

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133597.D
 Acq On : 06 Jun 2023 18:11
 Operator : CG\JU
 Sample : 02981-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jun 06 18:42:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

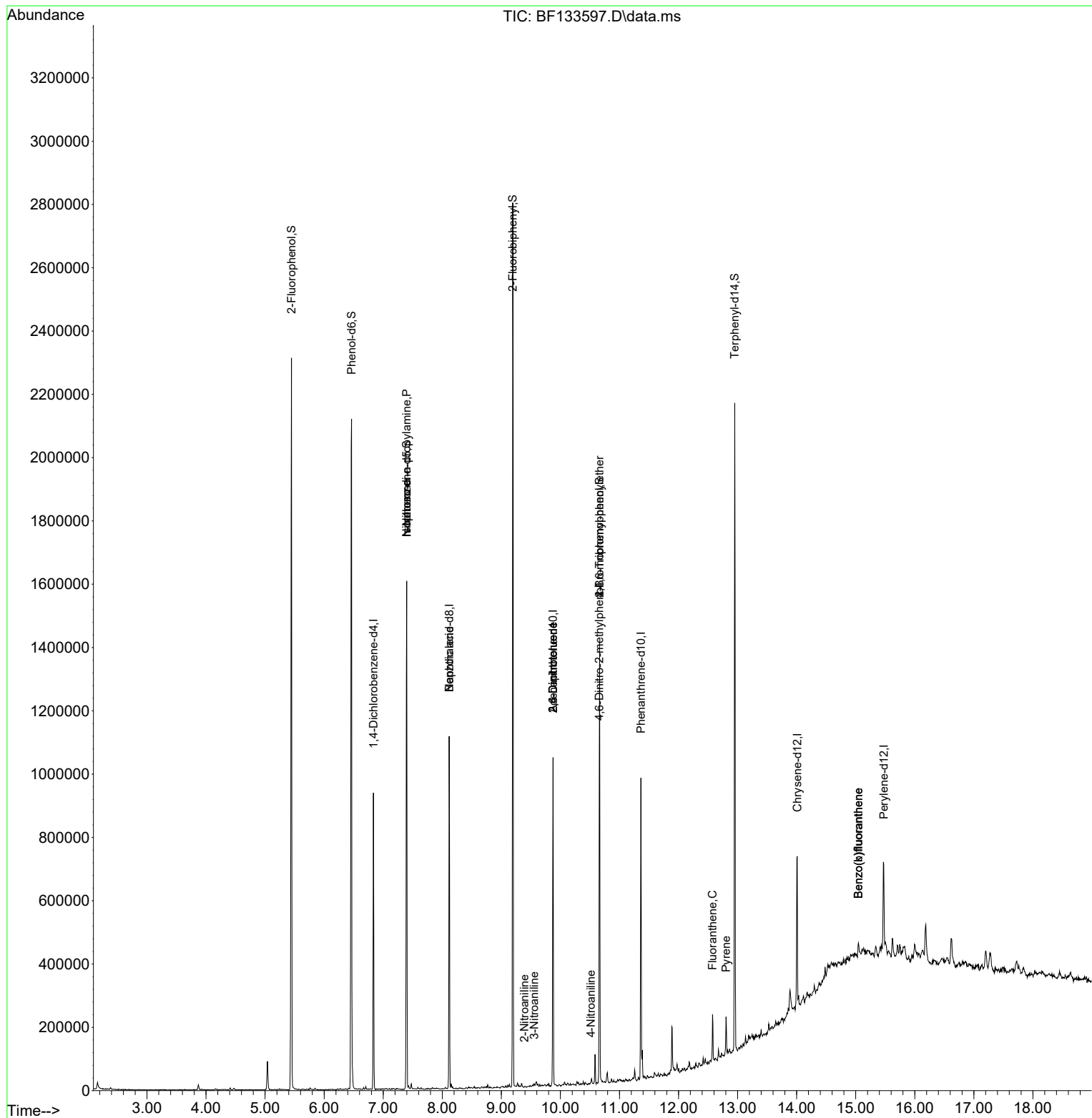
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	120728	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	438690	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	184997	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	318141	20.000	ng	0.00
76) Chrysene-d12	14.010	240	164454	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	137363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	602545	83.272	ng	0.00
7) Phenol-d6	6.463	99	714373	80.200	ng	0.00
23) Nitrobenzene-d5	7.398	82	439808	66.939	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	152827	82.874	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	800685	66.802	ng	0.00
79) Terphenyl-d14	12.951	244	694650	75.102	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	76	Below Cal		Qvalue # 86
19) n-Nitroso-di-n-propyla...	7.398	70	61176	10.615	ng	# 74
25) Isophorone	7.398	82	439802	28.721	ng	# 65
32) Benzoic acid	8.116	122	89	7.367	ng	# 1
48) 2-Nitroaniline	9.392	65	68	4.008	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	23199	12.347	ng	# 19
53) 3-Nitroaniline	9.557	138	58	3.197	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	23199	11.559	ng	# 16
62) 4-Nitroaniline	10.516	138	59	3.003	ng	# 51
65) 4,6-Dinitro-2-methylph...	10.657	198	249	8.868	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	8711	2.578	ng	# 1
75) Fluoranthene	12.575	202	58252	3.273	ng	98
78) Pyrene	12.804	202	46503	3.323	ng	98
88) Benzo(b)fluoranthene	15.045	252	19126	2.138	ng	# 65
89) Benzo(k)fluoranthene	15.045	252	19063	2.186	ng	# 65

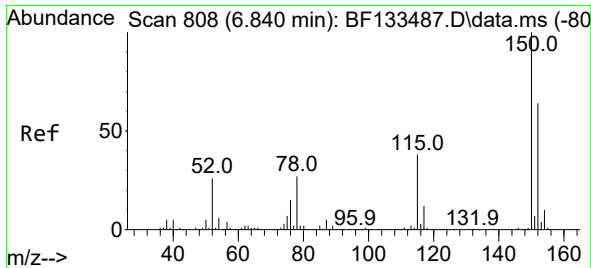
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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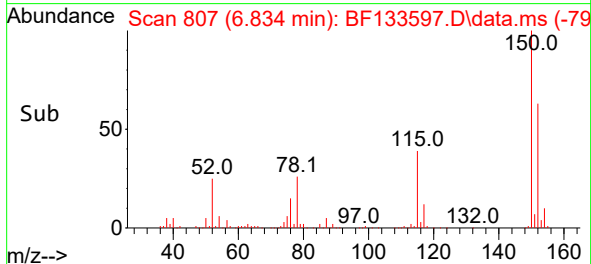
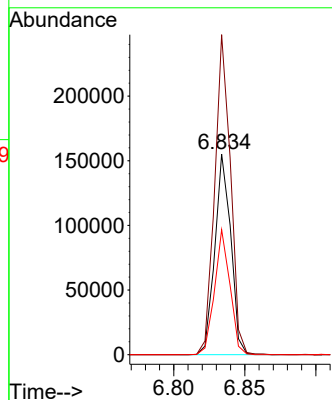
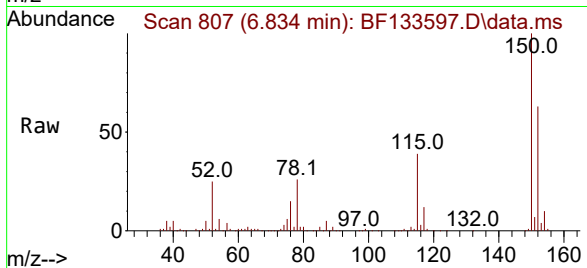




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

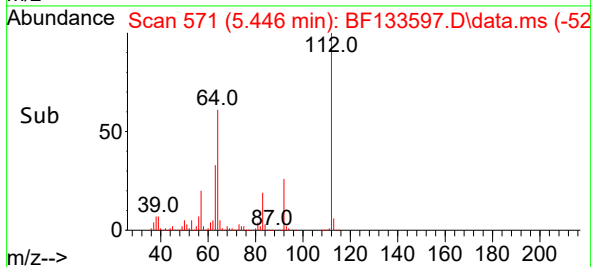
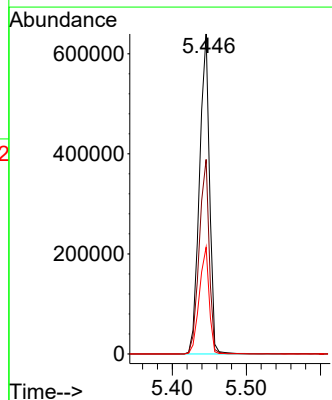
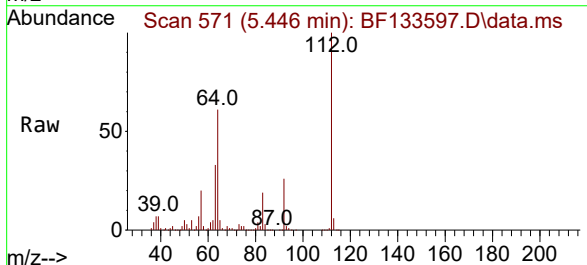
Instrument :
BNA_F
ClientSampleId :
TP-4

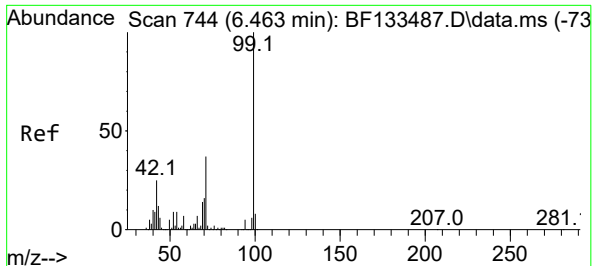
Tgt Ion:152 Resp: 120728
Ion Ratio Lower Upper
152 100
150 159.4 124.9 187.3
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 83.272 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:112 Resp: 602545
Ion Ratio Lower Upper
112 100
64 60.8 50.1 75.1
63 33.3 27.5 41.3

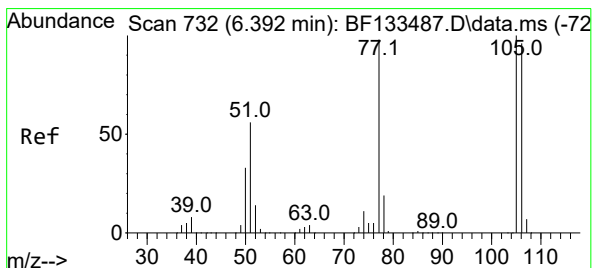
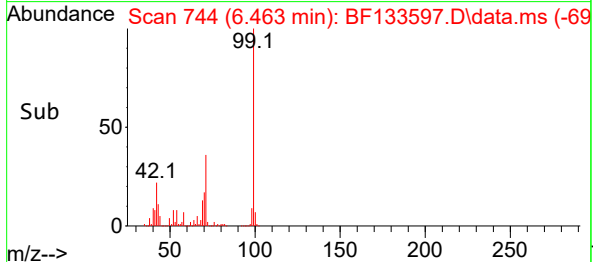
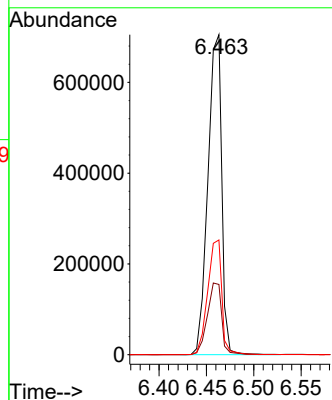
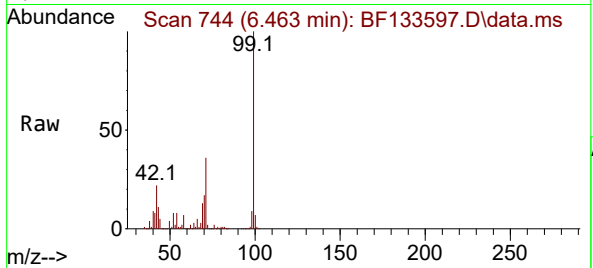




#7
Phenol-d6
Concen: 80.200 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

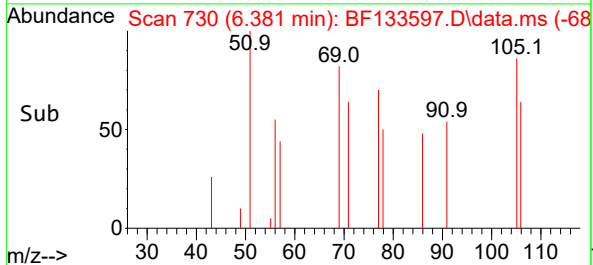
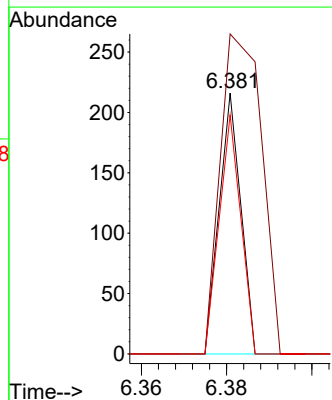
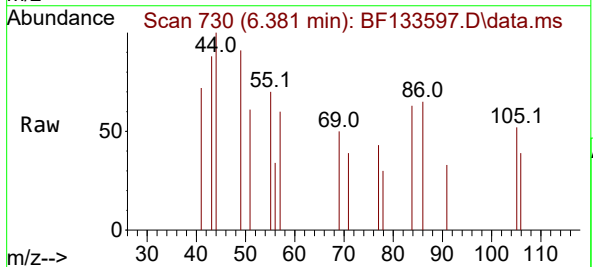
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 714373
Ion Ratio Lower Upper
99 100
42 21.9 19.7 29.5
71 35.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion: 77 Resp: 76
Ion Ratio Lower Upper
77 100
105 122.7 81.9 121.9#
106 91.7 77.8 117.8

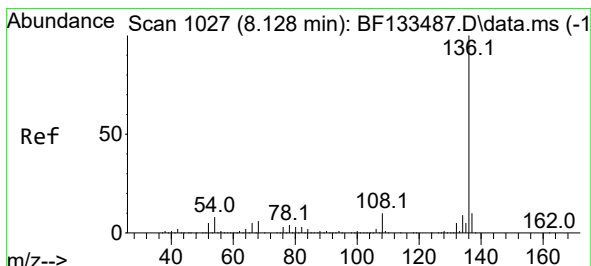
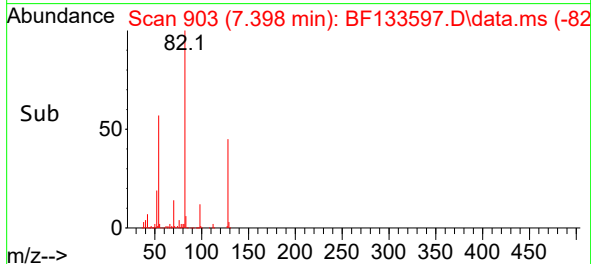
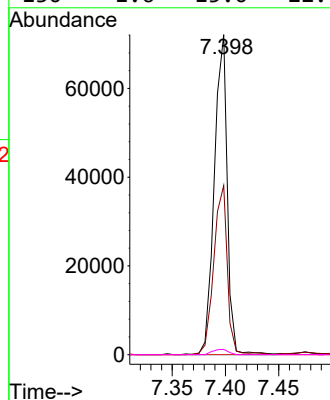
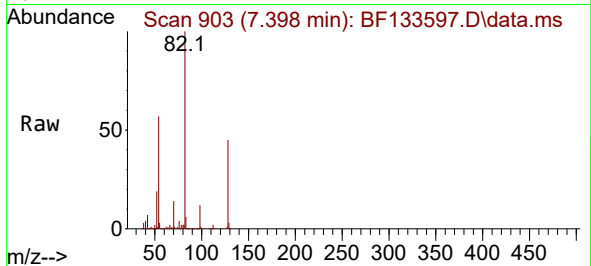




#19
n-Nitroso-di-n-propylamine
Concen: 10.615 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

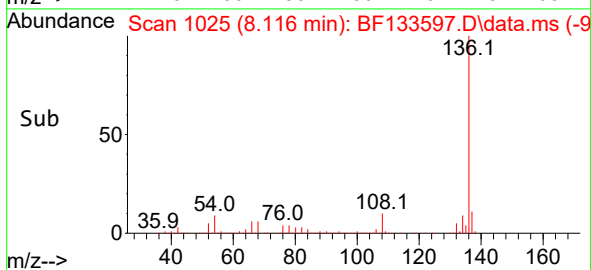
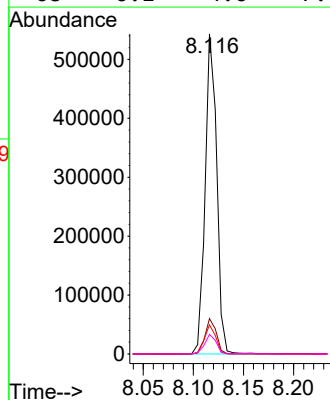
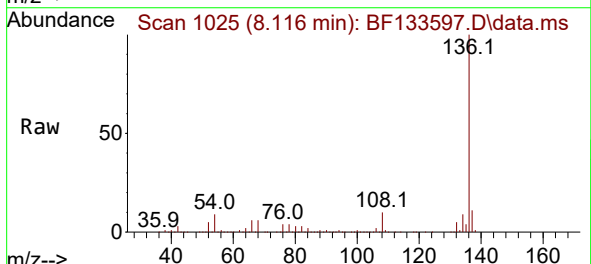
Instrument :
BNA_F
ClientSampleId :
TP-4

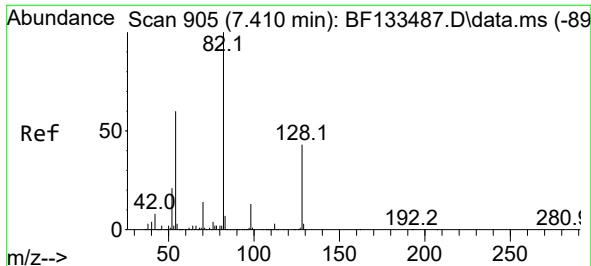
Tgt Ion: 70 Resp: 61176
Ion Ratio Lower Upper
70 100
42 52.8 57.2 85.8#
101 0.0 7.3 10.9#
130 1.6 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion: 136 Resp: 438690
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 9.1 6.6 10.0
68 6.1 4.6 7.0





#23

Nitrobenzene-d5

Concen: 66.939 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TP-4

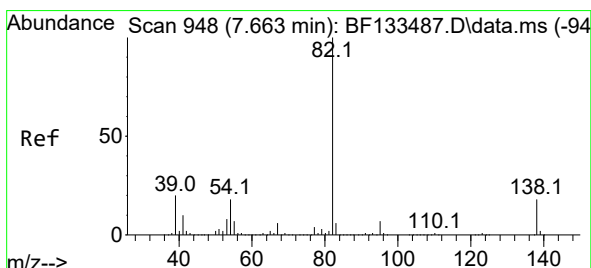
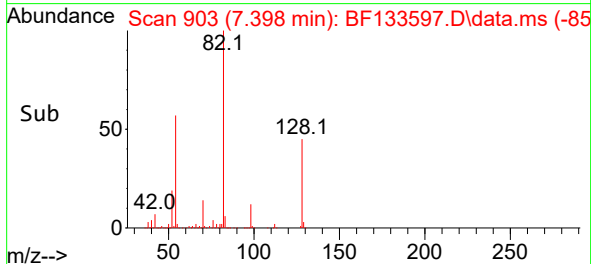
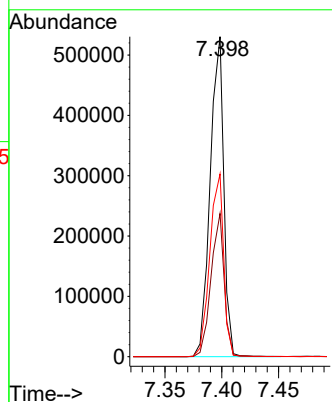
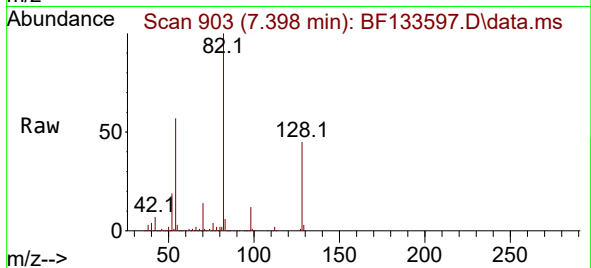
Tgt Ion: 82 Resp: 439808

Ion Ratio Lower Upper

82 100

128 44.8 34.2 51.4

54 57.1 48.2 72.4



#25

Isophorone

Concen: 28.721 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

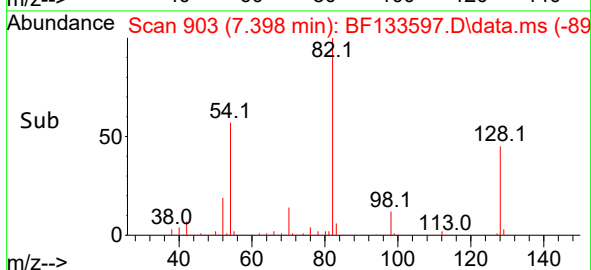
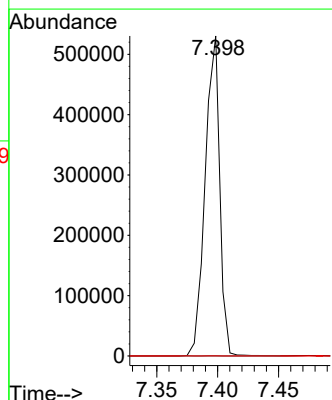
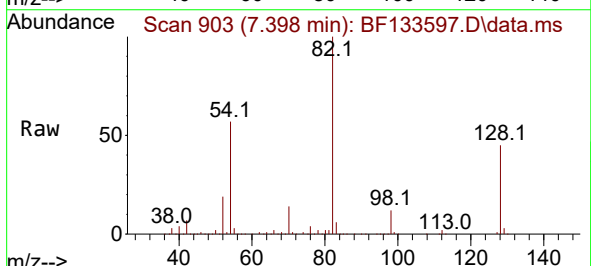
Tgt Ion: 82 Resp: 439802

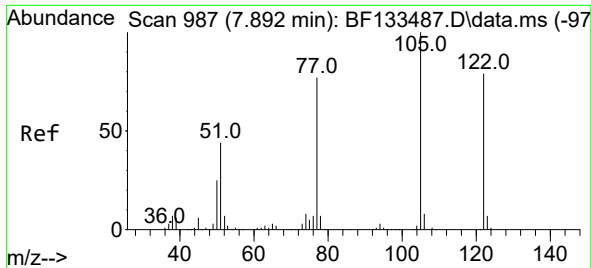
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

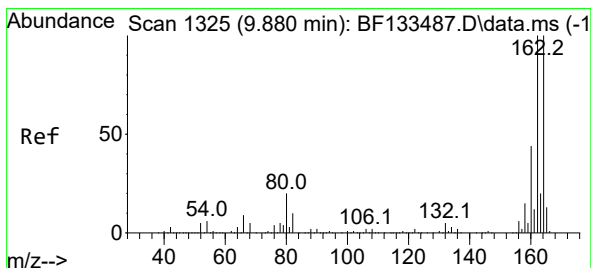
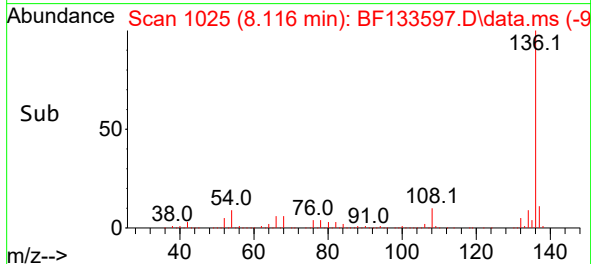
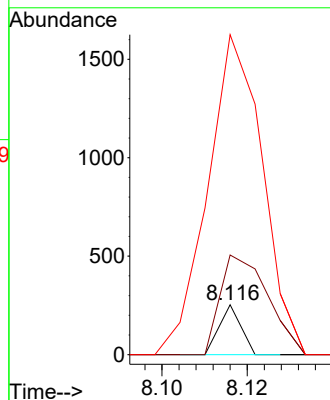
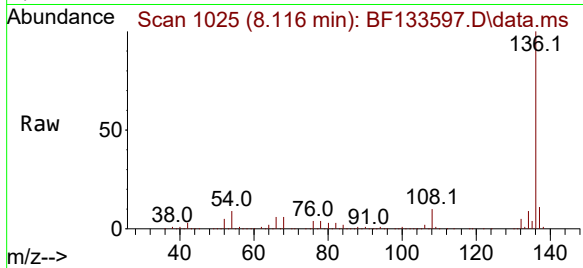




#32
Benzoic acid
Concen: 7.367 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.230 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

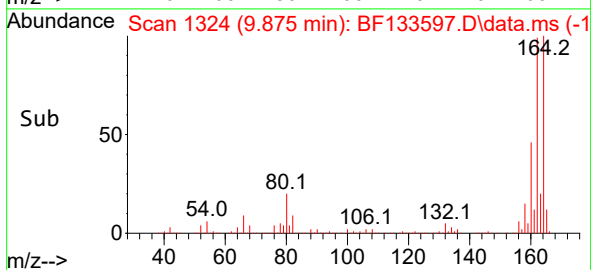
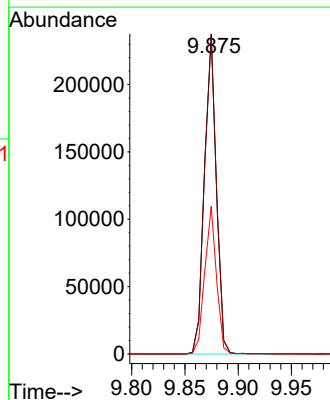
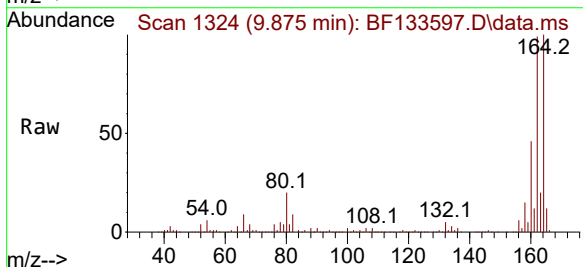
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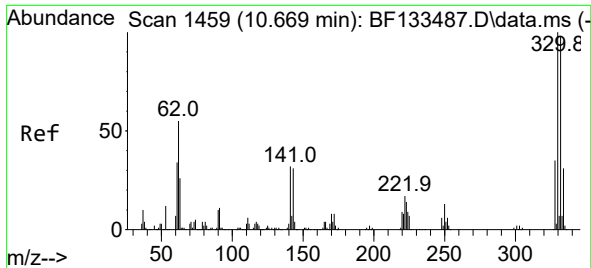
Tgt Ion:122 Resp: 89
Ion Ratio Lower Upper
122 100
105 200.0 103.3 143.3#
77 642.3 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:164 Resp: 184997
Ion Ratio Lower Upper
164 100
162 99.3 79.7 119.5
160 46.2 35.4 53.0

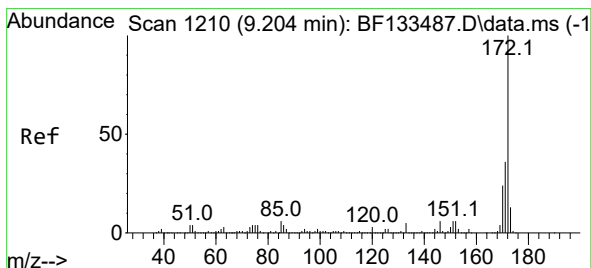
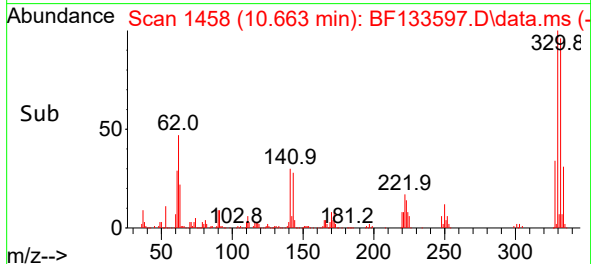
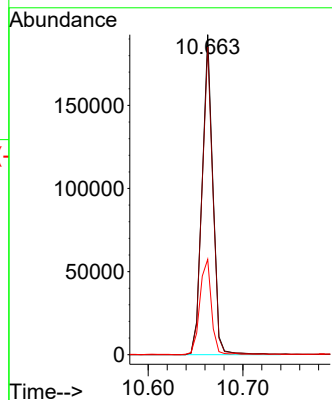
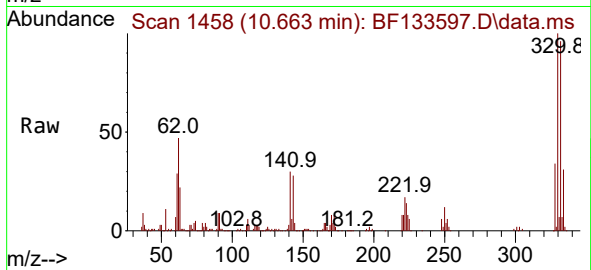




#42
2,4,6-Tribromophenol
Concen: 82.874 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

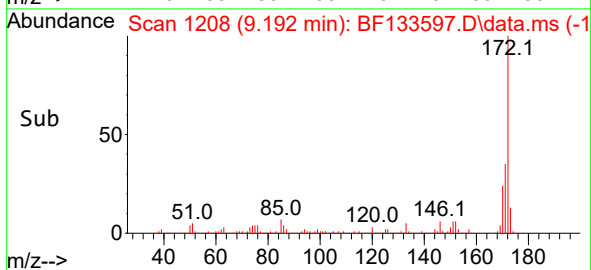
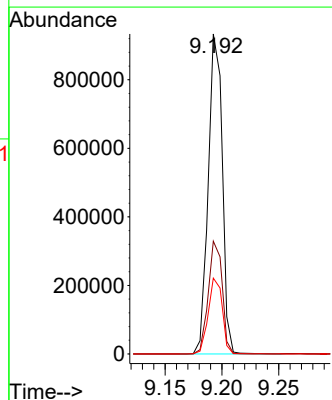
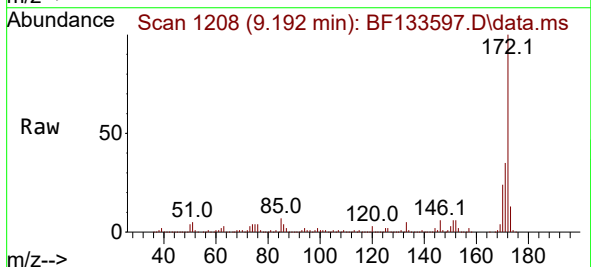
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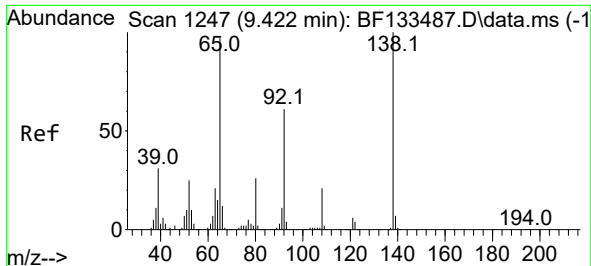
Tgt Ion:330 Resp: 152827
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 32.1 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 66.802 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:172 Resp: 800685
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.7 19.3 28.9

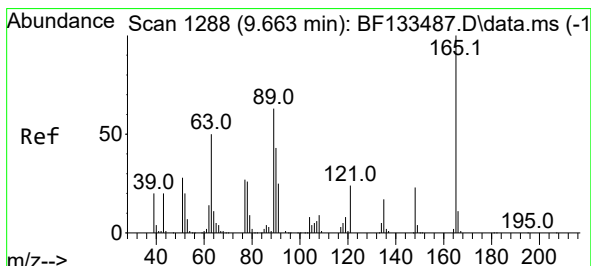
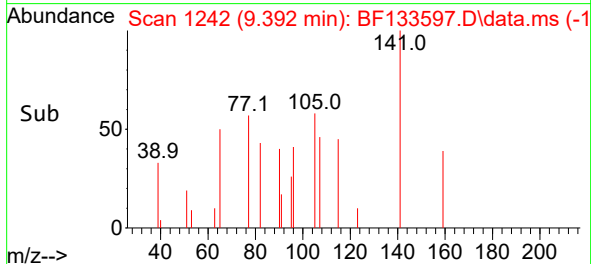
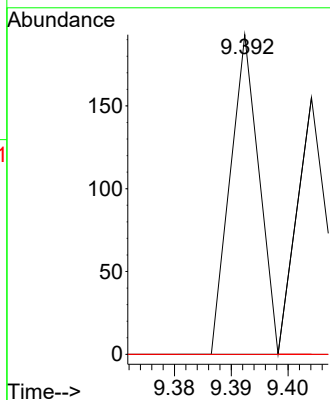
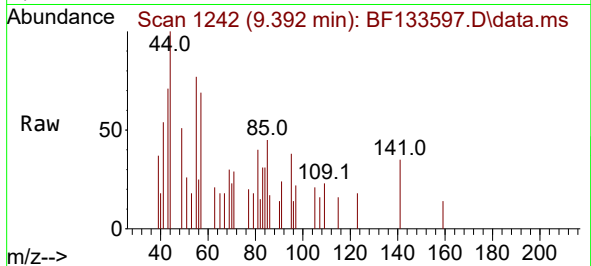




#48
2-Nitroaniline
Concen: 4.008 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

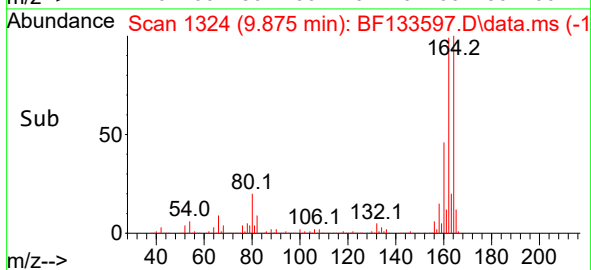
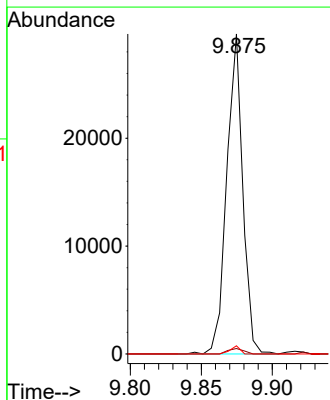
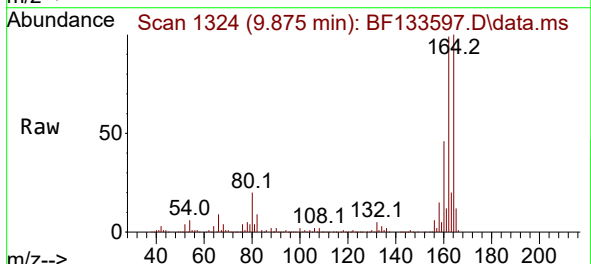
Instrument :
BNA_F
ClientSampleId :
TP-4

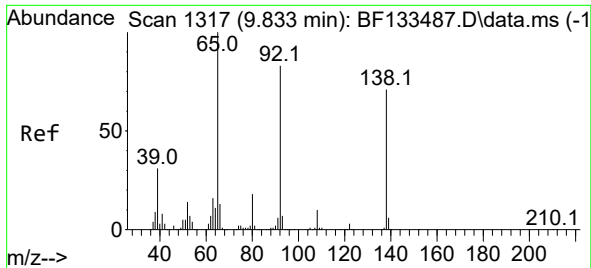
Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.347 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion: 165 Resp: 23199
Ion Ratio Lower Upper
165 100
63 1.7 57.0 85.4#
89 2.5 50.8 76.2#

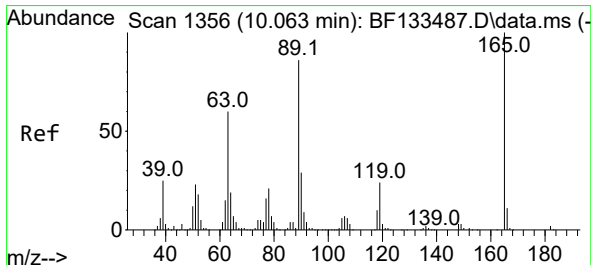
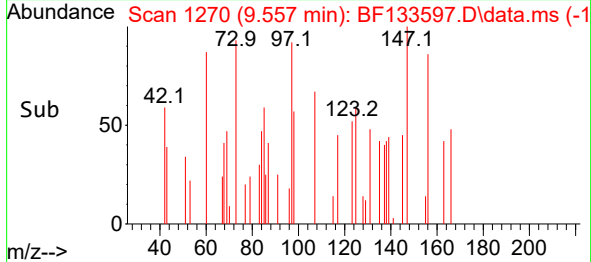
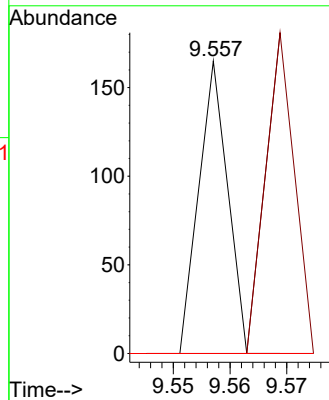
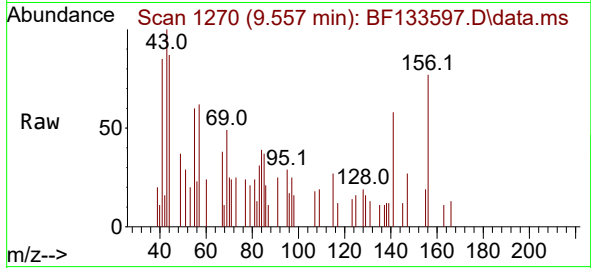




#53
3-Nitroaniline
Concen: 3.197 ng
RT: 9.557 min Scan# 11
Delta R.T. -0.276 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

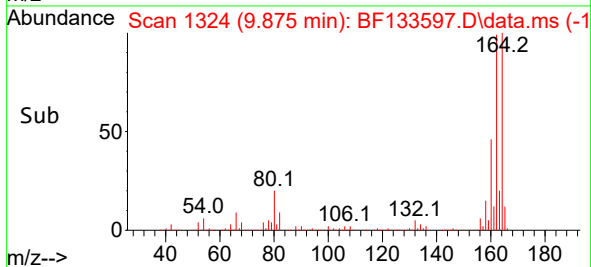
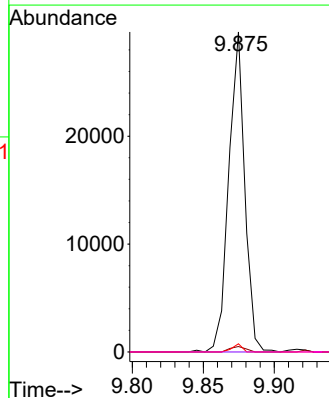
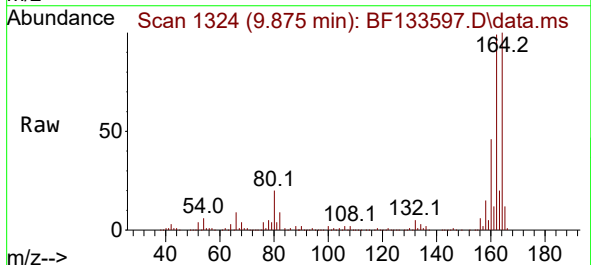
Instrument :
BNA_F
ClientSampleId :
TP-4

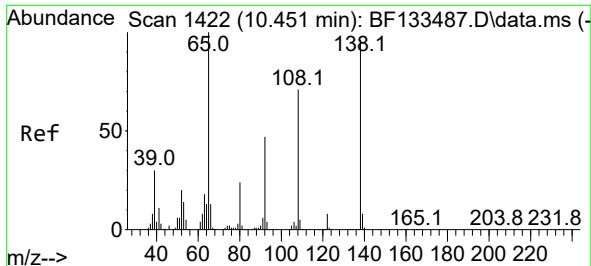
Tgt Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.559 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:165 Resp: 23199
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 2.5 68.4 102.6#
182 0.0 1.9 2.9#

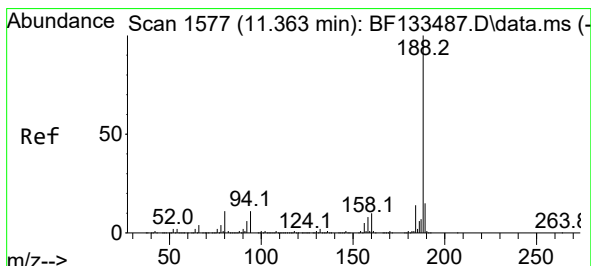
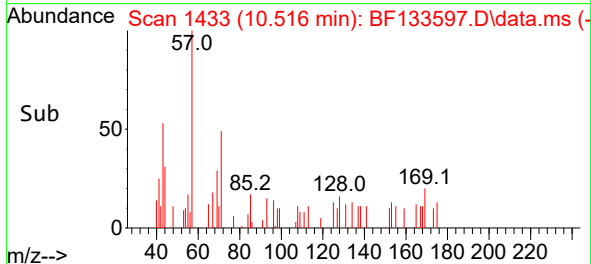
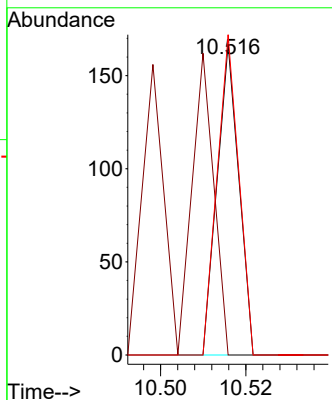
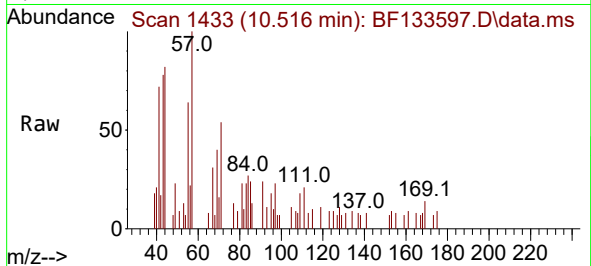




#62
4-Nitroaniline
Concen: 3.003 ng
RT: 10.516 min Scan# 1422
Delta R.T. 0.071 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

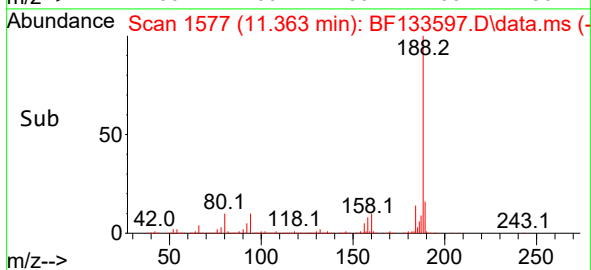
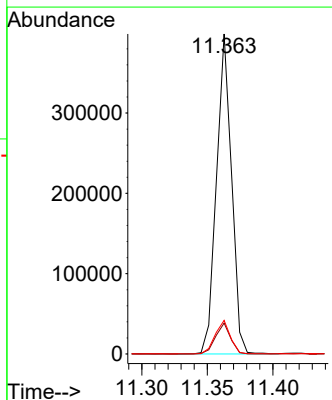
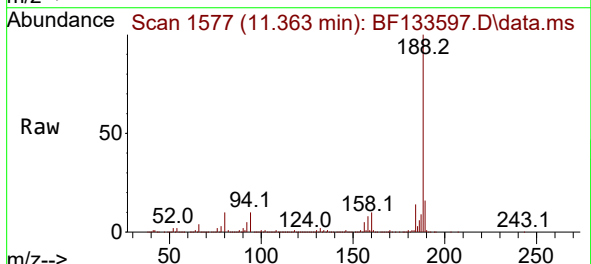
Instrument :
BNA_F
ClientSampleId :
TP-4

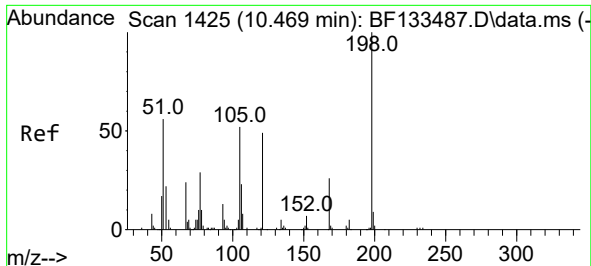
Tgt Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 103.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:188 Resp: 318141
Ion Ratio Lower Upper
188 100
94 9.7 8.6 12.8
80 10.5 9.2 13.8

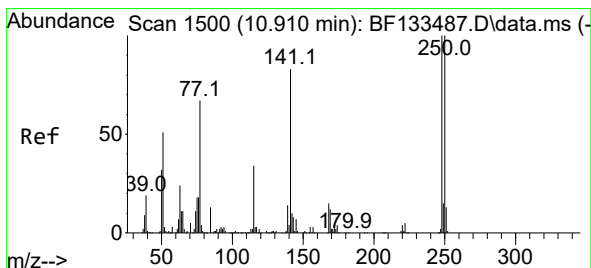
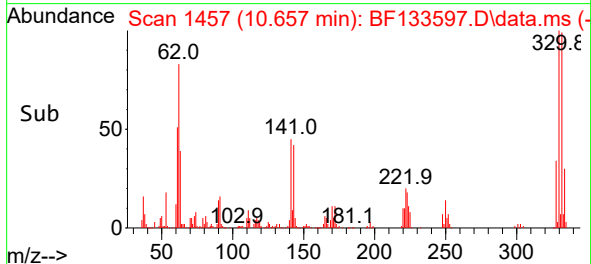
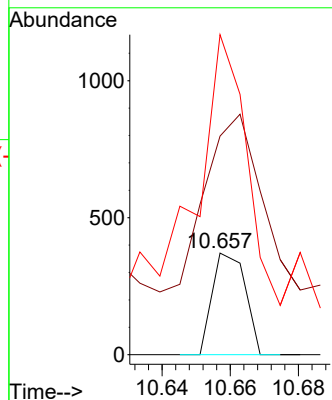
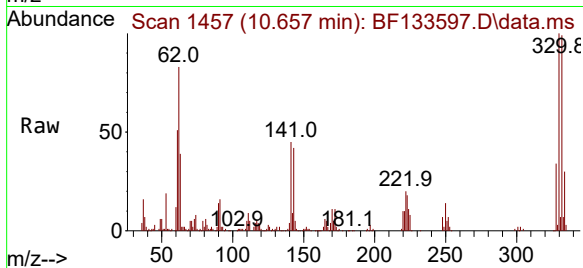




#65
4,6-Dinitro-2-methylphenol
Concen: 8.868 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.183 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

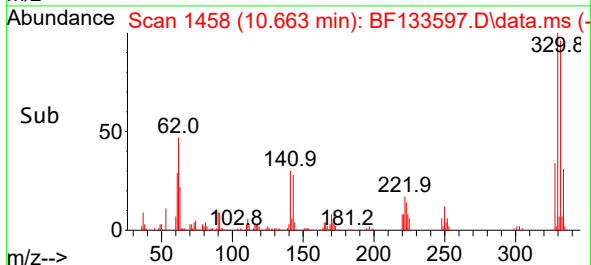
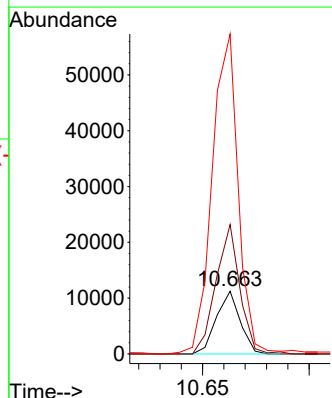
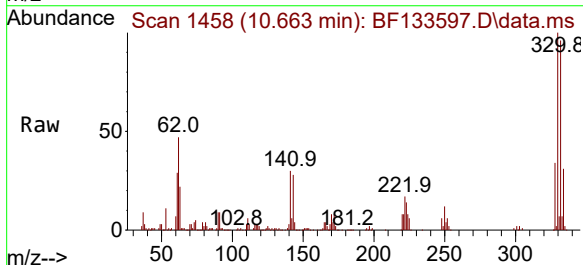
Instrument :
BNA_F
ClientSampleId :
TP-4

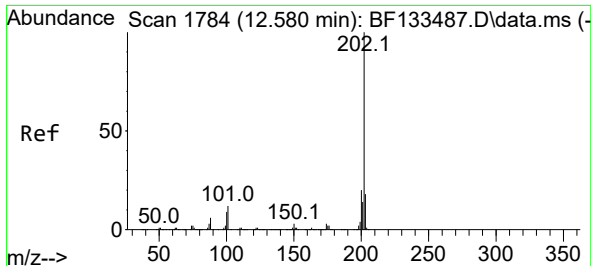
Tgt Ion:198 Resp: 249
Ion Ratio Lower Upper
198 100
51 215.1 53.6 93.6#
105 314.8 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.578 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:248 Resp: 8711
Ion Ratio Lower Upper
248 100
250 206.3 79.7 119.5#
141 509.9 66.6 100.0#

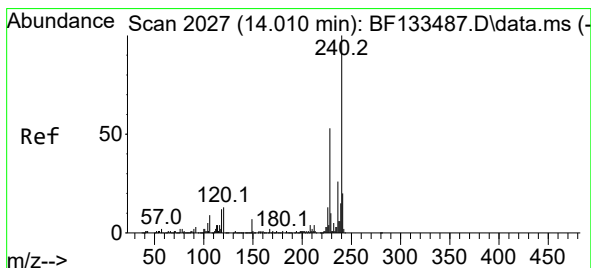
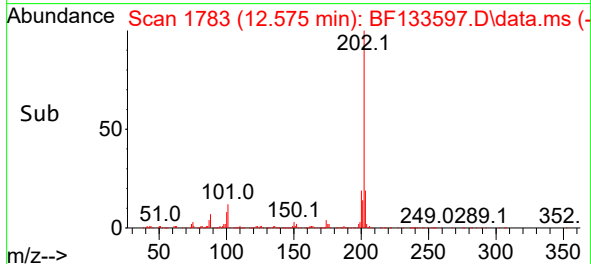
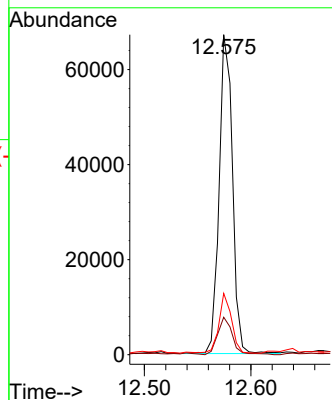
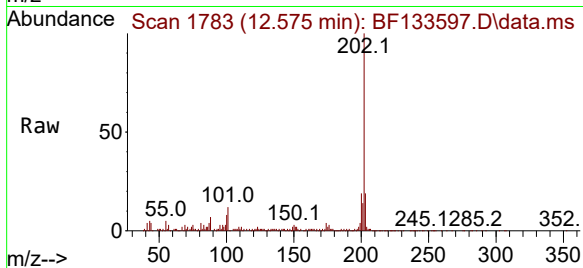




#75
Fluoranthene
Concen: 3.273 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

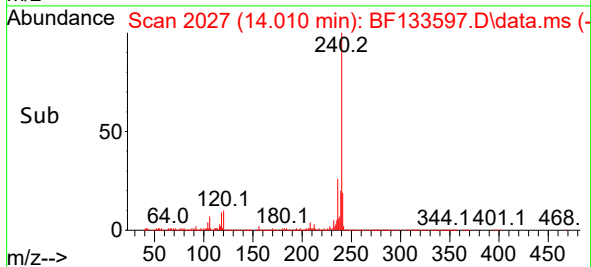
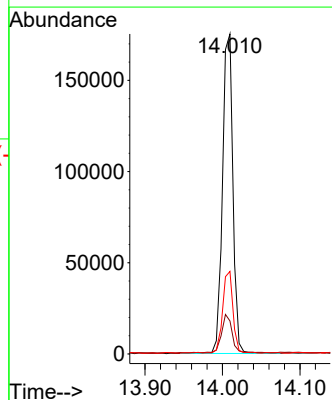
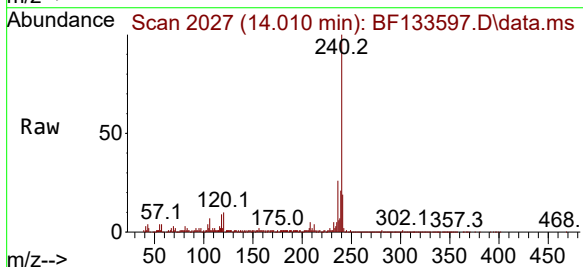
Instrument :
BNA_F
ClientSampleId :
TP-4

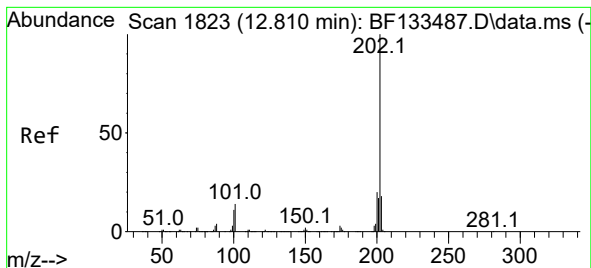
Tgt Ion:202 Resp: 58252
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.2
203 19.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Tgt Ion:240 Resp: 164454
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5#
236 25.8 20.5 30.7





#78

Pyrene

Concen: 3.323 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TP-4

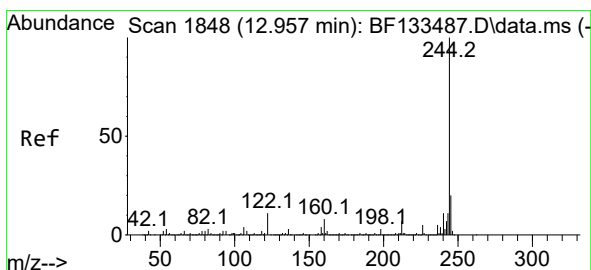
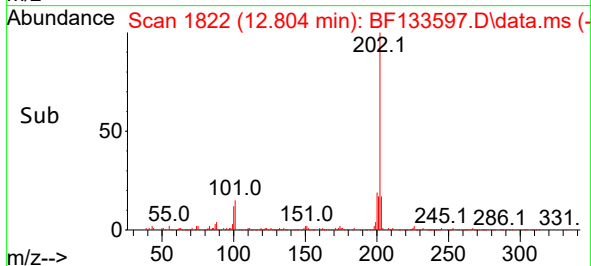
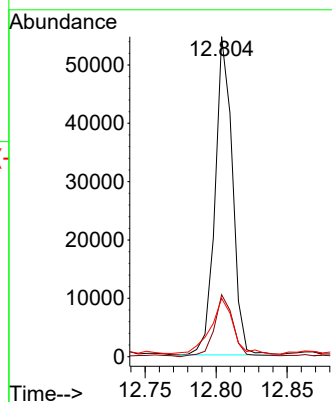
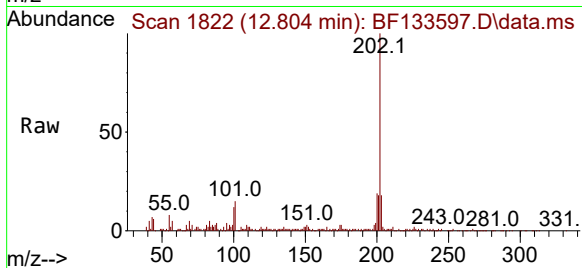
Tgt Ion:202 Resp: 46503

Ion Ratio Lower Upper

202 100

200 19.3 16.3 24.5

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 75.102 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

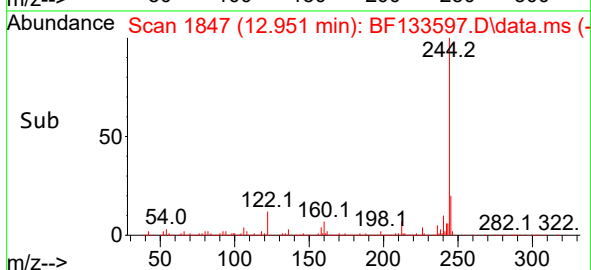
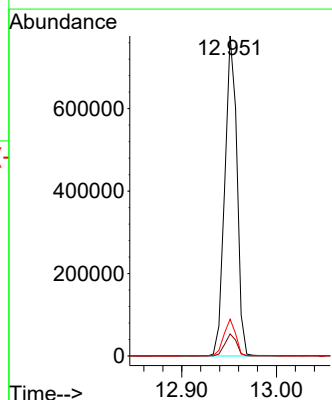
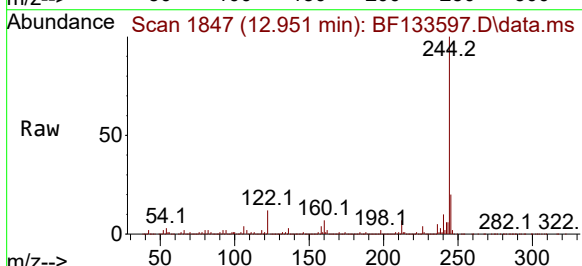
Tgt Ion:244 Resp: 694650

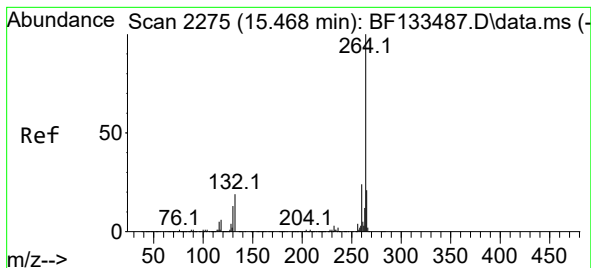
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 11.5 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TP-4

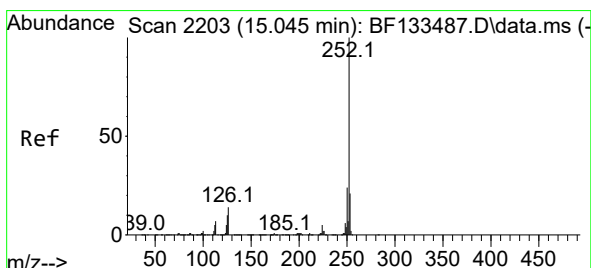
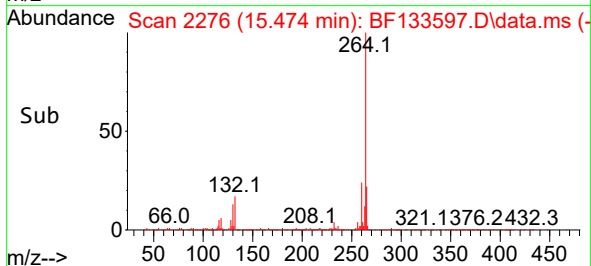
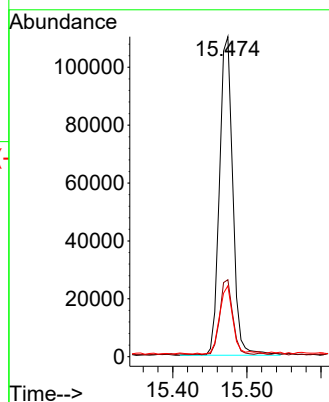
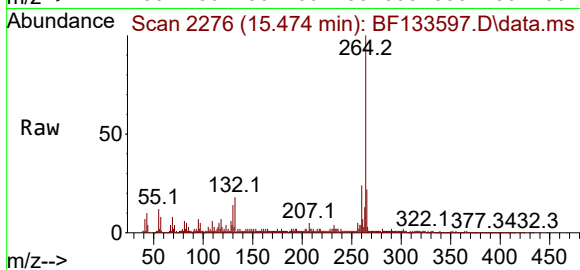
Tgt Ion:264 Resp: 137363

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 22.2 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 2.138 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF133597.D

Acq: 06 Jun 2023 18:11

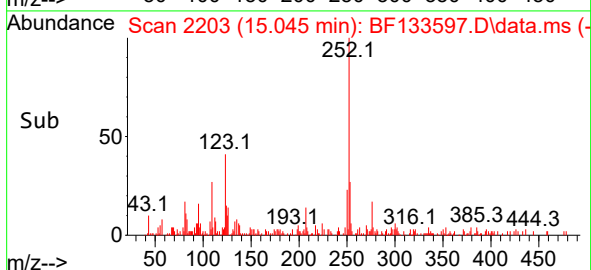
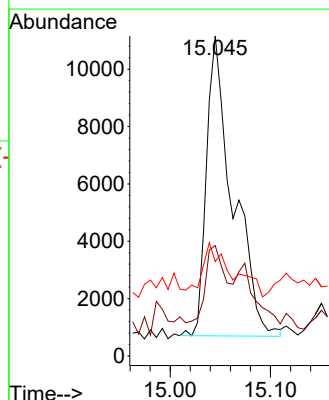
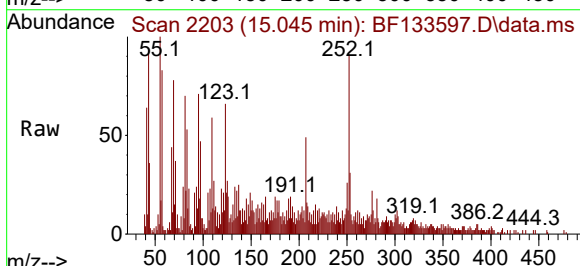
Tgt Ion:252 Resp: 19126

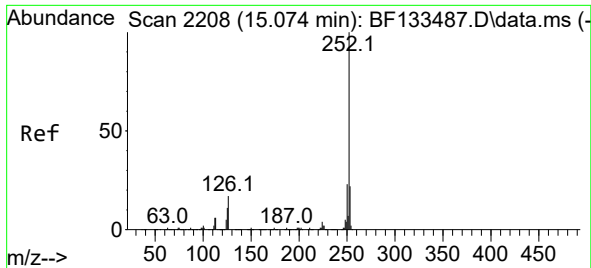
Ion Ratio Lower Upper

252 100

253 34.5 17.2 25.8#

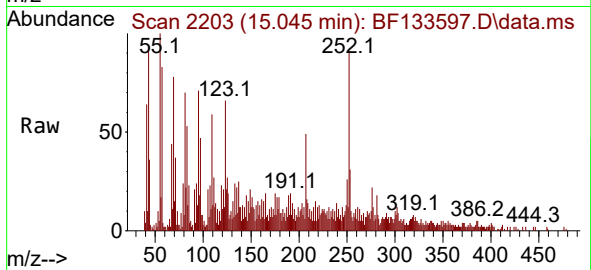
125 29.5 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.186 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133597.D
Acq: 06 Jun 2023 18:11

Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:252 Resp: 19063
Ion Ratio Lower Upper
252 100
253 34.5 17.4 26.2#
125 29.5 8.3 12.5#

