

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039127.D
 Acq On : 23 Mar 2023 21:58
 Operator : CG/JU
 Sample : 02020-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-1

Quant Time: Mar 24 04:34:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

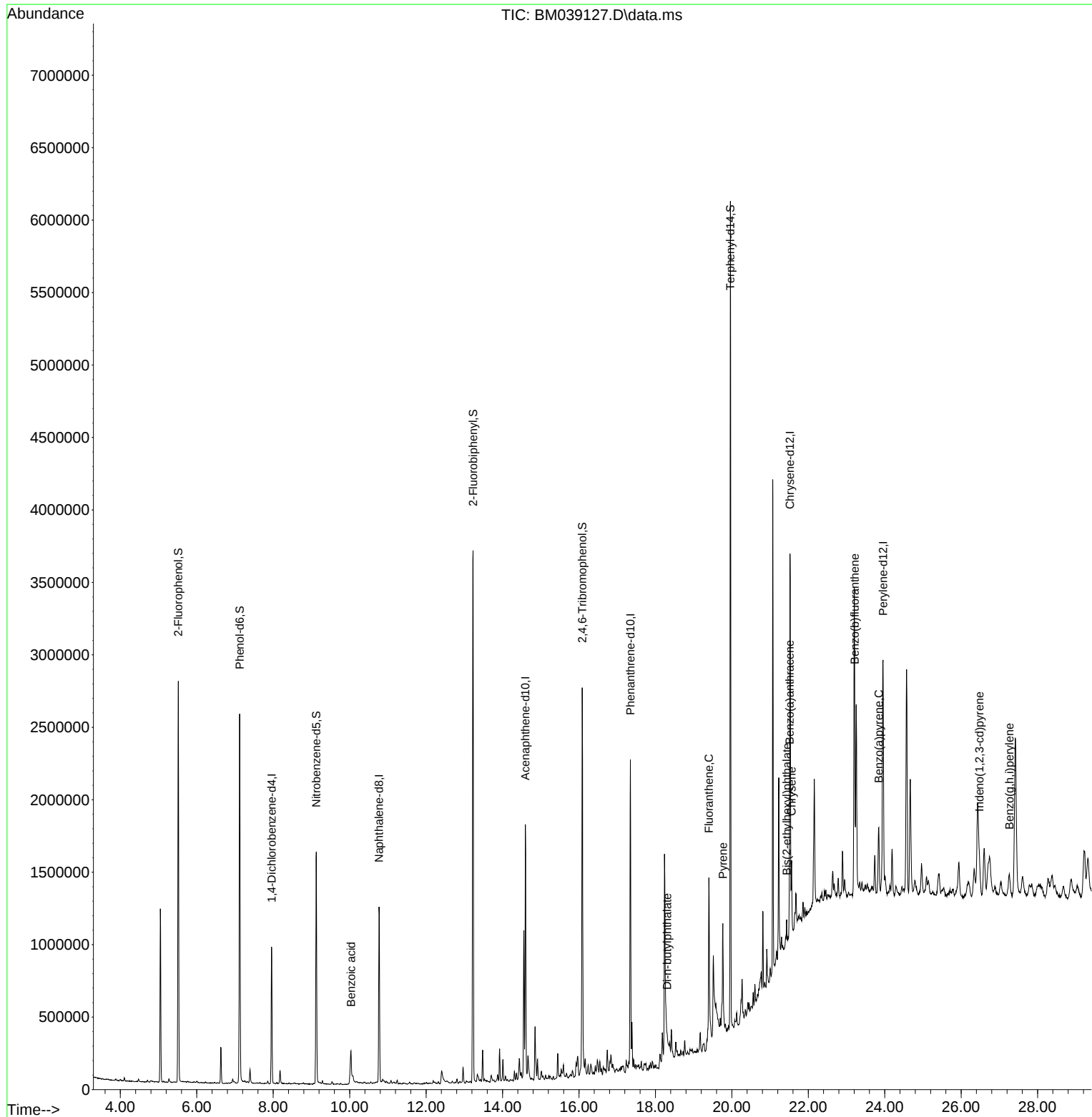
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	252054	20.000	ng	-0.01
21) Naphthalene-d8	10.769	136	1022423	20.000	ng	-0.01
39) Acenaphthene-d10	14.598	164	595011	20.000	ng	-0.01
64) Phenanthrene-d10	17.345	188	1237472	20.000	ng	0.00
76) Chrysene-d12	21.521	240	1108724	20.000	ng	-0.01
86) Perylene-d12	23.956	264	1212399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1193951	71.967	ng	0.00
7) Phenol-d6	7.122	99	1520557	70.562	ng	0.00
23) Nitrobenzene-d5	9.128	82	942439	45.278	ng	-0.01
42) 2,4,6-Tribromophenol	16.086	330	492956	71.616	ng	-0.01
45) 2-Fluorobiphenyl	13.228	172	1932210	42.274	ng	0.00
79) Terphenyl-d14	19.962	244	2621644	43.232	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.034	122	145466	16.193	ng	97
74) Di-n-butylphthalate	18.310	149	17519	2.008	ng	# 93
75) Fluoranthene	19.398	202	499726	6.517	ng	98
78) Pyrene	19.762	202	420773	5.053	ng	98
81) Benzo(a)anthracene	21.509	228	196353	2.459	ng	97
83) Chrysene	21.562	228	286655	3.691	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	57421	3.549	ng	99
87) Indeno(1,2,3-cd)pyrene	26.480	276	210578	2.283	ng	97
88) Benzo(b)fluoranthene	23.215	252	420265	5.426	ng	# 93
90) Benzo(a)pyrene	23.845	252	237358	3.184	ng	# 94
92) Benzo(g,h,i)perylene	27.262	276	213854	2.798	ng	97

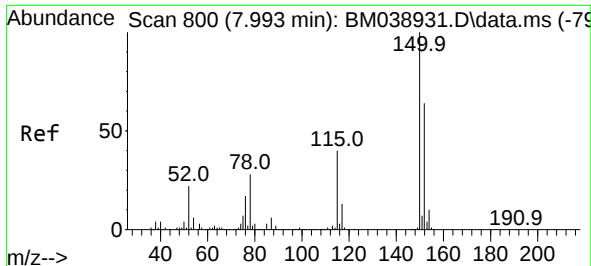
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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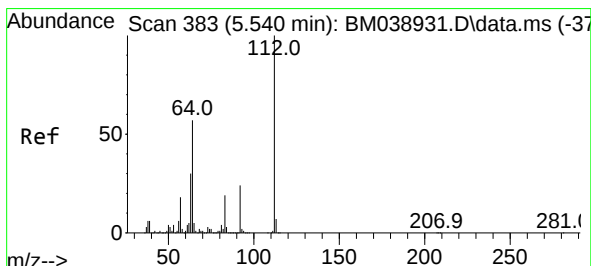
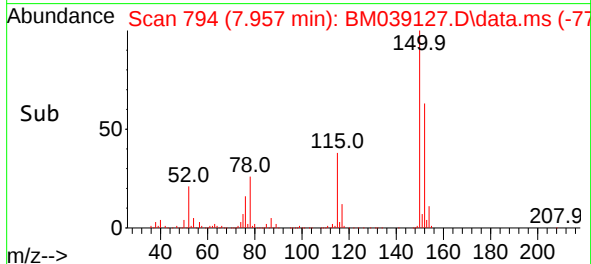
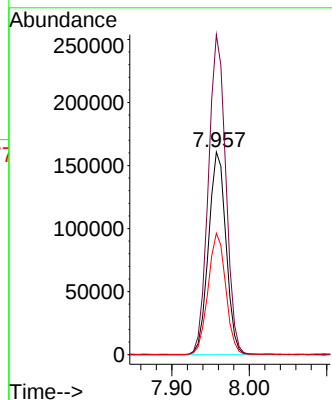
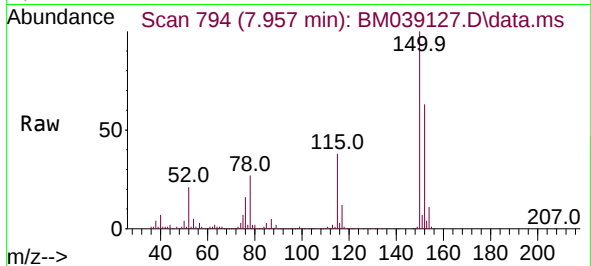




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

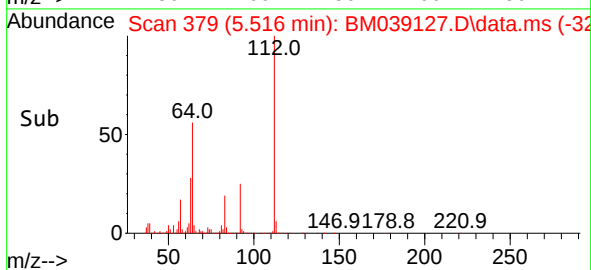
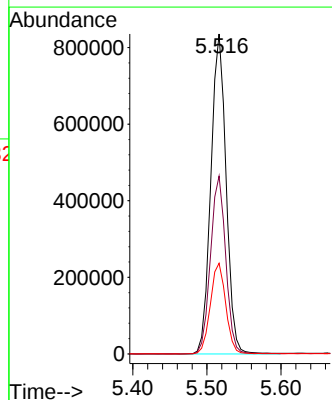
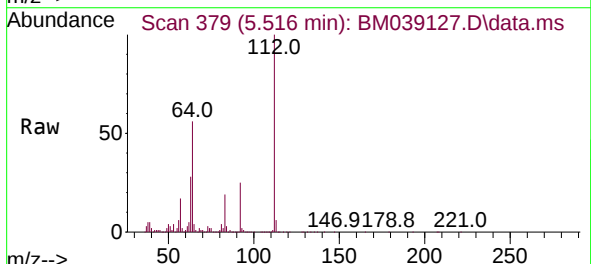
Instrument :
BNA_M
ClientSampleId :
SP-1

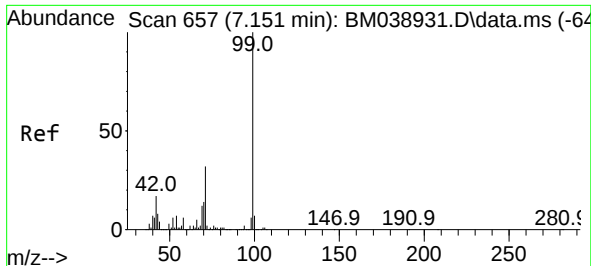
Tgt Ion:152 Resp: 252054
Ion Ratio Lower Upper
152 100
150 157.9 125.1 187.7
115 59.9 49.6 74.4



#5
2-Fluorophenol
Concen: 71.967 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:112 Resp: 1193951
Ion Ratio Lower Upper
112 100
64 55.6 45.9 68.9
63 28.3 23.8 35.8



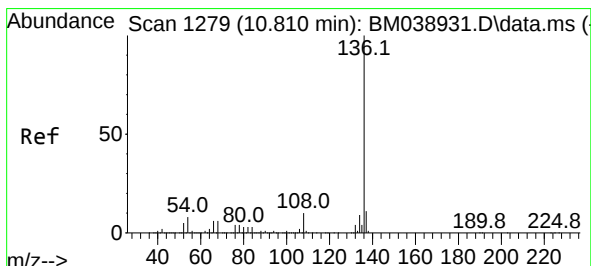
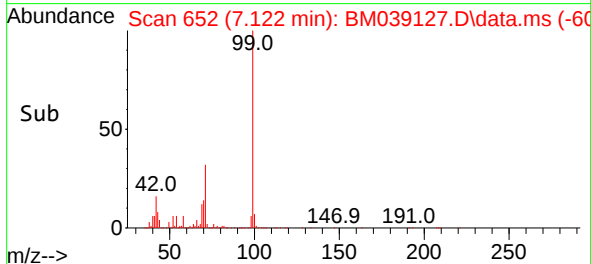
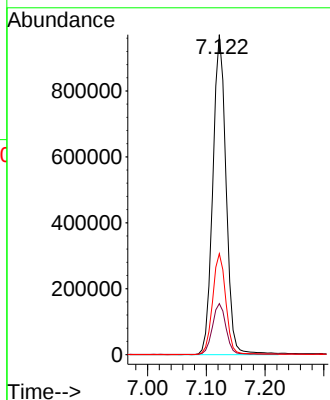
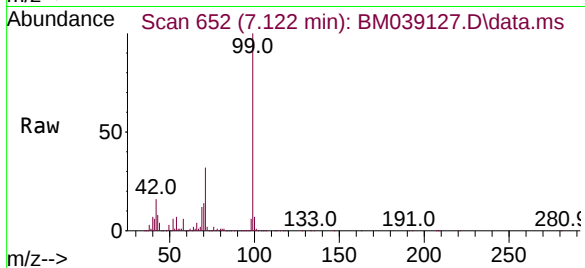


#7
Phenol-d6
Concen: 70.562 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Instrument :
BNA_M
ClientSampleId :
SP-1

Tgt Ion: 99 Resp: 1520557

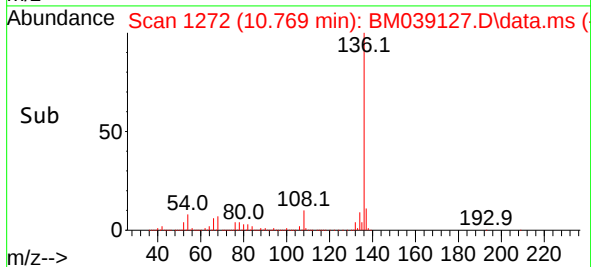
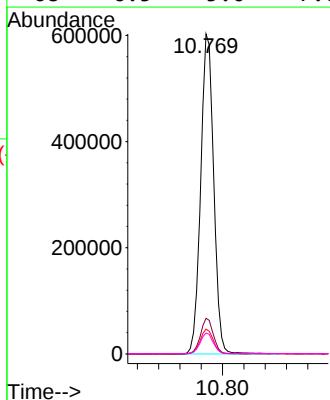
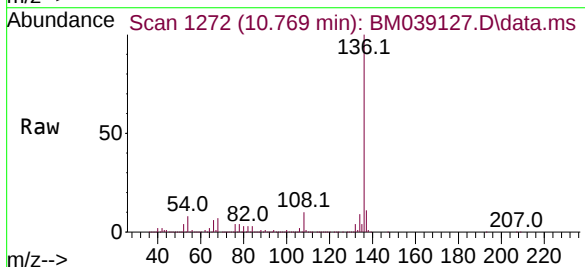
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.5	20.3
71	31.5	25.6	38.4

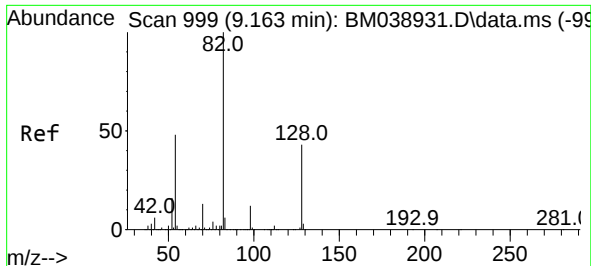


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion: 136 Resp: 1022423

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.7	6.3	9.5
68	6.5	5.0	7.6

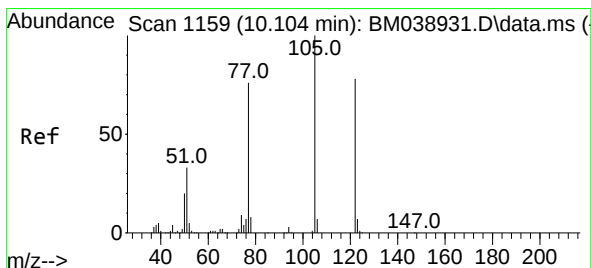
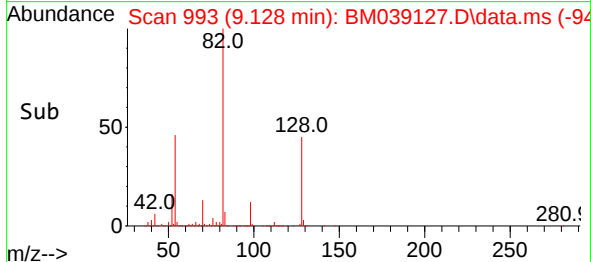
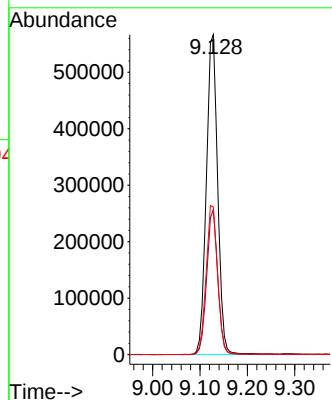
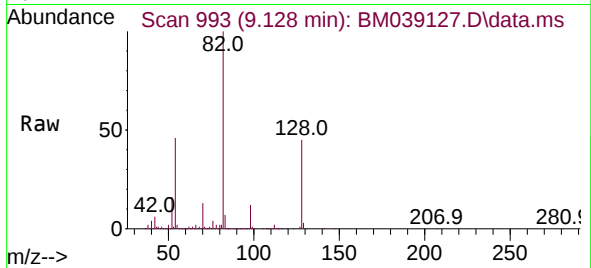




#23
Nitrobenzene-d5
Concen: 45.278 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

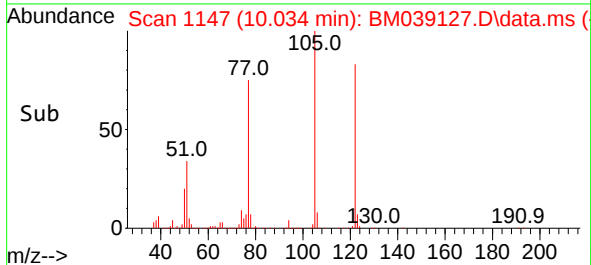
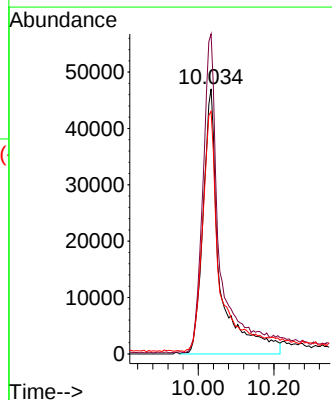
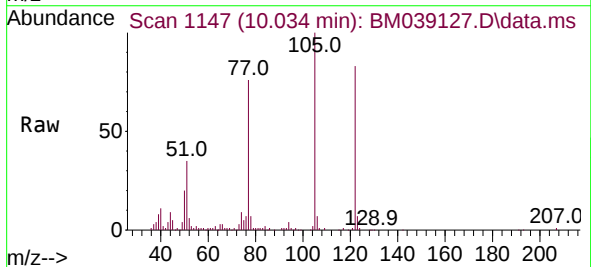
Instrument :
BNA_M
ClientSampleId :
SP-1

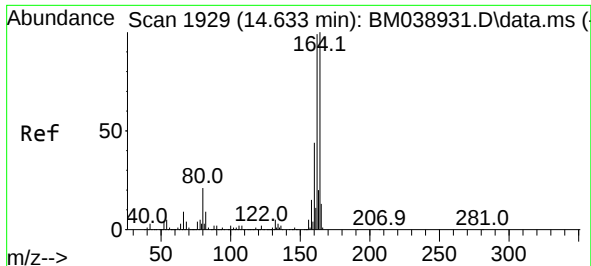
Tgt Ion: 82 Resp: 942439
Ion Ratio Lower Upper
82 100
128 45.3 34.4 51.6
54 46.1 38.8 58.2



#32
Benzoic acid
Concen: 16.193 ng
RT: 10.034 min Scan# 1147
Delta R.T. -0.053 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion: 122 Resp: 145466
Ion Ratio Lower Upper
122 100
105 120.7 104.2 144.2
77 91.5 75.1 115.1

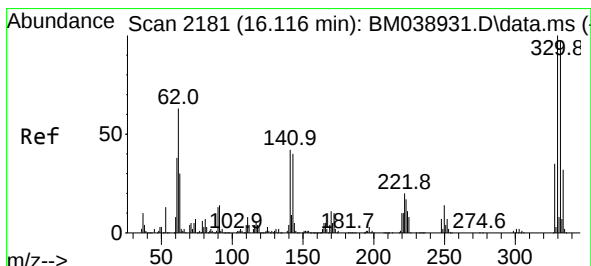
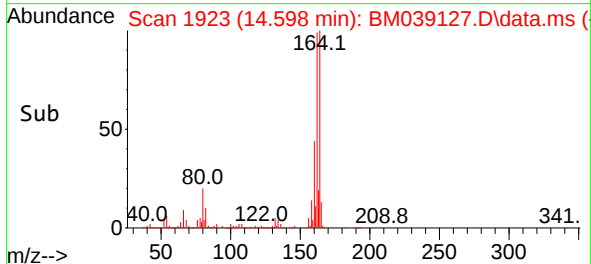
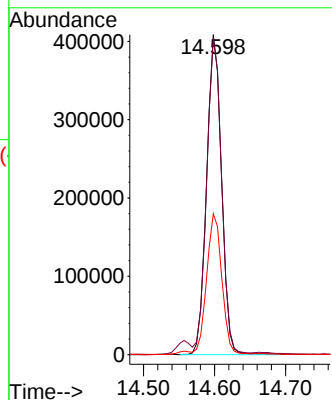
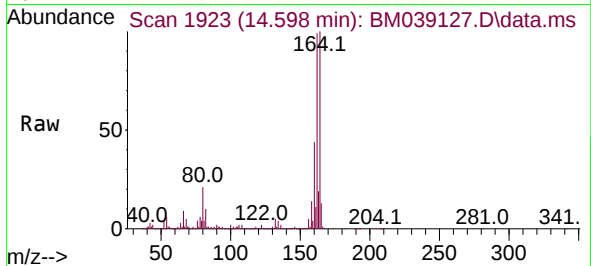




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

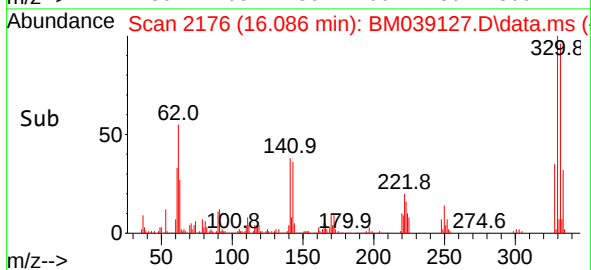
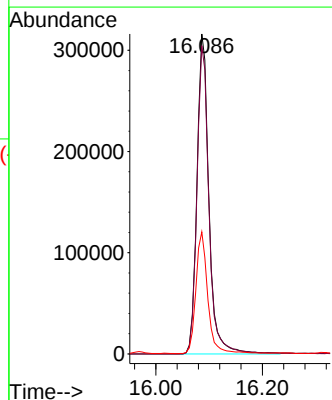
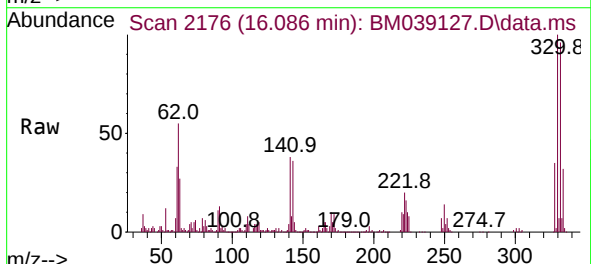
Instrument :
BNA_M
ClientSampleId :
SP-1

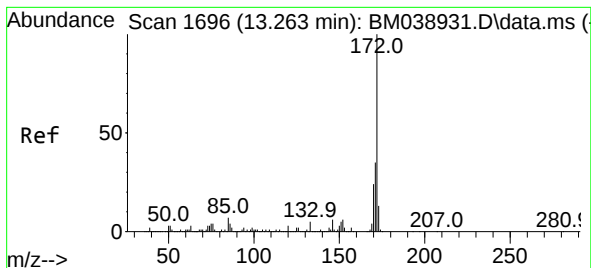
Tgt Ion:164 Resp: 595011
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 44.0 35.5 53.3



#42
2,4,6-Tribromophenol
Concen: 71.616 ng
RT: 16.086 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:330 Resp: 492956
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 37.9 32.2 48.4

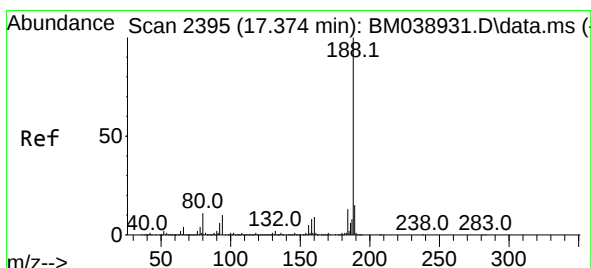
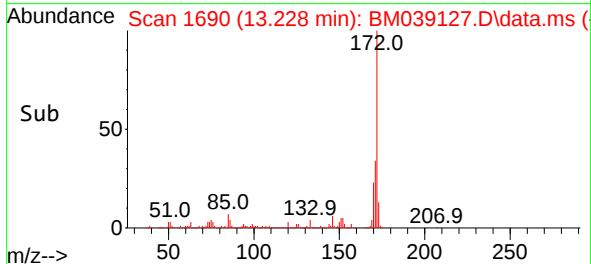
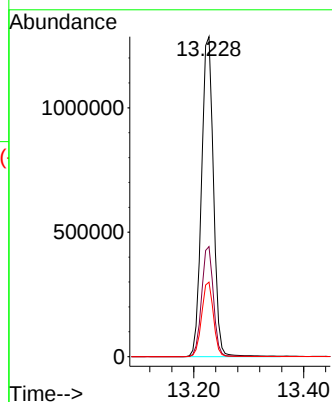
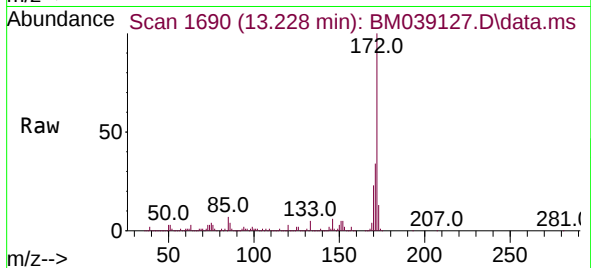




#45
2-Fluorobiphenyl
Concen: 42.274 ng
RT: 13.228 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

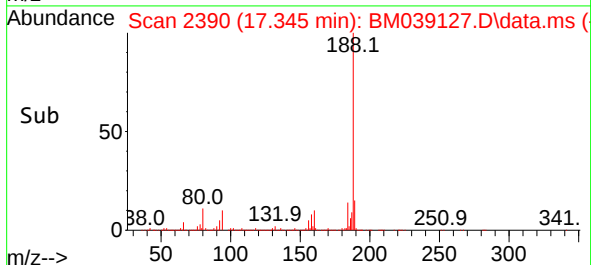
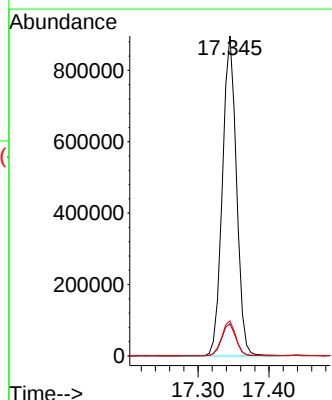
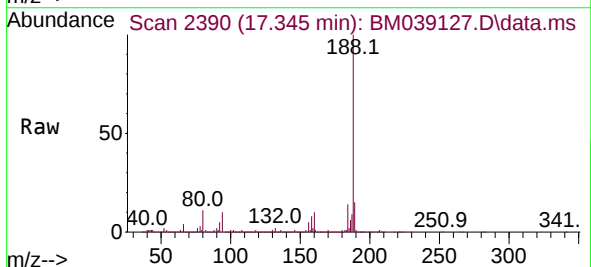
Instrument :
BNA_M
ClientSampleId :
SP-1

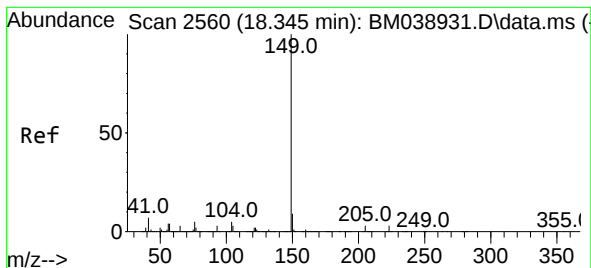
Tgt Ion:172 Resp: 1932210
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.3 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:188 Resp: 1237472
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.9 8.5 12.7





#74

Di-n-butylphthalate

Concen: 2.008 ng

RT: 18.310 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

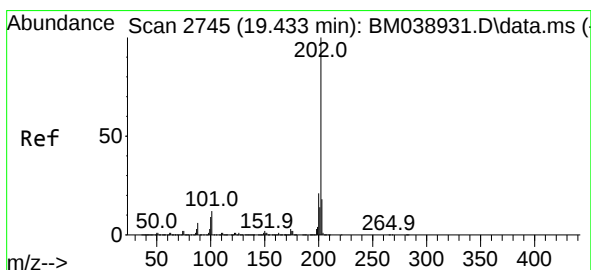
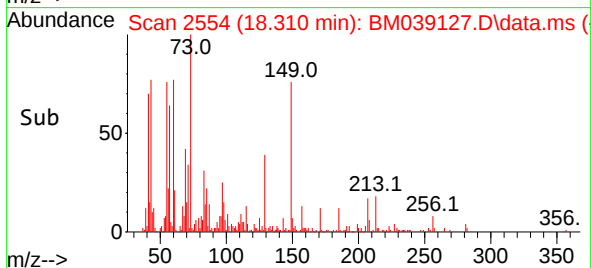
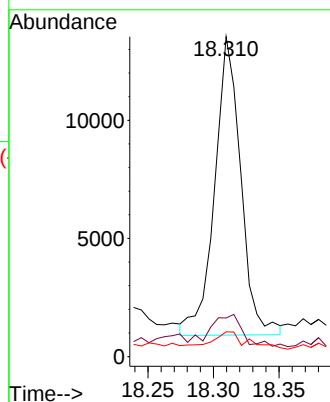
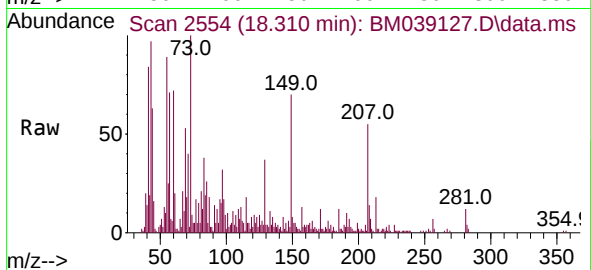
Tgt Ion:149 Resp: 17519

Ion Ratio Lower Upper

149 100

150 12.1 7.4 11.2#

104 7.7 4.3 6.5#



#75

Fluoranthene

Concen: 6.517 ng

RT: 19.398 min Scan# 2739

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

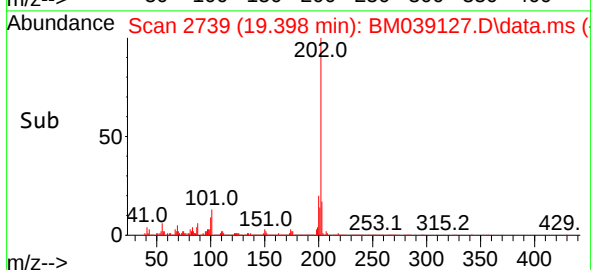
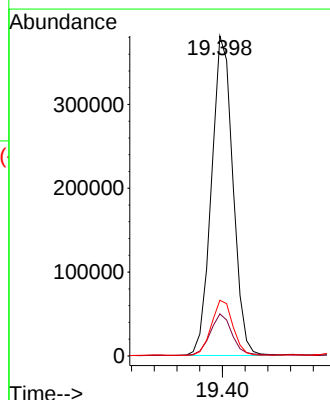
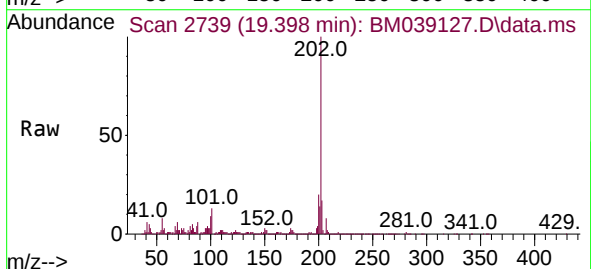
Tgt Ion:202 Resp: 499726

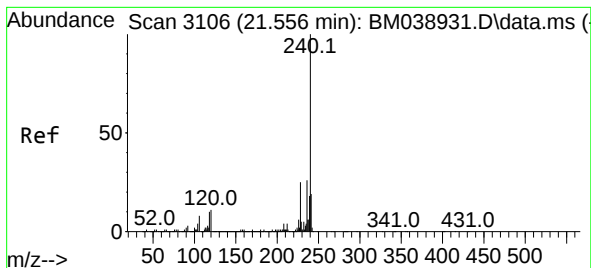
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.7

203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.521 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

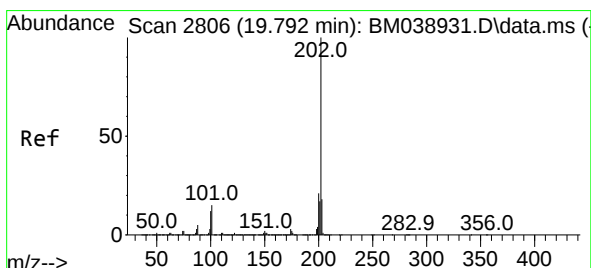
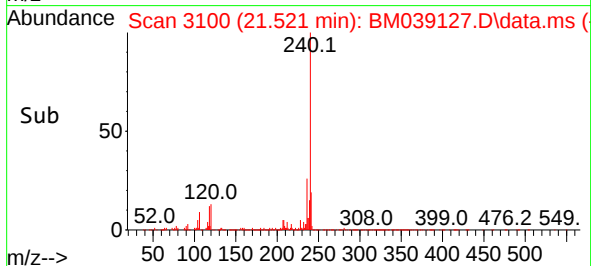
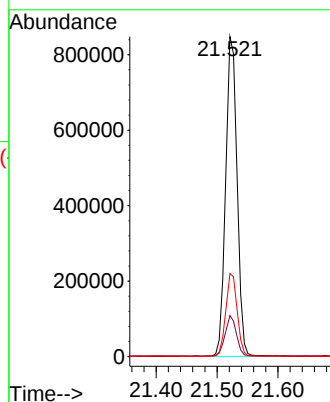
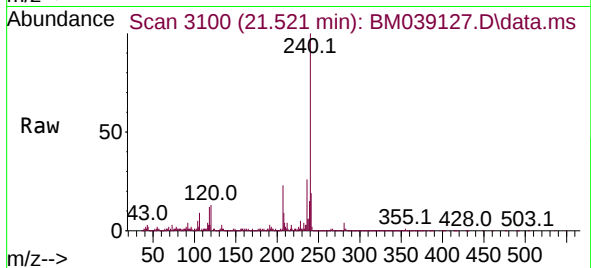
Tgt Ion:240 Resp: 1108724

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 25.9 20.8 31.2



#78

Pyrene

Concen: 5.053 ng

RT: 19.762 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

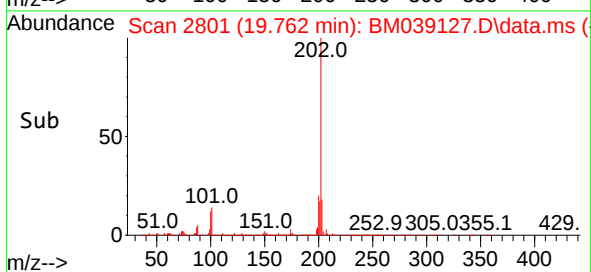
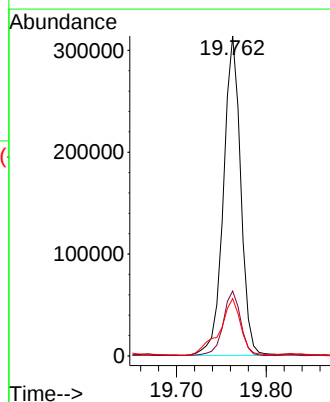
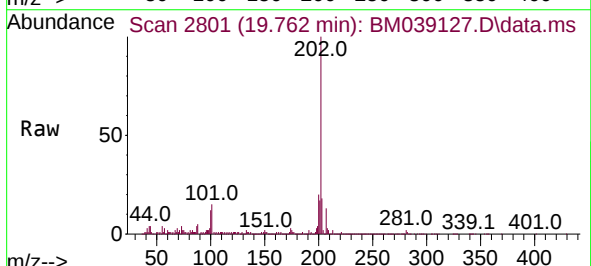
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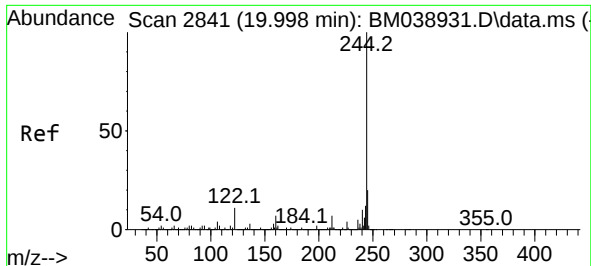
Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 17.9 14.1 21.1

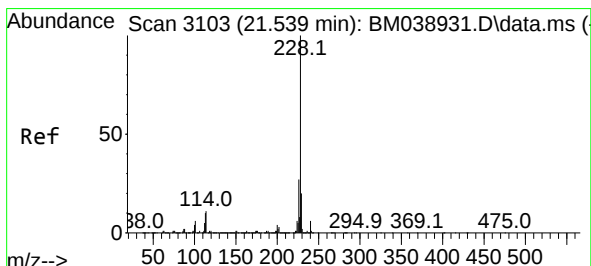
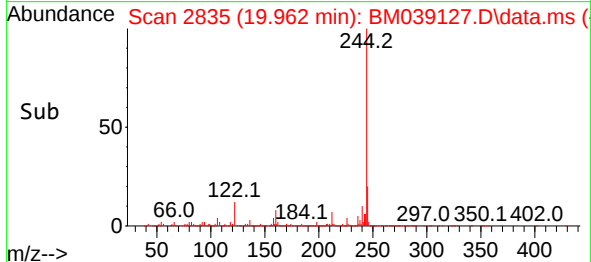
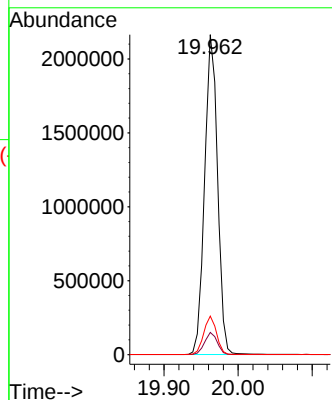
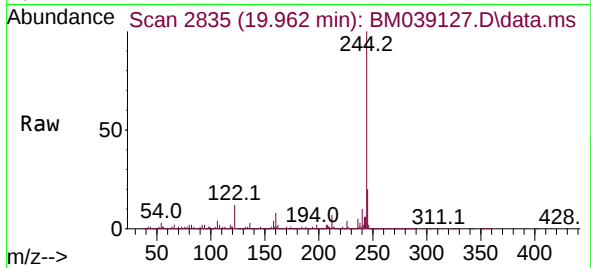




#79
 Terphenyl-d14
 Concen: 43.232 ng
 RT: 19.962 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039127.D
 Acq: 23 Mar 2023 21:58

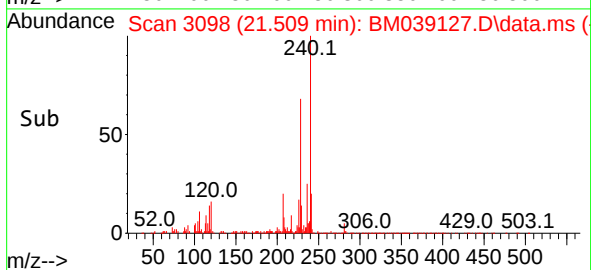
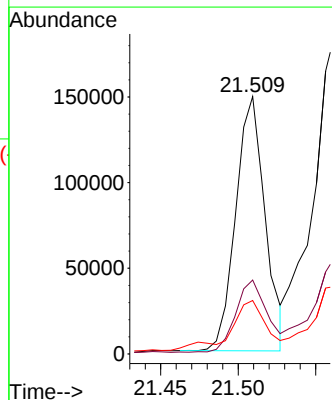
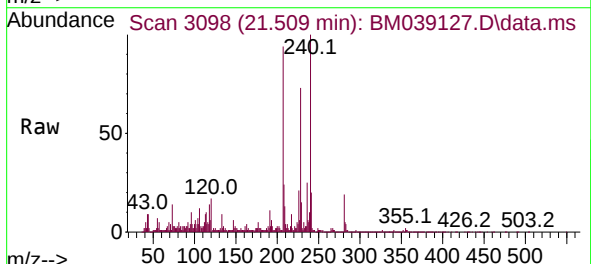
Instrument :
 BNA_M
 ClientSampleId :
 SP-1

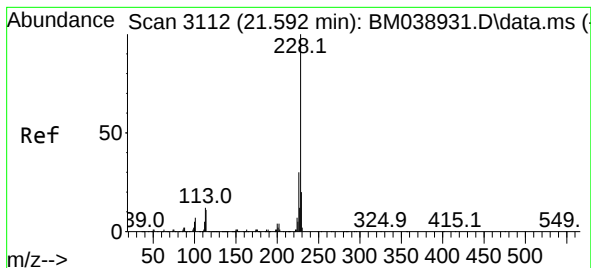
Tgt Ion:244 Resp: 2621644
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 12.0 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.459 ng
 RT: 21.509 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM039127.D
 Acq: 23 Mar 2023 21:58

Tgt Ion:228 Resp: 196353
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.2
 229 20.7 15.7 23.5





#83

Chrysene

Concen: 3.691 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

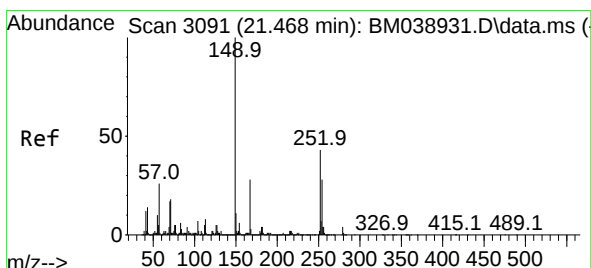
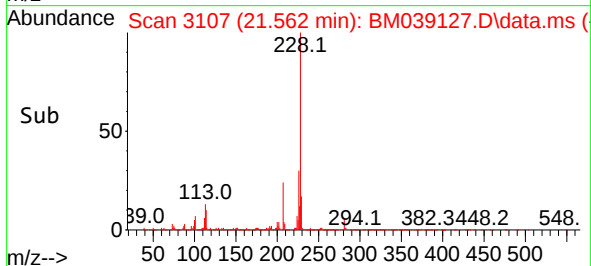
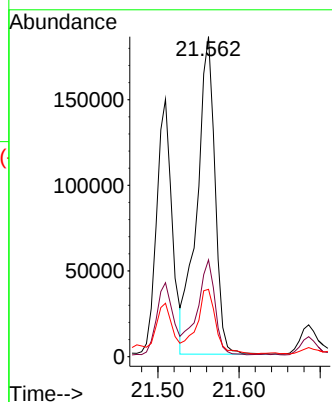
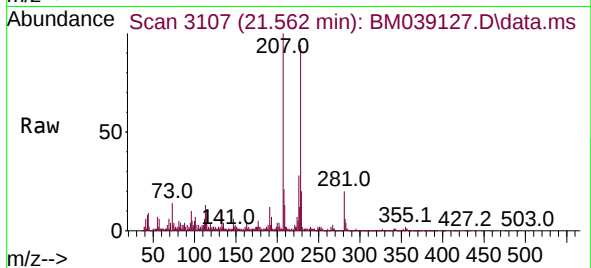
Tgt Ion:228 Resp: 286655

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 21.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.549 ng

RT: 21.433 min Scan# 3085

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

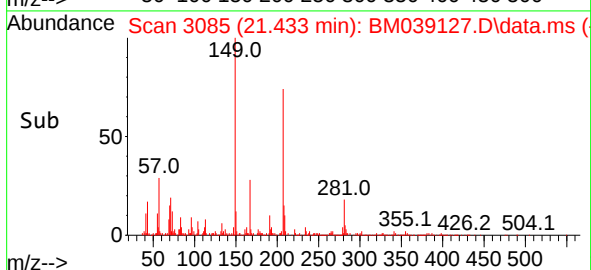
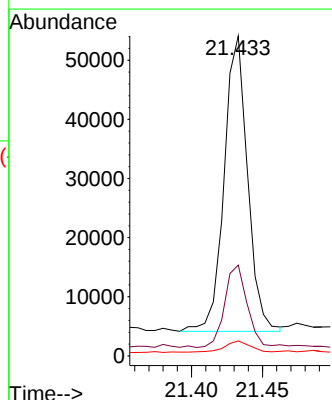
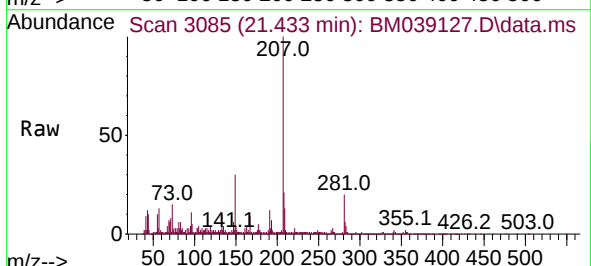
Tgt Ion:149 Resp: 57421

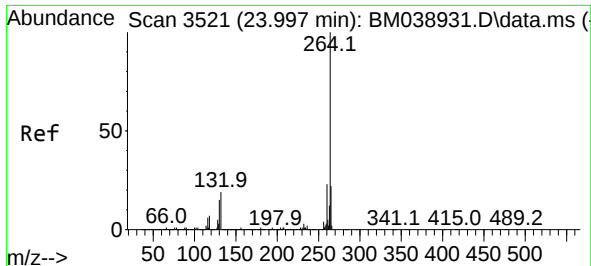
Ion Ratio Lower Upper

149 100

167 28.4 22.3 33.5

279 4.7 3.2 4.8

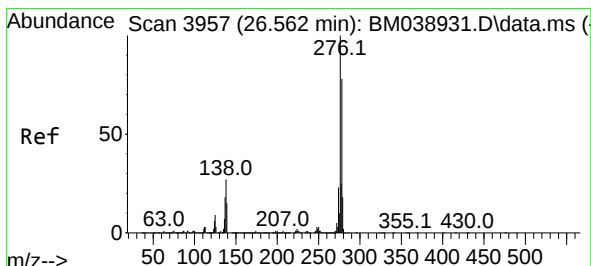
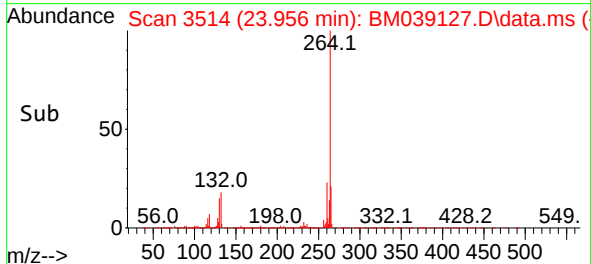
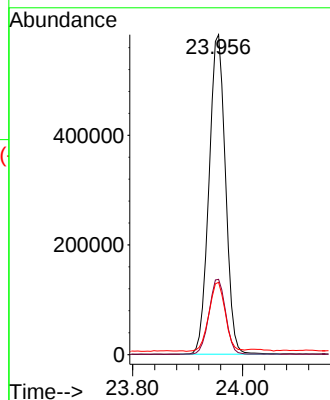
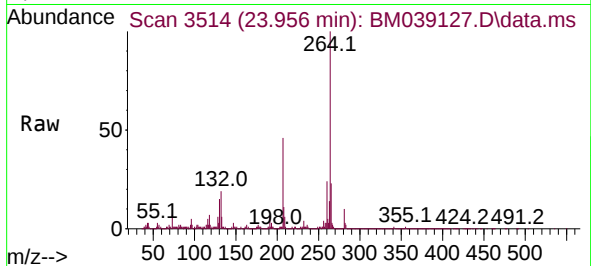




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.956 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

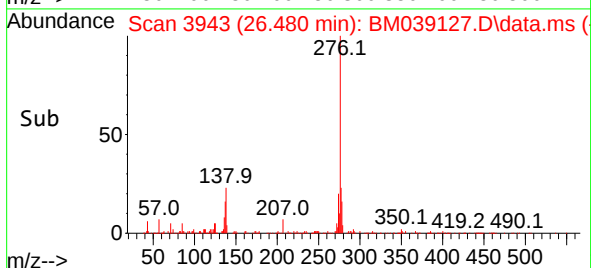
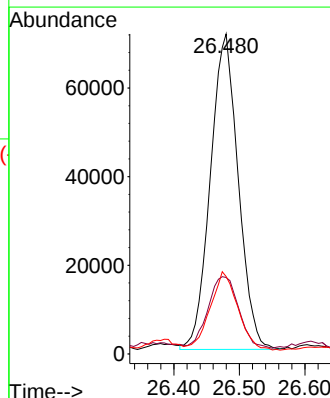
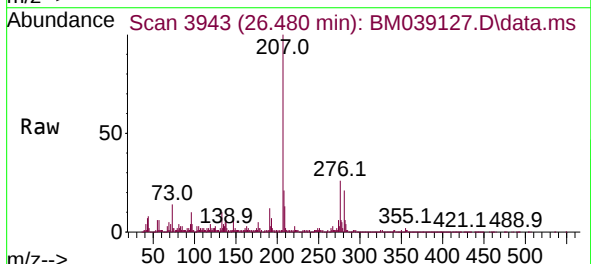
Instrument :
BNA_M
ClientSampleId :
SP-1

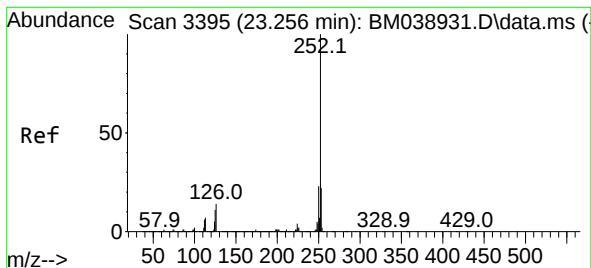
Tgt Ion:264 Resp: 1212399
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 22.6 17.9 26.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.283 ng
RT: 26.480 min Scan# 3943
Delta R.T. -0.017 min
Lab File: BM039127.D
Acq: 23 Mar 2023 21:58

Tgt Ion:276 Resp: 210578
Ion Ratio Lower Upper
276 100
138 24.8 22.1 33.1
277 24.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 5.426 ng

RT: 23.215 min Scan# 3395

Delta R.T. -0.006 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

Instrument :

BNA_M

ClientSampleId :

SP-1

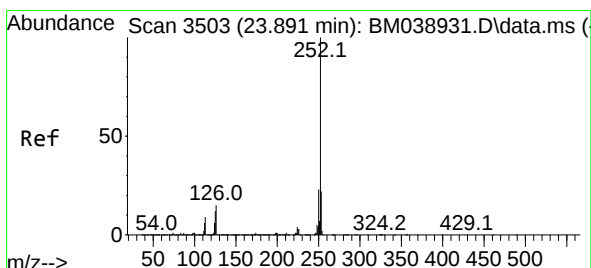
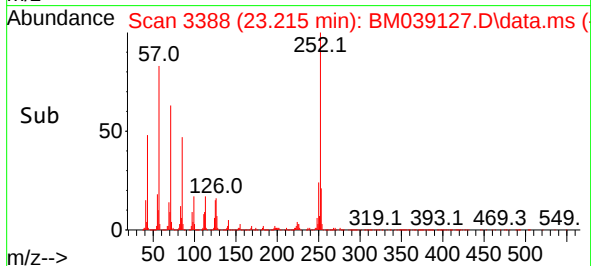
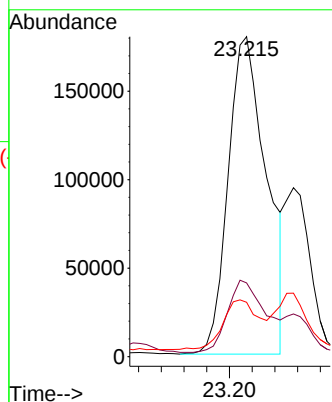
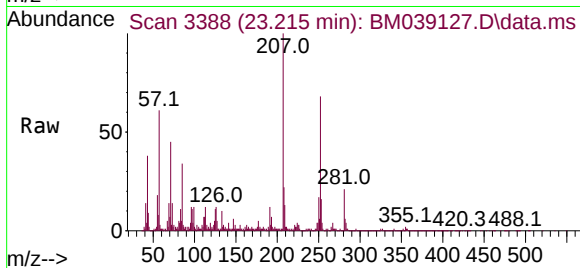
Tgt Ion:252 Resp: 420265

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 17.0 8.8 13.2#



#90

Benzo(a)pyrene

Concen: 3.184 ng

RT: 23.845 min Scan# 3495

Delta R.T. -0.012 min

Lab File: BM039127.D

Acq: 23 Mar 2023 21:58

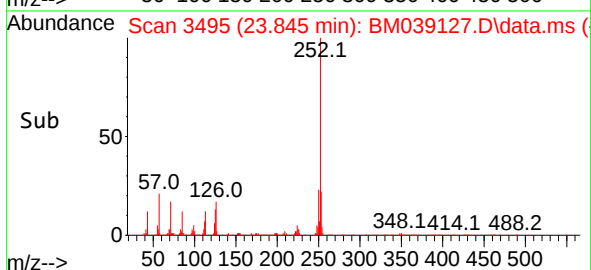
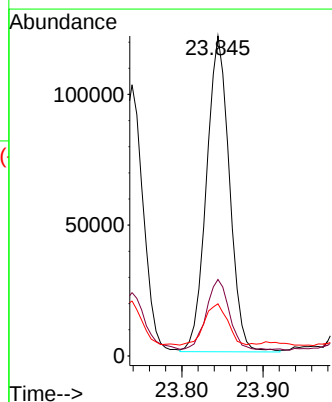
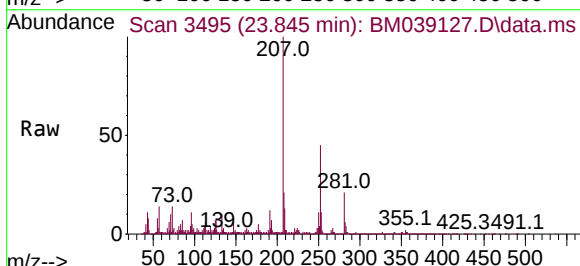
Tgt Ion:252 Resp: 237358

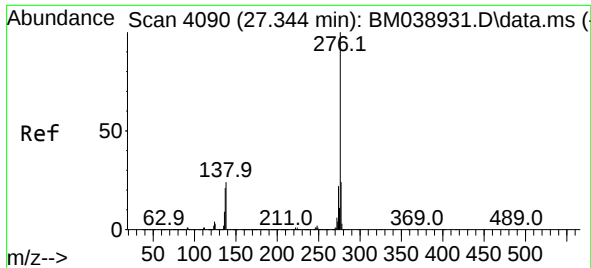
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

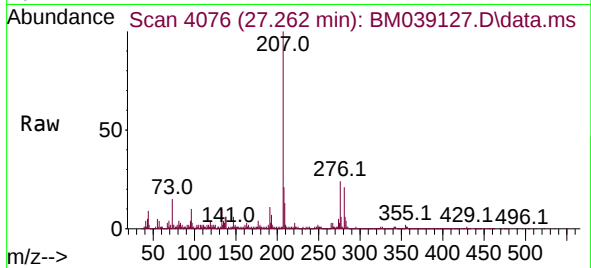
125 16.3 9.8 14.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.798 ng
 RT: 27.262 min Scan# 40
 Delta R.T. -0.012 min
 Lab File: BM039127.D
 Acq: 23 Mar 2023 21:58

Instrument :
 BNA_M
 ClientSampleId :
 SP-1



Tgt Ion:	276	Resp:	213854
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.3	28.9
138	26.1	19.0	28.6

