

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
 Data File : BM039387.D
 Acq On : 10 Apr 2023 21:08
 Operator : CG/JU
 Sample : 02230-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-01-040623

Quant Time: Apr 11 02:15:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 11 02:05:37 2023
 Response via : Initial Calibration

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

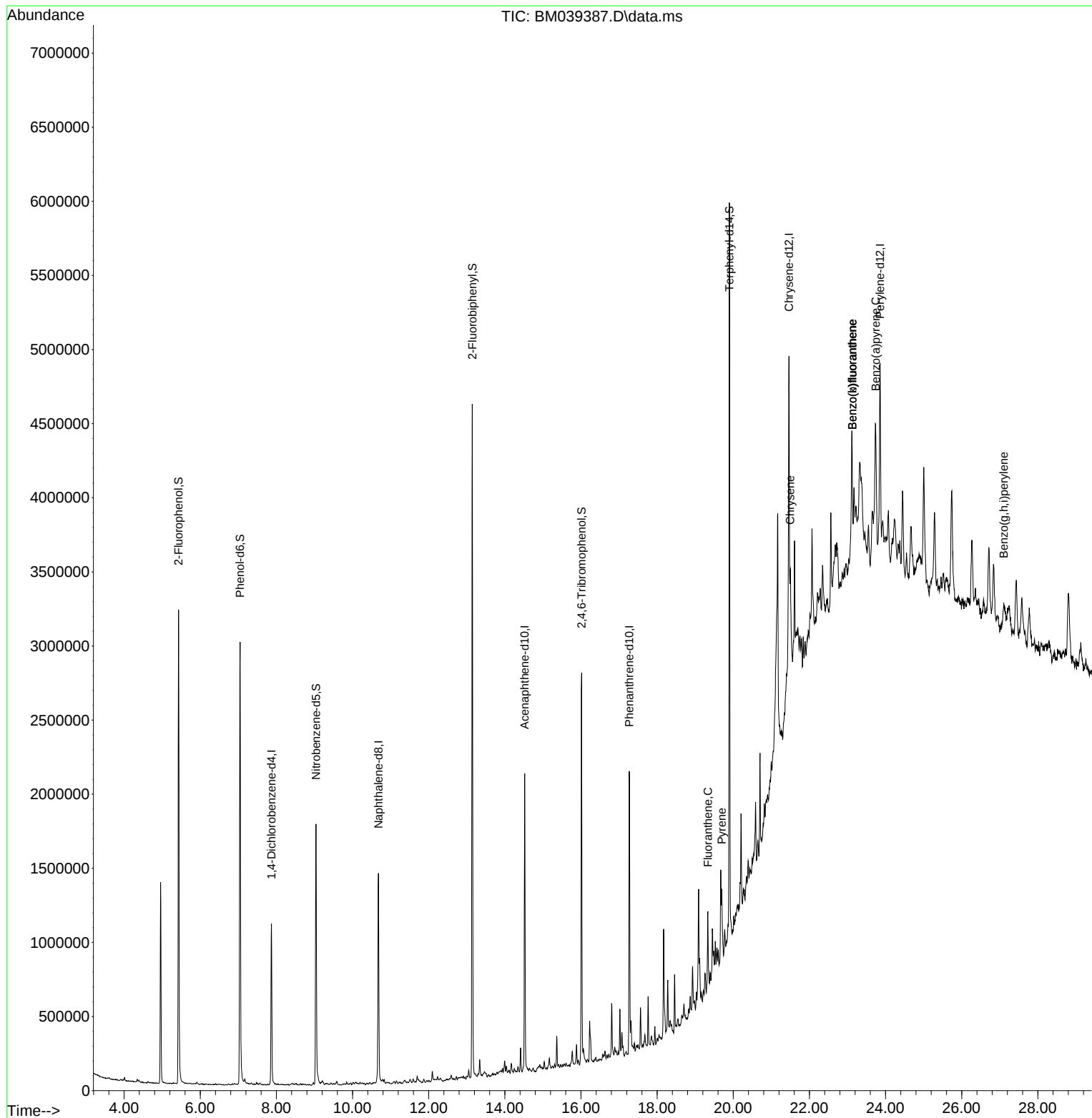
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	304409	20.000	ng	0.00
21) Naphthalene-d8	10.681	136	1217783	20.000	ng	0.00
39) Acenaphthene-d10	14.522	164	669827	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	1171945	20.000	ng	0.00
76) Chrysene-d12	21.462	240	943433	20.000	ng	0.00
86) Perylene-d12	23.856	264	1027580	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1469760	72.742	ng	0.00
7) Phenol-d6	7.046	99	1901106	72.746	ng	0.00
23) Nitrobenzene-d5	9.040	82	1095976	43.741	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	487638	57.350	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	2350809	47.552	ng	0.00
79) Terphenyl-d14	19.898	244	2419565	47.383	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.333	202	279969	3.826	ng	99
78) Pyrene	19.698	202	264064	3.932	ng	98
83) Chrysene	21.498	228	177488	2.763	ng	# 88
88) Benzo(b)fluoranthene	23.127	252	206082	3.278	ng	# 50
89) Benzo(k)fluoranthene	23.127	252	206082	3.218	ng	# 50
90) Benzo(a)pyrene	23.745	252	134295	2.174	ng	# 57
92) Benzo(g,h,i)perylene	27.103	276	137190	2.194	ng	# 78

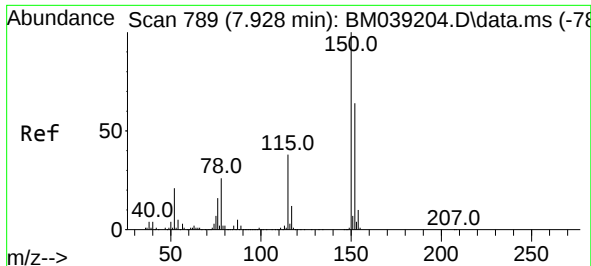
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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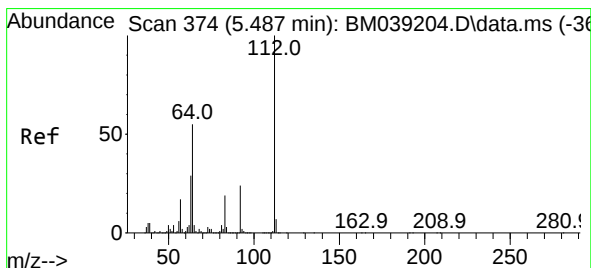
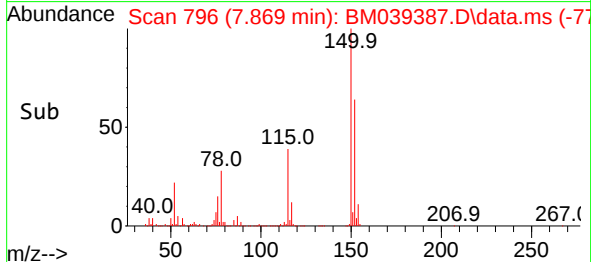
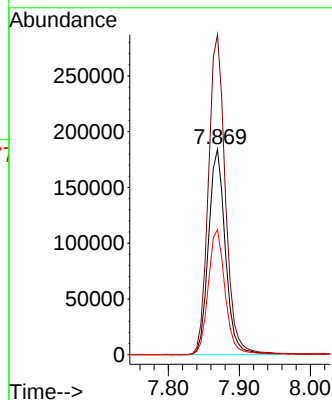
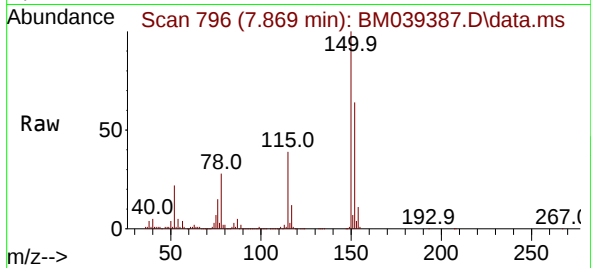




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

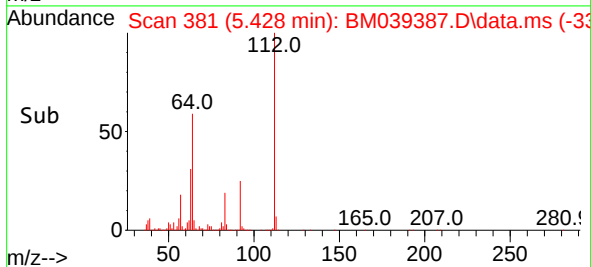
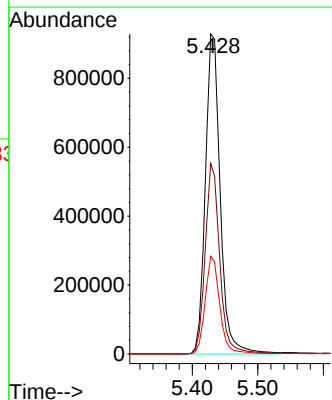
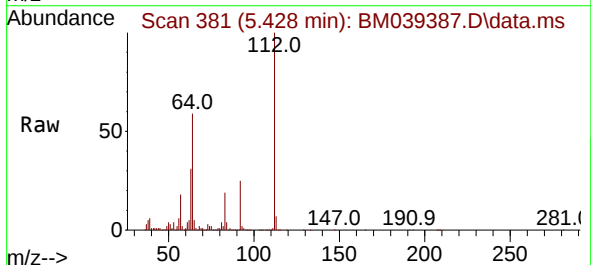
Instrument :
BNA_M
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OK-01-040623

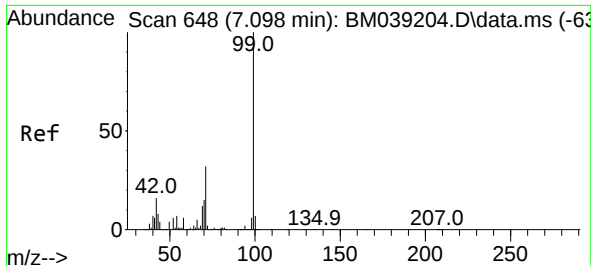
Tgt Ion:152 Resp: 304409
Ion Ratio Lower Upper
152 100
150 155.7 125.5 188.3
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 72.742 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion:112 Resp: 1469760
Ion Ratio Lower Upper
112 100
64 59.5 44.3 66.5
63 30.6 23.0 34.6

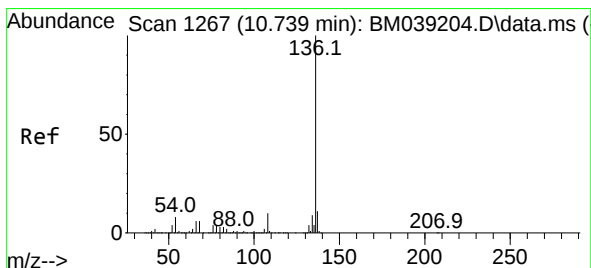
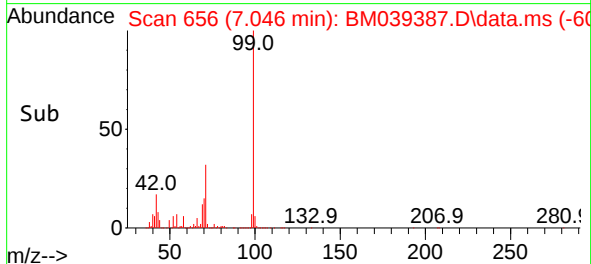
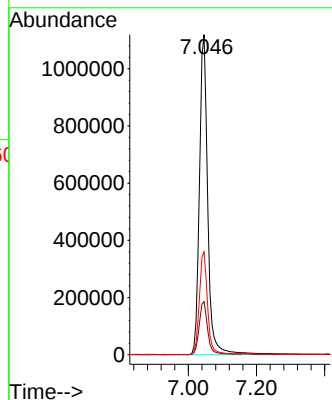
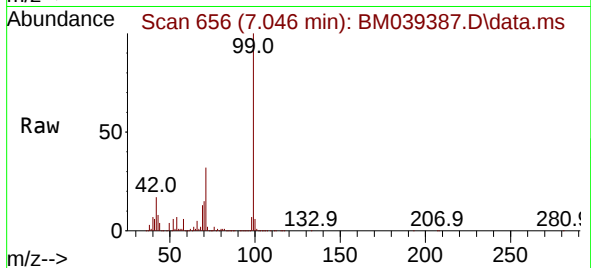




#7
Phenol-d6
Concen: 72.746 ng
RT: 7.046 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

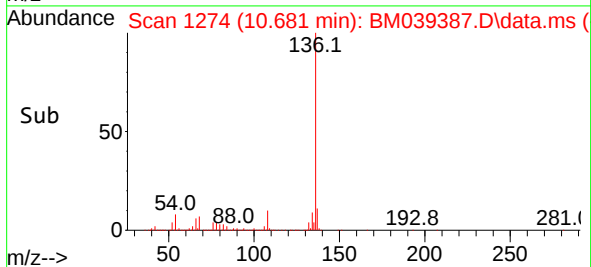
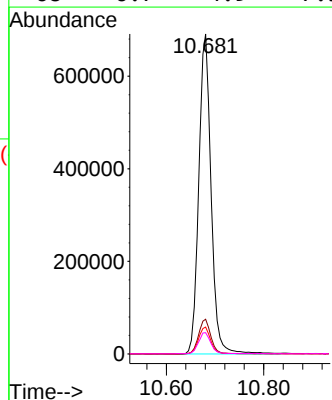
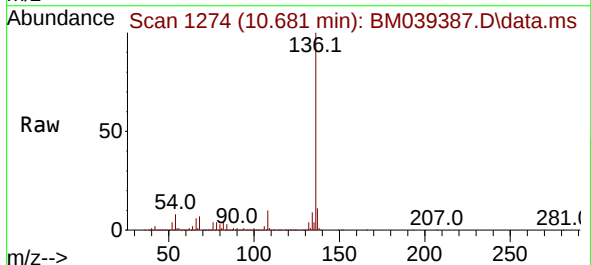
Instrument :
BNA_M
ClientSampleId :
OK-01-040623

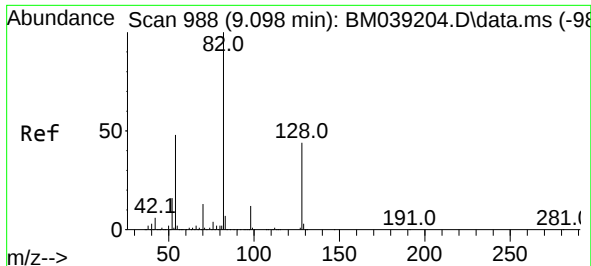
Tgt Ion: 99 Resp: 1901106
Ion Ratio Lower Upper
99 100
42 16.6 13.0 19.6
71 32.1 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion: 136 Resp: 1217783
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 6.2 9.4
68 6.7 4.9 7.3

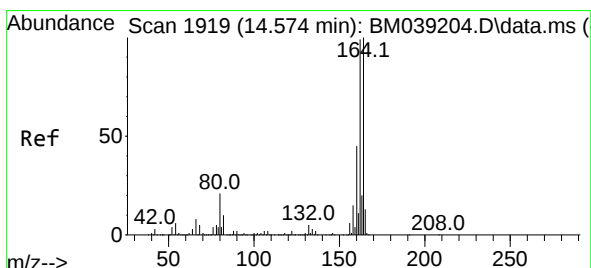
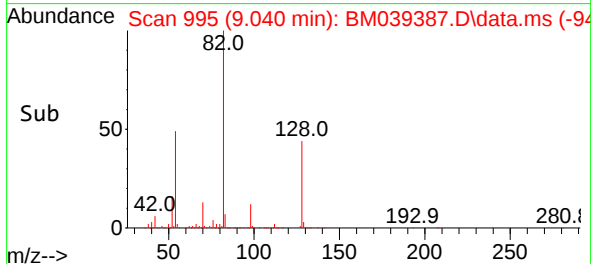
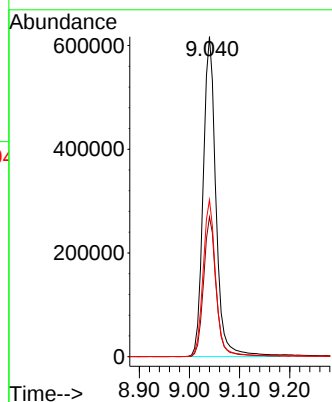
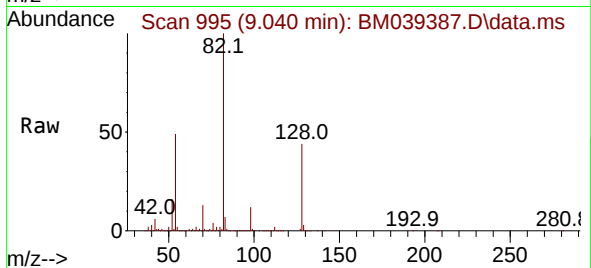




#23
Nitrobenzene-d5
Concen: 43.741 ng
RT: 9.040 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

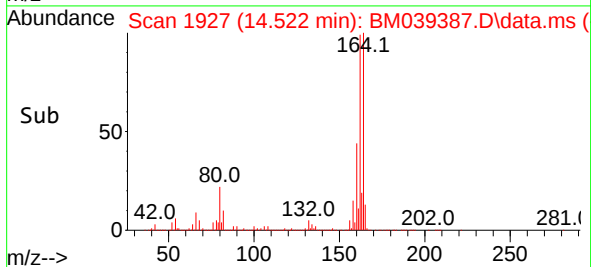
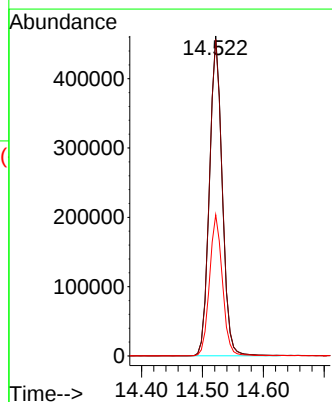
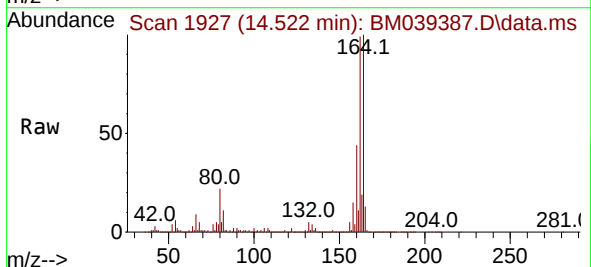
Instrument :
BNA_M
ClientSampleId :
OK-01-040623

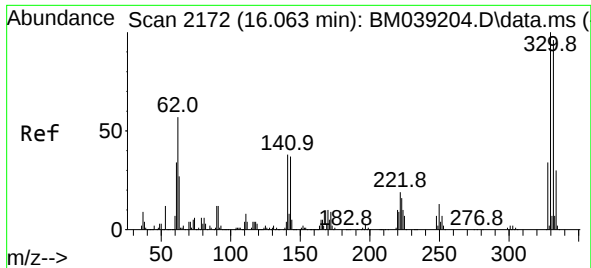
Tgt Ion: 82 Resp: 1095976
Ion Ratio Lower Upper
82 100
128 43.6 35.1 52.7
54 49.0 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion:164 Resp: 669827
Ion Ratio Lower Upper
164 100
162 98.9 79.1 118.7
160 44.1 35.8 53.8

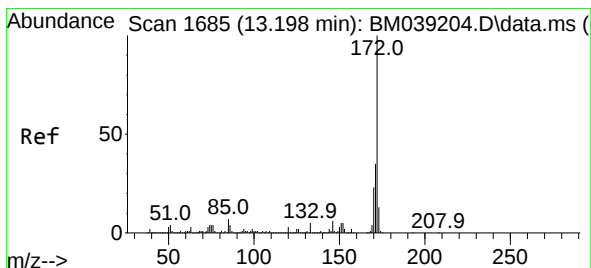
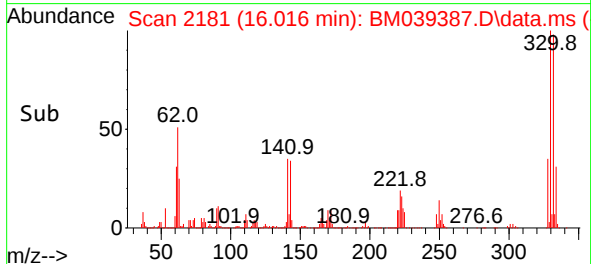
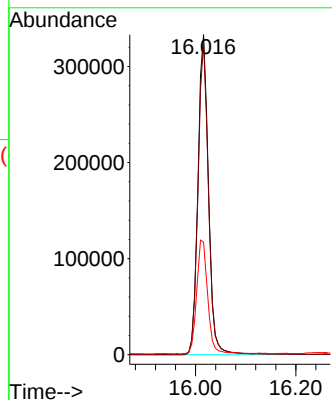
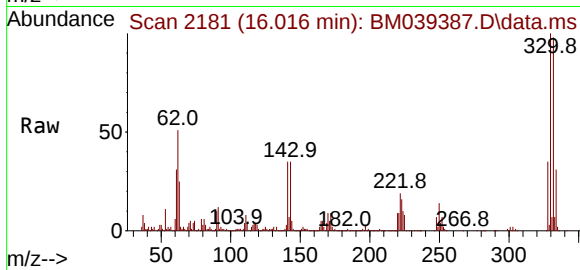




#42
2,4,6-Tribromophenol
Concen: 57.350 ng
RT: 16.016 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

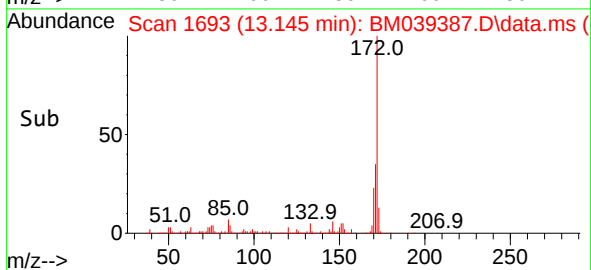
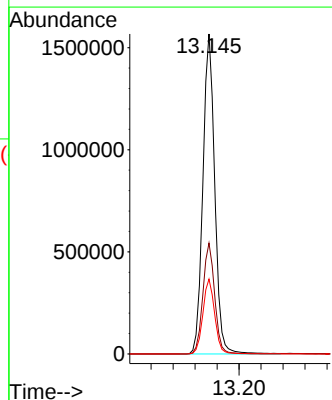
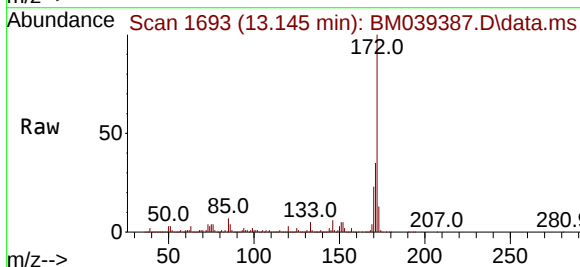
Instrument :
BNA_M
ClientSampleId :
OK-01-040623

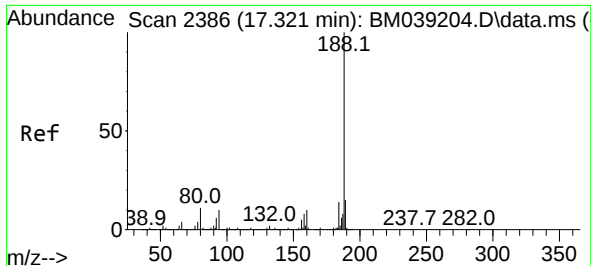
Tgt Ion:330 Resp: 487638
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.0 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 47.552 ng
RT: 13.145 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion:172 Resp: 2350809
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.4 18.7 28.1

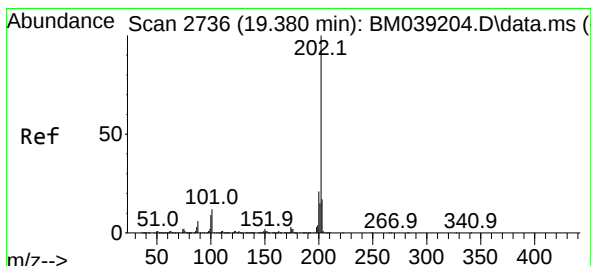
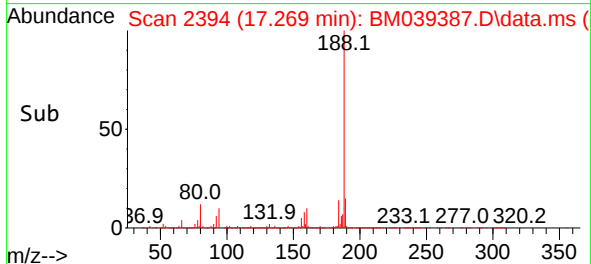
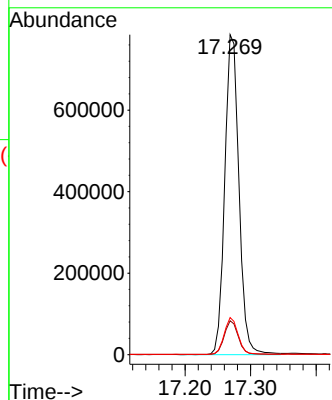
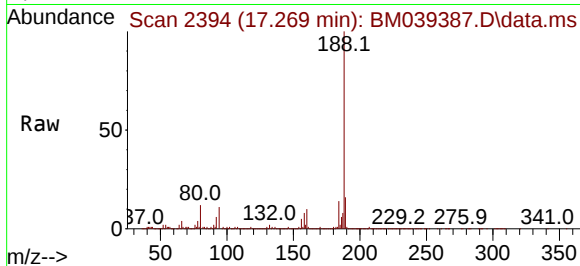




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

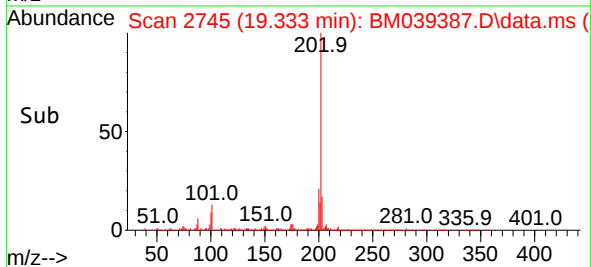
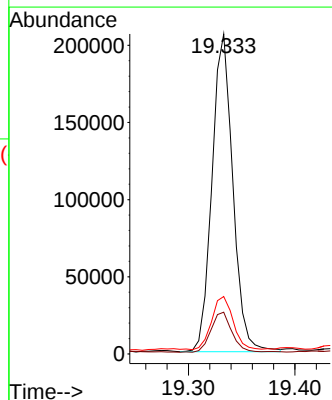
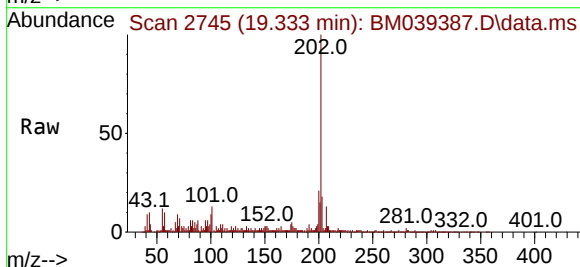
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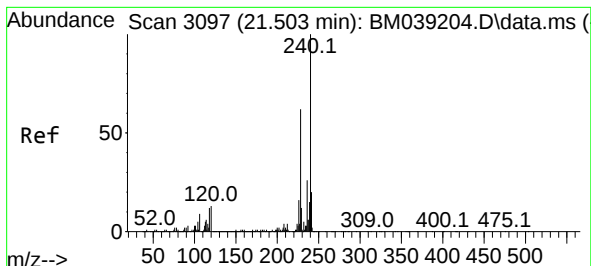
Tgt Ion:188 Resp: 1171945
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.4
80 11.6 8.9 13.3



#75
Fluoranthene
Concen: 3.826 ng
RT: 19.333 min Scan# 2745
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion:202 Resp: 279969
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.5
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM039387.D

Acq: 10 Apr 2023 21:08

Instrument :

BNA_M

ClientSampleId :

OK-01-040623

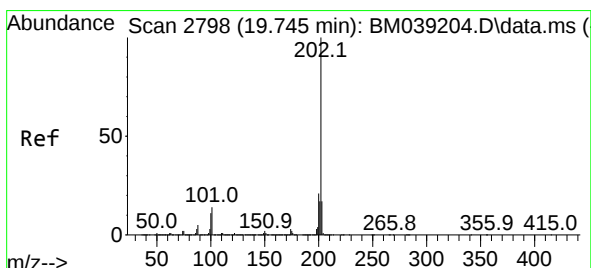
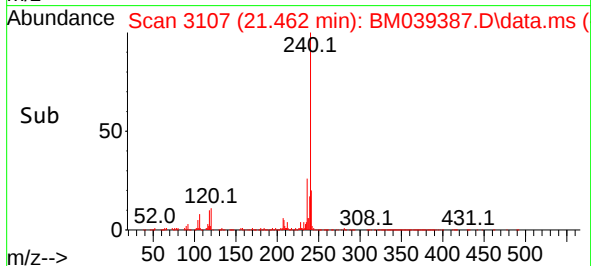
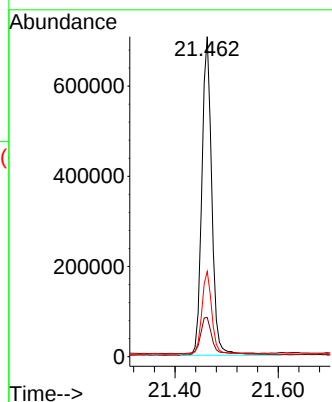
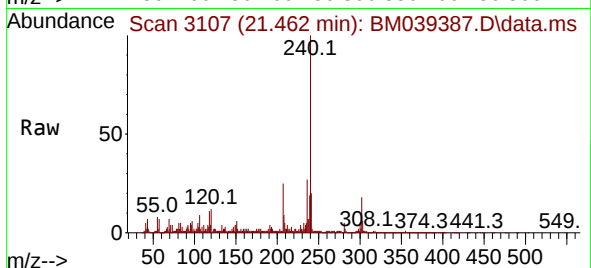
Tgt Ion:240 Resp: 943433

Ion Ratio Lower Upper

240 100

120 12.2 10.2 15.2

236 26.7 20.9 31.3



#78

Pyrene

Concen: 3.932 ng

RT: 19.698 min Scan# 2807

Delta R.T. 0.000 min

Lab File: BM039387.D

Acq: 10 Apr 2023 21:08

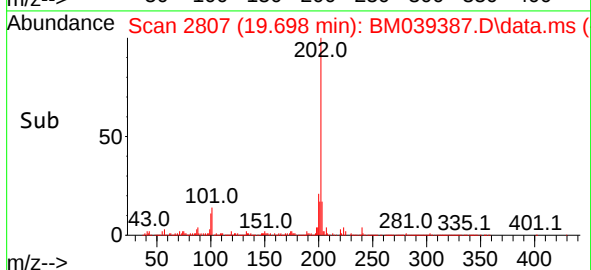
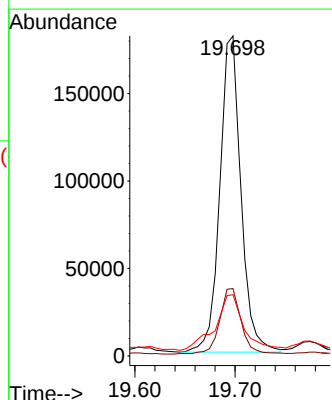
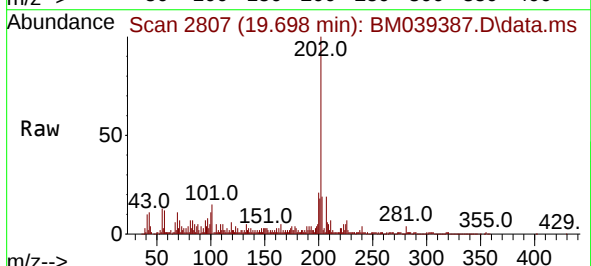
Tgt Ion:202 Resp: 264064

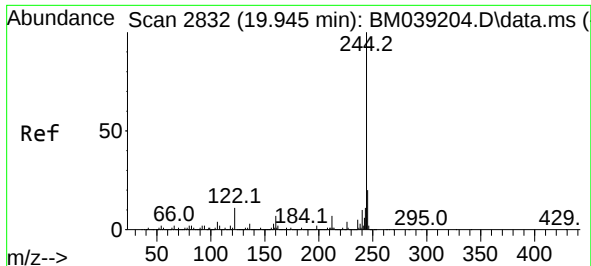
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 19.2 13.9 20.9

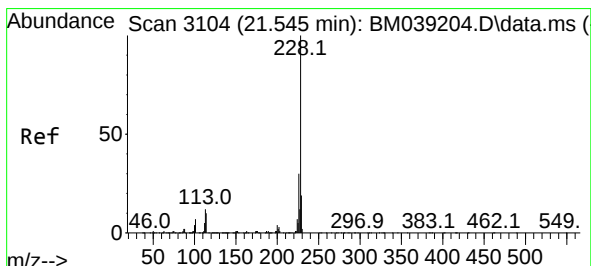
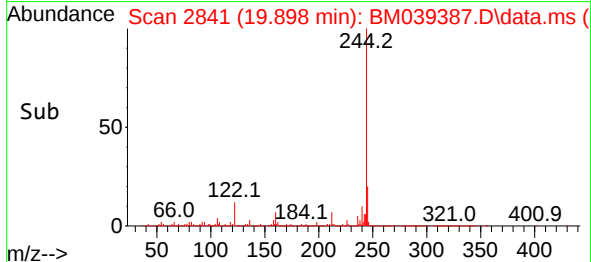
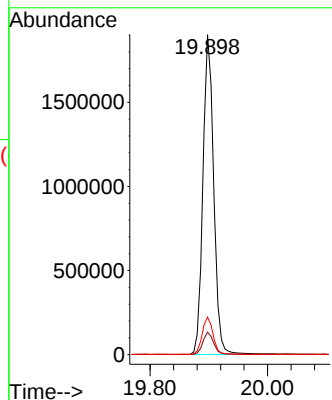
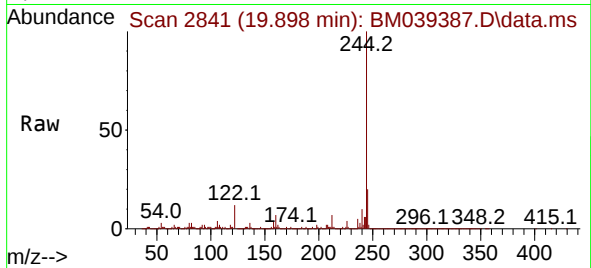




#79
 Terphenyl-d14
 Concen: 47.383 ng
 RT: 19.898 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039387.D
 Acq: 10 Apr 2023 21:08

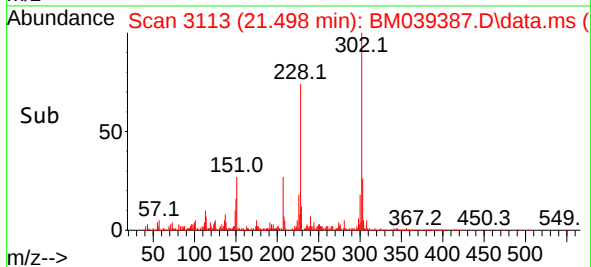
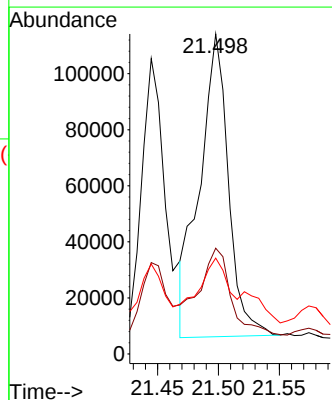
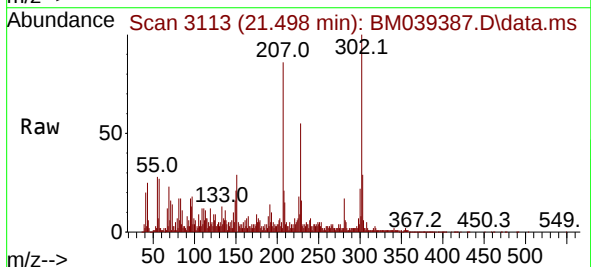
Instrument :
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 ClientSampleId :
 OK-01-040623

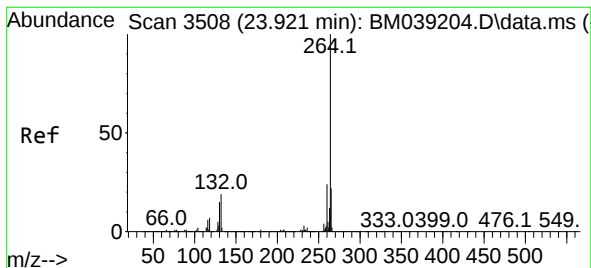
Tgt Ion:244 Resp: 2419565
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 11.7 9.1 13.7



#83
 Chrysene
 Concen: 2.763 ng
 RT: 21.498 min Scan# 3113
 Delta R.T. 0.000 min
 Lab File: BM039387.D
 Acq: 10 Apr 2023 21:08

Tgt Ion:228 Resp: 177488
 Ion Ratio Lower Upper
 228 100
 226 33.0 24.1 36.1
 229 29.9 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.856 min Scan# 31

Delta R.T. 0.012 min

Lab File: BM039387.D

Acq: 10 Apr 2023 21:08

Instrument :

BNA_M

ClientSampleId :

OK-01-040623

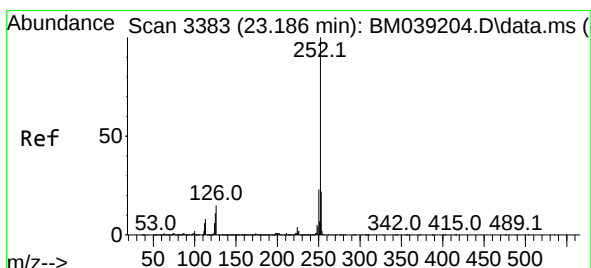
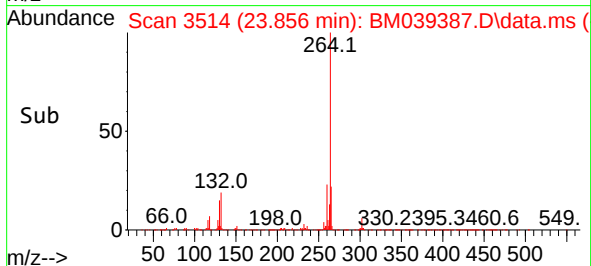
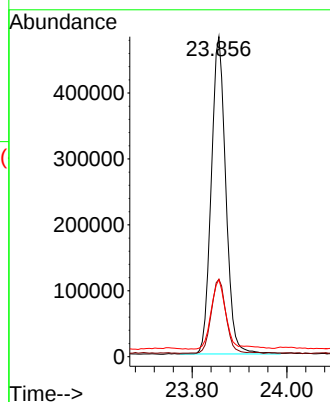
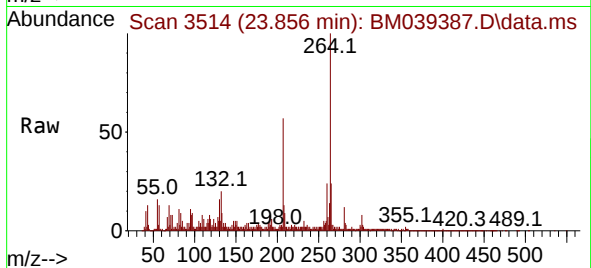
Tgt Ion:264 Resp: 1027580

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 24.1 18.1 27.1



#88

Benzo(b)fluoranthene

Concen: 3.278 ng

RT: 23.127 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BM039387.D

Acq: 10 Apr 2023 21:08

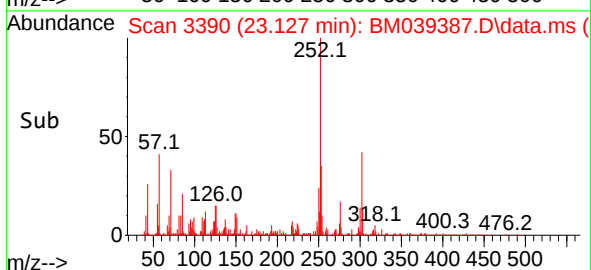
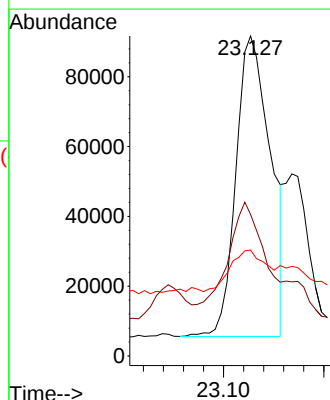
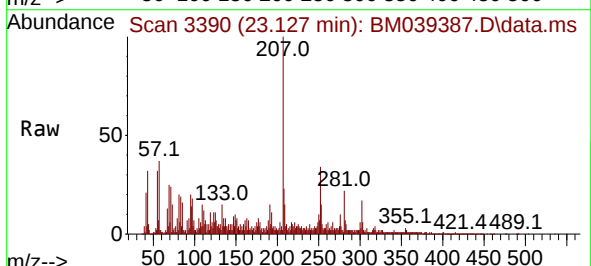
Tgt Ion:252 Resp: 206082

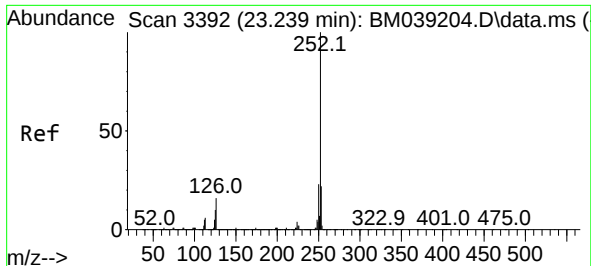
Ion Ratio Lower Upper

252 100

253 44.2 17.6 26.4#

125 33.1 9.0 13.6#

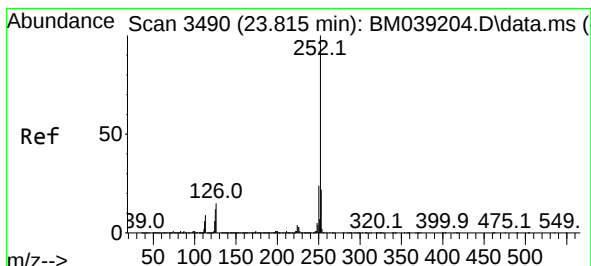
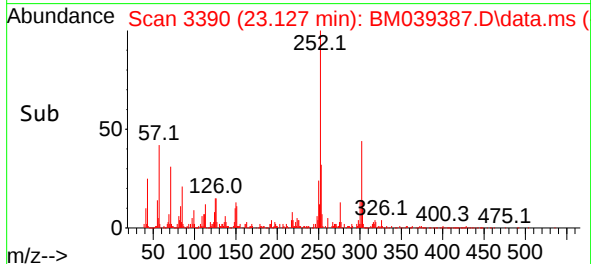
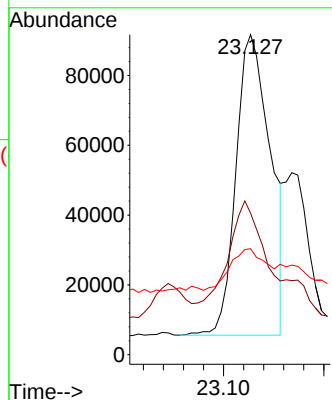
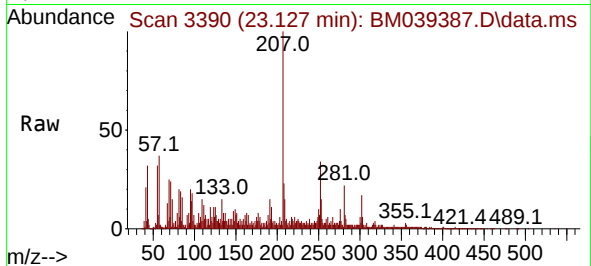




#89
Benzo(k)fluoranthene
Concen: 3.218 ng
RT: 23.127 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

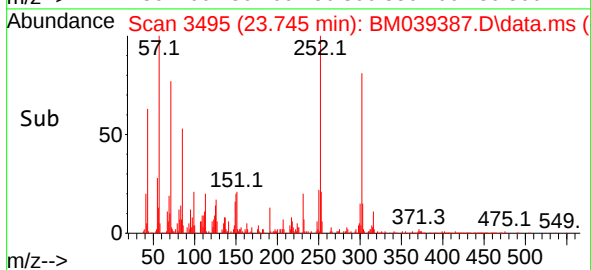
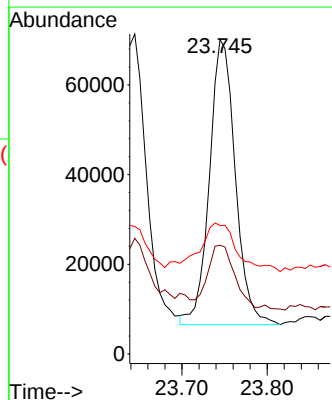
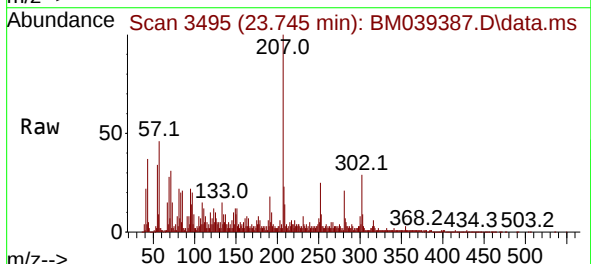
Instrument :
BNA_M
ClientSampleId :
OK-01-040623

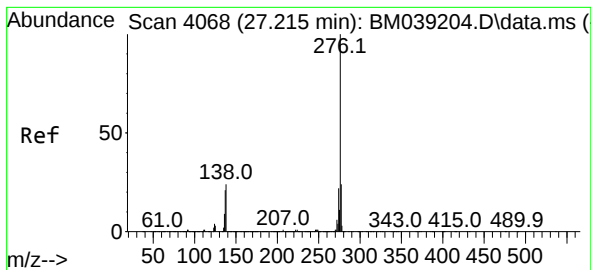
Tgt Ion:252 Resp: 206082
Ion Ratio Lower Upper
252 100
253 44.2 17.8 26.8#
125 33.1 8.5 12.7#



#90
Benzo(a)pyrene
Concen: 2.174 ng
RT: 23.745 min Scan# 3495
Delta R.T. 0.000 min
Lab File: BM039387.D
Acq: 10 Apr 2023 21:08

Tgt Ion:252 Resp: 134295
Ion Ratio Lower Upper
252 100
253 34.6 17.6 26.4#
125 40.9 9.8 14.6#





#92

Benzo(g,h,i)perylene

Concen: 2.194 ng

RT: 27.103 min Scan# 40

Delta R.T. 0.018 min

Lab File: BM039387.D

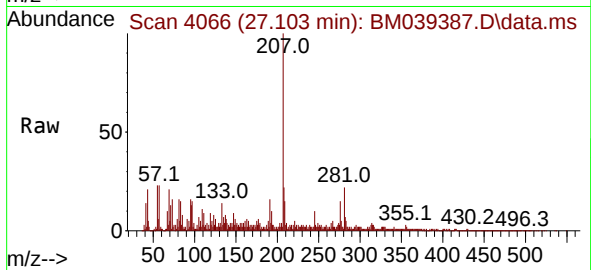
Acq: 10 Apr 2023 21:08

Instrument :

BNA_M

ClientSampleId :

OK-01-040623



Tgt Ion:276 Resp: 137190

Ion Ratio Lower Upper

276 100

277 32.2 19.1 28.7#

138 37.6 19.5 29.3#

