

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110323\
 Data File : BM042576.D
 Acq On : 03 Nov 2023 18:35
 Operator : MA/JU
 Sample : 05170-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-103123

Quant Time: Nov 03 19:17:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

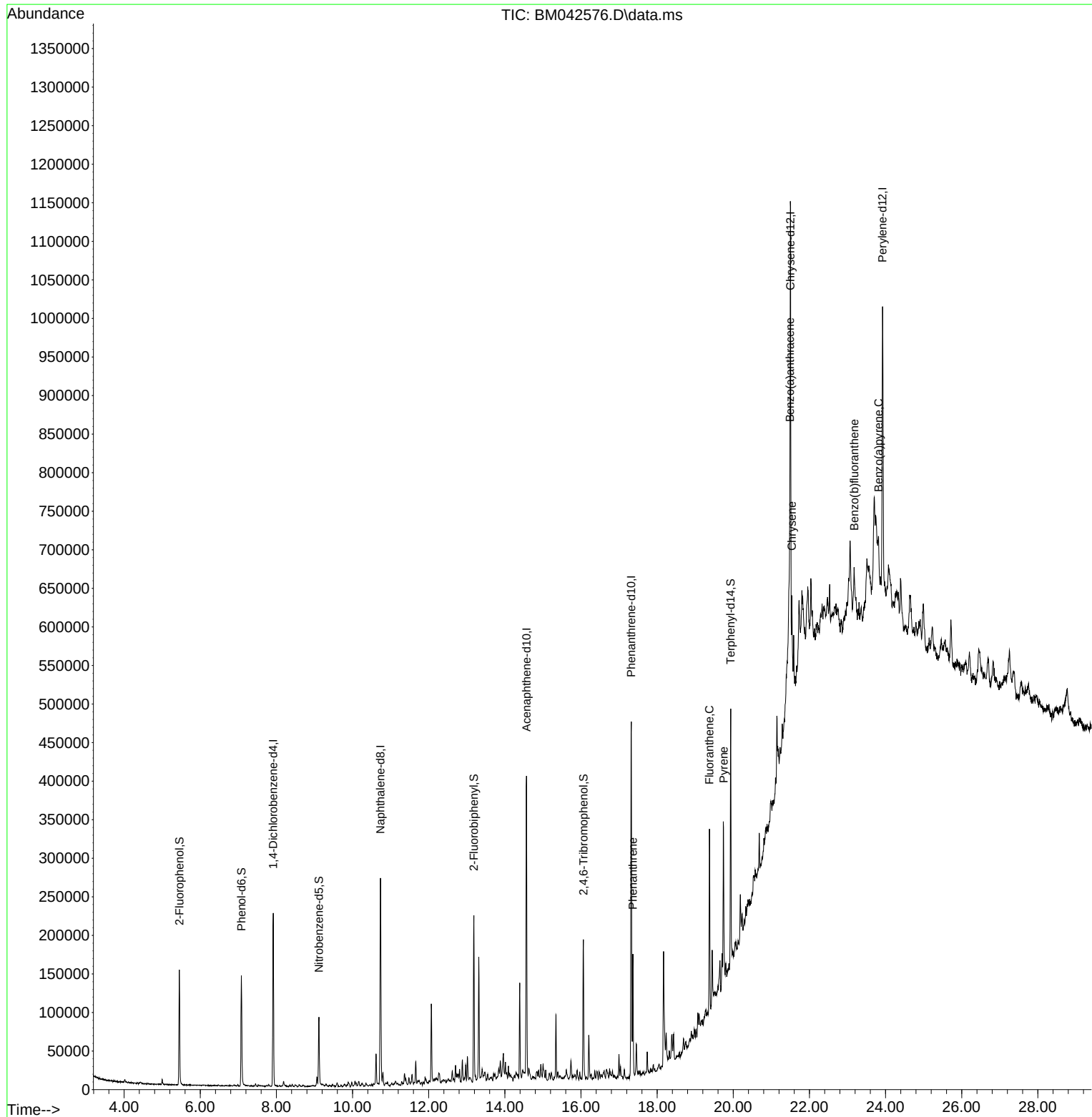
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	52389	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	195761	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	120692	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	261875	20.000	ng	# 0.00
76) Chrysene-d12	21.503	240	257144	20.000	ng	0.00
86) Perylene-d12	23.921	264	283560	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	56747	17.481	ng	0.01
7) Phenol-d6	7.081	99	72158	16.208	ng	0.00
23) Nitrobenzene-d5	9.116	82	49915	11.886	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	29332	18.615	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	95009	10.593	ng	0.00
79) Terphenyl-d14	19.933	244	144141	9.505	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.363	178	83867	6.128	ng	99
75) Fluoranthene	19.374	202	130962	8.147	ng	97
78) Pyrene	19.745	202	122605	6.944	ng	98
81) Benzo(a)anthracene	21.486	228	57115	3.491	ng	# 92
83) Chrysene	21.539	228	47329	2.848	ng	# 92
88) Benzo(b)fluoranthene	23.180	252	55811	3.533	ng	# 84
90) Benzo(a)pyrene	23.815	252	41341	2.658	ng	# 83

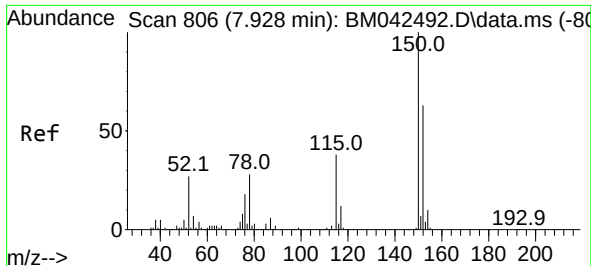
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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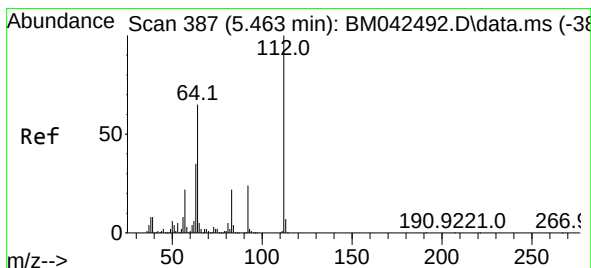
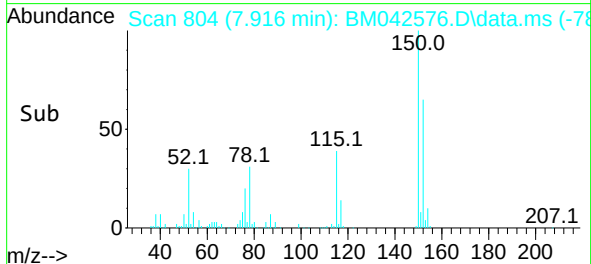
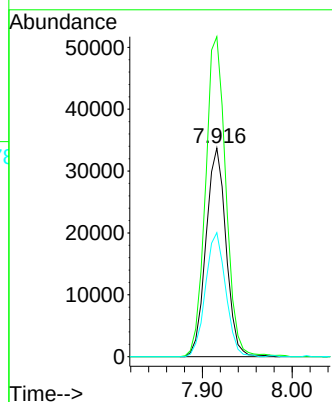
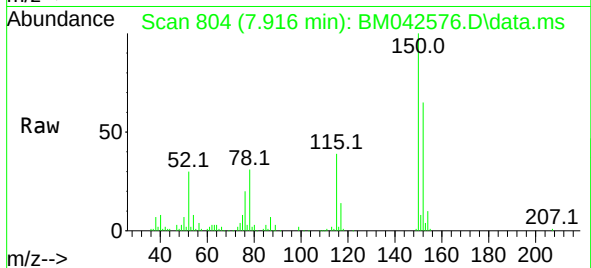




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 806
Delta R.T. 0.006 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

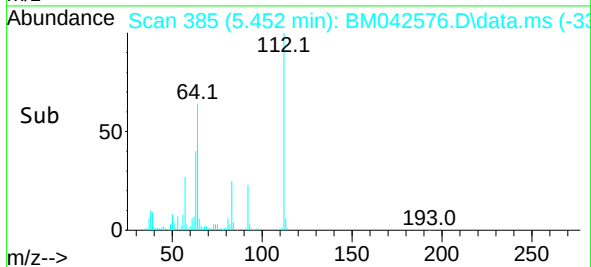
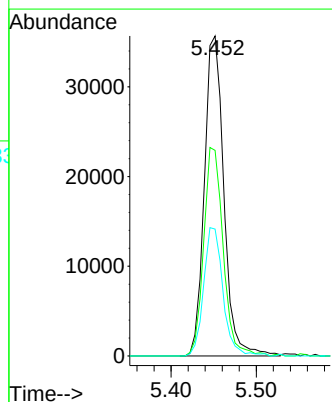
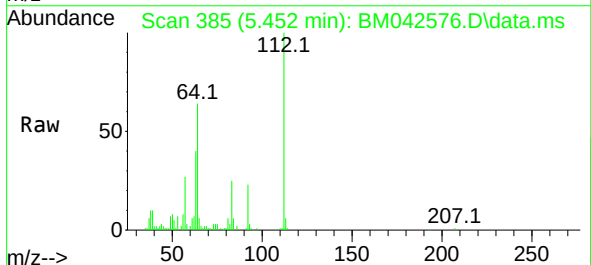
Instrument :
BNA_M
ClientSampleId :
OK-02-103123

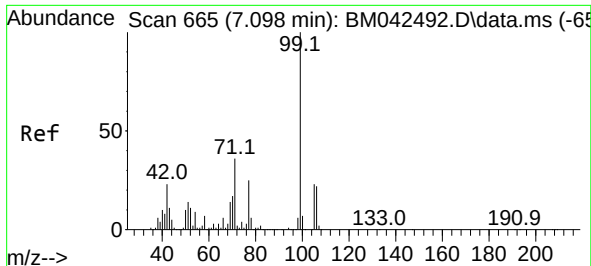
Tgt Ion:152 Resp: 52389
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 59.4 47.9 71.9



#5
2-Fluorophenol
Concen: 17.481 ng
RT: 5.452 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion:112 Resp: 56747
Ion Ratio Lower Upper
112 100
64 64.2 52.1 78.1
63 39.7 28.3 42.5

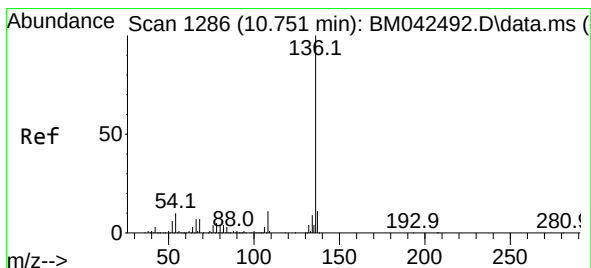
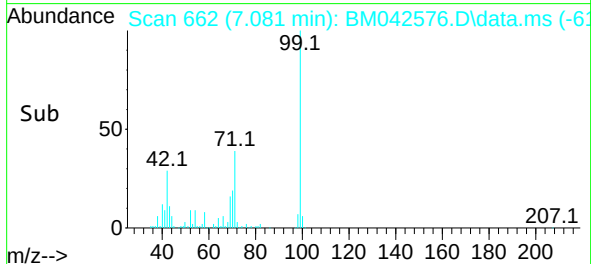
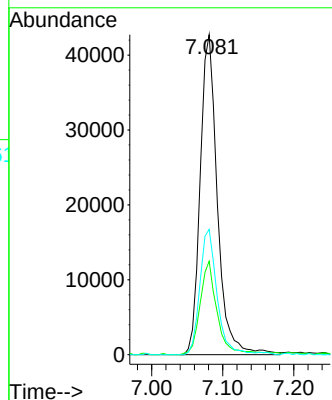
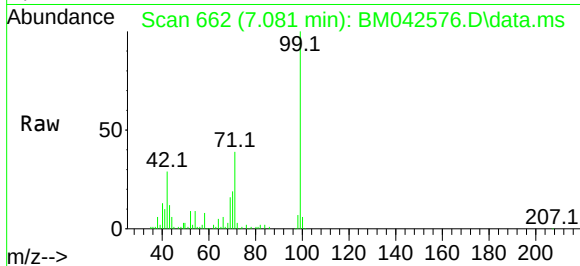




#7
Phenol-d6
Concen: 16.208 ng
RT: 7.081 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

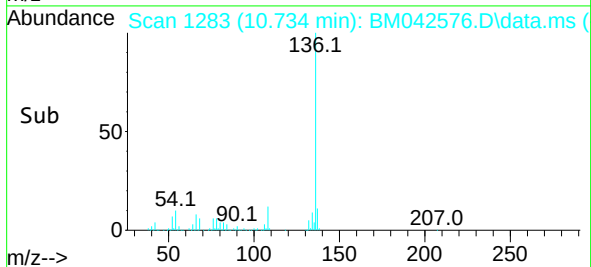
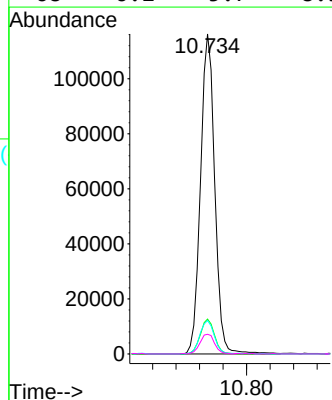
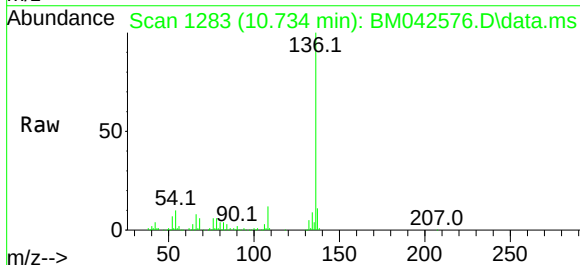
Instrument :
BNA_M
ClientSampleId :
OK-02-103123

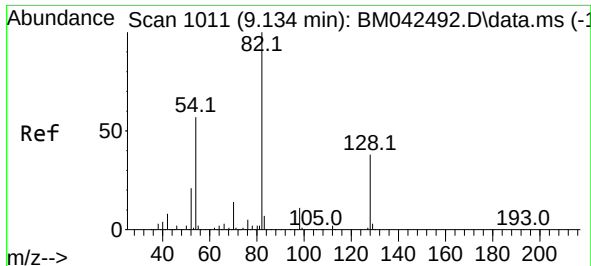
Tgt Ion: 99 Resp: 72158
Ion Ratio Lower Upper
99 100
42 29.2 18.7 28.1#
71 39.1 29.1 43.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion: 136 Resp: 195761
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.5 8.0 12.0
68 6.2 5.7 8.5

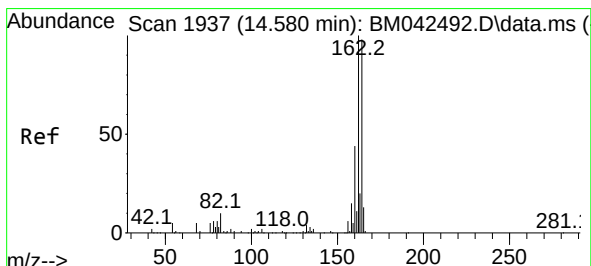
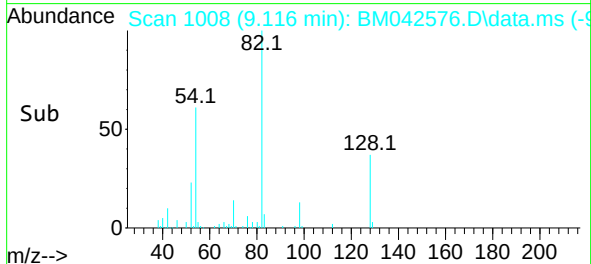
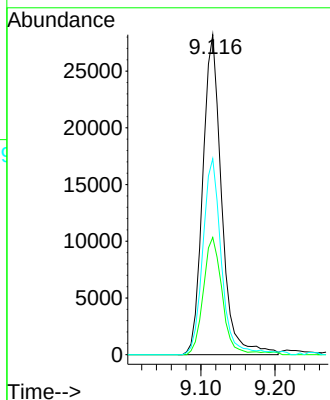
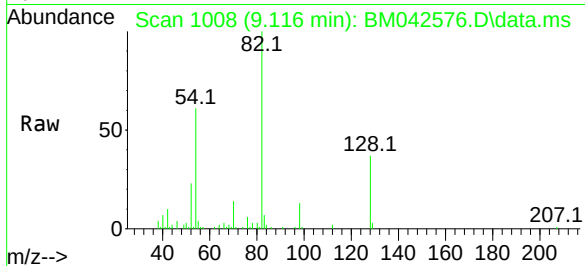




#23
Nitrobenzene-d5
Concen: 11.886 ng
RT: 9.116 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

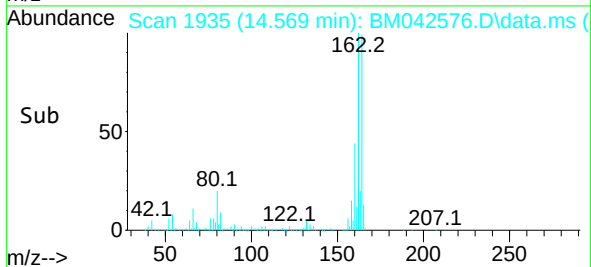
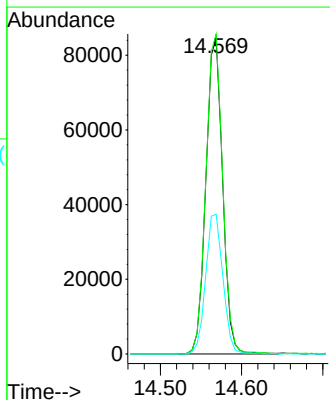
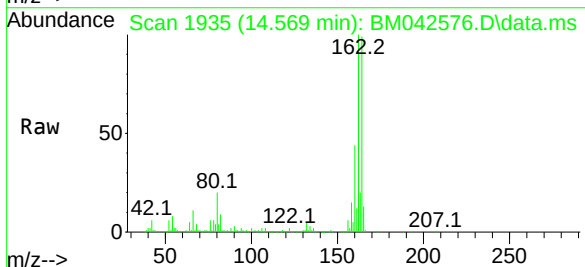
Instrument :
BNA_M
ClientSampleId :
OK-02-103123

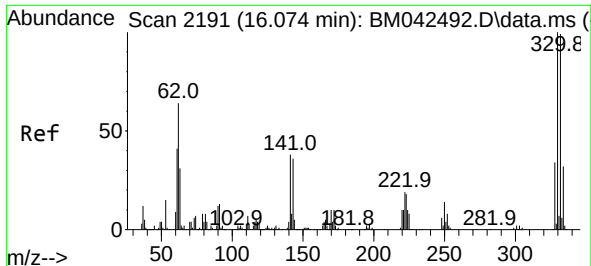
Tgt Ion: 82 Resp: 49915
Ion Ratio Lower Upper
82 100
128 36.7 30.7 46.1
54 61.2 45.3 67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion: 164 Resp: 120692
Ion Ratio Lower Upper
164 100
162 101.3 81.6 122.4
160 44.2 36.2 54.4

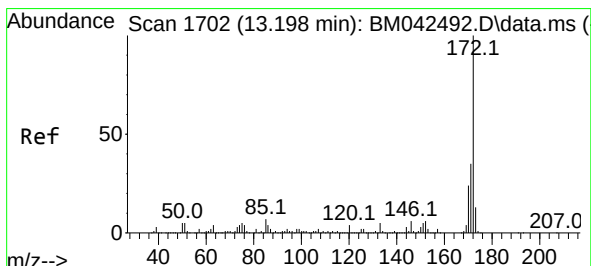
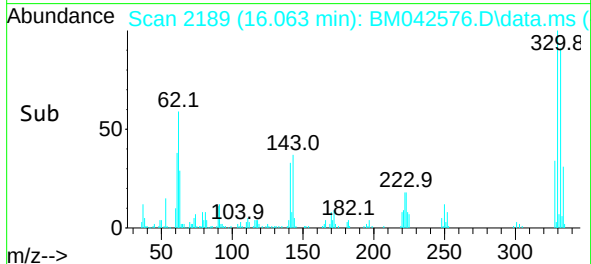
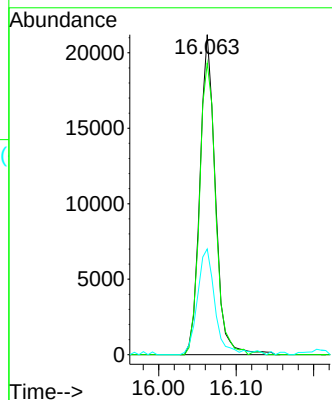
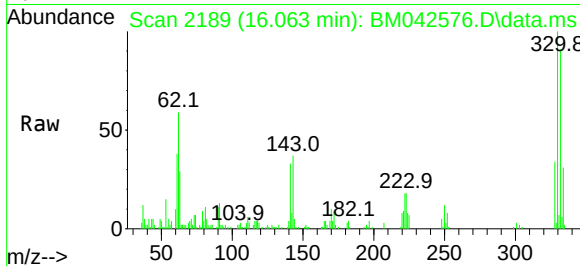




#42
2,4,6-Tribromophenol
Concen: 18.615 ng
RT: 16.063 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

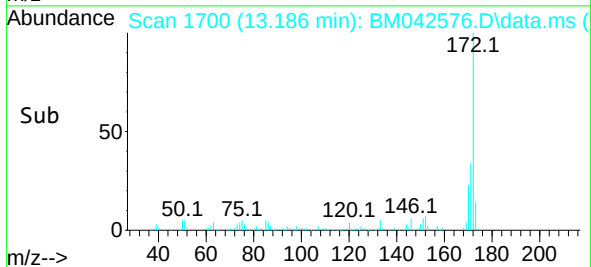
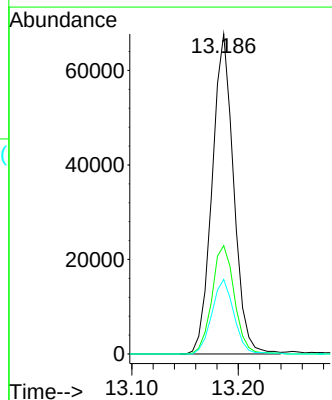
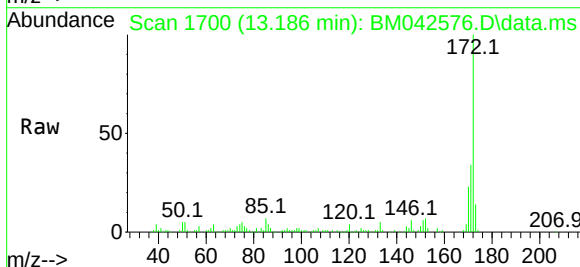
Instrument :
BNA_M
ClientSampleId :
OK-02-103123

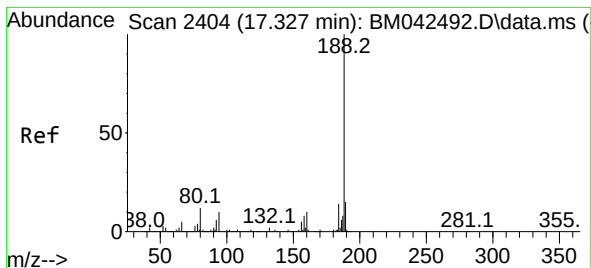
Tgt Ion:330 Resp: 29332
Ion Ratio Lower Upper
330 100
332 95.3 78.8 118.2
141 37.9 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 10.593 ng
RT: 13.186 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion:172 Resp: 95009
Ion Ratio Lower Upper
172 100
171 33.9 28.2 42.2
170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

Instrument :

BNA_M

ClientSampleId :

OK-02-103123

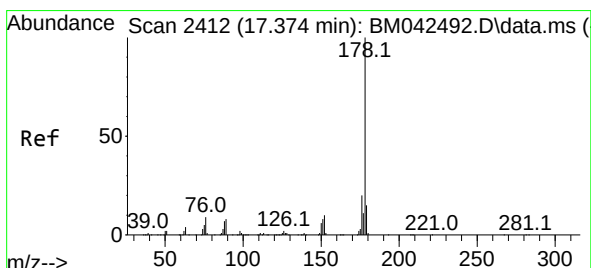
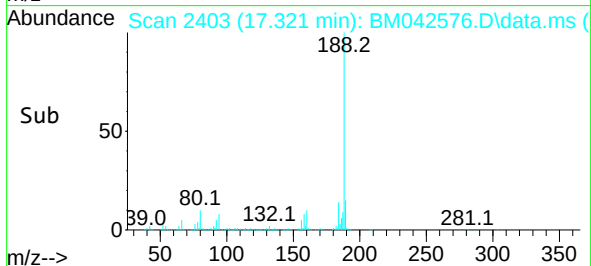
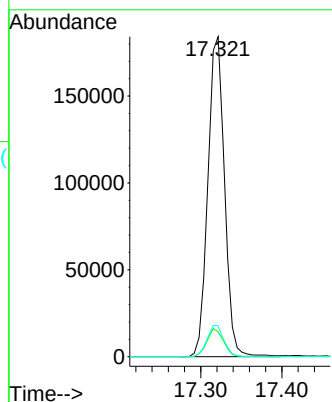
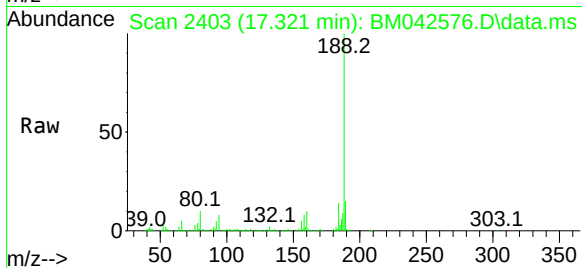
Tgt Ion:188 Resp: 261875

Ion Ratio Lower Upper

188 100

94 7.7 8.2 12.4#

80 9.7 9.4 14.2



#71

Phenanthrene

Concen: 6.128 ng

RT: 17.363 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

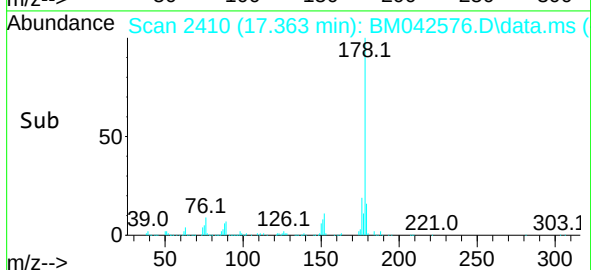
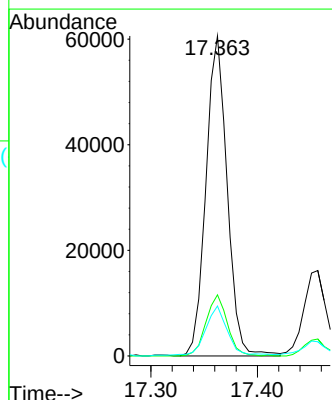
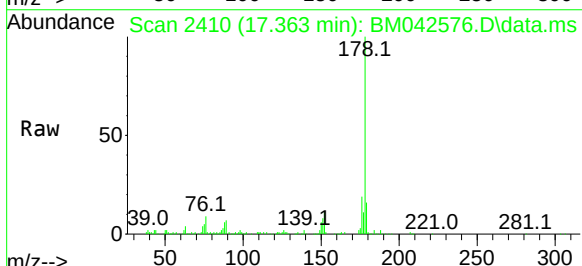
Tgt Ion:178 Resp: 83867

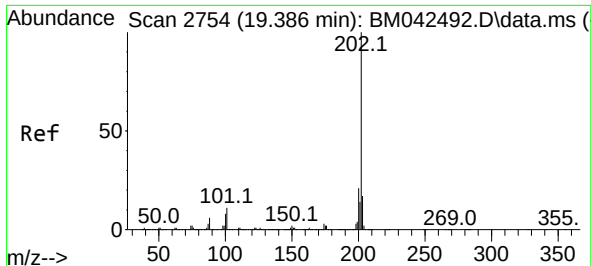
Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 15.6 12.2 18.4

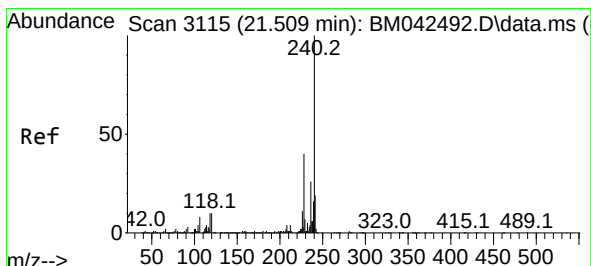
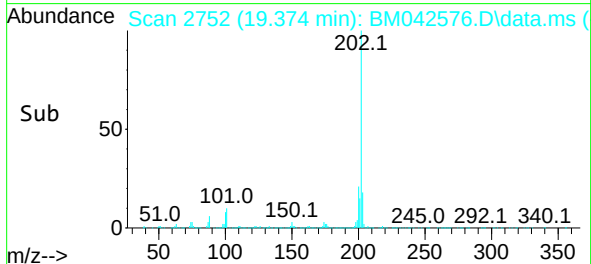
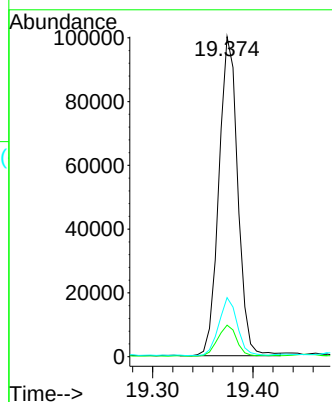
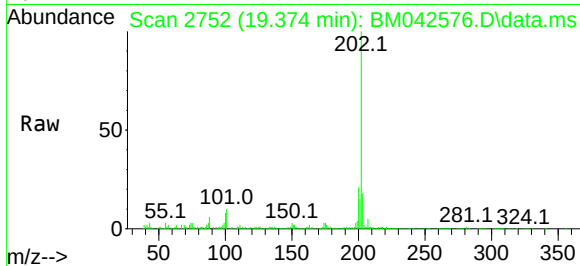




#75
Fluoranthene
Concen: 8.147 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

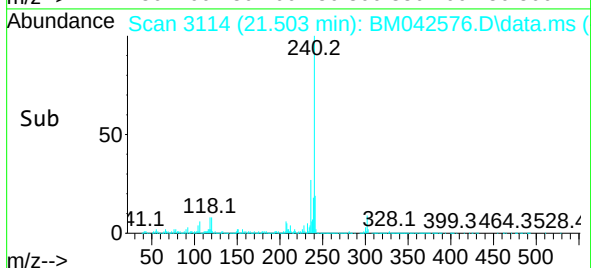
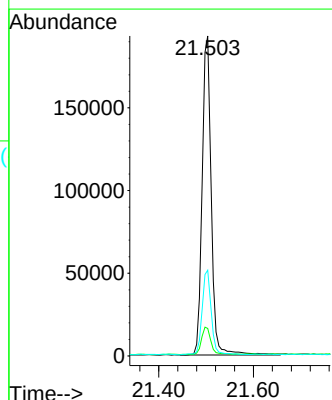
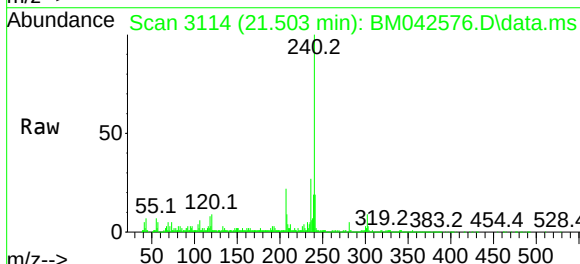
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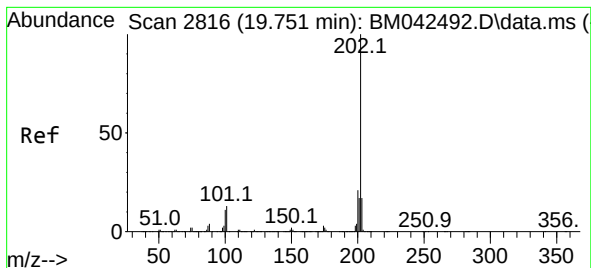
Tgt Ion:202 Resp: 130962
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.5
203 18.5 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.503 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion:240 Resp: 257144
Ion Ratio Lower Upper
240 100
120 8.6 8.3 12.5
236 26.8 20.8 31.2





#78

Pyrene

Concen: 6.944 ng

RT: 19.745 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

Instrument :

BNA_M

ClientSampleId :

OK-02-103123

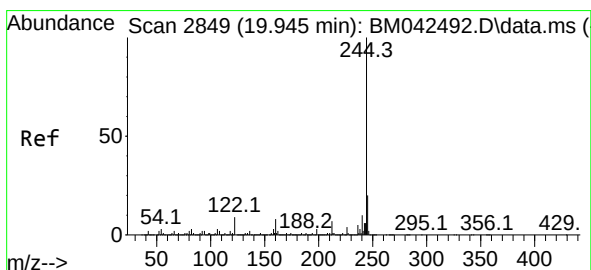
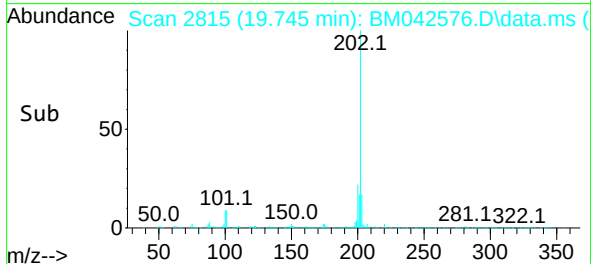
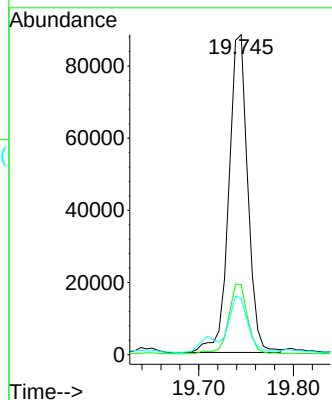
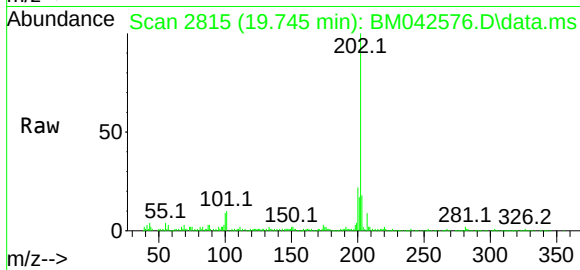
Tgt Ion:202 Resp: 122605

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

203 17.7 13.7 20.5



#79

Terphenyl-d14

Concen: 9.505 ng

RT: 19.933 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

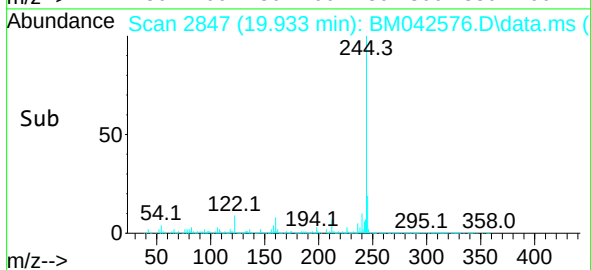
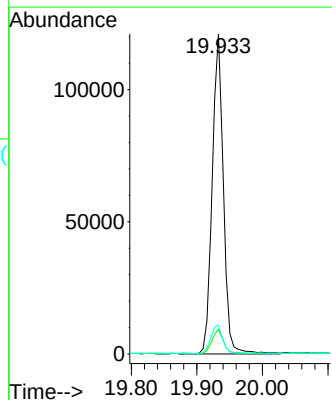
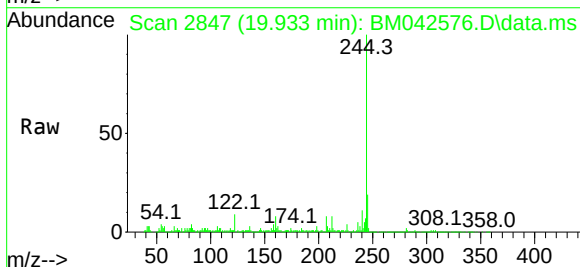
Tgt Ion:244 Resp: 144141

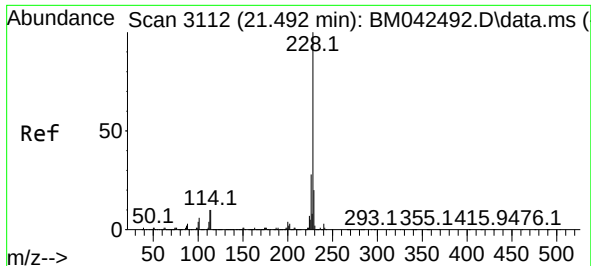
Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.2

122 9.0 7.2 10.8

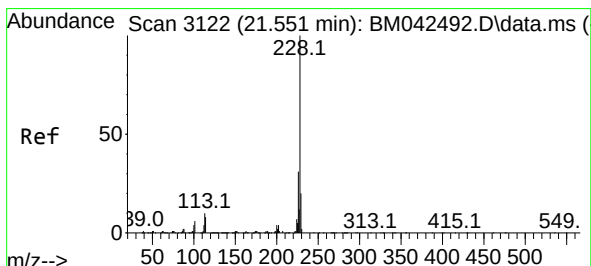
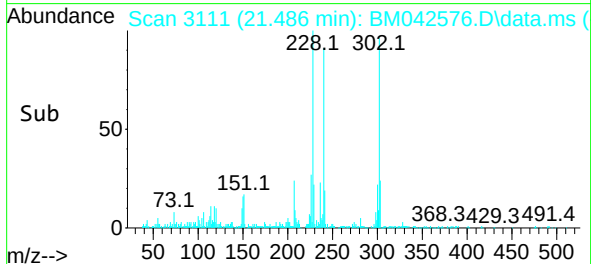
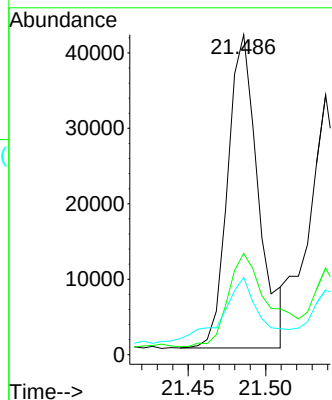
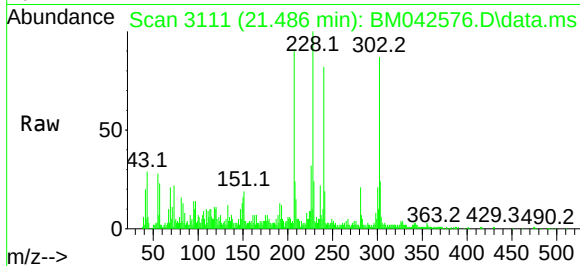




#81
Benzo(a)anthracene
Concen: 3.491 ng
RT: 21.486 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

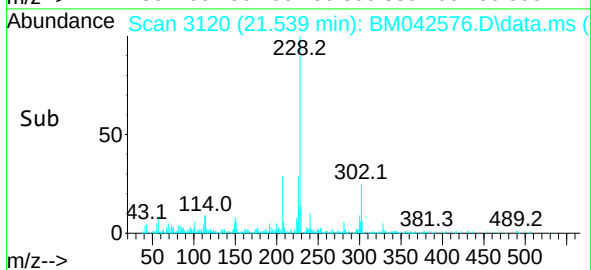
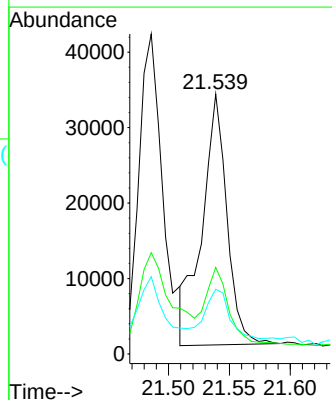
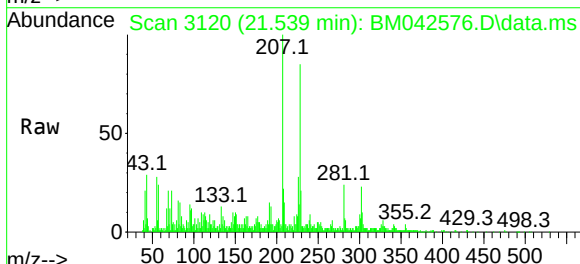
Instrument :
BNA_M
ClientSampleId :
OK-02-103123

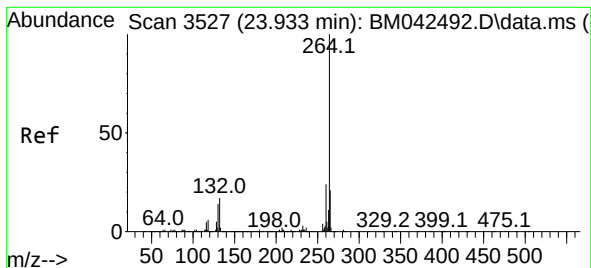
Tgt Ion:228 Resp: 57115
Ion Ratio Lower Upper
228 100
226 31.6 22.3 33.5
229 24.2 15.8 23.8#



#83
Chrysene
Concen: 2.848 ng
RT: 21.539 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM042576.D
Acq: 03 Nov 2023 18:35

Tgt Ion:228 Resp: 47329
Ion Ratio Lower Upper
228 100
226 33.3 24.4 36.6
229 24.9 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.921 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

Instrument :

BNA_M

ClientSampleId :

OK-02-103123

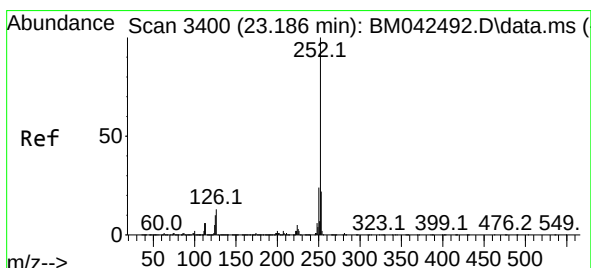
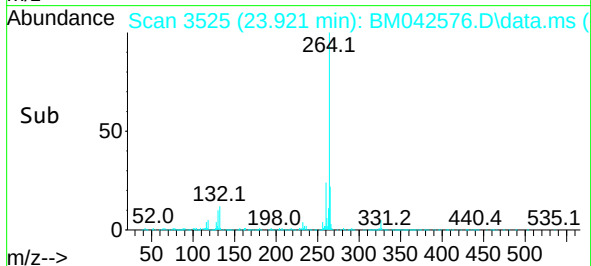
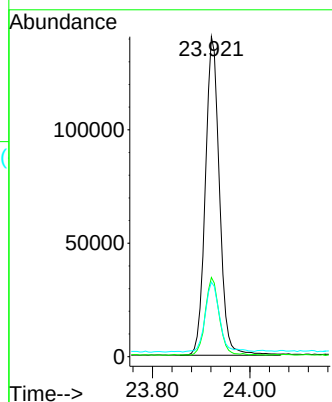
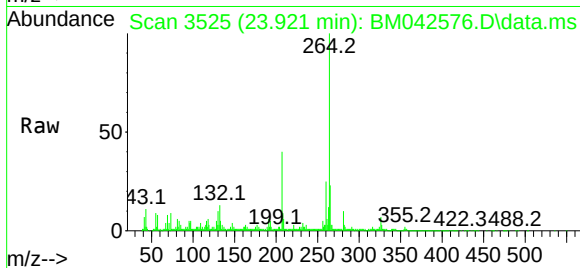
Tgt Ion:264 Resp: 283560

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.4

265 23.3 18.7 28.1



#88

Benzo(b)fluoranthene

Concen: 3.533 ng

RT: 23.180 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM042576.D

Acq: 03 Nov 2023 18:35

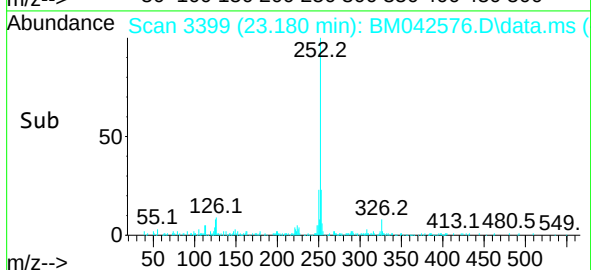
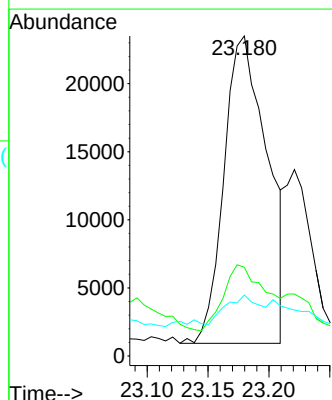
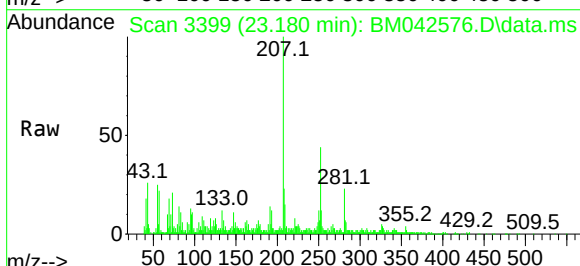
Tgt Ion:252 Resp: 55811

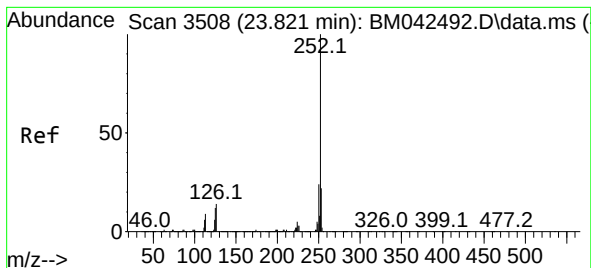
Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

125 19.1 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.658 ng

RT: 23.815 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM042576.D

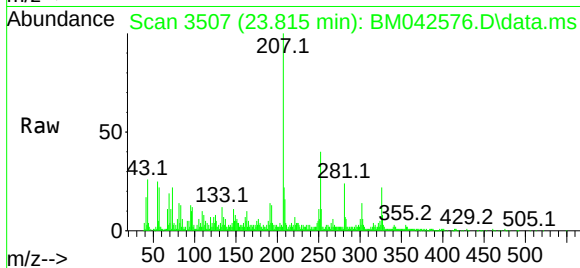
Acq: 03 Nov 2023 18:35

Instrument :

BNA_M

ClientSampleId :

OK-02-103123



Tgt Ion:252 Resp: 41341

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3#

125 20.5 9.4 14.2#

