

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041023\
 Data File : BM039385.D
 Acq On : 10 Apr 2023 19:52
 Operator : CG/JU
 Sample : 02257-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ELI-SOLID-0407

Quant Time: Apr 11 02:14:18 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

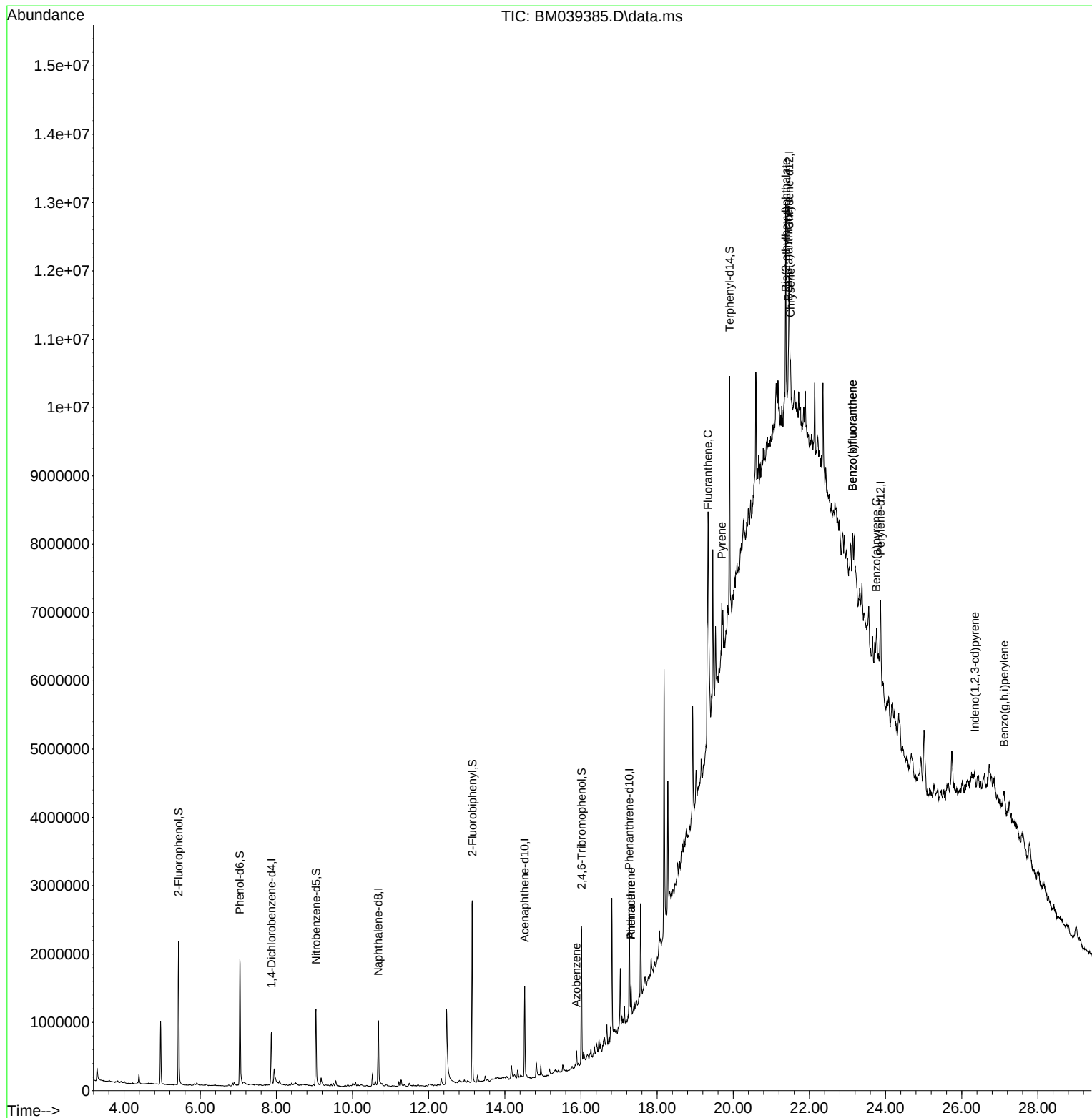
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	219360	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	822395	20.000	ng	0.00
39) Acenaphthene-d10	14.521	164	448351	20.000	ng	0.00
64) Phenanthrene-d10	17.268	188	897649	20.000	ng	0.00
76) Chrysene-d12	21.468	240	843482	20.000	ng	0.00
86) Perylene-d12	23.868	264	971607	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	948543	65.148	ng	0.00
7) Phenol-d6	7.040	99	1177555	62.529	ng	0.00
23) Nitrobenzene-d5	9.039	82	701794	41.475	ng	0.00
42) 2,4,6-Tribromophenol	16.015	330	351230	61.713	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	1391162	42.041	ng	0.00
79) Terphenyl-d14	19.903	244	1828011	40.041	ng	0.00
Target Compounds						
63) Azobenzene	15.880	77	74124	2.127	ng	# 1
71) Phenanthrene	17.315	178	260762	5.304	ng	98
72) Anthracene	17.315	178	260762	5.202	ng	96
75) Fluoranthene	19.333	202	709694	12.664	ng	94
78) Pyrene	19.698	202	569457	9.484	ng	# 95
81) Benzo(a)anthracene	21.450	228	282350	4.746	ng	# 93
83) Chrysene	21.503	228	343429	5.980	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.380	149	1229260	30.256	ng	100
87) Indeno(1,2,3-cd)pyrene	26.344	276	184797	2.581	ng	96
88) Benzo(b)fluoranthene	23.139	252	430467	7.241	ng	# 58
89) Benzo(k)fluoranthene	23.139	252	430467	7.109	ng	# 59
90) Benzo(a)pyrene	23.756	252	241201	4.130	ng	# 49
92) Benzo(g,h,i)perylene	27.115	276	192037	3.249	ng	# 85

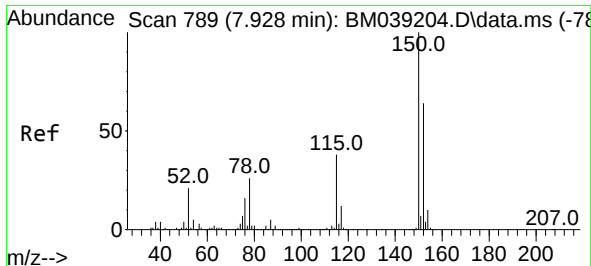
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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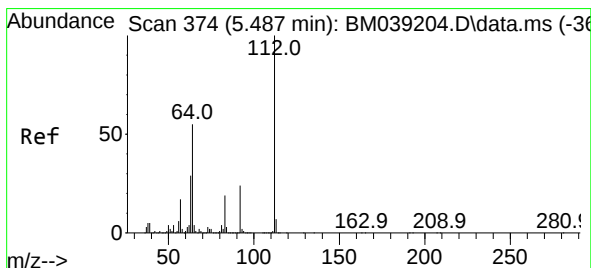
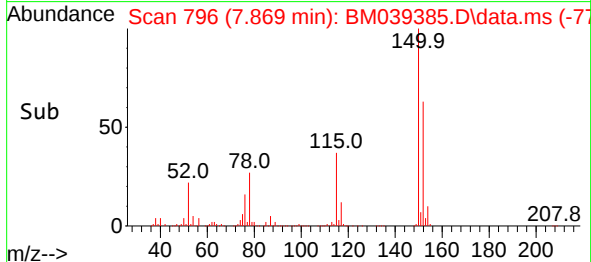
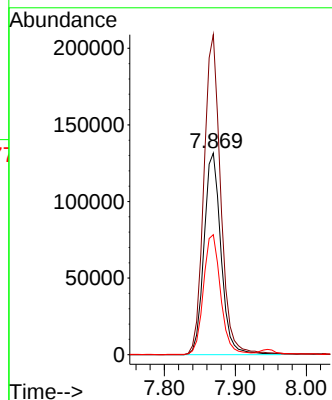
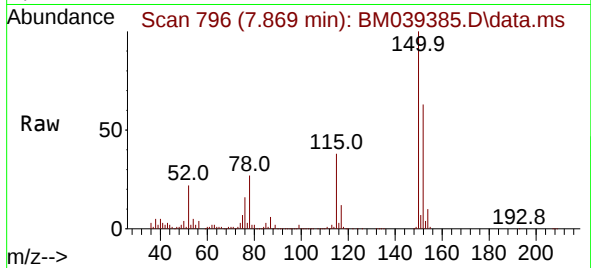




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

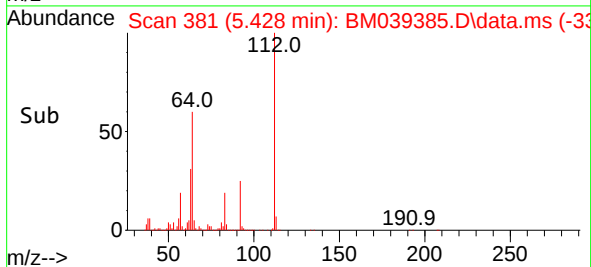
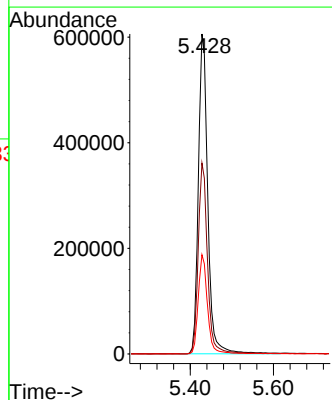
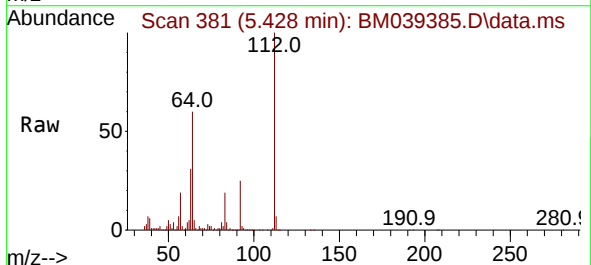
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BNA_M
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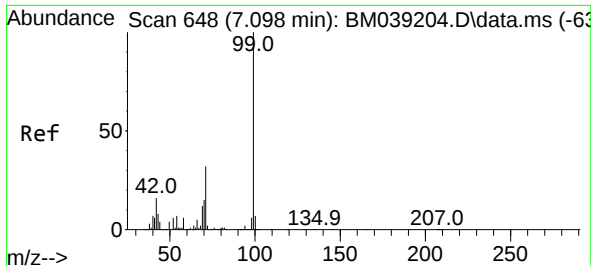
Tgt Ion:152 Resp: 219360
Ion Ratio Lower Upper
152 100
150 158.8 125.5 188.3
115 59.5 48.1 72.1



#5
2-Fluorophenol
Concen: 65.148 ng
RT: 5.428 min Scan# 381
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:112 Resp: 948543
Ion Ratio Lower Upper
112 100
64 59.6 44.3 66.5
63 31.0 23.0 34.6

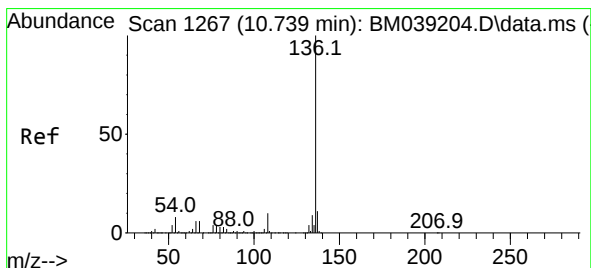
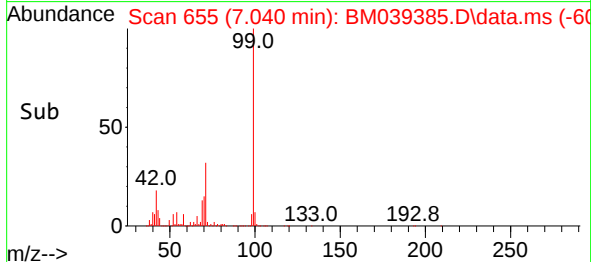
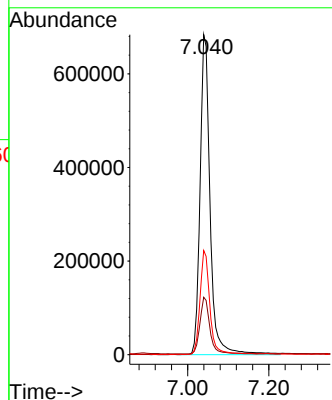
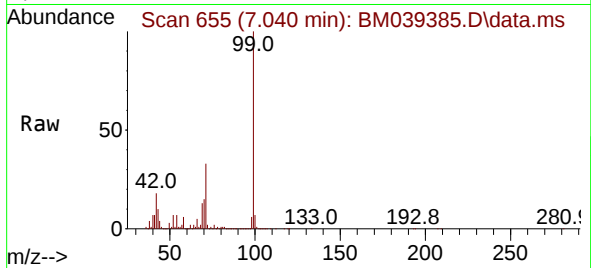




#7
Phenol-d6
Concen: 62.529 ng
RT: 7.040 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

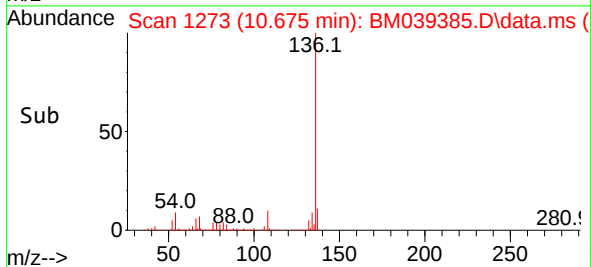
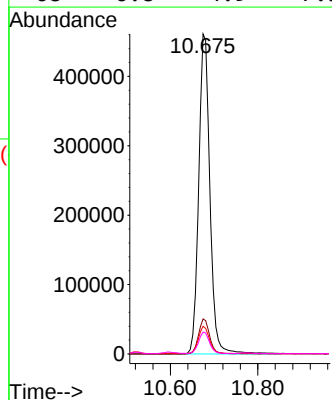
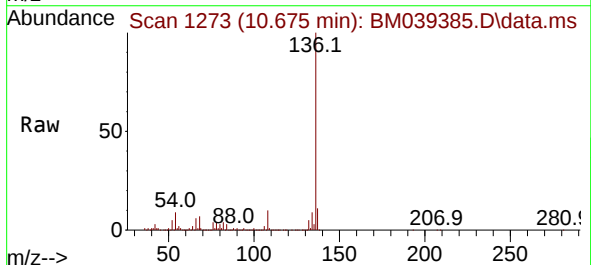
Instrument :
BNA_M
ClientSampleId :
ELI-SOLID-0407

Tgt Ion: 99 Resp: 1177555
Ion Ratio Lower Upper
99 100
42 18.0 13.0 19.6
71 32.5 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion: 136 Resp: 822395
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.7 6.2 9.4
68 6.8 4.9 7.3

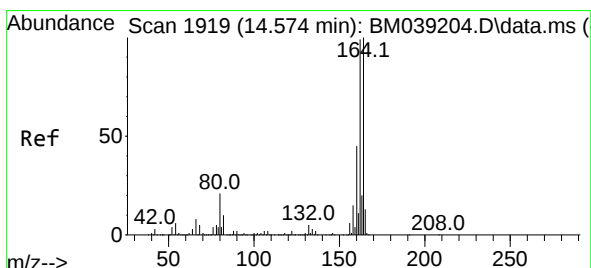
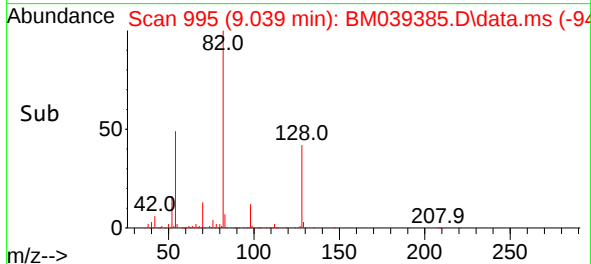
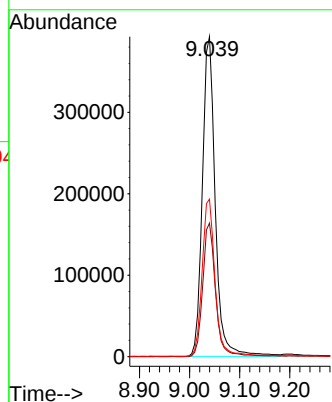
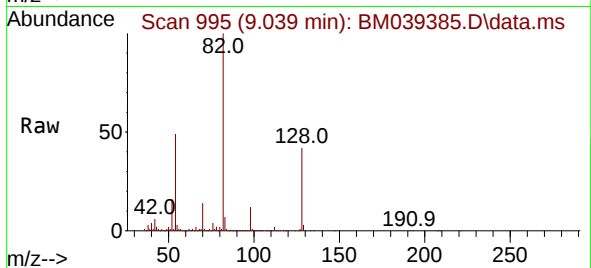




#23
Nitrobenzene-d5
Concen: 41.475 ng
RT: 9.039 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

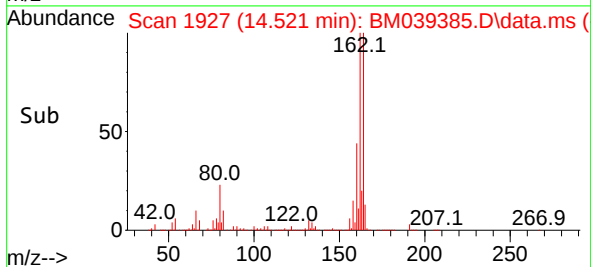
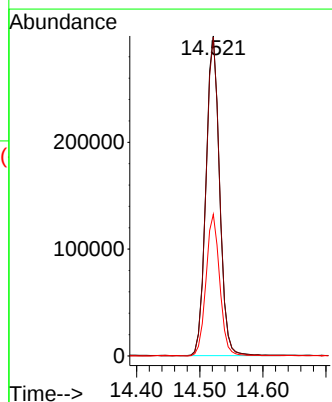
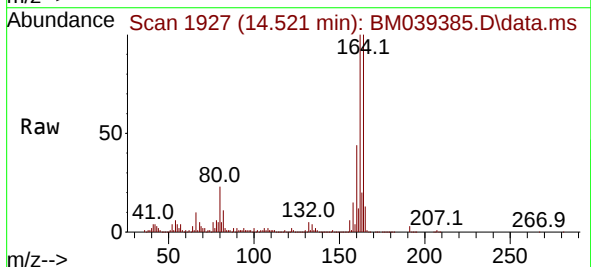
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ClientSampleId :
ELI-SOLID-0407

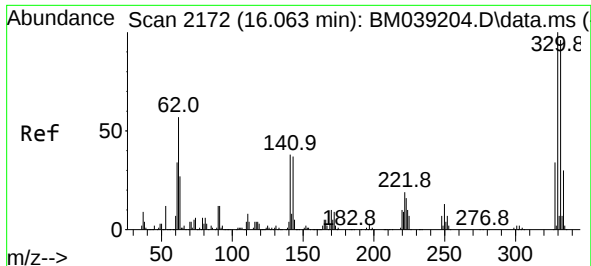
Tgt Ion: 82 Resp: 701794
Ion Ratio Lower Upper
82 100
128 41.8 35.1 52.7
54 49.3 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.521 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion: 164 Resp: 448351
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 44.2 35.8 53.8

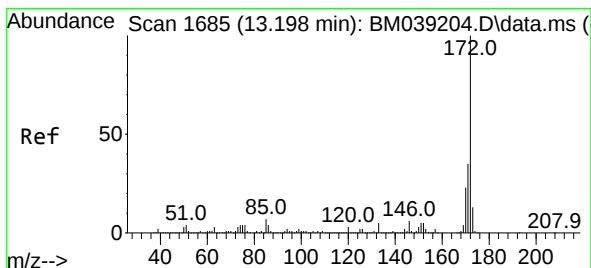
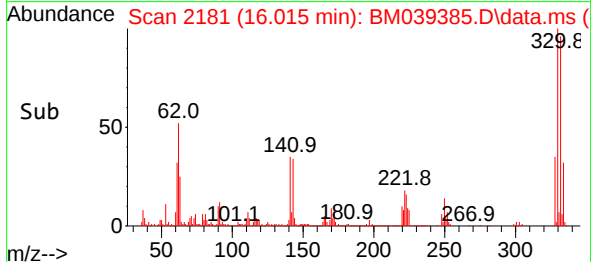
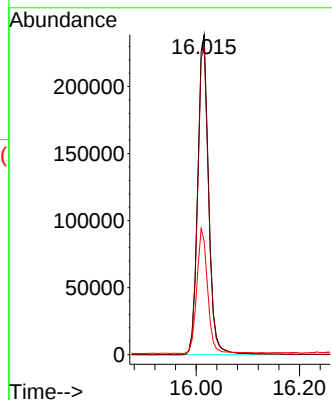
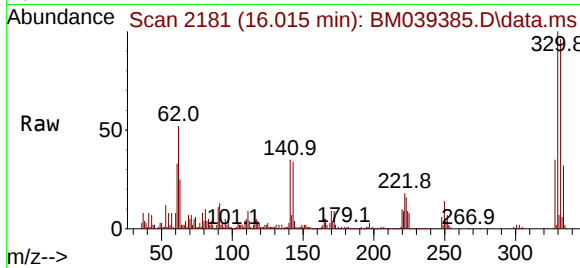




#42
2,4,6-Tribromophenol
Concen: 61.713 ng
RT: 16.015 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

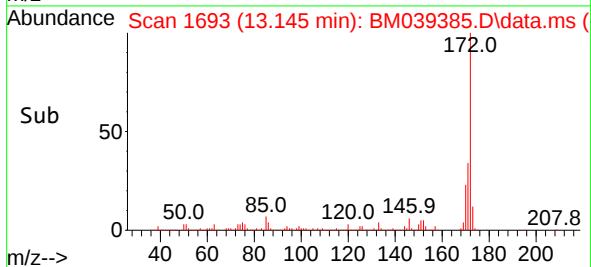
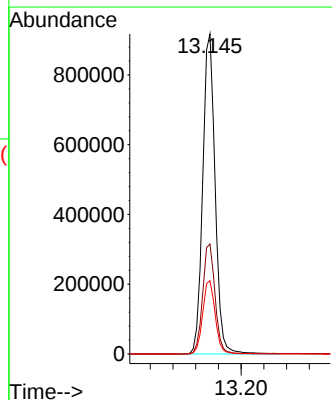
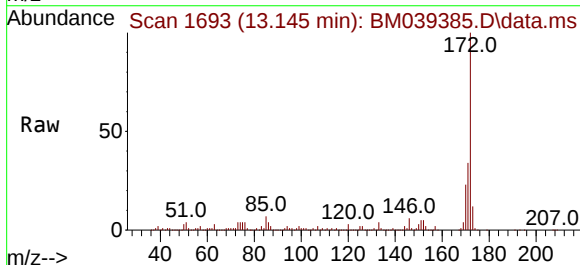
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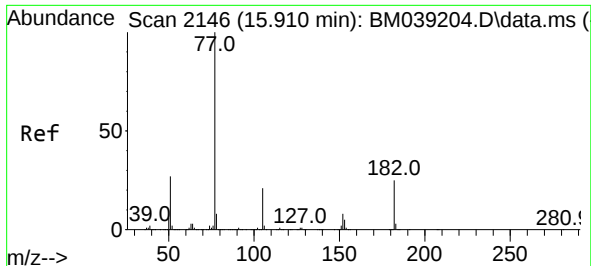
Tgt Ion:330 Resp: 351230
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 38.4 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 42.041 ng
RT: 13.145 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:172 Resp: 1391162
Ion Ratio Lower Upper
172 100
171 34.4 28.0 42.0
170 22.9 18.7 28.1

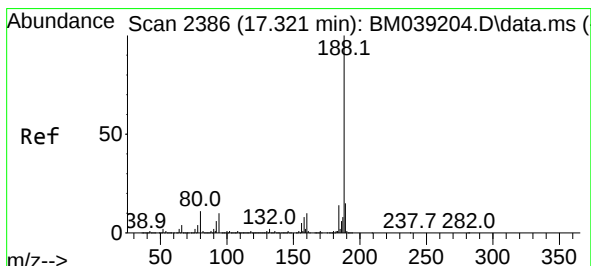
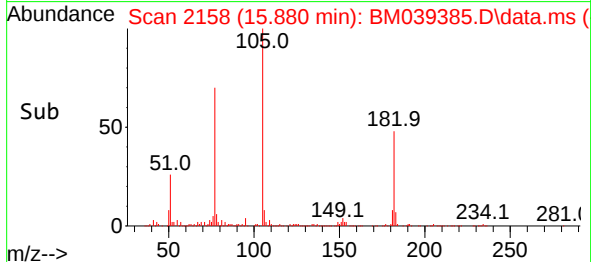
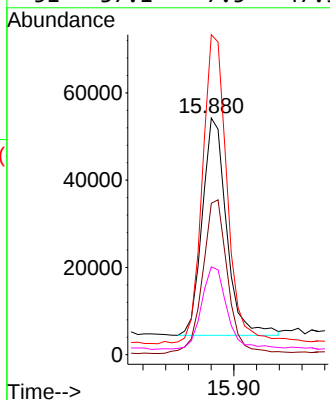
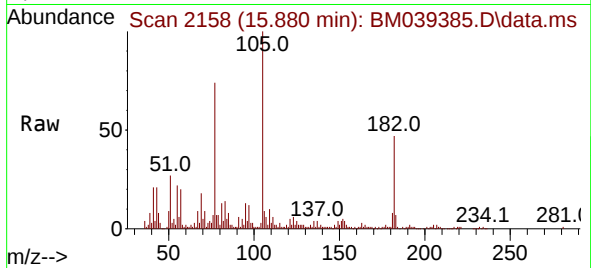




#63
Azobenzene
Concen: 2.127 ng
RT: 15.880 min Scan# 2146
Delta R.T. 0.024 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

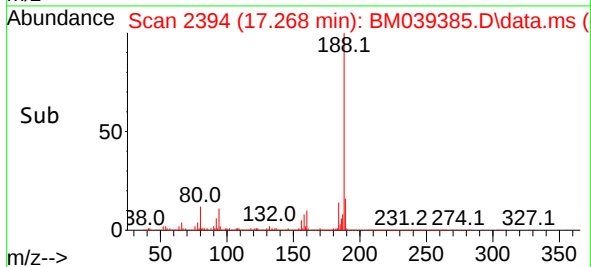
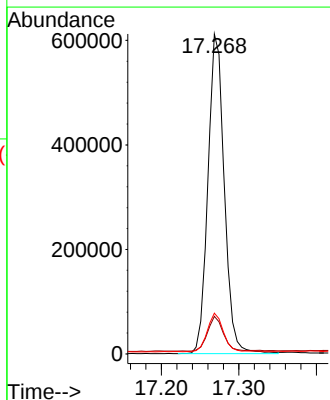
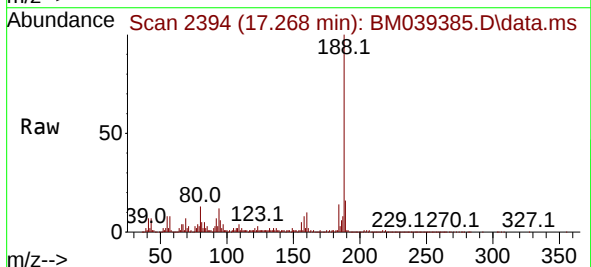
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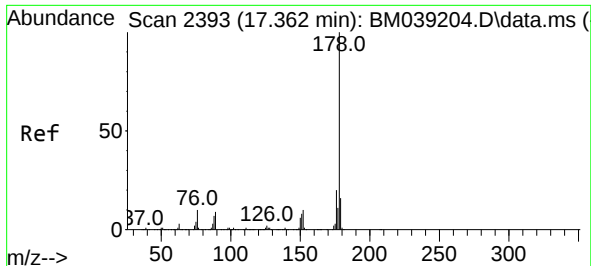
Tgt Ion: 77 Resp: 74124
Ion Ratio Lower Upper
77 100
182 63.9 4.8 44.8#
105 135.2 1.4 41.4#
51 37.1 7.5 47.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.268 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion: 188 Resp: 897649
Ion Ratio Lower Upper
188 100
94 11.8 8.2 12.4
80 12.7 8.9 13.3

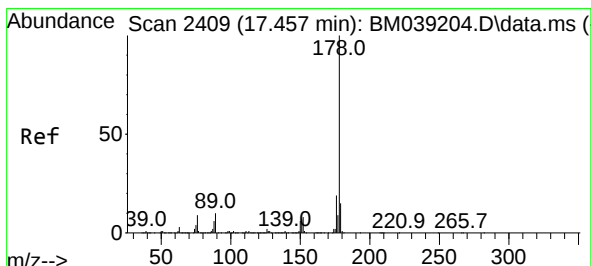
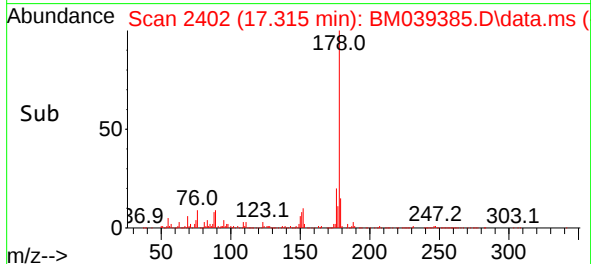
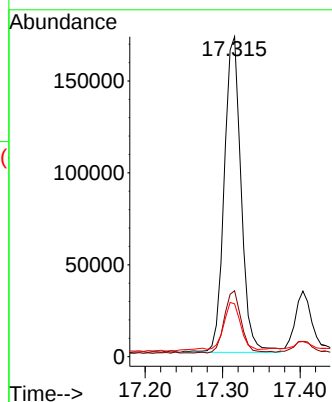
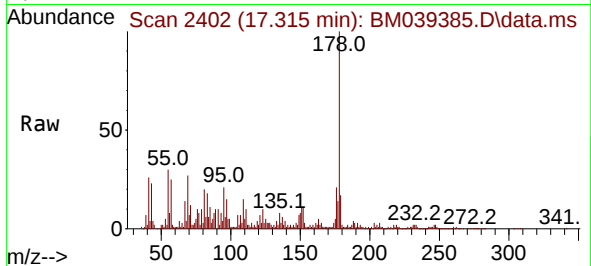




#71
Phenanthrene
Concen: 5.304 ng
RT: 17.315 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

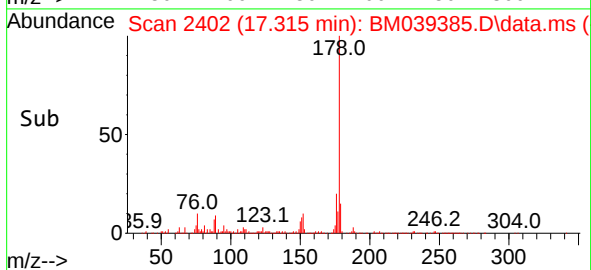
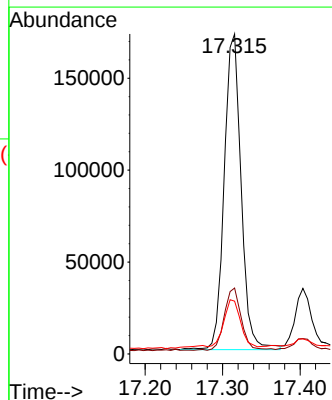
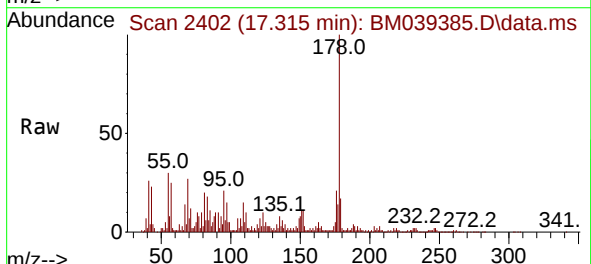
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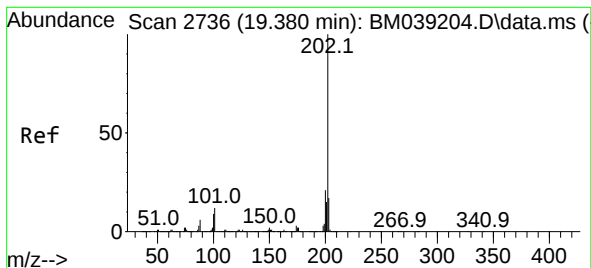
Tgt Ion:178 Resp: 260762
Ion Ratio Lower Upper
178 100
176 20.6 15.7 23.5
179 16.5 12.4 18.6



#72
Anthracene
Concen: 5.202 ng
RT: 17.315 min Scan# 2402
Delta R.T. -0.088 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:178 Resp: 260762
Ion Ratio Lower Upper
178 100
176 20.6 14.9 22.3
179 16.5 12.2 18.2





#75

Fluoranthene

Concen: 12.664 ng

RT: 19.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM039385.D

Acq: 10 Apr 2023 19:52

Instrument :

BNA_M

ClientSampleId :

ELI-SOLID-0407

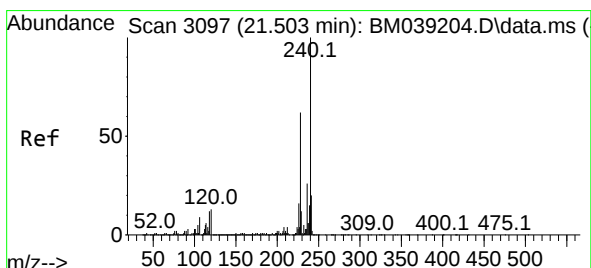
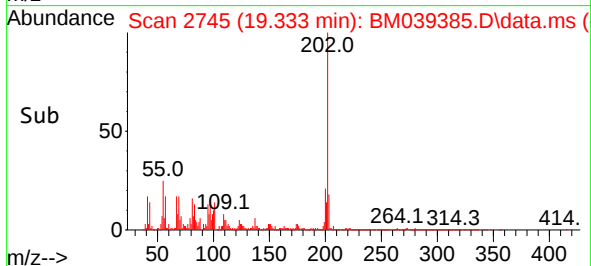
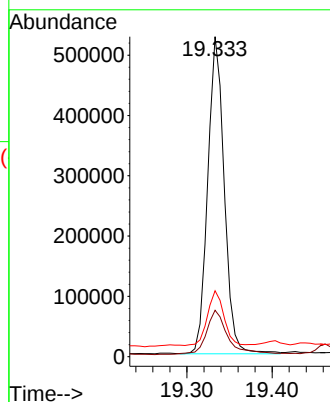
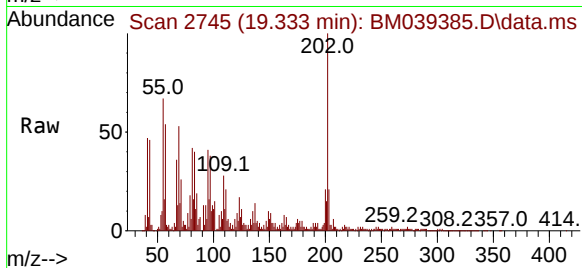
Tgt Ion:202 Resp: 709694

Ion Ratio Lower Upper

202 100

101 14.5 0.0 32.5

203 20.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.468 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BM039385.D

Acq: 10 Apr 2023 19:52

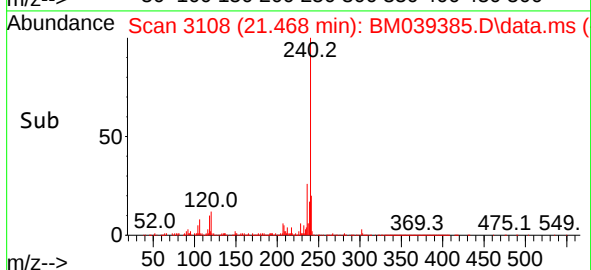
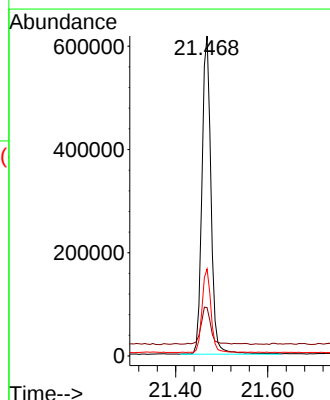
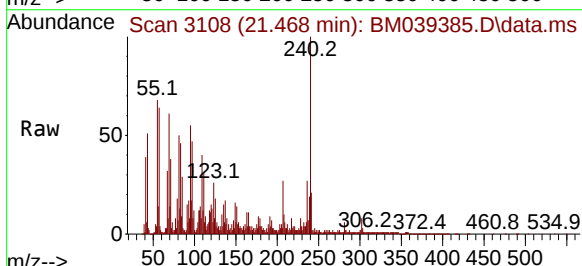
Tgt Ion:240 Resp: 843482

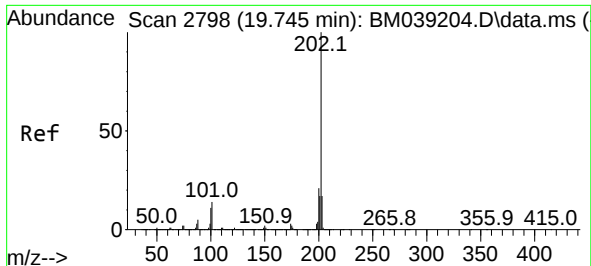
Ion Ratio Lower Upper

240 100

120 15.1 10.2 15.2

236 27.2 20.9 31.3

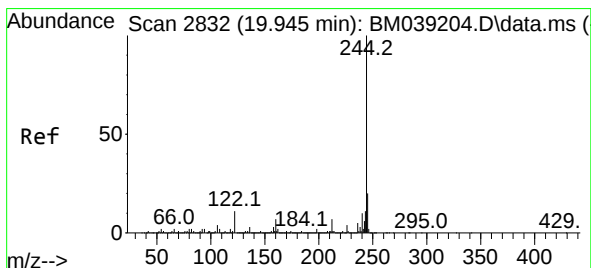
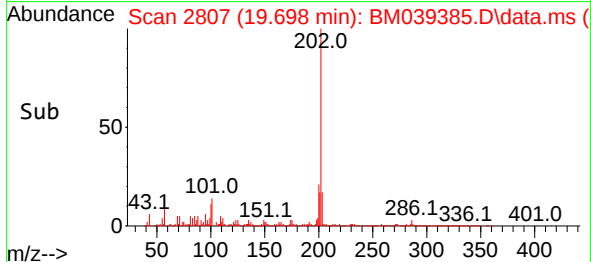
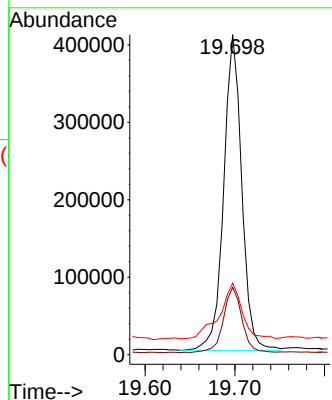
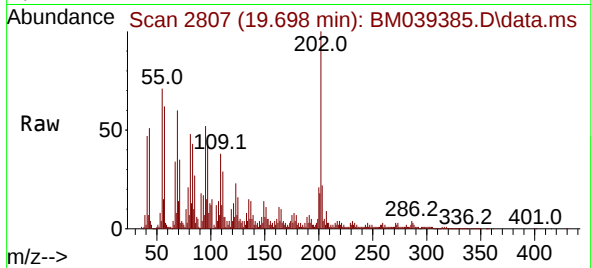




#78
 Pyrene
 Concen: 9.484 ng
 RT: 19.698 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM039385.D
 Acq: 10 Apr 2023 19:52

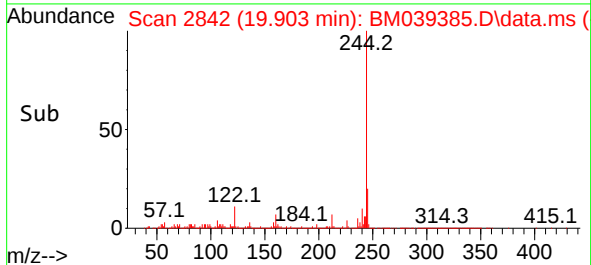
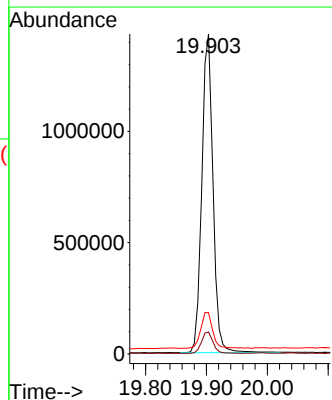
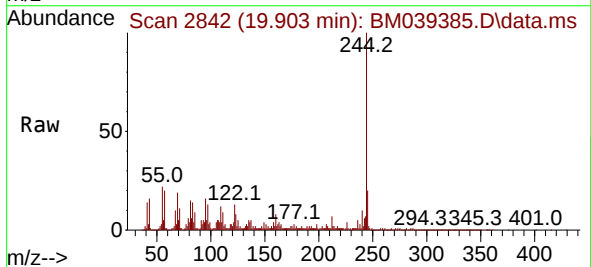
Instrument :
 BNA_M
 ClientSampleId :
 ELI-SOLID-0407

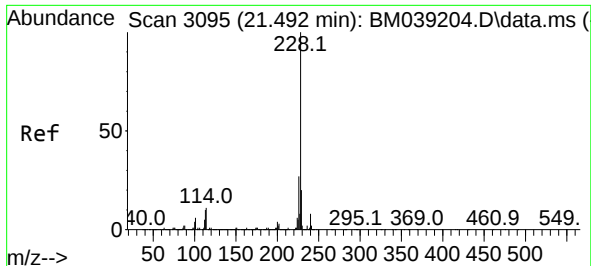
Tgt Ion:202 Resp: 569457
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 22.4 13.9 20.9#



#79
 Terphenyl-d14
 Concen: 40.041 ng
 RT: 19.903 min Scan# 2842
 Delta R.T. 0.006 min
 Lab File: BM039385.D
 Acq: 10 Apr 2023 19:52

Tgt Ion:244 Resp: 1828011
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.9 9.1 13.7

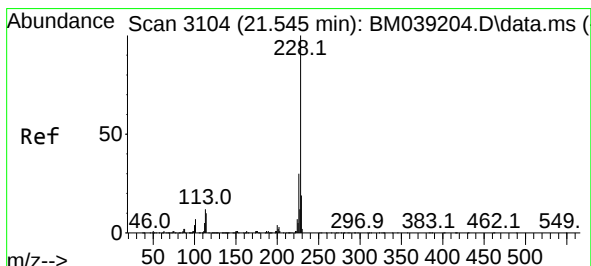
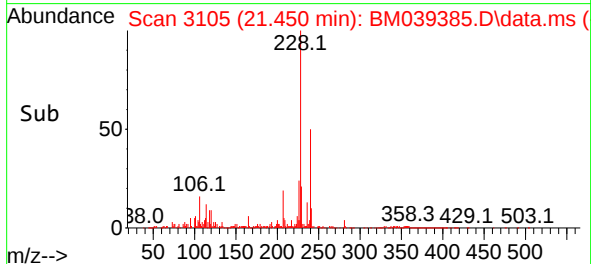
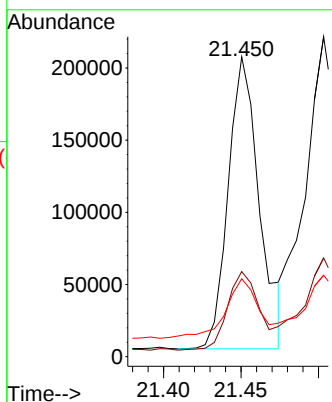
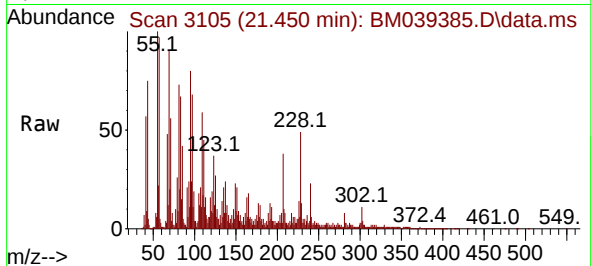




#81
Benzo(a)anthracene
Concen: 4.746 ng
RT: 21.450 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

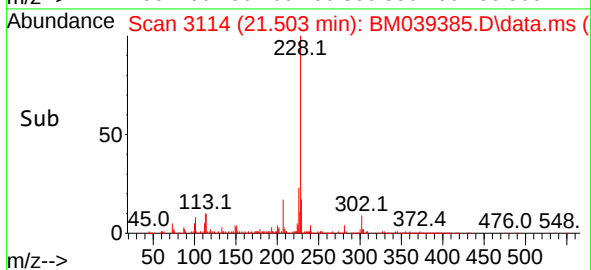
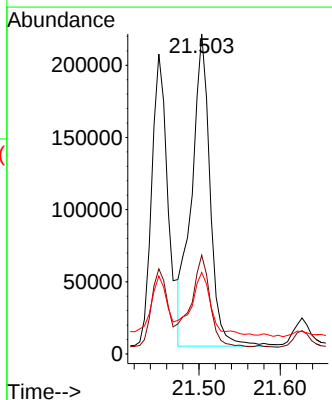
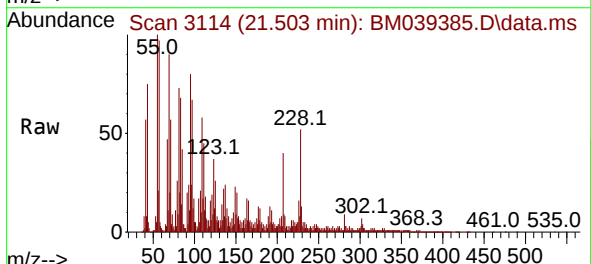
Instrument :
BNA_M
ClientSampleId :
ELI-SOLID-0407

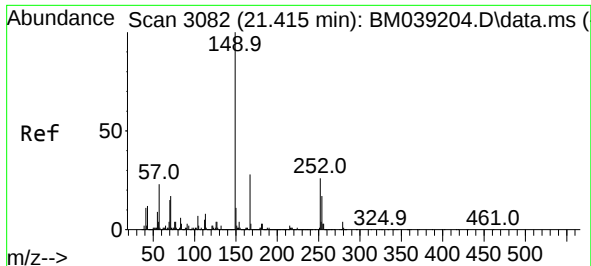
Tgt Ion:228 Resp: 282350
Ion Ratio Lower Upper
228 100
226 28.4 21.9 32.9
229 26.0 15.8 23.6#



#83
Chrysene
Concen: 5.980 ng
RT: 21.503 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:228 Resp: 343429
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 25.5 15.5 23.3#

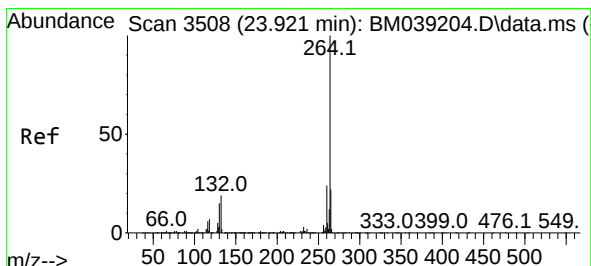
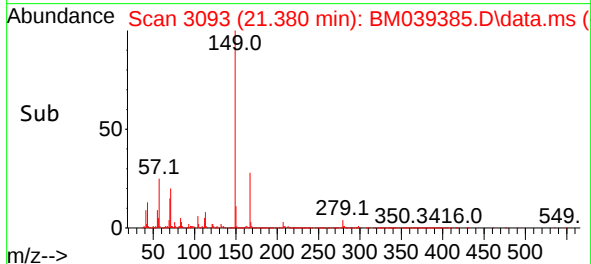
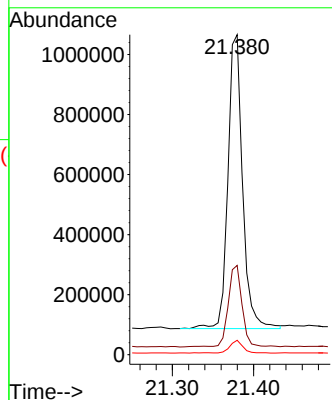
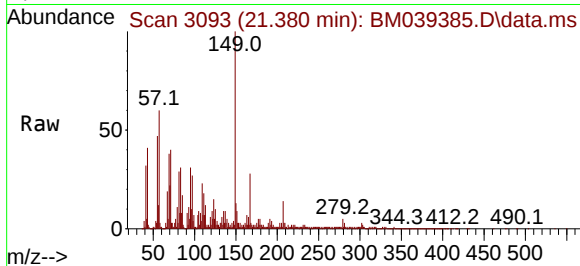




#84
Bis(2-ethylhexyl)phthalate
Concen: 30.256 ng
RT: 21.380 min Scan# 3082
Delta R.T. 0.012 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

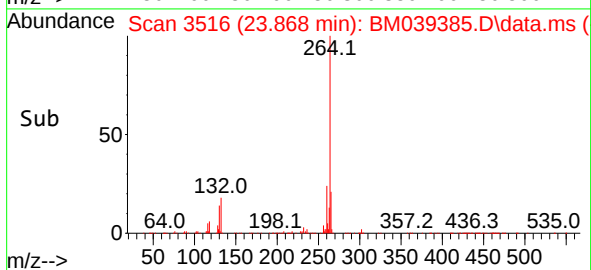
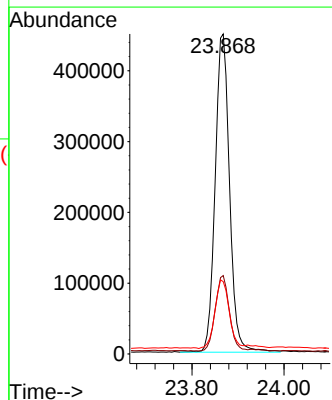
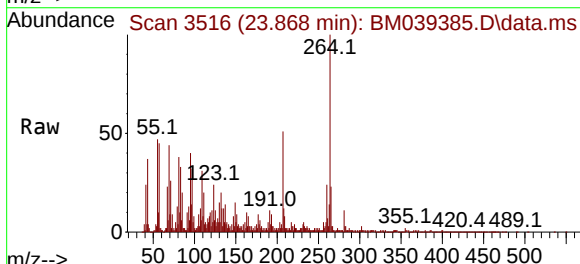
Instrument :
BNA_M
ClientSampleId :
ELI-SOLID-0407

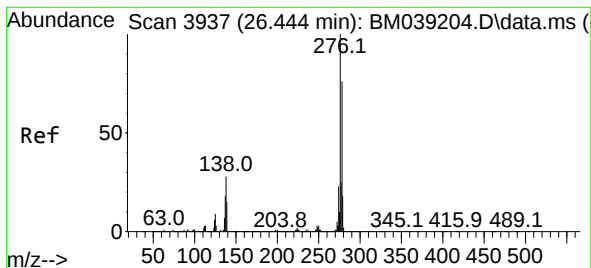
Tgt Ion:149 Resp: 1229260
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.5 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.868 min Scan# 3516
Delta R.T. 0.024 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:264 Resp: 971607
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 22.6 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.581 ng

RT: 26.344 min Scan# 3937

Delta R.T. 0.018 min

Lab File: BM039385.D

Acq: 10 Apr 2023 19:52

Instrument :

BNA_M

ClientSampleId :

ELI-SOLID-0407

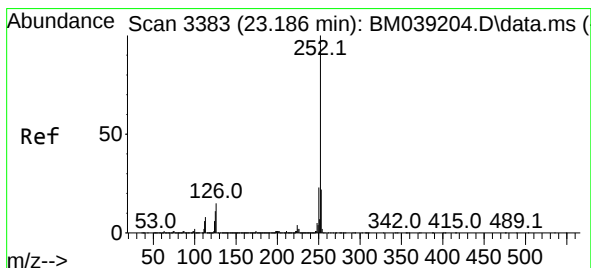
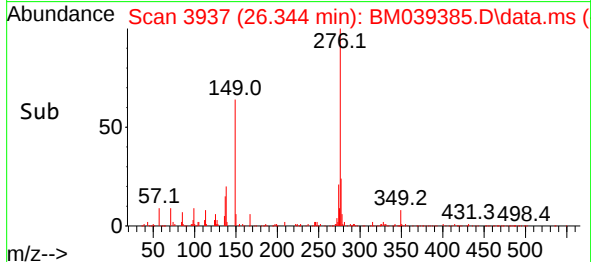
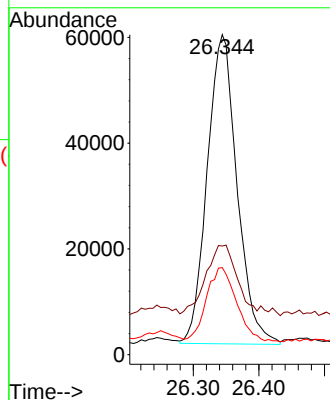
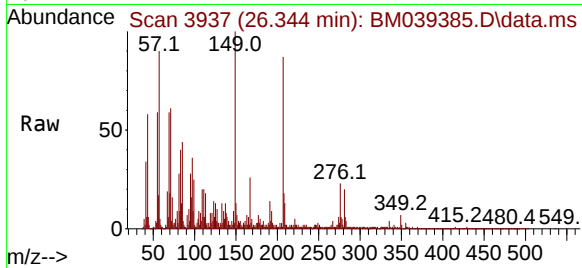
Tgt Ion:276 Resp: 184797

Ion Ratio Lower Upper

276 100

138 25.1 22.2 33.2

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.241 ng

RT: 23.139 min Scan# 3392

Delta R.T. 0.018 min

Lab File: BM039385.D

Acq: 10 Apr 2023 19:52

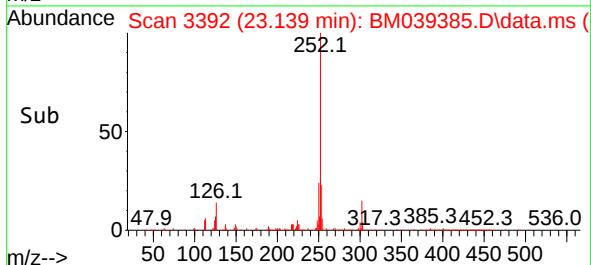
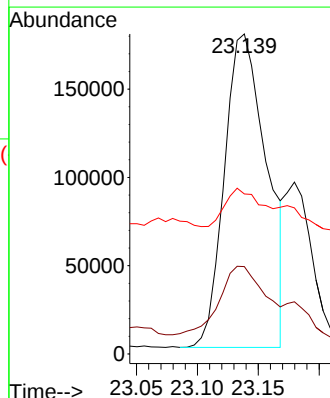
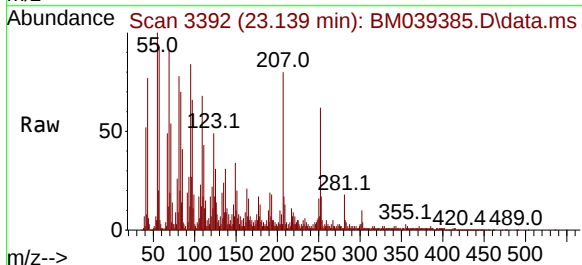
Tgt Ion:252 Resp: 430467

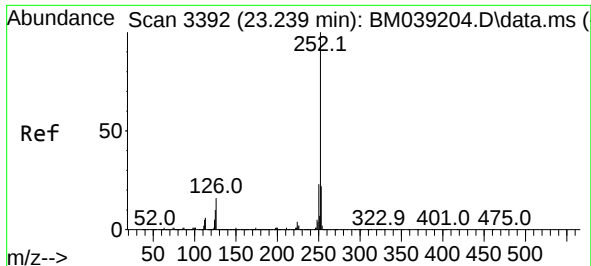
Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4#

125 50.0 9.0 13.6#

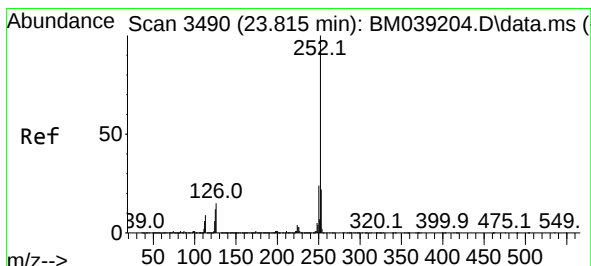
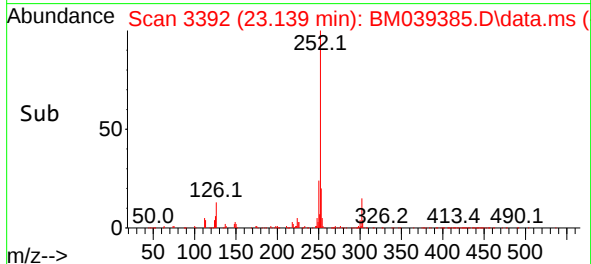
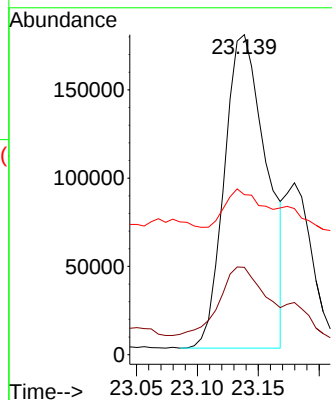
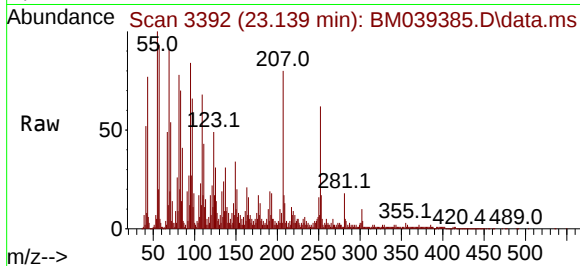




#89
Benzo(k)fluoranthene
Concen: 7.109 ng
RT: 23.139 min Scan# 31
Delta R.T. -0.029 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

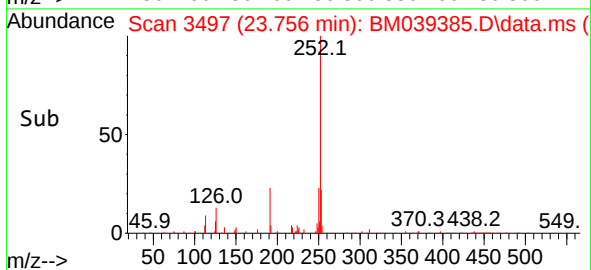
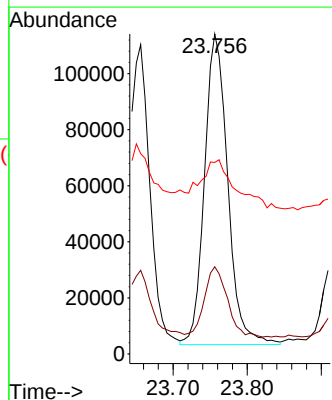
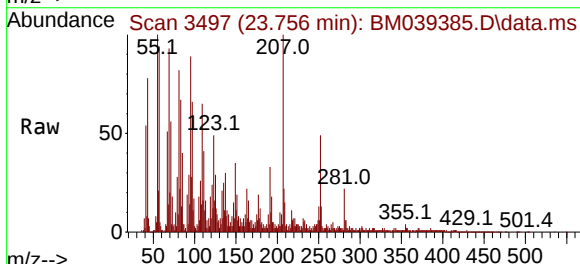
Instrument :
BNA_M
ClientSampleId :
ELI-SOLID-0407

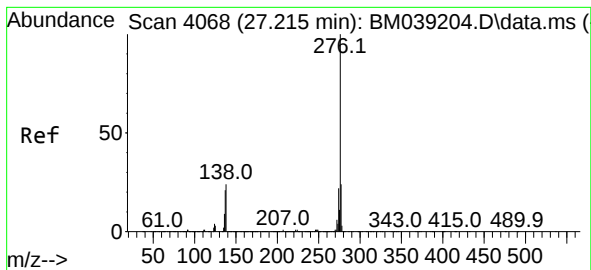
Tgt Ion:252 Resp: 430467
Ion Ratio Lower Upper
252 100
253 27.3 17.8 26.8#
125 50.0 8.5 12.7#



#90
Benzo(a)pyrene
Concen: 4.130 ng
RT: 23.756 min Scan# 3497
Delta R.T. 0.012 min
Lab File: BM039385.D
Acq: 10 Apr 2023 19:52

Tgt Ion:252 Resp: 241201
Ion Ratio Lower Upper
252 100
253 27.2 17.6 26.4#
125 59.8 9.8 14.6#





#92

Benzo(g,h,i)perylene

Concen: 3.249 ng

RT: 27.115 min Scan# 40

Delta R.T. 0.029 min

Lab File: BM039385.D

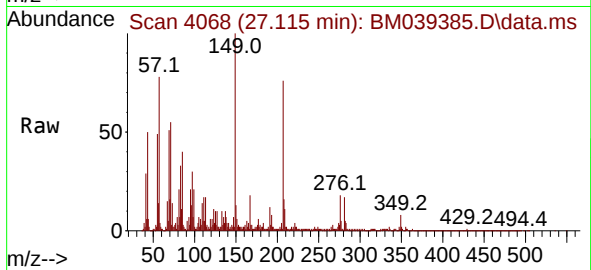
Acq: 10 Apr 2023 19:52

Instrument :

BNA_M

ClientSampleId :

ELI-SOLID-0407



Tgt Ion:276 Resp: 192037

Ion Ratio Lower Upper

276 100

277 26.8 19.1 28.7

138 35.9 19.5 29.3#

