

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133558.D
 Acq On : 02 Jun 2023 12:53
 Operator : CG\JU
 Sample : 02985-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLYMOUTH-ENG-001

Quant Time: Jun 02 13:24:53 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)

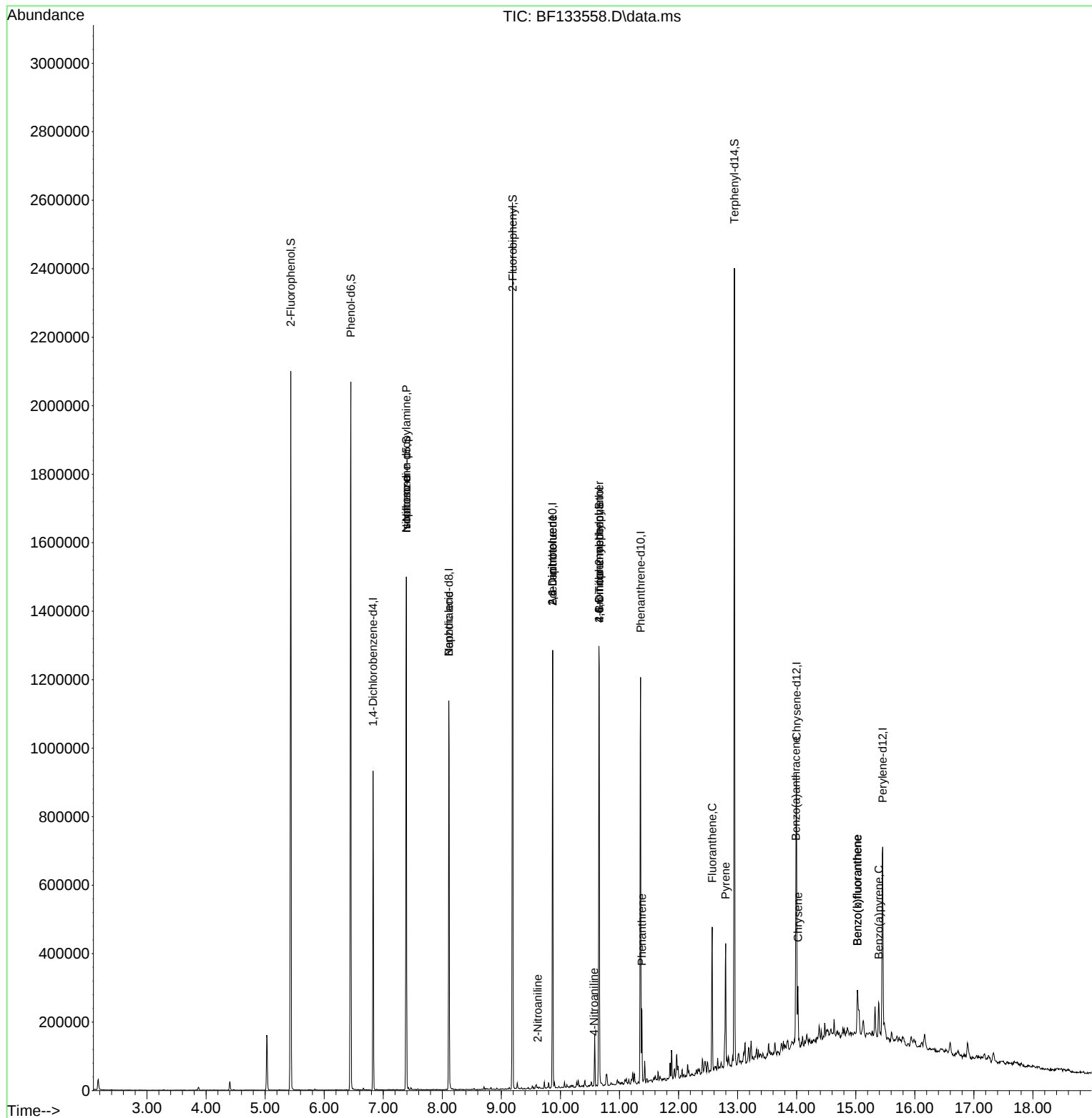
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	122395	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	470138	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	226006	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	421033	20.000	ng	0.00
76) Chrysene-d12	13.998	240	243122	20.000	ng	0.00
86) Perylene-d12	15.457	264	264276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	513232	69.963	ng	0.00
7) Phenol-d6	6.451	99	633975	70.204	ng	-0.01
23) Nitrobenzene-d5	7.392	82	403328	57.280	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	150147	66.647	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	810503	55.351	ng	0.00
79) Terphenyl-d14	12.945	244	750392	54.877	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	193	Below Cal	#	39
19) n-Nitroso-di-n-propyla...	7.392	70	54659	9.355	ng	# 77
25) Isophorone	7.392	82	403324	24.577	ng	# 65
32) Benzoic acid	8.110	122	65	7.361	ng	# 1
48) 2-Nitroaniline	9.616	65	55	4.002	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	29707	12.764	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	29707	11.887	ng	# 15
62) 4-Nitroaniline	10.569	138	61	3.000	ng	# 45
65) 4,6-Dinitro-2-methylph...	10.657	198	360	8.883	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	9265	2.072	ng	# 1
71) Phenanthrene	11.380	178	78005	3.658	ng	98
75) Fluoranthene	12.569	202	161636	6.862	ng	99
78) Pyrene	12.798	202	144202	6.970	ng	97
81) Benzo(a)anthracene	13.986	228	68615	4.237	ng	94
83) Chrysene	14.021	228	61441	3.758	ng	97
88) Benzo(b)fluoranthene	15.027	252	100224	5.824	ng	# 88
89) Benzo(k)fluoranthene	15.027	252	100224	5.973	ng	# 89
90) Benzo(a)pyrene	15.392	252	51669	3.300	ng	# 94

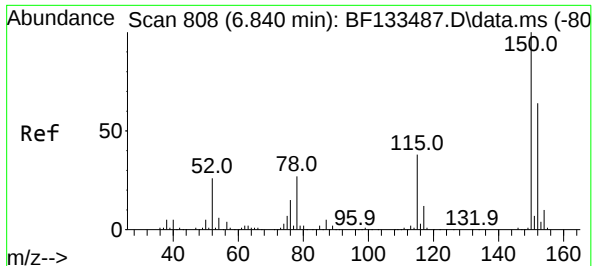
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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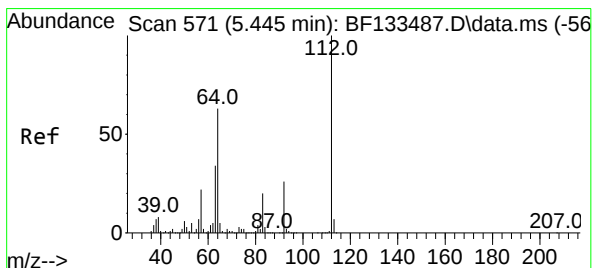
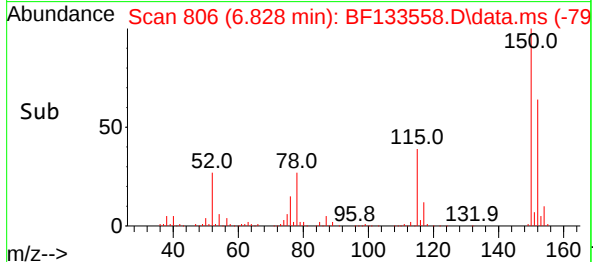
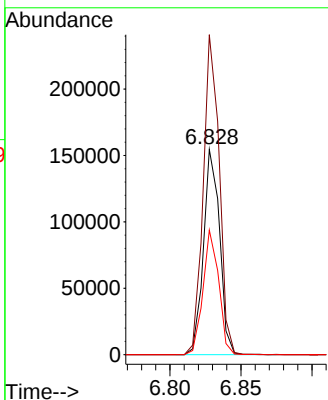
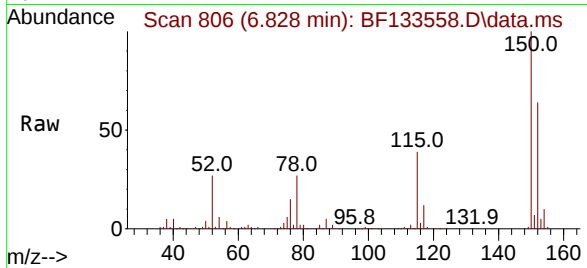




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

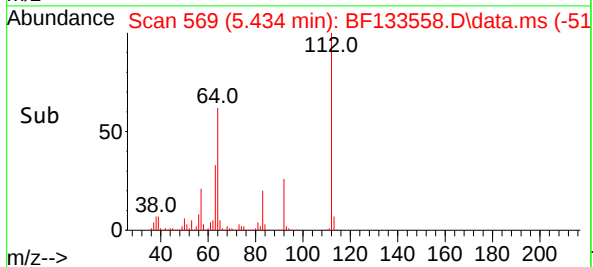
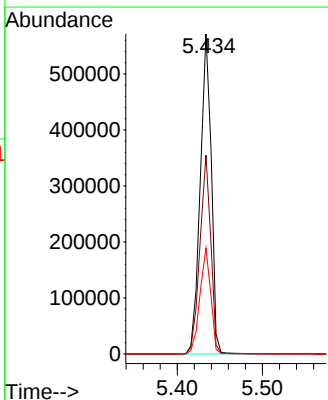
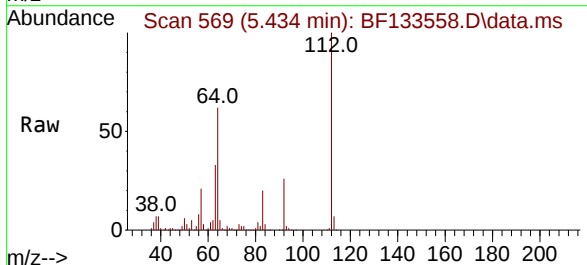
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

Tgt Ion:152 Resp: 122395
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 60.7 48.1 72.1



#5
2-Fluorophenol
Concen: 69.963 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:112 Resp: 513232
Ion Ratio Lower Upper
112 100
64 62.2 50.1 75.1
63 33.1 27.5 41.3

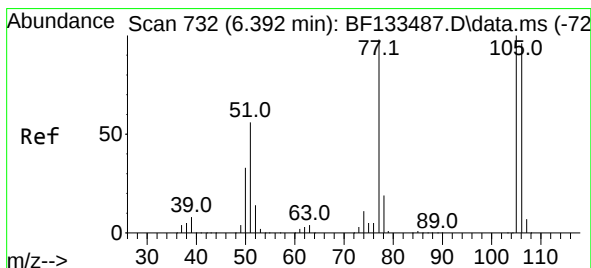
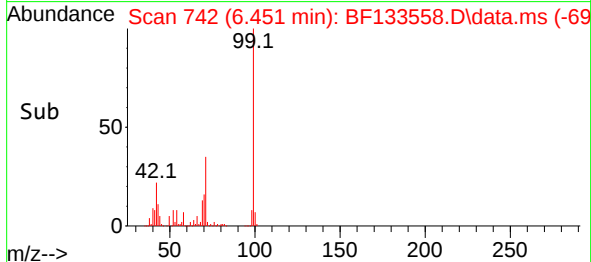
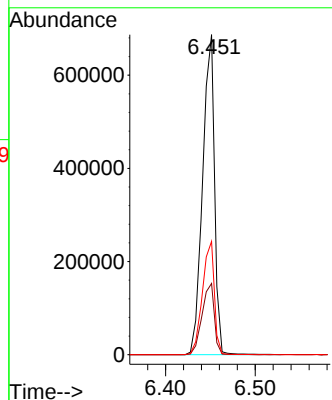
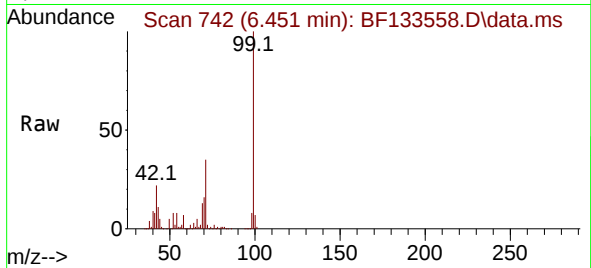




#7
Phenol-d6
Concen: 70.204 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

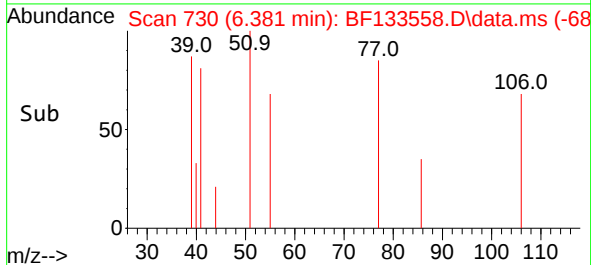
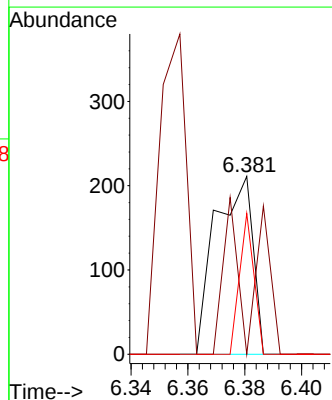
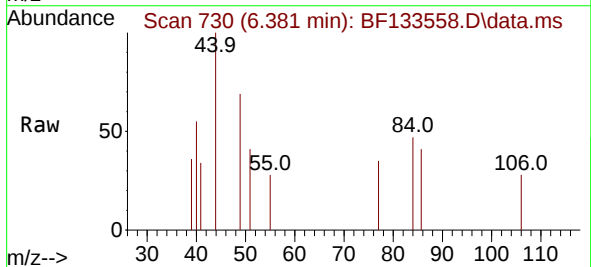
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

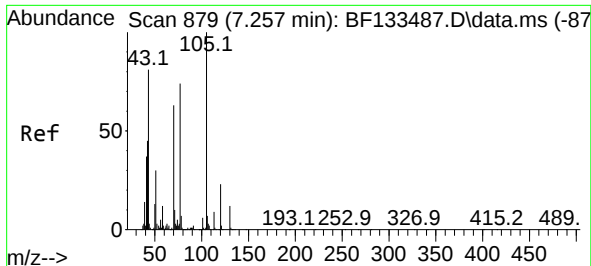
Tgt Ion: 99 Resp: 633975
Ion Ratio Lower Upper
99 100
42 22.2 19.7 29.5
71 35.4 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion: 77 Resp: 193
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 79.1 77.8 117.8

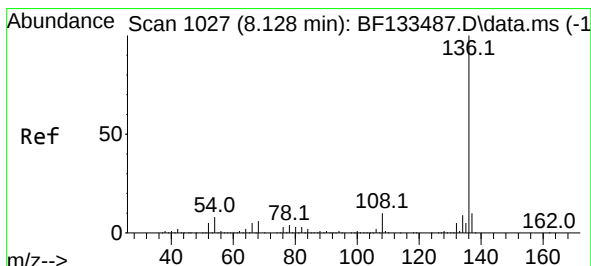
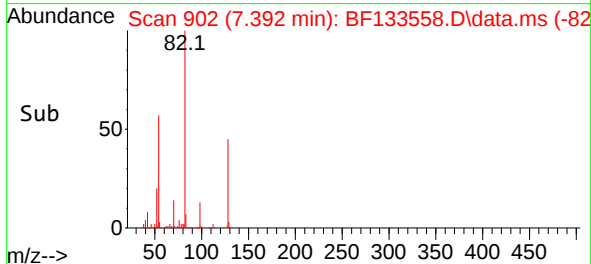
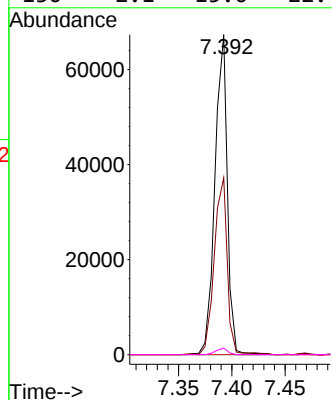
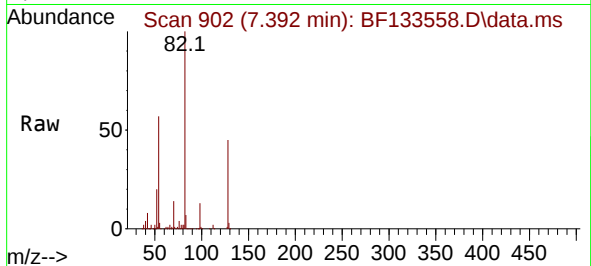




#19
n-Nitroso-di-n-propylamine
Concen: 9.355 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

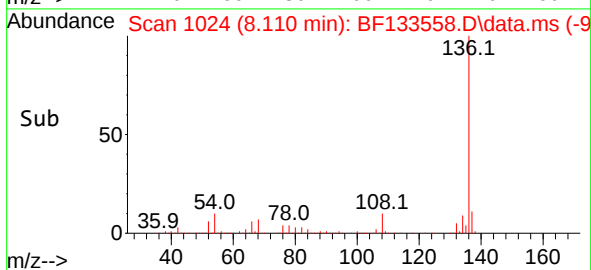
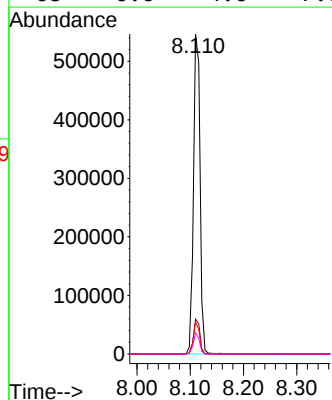
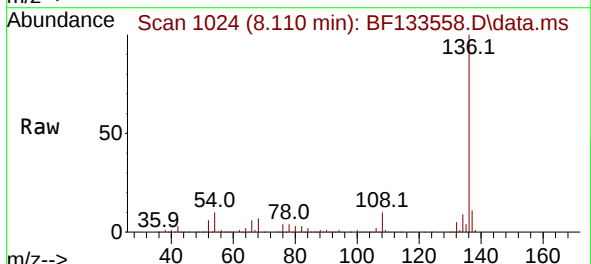
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

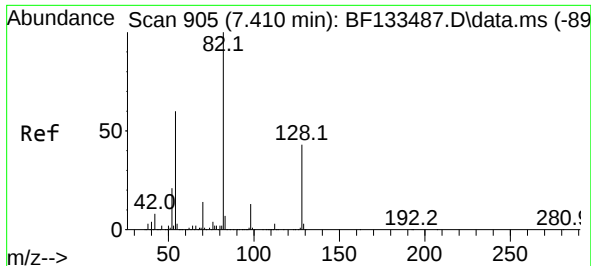
Tgt Ion:	70	Resp:	54659
Ion	Ratio	Lower	Upper
70	100		
42	55.2	57.2	85.8#
101	0.0	7.3	10.9#
130	2.1	15.0	22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:	136	Resp:	470138
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	10.0	6.6	10.0#
68	6.6	4.6	7.0





#23

Nitrobenzene-d5

Concen: 57.280 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

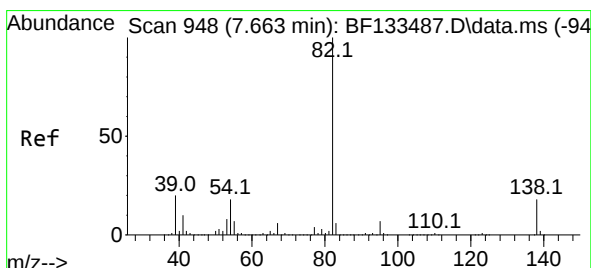
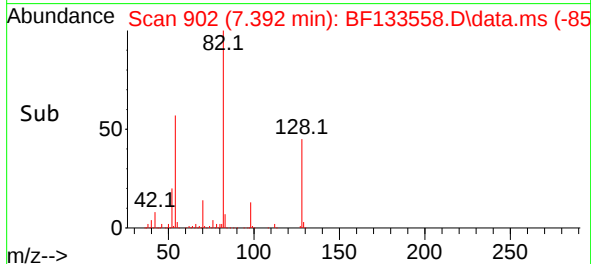
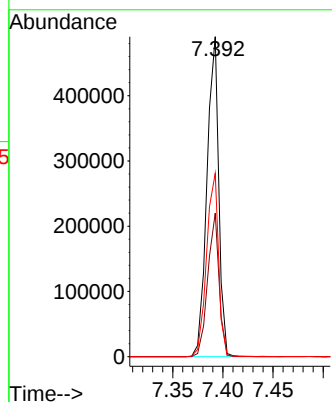
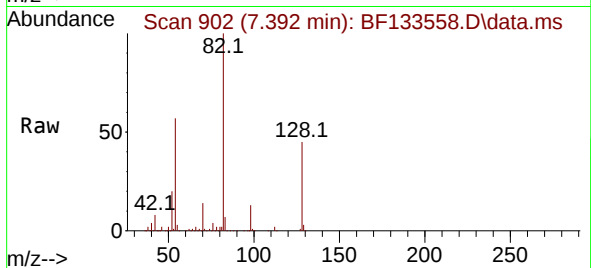
Tgt Ion: 82 Resp: 403328

Ion Ratio Lower Upper

82 100

128 44.9 34.2 51.4

54 57.3 48.2 72.4



#25

Isophorone

Concen: 24.577 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

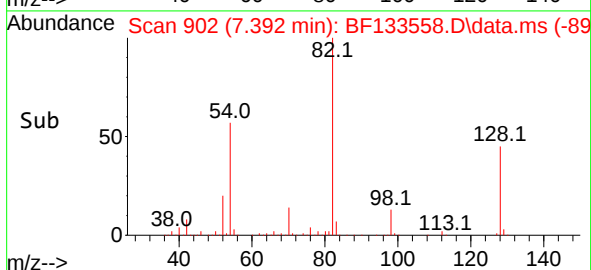
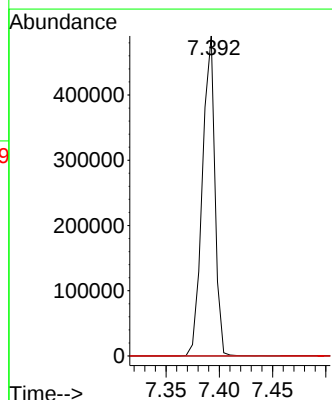
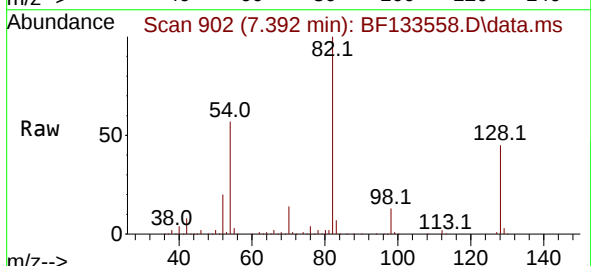
Tgt Ion: 82 Resp: 403324

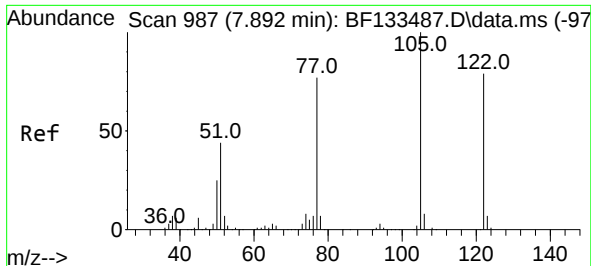
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

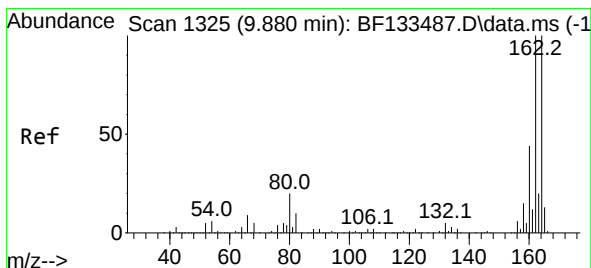
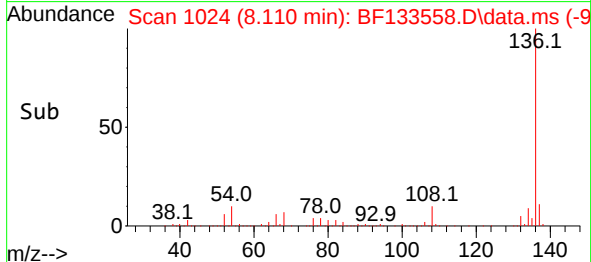
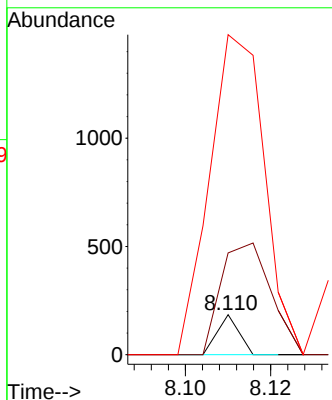
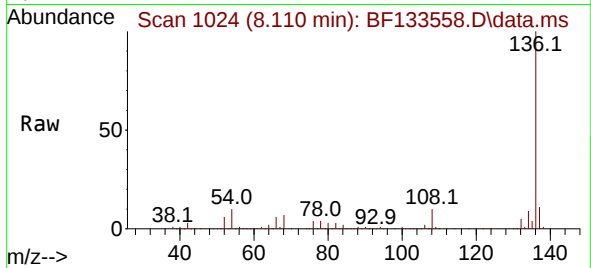




#32
Benzoic acid
Concen: 7.361 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.229 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

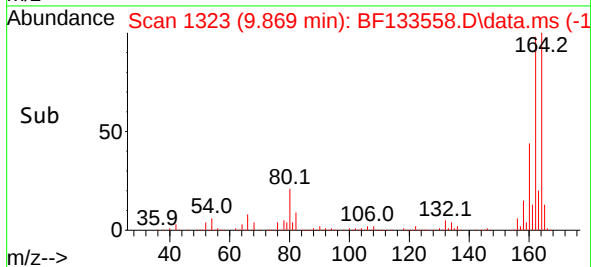
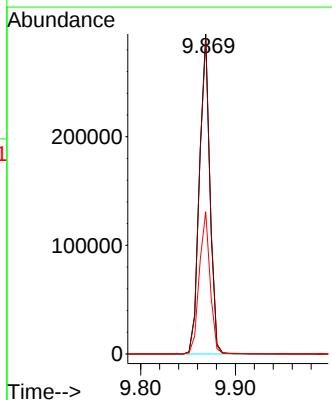
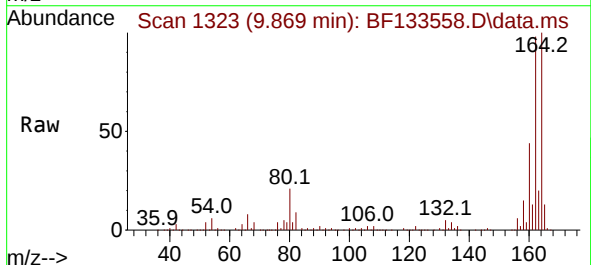
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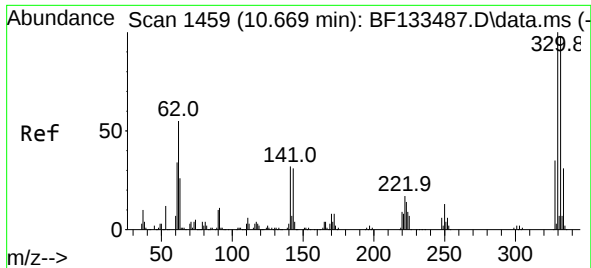
Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 254.1 103.3 143.3#
77 798.9 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:164 Resp: 226006
Ion Ratio Lower Upper
164 100
162 98.5 79.7 119.5
160 44.5 35.4 53.0

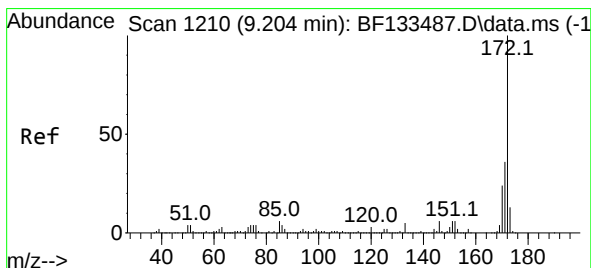
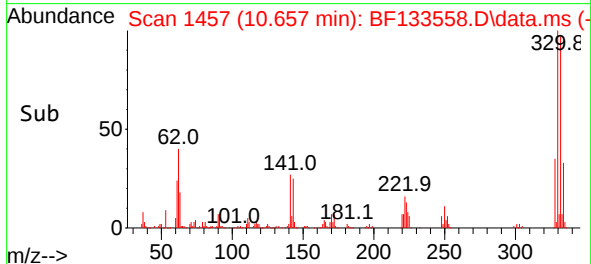
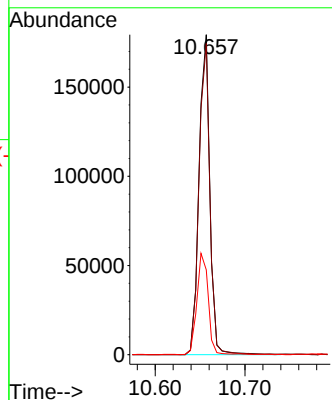
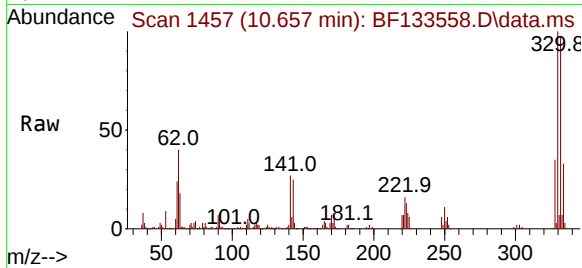




#42
2,4,6-Tribromophenol
Concen: 66.647 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

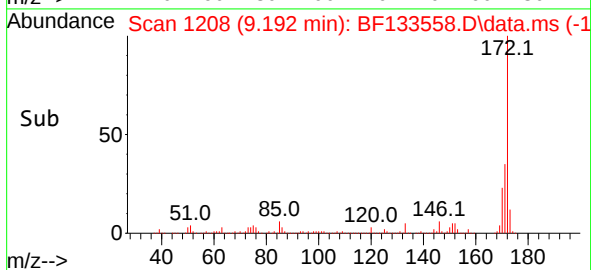
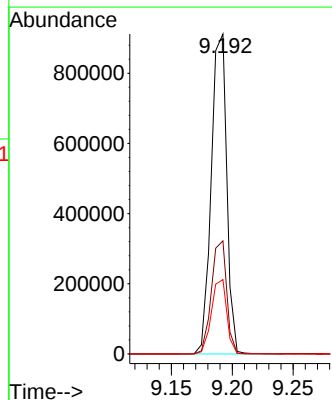
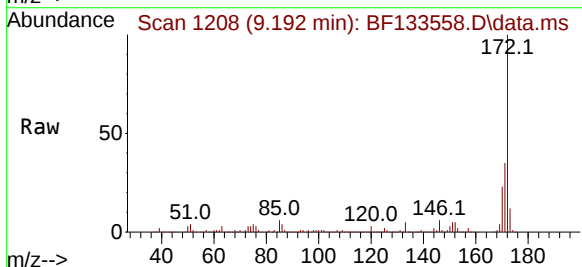
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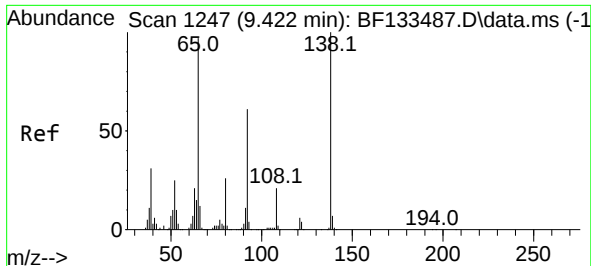
Tgt Ion:330 Resp: 150147
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.6
141 33.5 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 55.351 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:172 Resp: 810503
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.3 19.3 28.9





#48

2-Nitroaniline

Concen: 4.002 ng

RT: 9.616 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

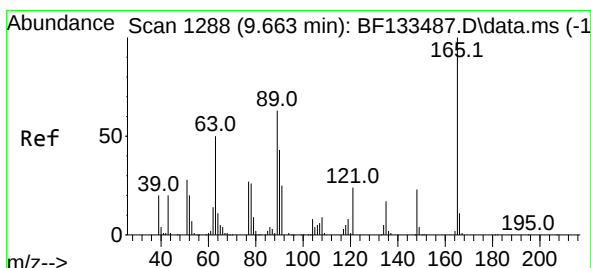
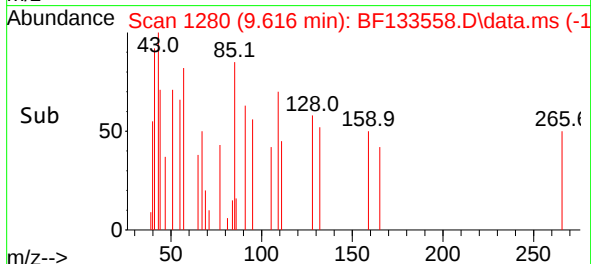
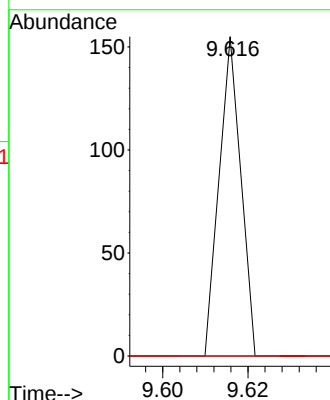
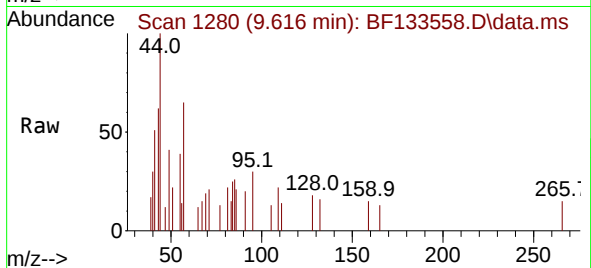
Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

Tgt Ion:	65	Resp:	55
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: 12.764 ng

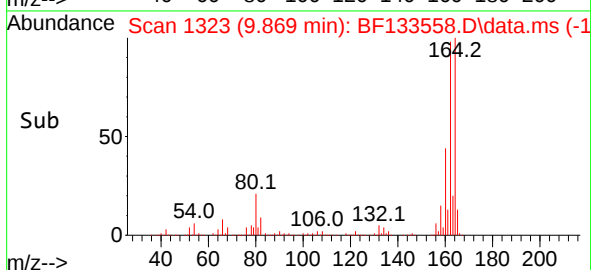
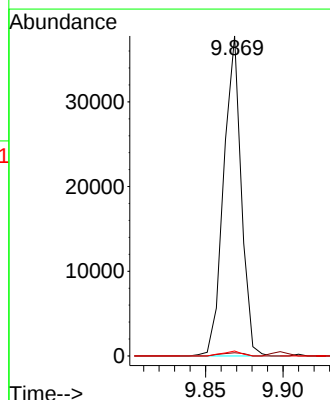
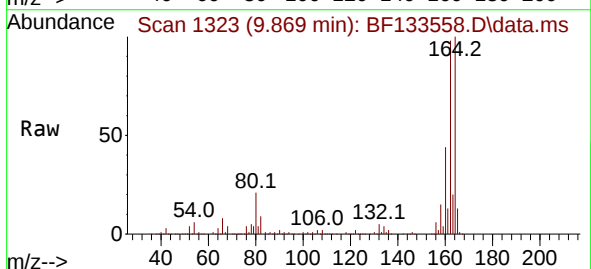
RT: 9.869 min Scan# 1323

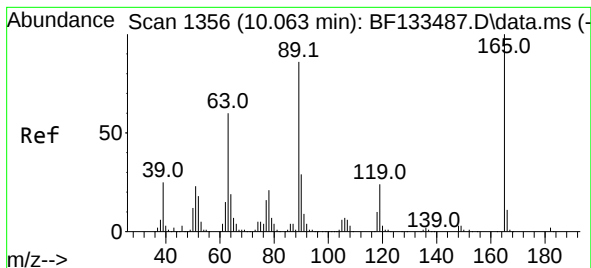
Delta R.T. 0.212 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Tgt Ion:	165	Resp:	29707
Ion	Ratio	Lower	Upper
165	100		
63	1.0	57.0	85.4#
89	1.5	50.8	76.2#

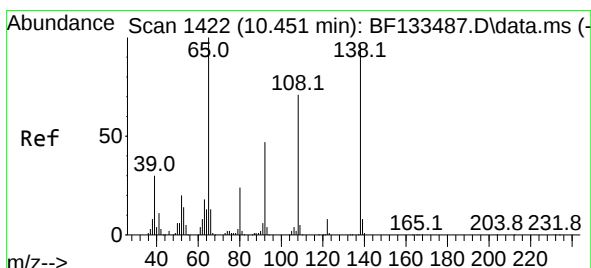
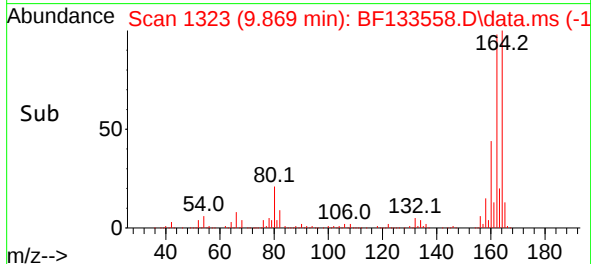
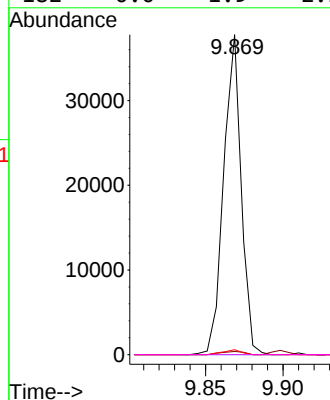
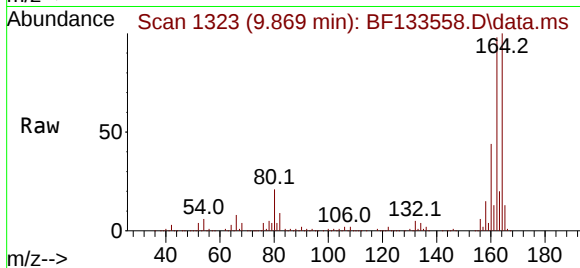




#57
2,4-Dinitrotoluene
Concen: 11.887 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

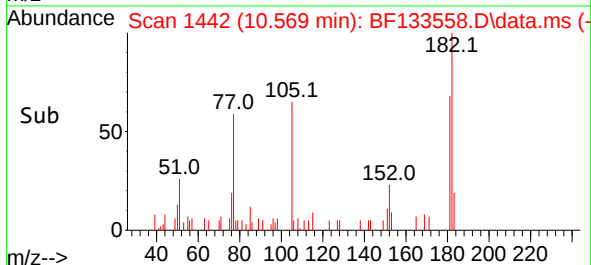
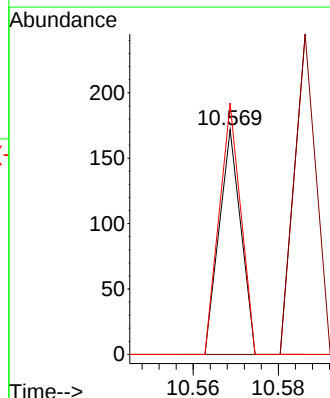
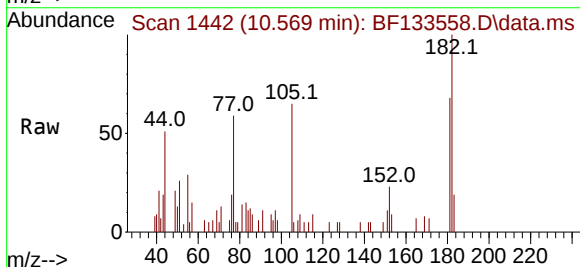
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

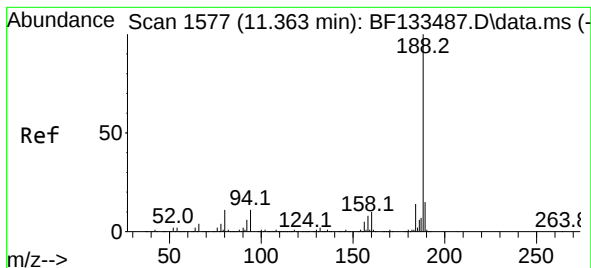
Tgt Ion:165 Resp: 29707
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.000 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.129 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 111.6 54.2 94.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

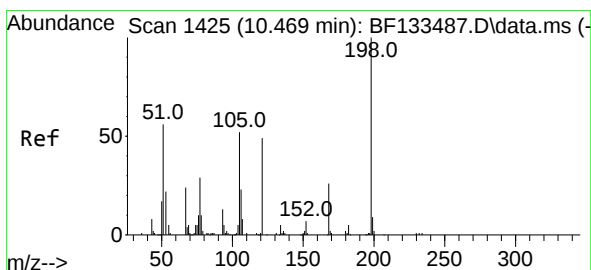
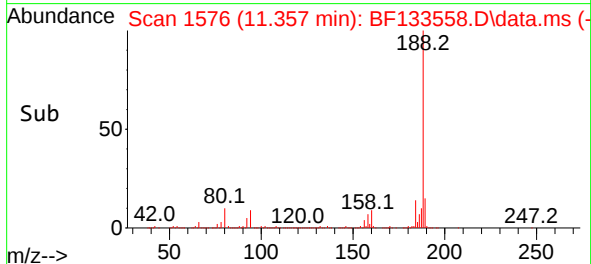
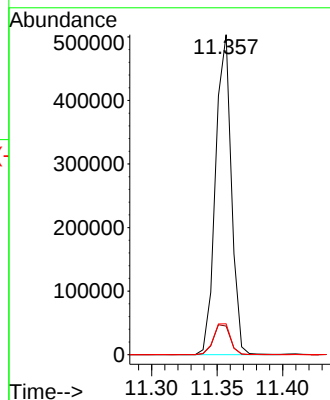
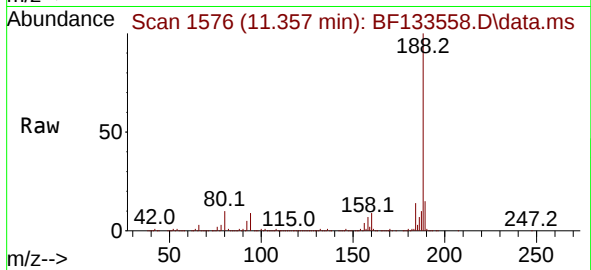
Tgt Ion:188 Resp: 421033

Ion Ratio Lower Upper

188 100

94 9.0 8.6 12.8

80 9.7 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.883 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

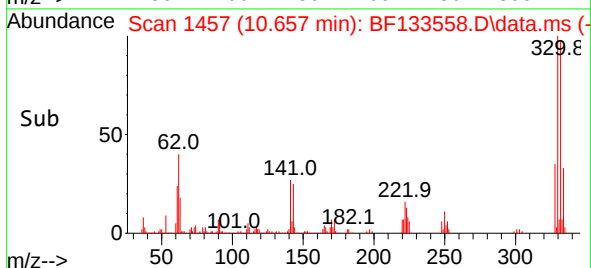
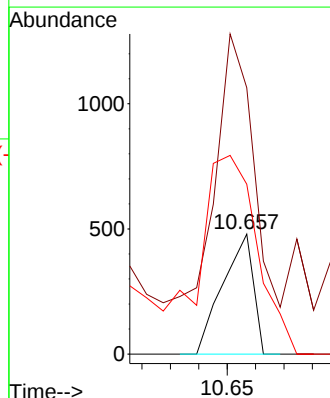
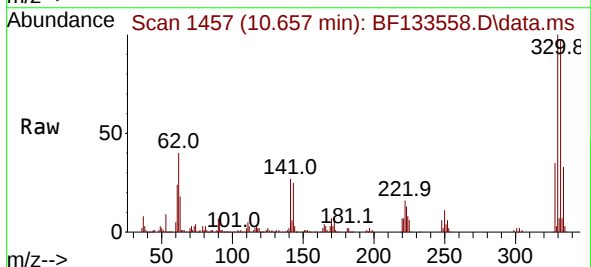
Tgt Ion:198 Resp: 360

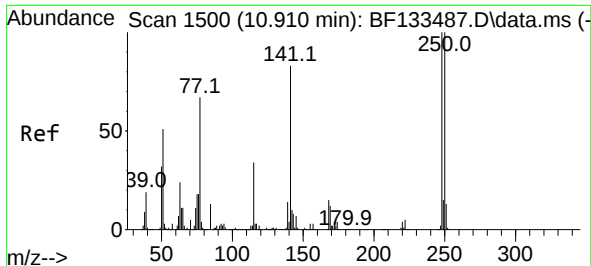
Ion Ratio Lower Upper

198 100

51 222.1 53.6 93.6#

105 141.8 35.9 75.9#

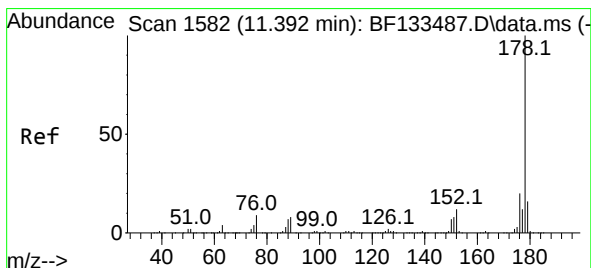
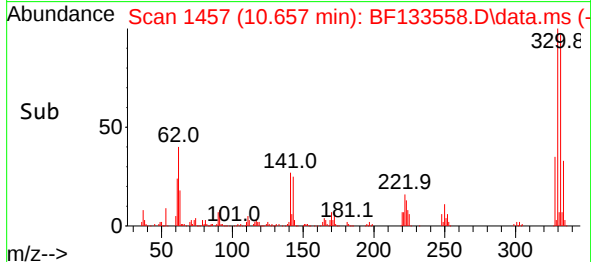
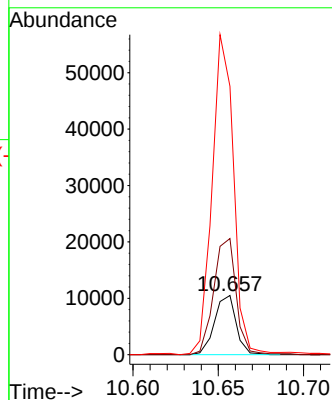
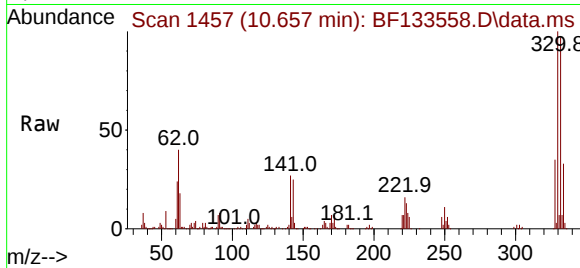




#67
4-Bromophenyl-phenylether
Concen: 2.072 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

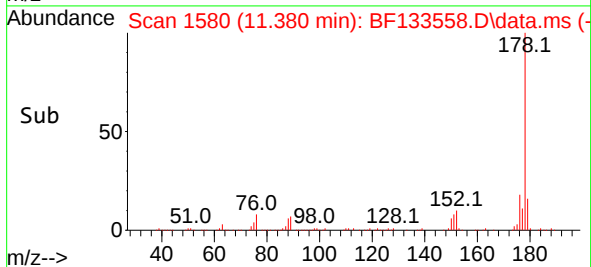
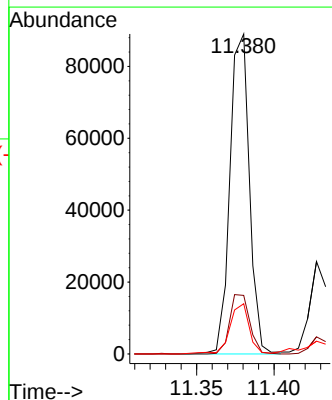
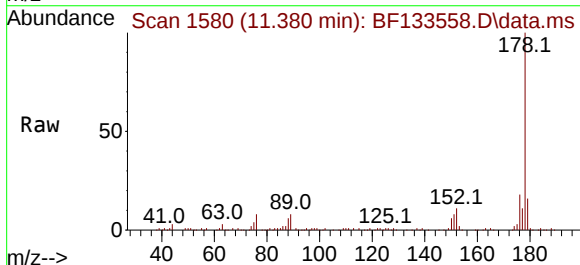
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

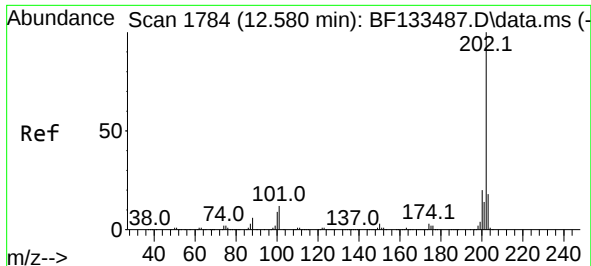
Tgt Ion:248 Resp: 9265
Ion Ratio Lower Upper
248 100
250 196.4 79.7 119.5#
141 453.4 66.6 100.0#



#71
Phenanthrene
Concen: 3.658 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:178 Resp: 78005
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.7 12.4 18.6

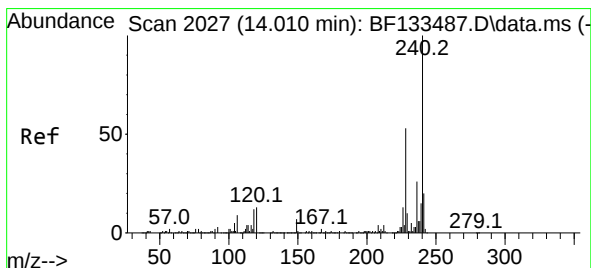
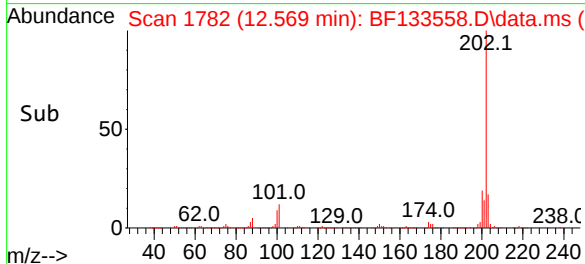
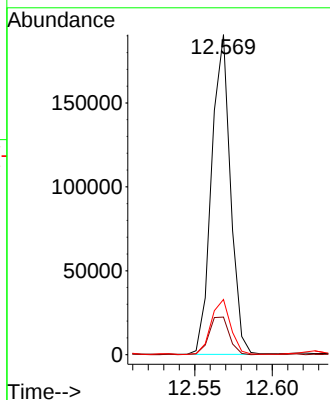
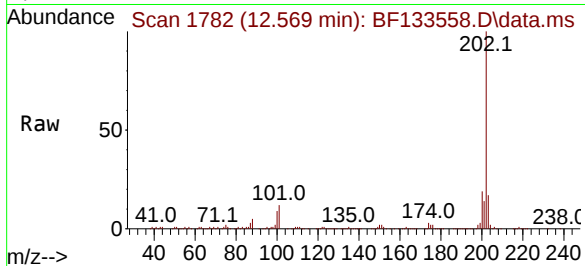




#75
Fluoranthene
Concen: 6.862 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

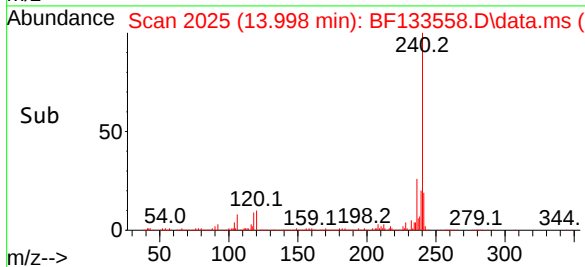
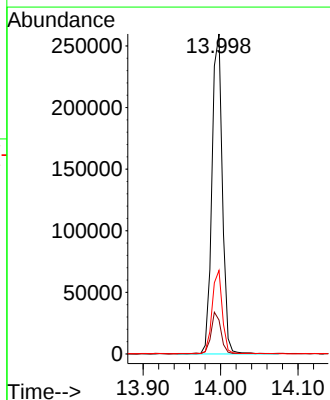
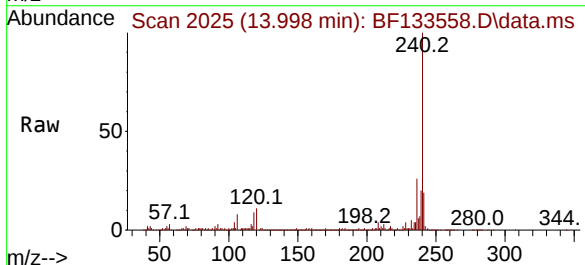
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

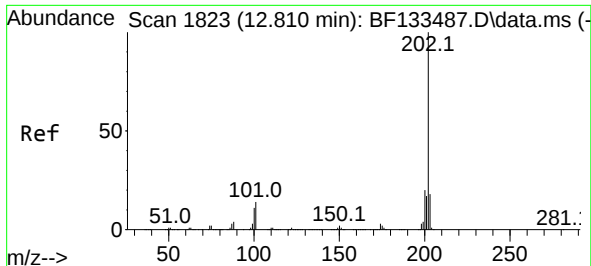
Tgt Ion:202 Resp: 161636
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.2
203 17.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:240 Resp: 243122
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 26.1 20.5 30.7

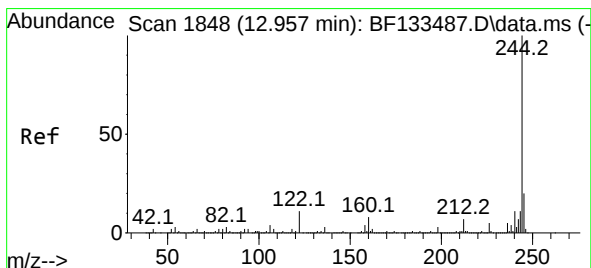
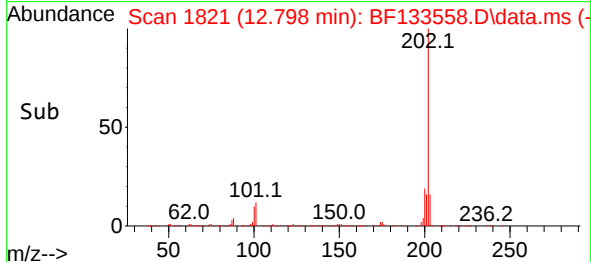
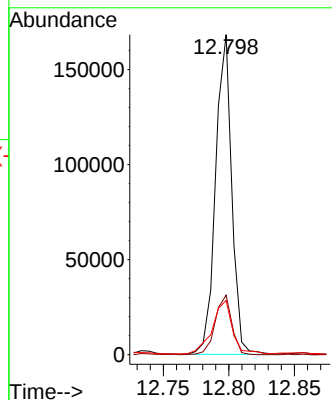
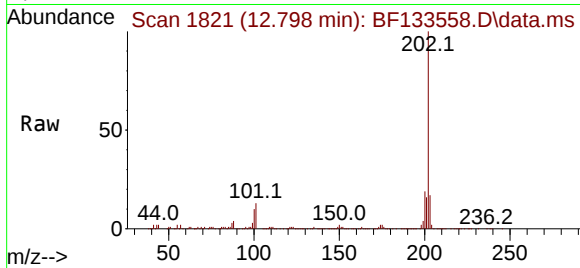




#78
 Pyrene
 Concen: 6.970 ng
 RT: 12.798 min Scan# 1821
 Delta R.T. -0.006 min
 Lab File: BF133558.D
 Acq: 02 Jun 2023 12:53

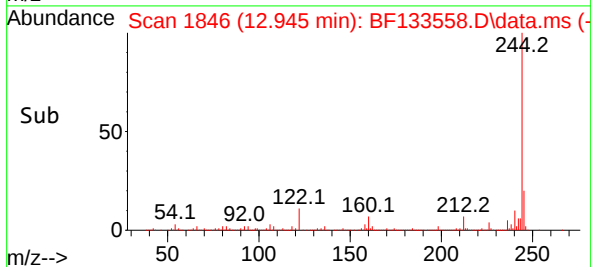
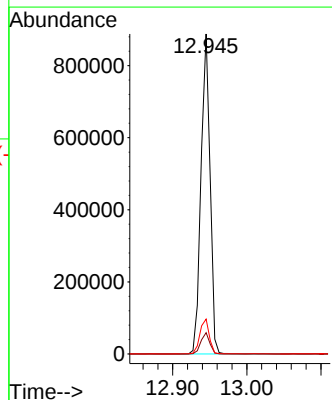
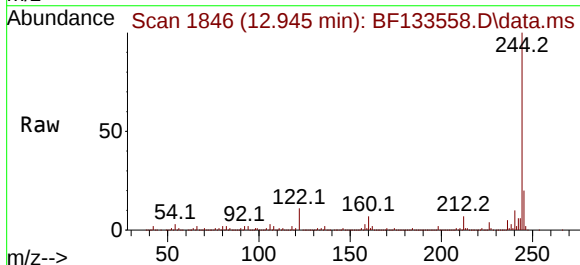
Instrument :
 BNA_F
 ClientSampleId :
 PLYMOUTH-ENG-001

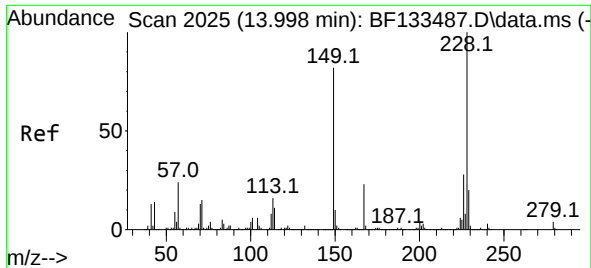
Tgt Ion:202 Resp: 144202
 Ion Ratio Lower Upper
 202 100
 200 18.6 16.3 24.5
 203 17.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 54.877 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133558.D
 Acq: 02 Jun 2023 12:53

Tgt Ion:244 Resp: 750392
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.9 8.5 12.7

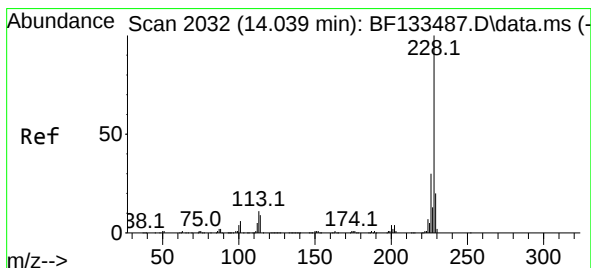
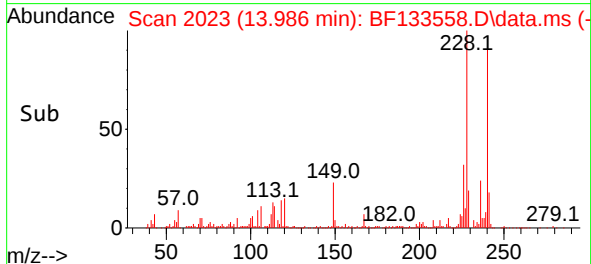
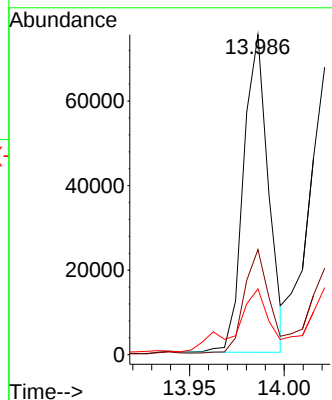
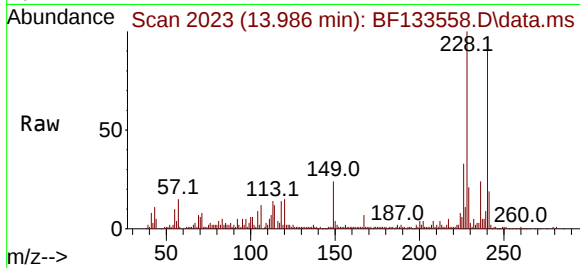




#81
Benzo(a)anthracene
Concen: 4.237 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

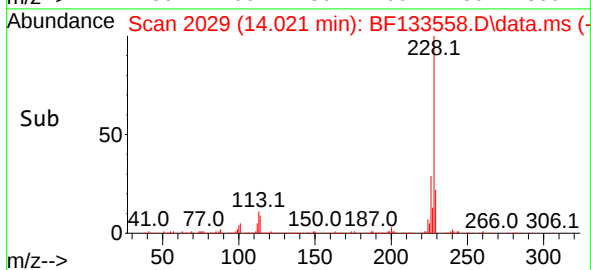
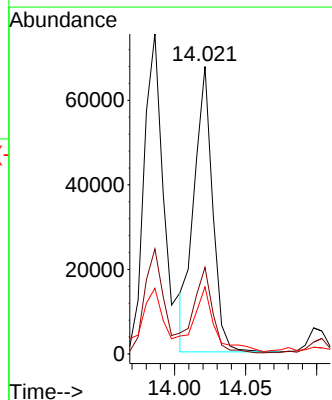
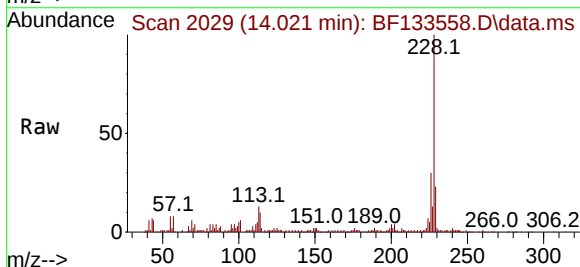
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001

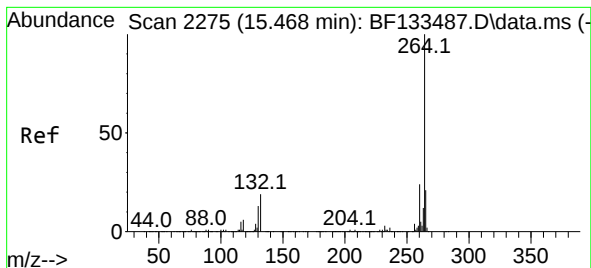
Tgt Ion:228 Resp: 68615
Ion Ratio Lower Upper
228 100
226 32.9 22.3 33.5
229 20.5 16.1 24.1



#83
Chrysene
Concen: 3.758 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:228 Resp: 61441
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 23.3 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: BF133558.D

Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

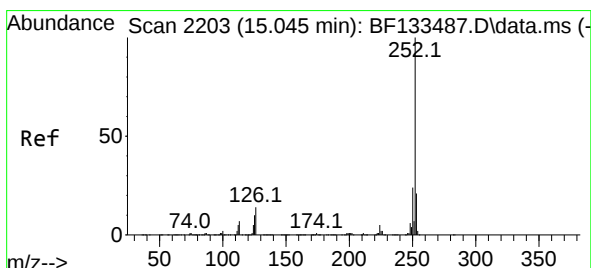
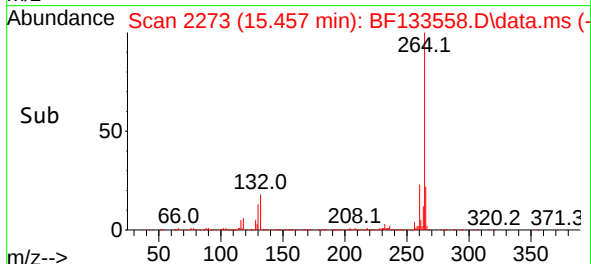
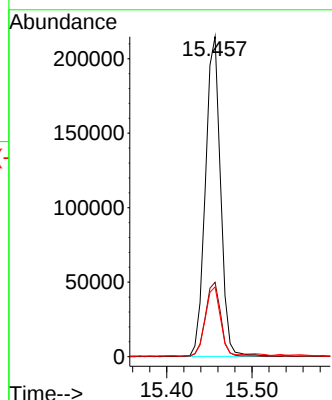
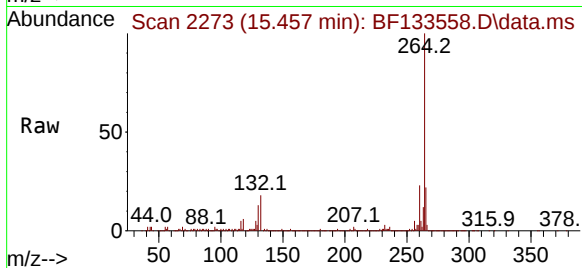
Tgt Ion:264 Resp: 264276

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.8 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 5.824 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.006 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

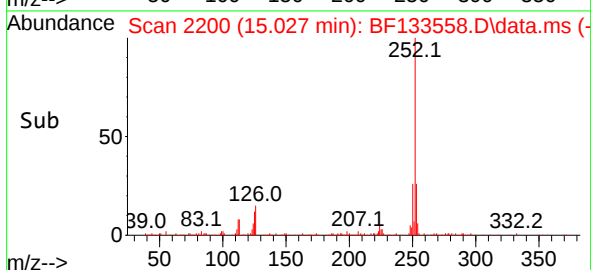
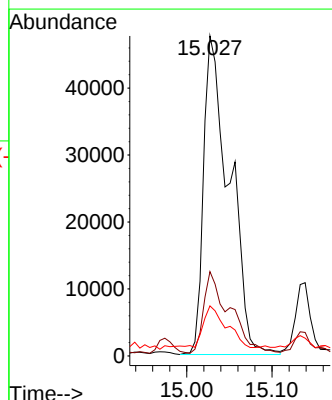
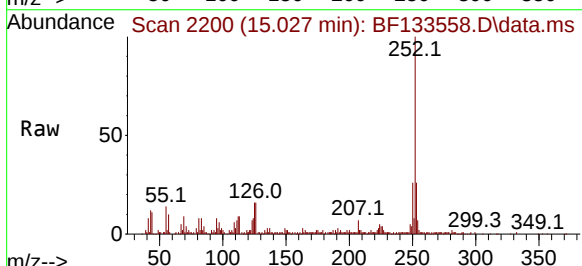
Tgt Ion:252 Resp: 100224

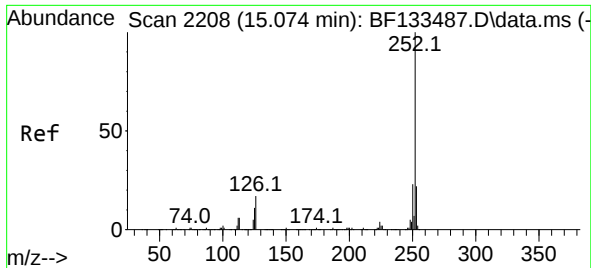
Ion Ratio Lower Upper

252 100

253 26.4 17.2 25.8#

125 15.7 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 5.973 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

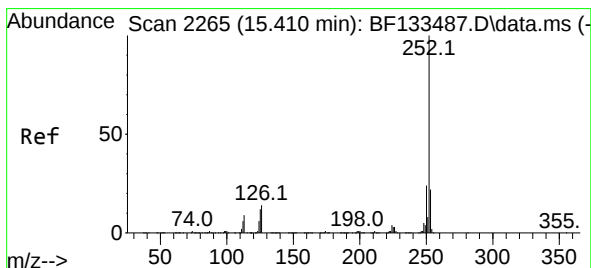
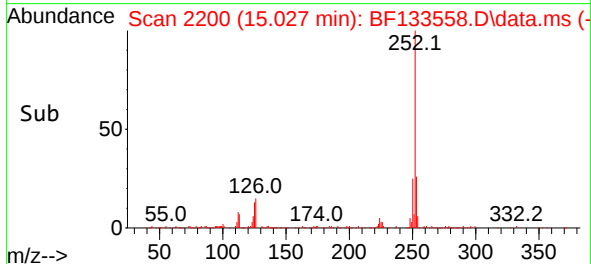
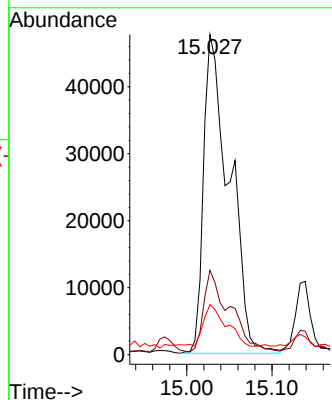
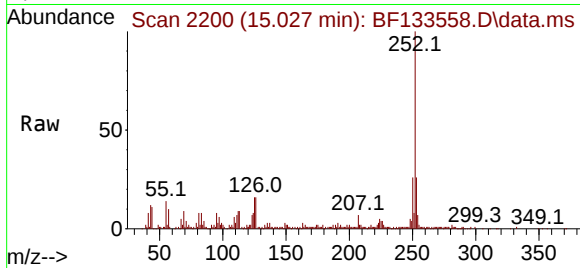
Tgt Ion:252 Resp: 100224

Ion Ratio Lower Upper

252 100

253 26.4 17.4 26.2#

125 15.7 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 3.300 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Tgt Ion:252 Resp: 51669

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 15.7 9.4 14.0#

