

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133227.D
 Acq On : 04 May 2023 13:12
 Operator : CG\JU
 Sample : 02588-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-6-9-05012023

Quant Time: May 04 14:29:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

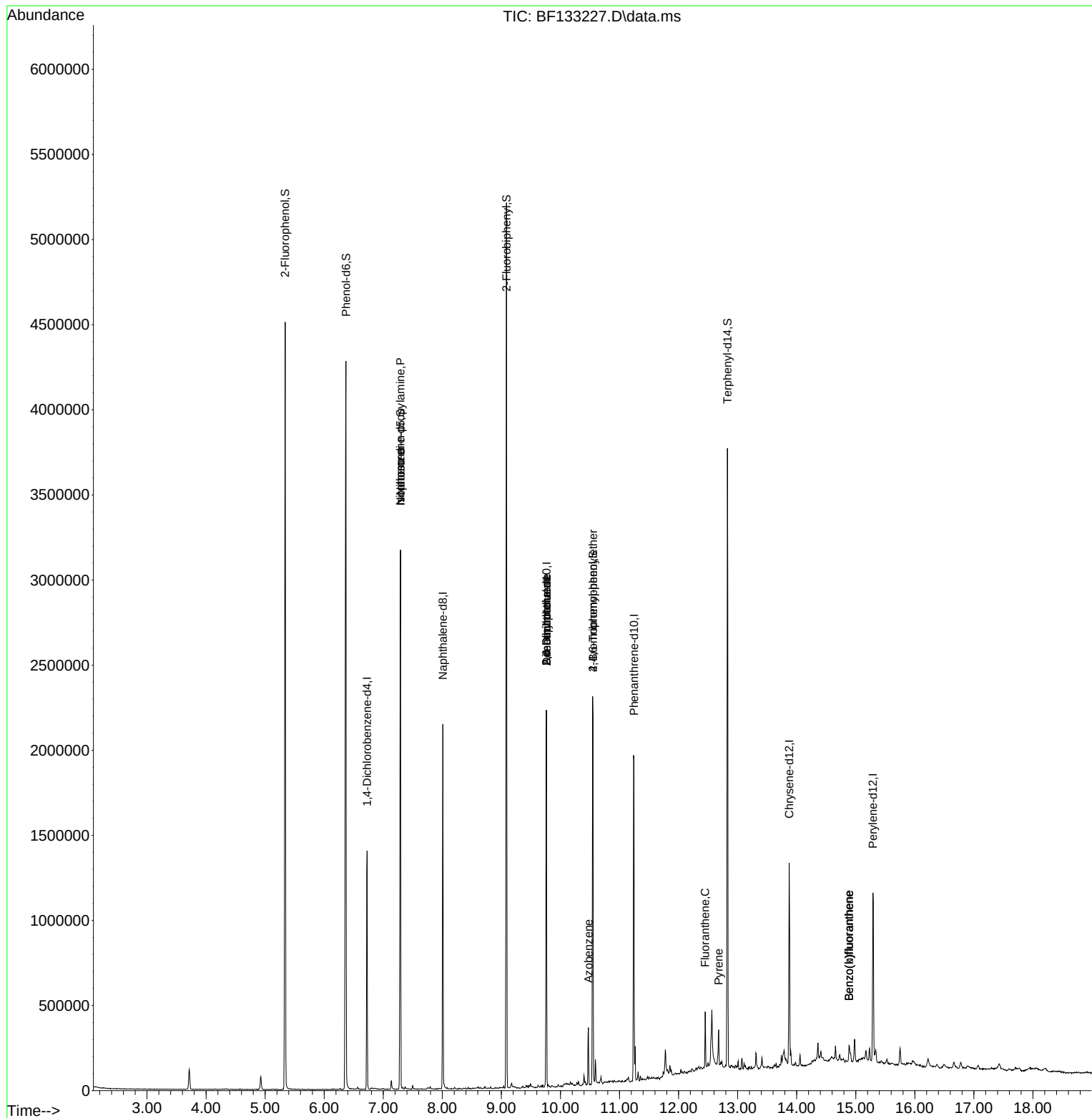
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	204357	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	802137	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	408616	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	712405	20.000	ng	# 0.00
76) Chrysene-d12	13.874	240	343668	20.000	ng	-0.01
86) Perylene-d12	15.292	264	431174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1321118	97.657	ng	0.00
7) Phenol-d6	6.369	99	1596322	95.069	ng	0.00
23) Nitrobenzene-d5	7.292	82	953173	64.140	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	278383	67.743	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1445126	59.168	ng	0.00
79) Terphenyl-d14	12.827	244	1269370	63.702	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	1666	Below Cal	#	64
19) n-Nitroso-di-n-propyla...	7.292	70	125772	12.032	ng	# 78
25) Isophorone	7.292	82	951508	33.723	ng	# 63
50) Dimethylphthalate	9.763	163	86388	3.032	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	52769	8.229	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	52769	6.452	ng	# 23
63) Azobenzene	10.474	77	57305	2.010	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	18072	2.339	ng	# 1
75) Fluoranthene	12.451	202	107569	2.799	ng	99
78) Pyrene	12.680	202	86962	2.952	ng	99
88) Benzo(b)fluoranthene	14.886	252	60386	2.201	ng	# 94
89) Benzo(k)fluoranthene	14.886	252	60386	2.221	ng	# 94

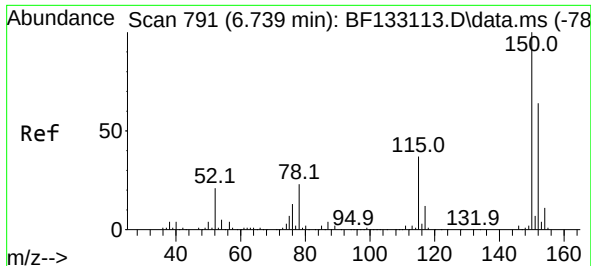
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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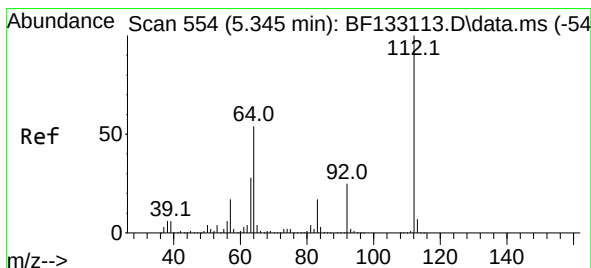
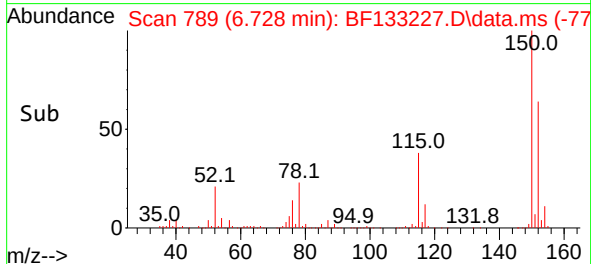
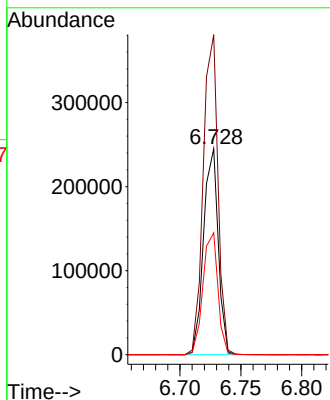
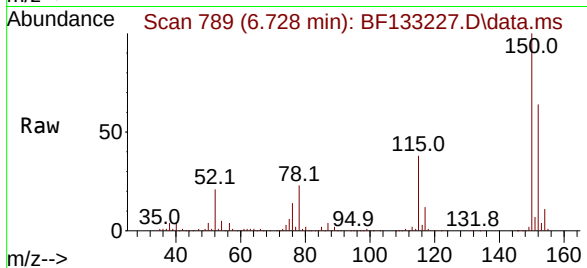




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133227.D
 Acq: 04 May 2023 13:12

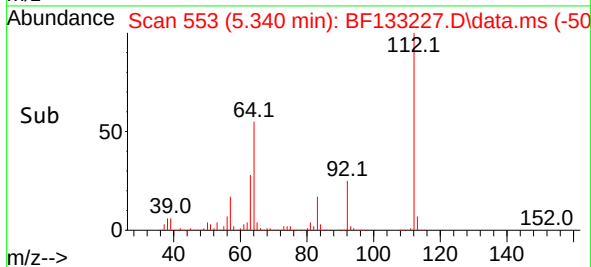
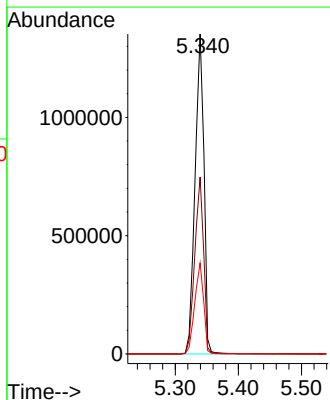
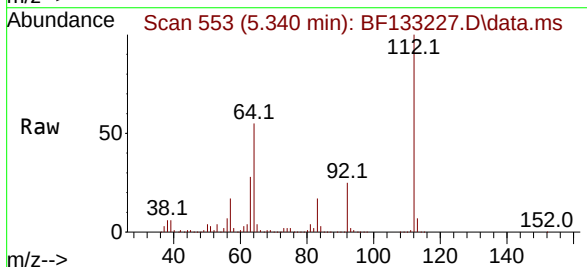
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-6-9-05012023

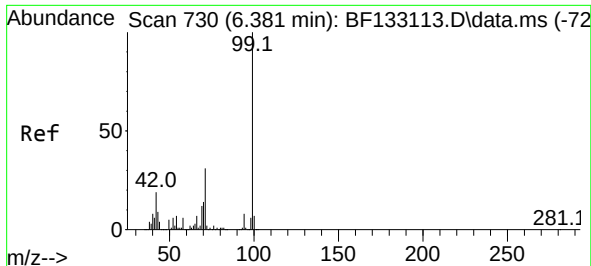
Tgt Ion:152 Resp: 204357
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.8 187.2
 115 59.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 97.657 ng
 RT: 5.340 min Scan# 553
 Delta R.T. 0.006 min
 Lab File: BF133227.D
 Acq: 04 May 2023 13:12

Tgt Ion:112 Resp: 1321118
 Ion Ratio Lower Upper
 112 100
 64 55.3 46.8 70.2
 63 28.5 23.8 35.8

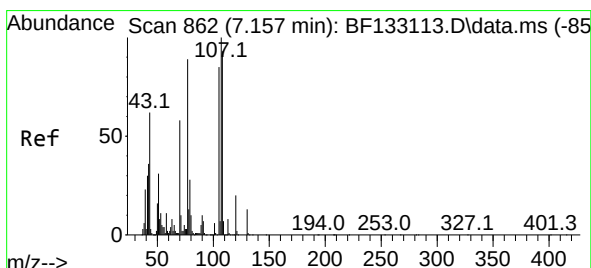
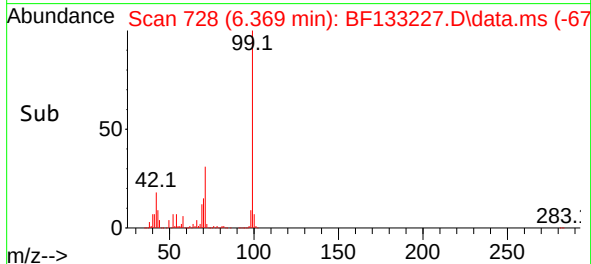
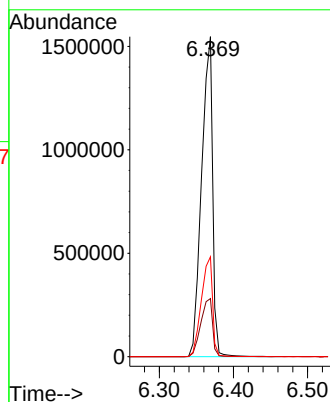
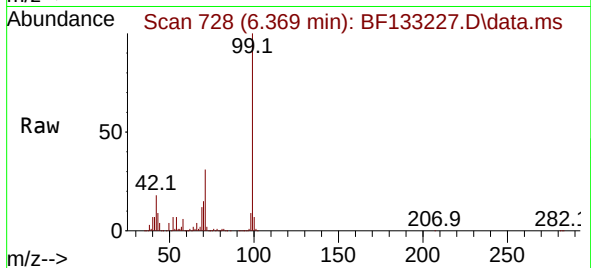




#7
Phenol-d6
Concen: 95.069 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

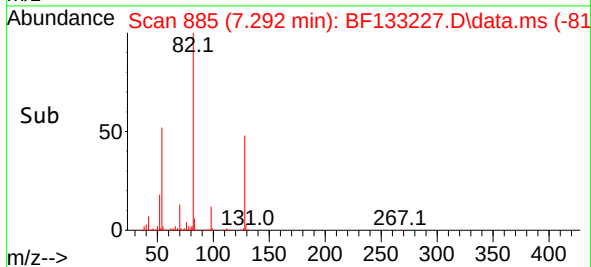
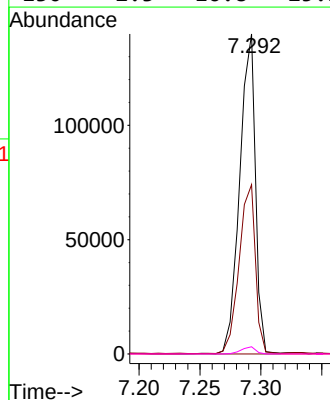
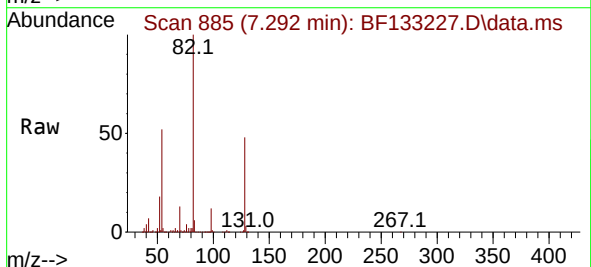
Instrument :
BNA_F
ClientSampleId :
ZONE-B-6-9-05012023

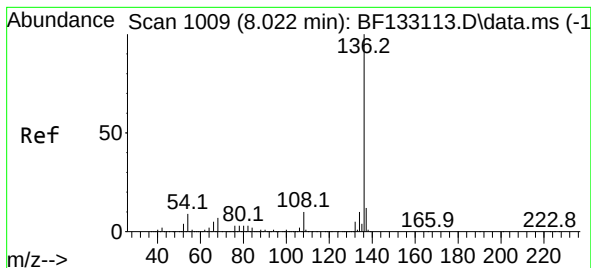
Tgt Ion: 99 Resp: 1596322
Ion Ratio Lower Upper
99 100
42 18.2 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.032 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

Tgt Ion: 70 Resp: 125772
Ion Ratio Lower Upper
70 100
42 52.9 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF133227.D

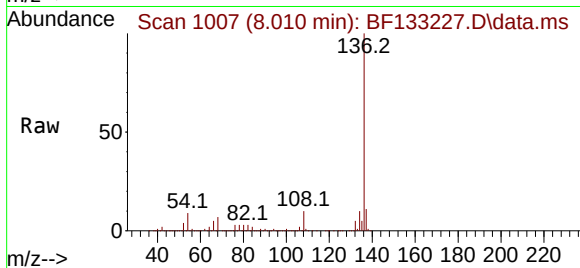
Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023



Tgt Ion:136 Resp: 802137

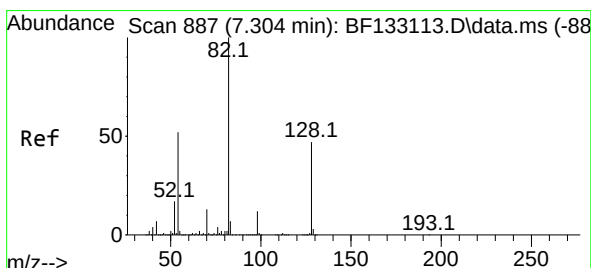
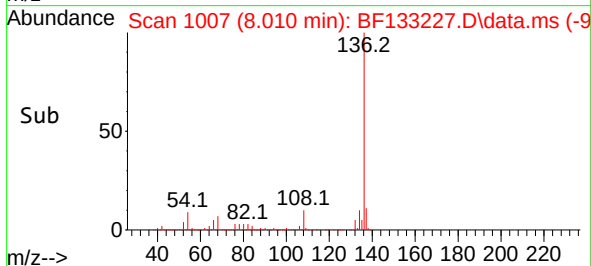
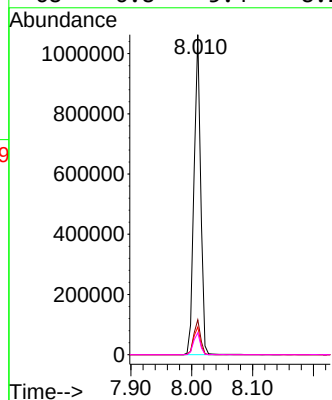
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.6 7.0 10.4

68 6.8 5.4 8.2



#23

Nitrobenzene-d5

Concen: 64.140 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

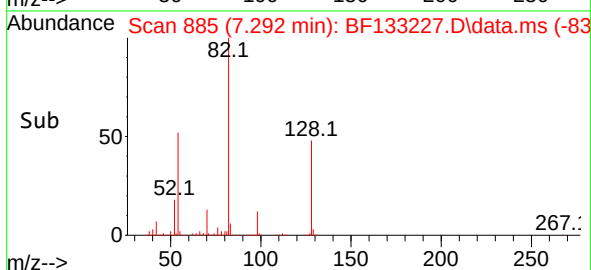
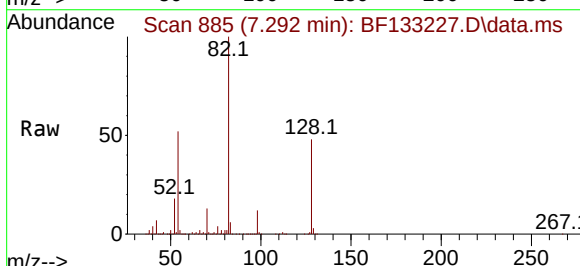
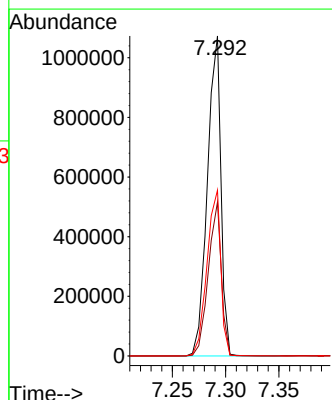
Tgt Ion: 82 Resp: 953173

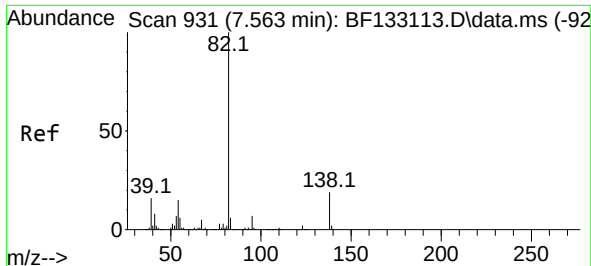
Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 51.8 43.0 64.4

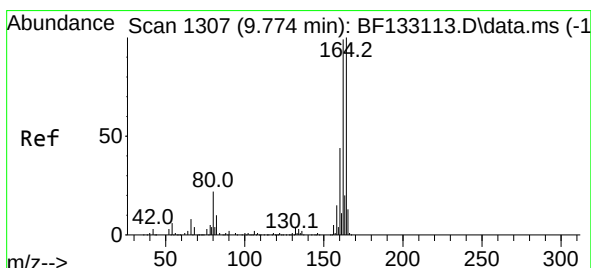
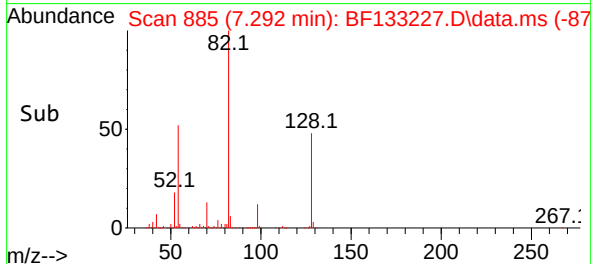
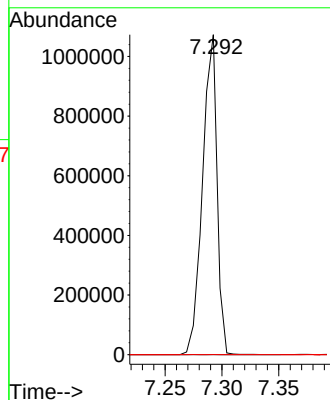
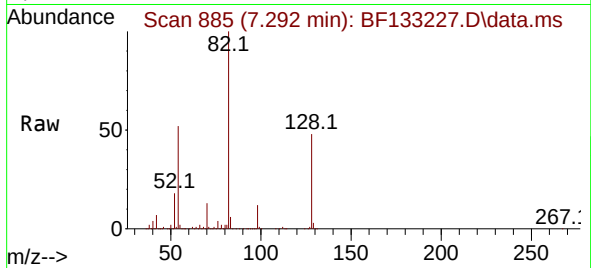




#25
Isophorone
Concen: 33.723 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

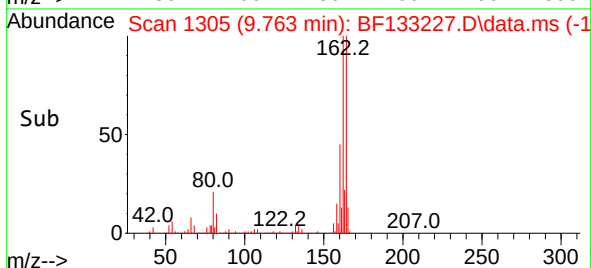
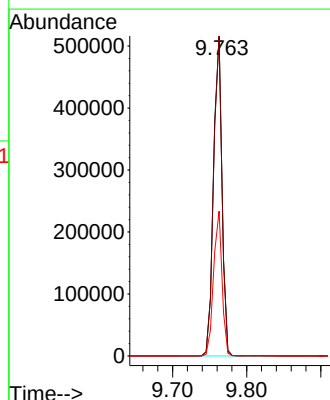
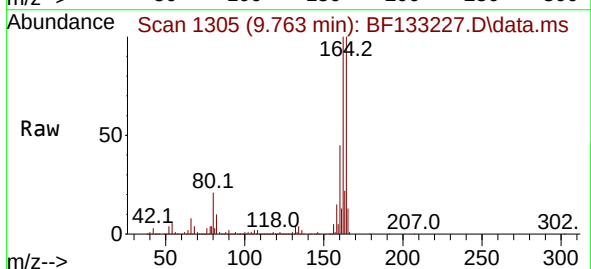
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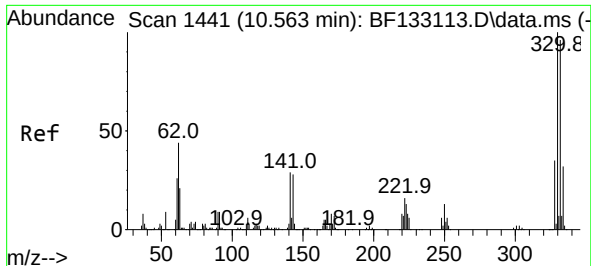
Tgt Ion: 82 Resp: 951508
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

Tgt Ion:164 Resp: 408616
Ion Ratio Lower Upper
164 100
162 100.4 78.7 118.1
160 45.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 67.743 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133227.D

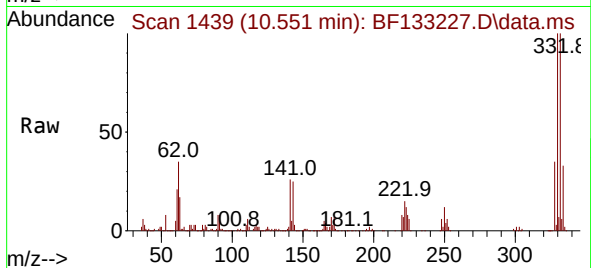
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Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023



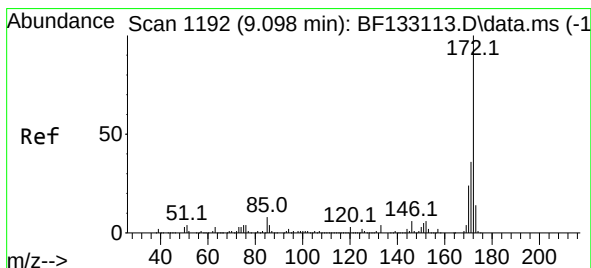
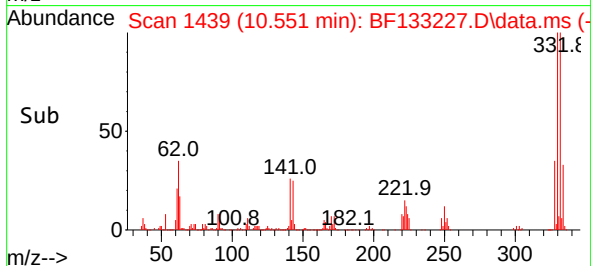
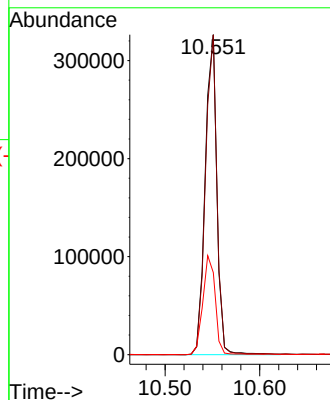
Tgt Ion:330 Resp: 278383

Ion Ratio Lower Upper

330 100

332 98.6 77.1 115.7

141 33.1 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 59.168 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

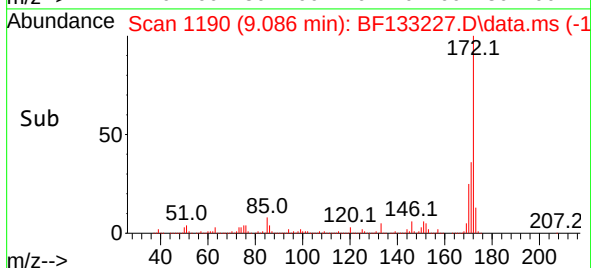
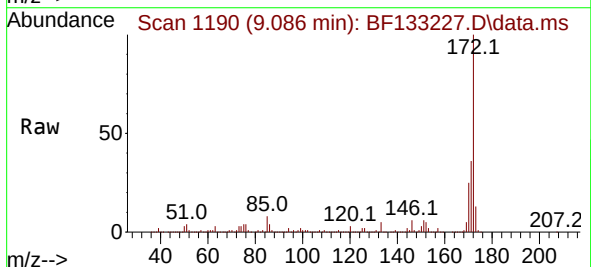
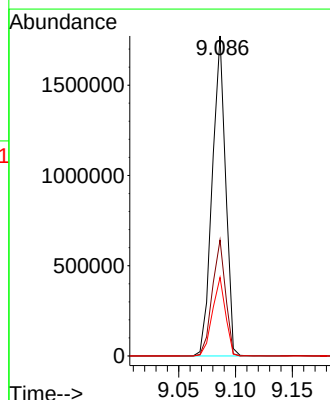
Tgt Ion:172 Resp: 1445126

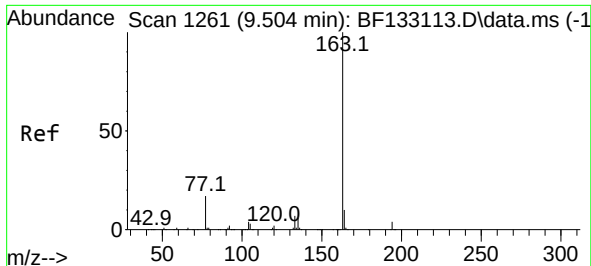
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.6 19.4 29.2

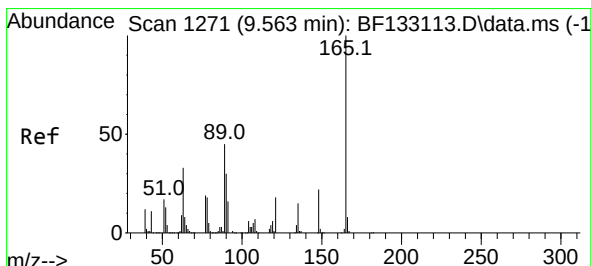
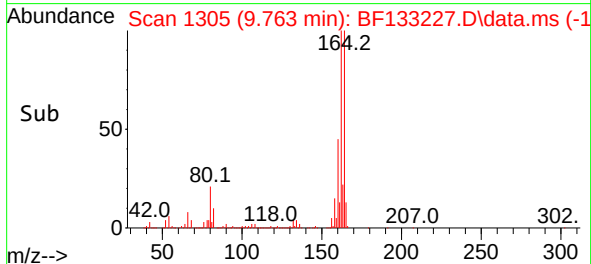
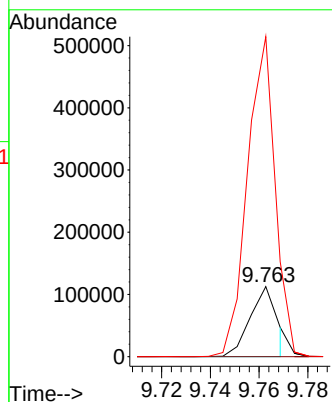
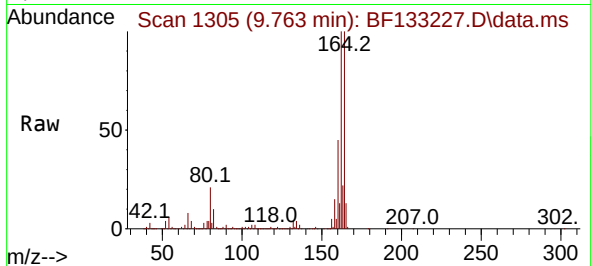




#50
Dimethylphthalate
Concen: 3.032 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

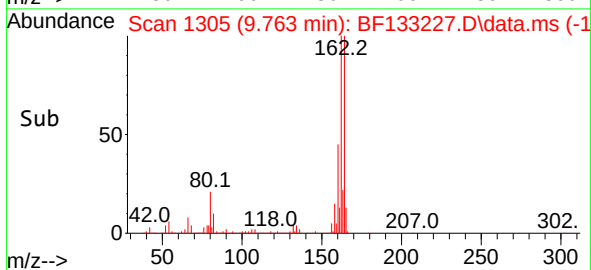
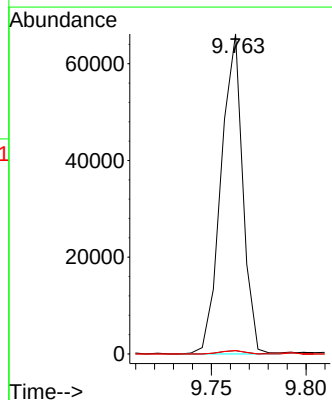
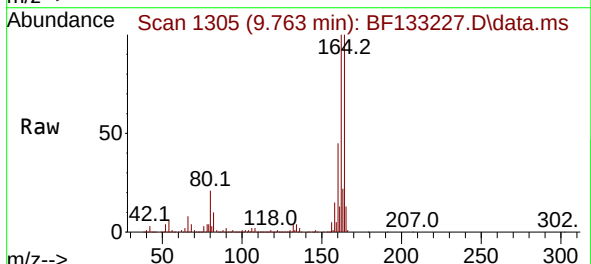
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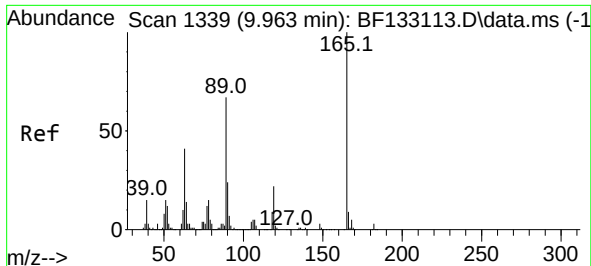
Tgt Ion:163 Resp: 86388
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 456.9 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.229 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

Tgt Ion:165 Resp: 52769
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.1 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.452 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133227.D

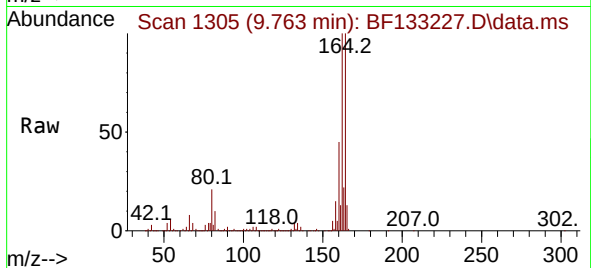
Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023



Tgt Ion:165 Resp: 52769

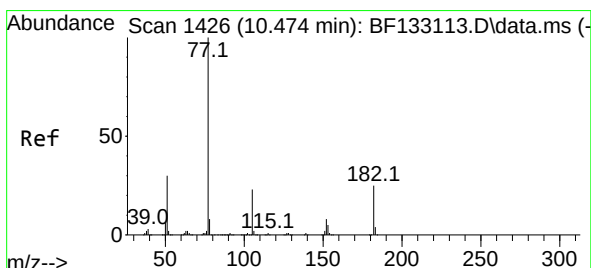
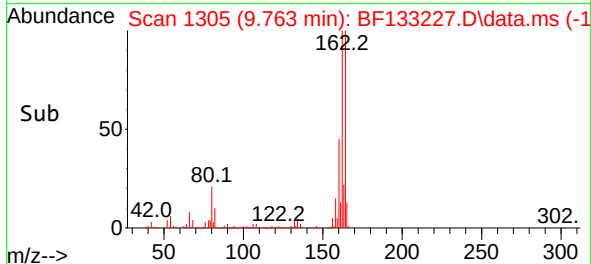
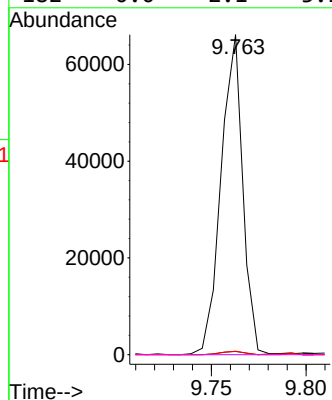
Ion Ratio Lower Upper

165 100

63 1.0 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 2.010 ng

RT: 10.474 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

Tgt Ion: 77 Resp: 57305

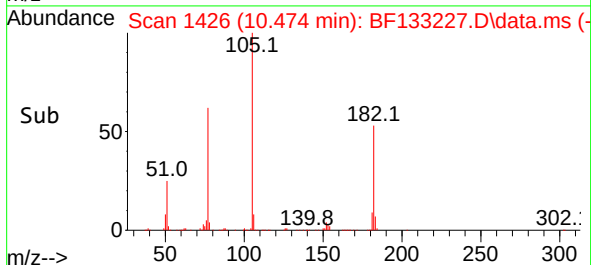
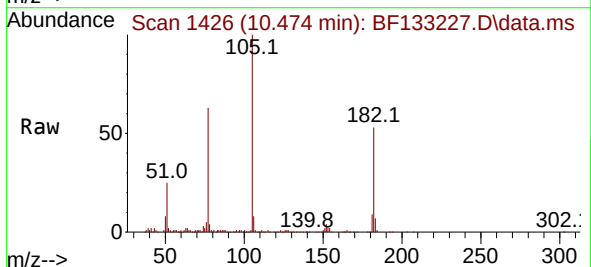
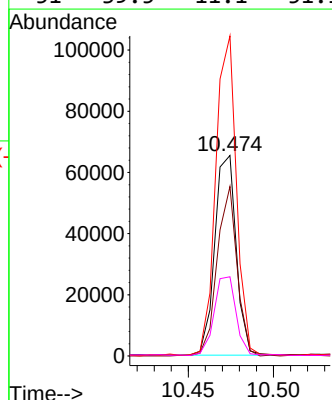
Ion Ratio Lower Upper

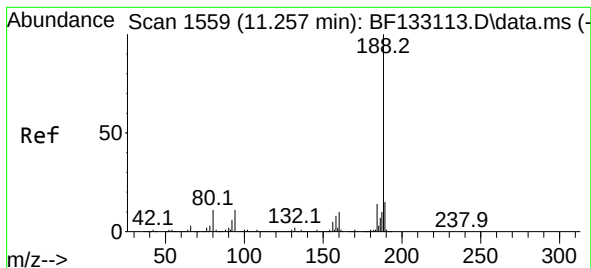
77 100

182 84.5 5.9 45.9#

105 159.6 2.3 42.3#

51 39.5 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023

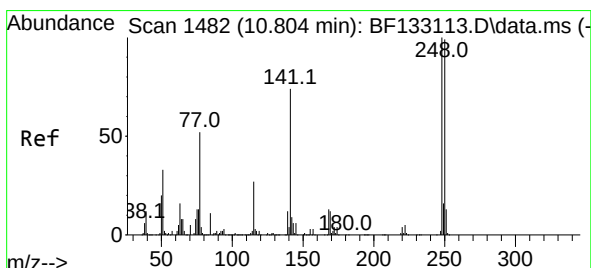
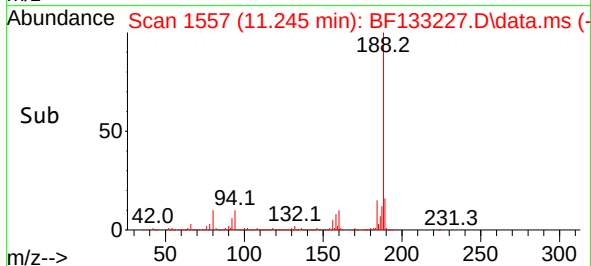
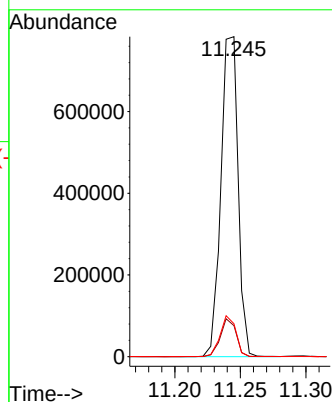
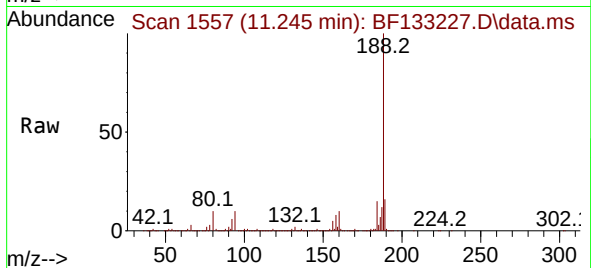
Tgt Ion:188 Resp: 712405

Ion Ratio Lower Upper

188 100

94 9.7 9.7 14.5

80 10.3 10.4 15.6#



#67

4-Bromophenyl-phenylether

Concen: 2.339 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.247 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

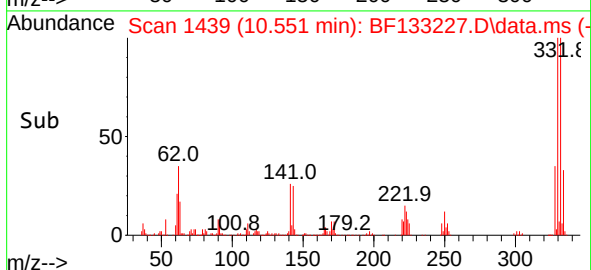
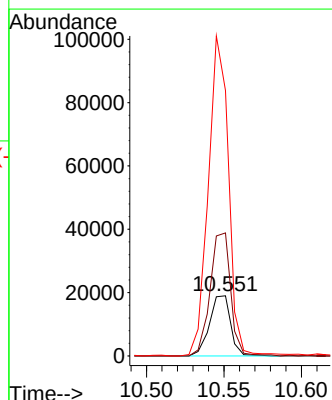
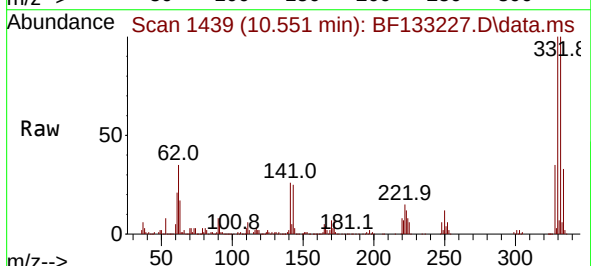
Tgt Ion:248 Resp: 18072

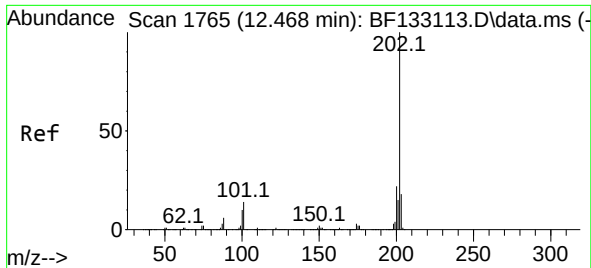
Ion Ratio Lower Upper

248 100

250 204.2 78.7 118.1#

141 440.5 56.3 84.5#

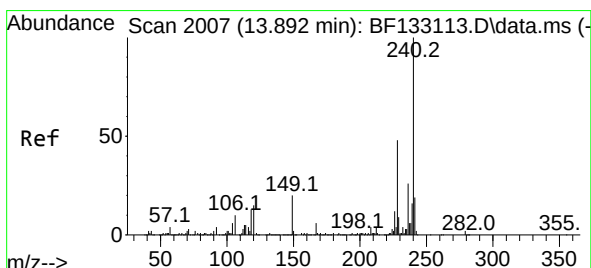
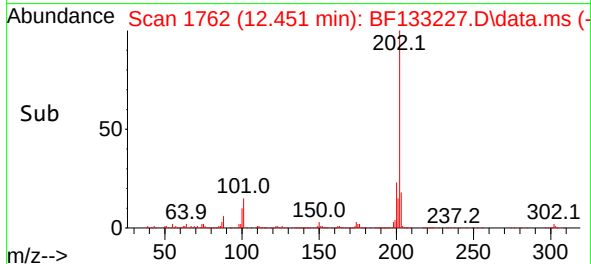
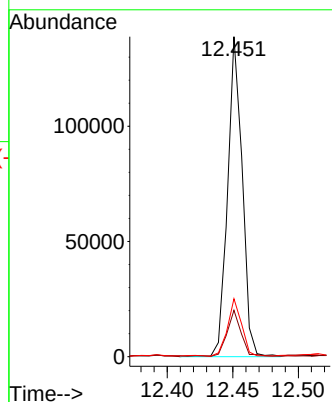
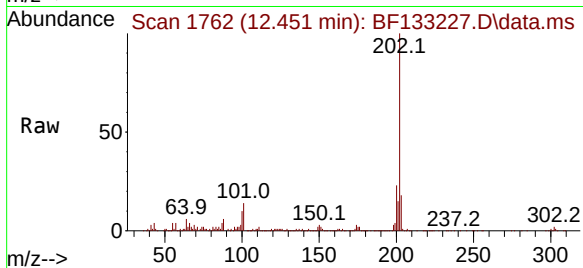




#75
Fluoranthene
Concen: 2.799 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

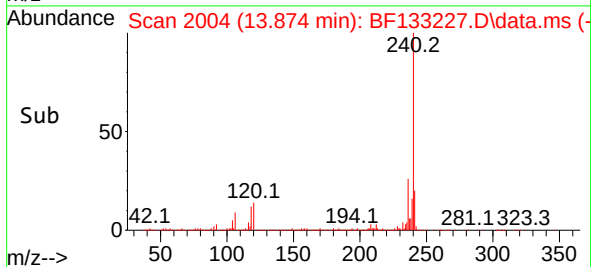
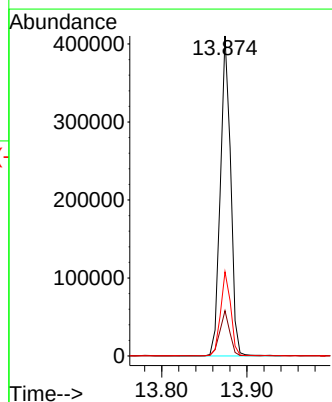
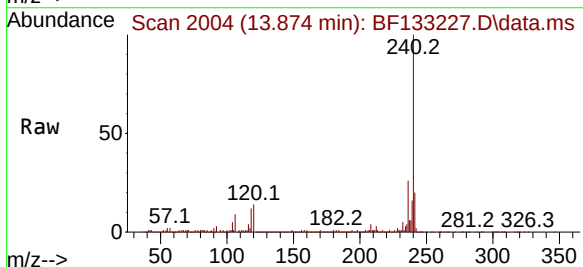
Instrument :
BNA_F
ClientSampleId :
ZONE-B-6-9-05012023

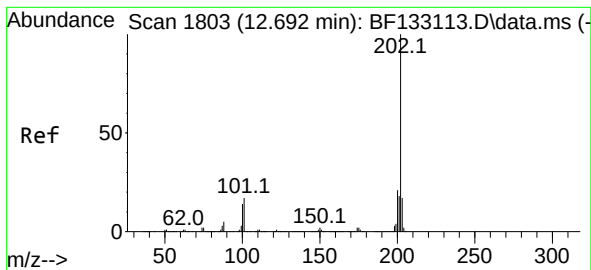
Tgt Ion:202 Resp: 107569
Ion Ratio Lower Upper
202 100
101 14.5 0.0 35.3
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133227.D
Acq: 04 May 2023 13:12

Tgt Ion:240 Resp: 343668
Ion Ratio Lower Upper
240 100
120 14.1 10.5 15.7
236 26.3 21.5 32.3





#78

Pyrene

Concen: 2.952 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023

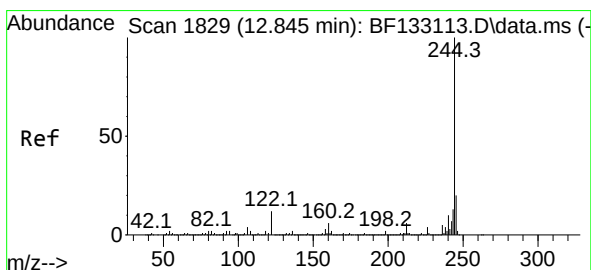
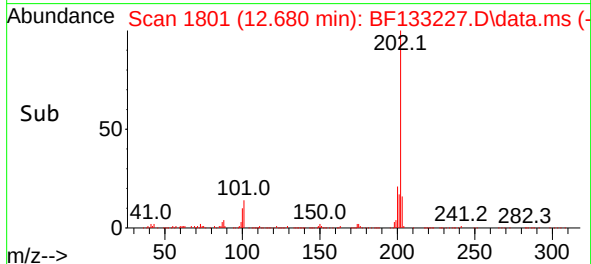
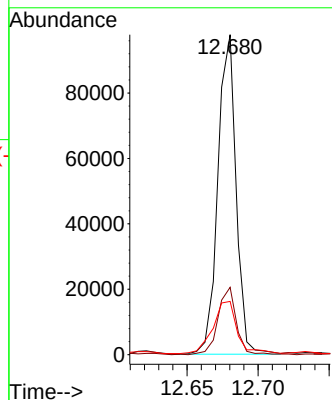
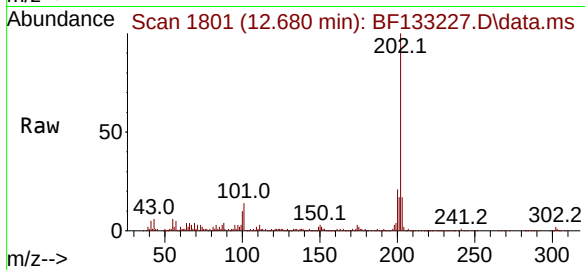
Tgt Ion:202 Resp: 86962

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 16.6 14.1 21.1



#79

Terphenyl-d14

Concen: 63.702 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

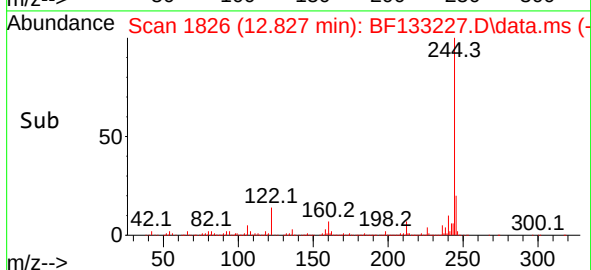
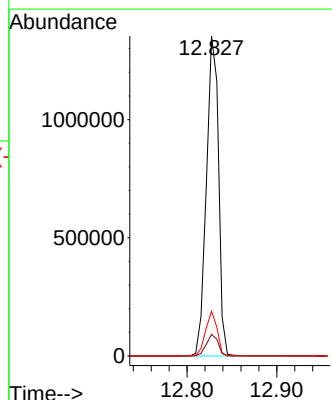
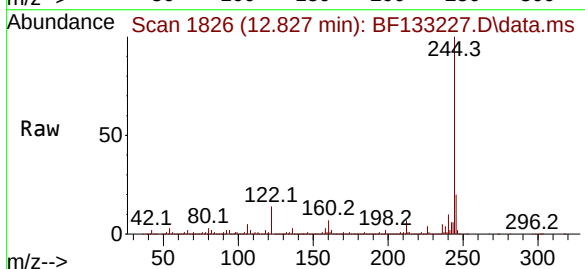
Tgt Ion:244 Resp: 1269370

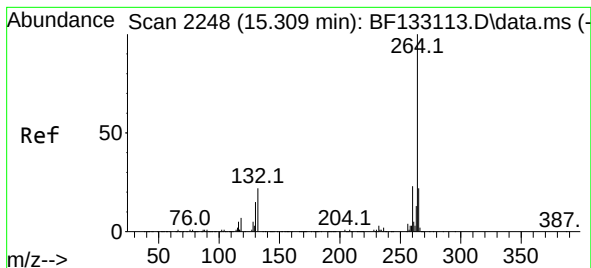
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 14.0 8.6 13.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023

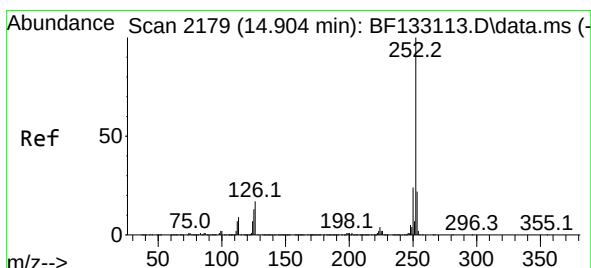
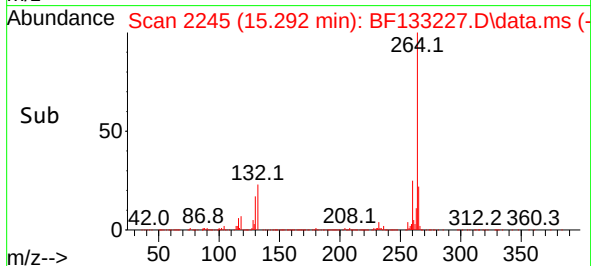
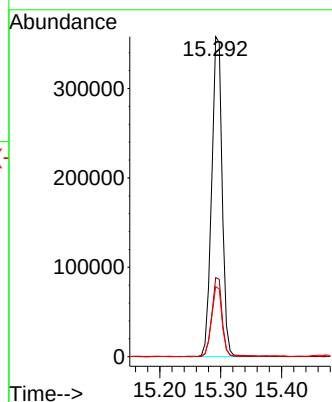
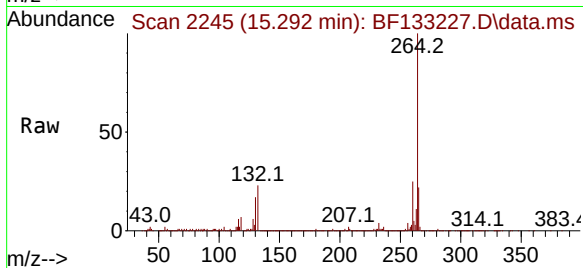
Tgt Ion:264 Resp: 431174

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 21.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.201 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.012 min

Lab File: BF133227.D

Acq: 04 May 2023 13:12

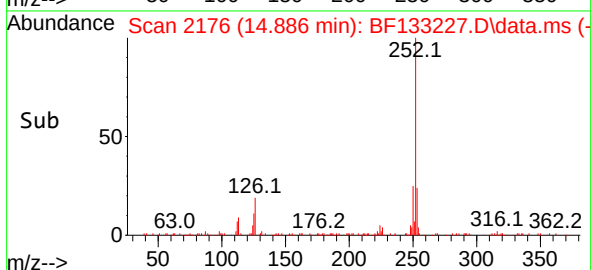
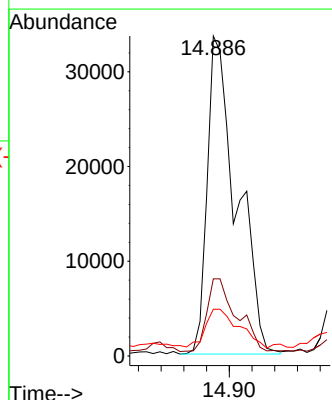
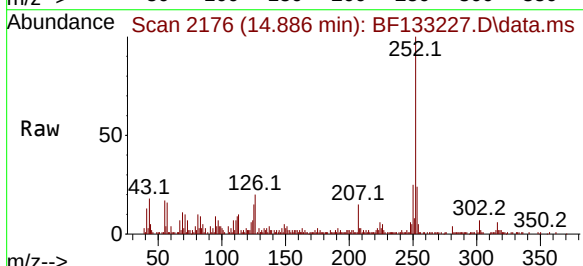
Tgt Ion:252 Resp: 60386

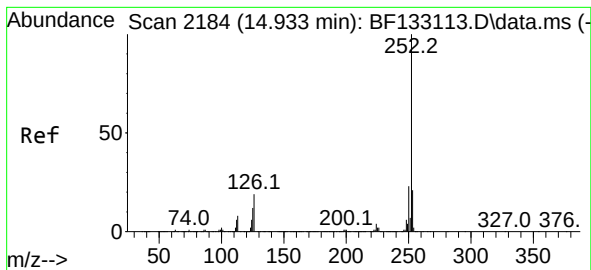
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 14.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.221 ng

RT: 14.886 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133227.D

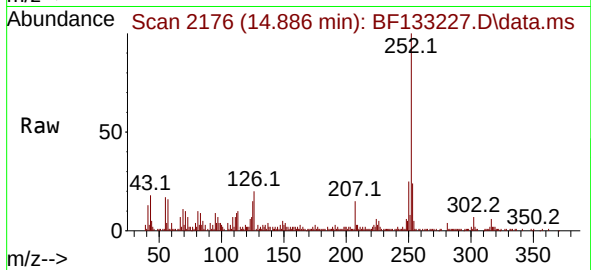
Acq: 04 May 2023 13:12

Instrument :

BNA_F

ClientSampleId :

ZONE-B-6-9-05012023



Tgt Ion:252 Resp: 60386

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 14.6 9.0 13.4#

