

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

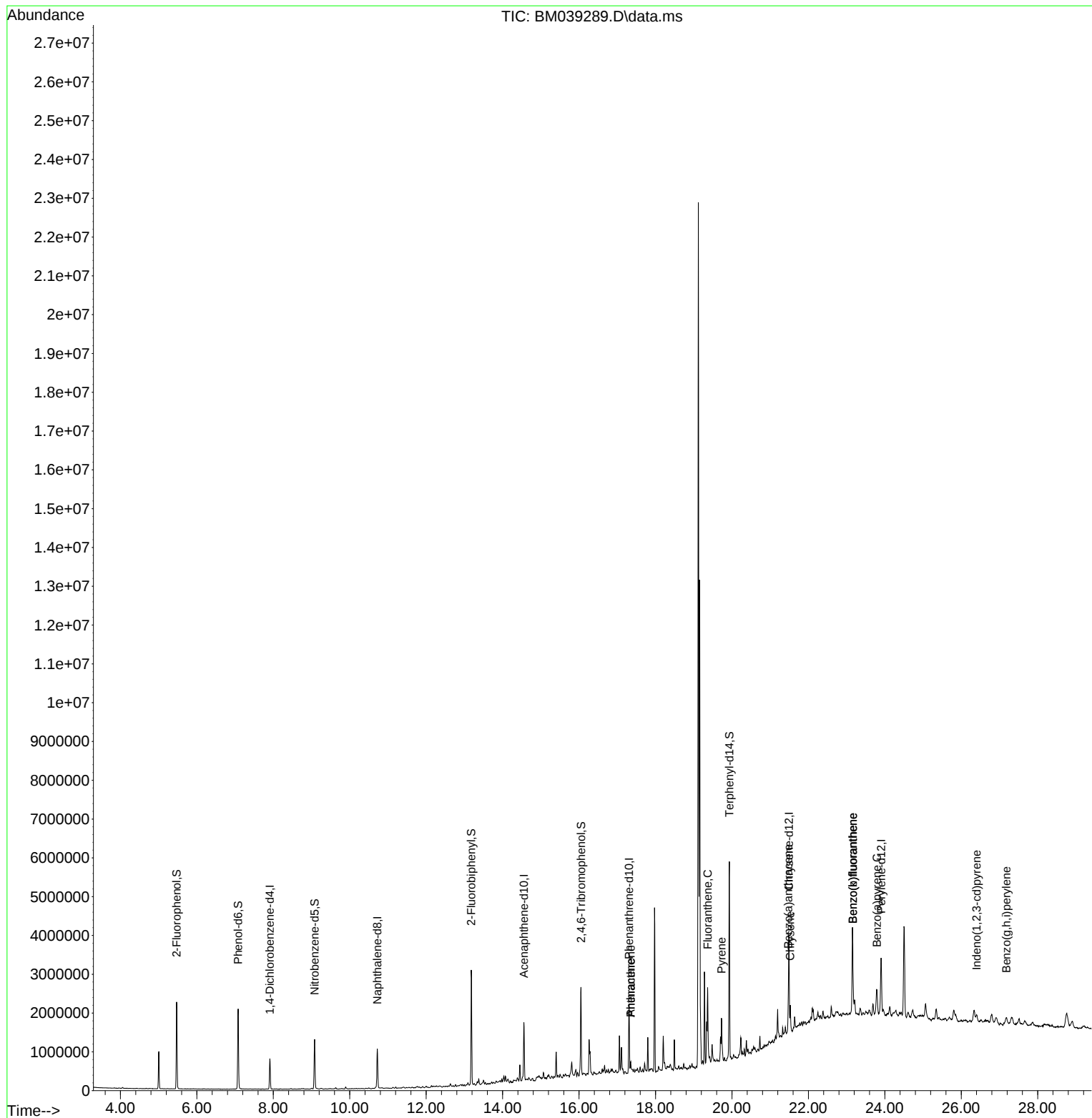
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

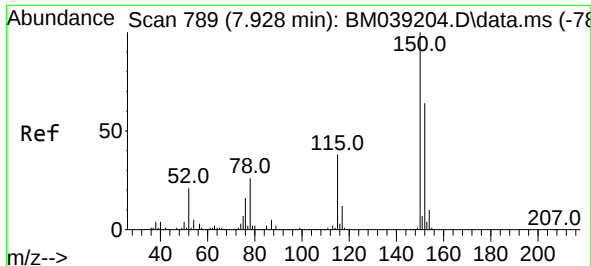
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	206927	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	812656	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	481277	20.000	ng	0.00
64) Phenanthrene-d10	17.309	188	1015275	20.000	ng	0.00
76) Chrysene-d12	21.491	240	987594	20.000	ng	0.00
86) Perylene-d12	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
72) Anthracene	17.351	178	137756	2.430	ng	97
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	23.168	252	436801	6.266	ng	# 86
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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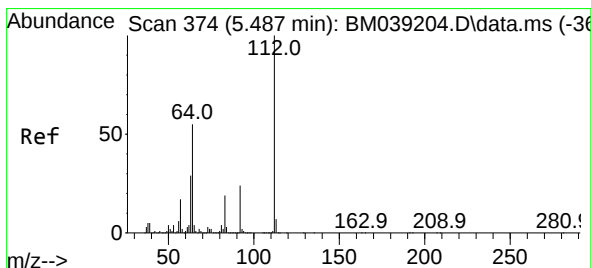
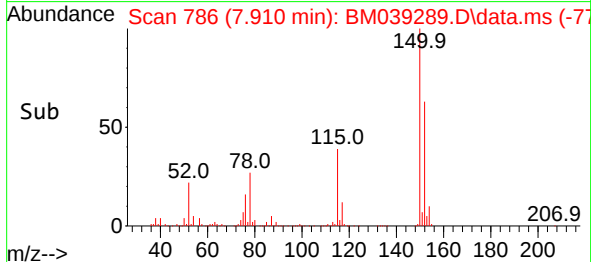
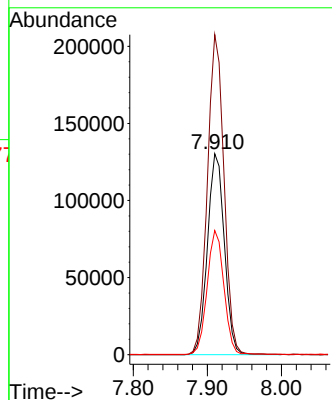
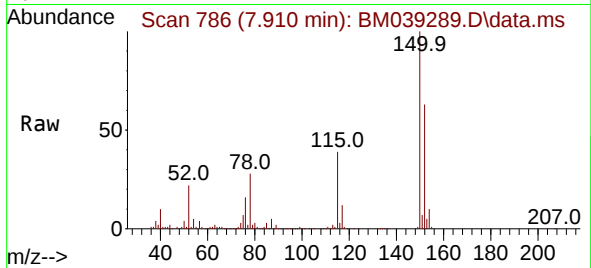
Quant Time: Apr 04 02:30:06 2023
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Response via : Initial Calibration





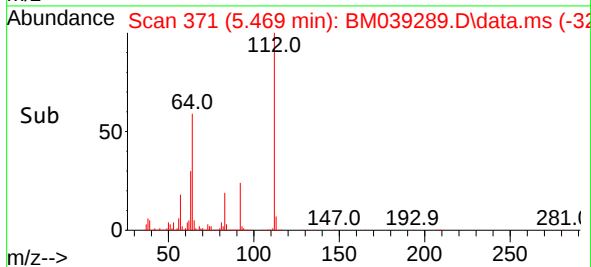
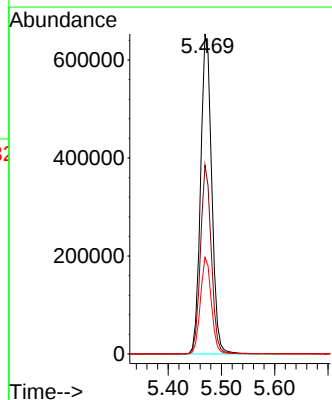
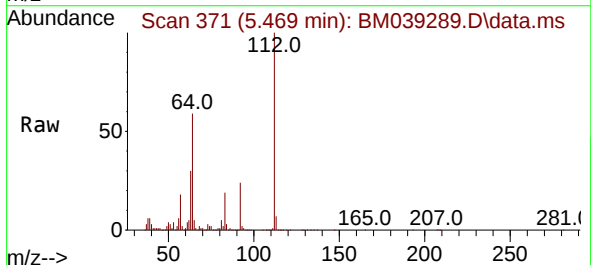
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 786
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

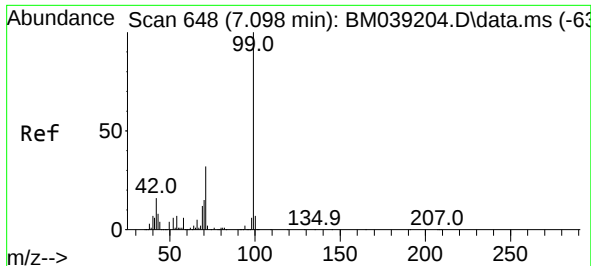
Tgt Ion:152 Resp: 206927
Ion Ratio Lower Upper
152 100
150 159.2 125.5 188.3
115 61.8 48.1 72.1



#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

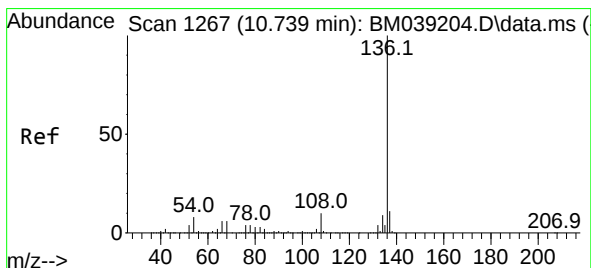
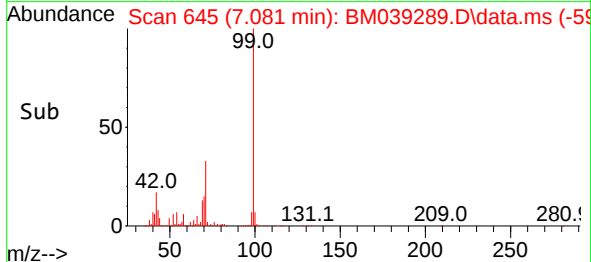
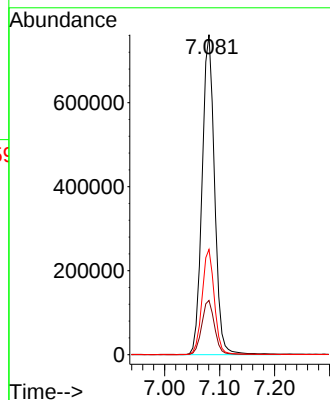
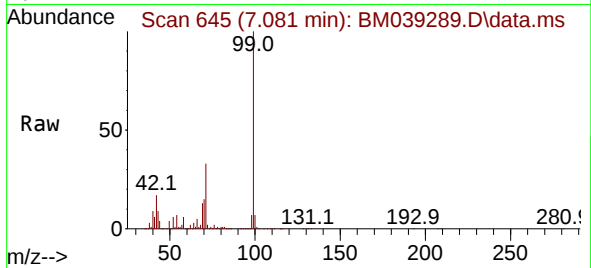




#7
Phenol-d6
Concen: 67.781 ng
RT: 7.081 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion: 99 Resp: 1204104

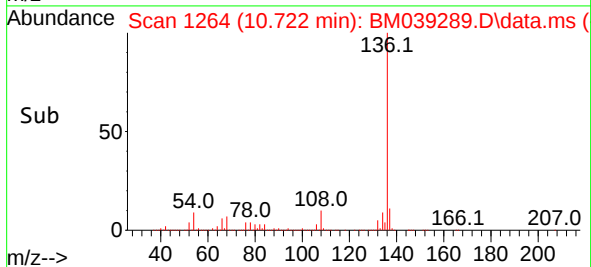
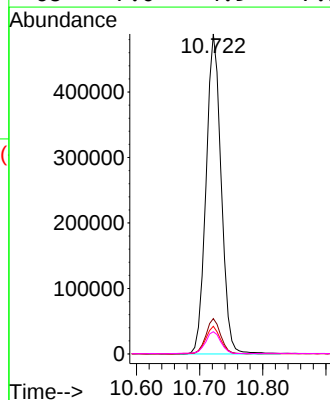
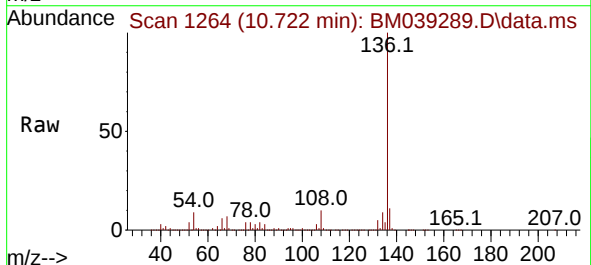
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.0	19.6
71	32.9	25.5	38.3

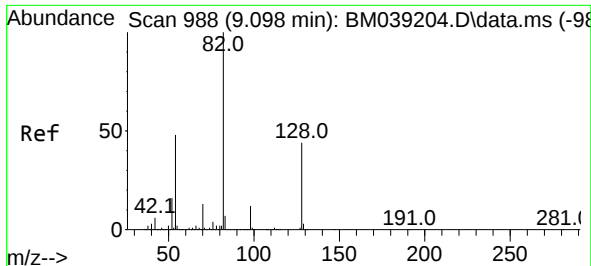


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

Tgt Ion: 136 Resp: 812656

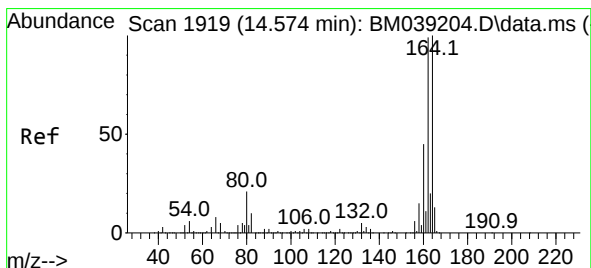
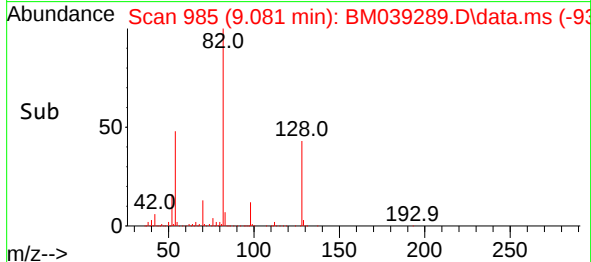
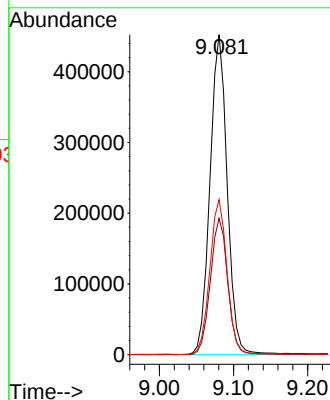
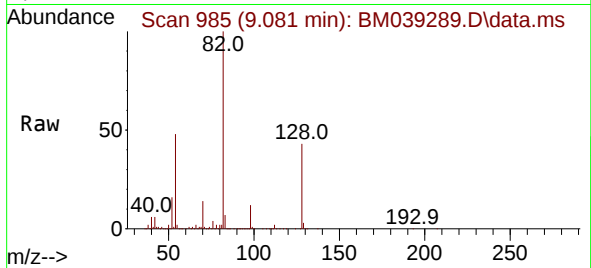
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.2	9.4
68	7.0	4.9	7.3





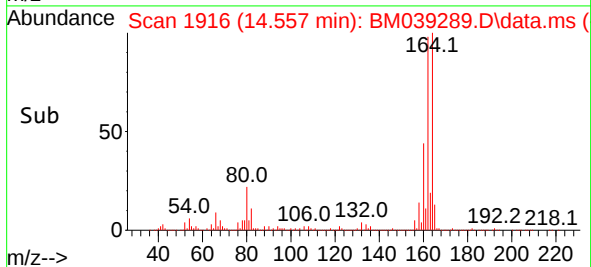
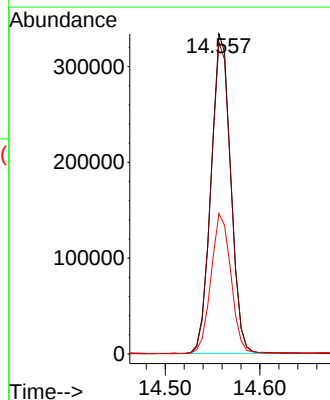
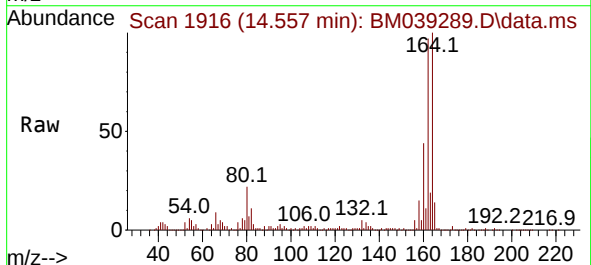
#23
Nitrobenzene-d5
Concen: 43.596 ng
RT: 9.081 min Scan# 985
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

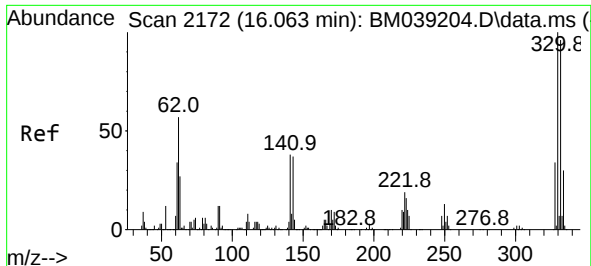
Tgt Ion: 82 Resp: 728942
Ion Ratio Lower Upper
82 100
128 42.6 35.1 52.7
54 48.5 38.5 57.7



#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

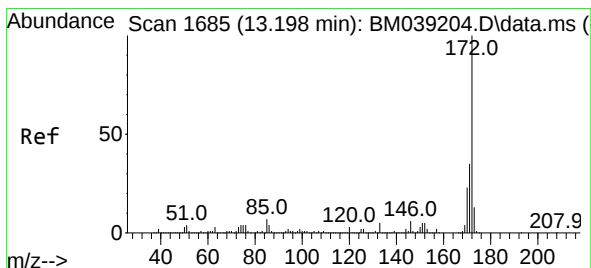
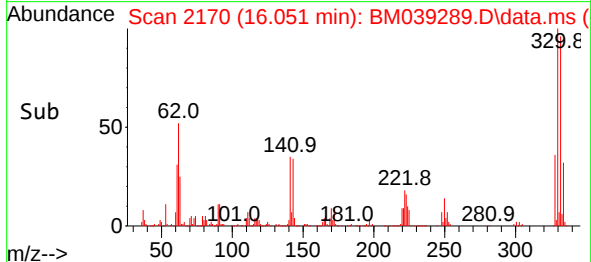
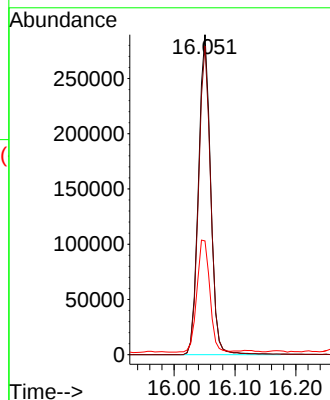
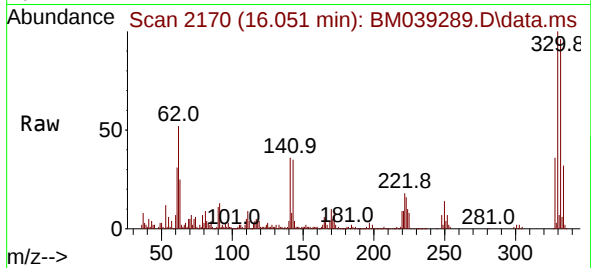
Tgt Ion: 164 Resp: 481277
Ion Ratio Lower Upper
164 100
162 97.4 79.1 118.7
160 43.8 35.8 53.8





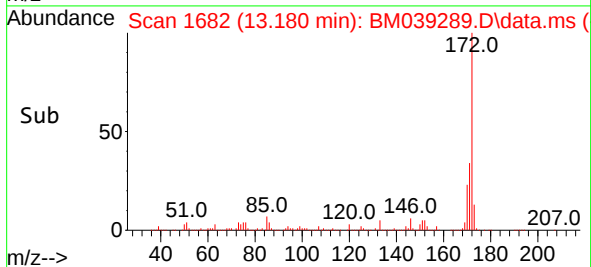
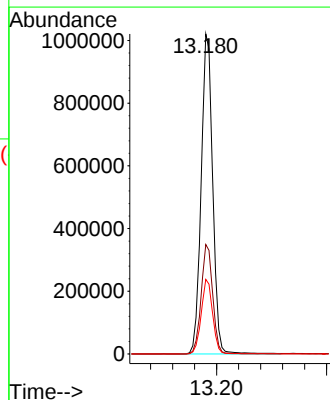
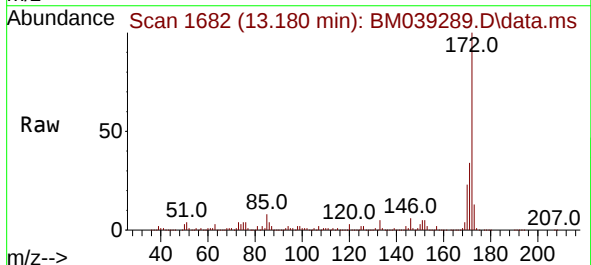
#42
2,4,6-Tribromophenol
Concen: 65.895 ng
RT: 16.051 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

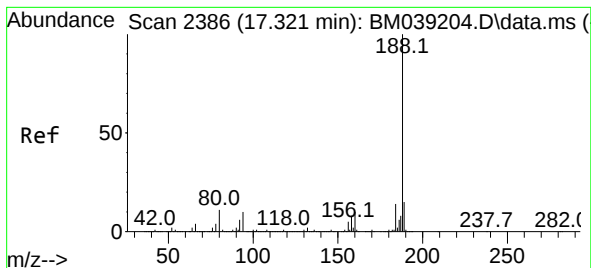
Tgt Ion:330 Resp: 402574
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 37.0 29.8 44.6



#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

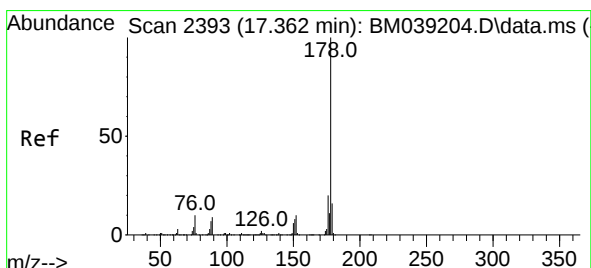
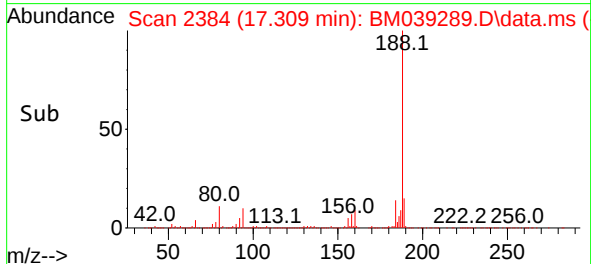
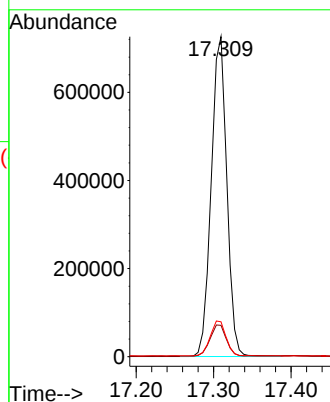
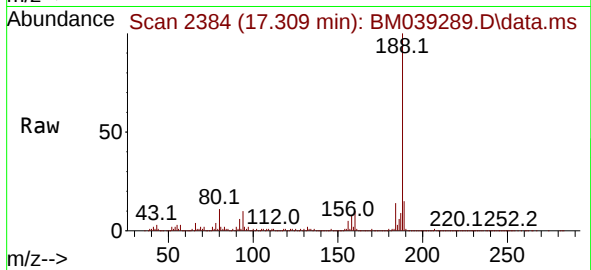
Tgt Ion:172 Resp: 1491384
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 23.3 18.7 28.1





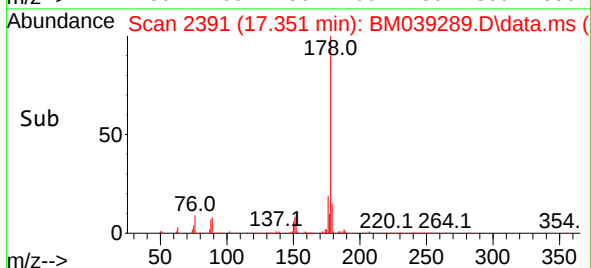
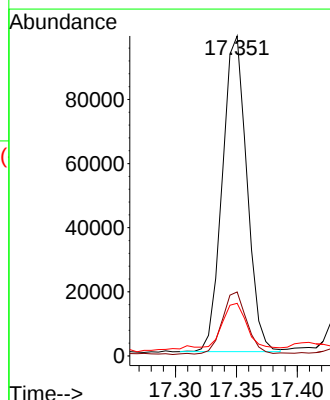
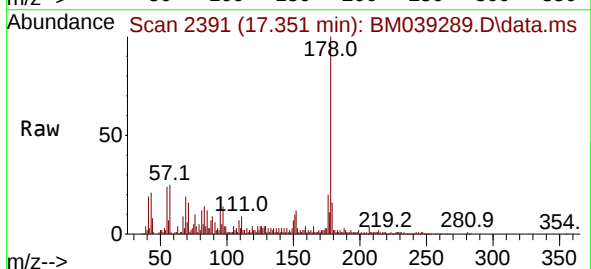
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

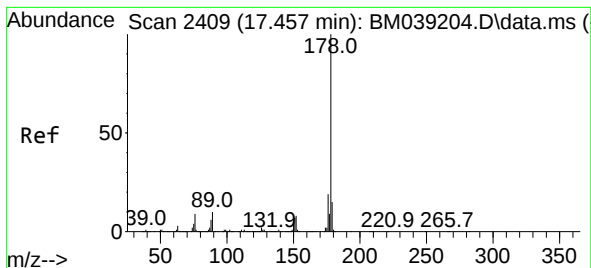
Tgt Ion:188 Resp: 1015275
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 10.9 8.9 13.3



#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

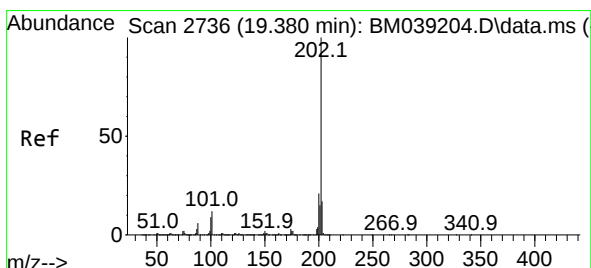
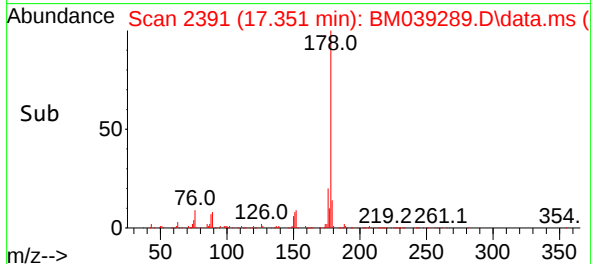
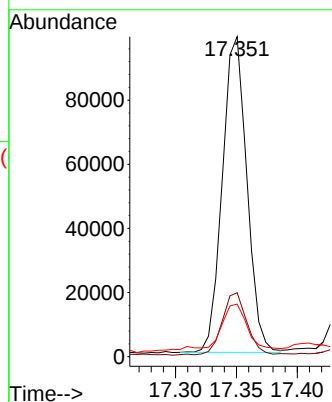
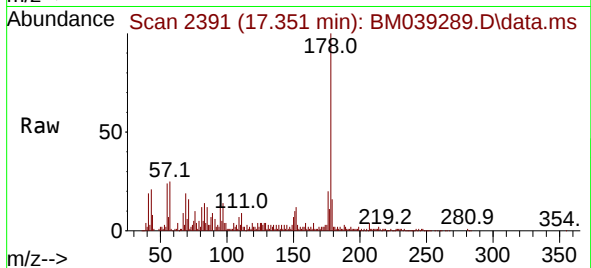
Tgt Ion:178 Resp: 137756
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 16.5 12.4 18.6





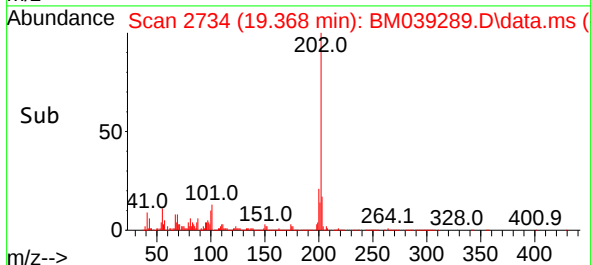
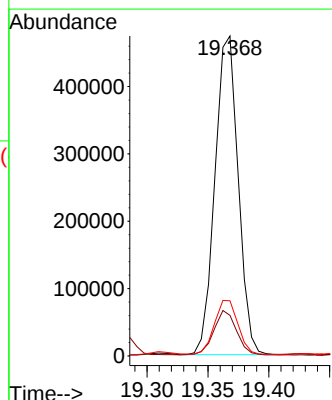
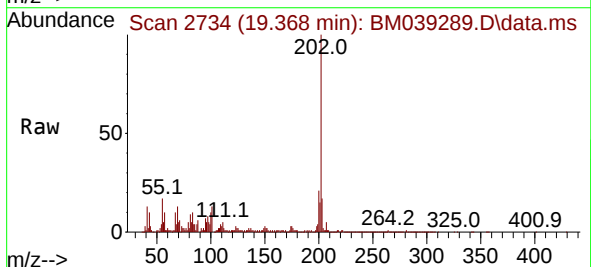
#72
 Anthracene
 Concen: 2.430 ng
 RT: 17.351 min Scan# 2391
 Delta R.T. -0.095 min
 Lab File: BM039289.D
 Acq: 03 Apr 2023 21:18

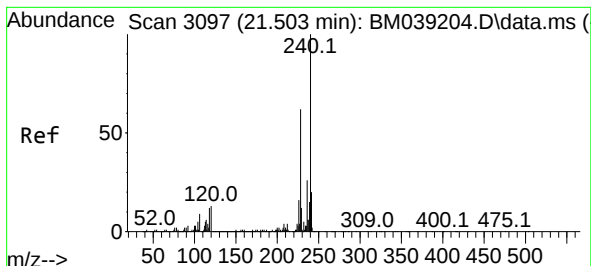
Tgt Ion:178 Resp: 137756
 Ion Ratio Lower Upper
 178 100
 176 20.0 14.9 22.3
 179 16.5 12.2 18.2



#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

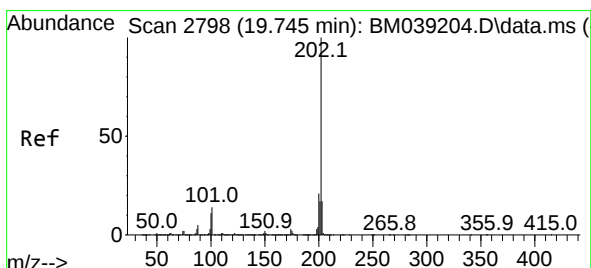
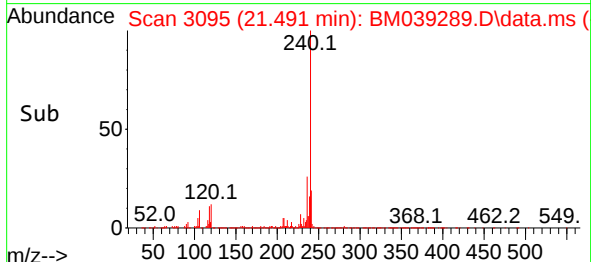
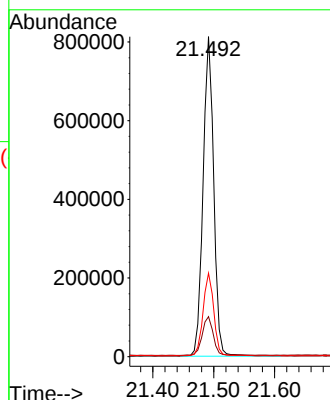
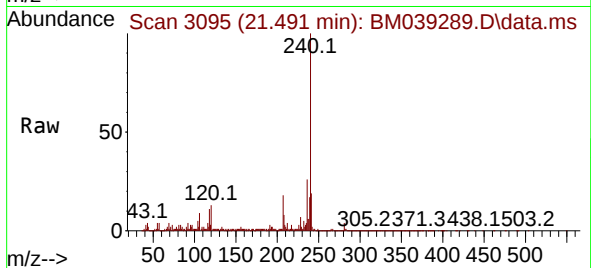
RT: 21.491 min Scan# 3095

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

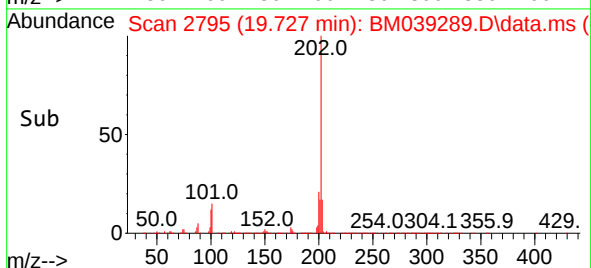
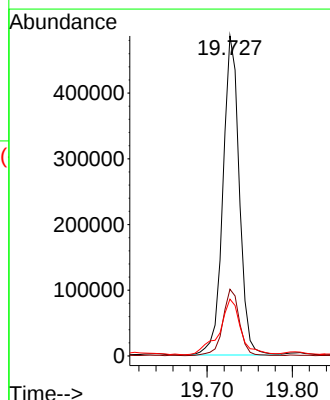
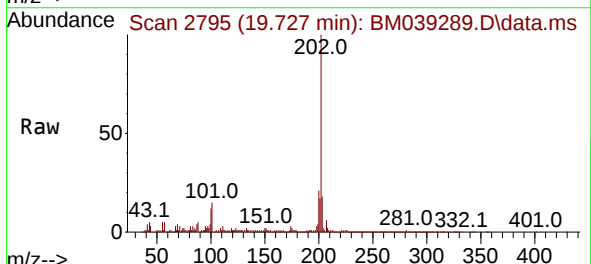
RT: 19.727 min Scan# 2795

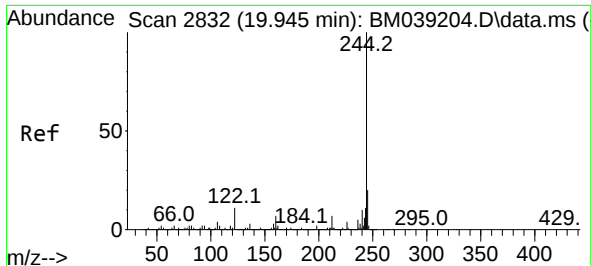
Delta R.T. -0.006 min

Lab File: BM039289.D

Acq: 03 Apr 2023 21:18

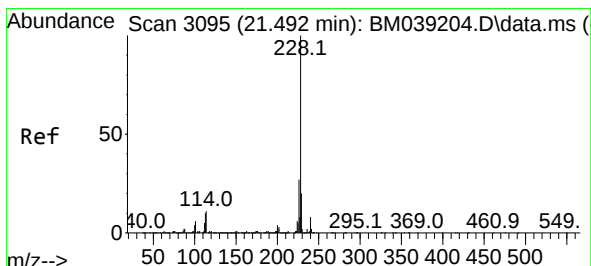
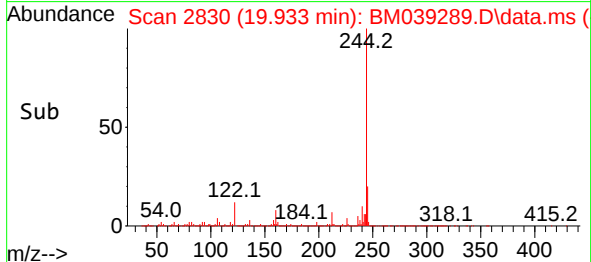
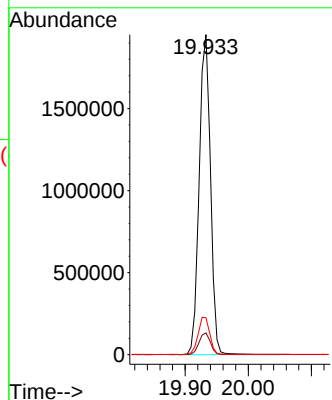
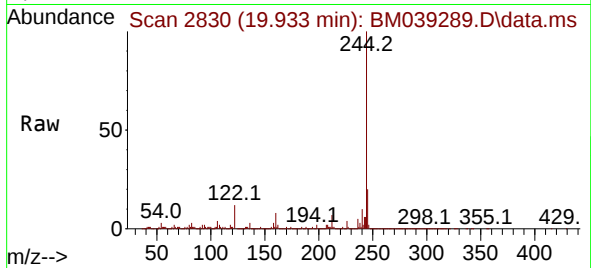
Tgt Ion:202	Resp: 649367
Ion Ratio	Lower Upper
202 100	
200 20.9	17.1 25.7
203 17.7	13.9 20.9





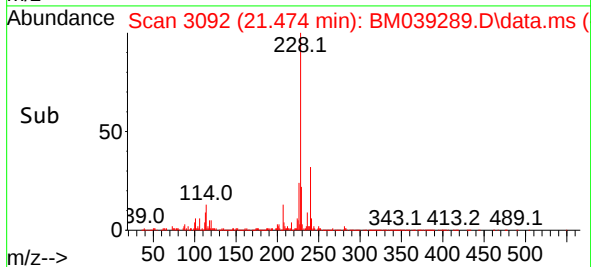
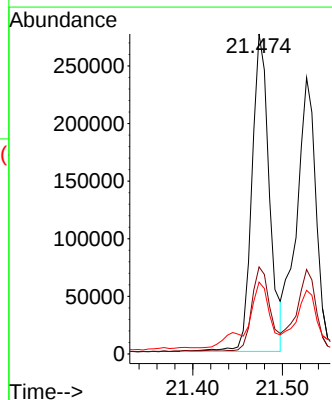
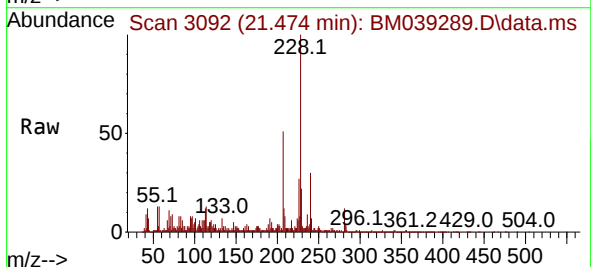
#79
 Terphenyl-d14
 Concen: 45.151 ng
 RT: 19.933 min Scan# 2830
 Delta R.T. -0.000 min
 Lab File: BM039289.D
 Acq: 03 Apr 2023 21:18

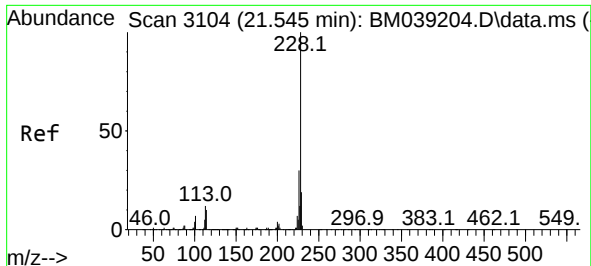
Tgt Ion:244 Resp: 2413513
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.6 9.1 13.7



#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

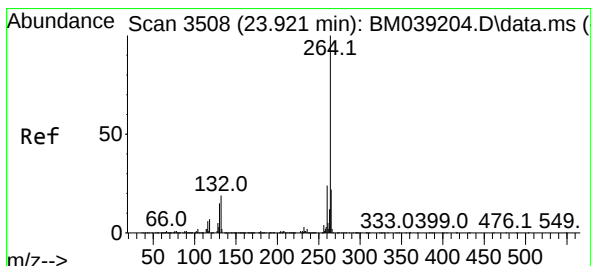
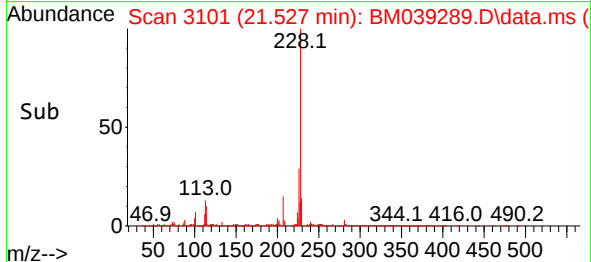
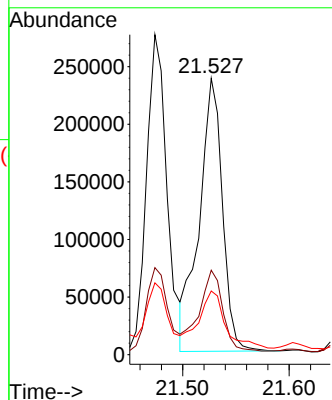
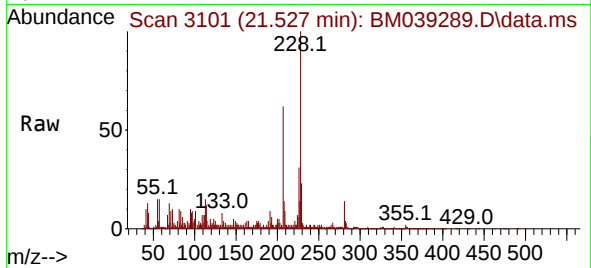
Tgt Ion:228 Resp: 372185
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.9 32.9
 229 22.4 15.8 23.6





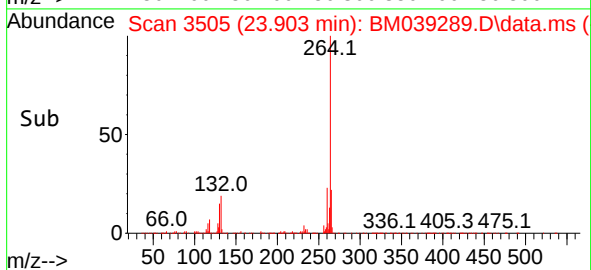
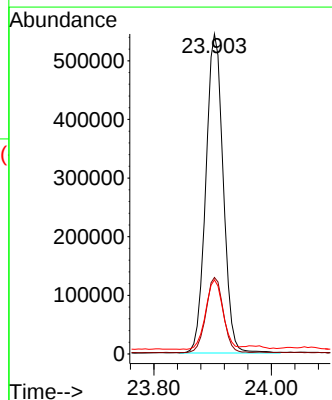
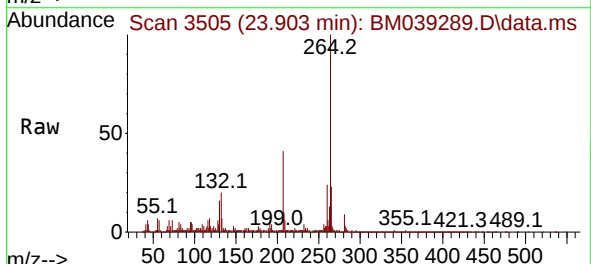
#83
Chrysene
Concen: 5.346 ng
RT: 21.527 min Scan# 3101
Delta R.T. -0.006 min
Lab File: BM039289.D
Acq: 03 Apr 2023 21:18

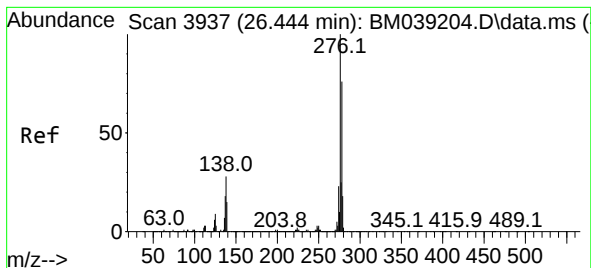
Tgt Ion:228 Resp: 359475
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 23.1 15.5 23.3



#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

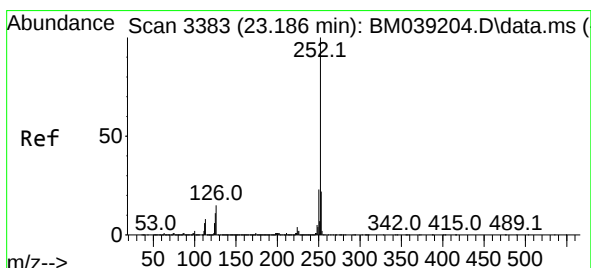
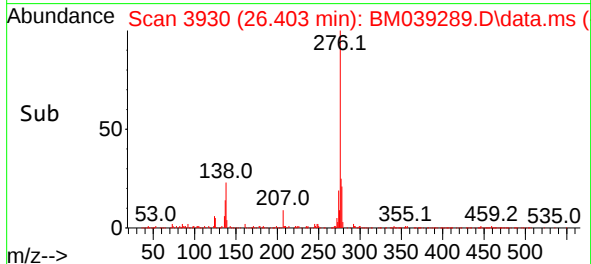
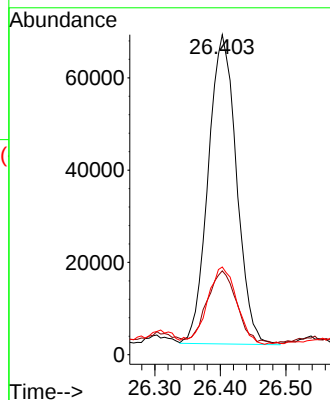
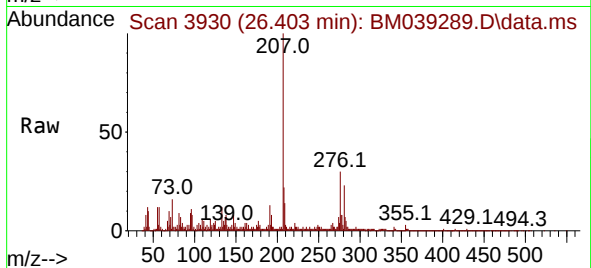
RT: 26.403 min Scan# 3930

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

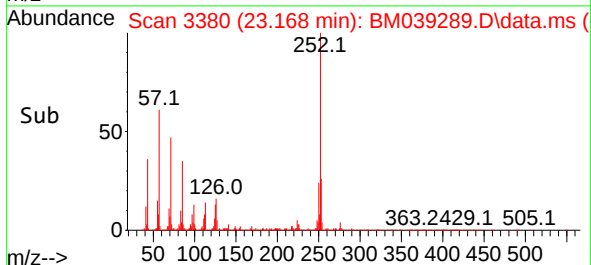
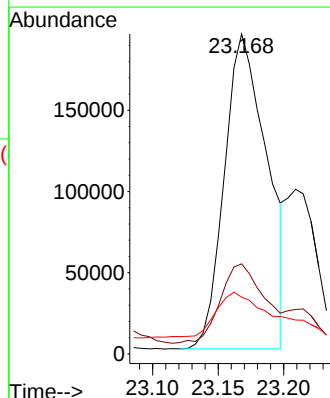
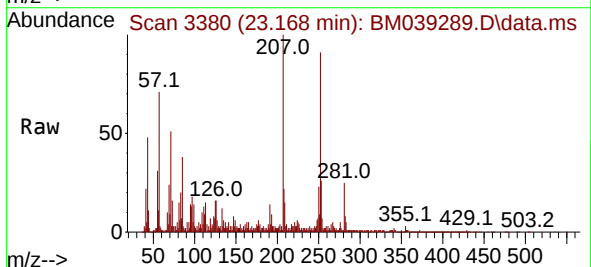
RT: 23.168 min Scan# 3380

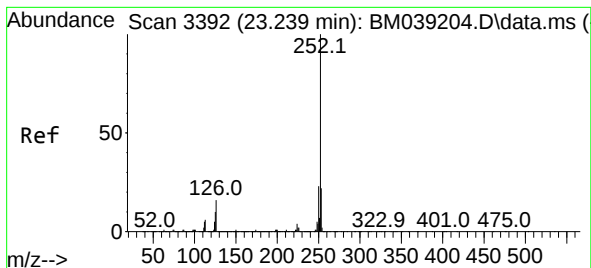
Delta R.T. -0.006 min

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: 6.266 ng

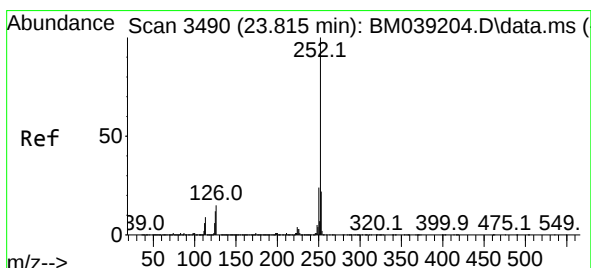
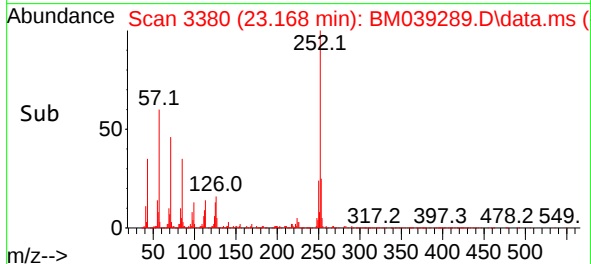
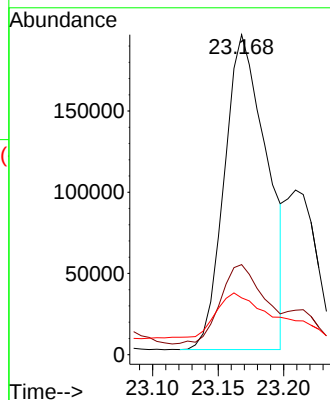
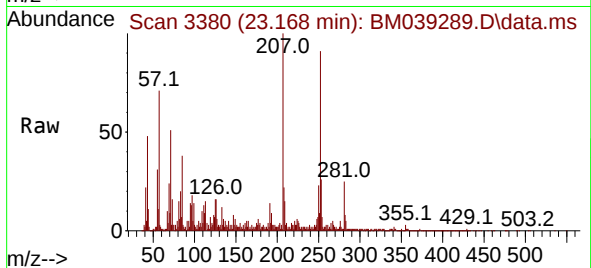
RT: 23.168 min Scan# 3380

Delta R.T. -0.053 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 17.8 26.8#
 125 17.7 8.5 12.7#



#90

Benzo(a)pyrene

Concen: 4.822 ng

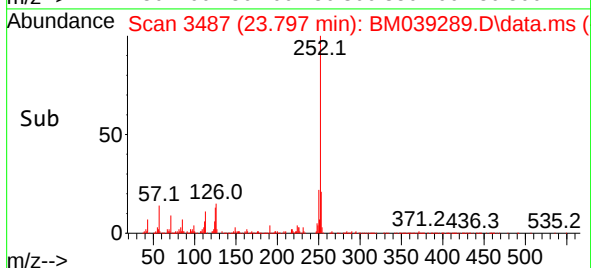
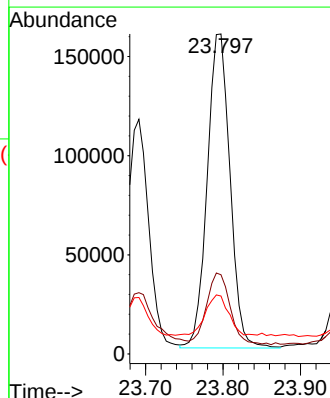
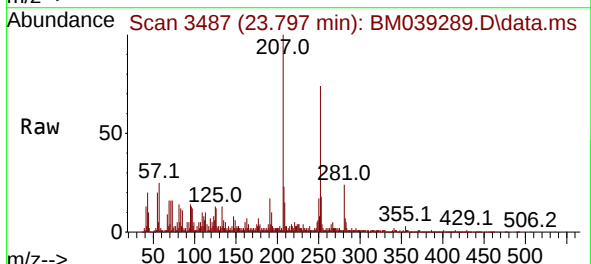
RT: 23.797 min Scan# 3487

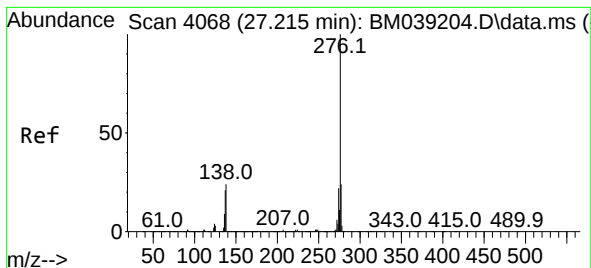
Delta R.T. -0.000 min

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

