

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133242.D
 Acq On : 04 May 2023 21:07
 Operator : CG\JU
 Sample : 02588-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PILE-A-UNK-05022023

Quant Time: May 05 05:32:37 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)

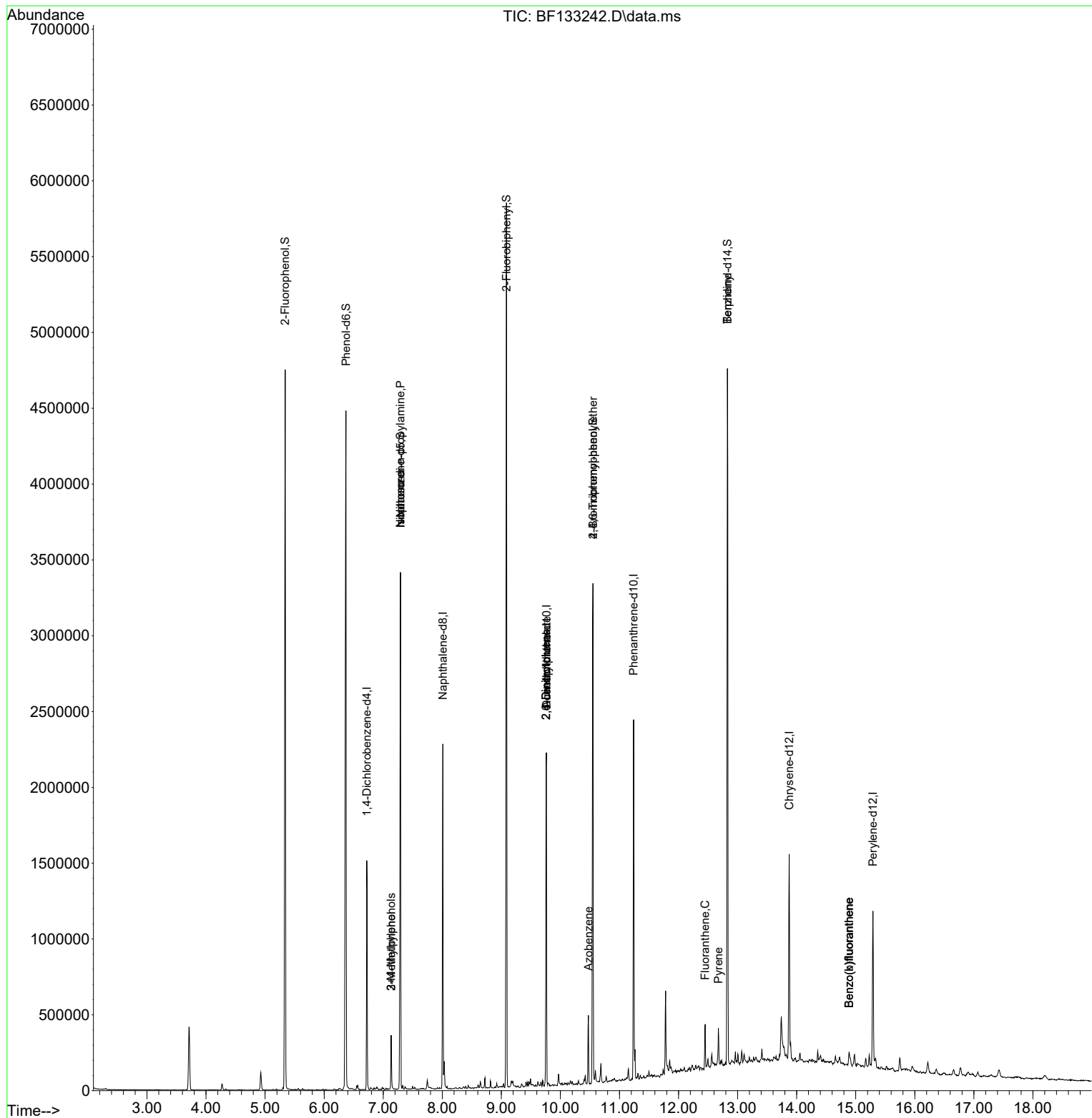
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	214892	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	856230	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	454557	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	811376	20.000	ng	0.00
76) Chrysene-d12	13.874	240	412004	20.000	ng	-0.01
86) Perylene-d12	15.292	264	429623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1435427	100.905	ng	0.00
7) Phenol-d6	6.369	99	1725208	97.708	ng	0.00
23) Nitrobenzene-d5	7.292	82	1028382	64.829	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	425842	93.153	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1712811	63.040	ng	0.00
79) Terphenyl-d14	12.827	244	1720161	72.007	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	2025	Below Cal	#	64
17) 2-Methylphenol	7.134	107	78105	5.906	ng	# 72
19) n-Nitroso-di-n-propyla...	7.292	70	138433	12.594	ng	# 76
20) 3+4-Methylphenols	7.134	107	78105	5.015	ng	# 59
25) Isophorone	7.292	82	1025098	34.036	ng	# 63
50) Dimethylphthalate	9.763	163	94975	2.996	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	61186	8.577	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	61186	6.726	ng	# 23
63) Azobenzene	10.475	77	73299	2.311	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	27066	3.076	ng	# 1
75) Fluoranthene	12.451	202	107380	2.453	ng	96
77) Benzidine	12.827	184	20888	2.998	ng	# 94
78) Pyrene	12.674	202	94555	2.677	ng	99
88) Benzo(b)fluoranthene	14.886	252	60922	2.229	ng	# 96
89) Benzo(k)fluoranthene	14.886	252	60922	2.249	ng	# 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133242.D
Acq On : 04 May 2023 21:07
Operator : CG\JU
Sample : 02588-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

Quant Time: May 05 05:32:37 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

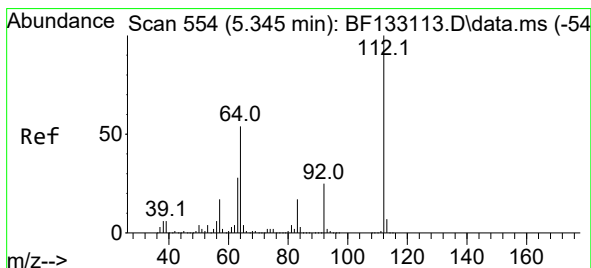
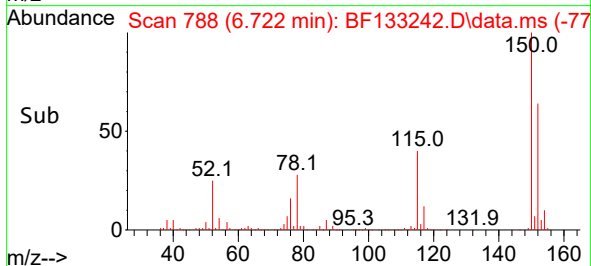
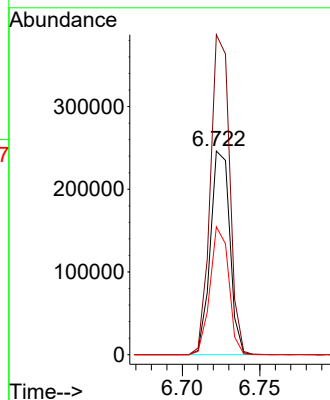
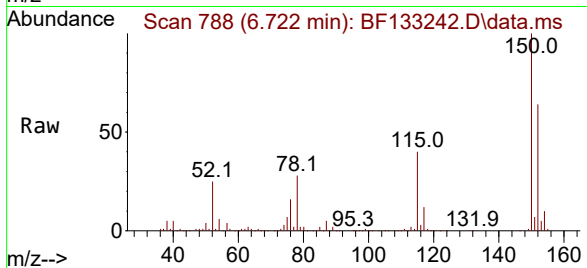




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

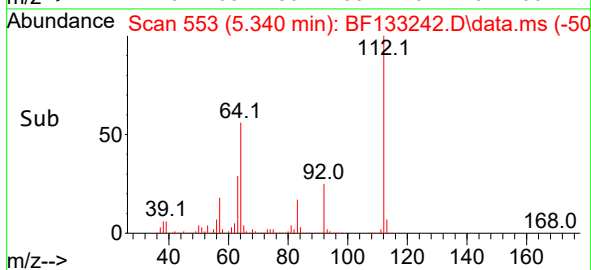
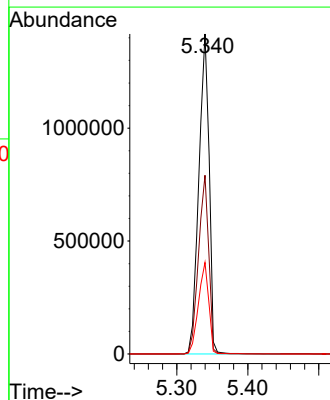
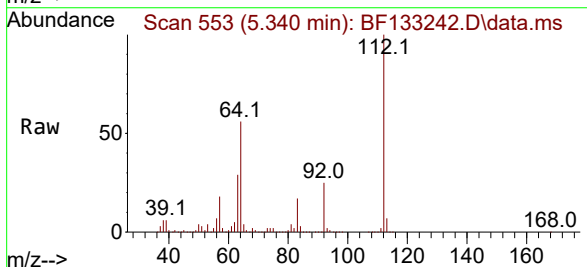
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

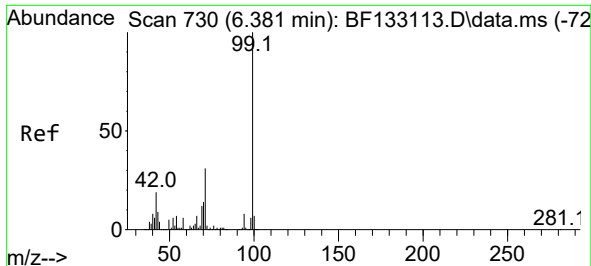
Tgt Ion:152 Resp: 214892
Ion Ratio Lower Upper
152 100
150 157.1 124.8 187.2
115 62.8 49.9 74.9



#5
2-Fluorophenol
Concen: 100.905 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion:112 Resp: 1435427
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.6 23.8 35.8





#7

Phenol-d6

Concen: 97.708 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Instrument :

BNA_F

ClientSampleId :

PILE-A-UNK-05022023

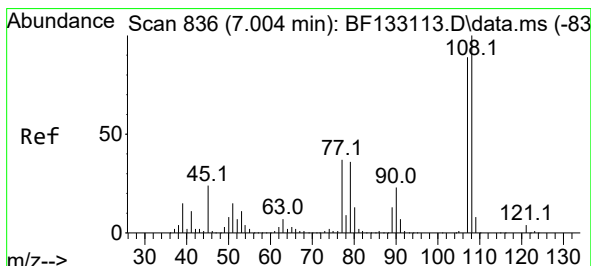
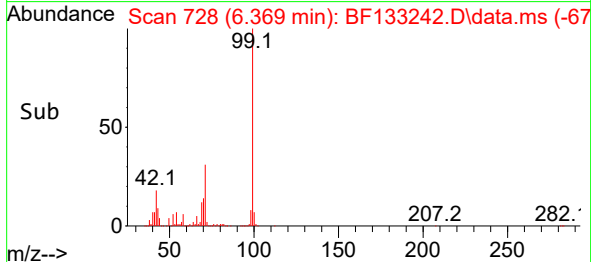
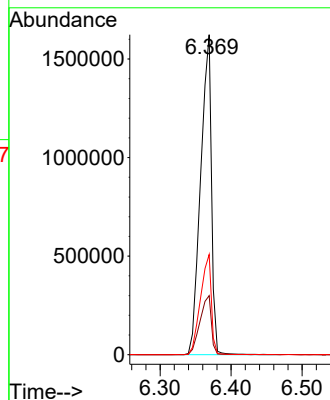
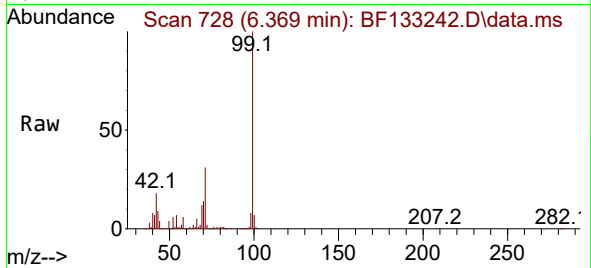
Tgt Ion: 99 Resp: 1725208

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

71 31.3 25.6 38.4



#17

2-Methylphenol

Concen: 5.906 ng

RT: 7.134 min Scan# 858

Delta R.T. 0.141 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Tgt Ion: 107 Resp: 78105

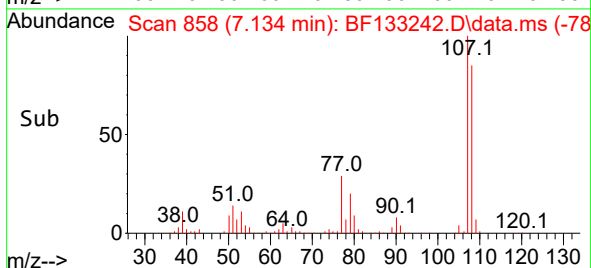
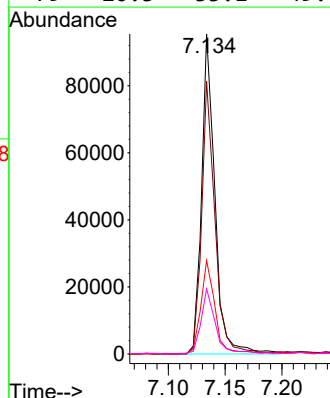
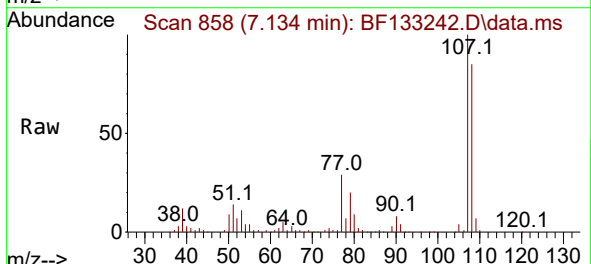
Ion Ratio Lower Upper

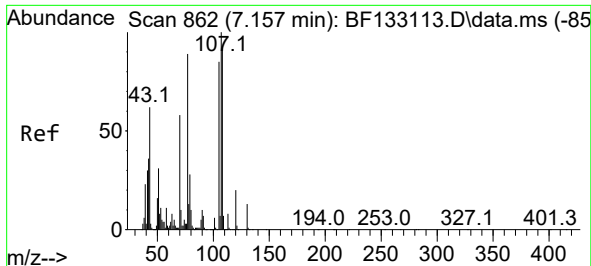
107 100

108 85.2 92.4 138.6#

77 29.2 33.8 50.8#

79 20.3 33.1 49.7#

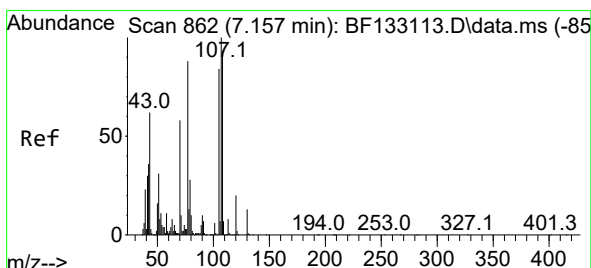
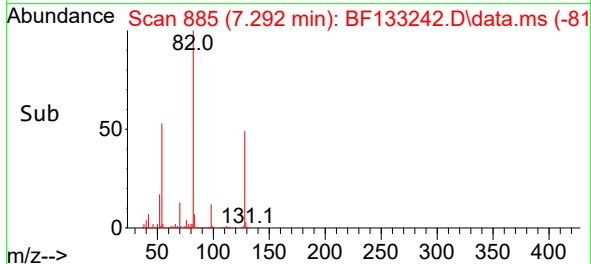
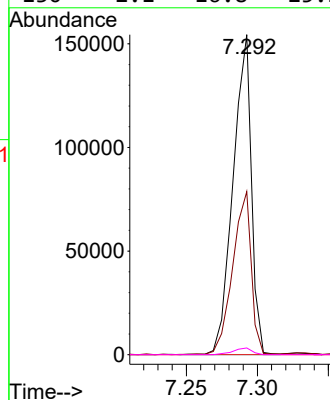
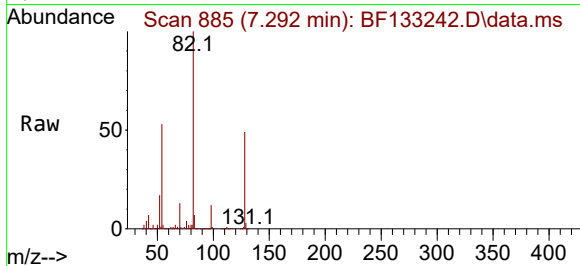




#19
n-Nitroso-di-n-propylamine
Concen: 12.594 ng
RT: 7.292 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

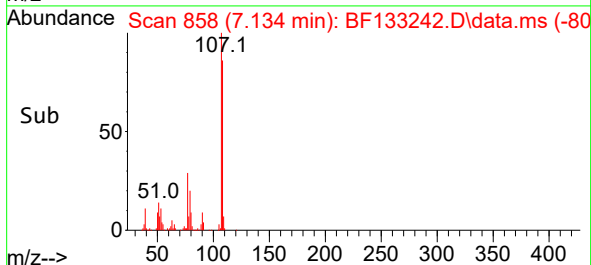
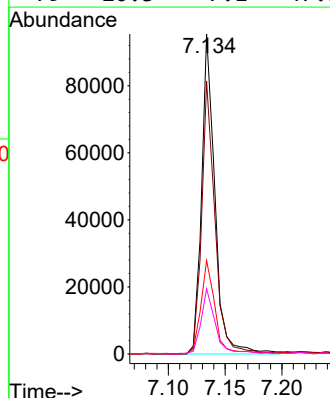
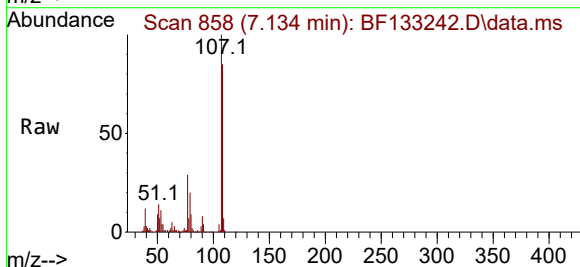
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

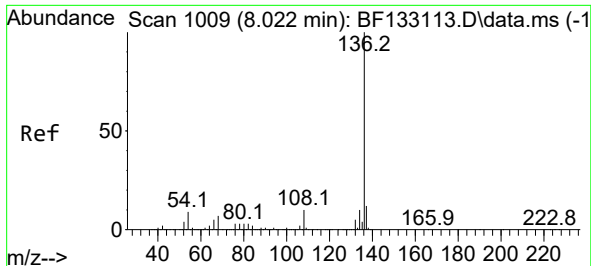
Tgt Ion: 70 Resp: 138433
Ion Ratio Lower Upper
70 100
42 50.9 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#



#20
3+4-Methylphenols
Concen: 5.015 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion: 107 Resp: 78105
Ion Ratio Lower Upper
107 100
108 85.2 70.5 110.5
77 29.2 91.7 131.7#
79 20.3 7.1 47.1



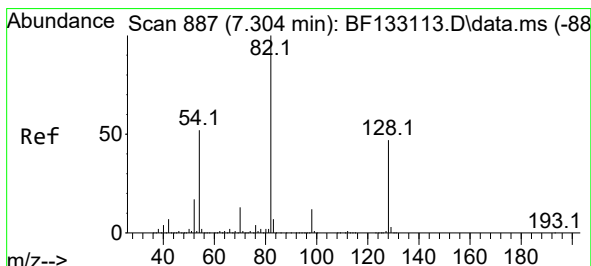
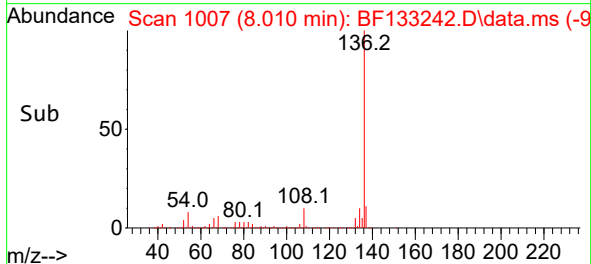
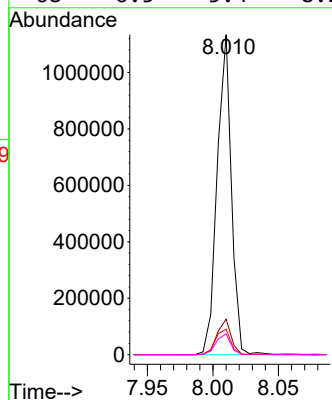
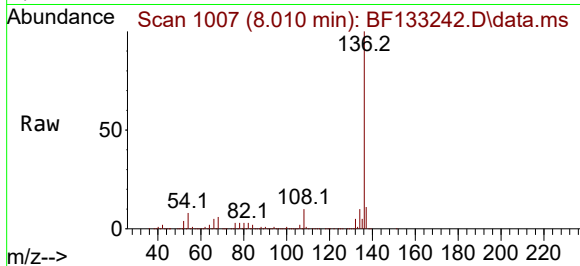


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

Tgt Ion:136 Resp: 856230

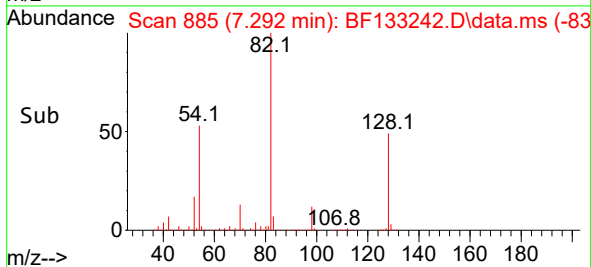
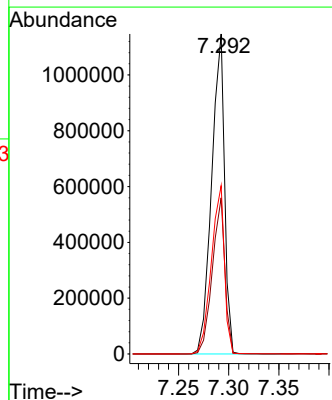
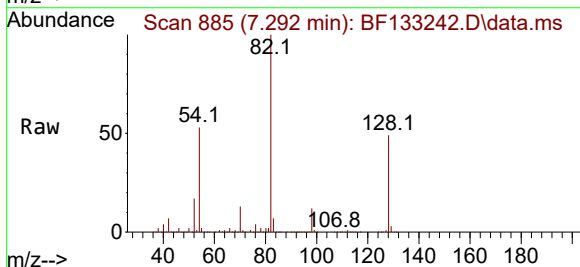
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.9	7.0	10.4
68	6.5	5.4	8.2

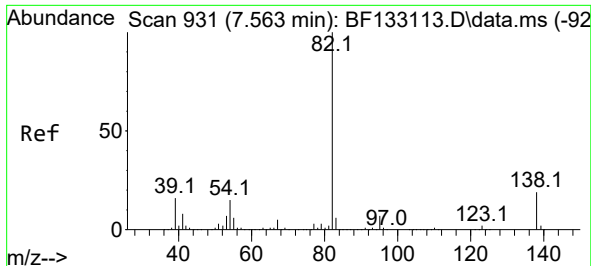


#23
Nitrobenzene-d5
Concen: 64.829 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion: 82 Resp: 1028382

Ion	Ratio	Lower	Upper
82	100		
128	48.8	37.7	56.5
54	52.6	43.0	64.4

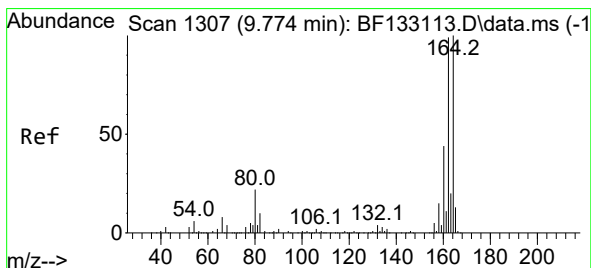
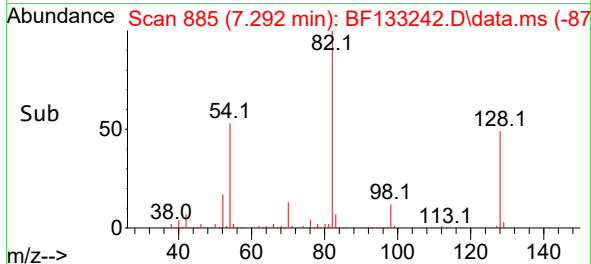
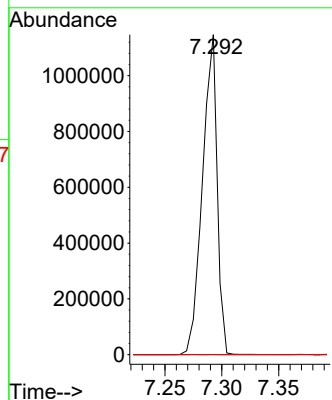
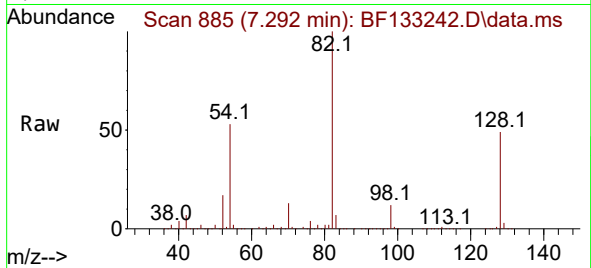




#25
Isophorone
Concen: 34.036 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

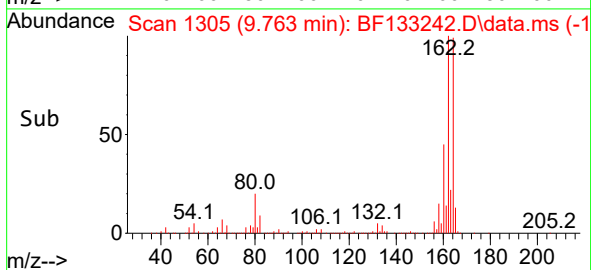
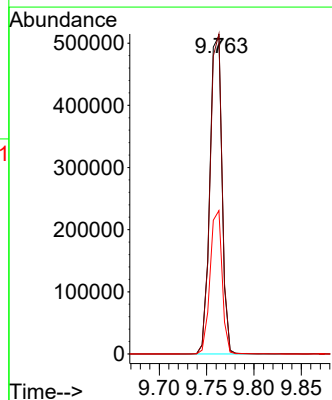
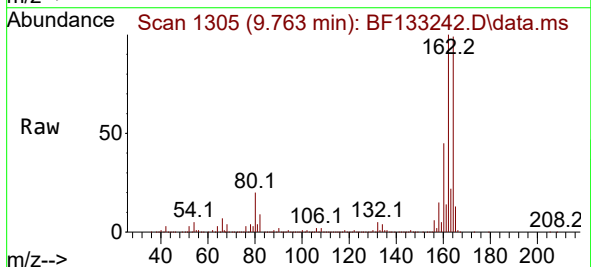
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

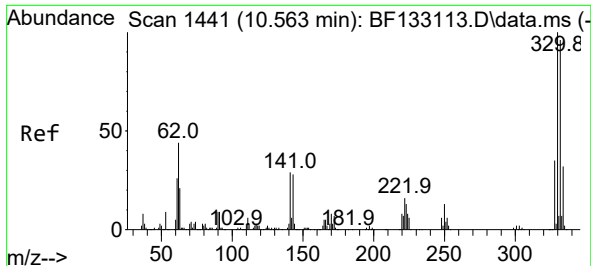
Tgt Ion: 82 Resp: 1025098
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion:164 Resp: 454557
Ion Ratio Lower Upper
164 100
162 100.6 78.7 118.1
160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 93.153 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Instrument :

BNA_F

ClientSampleId :

PILE-A-UNK-05022023

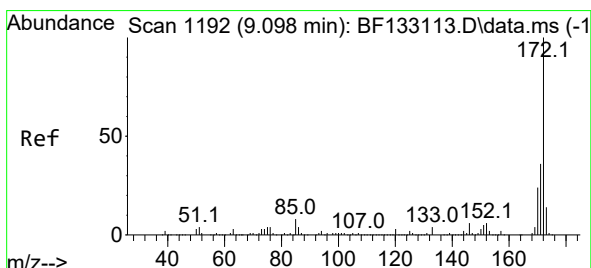
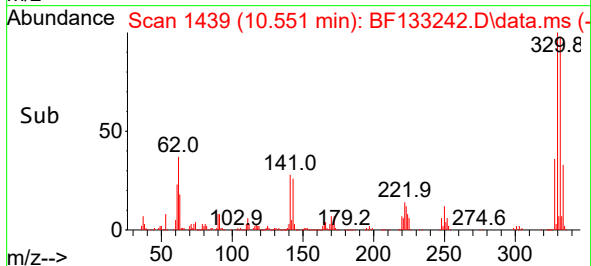
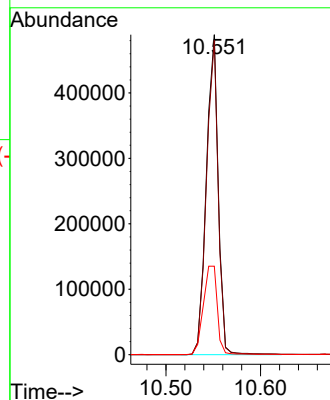
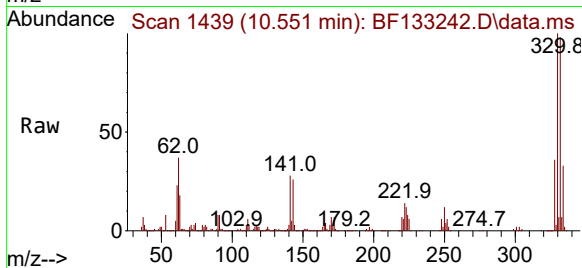
Tgt Ion:330 Resp: 425842

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 32.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 63.040 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

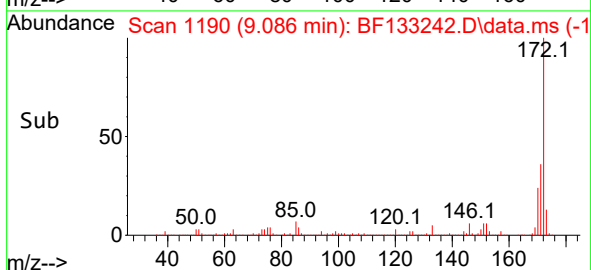
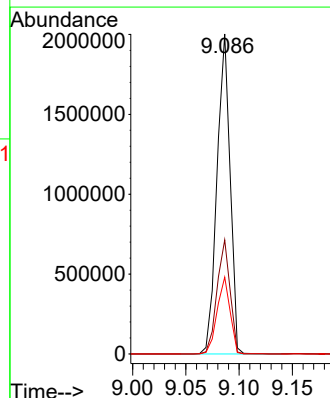
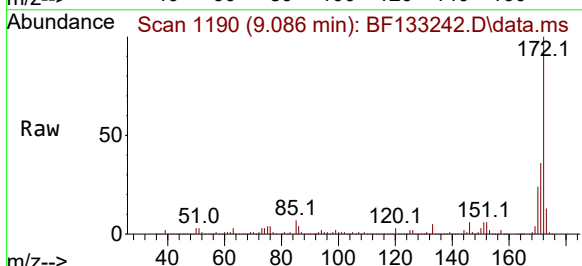
Tgt Ion:172 Resp: 1712811

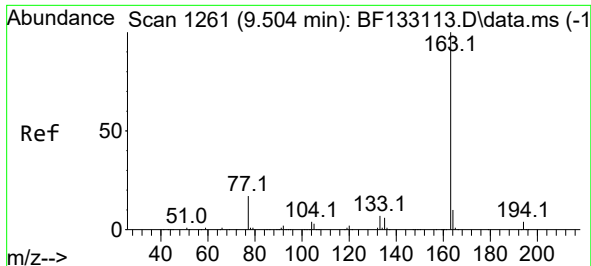
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 24.0 19.4 29.2

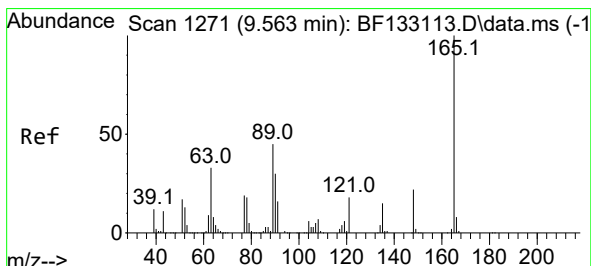
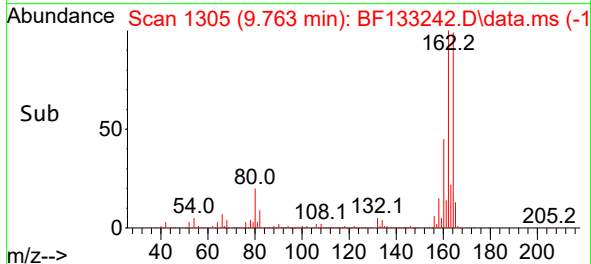
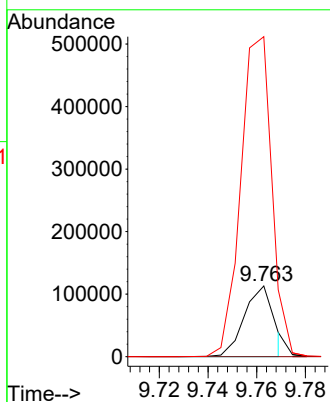
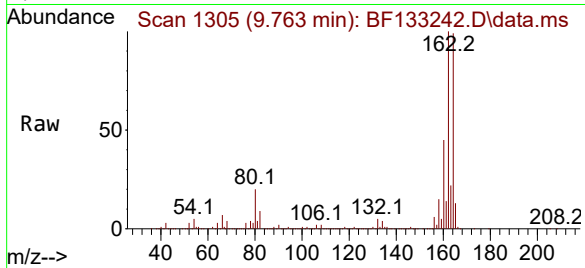




#50
Dimethylphthalate
Concen: 2.996 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

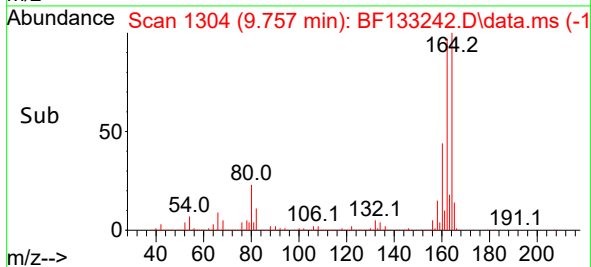
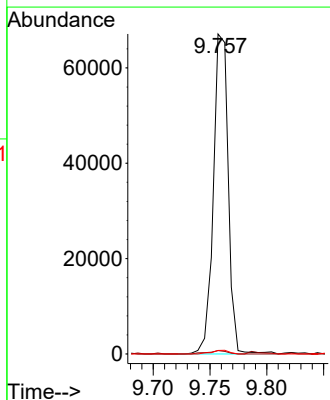
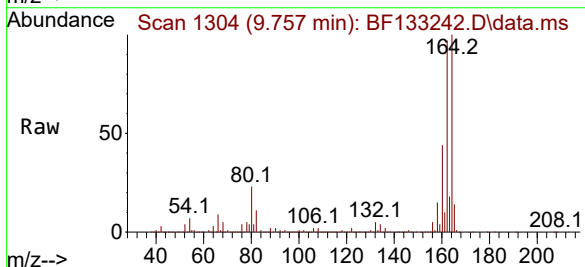
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

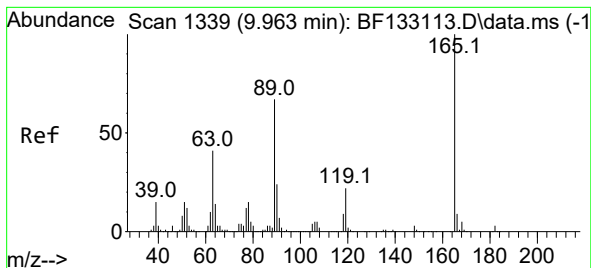
Tgt Ion:163 Resp: 94975
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 452.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.577 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.200 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion:165 Resp: 61186
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.1 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.726 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF133242.D

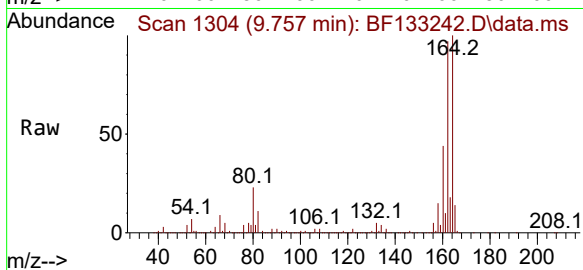
Acq: 04 May 2023 21:07

Instrument :

BNA_F

ClientSampleId :

PILE-A-UNK-05022023



Tgt Ion:165 Resp: 61186

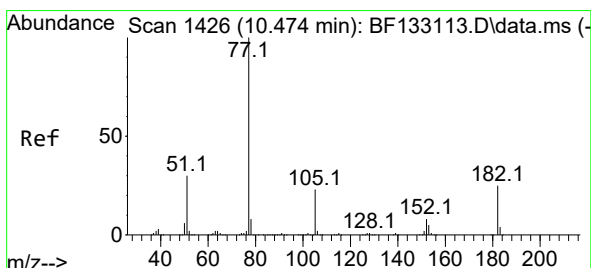
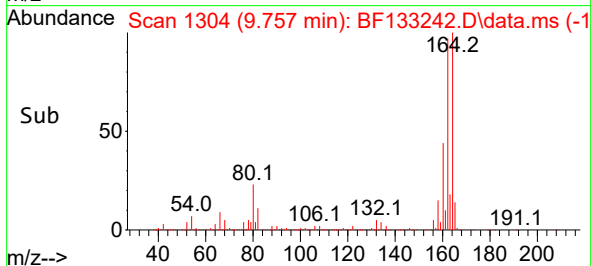
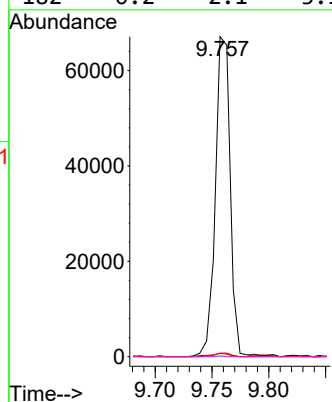
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 1.1 57.0 85.4#

182 0.2 2.1 3.1#



#63

Azobenzene

Concen: 2.311 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Tgt Ion: 77 Resp: 73299

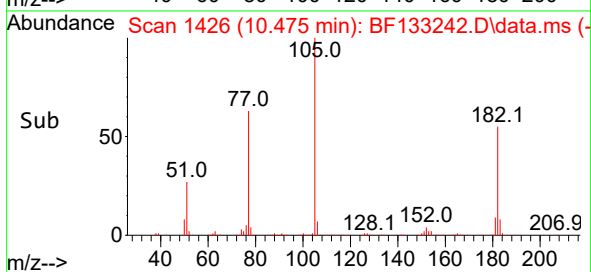
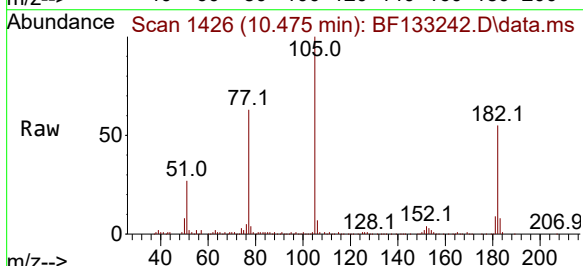
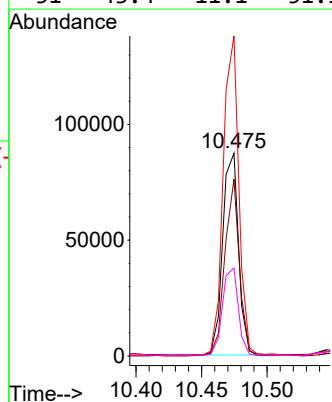
Ion Ratio Lower Upper

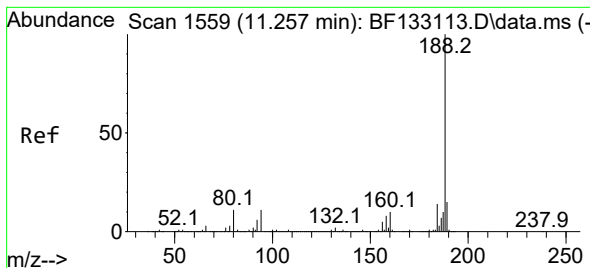
77 100

182 87.3 5.9 45.9#

105 157.9 2.3 42.3#

51 43.4 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Instrument :

BNA_F

ClientSampleId :

PILE-A-UNK-05022023

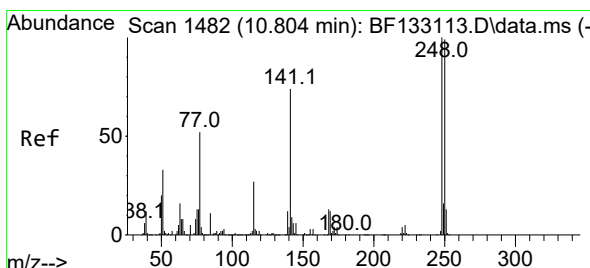
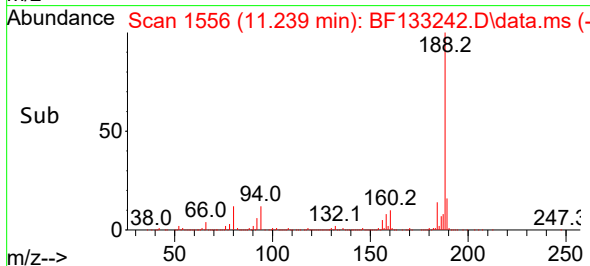
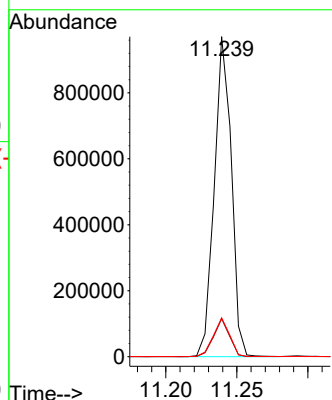
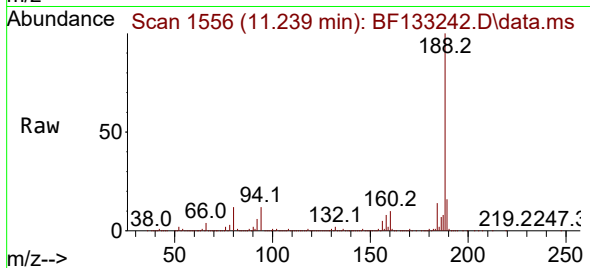
Tgt Ion:188 Resp: 811376

Ion Ratio Lower Upper

188 100

94 11.9 9.7 14.5

80 12.1 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.076 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.247 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

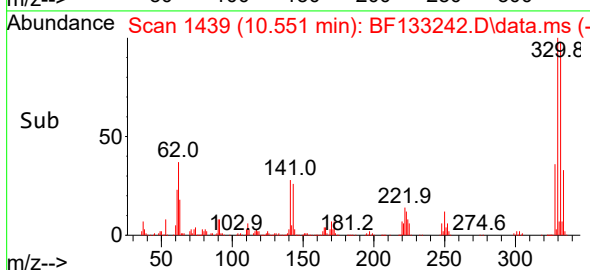
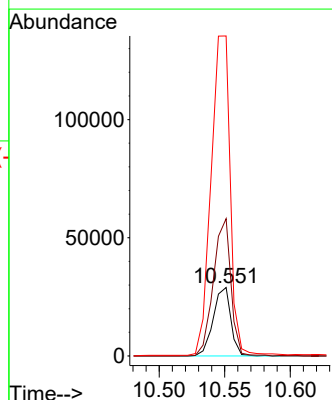
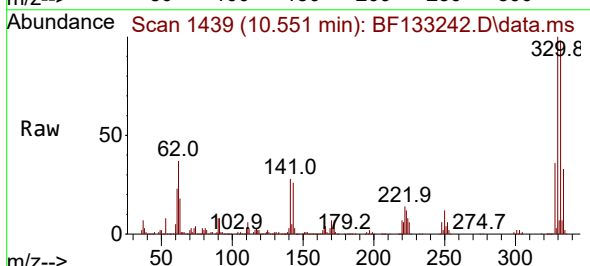
Tgt Ion:248 Resp: 27066

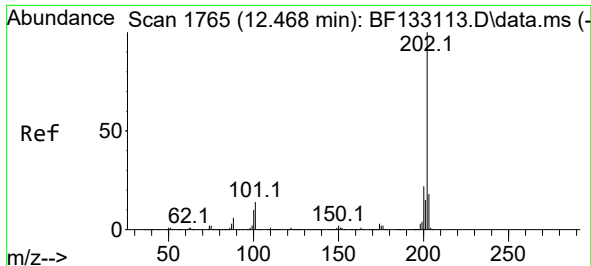
Ion Ratio Lower Upper

248 100

250 200.2 78.7 118.1#

141 466.9 56.3 84.5#

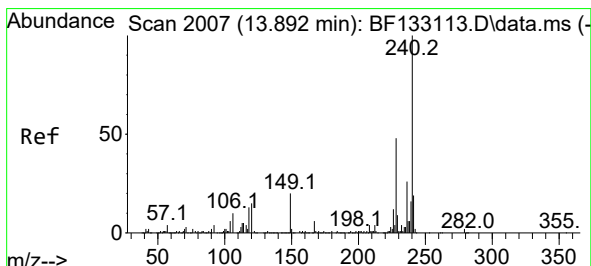
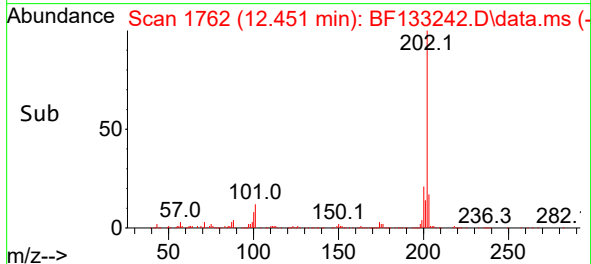
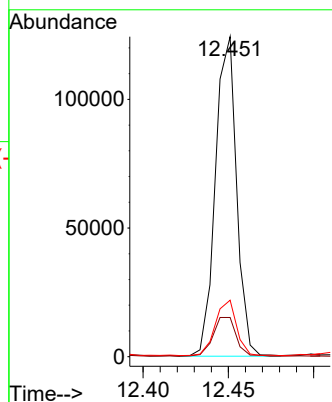
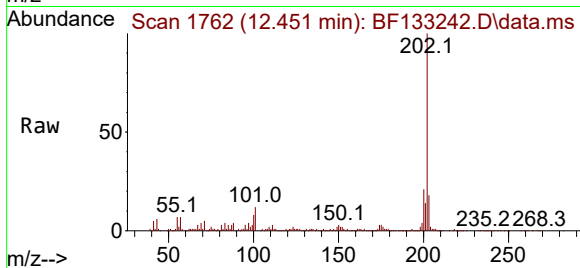




#75
Fluoranthene
Concen: 2.453 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

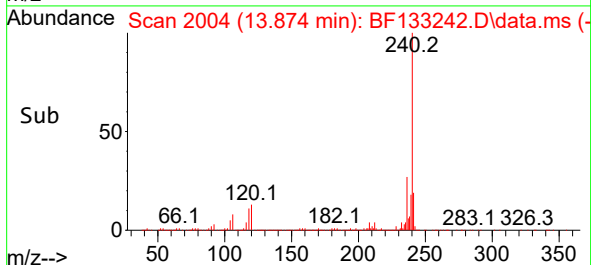
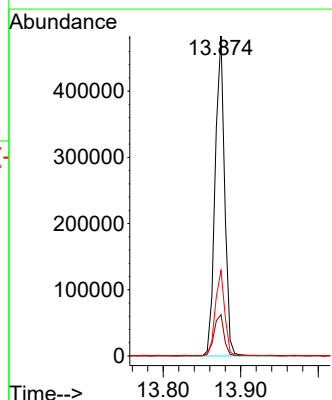
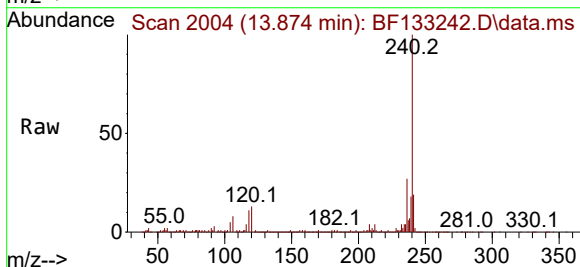
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

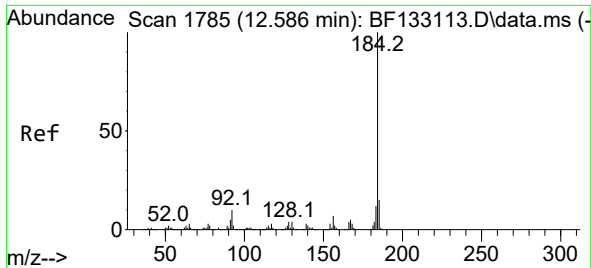
Tgt Ion:202 Resp: 107380
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.3
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion:240 Resp: 412004
Ion Ratio Lower Upper
240 100
120 12.9 10.5 15.7
236 26.7 21.5 32.3

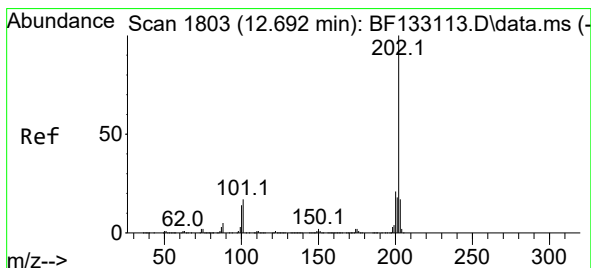
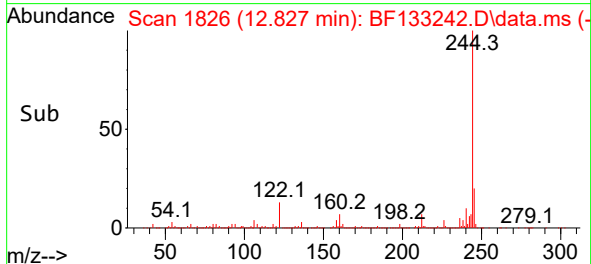
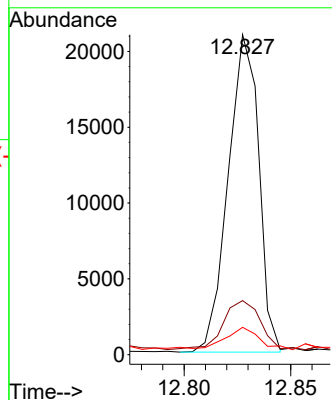
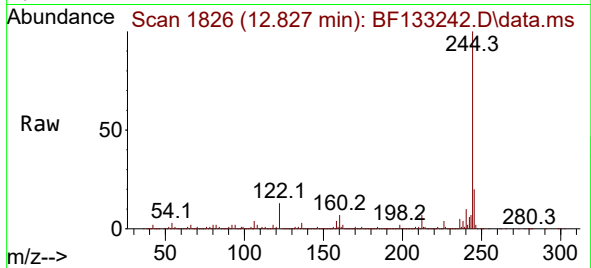




#77
Benzidine
Concen: 2.998 ng
RT: 12.827 min Scan# 11
Delta R.T. 0.247 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

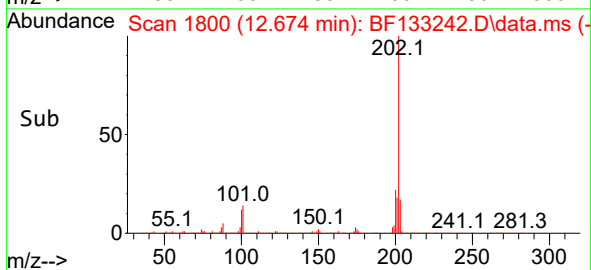
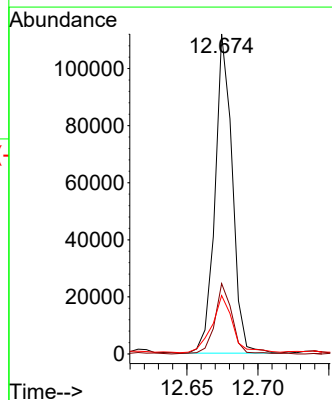
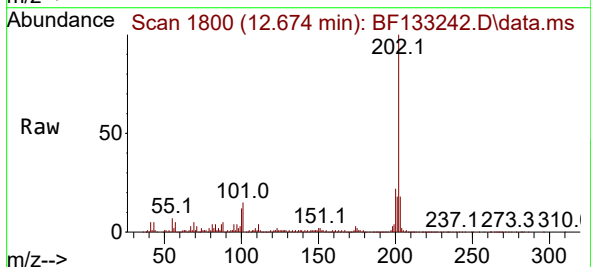
Instrument :
BNA_F
ClientSampleId :
PILE-A-UNK-05022023

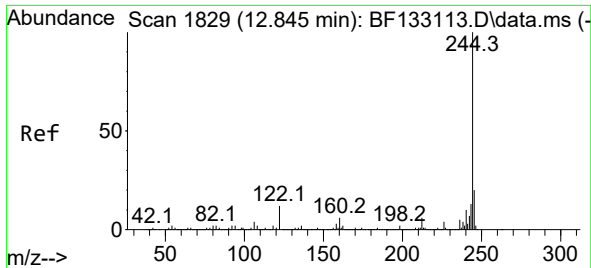
Tgt Ion:184 Resp: 20888
Ion Ratio Lower Upper
184 100
185 16.9 15.4 23.2
183 8.5 9.4 14.0#



#78
Pyrene
Concen: 2.677 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133242.D
Acq: 04 May 2023 21:07

Tgt Ion:202 Resp: 94555
Ion Ratio Lower Upper
202 100
200 22.0 17.1 25.7
203 18.3 14.1 21.1

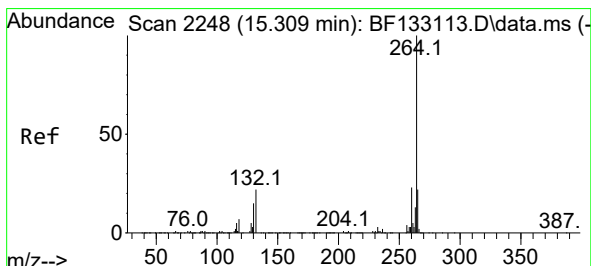
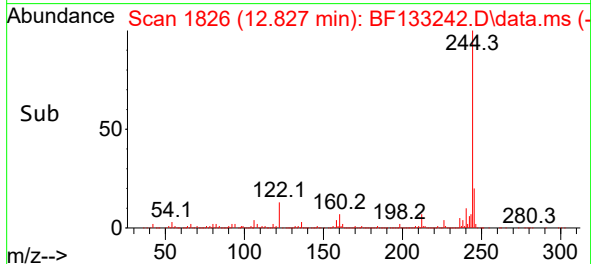
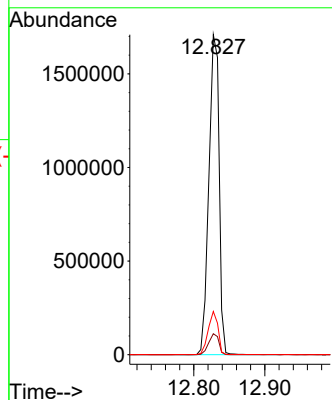
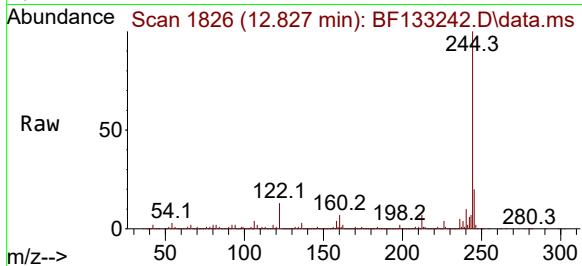




#79
 Terphenyl-d14
 Concen: 72.007 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF133242.D
 Acq: 04 May 2023 21:07

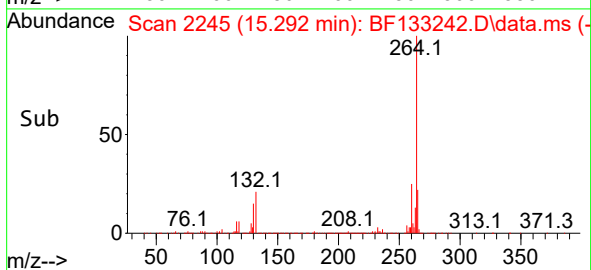
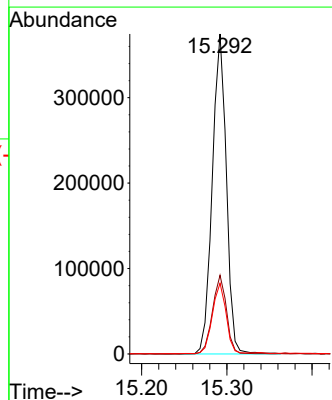
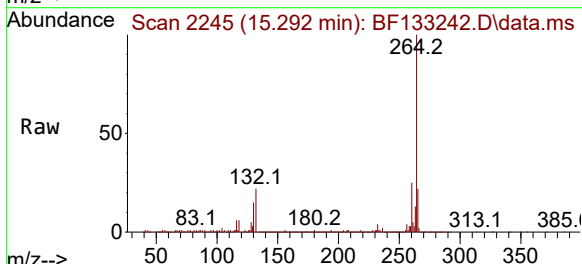
Instrument :
 BNA_F
 ClientSampleId :
 PILE-A-UNK-05022023

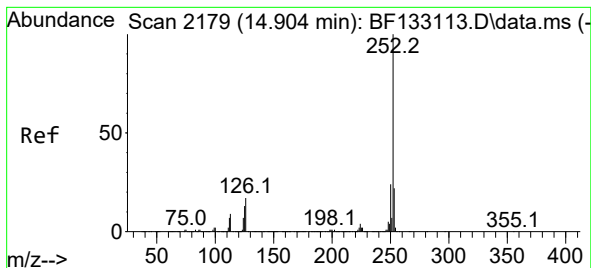
Tgt Ion:244 Resp: 1720161
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 13.5 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.006 min
 Lab File: BF133242.D
 Acq: 04 May 2023 21:07

Tgt Ion:264 Resp: 429623
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 22.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.229 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.012 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Instrument :

BNA_F

ClientSampleId :

PILE-A-UNK-05022023

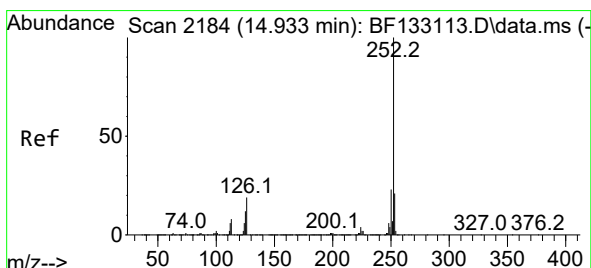
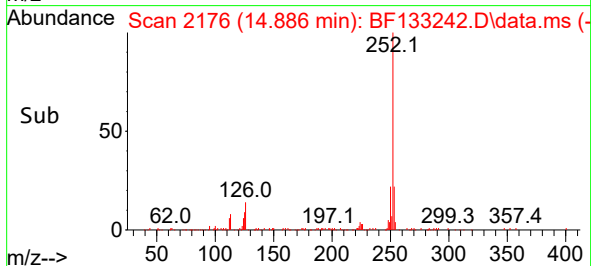
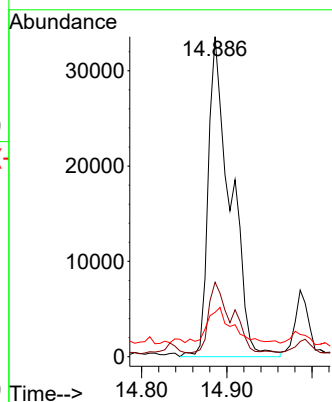
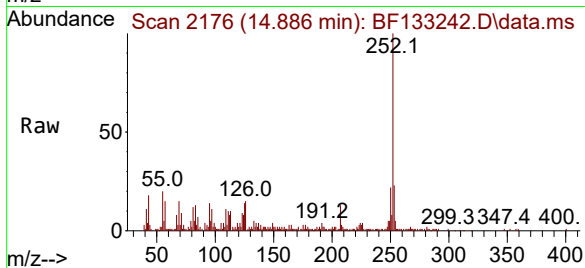
Tgt Ion:252 Resp: 60922

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 13.9 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 2.249 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.041 min

Lab File: BF133242.D

Acq: 04 May 2023 21:07

Tgt Ion:252 Resp: 60922

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 13.9 9.0 13.4#

