 100

63 91.0 62.9 94.3

89 0.0 80.2 120.2#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.392 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

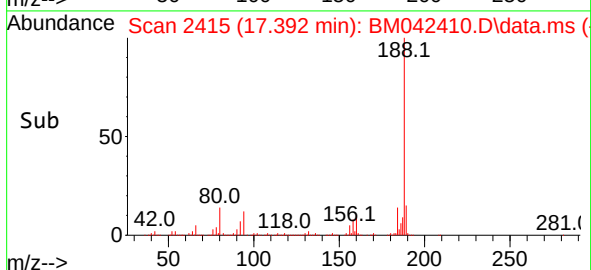
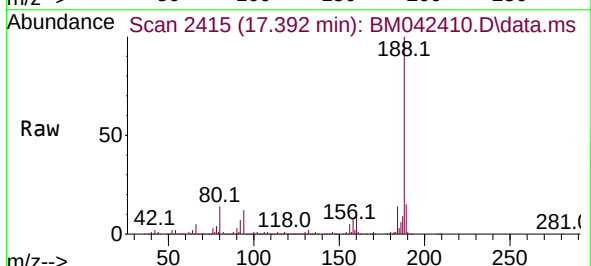
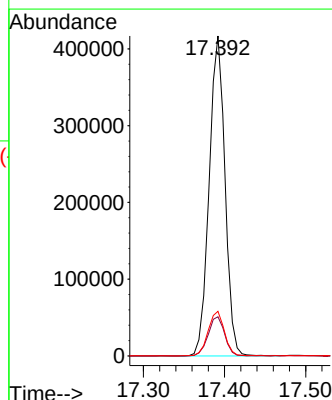
Tgt Ion:188 Resp: 566236

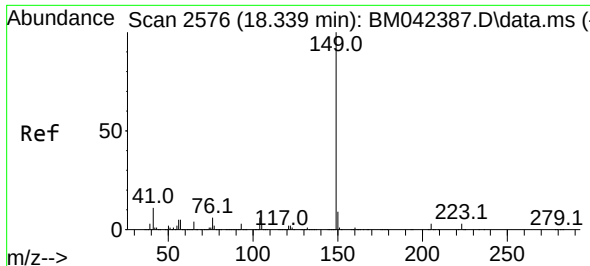
Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.0

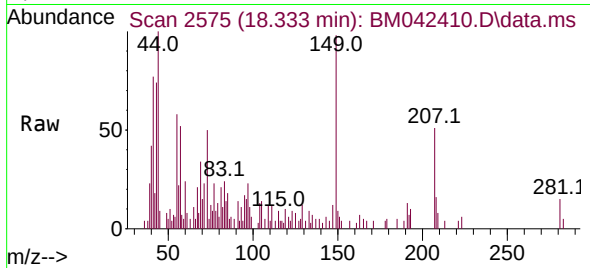
80 13.9 10.7 16.1



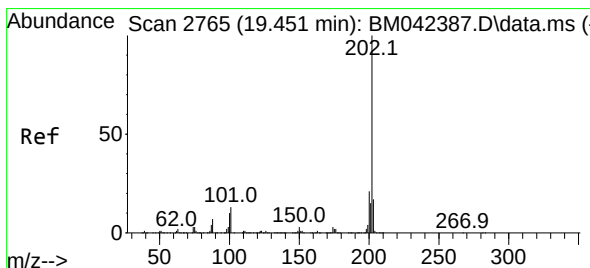
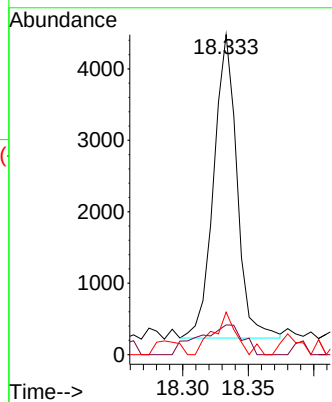
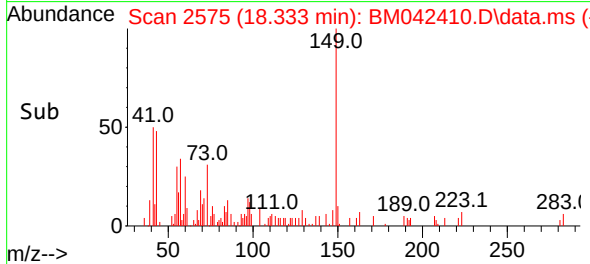


#74
Di-n-butylphthalate
Concen: 2.954 ng
RT: 18.333 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

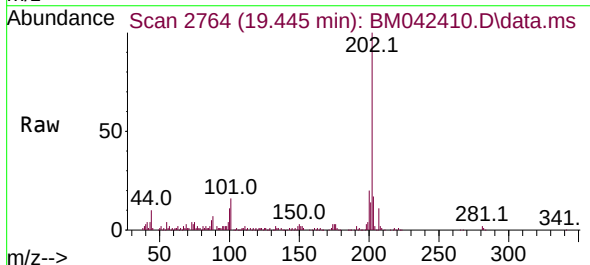
Instrument :
BNA_M
ClientSampleId :



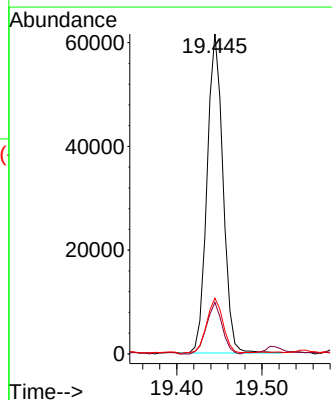
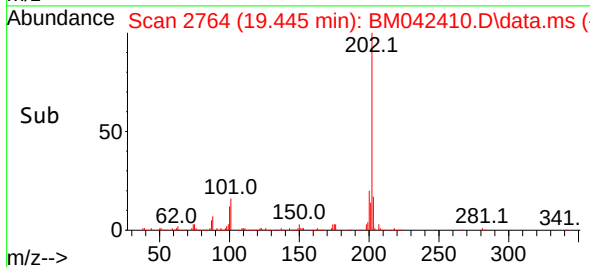
Tgt Ion:149 Resp: 5253
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 13.3 4.6 7.0#

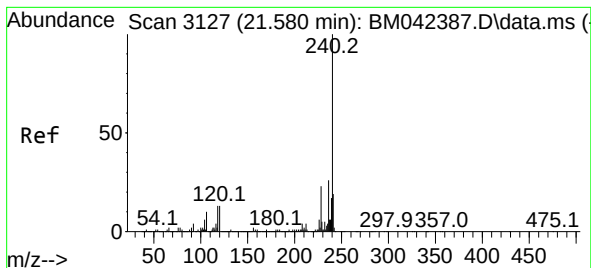


#75
Fluoranthene
Concen: 2.352 ng
RT: 19.445 min Scan# 2764
Delta R.T. -0.006 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59



Tgt Ion:202 Resp: 79799
Ion Ratio Lower Upper
202 100
101 16.1 0.0 33.3
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

Instrument :

BNA_M

ClientSampleId :

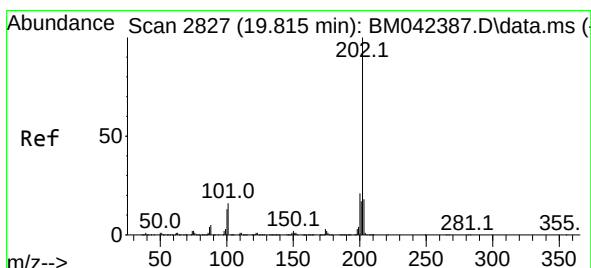
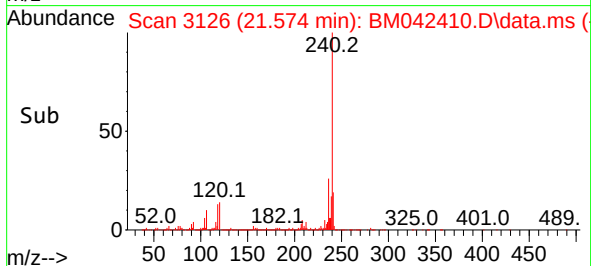
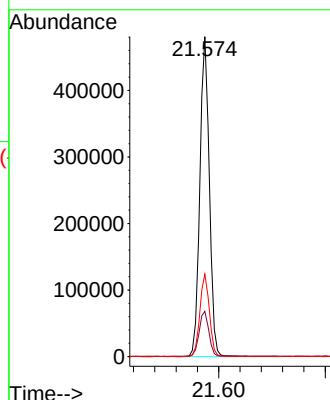
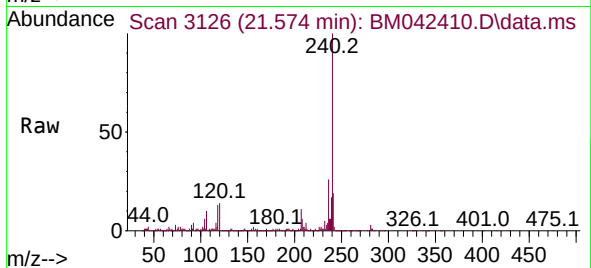
Tgt Ion:240 Resp: 591544

Ion Ratio Lower Upper

240 100

120 14.1 10.7 16.1

236 25.8 20.7 31.1



#78

Pyrene

Concen: 2.200 ng

RT: 19.809 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

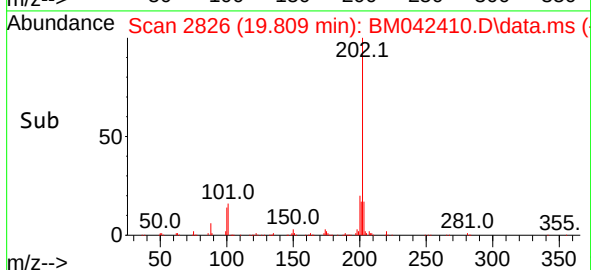
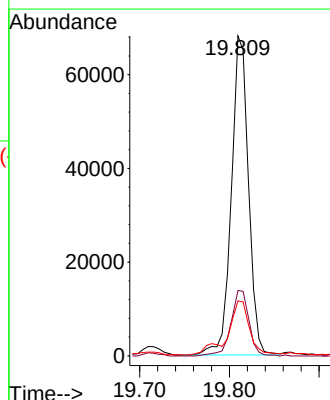
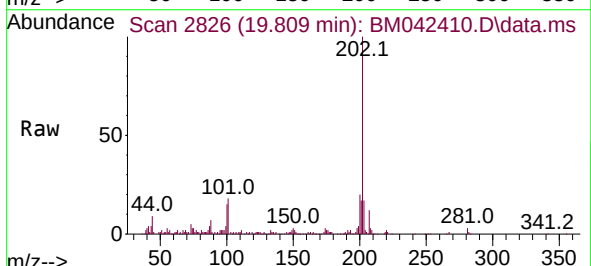
Tgt Ion:202 Resp: 90956

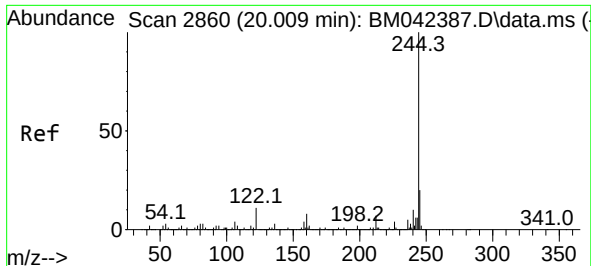
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

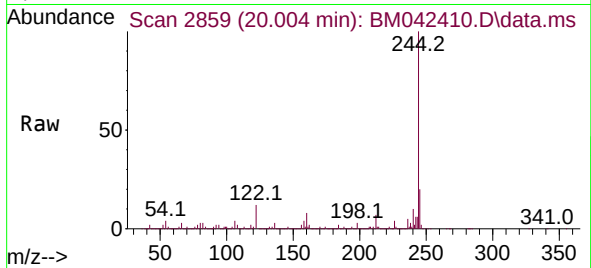
203 17.2 14.1 21.1



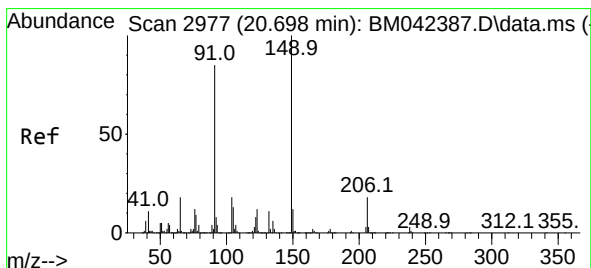
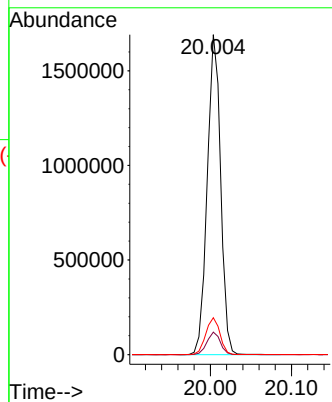
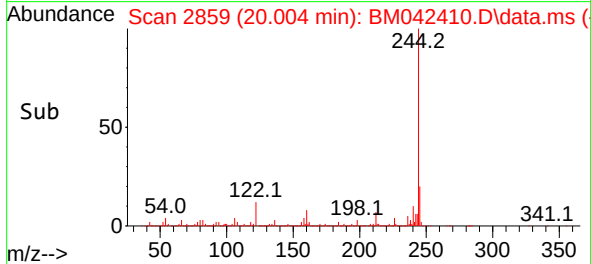


#79
 Terphenyl-d14
 Concen: 58.111 ng
 RT: 20.004 min Scan# 2860
 Delta R.T. -0.005 min
 Lab File: BM042410.D
 Acq: 23 Oct 2023 19:59

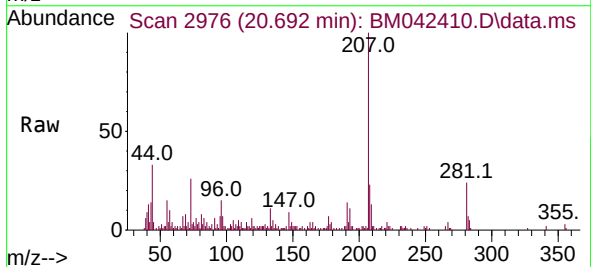
Instrument :
 BNA_M
 ClientSampleId :



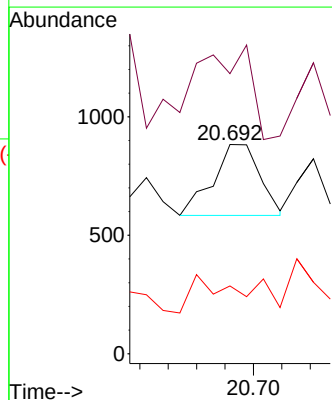
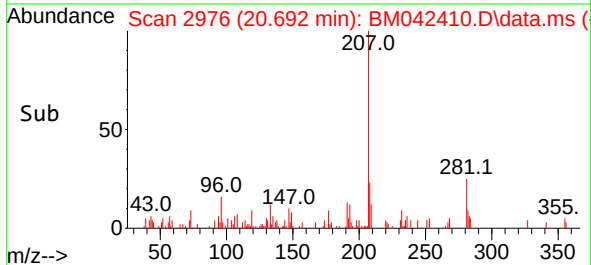
Tgt Ion:244 Resp: 1938281
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.5 8.8 13.2

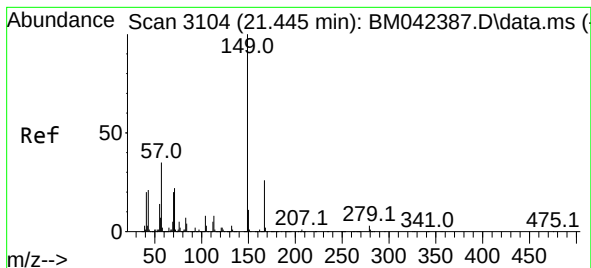


#80
 Butylbenzylphthalate
 Concen: 3.275 ng
 RT: 20.692 min Scan# 2976
 Delta R.T. -0.006 min
 Lab File: BM042410.D
 Acq: 23 Oct 2023 19:59



Tgt Ion:149 Resp: 343
 Ion Ratio Lower Upper
 149 100
 91 133.9 68.3 102.5#
 206 32.4 14.6 22.0#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.620 ng

RT: 21.439 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

Instrument :

BNA_M

ClientSampleId :

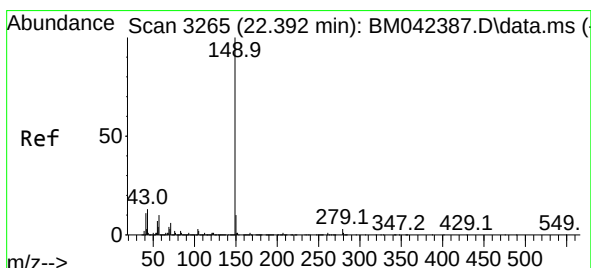
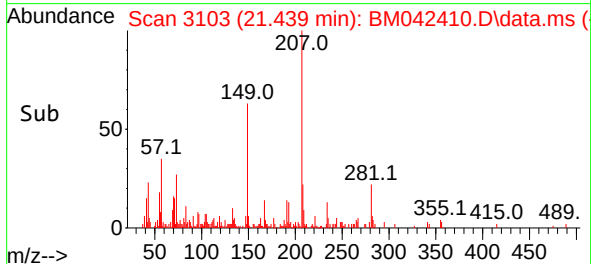
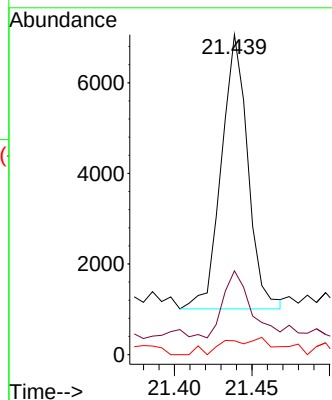
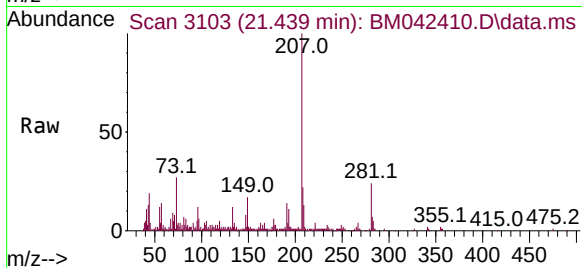
Tgt Ion:149 Resp: 7203

Ion Ratio Lower Upper

149 100

167 26.2 20.9 31.3

279 4.3 2.7 4.1#



#85

Di-n-octyl phthalate

Concen: 4.253 ng

RT: 22.380 min Scan# 3263

Delta R.T. -0.012 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

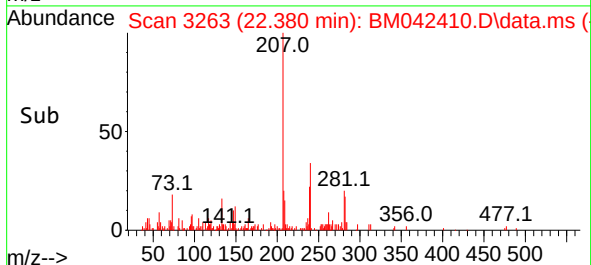
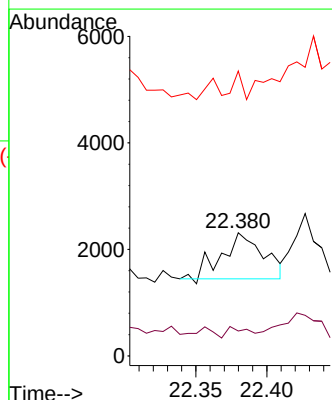
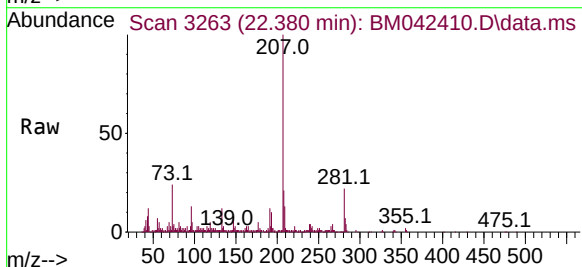
Tgt Ion:149 Resp: 1744

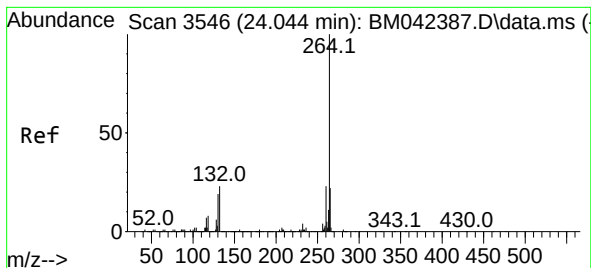
Ion Ratio Lower Upper

149 100

167 12.3 1.2 1.8#

43 0.0 11.0 16.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.039 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042410.D

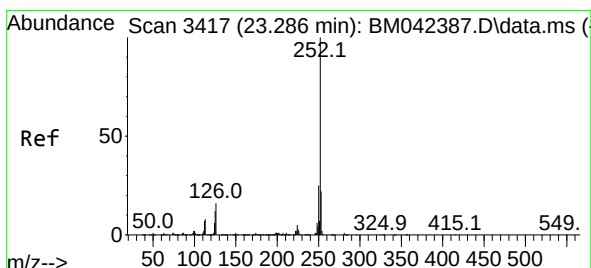
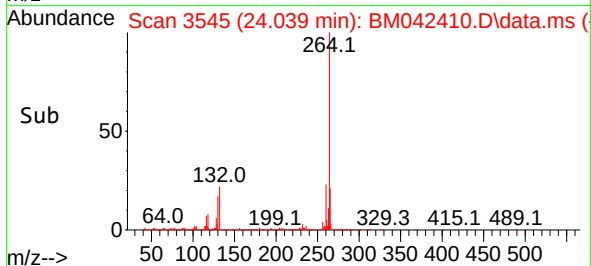
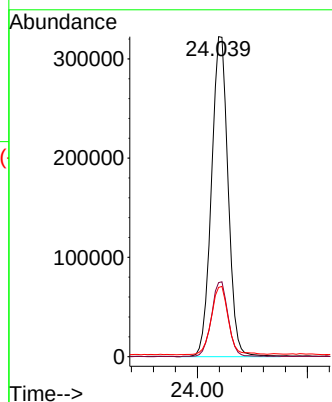
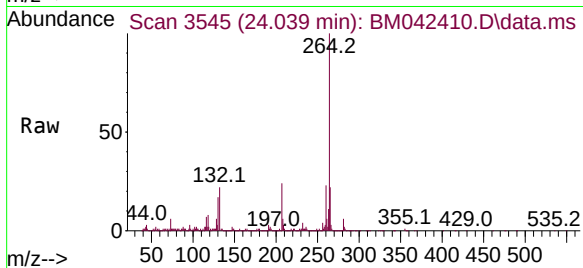
Acq: 23 Oct 2023 19:59

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:264	Resp: 676141
Ion Ratio	Lower Upper
264 100	
260 23.1	18.6 27.8
265 21.6	17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 3.420 ng

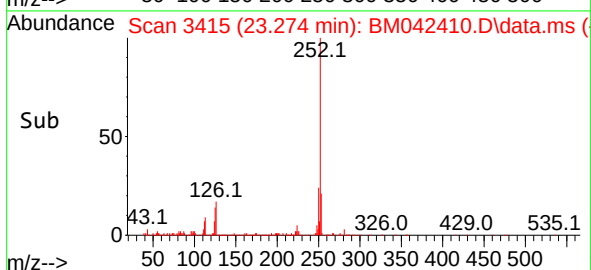
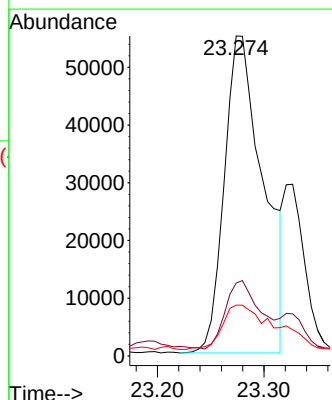
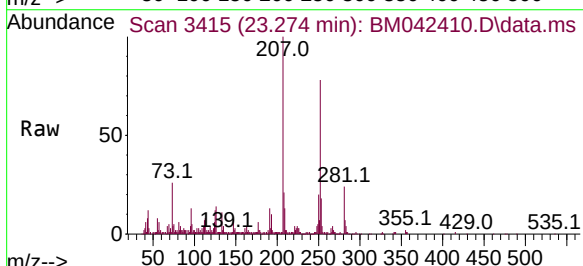
RT: 23.274 min Scan# 3415

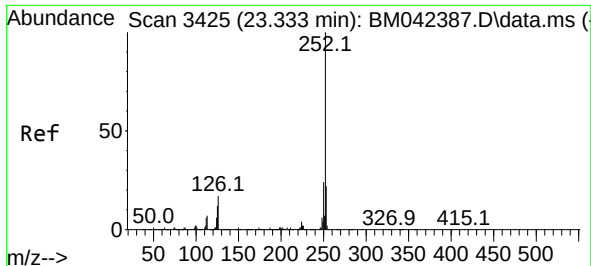
Delta R.T. -0.012 min

Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

Tgt Ion:252	Resp: 139206
Ion Ratio	Lower Upper
252 100	
253 22.8	18.0 27.0
125 15.9	9.8 14.8

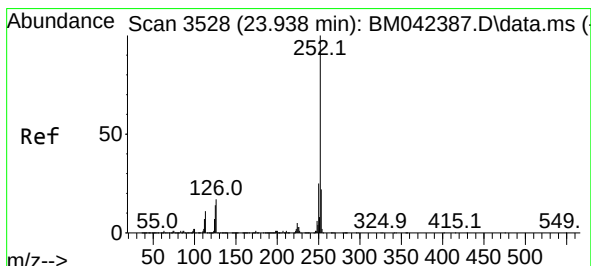
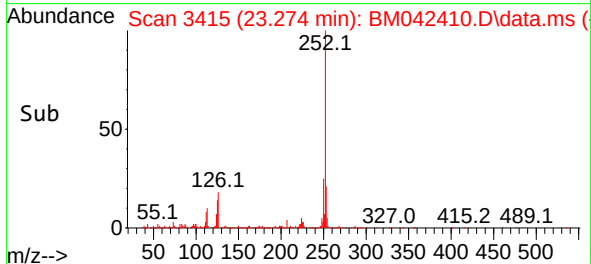
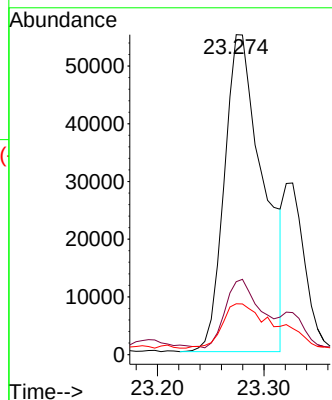
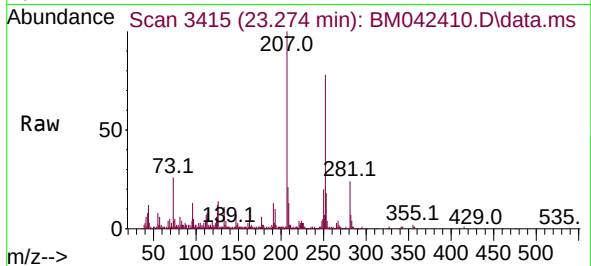




#89
Benzo(k)fluoranthene
Concen: 3.294 ng
RT: 23.274 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

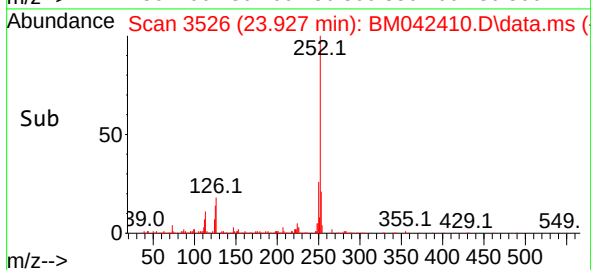
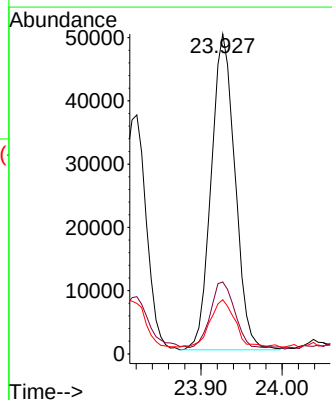
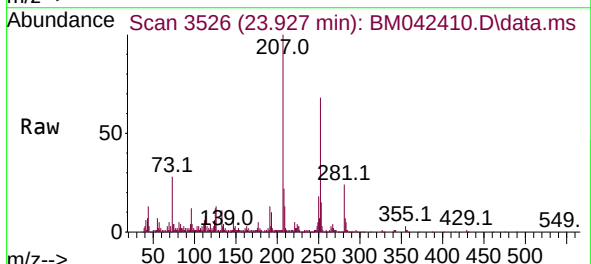
Instrument :
BNA_M
ClientSampleId :

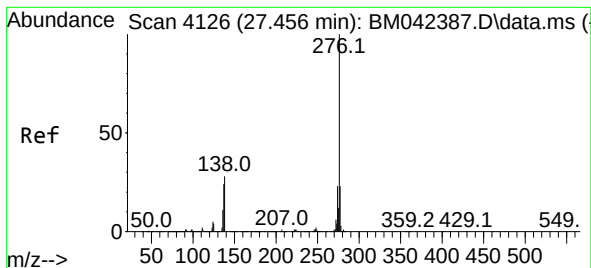
Tgt Ion:252 Resp: 139206
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 15.9 10.2 15.2#



#90
Benzo(a)pyrene
Concen: 2.599 ng
RT: 23.927 min Scan# 3526
Delta R.T. -0.012 min
Lab File: BM042410.D
Acq: 23 Oct 2023 19:59

Tgt Ion:252 Resp: 101801
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 16.9 10.9 16.3#





#92

Benzo(g,h,i)perylene

Concen: 2.368 ng

RT: 27.427 min Scan# 41

Delta R.T. -0.029 min

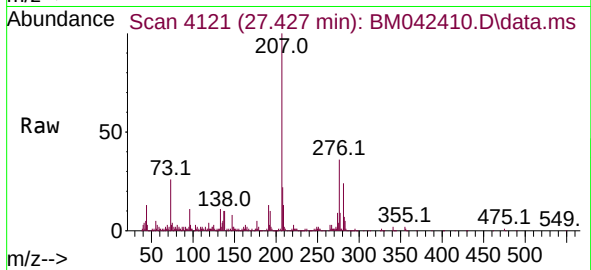
Lab File: BM042410.D

Acq: 23 Oct 2023 19:59

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 94473

Ion Ratio Lower Upper

276 100

277 25.1 18.3 27.5

138 27.6 22.6 34.0

