

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133559.D
 Acq On : 02 Jun 2023 13:24
 Operator : CG\JU
 Sample : 02985-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLYMOUTH-XRDS-001

Quant Time: Jun 02 13:58:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

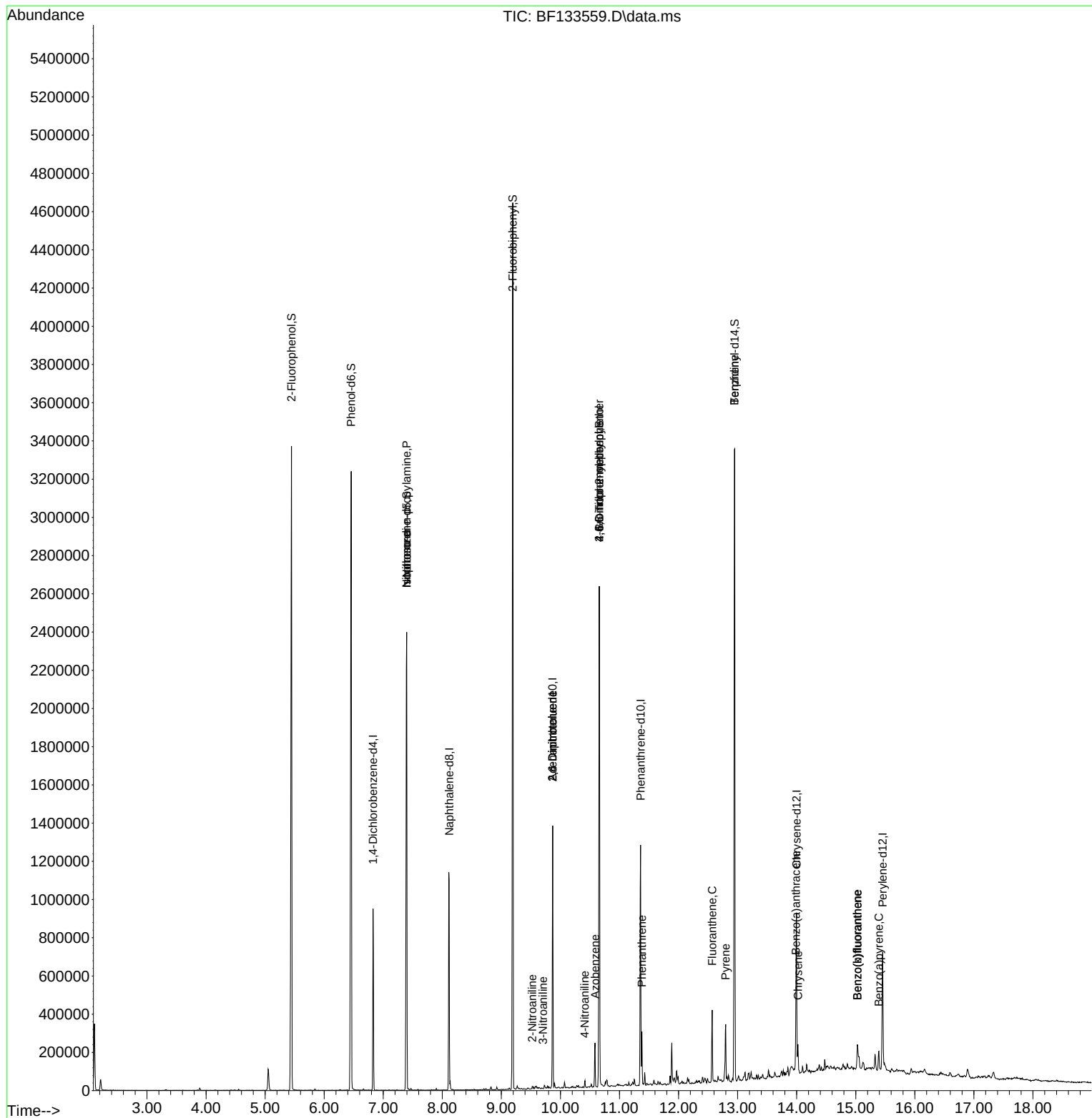
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	128996	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	494557	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	240438	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	442929	20.000	ng	0.00
76) Chrysene-d12	13.998	240	258473	20.000	ng	0.00
86) Perylene-d12	15.457	264	274212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	968028	125.207	ng	0.00
7) Phenol-d6	6.457	99	1182299	124.224	ng	0.00
23) Nitrobenzene-d5	7.398	82	757836	102.313	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	318723	132.983	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1343933	86.271	ng	0.00
79) Terphenyl-d14	12.951	244	1283664	88.301	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.375	77	61	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.398	70	105031	17.056	ng	# 74
25) Isophorone	7.398	82	755552	43.768	ng	# 65
48) 2-Nitroaniline	9.522	65	149	4.021	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	30464	12.436	ng	# 18
53) 3-Nitroaniline	9.704	138	61	3.194	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	30464	11.630	ng	# 15
62) 4-Nitroaniline	10.410	138	264	3.046	ng	# 19
63) Azobenzene	10.586	77	38728	2.205	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	653	9.007	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19828	4.215	ng	# 1
71) Phenanthrene	11.380	178	99164	4.420	ng	97
75) Fluoranthene	12.568	202	134476	5.427	ng	98
77) Benzidine	12.945	184	17590	2.327	ng	# 91
78) Pyrene	12.798	202	126230	5.739	ng	97
81) Benzo(a)anthracene	13.986	228	56225	3.265	ng	99
83) Chrysene	14.021	228	52867	3.041	ng	98
88) Benzo(b)fluoranthene	15.027	252	94676	5.302	ng	# 94
89) Benzo(k)fluoranthene	15.027	252	94676	5.438	ng	# 95
90) Benzo(a)pyrene	15.392	252	50988	3.138	ng	100

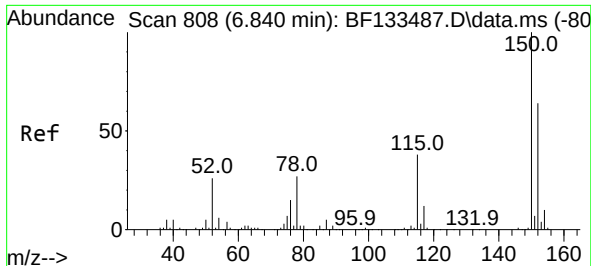
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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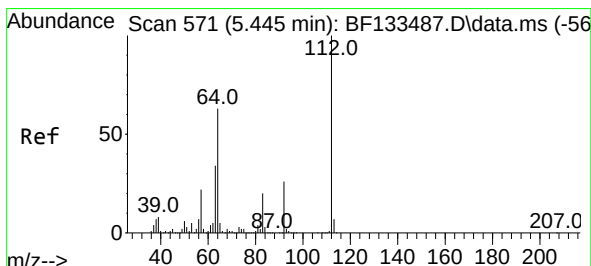
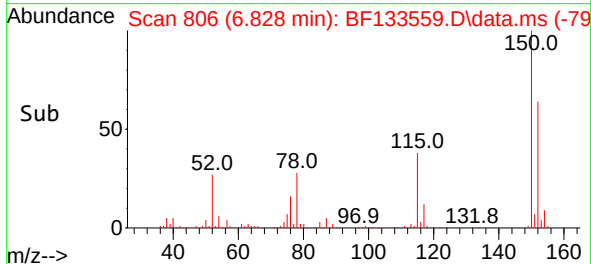
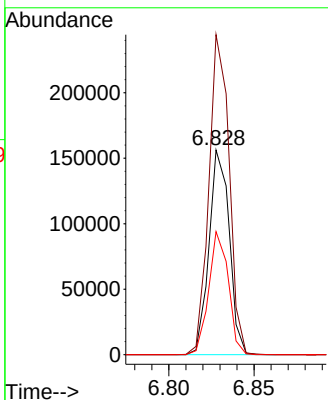
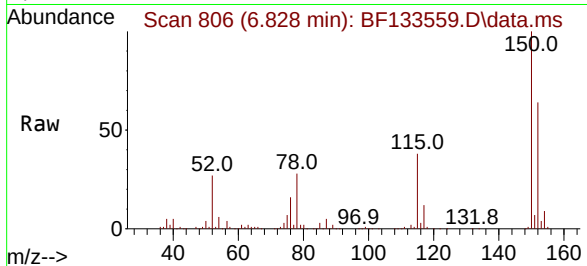




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

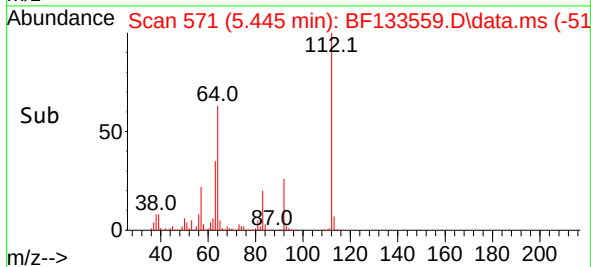
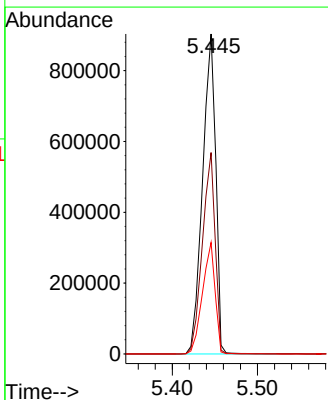
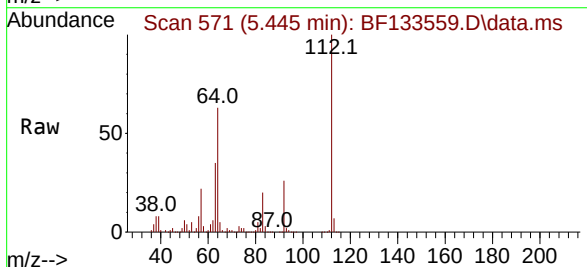
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

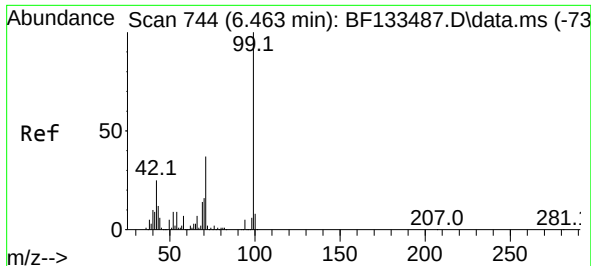
Tgt Ion:152 Resp: 128996
Ion Ratio Lower Upper
152 100
150 156.3 124.9 187.3
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 125.207 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:112 Resp: 968028
Ion Ratio Lower Upper
112 100
64 63.0 50.1 75.1
63 34.9 27.5 41.3



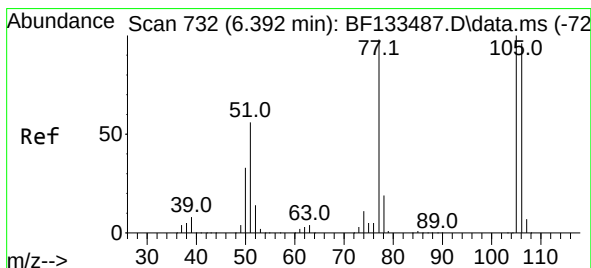
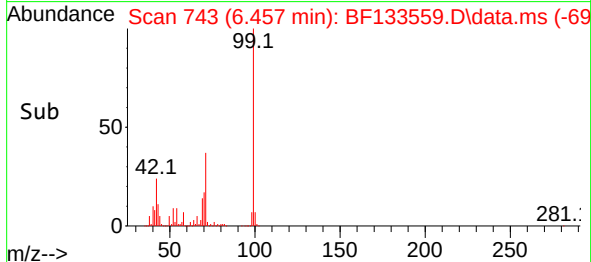
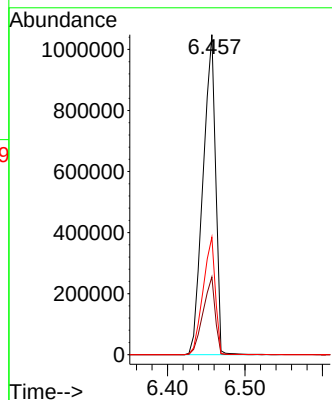
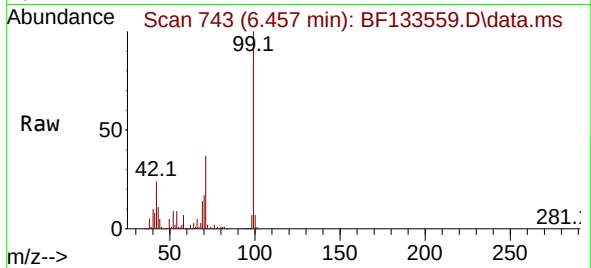


#7
Phenol-d6
Concen: 124.224 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

Tgt Ion: 99 Resp: 1182299

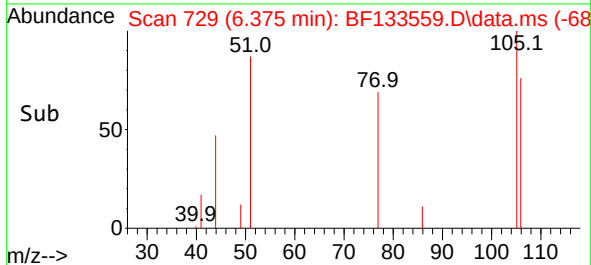
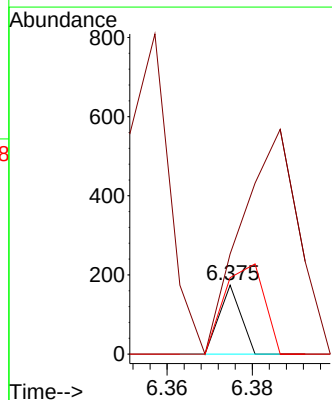
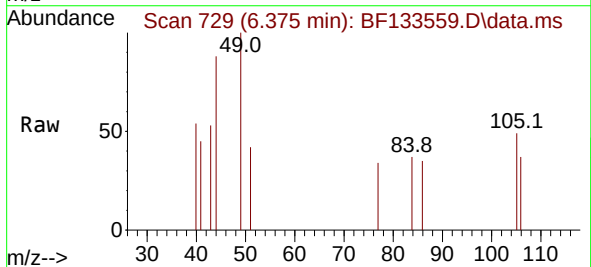
Ion	Ratio	Lower	Upper
99	100		
42	24.3	19.7	29.5
71	36.7	29.8	44.8

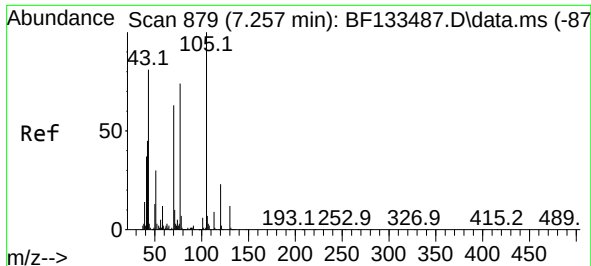


#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion: 77 Resp: 61

Ion	Ratio	Lower	Upper
77	100		
105	145.4	81.9	121.9
106	110.9	77.8	117.8

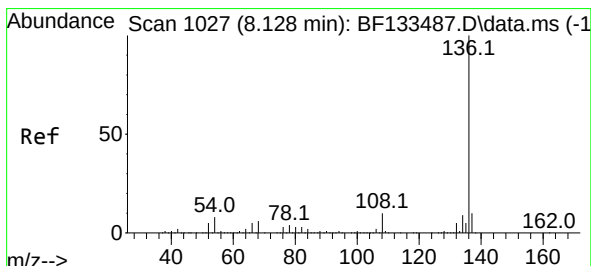
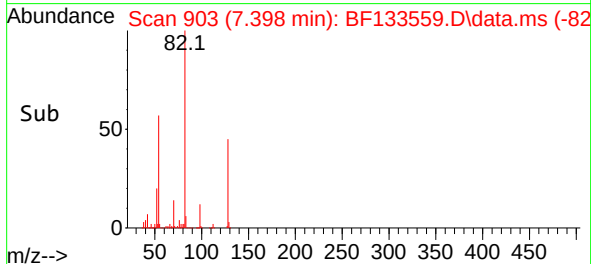
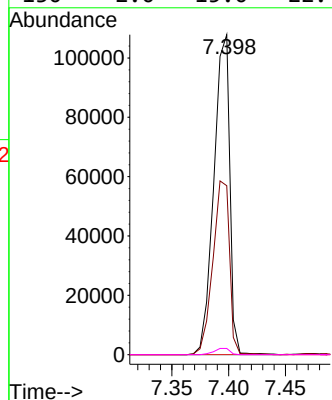
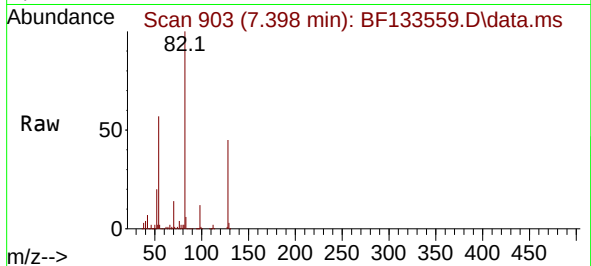




#19
n-Nitroso-di-n-propylamine
Concen: 17.056 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

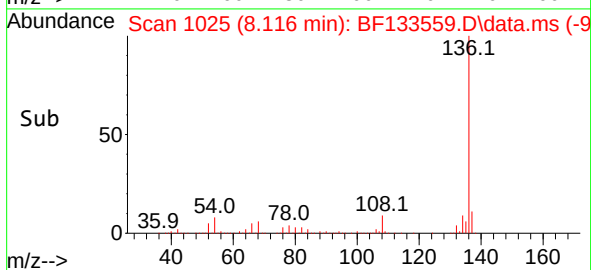
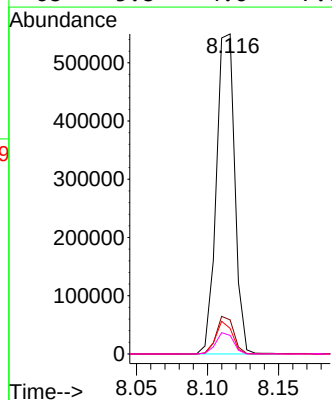
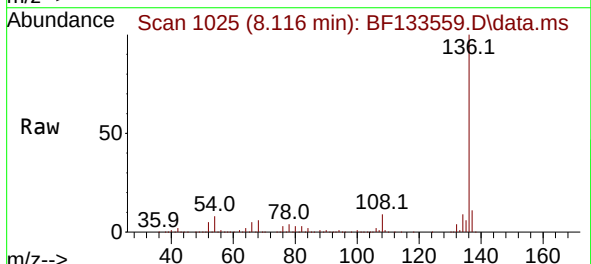
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

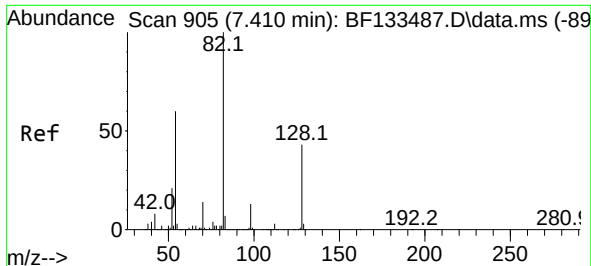
Tgt Ion: 70 Resp: 105031
Ion Ratio Lower Upper
70 100
42 52.8 57.2 85.8#
101 0.0 7.3 10.9#
130 2.0 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion: 136 Resp: 494557
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.0 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 102.313 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133559.D

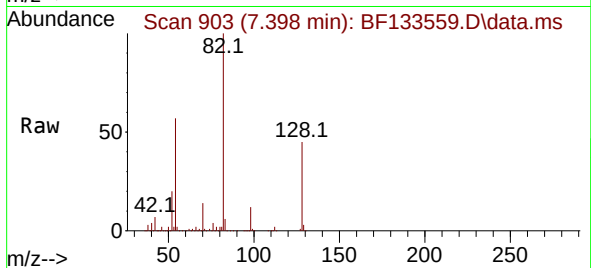
Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001



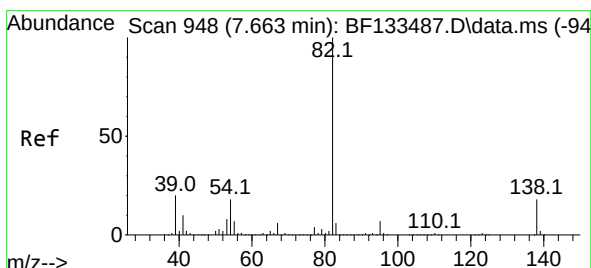
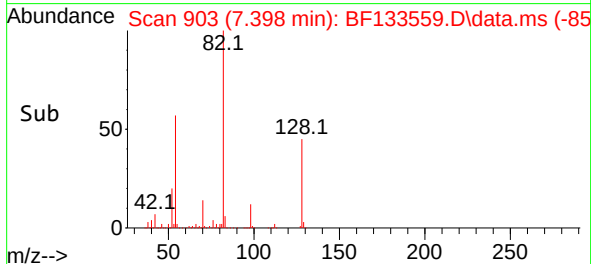
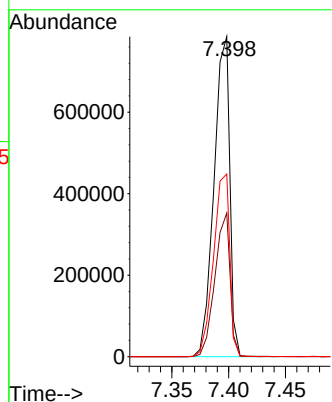
Tgt Ion: 82 Resp: 757836

Ion Ratio Lower Upper

82 100

128 44.9 34.2 51.4

54 57.1 48.2 72.4



#25

Isophorone

Concen: 43.768 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

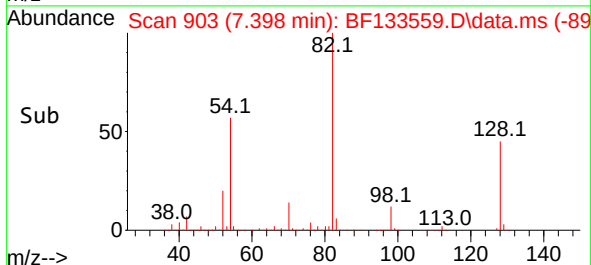
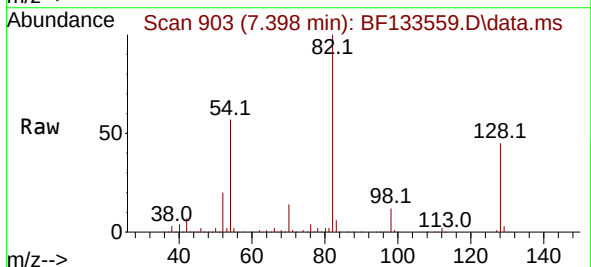
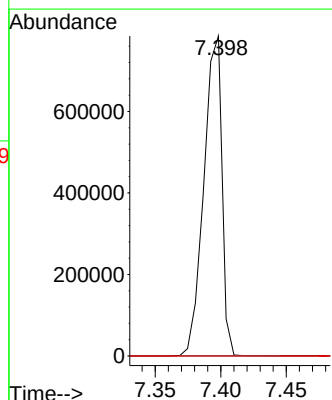
Tgt Ion: 82 Resp: 755552

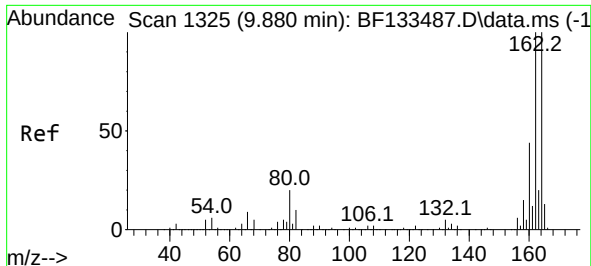
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001

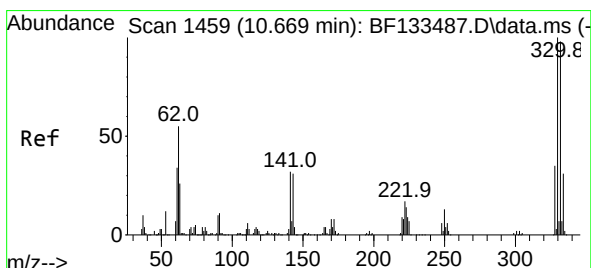
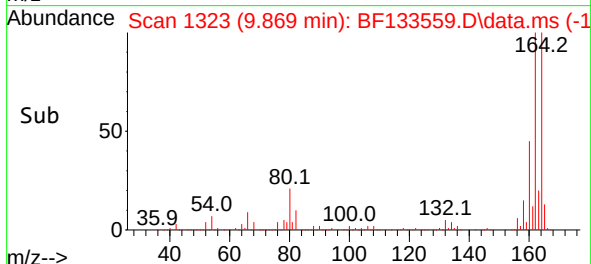
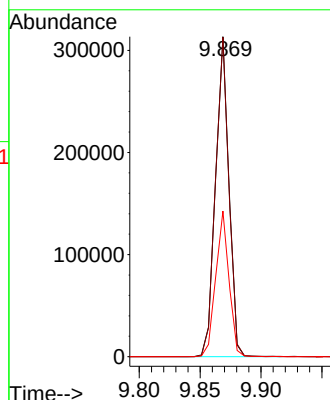
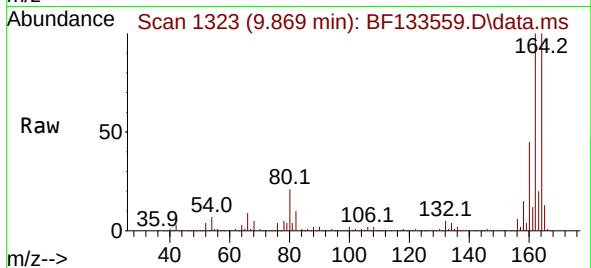
Tgt Ion:164 Resp: 240438

Ion Ratio Lower Upper

164 100

162 99.8 79.7 119.5

160 45.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 132.983 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

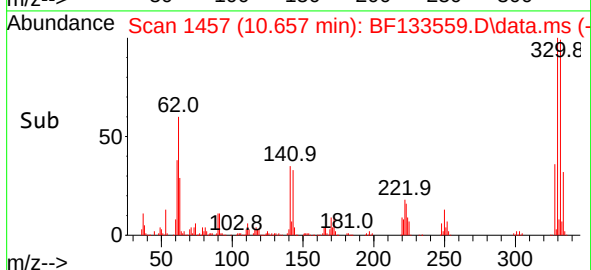
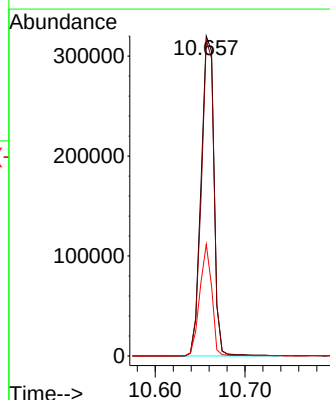
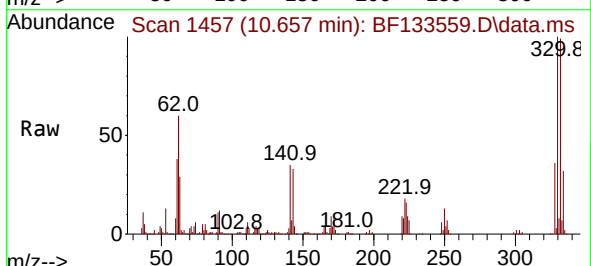
Tgt Ion:330 Resp: 318723

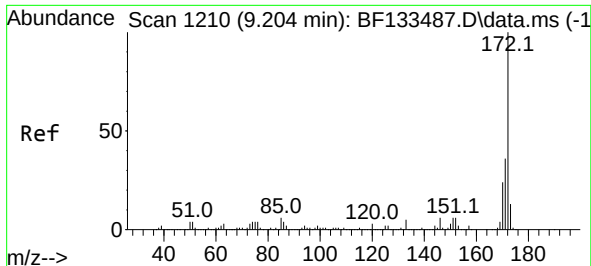
Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

141 32.9 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 86.271 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001

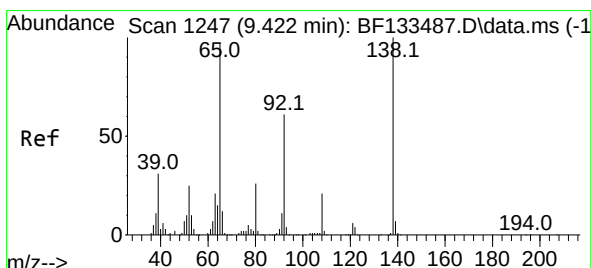
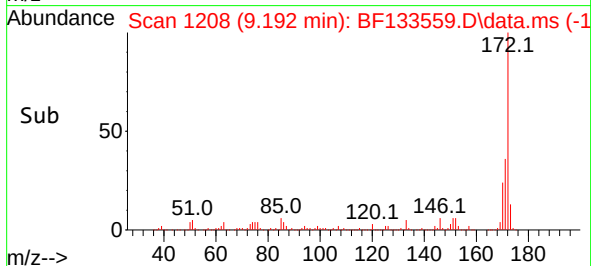
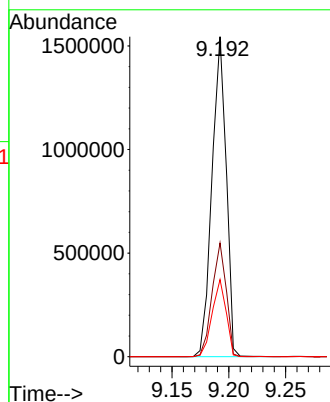
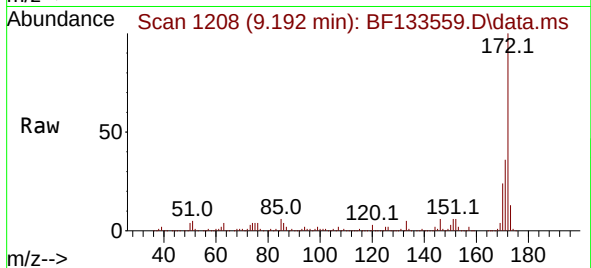
Tgt Ion:172 Resp: 1343933

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.1 19.3 28.9



#48

2-Nitroaniline

Concen: 4.021 ng

RT: 9.522 min Scan# 1264

Delta R.T. 0.106 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

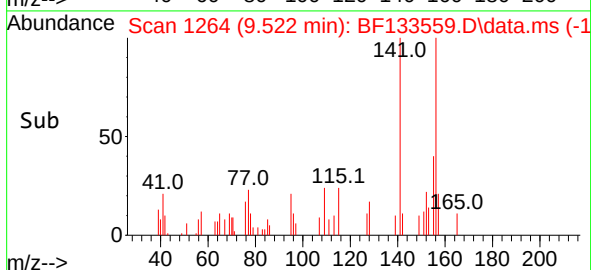
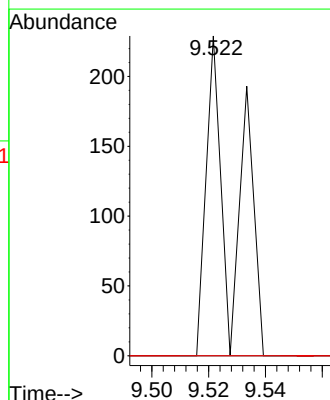
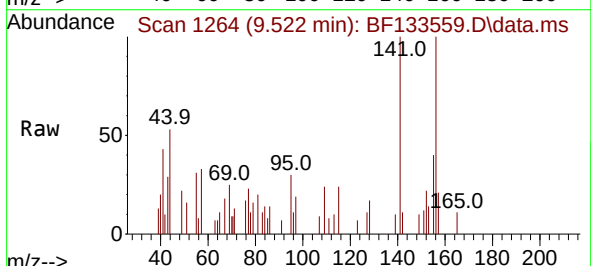
Tgt Ion: 65 Resp: 149

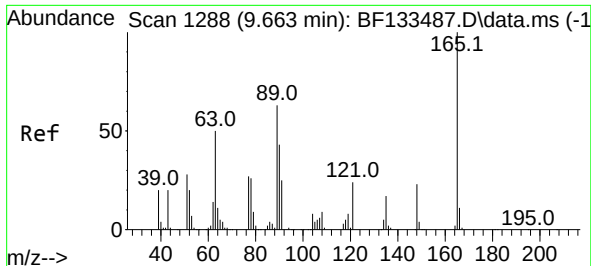
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#

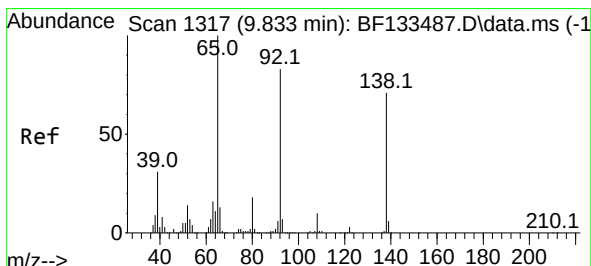
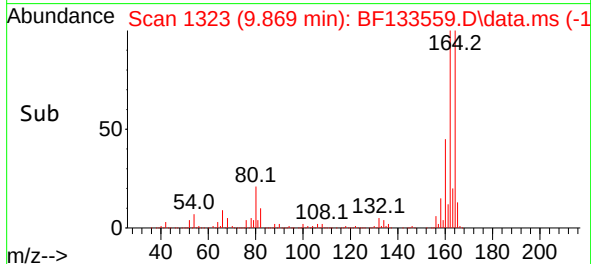
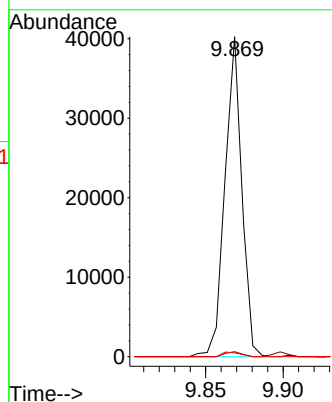
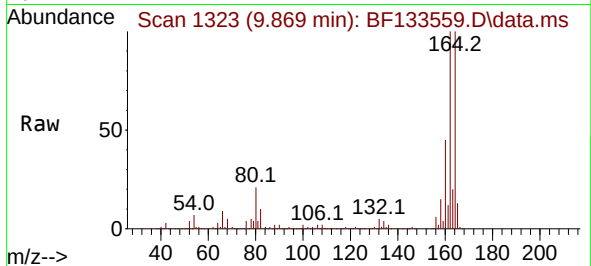




#51
2,6-Dinitrotoluene
Concen: 12.436 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

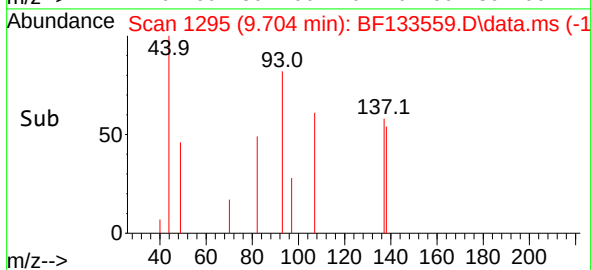
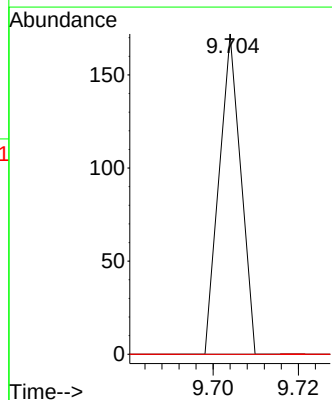
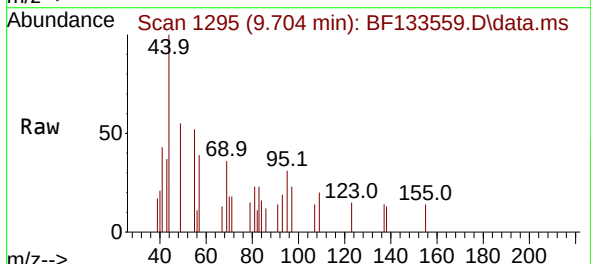
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

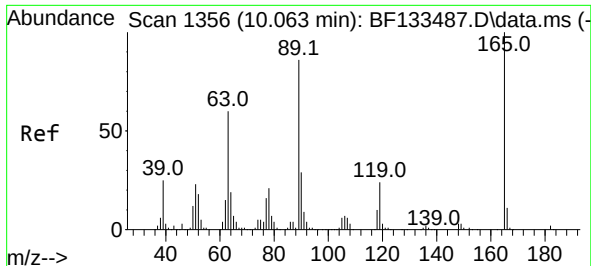
Tgt Ion:165 Resp: 30464
Ion Ratio Lower Upper
165 100
63 1.6 57.0 85.4#
89 1.2 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.194 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.124 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

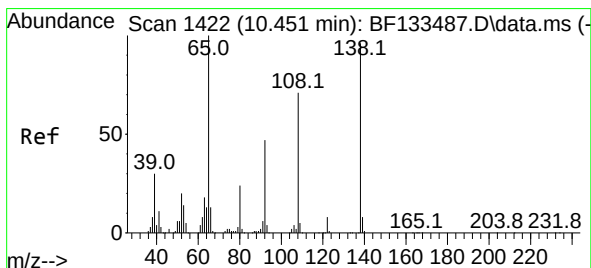
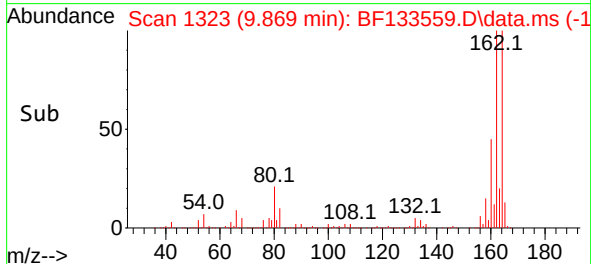
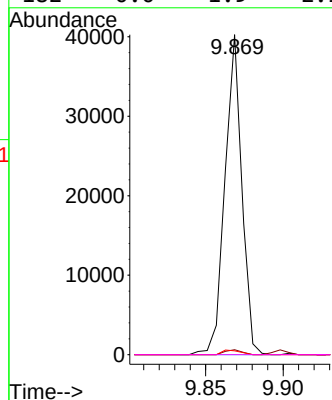
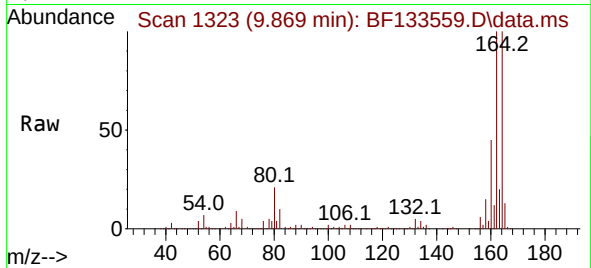




#57
2,4-Dinitrotoluene
Concen: 11.630 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

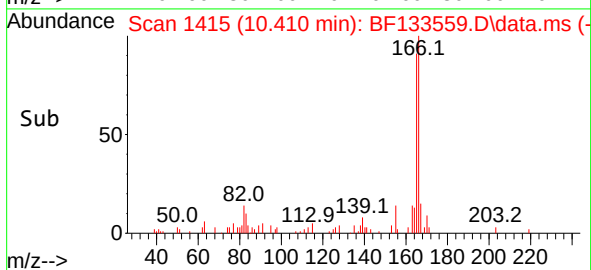
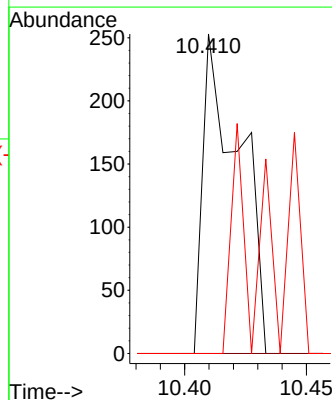
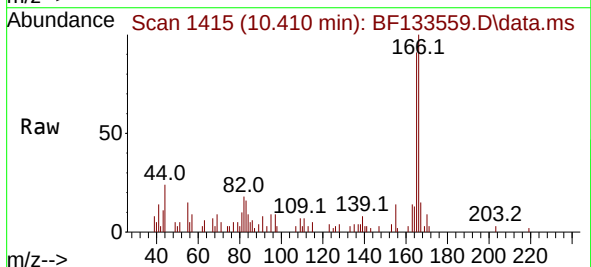
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

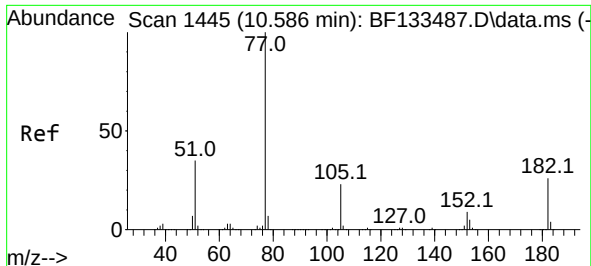
Tgt Ion:165 Resp: 30464
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.046 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.030 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:138 Resp: 264
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#

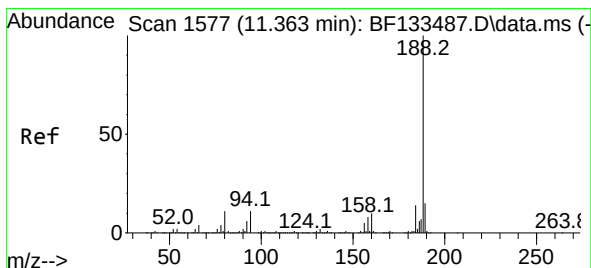
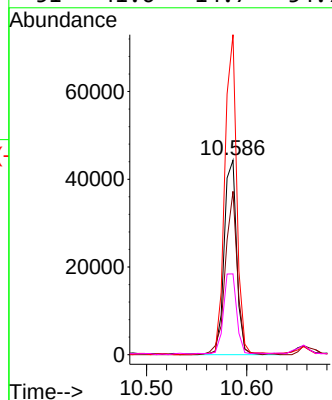
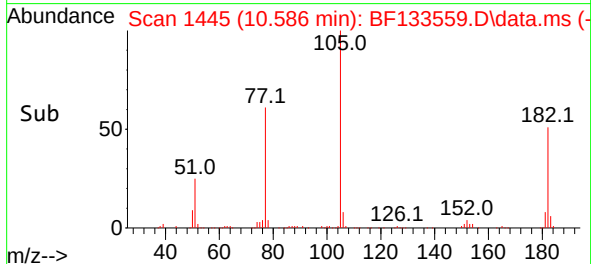
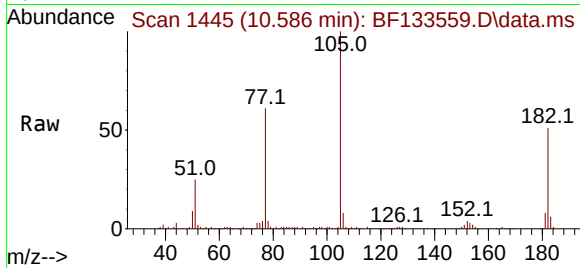




#63
Azobenzene
Concen: 2.205 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

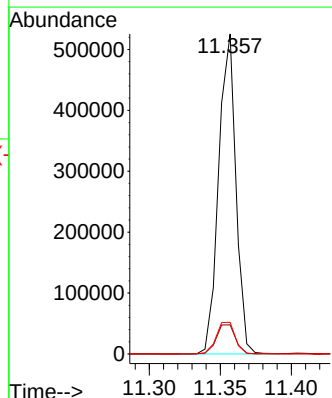
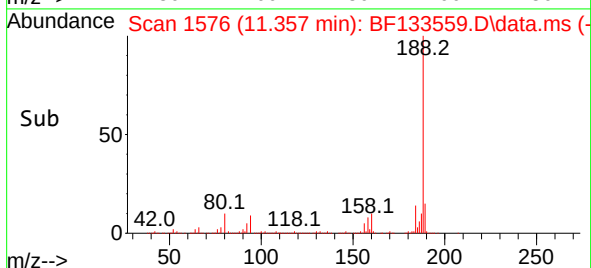
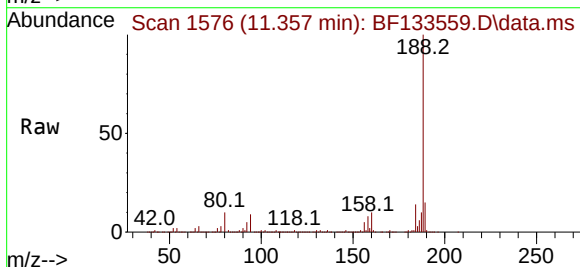
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

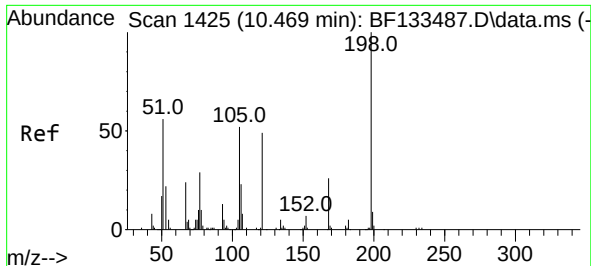
Tgt Ion: 77 Resp: 38728
Ion Ratio Lower Upper
77 100
182 84.1 5.6 45.6#
105 164.7 2.6 42.6#
51 41.6 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion: 188 Resp: 442929
Ion Ratio Lower Upper
188 100
94 9.1 8.6 12.8
80 9.9 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 9.007 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001

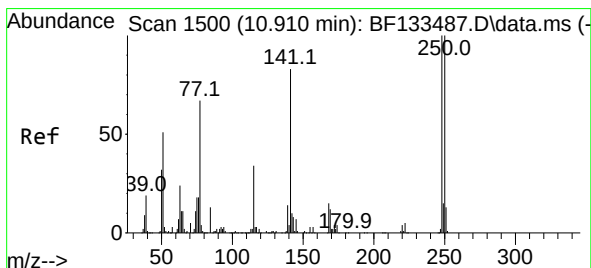
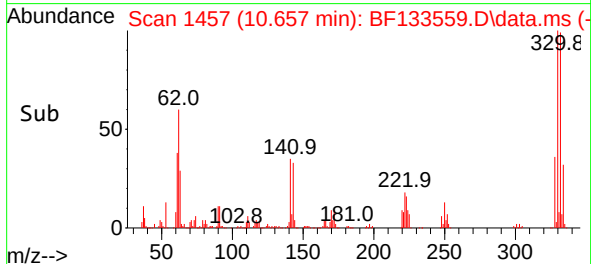
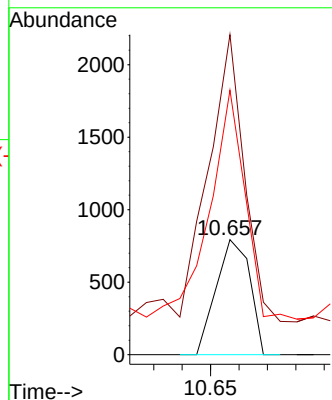
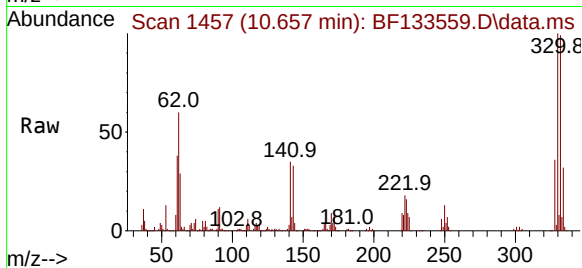
Tgt Ion:198 Resp: 653

Ion Ratio Lower Upper

198 100

51 278.0 53.6 93.6#

105 229.7 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 4.215 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

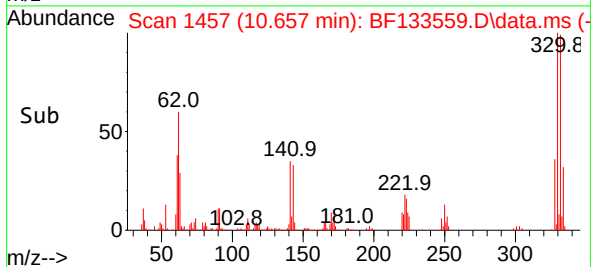
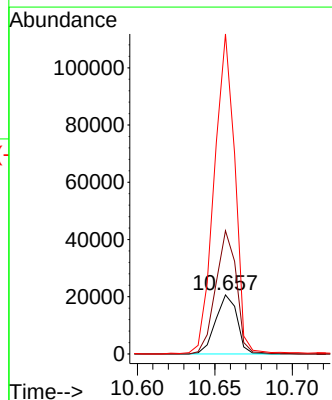
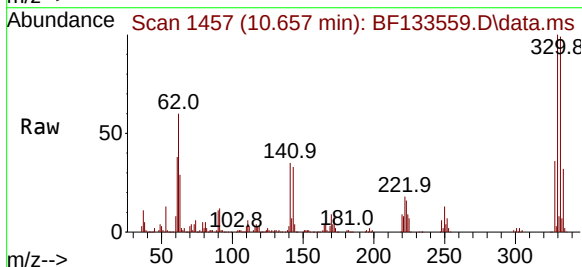
Tgt Ion:248 Resp: 19828

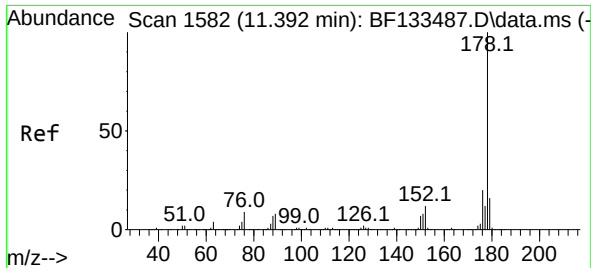
Ion Ratio Lower Upper

248 100

250 208.9 79.7 119.5#

141 542.6 66.6 100.0#

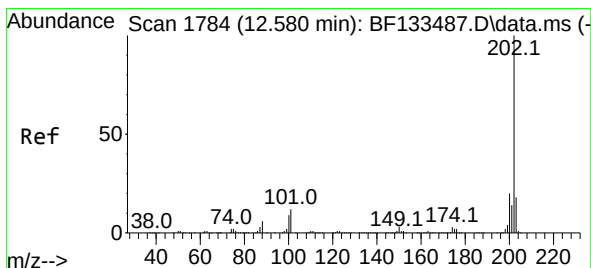
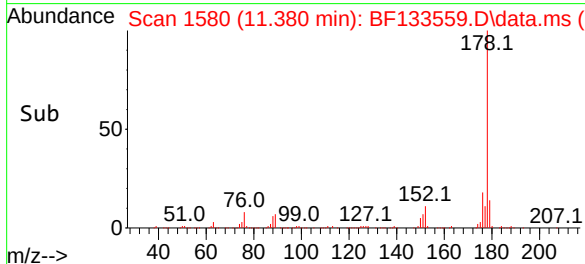
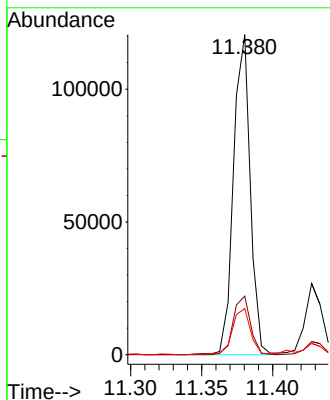
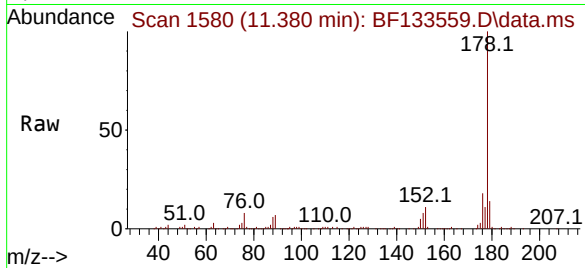




#71
Phenanthrene
Concen: 4.420 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

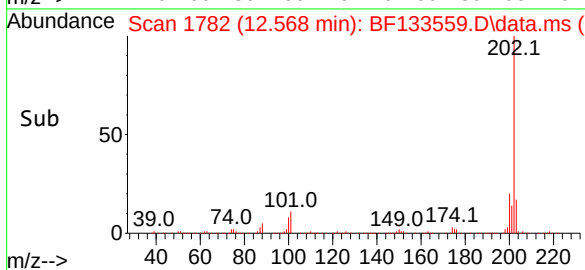
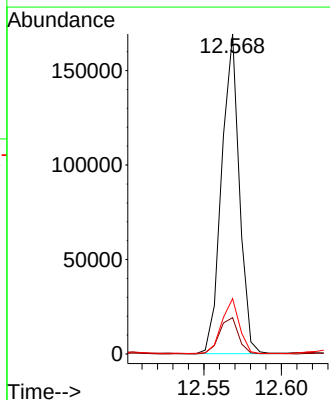
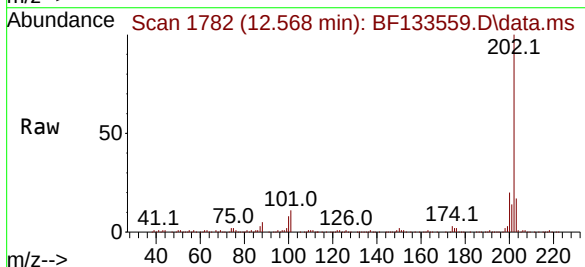
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

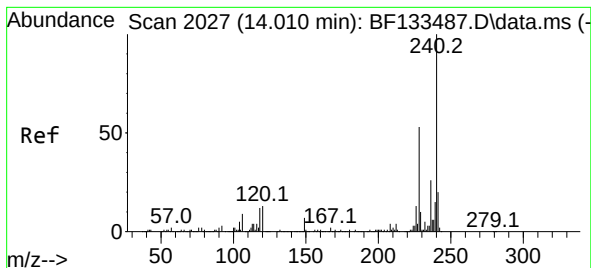
Tgt Ion:178 Resp: 99164
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 14.4 12.4 18.6



#75
Fluoranthene
Concen: 5.427 ng
RT: 12.568 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:202 Resp: 134476
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001

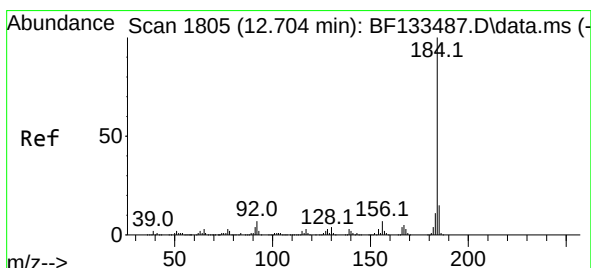
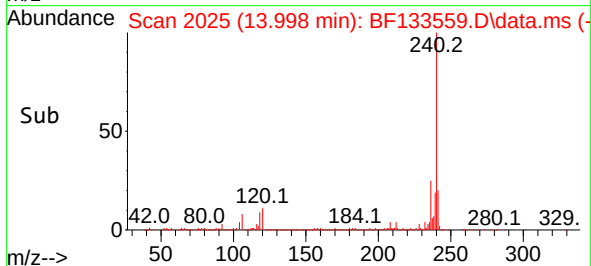
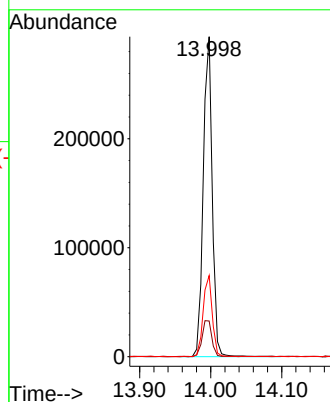
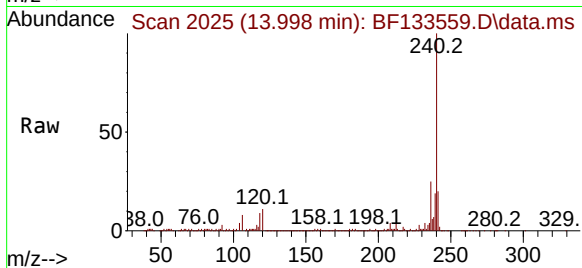
Tgt Ion:240 Resp: 258473

Ion Ratio Lower Upper

240 100

120 11.2 10.3 15.5

236 25.4 20.5 30.7



#77

Benzidine

Concen: 2.327 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

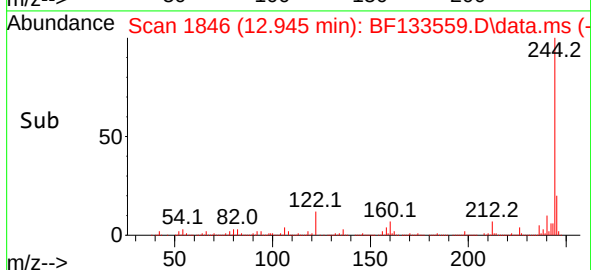
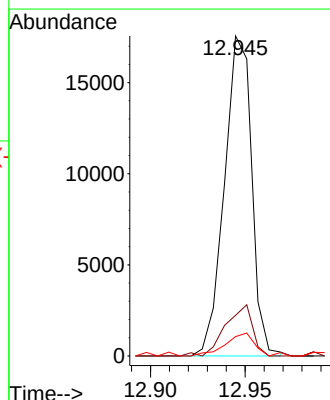
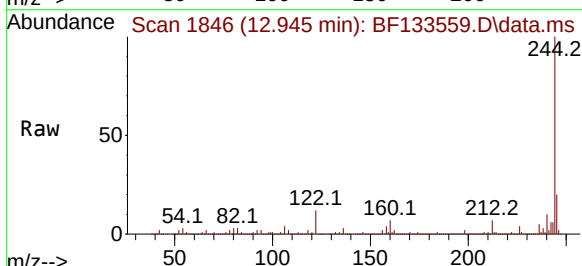
Tgt Ion:184 Resp: 17590

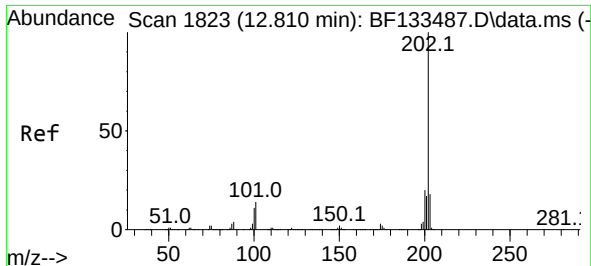
Ion Ratio Lower Upper

184 100

185 12.7 12.2 18.2

183 6.0 8.7 13.1#

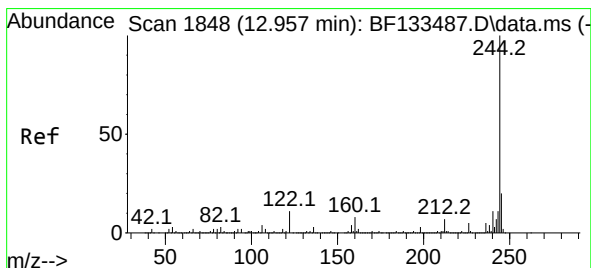
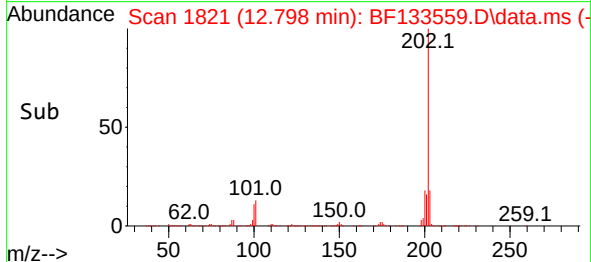
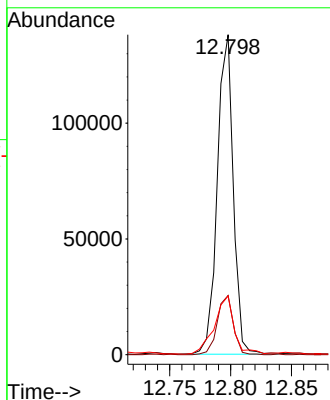
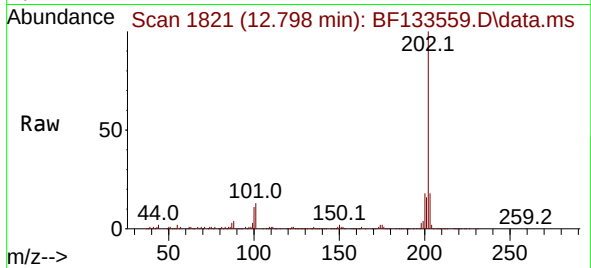




#78
Pyrene
Concen: 5.739 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

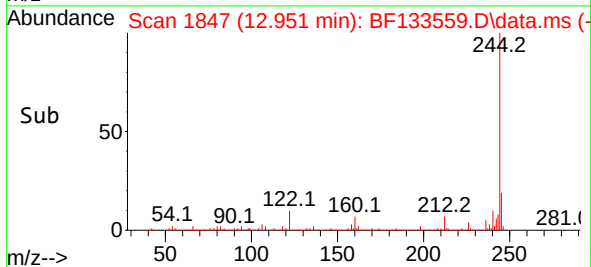
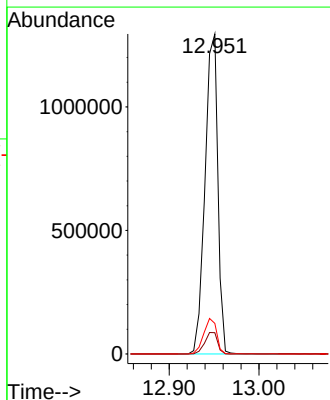
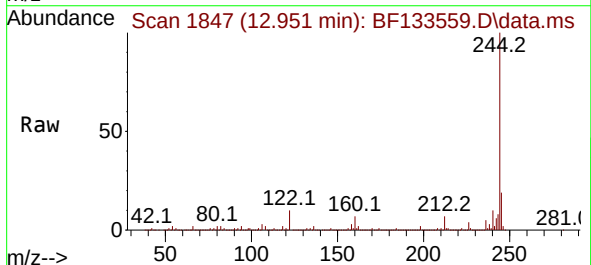
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

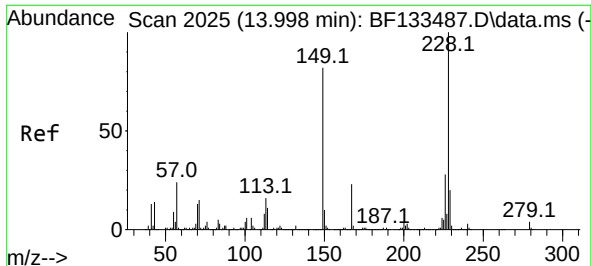
Tgt Ion:202 Resp: 126230
Ion Ratio Lower Upper
202 100
200 18.5 16.3 24.5
203 18.3 14.3 21.5



#79
Terphenyl-d14
Concen: 88.301 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:244 Resp: 1283664
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.6 8.5 12.7

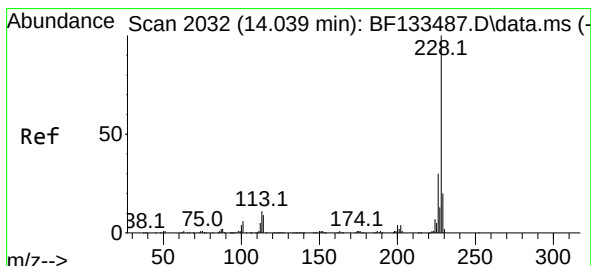
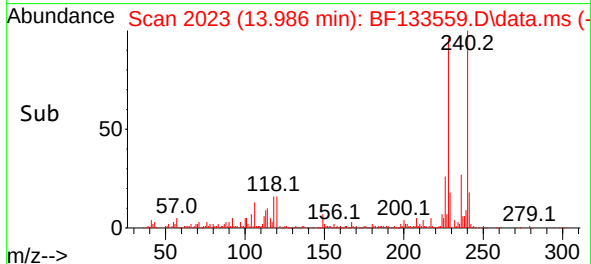
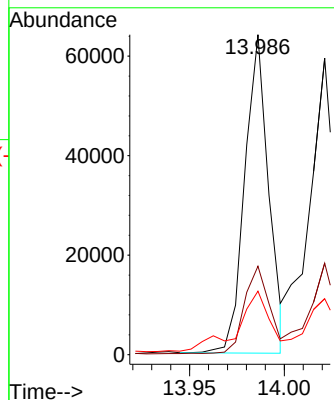
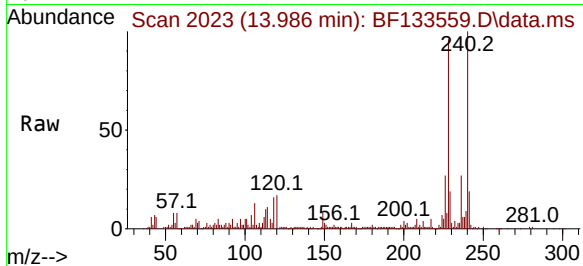




#81
Benzo(a)anthracene
Concen: 3.265 ng
RT: 13.986 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

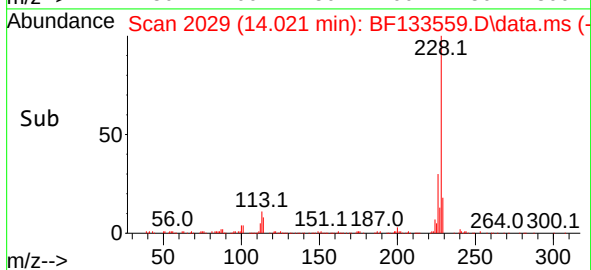
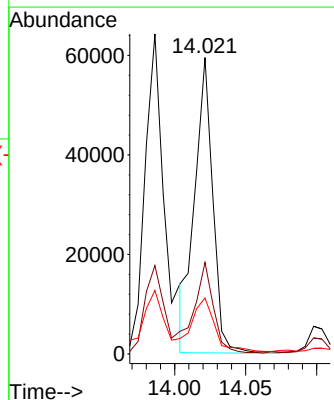
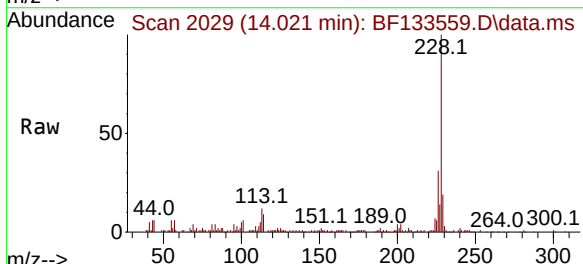
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

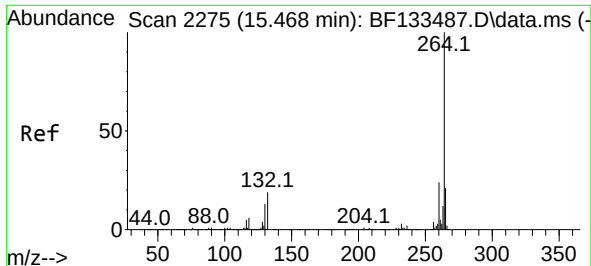
Tgt Ion:228 Resp: 56225
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 19.8 16.1 24.1



#83
Chrysene
Concen: 3.041 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:228 Resp: 52867
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 18.9 15.8 23.8

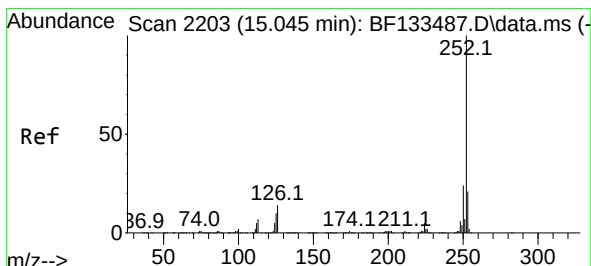
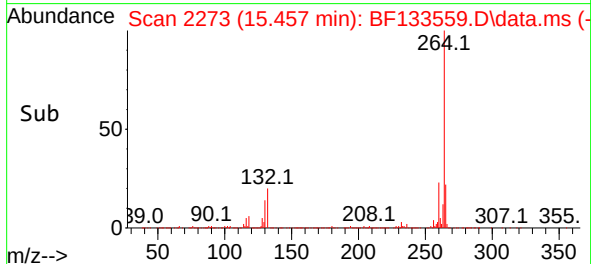
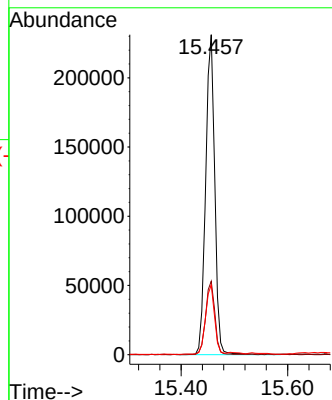
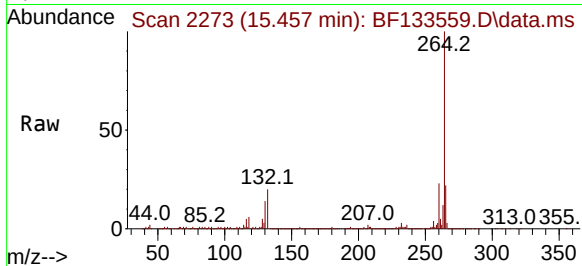




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

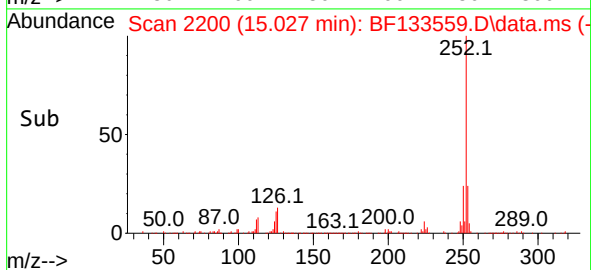
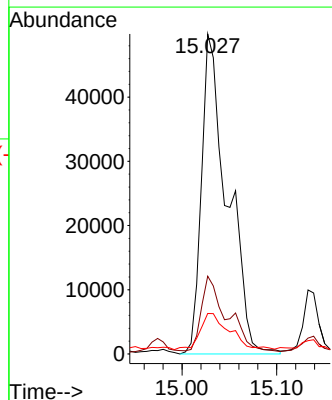
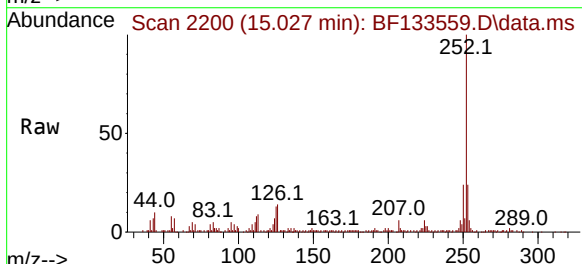
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

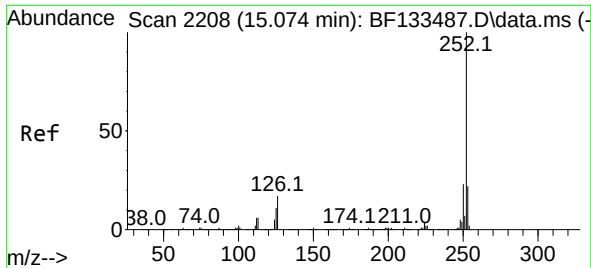
Tgt Ion:264 Resp: 274212
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 21.8 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 5.302 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:252 Resp: 94676
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 12.7 8.1 12.1#

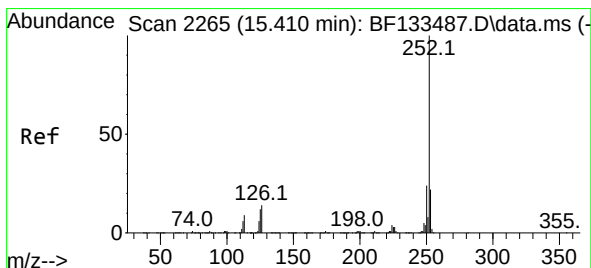
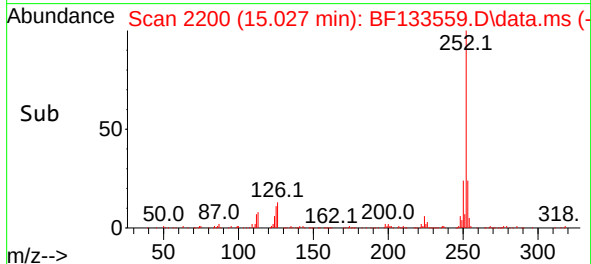
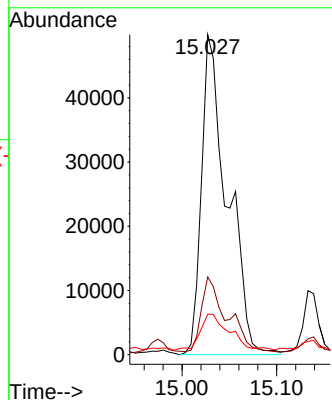
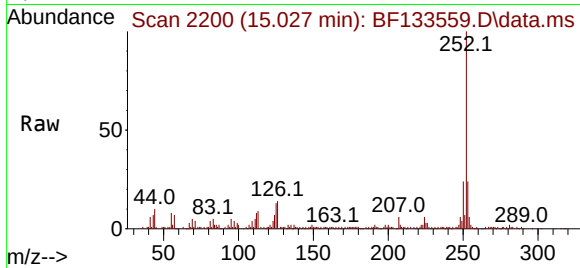




#89
Benzo(k)fluoranthene
Concen: 5.438 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

Tgt Ion:252 Resp: 94676
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 12.7 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 3.138 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:252 Resp: 50988
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 11.9 9.4 14.0

