

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040323\
 Data File : BM039289.D
 Acq On : 03 Apr 2023 21:18
 Operator : CG/JU
 Sample : 02166-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 04 02:30:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 17:03:41 2023
 Response via : Initial Calibration

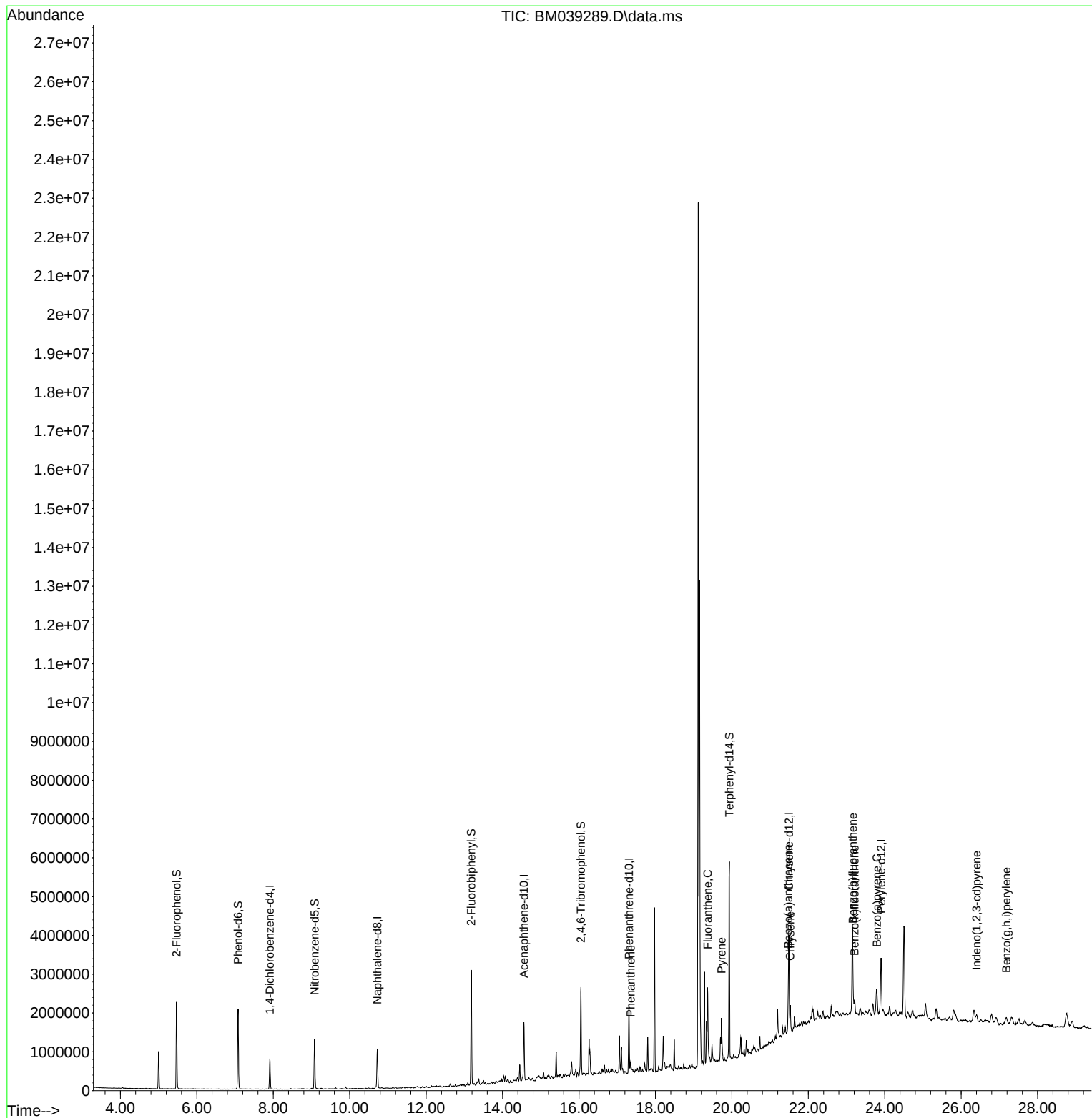
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

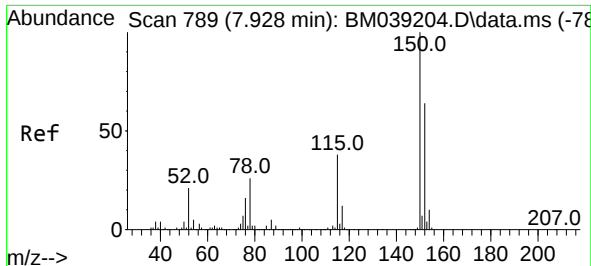
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	206927	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	812656	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	481277	20.000	ng	0.00
64) Phenanthrene-d10	17.309	188	1015275	20.000	ng	0.00
76) Chrysene-d12	21.491	240	987594	20.000	ng	0.00
86) Perylene-d12	23.903	264	1118500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	947764	69.005	ng	0.00
7) Phenol-d6	7.081	99	1204104	67.781	ng	0.00
23) Nitrobenzene-d5	9.081	82	728942	43.596	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	402574	65.895	ng	0.00
45) 2-Fluorobiphenyl	13.180	172	1491384	41.986	ng	0.00
79) Terphenyl-d14	19.933	244	2413513	45.151	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.351	178	137756	2.477	ng	99
75) Fluoranthene	19.368	202	629644	9.934	ng	100
78) Pyrene	19.727	202	649367	9.236	ng	99
81) Benzo(a)anthracene	21.474	228	372185	5.344	ng	97
83) Chrysene	21.527	228	359475	5.346	ng	96
87) Indeno(1,2,3-cd)pyrene	26.403	276	200415	2.432	ng	96
88) Benzo(b)fluoranthene	23.168	252	436801	6.382	ng	# 86
89) Benzo(k)fluoranthene	23.209	252	161345m	2.314	ng	
90) Benzo(a)pyrene	23.797	252	324160	4.822	ng	# 91
92) Benzo(g,h,i)perylene	27.179	276	212116	3.117	ng	96

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

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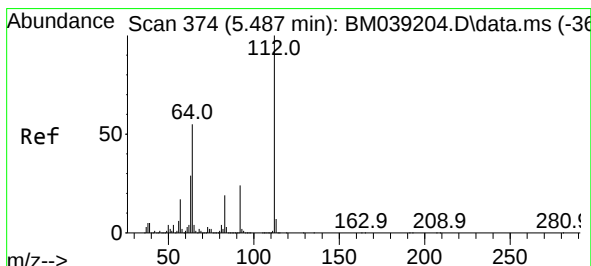
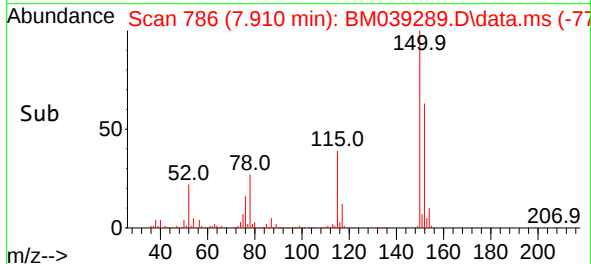
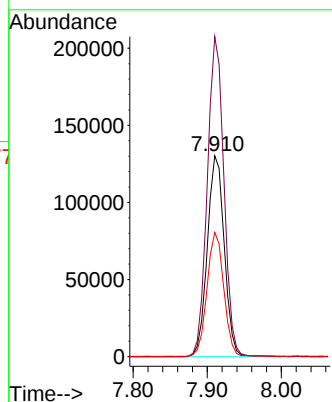
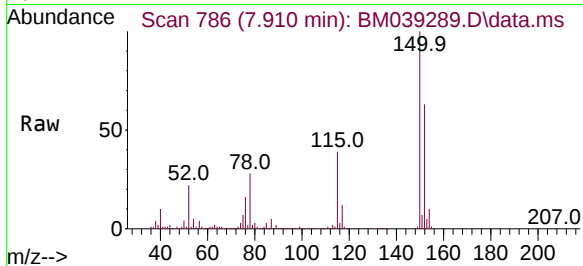
Quant Time: Apr 04 02:30:06 2023
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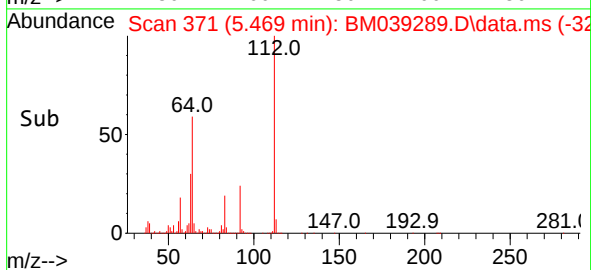
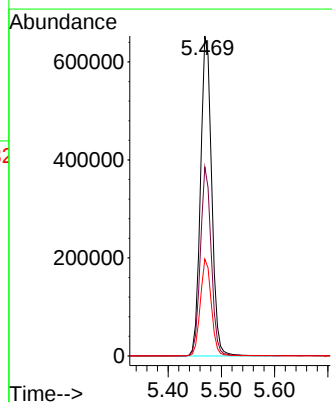
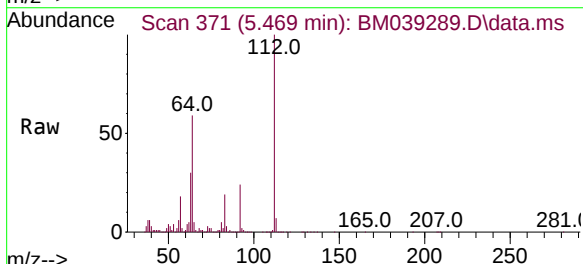
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 786
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

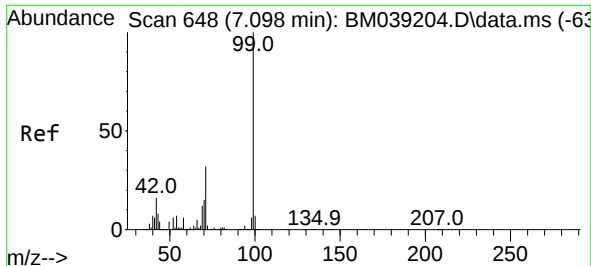
Tgt Ion:152 Resp: 206927
Ion Ratio Lower Upper
152 100
150 159.2 125.5 188.3
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 69.005 ng
RT: 5.469 min Scan# 371
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion:112 Resp: 947764
Ion Ratio Lower Upper
112 100
64 59.0 44.3 66.5
63 30.2 23.0 34.6

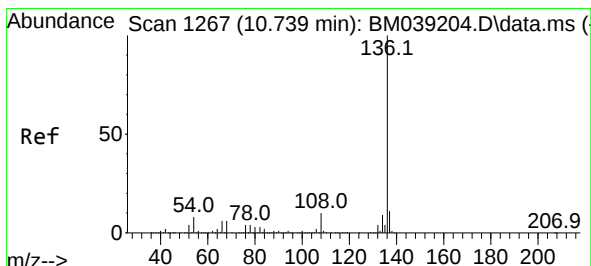
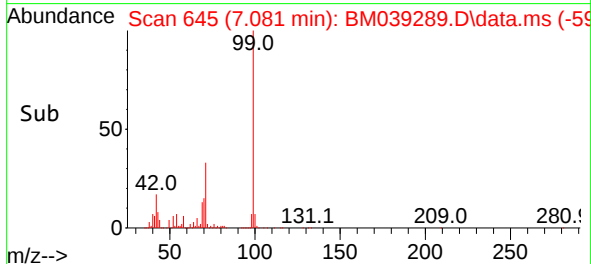
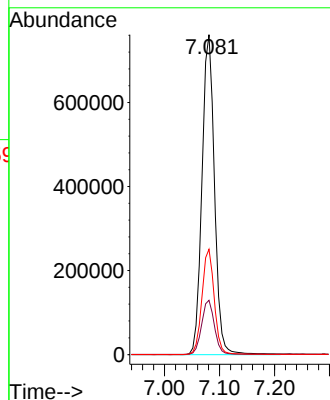
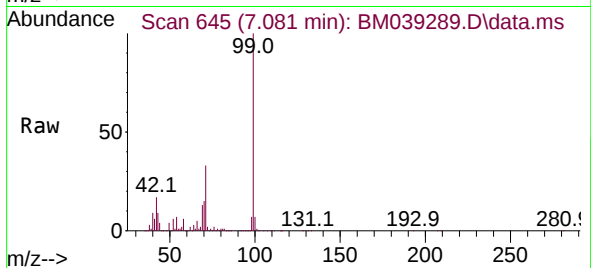




#7
Phenol-d6
Concen: 67.781 ng
RT: 7.081 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion: 99 Resp: 1204104

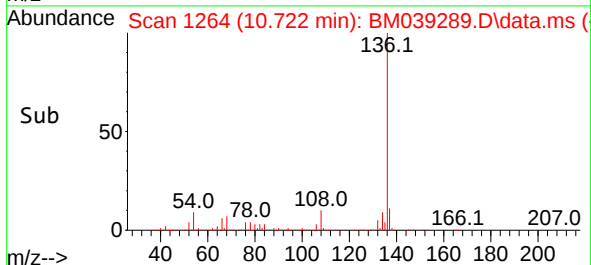
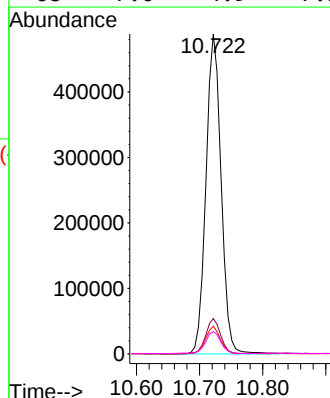
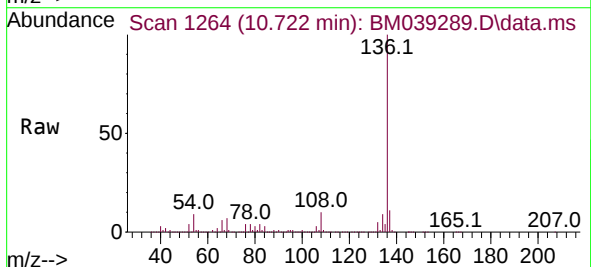
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.0	19.6
71	32.9	25.5	38.3

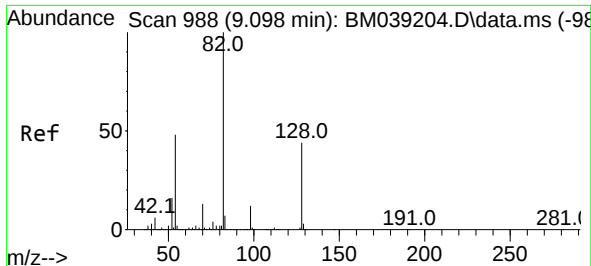


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion: 136 Resp: 812656

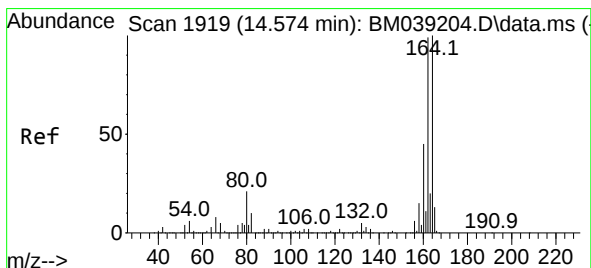
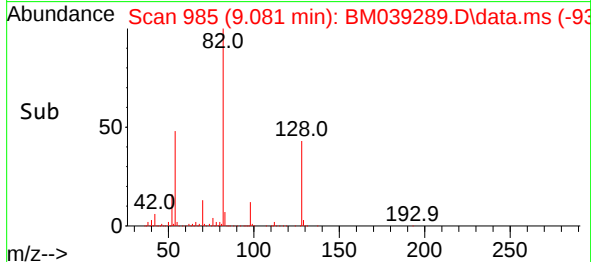
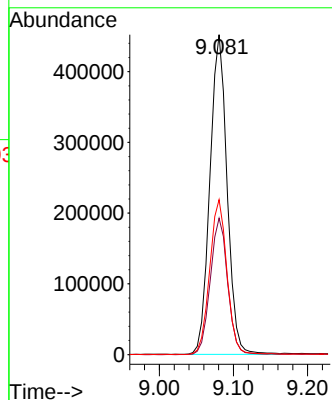
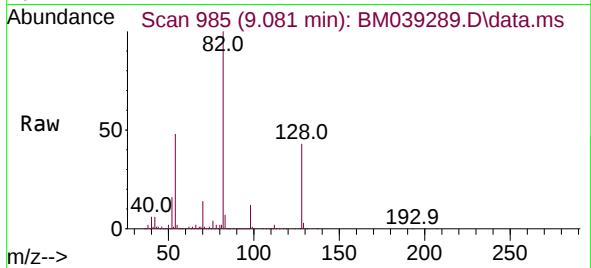
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.2	9.4
68	7.0	4.9	7.3





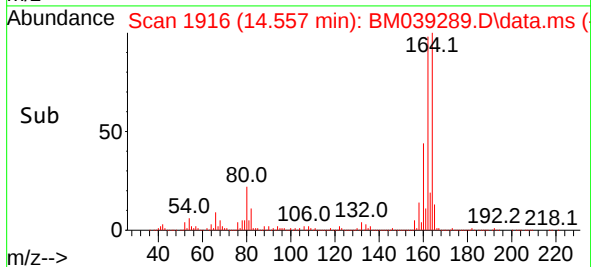
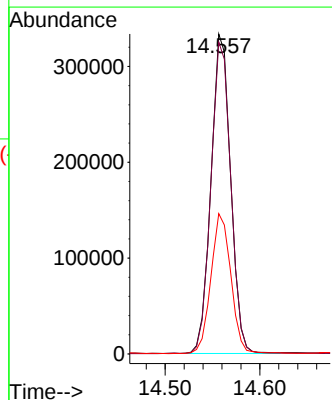
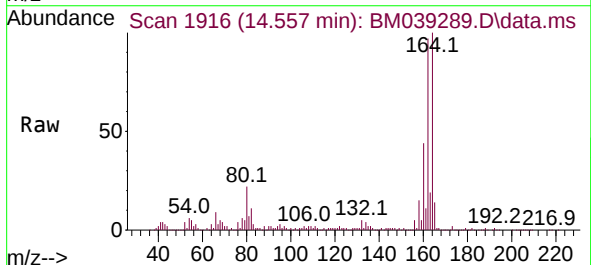
#23
Nitrobenzene-d5
Concen: 43.596 ng
RT: 9.081 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

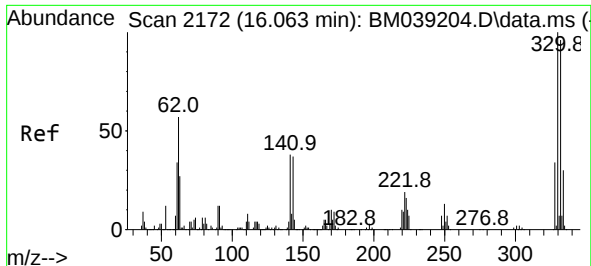
Tgt Ion: 82 Resp: 728942
Ion Ratio Lower Upper
82 100
128 42.6 35.1 52.7
54 48.5 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

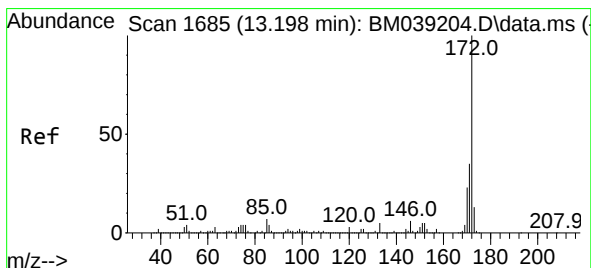
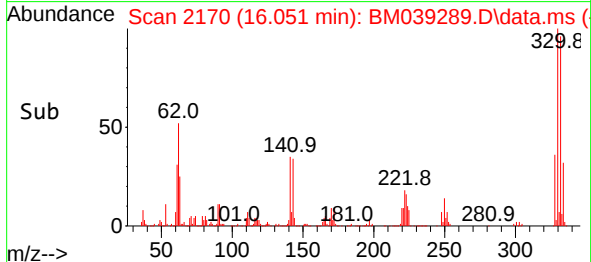
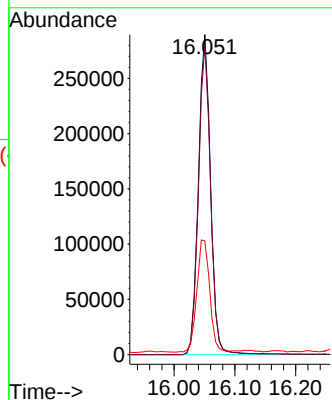
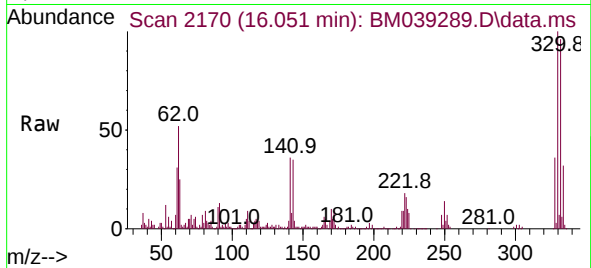
Tgt Ion: 164 Resp: 481277
Ion Ratio Lower Upper
164 100
162 97.4 79.1 118.7
160 43.8 35.8 53.8





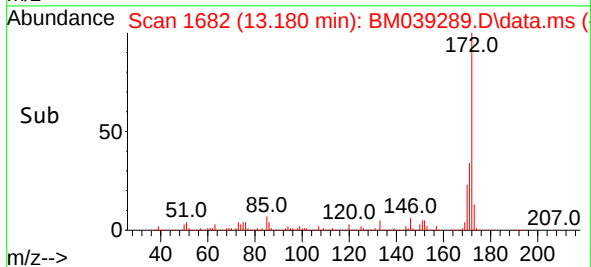
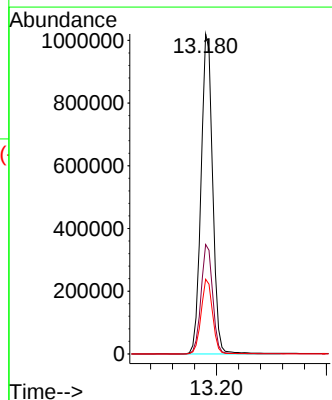
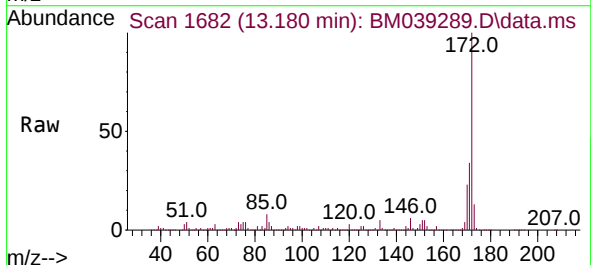
#42
2,4,6-Tribromophenol
Concen: 65.895 ng
RT: 16.051 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

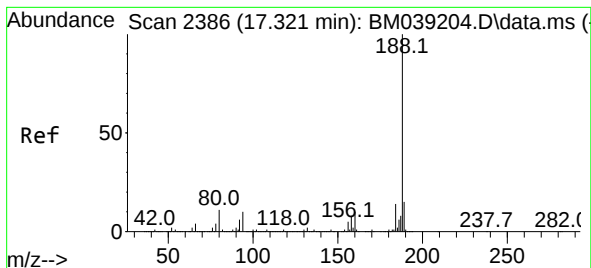
Tgt Ion:330 Resp: 402574
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.0 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 41.986 ng
RT: 13.180 min Scan# 1682
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

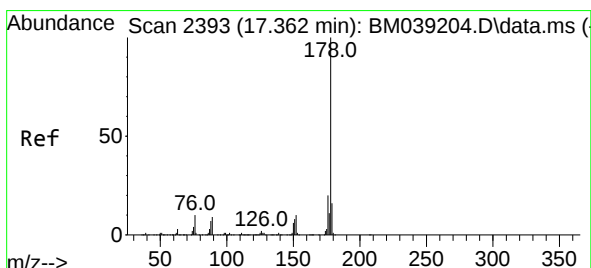
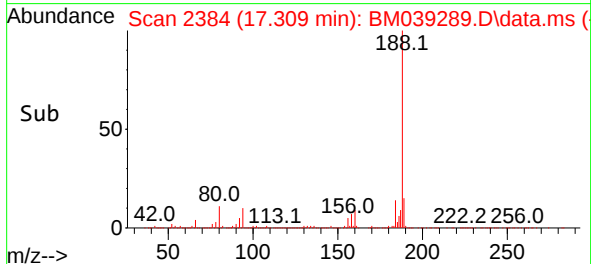
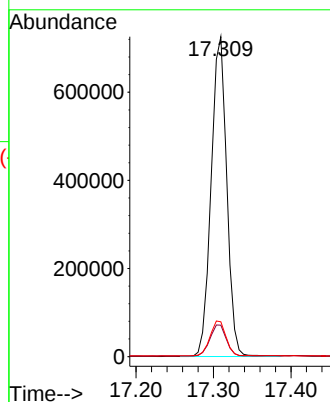
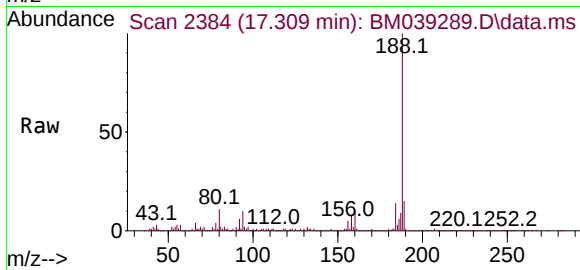
Tgt Ion:172 Resp: 1491384
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 23.3 18.7 28.1





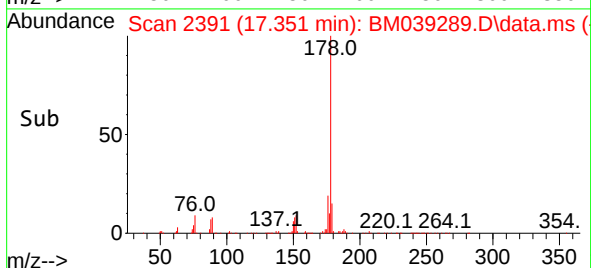
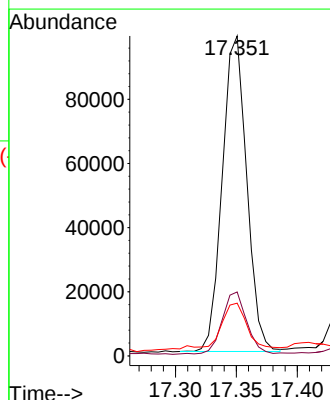
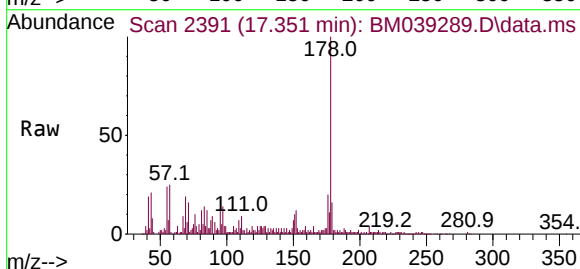
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

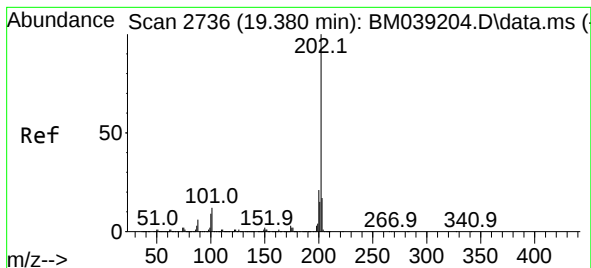
Tgt Ion:188 Resp: 1015275
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.9 8.9 13.3



#71
Phenanthrene
Concen: 2.477 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

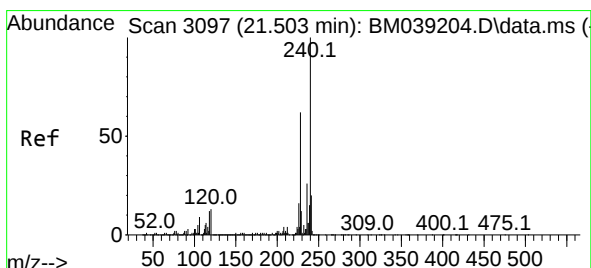
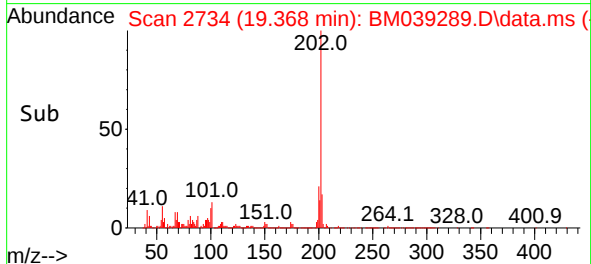
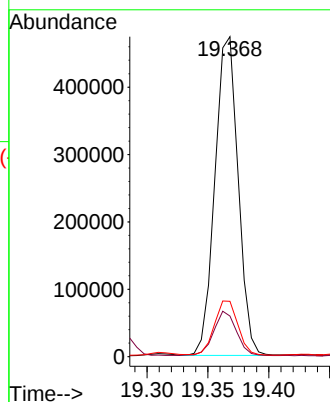
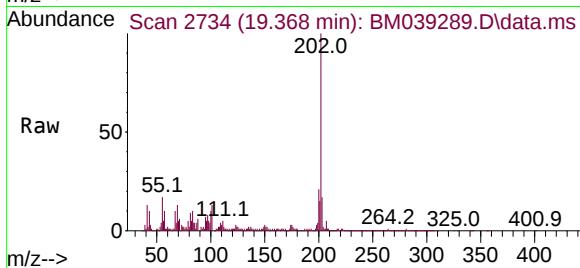
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Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 16.5 12.4 18.6





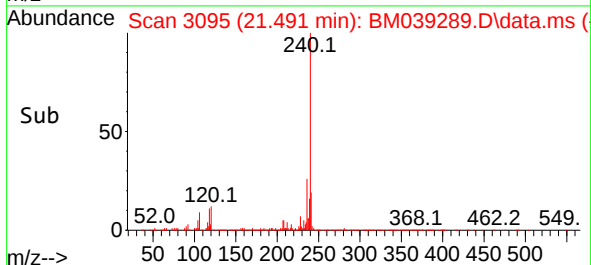
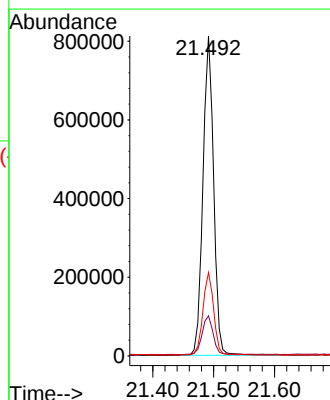
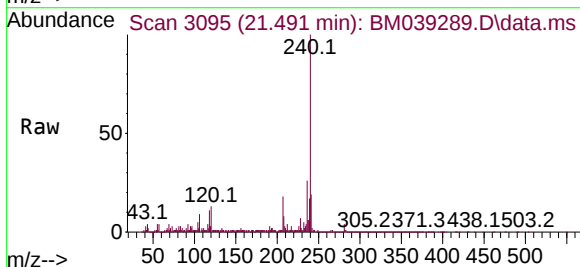
#75
Fluoranthene
Concen: 9.934 ng
RT: 19.368 min Scan# 2734
Delta R.T. -0.000 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

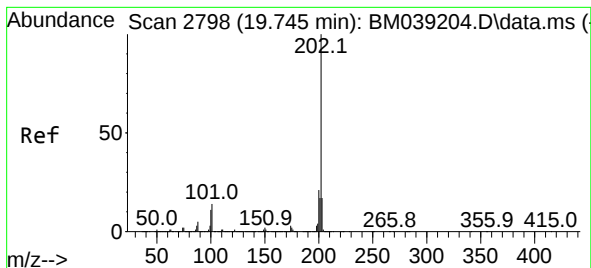
Tgt Ion:202 Resp: 629644
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.5
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.491 min Scan# 3095
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion:240 Resp: 987594
Ion Ratio Lower Upper
240 100
120 12.5 10.2 15.2
236 26.1 20.9 31.3





#78

Pyrene

Concen: 9.236 ng

RT: 19.727 min Scan# 2795

Delta R.T. -0.006 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

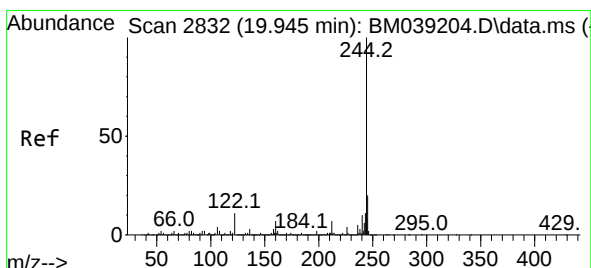
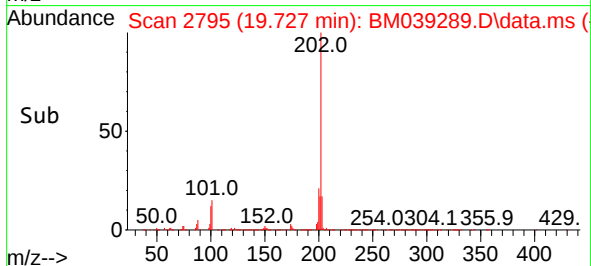
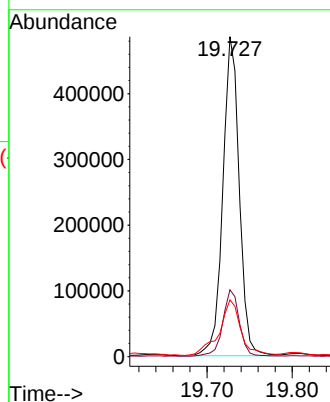
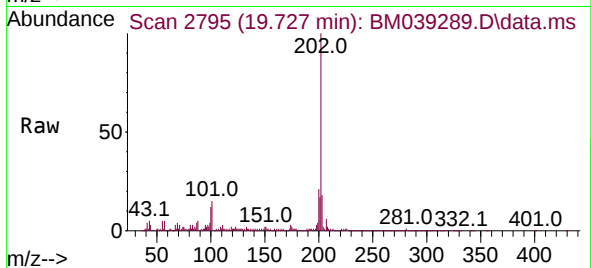
Tgt Ion:202 Resp: 649367

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 45.151 ng

RT: 19.933 min Scan# 2830

Delta R.T. -0.000 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

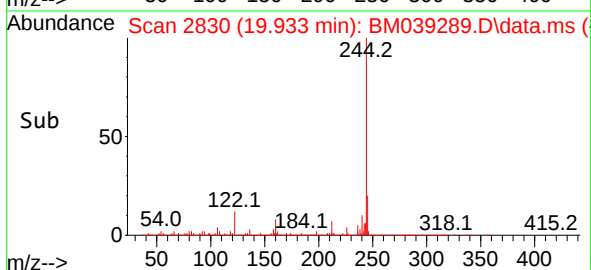
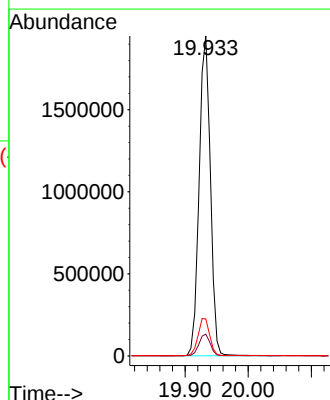
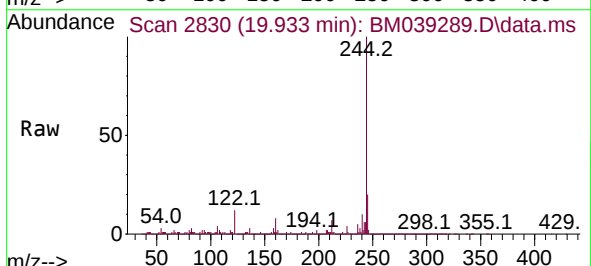
Tgt Ion:244 Resp: 2413513

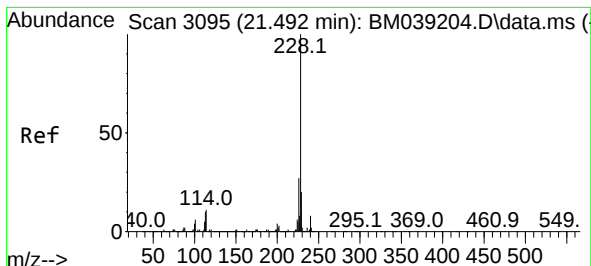
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.1 13.7





#81

Benzo(a)anthracene

Concen: 5.344 ng

RT: 21.474 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

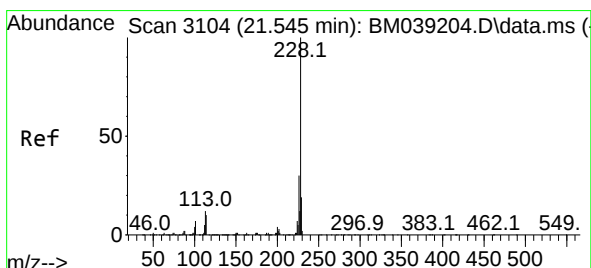
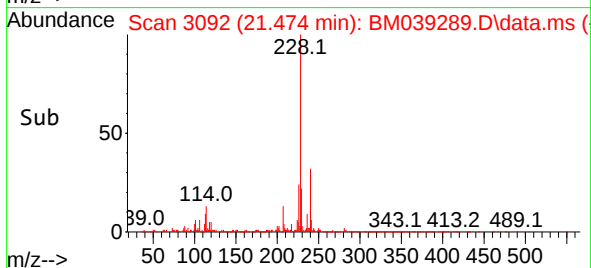
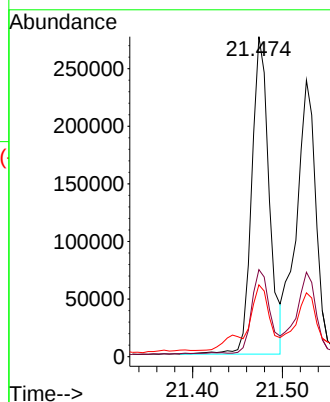
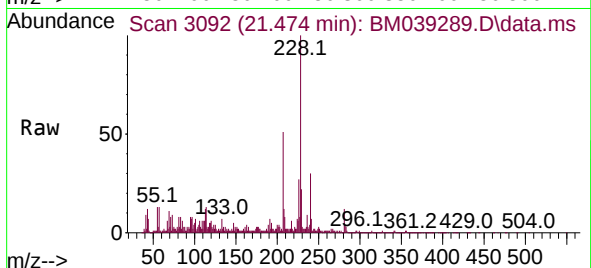
Tgt Ion:228 Resp: 372185

Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

229 22.4 15.8 23.6



#83

Chrysene

Concen: 5.346 ng

RT: 21.527 min Scan# 3101

Delta R.T. -0.006 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

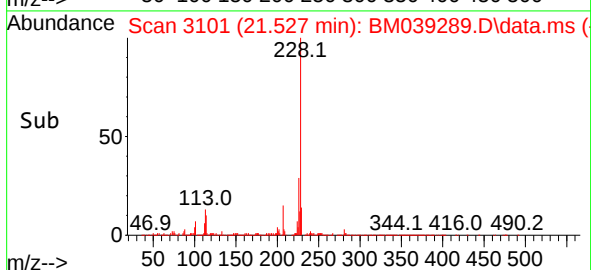
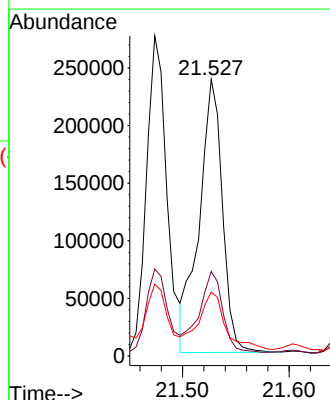
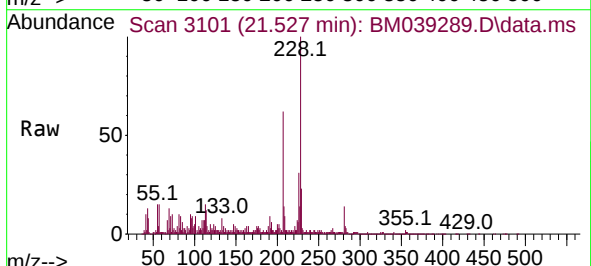
Tgt Ion:228 Resp: 359475

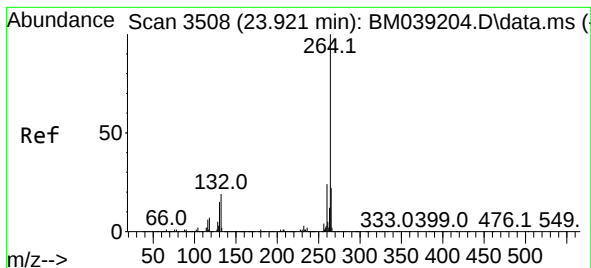
Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 23.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.903 min Scan# 3505

Delta R.T. -0.000 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

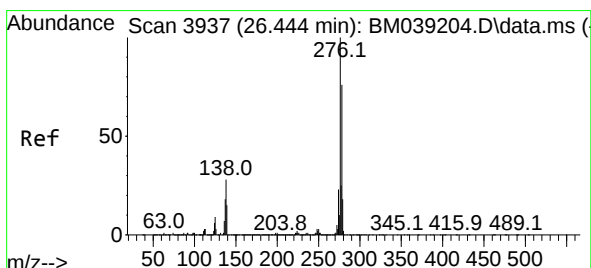
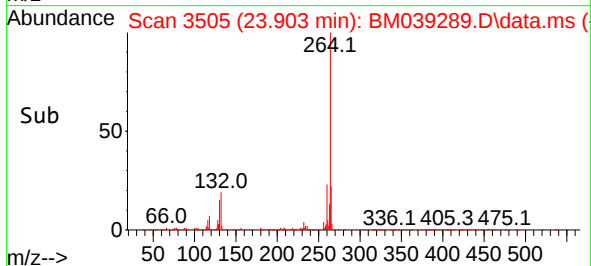
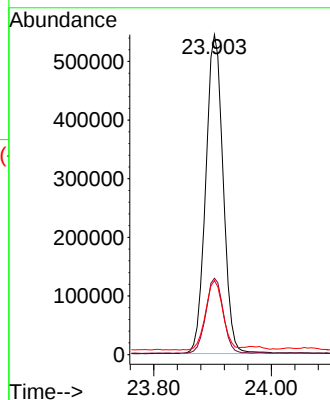
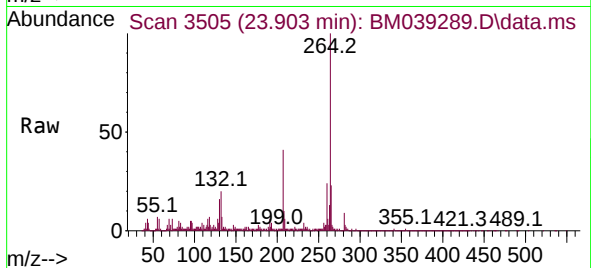
Tgt Ion:264 Resp: 1118500

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 23.1 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.432 ng

RT: 26.403 min Scan# 3930

Delta R.T. -0.012 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

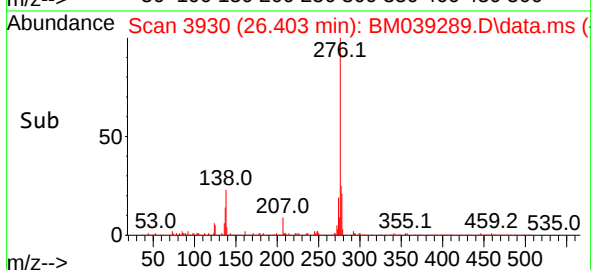
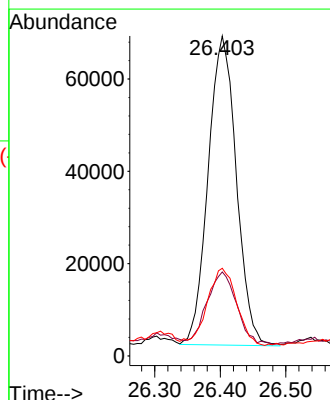
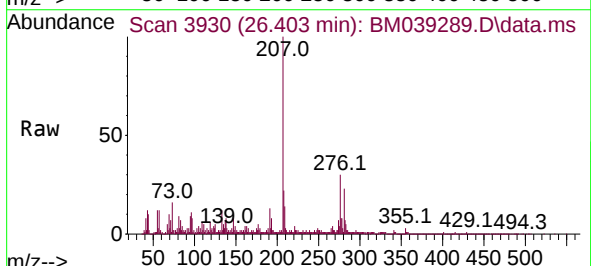
Tgt Ion:276 Resp: 200415

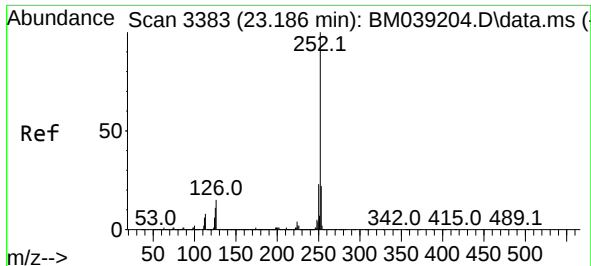
Ion Ratio Lower Upper

276 100

138 24.6 22.2 33.2

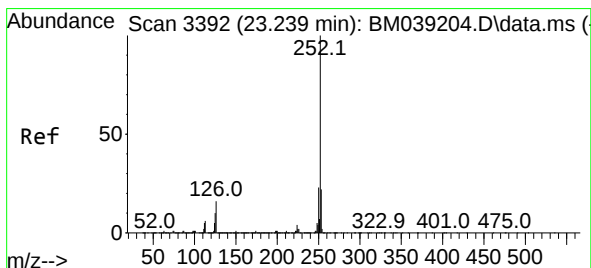
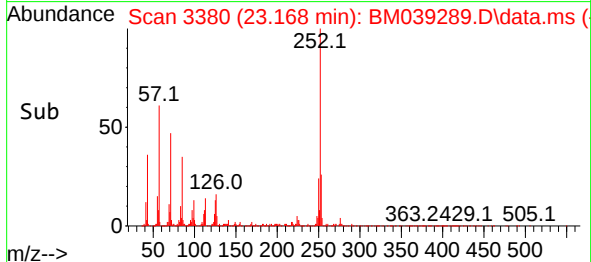
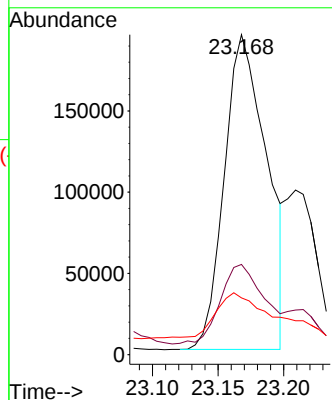
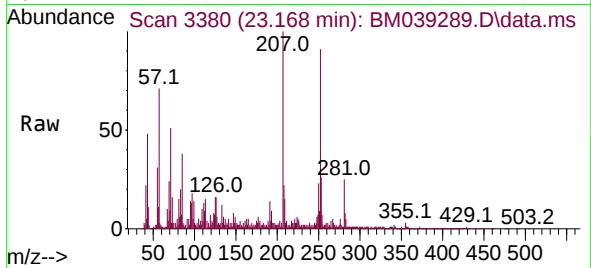
277 26.1 20.2 30.2





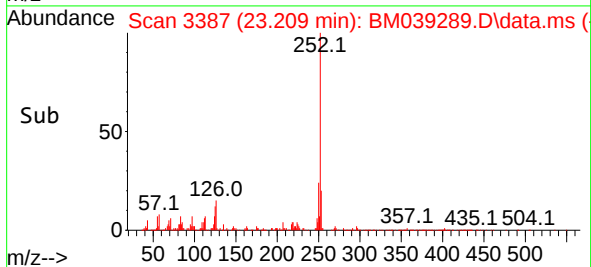
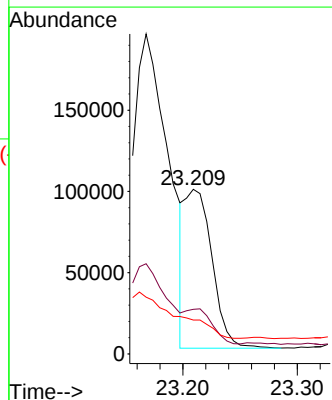
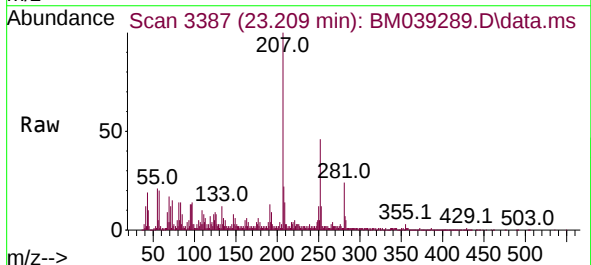
#88
Benzo(b)fluoranthene
Concen: 6.382 ng
RT: 23.168 min Scan# 3380
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

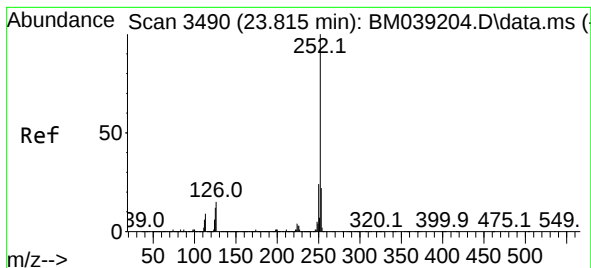
Tgt Ion:252 Resp: 436801
Ion Ratio Lower Upper
252 100
253 28.2 17.6 26.4#
125 17.7 9.0 13.6#



#89
Benzo(k)fluoranthene
Concen: 2.314 ng m
RT: 23.209 min Scan# 3387
Delta R.T. -0.012 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

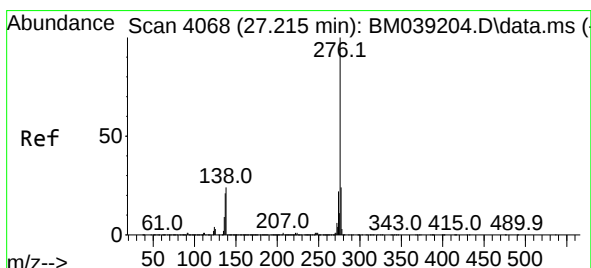
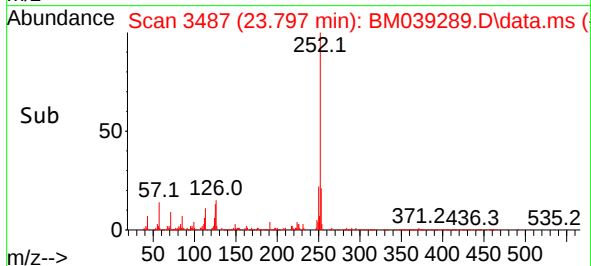
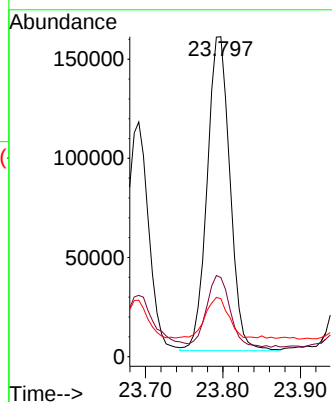
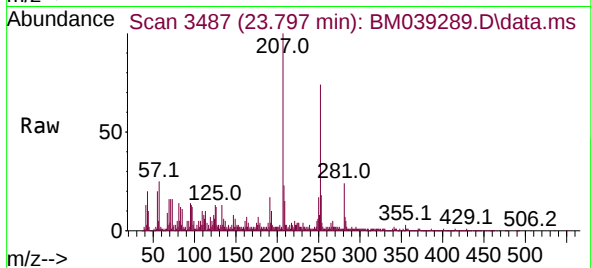
Tgt Ion:252 Resp: 161345
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.8#
125 20.6 8.5 12.7#





#90
Benzo(a)pyrene
Concen: 4.822 ng
RT: 23.797 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion:252 Resp: 324160
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 18.1 9.8 14.6#



#92
Benzo(g,h,i)perylene
Concen: 3.117 ng
RT: 27.179 min Scan# 4062
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion:276 Resp: 212116
Ion Ratio Lower Upper
276 100
277 25.7 19.1 28.7
138 26.6 19.5 29.3

