

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040323\
 Data File : BM039290.D
 Acq On : 03 Apr 2023 21:55
 Operator : CG/JU
 Sample : 02162-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 04 02:30:23 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

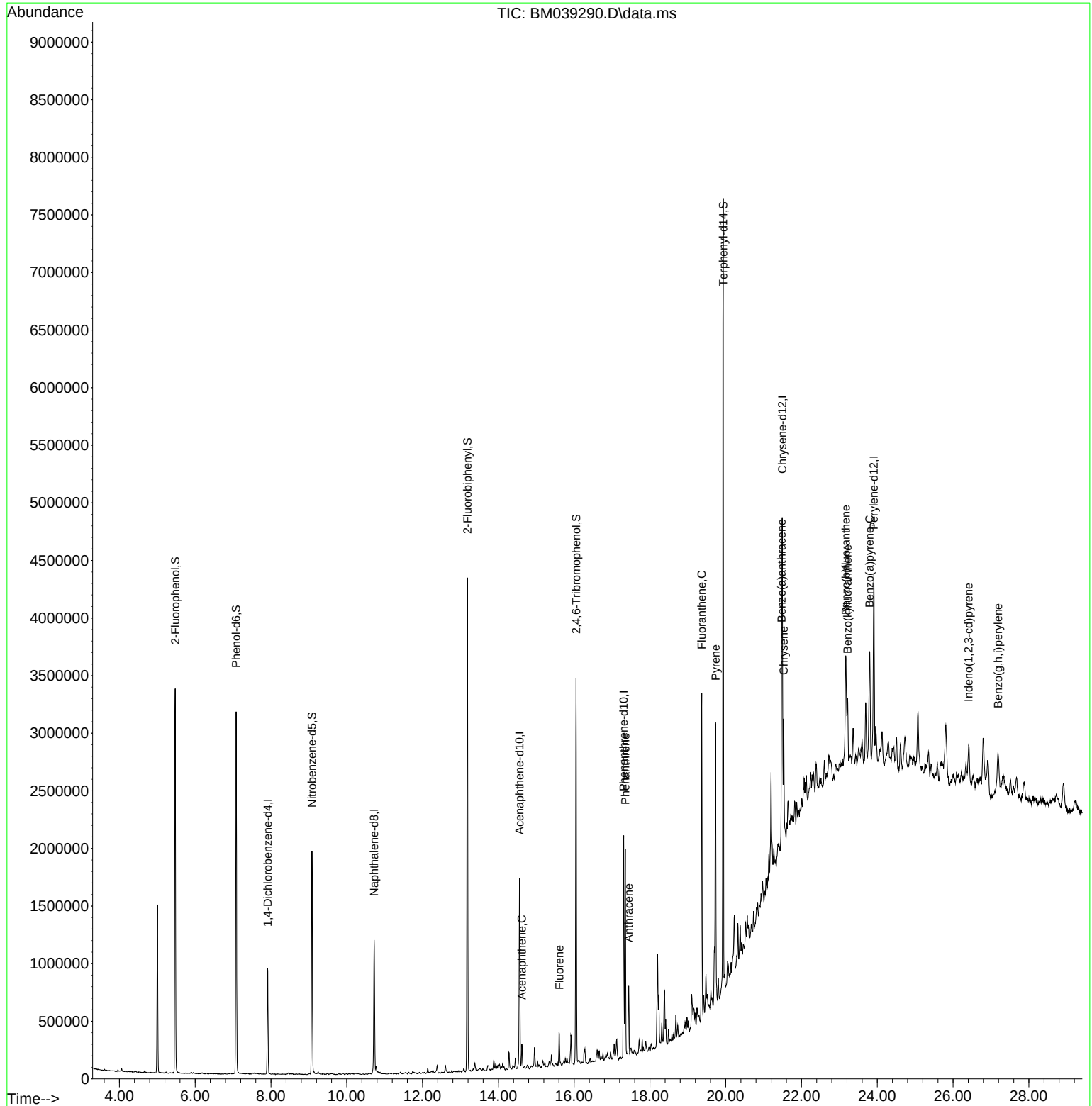
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

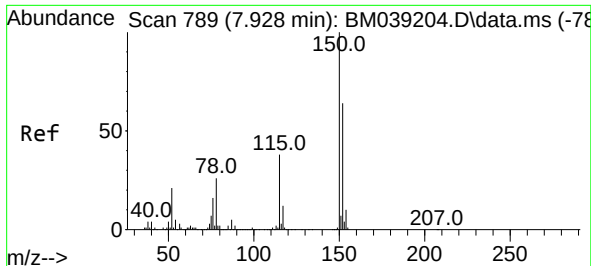
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	247863	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	971959	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	553966	20.000	ng	0.00
64) Phenanthrene-d10	17.309	188	1123660	20.000	ng	0.00
76) Chrysene-d12	21.492	240	1072297	20.000	ng	0.00
86) Perylene-d12	23.909	264	1218198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1452774	88.305	ng	0.00
7) Phenol-d6	7.081	99	1824964	85.763	ng	0.00
23) Nitrobenzene-d5	9.081	82	1103009	55.156	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	574205	81.655	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	2218413	54.259	ng	0.00
79) Terphenyl-d14	19.933	244	3136111	54.035	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.621	154	67746	2.108	ng	98
58) Fluorene	15.610	166	125978	3.074	ng	99
71) Phenanthrene	17.351	178	1016763	16.522	ng	99
72) Anthracene	17.439	178	355770	5.669	ng	99
75) Fluoranthene	19.368	202	1566212	22.326	ng	99
78) Pyrene	19.733	202	1472058	19.284	ng	99
81) Benzo(a)anthracene	21.474	228	699474	9.249	ng	97
83) Chrysene	21.533	228	630819m	8.641	ng	
87) Indeno(1,2,3-cd)pyrene	26.409	276	394101	4.391	ng	96
88) Benzo(b)fluoranthene	23.174	252	778652	10.446	ng	# 89
89) Benzo(k)fluoranthene	23.215	252	257900m	3.397	ng	
90) Benzo(a)pyrene	23.797	252	622795	8.505	ng	# 94
92) Benzo(g,h,i)perylene	27.185	276	408255	5.508	ng	95

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

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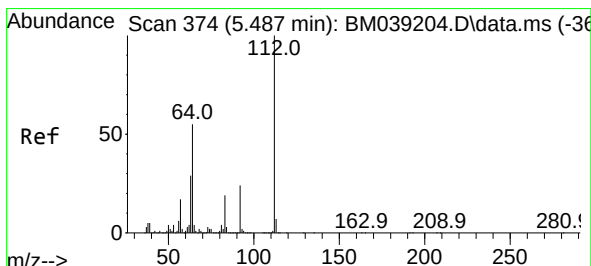
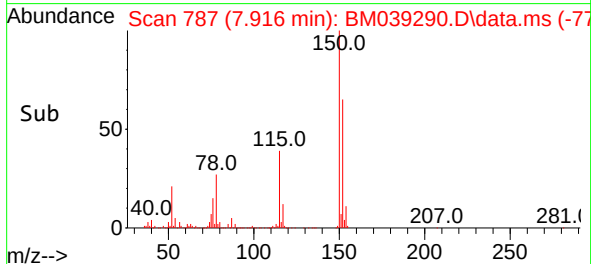
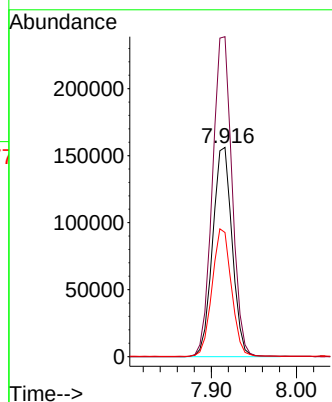
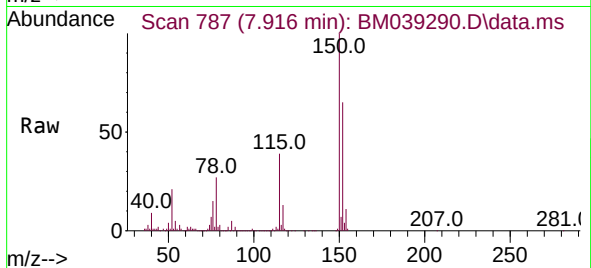
Quant Time: Apr 04 02:30:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 17:03:41 2023
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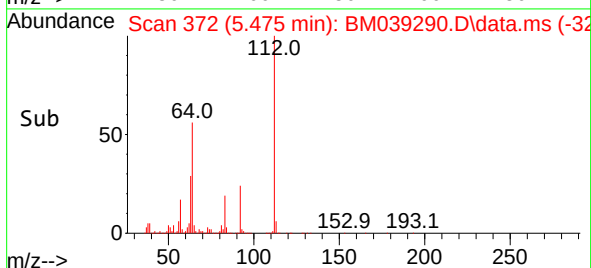
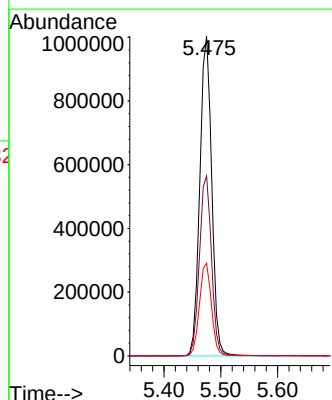
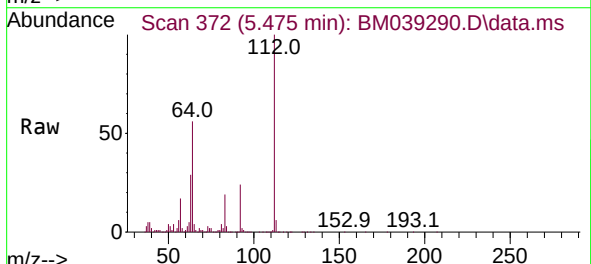
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 787
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

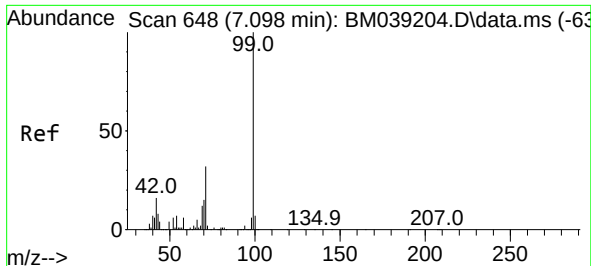
Tgt Ion:152 Resp: 247863
Ion Ratio Lower Upper
152 100
150 153.0 125.5 188.3
115 59.4 48.1 72.1



#5
2-Fluorophenol
Concen: 88.305 ng
RT: 5.475 min Scan# 372
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:112 Resp: 1452774
Ion Ratio Lower Upper
112 100
64 56.2 44.3 66.5
63 29.0 23.0 34.6

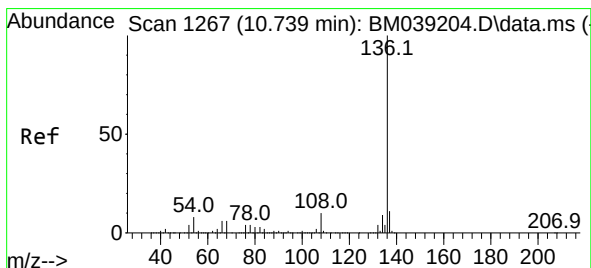
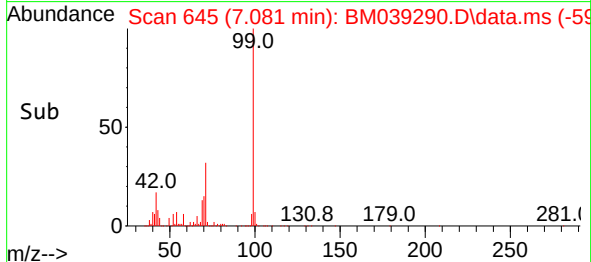
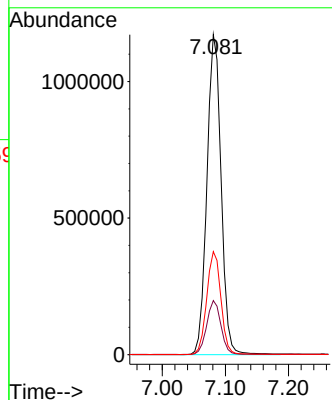
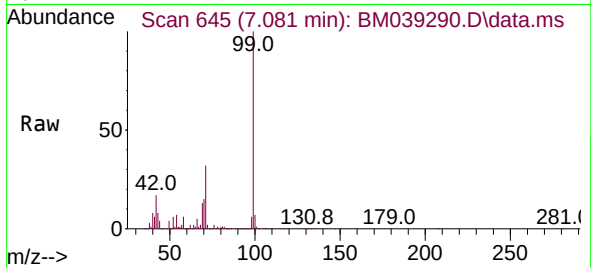




#7
Phenol-d6
Concen: 85.763 ng
RT: 7.081 min Scan# 645
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion: 99 Resp: 1824964

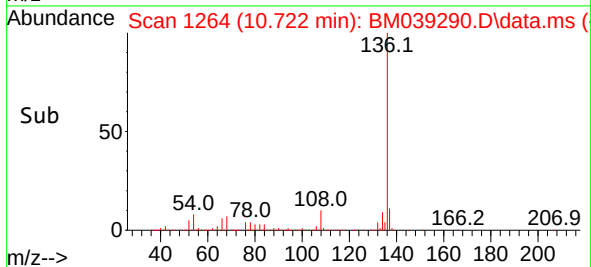
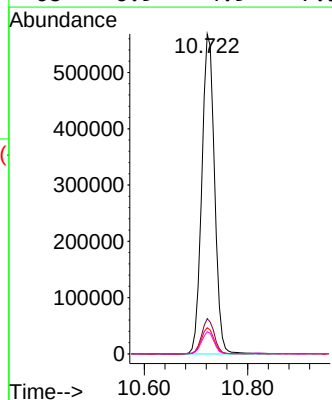
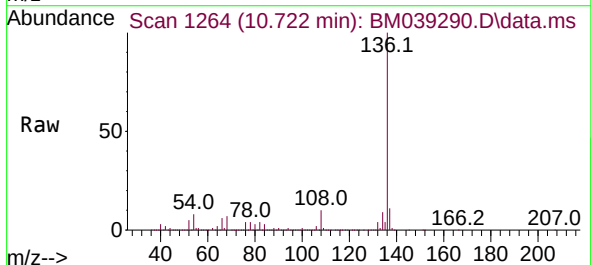
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.0	19.6
71	32.2	25.5	38.3

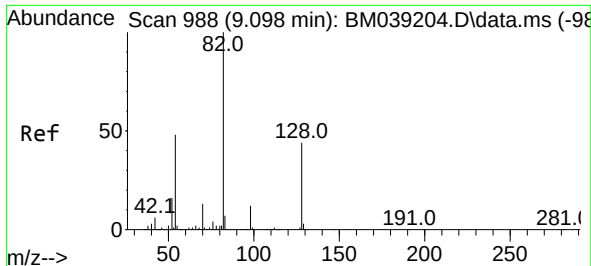


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion: 136 Resp: 971959

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.2	6.2	9.4
68	6.9	4.9	7.3





#23

Nitrobenzene-d5

Concen: 55.156 ng

RT: 9.081 min Scan# 985

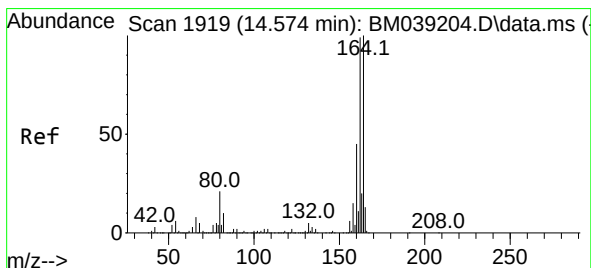
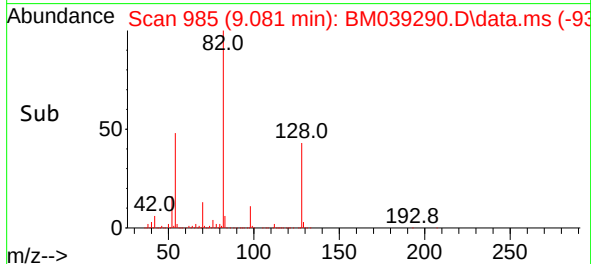
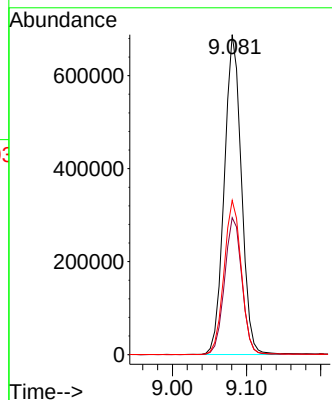
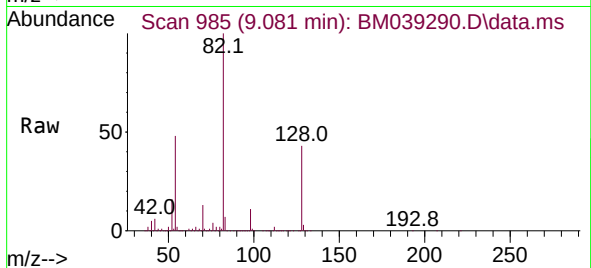
Delta R.T. -0.006 min

Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

Tgt Ion: 82 Resp: 1103009

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.1	52.7
54	48.2	38.5	57.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1916

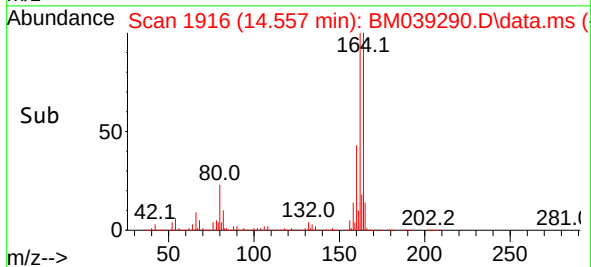
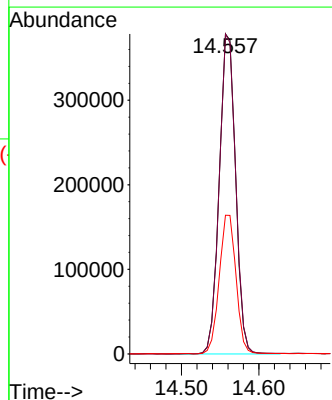
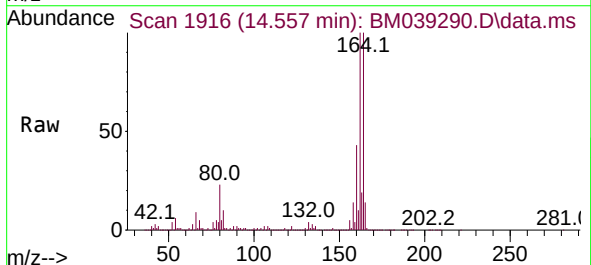
Delta R.T. -0.006 min

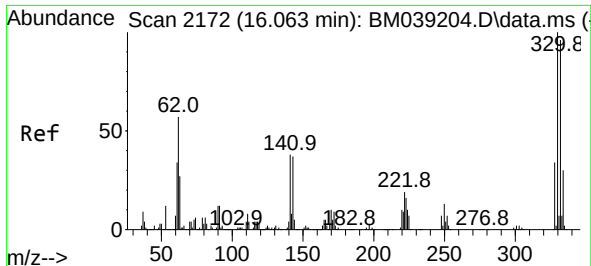
Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

Tgt Ion: 164 Resp: 553966

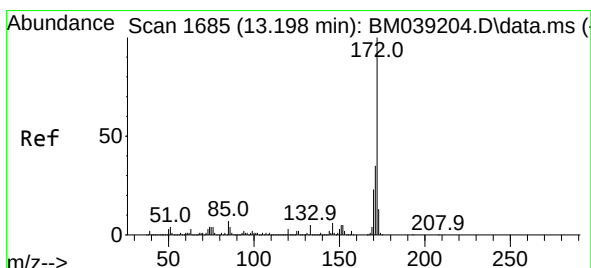
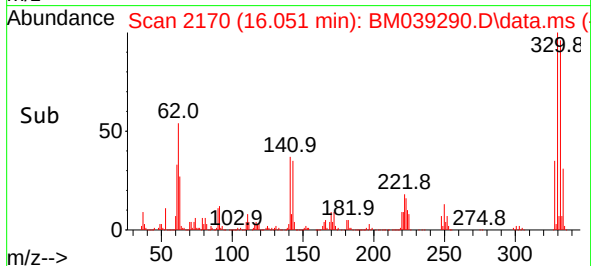
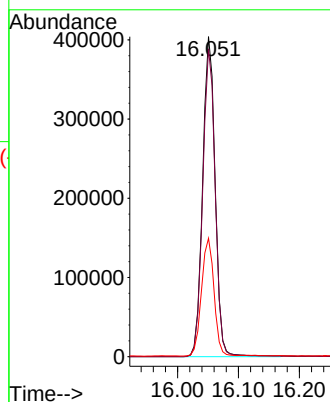
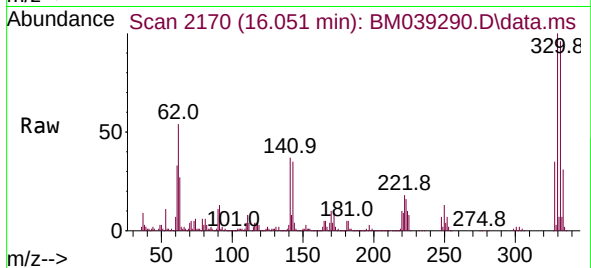
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.1	118.7
160	43.3	35.8	53.8





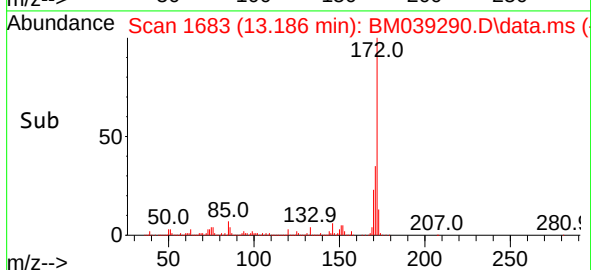
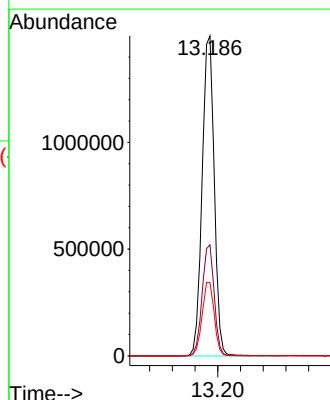
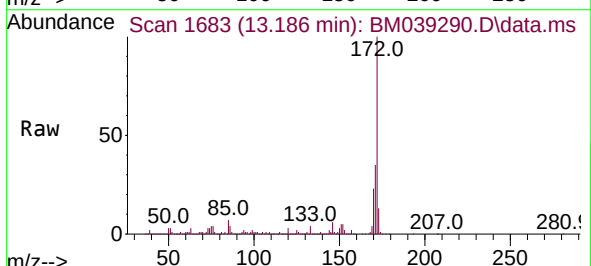
#42
2,4,6-Tribromophenol
Concen: 81.655 ng
RT: 16.051 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

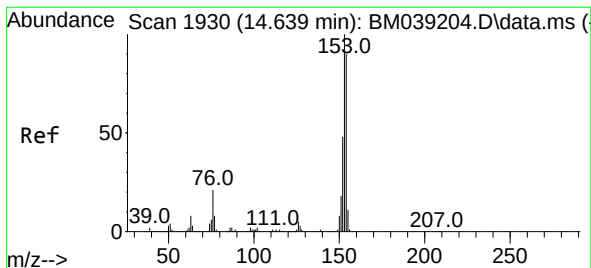
Tgt Ion:330 Resp: 574205
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 36.9 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 54.259 ng
RT: 13.186 min Scan# 1683
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

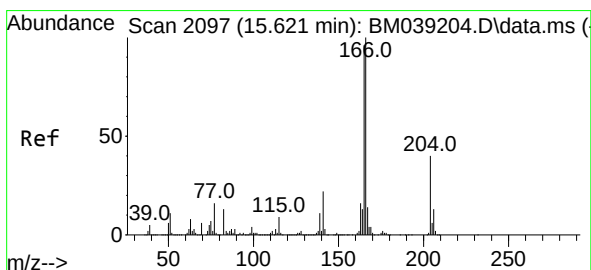
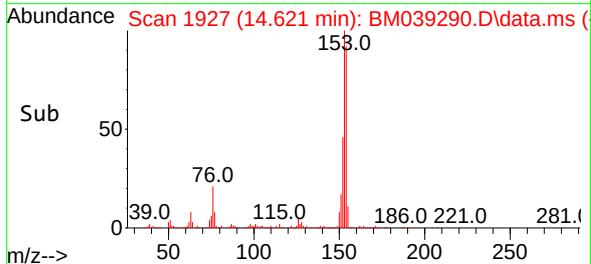
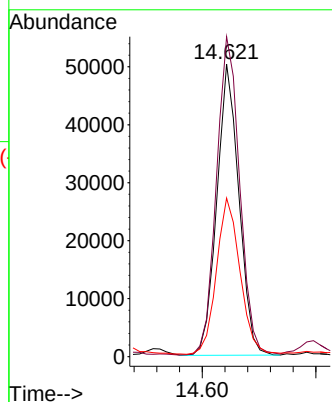
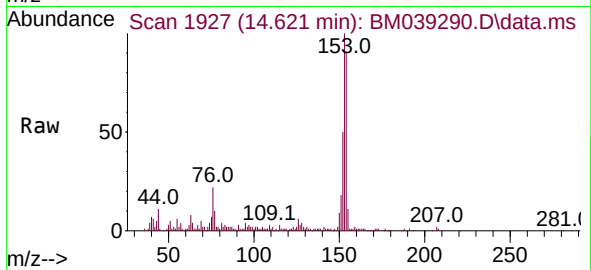
Tgt Ion:172 Resp: 2218413
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 22.9 18.7 28.1





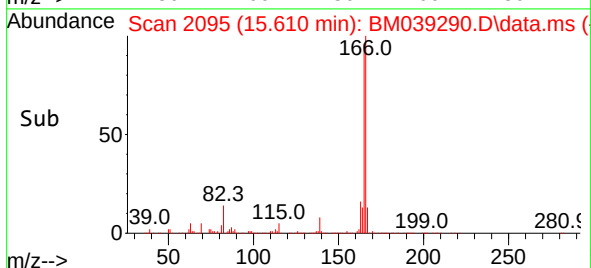
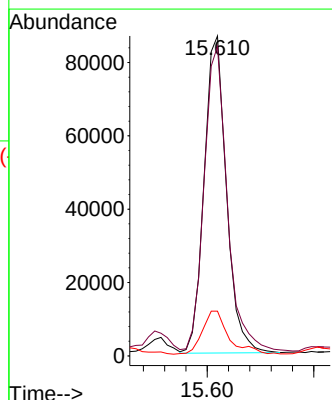
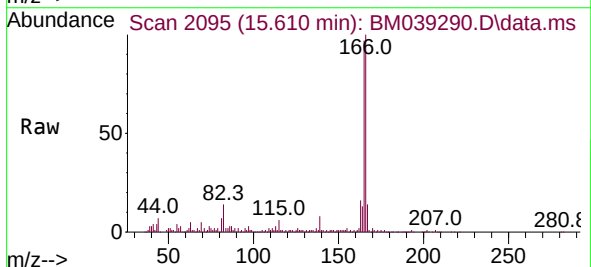
#52
Acenaphthene
Concen: 2.108 ng
RT: 14.621 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

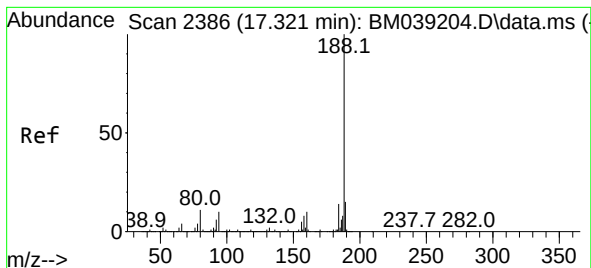
Tgt Ion:154 Resp: 67746
Ion Ratio Lower Upper
154 100
153 109.4 89.1 133.7
152 54.2 42.6 64.0



#58
Fluorene
Concen: 3.074 ng
RT: 15.610 min Scan# 2095
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

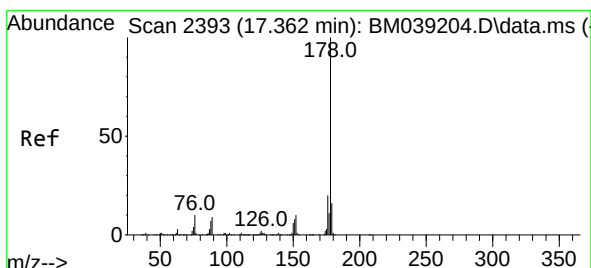
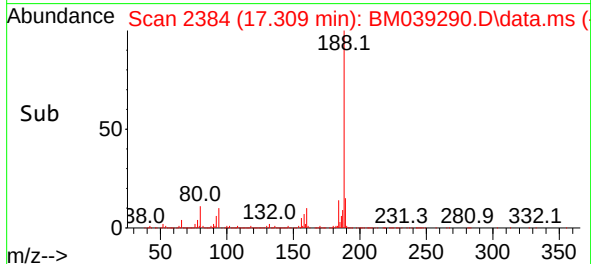
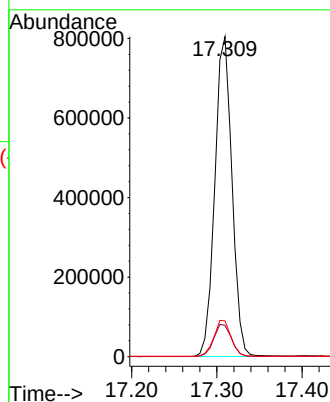
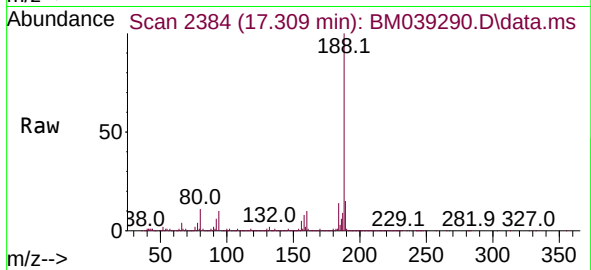
Tgt Ion:166 Resp: 125978
Ion Ratio Lower Upper
166 100
165 96.7 76.9 115.3
167 14.0 10.8 16.2





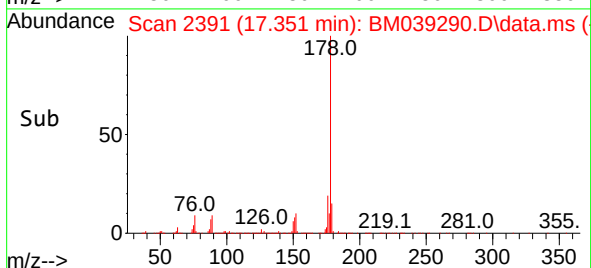
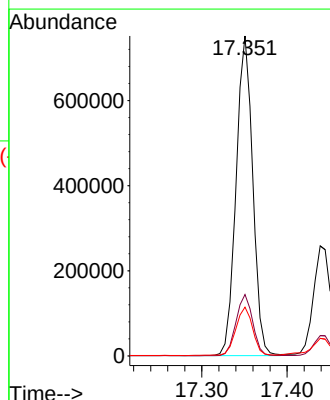
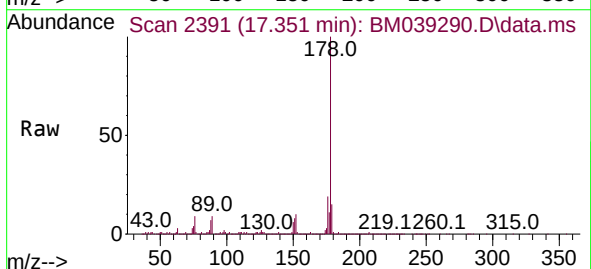
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

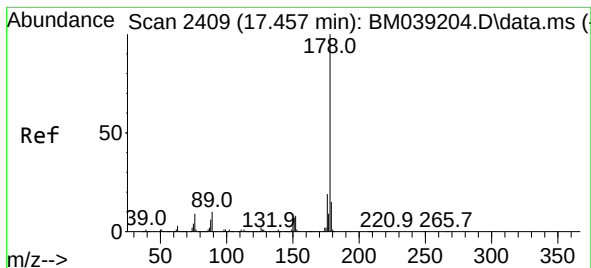
Tgt Ion:188 Resp: 1123660
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.4
80 11.2 8.9 13.3



#71
Phenanthrene
Concen: 16.522 ng
RT: 17.351 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:178 Resp: 1016763
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.2 12.4 18.6





#72

Anthracene

Concen: 5.669 ng

RT: 17.439 min Scan# 2406

Delta R.T. -0.006 min

Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

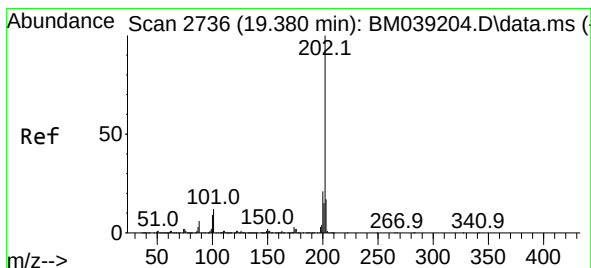
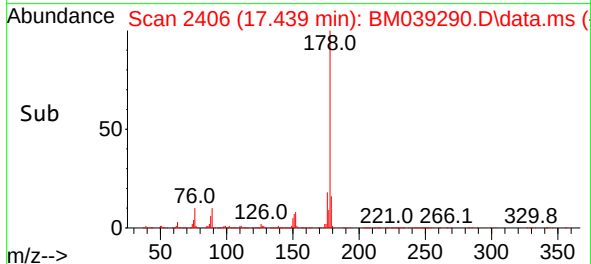
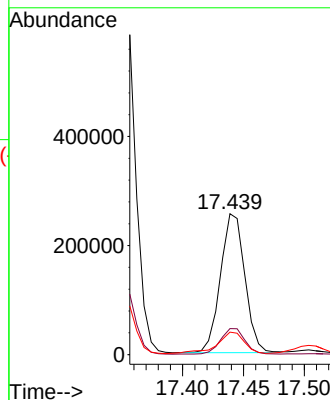
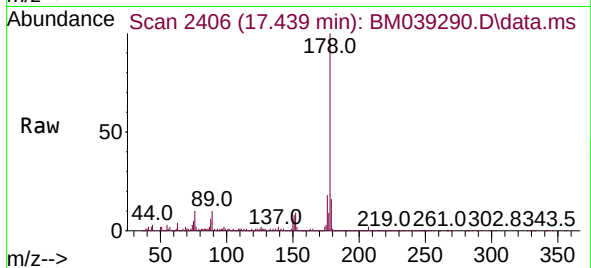
Tgt Ion:178 Resp: 355770

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.9 12.2 18.2



#75

Fluoranthene

Concen: 22.326 ng

RT: 19.368 min Scan# 2734

Delta R.T. -0.000 min

Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

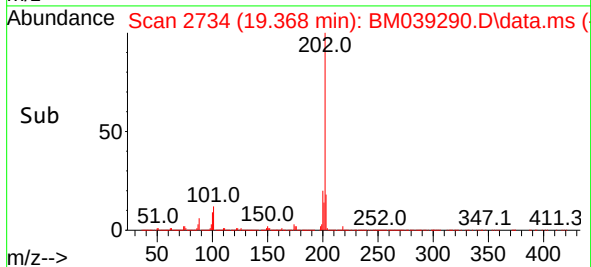
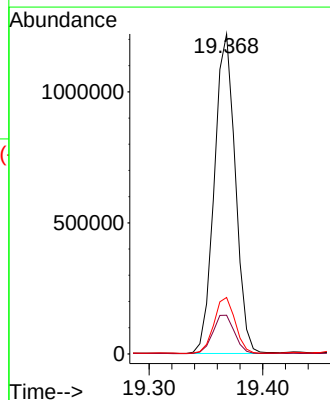
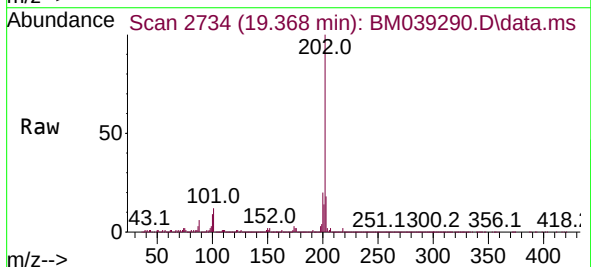
Tgt Ion:202 Resp: 1566212

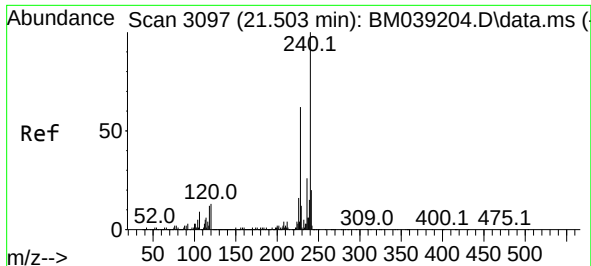
Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.5

203 17.6 0.0 37.5

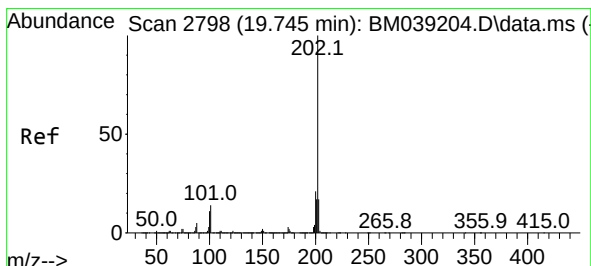
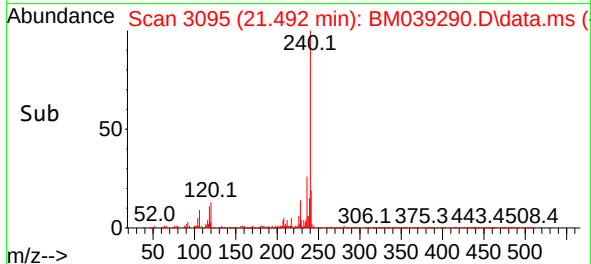
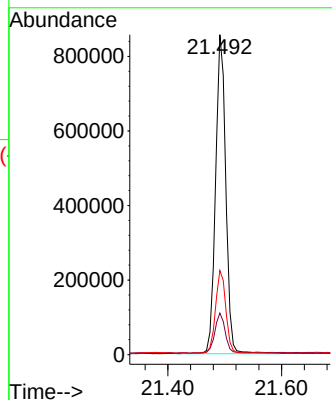
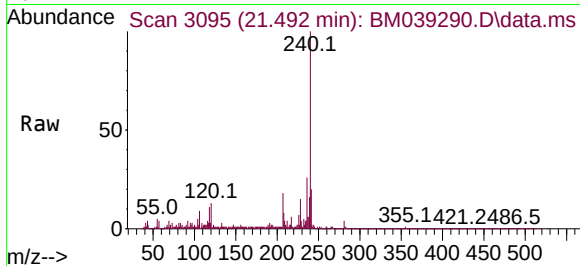




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.492 min Scan# 3095
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:240 Resp: 1072297

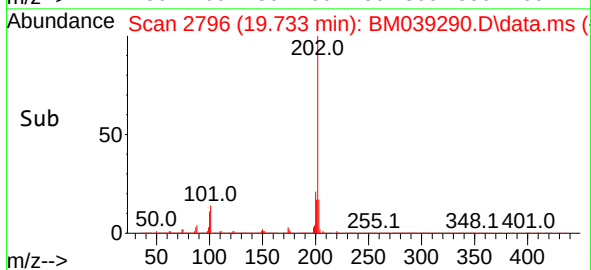
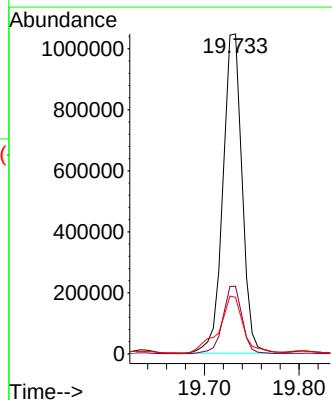
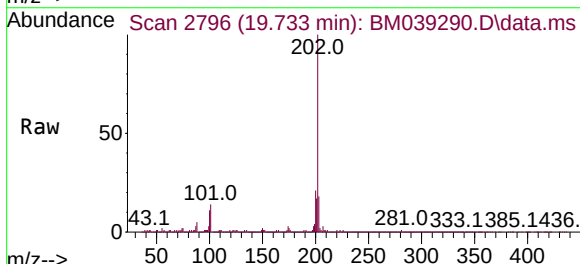
Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.2	15.2
236	26.3	20.9	31.3

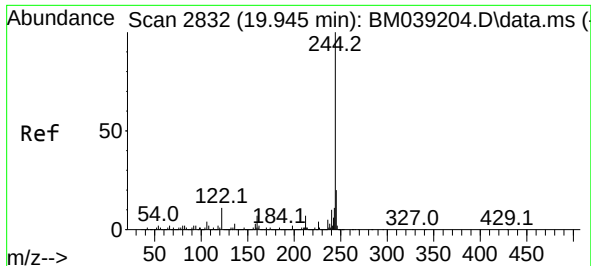


#78
Pyrene
Concen: 19.284 ng
RT: 19.733 min Scan# 2796
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:202 Resp: 1472058

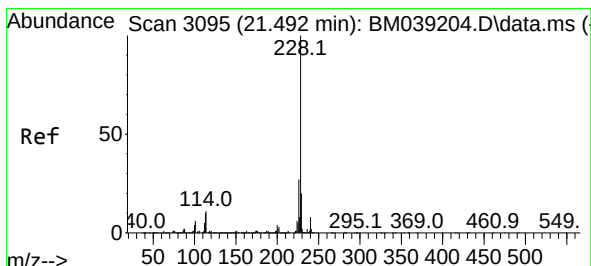
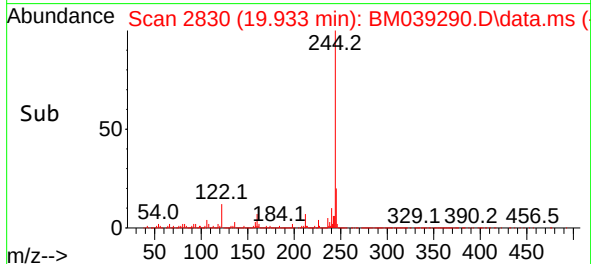
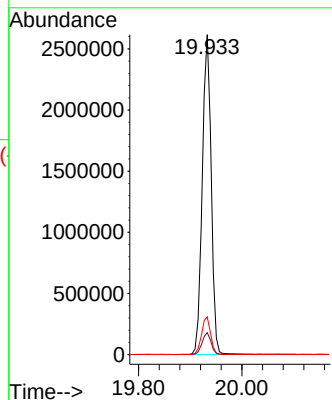
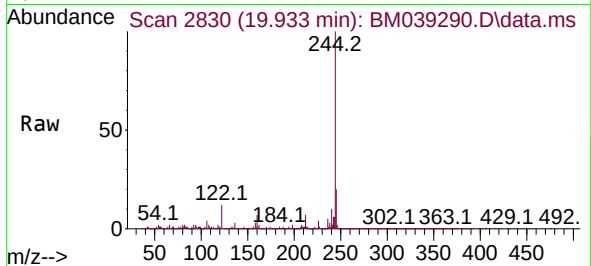
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.7	13.9	20.9





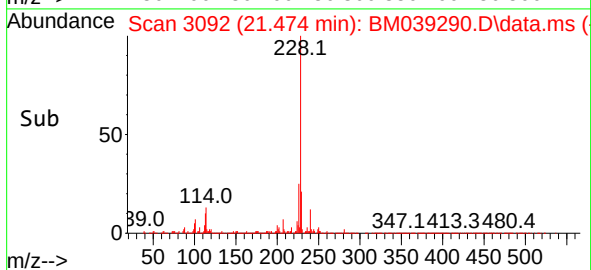
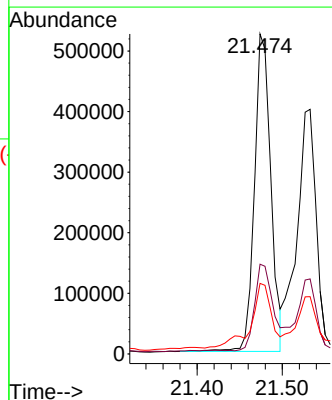
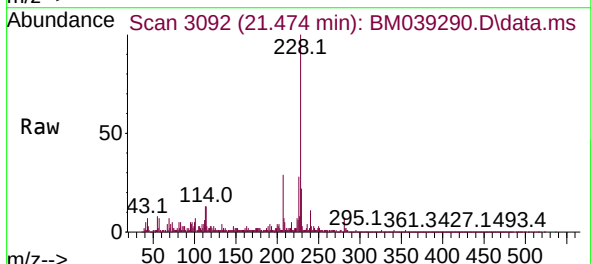
#79
Terphenyl-d14
Concen: 54.035 ng
RT: 19.933 min Scan# 2830
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

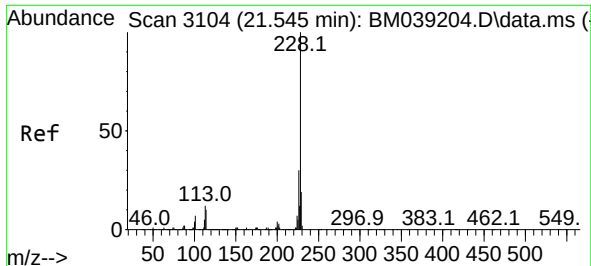
Tgt Ion:244 Resp: 3136111
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.8 9.1 13.7



#81
Benzo(a)anthracene
Concen: 9.249 ng
RT: 21.474 min Scan# 3092
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

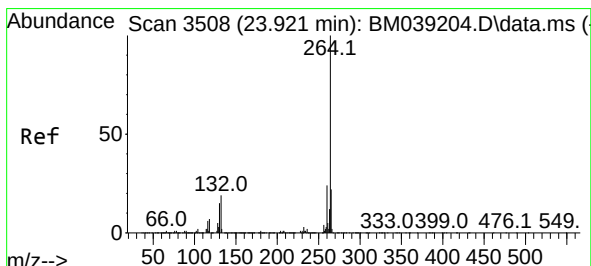
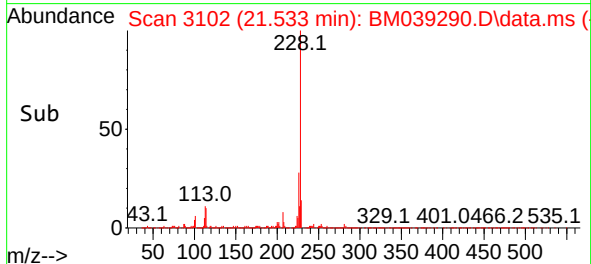
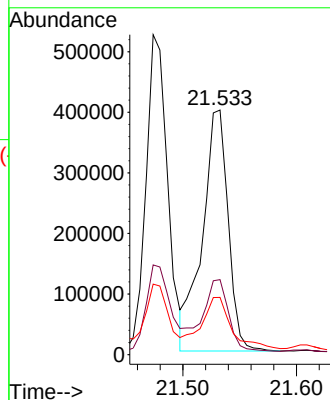
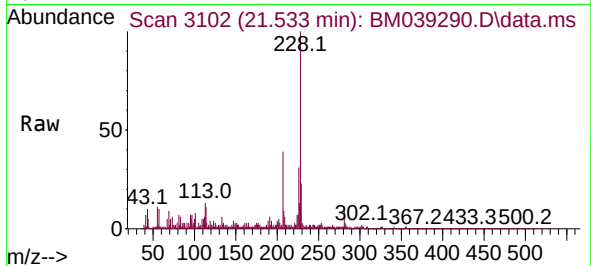
Tgt Ion:228 Resp: 699474
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 22.0 15.8 23.6





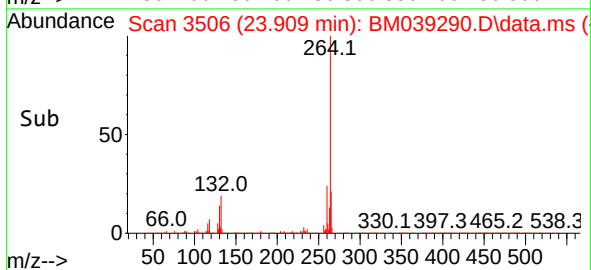
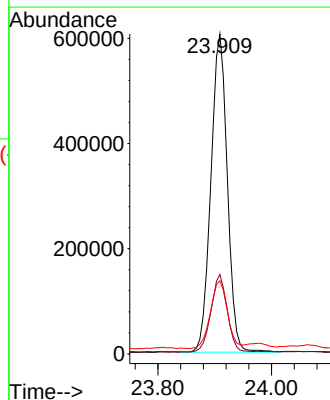
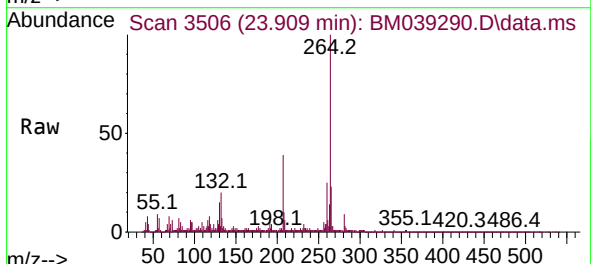
#83
Chrysene
Concen: 8.641 ng m
RT: 21.533 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

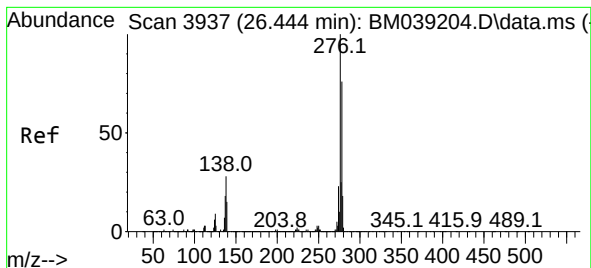
Tgt Ion:228 Resp: 630819
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 23.4 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.909 min Scan# 3506
Delta R.T. 0.005 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:264 Resp: 1218198
Ion Ratio Lower Upper
264 100
260 24.8 19.0 28.6
265 22.9 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.391 ng

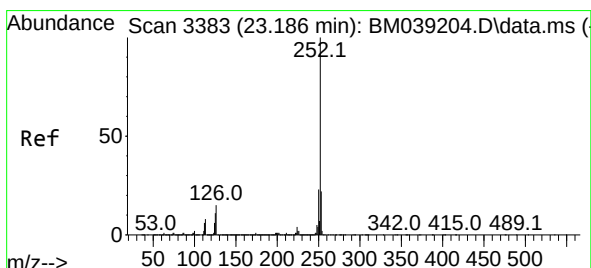
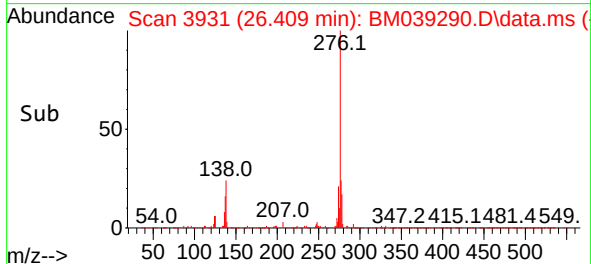
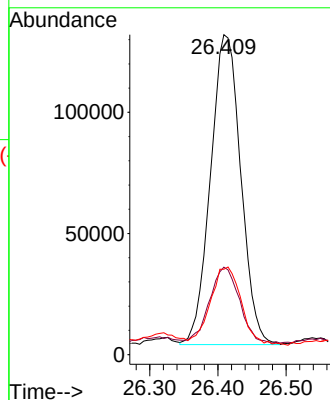
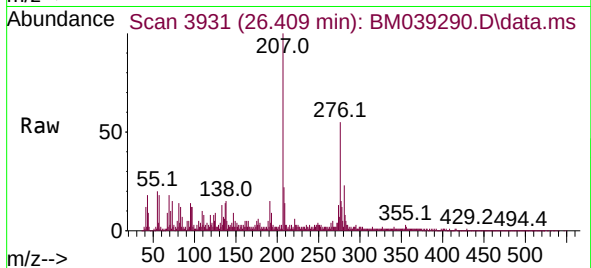
RT: 26.409 min Scan# 3931

Delta R.T. -0.006 min

Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

Tgt Ion:	276	Resp:	394101
Ion Ratio	Lower	Upper	
276	100		
138	24.4	22.2	33.2
277	26.0	20.2	30.2



#88

Benzo(b)fluoranthene

Concen: 10.446 ng

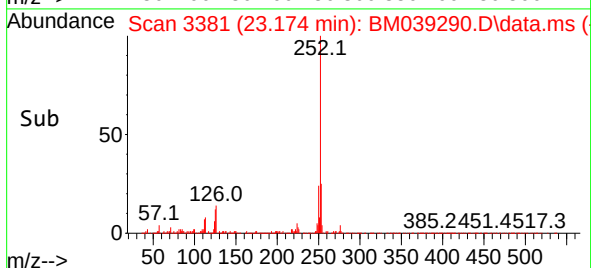
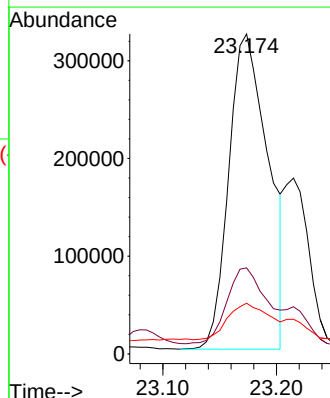
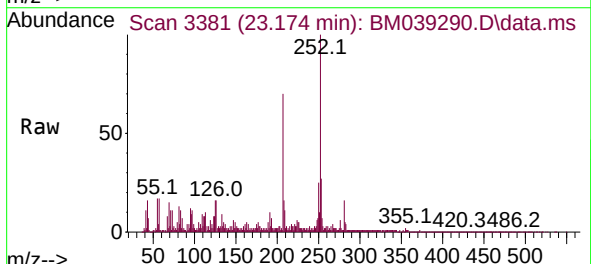
RT: 23.174 min Scan# 3381

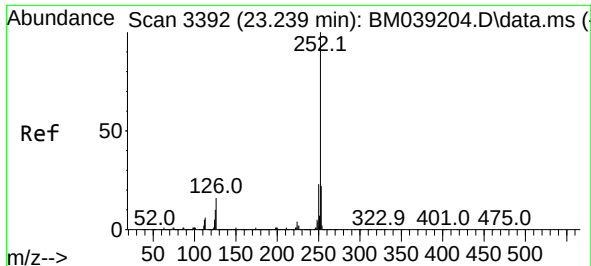
Delta R.T. -0.000 min

Lab File: BM039290.D

Acq: 03 Apr 2023 21:55

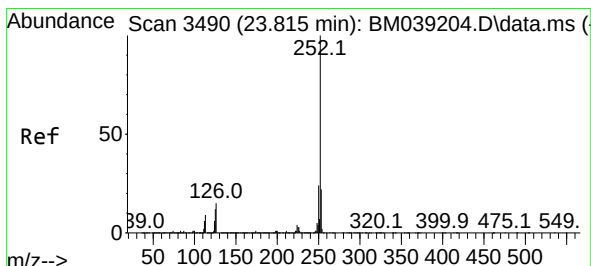
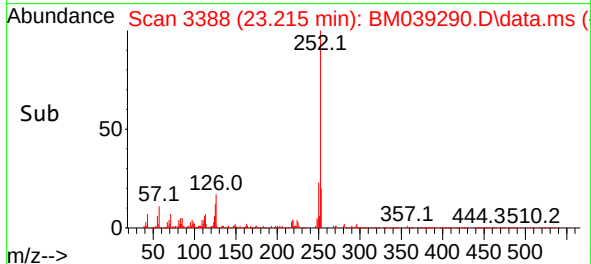
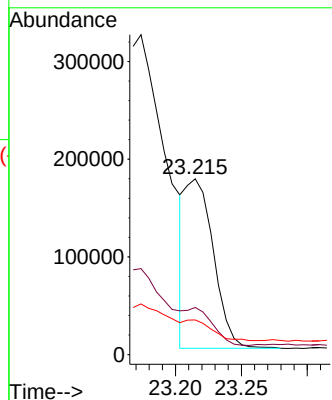
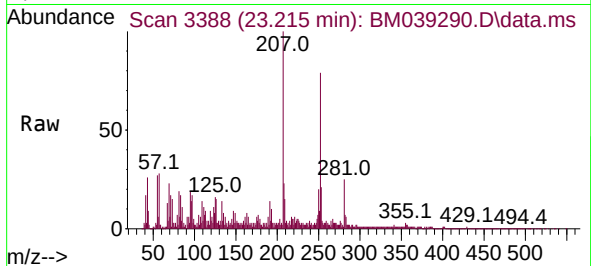
Tgt Ion:	252	Resp:	778652
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.6	26.4#
125	15.8	9.0	13.6#





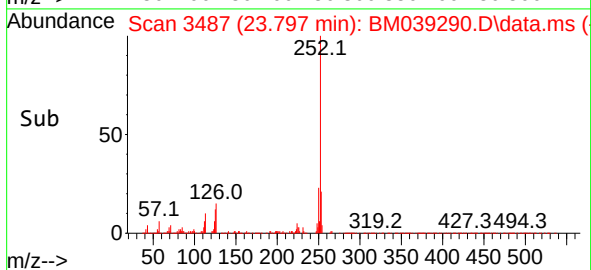
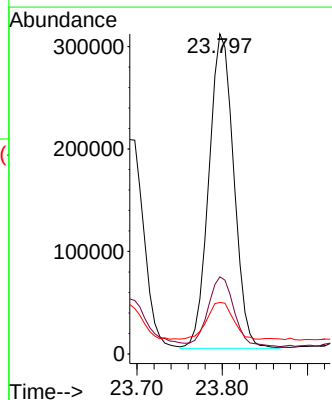
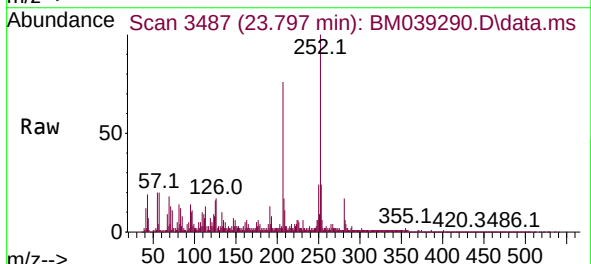
#89
Benzo(k)fluoranthene
Concen: 3.397 ng m
RT: 23.215 min Scan# 3388
Delta R.T. -0.006 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

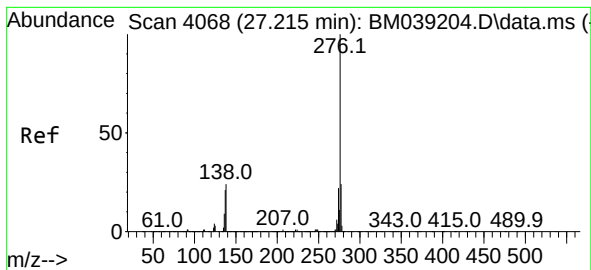
Tgt Ion:252 Resp: 257900
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8#
125 19.7 8.5 12.7#



#90
Benzo(a)pyrene
Concen: 8.505 ng
RT: 23.797 min Scan# 3487
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion:252 Resp: 622795
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 16.1 9.8 14.6#





#92
Benzo(g,h,i)perylene
Concen: 5.508 ng
RT: 27.185 min Scan# 4063
Delta R.T. -0.000 min
Lab File: BM039290.D
Acq: 03 Apr 2023 21:55

Tgt Ion: 276 Resp: 408255
Ion Ratio Lower Upper
276 100
277 26.6 19.1 28.7
138 26.8 19.5 29.3

