

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133506.D
 Acq On : 26 May 2023 18:58
 Operator : CG\JU
 Sample : 02955-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP05

Quant Time: May 27 01:11:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

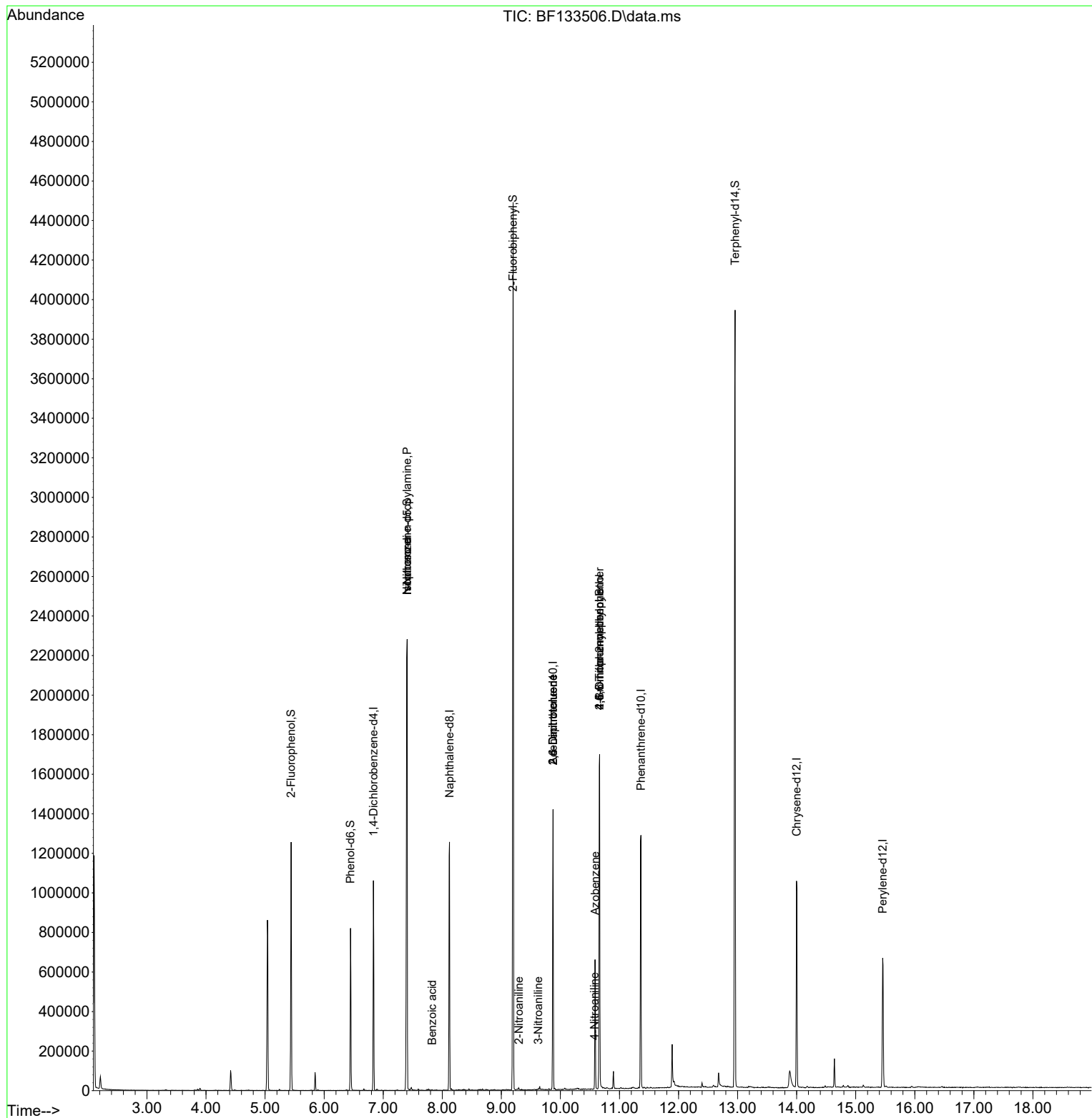
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	137648	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	537193	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	256727	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	487131	20.000	ng	0.00
76) Chrysene-d12	13.998	240	357664	20.000	ng	-0.01
86) Perylene-d12	15.457	264	291570	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	295974	35.876	ng	0.00
7) Phenol-d6	6.445	99	222922	21.950	ng	-0.02
23) Nitrobenzene-d5	7.404	82	748667	93.053	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	199425	77.928	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1323678	79.579	ng	0.00
79) Terphenyl-d14	12.957	244	1473601	73.254	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	378	Below Cal	Qvalue	# 88
19) n-Nitroso-di-n-propyla...	7.404	70	105970	16.127	ng	# 76
25) Isophorone	7.404	82	747691	39.875	ng	# 65
32) Benzoic acid	7.828	122	56	7.358	ng	# 44
48) 2-Nitroaniline	9.298	65	126	4.014	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	32102	12.322	ng	# 18
53) 3-Nitroaniline	9.622	138	61	3.193	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	32102	11.540	ng	# 15
62) 4-Nitroaniline	10.575	138	67	2.999	ng	# 19
63) Azobenzene	10.586	77	103087	5.498	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	584	8.952	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	12521	2.420	ng	# 1

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

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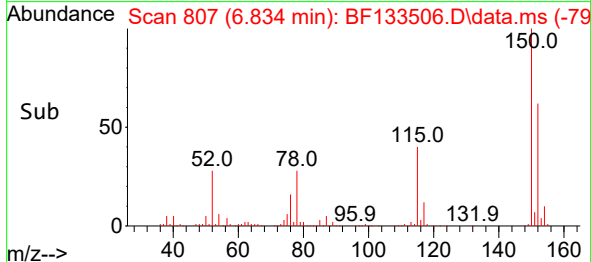
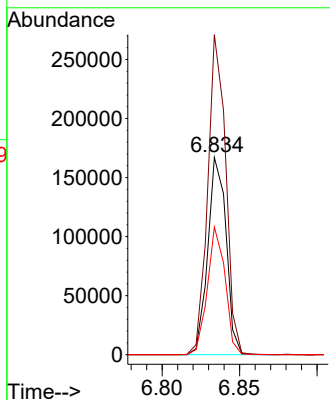
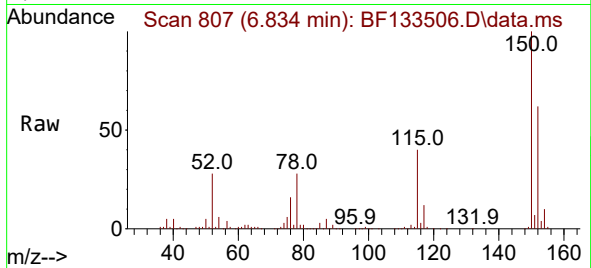




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

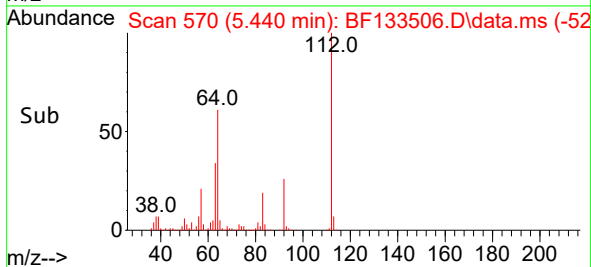
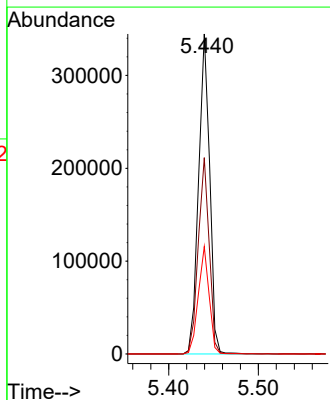
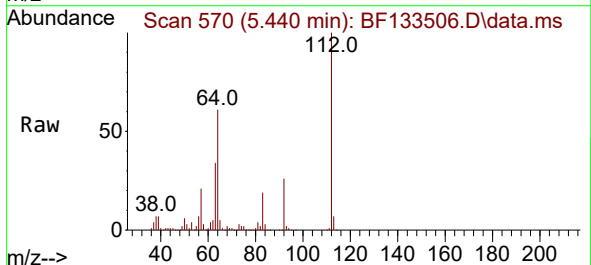
Instrument :
BNA_F
ClientSampleId :
TWP05

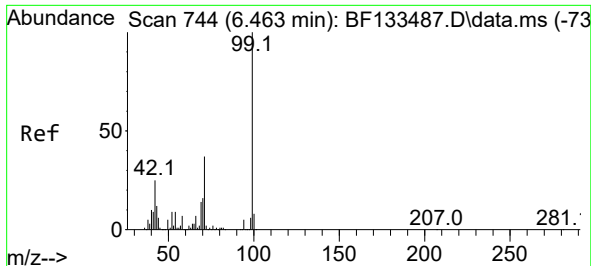
Tgt Ion:152 Resp: 137648
Ion Ratio Lower Upper
152 100
150 162.2 124.9 187.3
115 64.7 48.1 72.1



#5
2-Fluorophenol
Concen: 35.876 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion:112 Resp: 295974
Ion Ratio Lower Upper
112 100
64 61.3 50.1 75.1
63 33.5 27.5 41.3

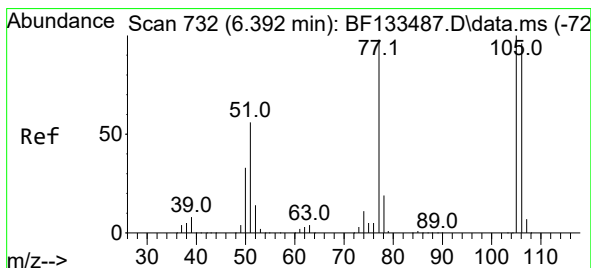
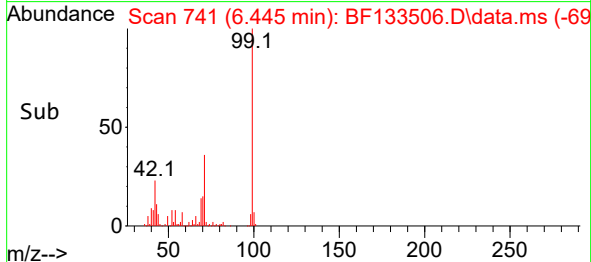
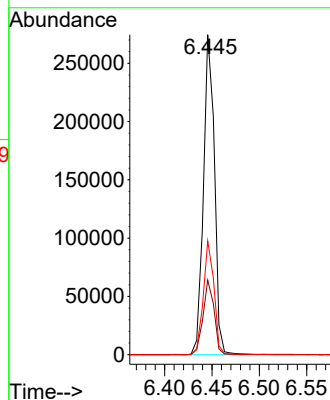
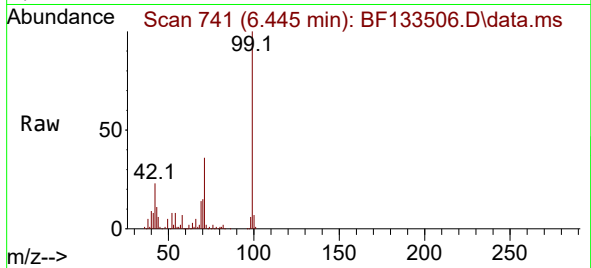




#7
Phenol-d6
Concen: 21.950 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

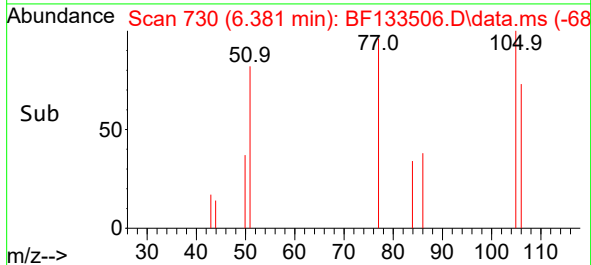
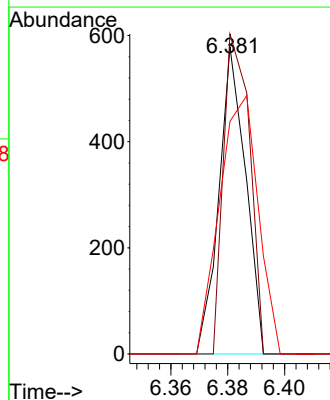
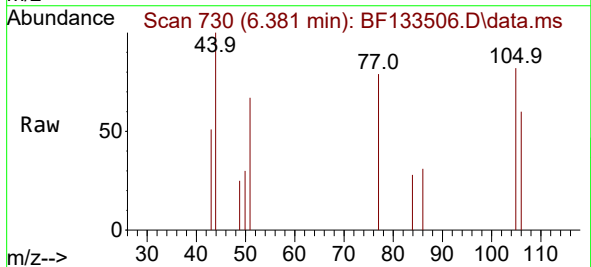
Instrument :
BNA_F
ClientSampleId :
TWP05

Tgt Ion: 99 Resp: 222922
Ion Ratio Lower Upper
99 100
42 23.3 19.7 29.5
71 35.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion: 77 Resp: 378
Ion Ratio Lower Upper
77 100
105 104.1 81.9 121.9
106 75.6 77.8 117.8#

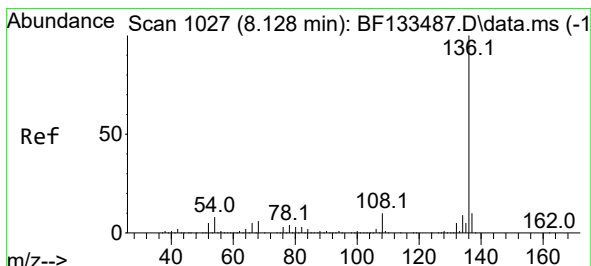
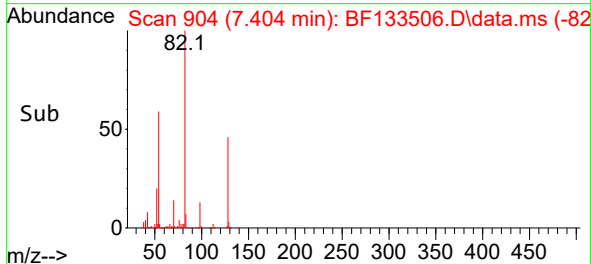
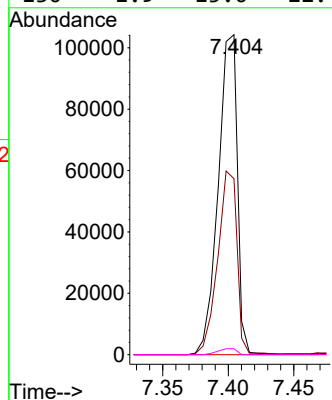
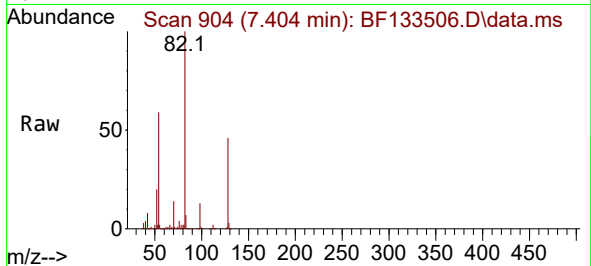




#19
n-Nitroso-di-n-propylamine
Concen: 16.127 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

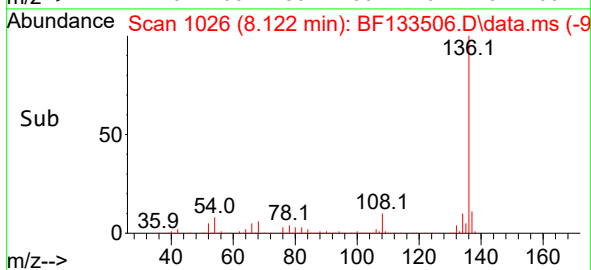
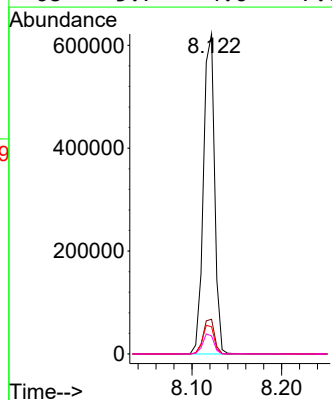
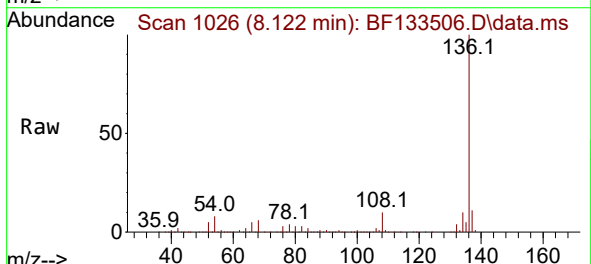
Instrument :
BNA_F
ClientSampleId :
TWP05

Tgt Ion: 70 Resp: 105970
Ion Ratio Lower Upper
70 100
42 55.0 57.2 85.8#
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion: 136 Resp: 537193
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.5 6.6 10.0
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 93.053 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF133506.D

Acq: 26 May 2023 18:58

Instrument :

BNA_F

ClientSampleId :

TWP05

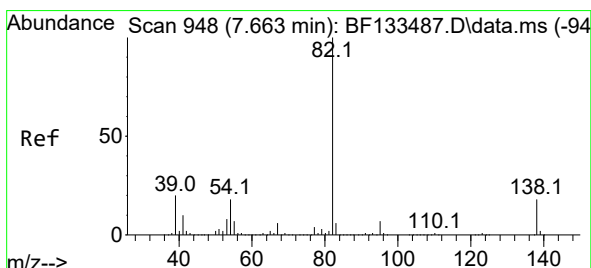
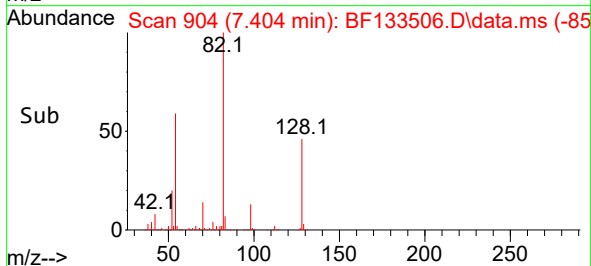
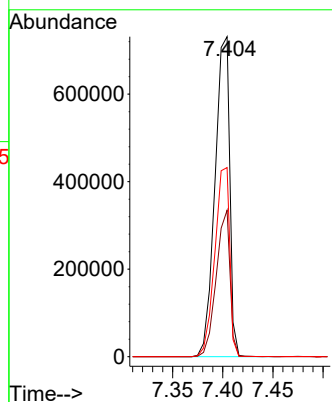
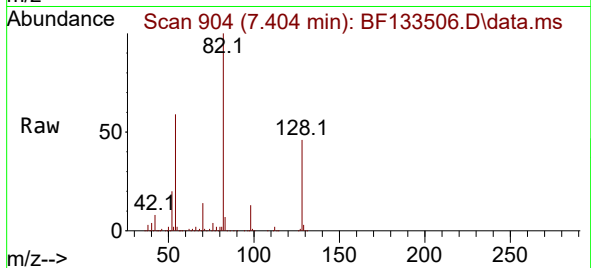
Tgt Ion: 82 Resp: 748667

Ion Ratio Lower Upper

82 100

128 45.7 34.2 51.4

54 59.1 48.2 72.4



#25

Isophorone

Concen: 39.875 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF133506.D

Acq: 26 May 2023 18:58

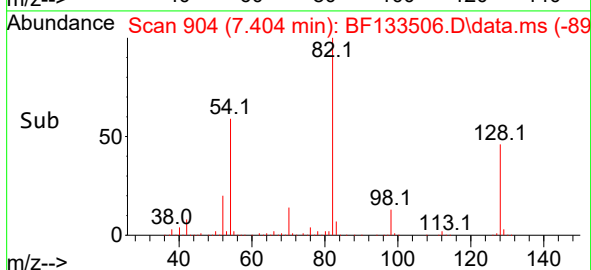
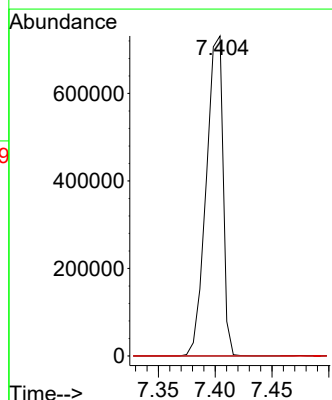
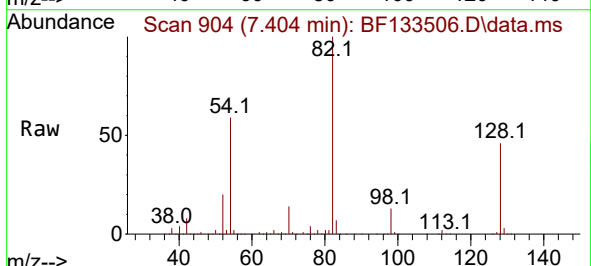
Tgt Ion: 82 Resp: 747691

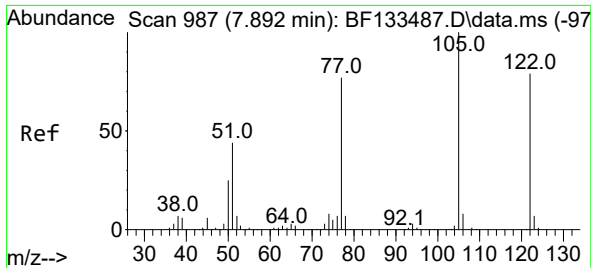
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

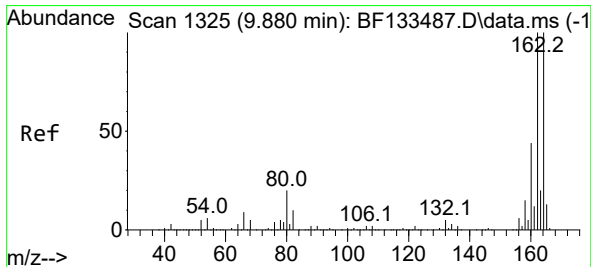
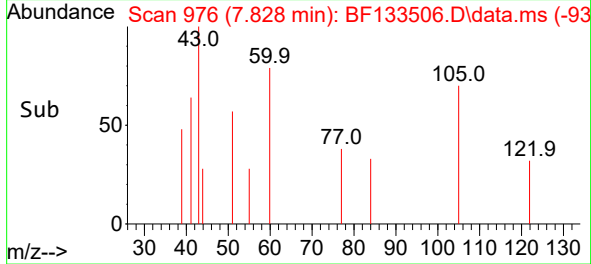
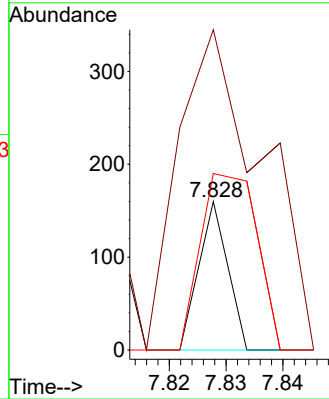
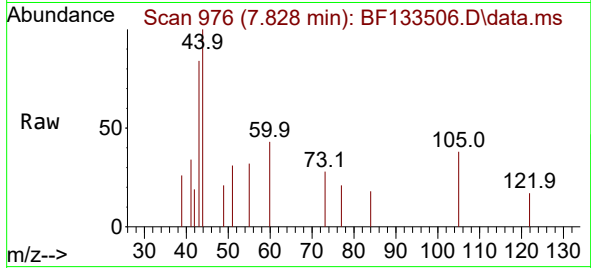




#32
Benzoic acid
Concen: 7.358 ng
RT: 7.828 min Scan# 91
Delta R.T. -0.064 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

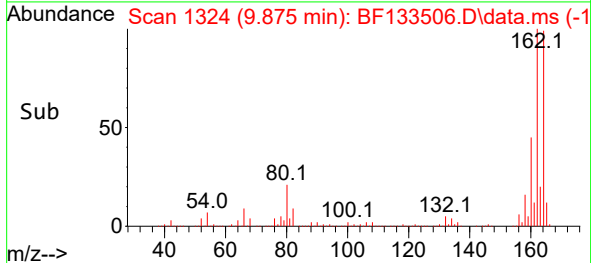
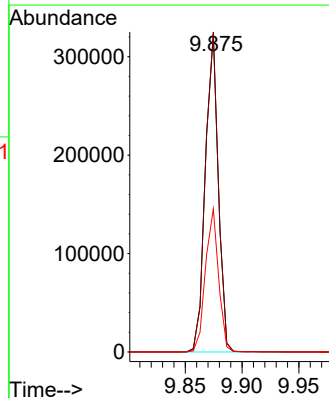
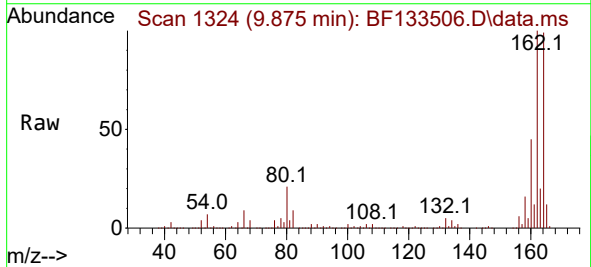
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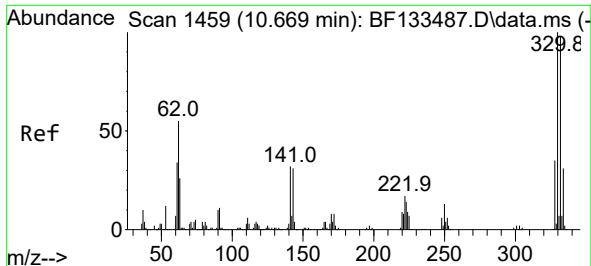
Tgt Ion:122	Resp: 56
Ion Ratio	Lower Upper
122	100
105	215.6 103.3 143.3#
77	118.8 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion:164	Resp: 256727
Ion Ratio	Lower Upper
164	100
162	100.8 79.7 119.5
160	45.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 77.928 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133506.D

Acq: 26 May 2023 18:58

Instrument :

BNA_F

ClientSampleId :

TWP05

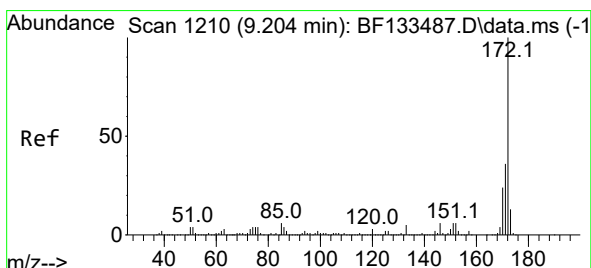
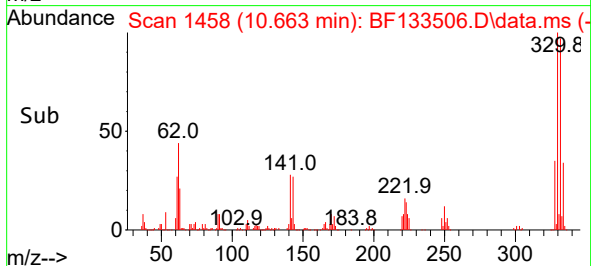
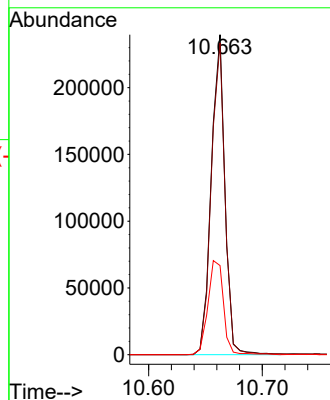
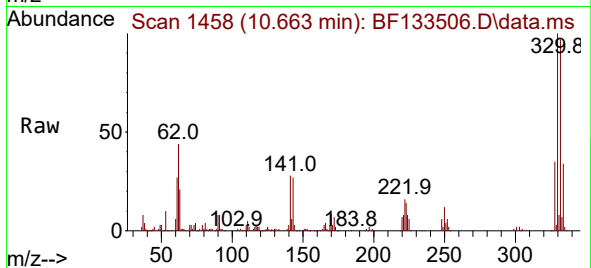
Tgt Ion:330 Resp: 199425

Ion Ratio Lower Upper

330 100

332 98.6 77.8 116.6

141 33.5 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 79.579 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133506.D

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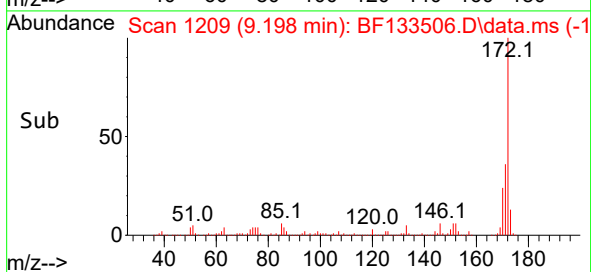
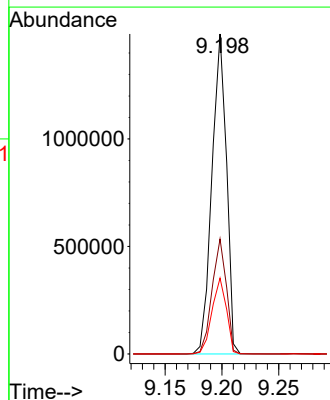
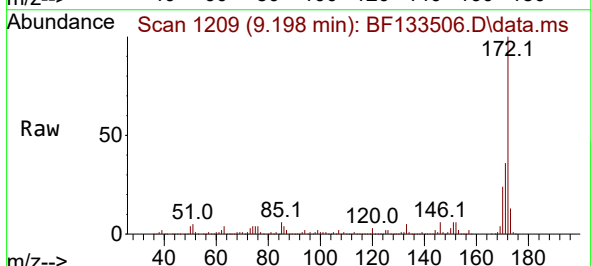
Tgt Ion:172 Resp: 1323678

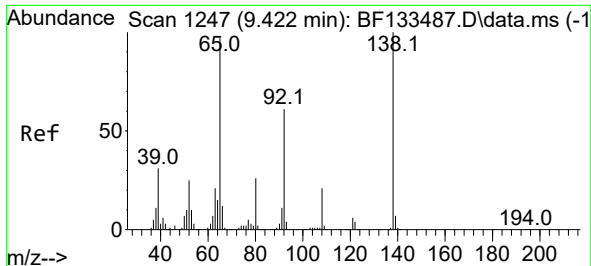
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.7 19.3 28.9

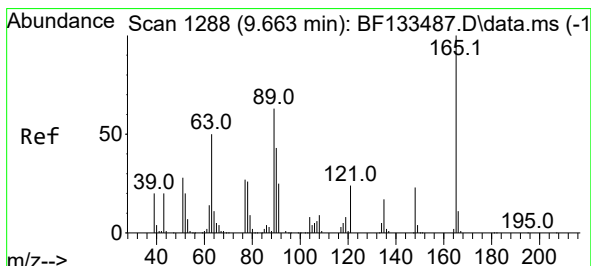
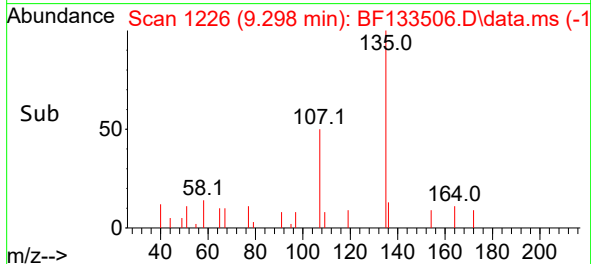
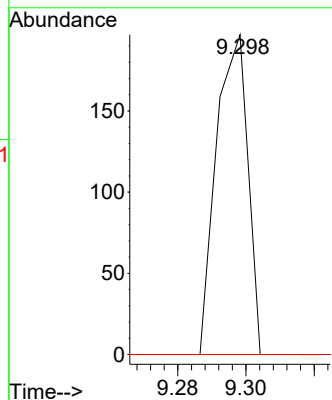
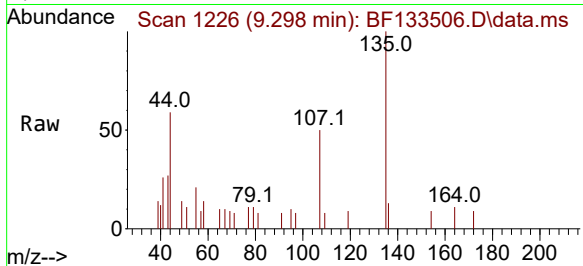




#48
2-Nitroaniline
Concen: 4.014 ng
RT: 9.298 min Scan# 11
Delta R.T. -0.124 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

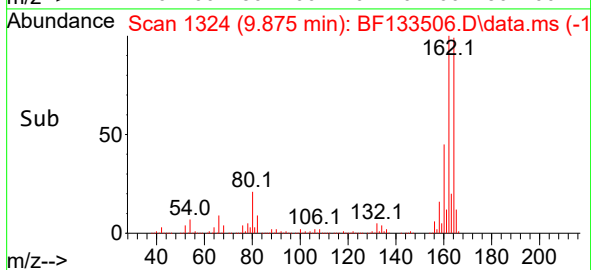
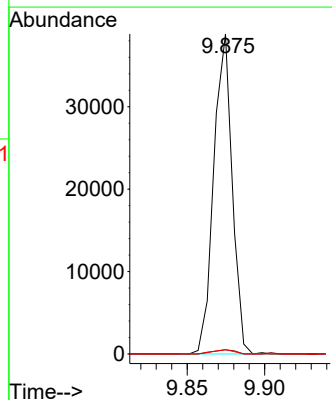
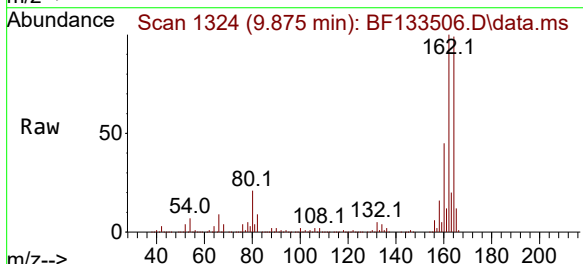
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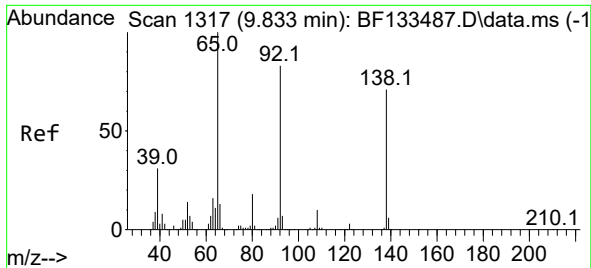
Tgt Ion: 65 Resp: 126
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.322 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion: 165 Resp: 32102
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.3 50.8 76.2#

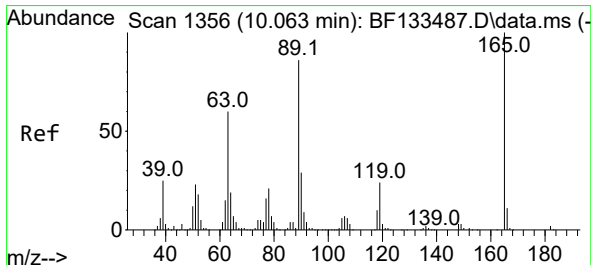
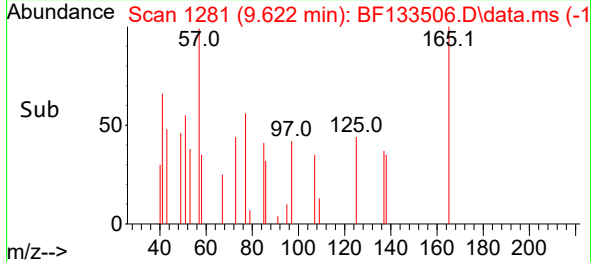
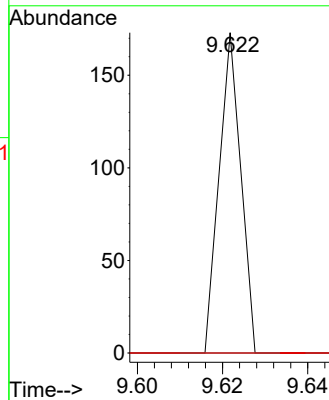
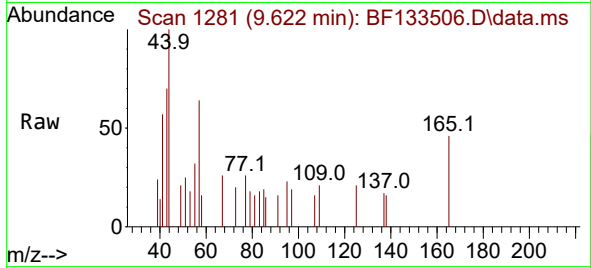




#53
3-Nitroaniline
Concen: 3.193 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

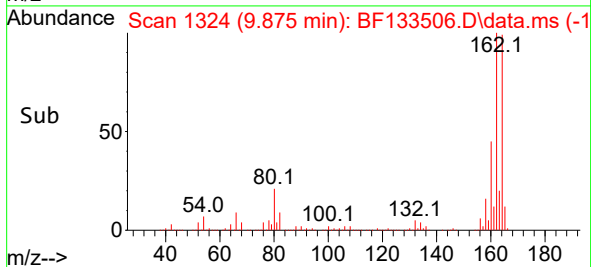
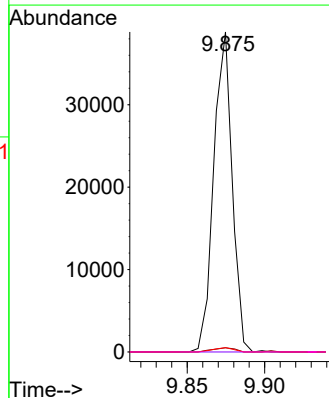
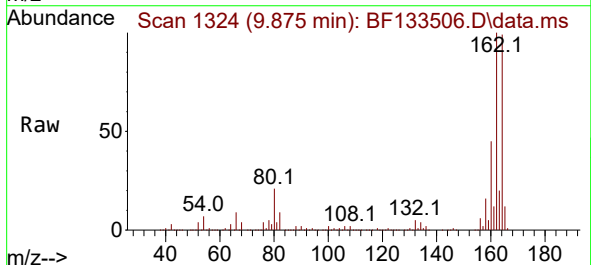
Instrument :
BNA_F
ClientSampleId :
TWP05

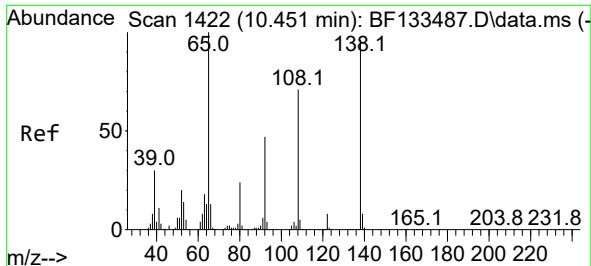
Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.540 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion:165 Resp: 32102
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#

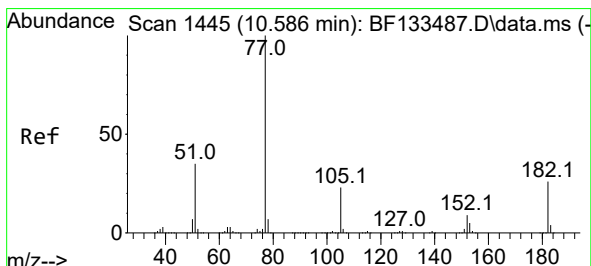
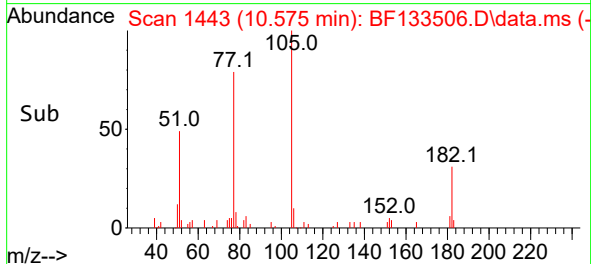
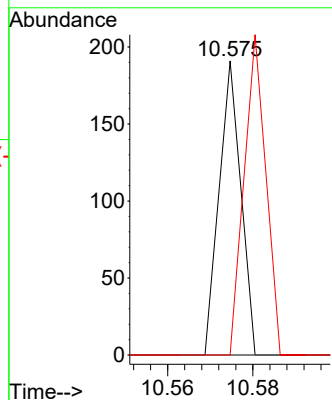
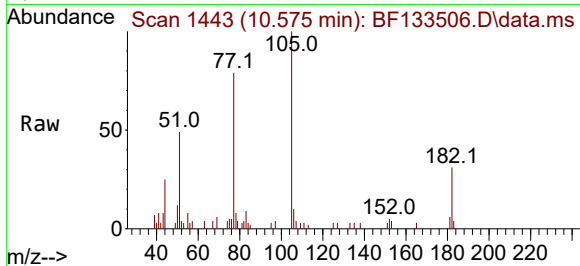




#62
4-Nitroaniline
Concen: 2.999 ng
RT: 10.575 min Scan# 1422
Delta R.T. 0.124 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

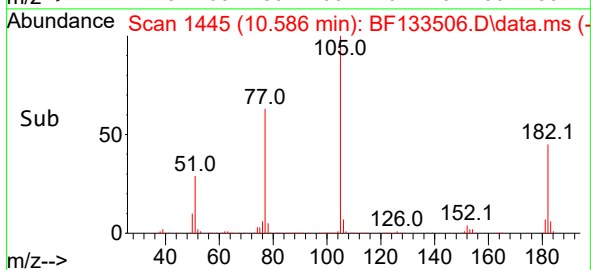
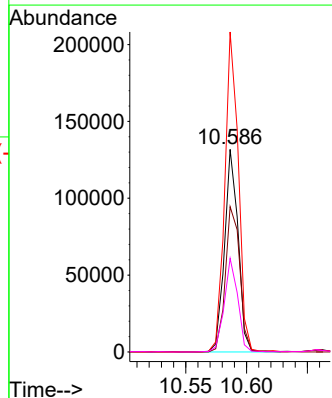
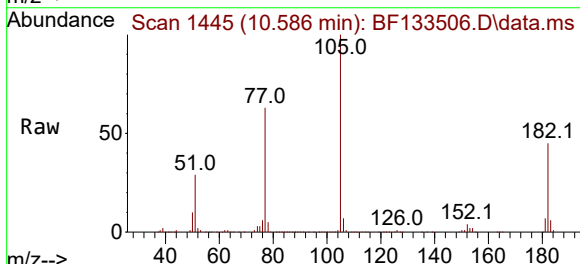
Instrument :
BNA_F
ClientSampleId :
TWP05

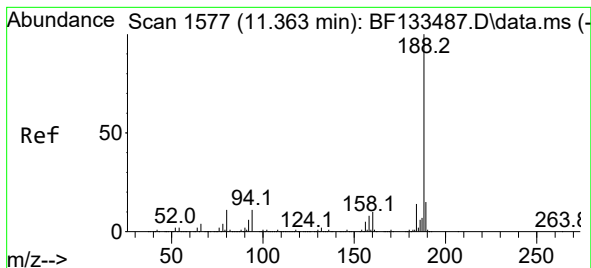
Tgt Ion:138 Resp: 67
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 5.498 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion: 77 Resp: 103087
Ion Ratio Lower Upper
77 100
182 71.7 5.6 45.6#
105 157.9 2.6 42.6#
51 46.2 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133506.D

Acq: 26 May 2023 18:58

Instrument :

BNA_F

ClientSampleId :

TWP05

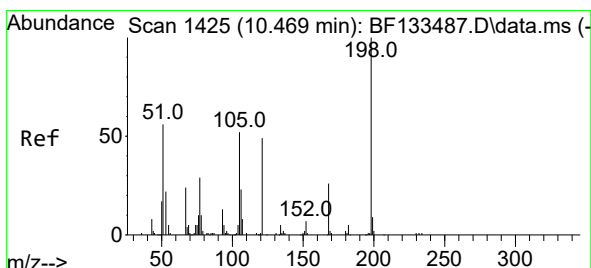
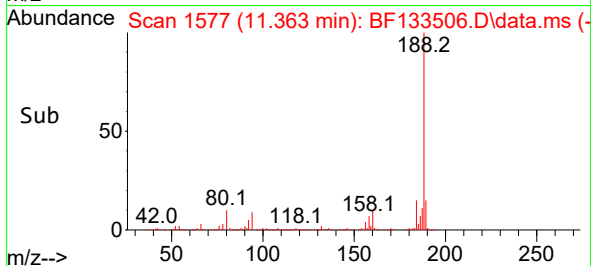
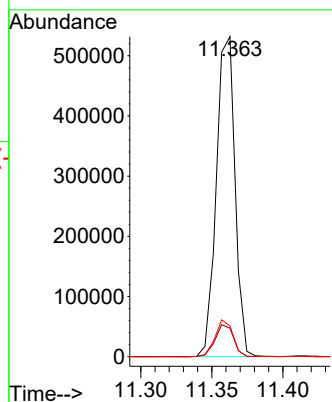
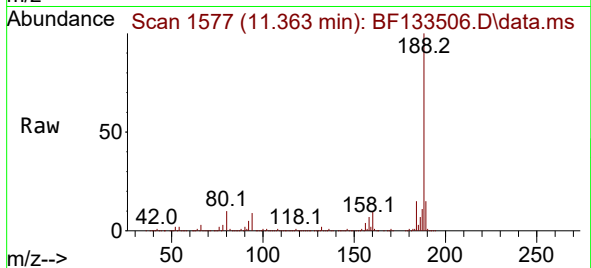
Tgt Ion:188 Resp: 487131

Ion Ratio Lower Upper

188 100

94 8.9 8.6 12.8

80 9.6 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.952 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133506.D

Acq: 26 May 2023 18:58

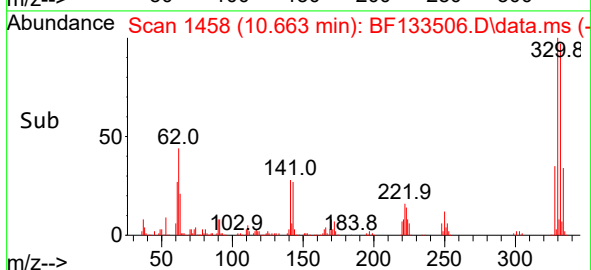
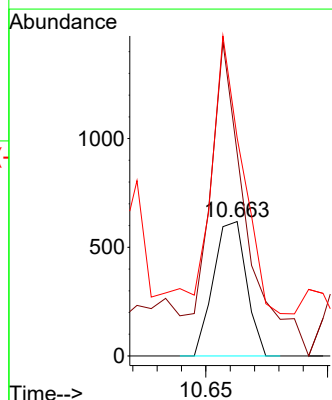
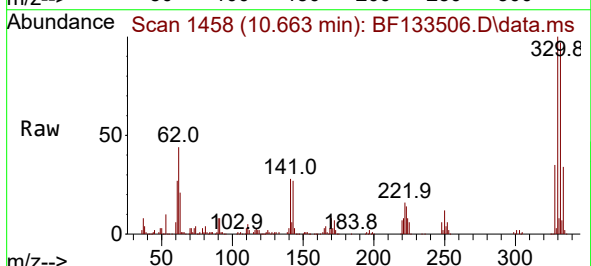
Tgt Ion:198 Resp: 584

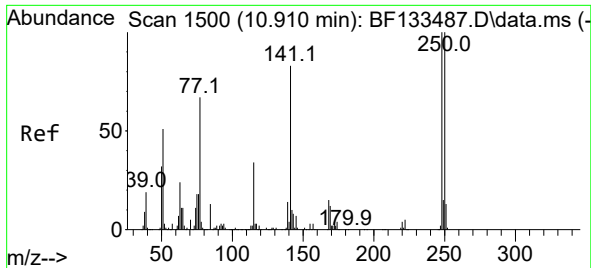
Ion Ratio Lower Upper

198 100

51 151.0 53.6 93.6#

105 162.3 35.9 75.9#

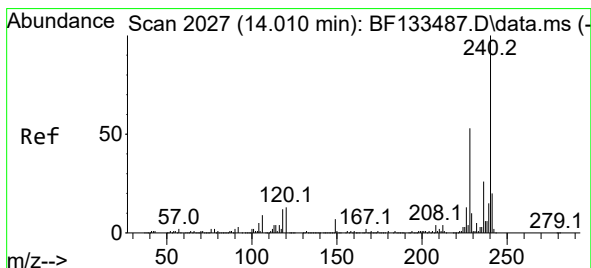
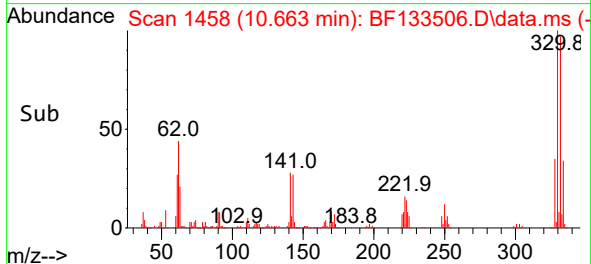
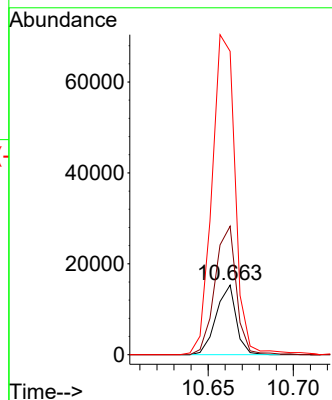
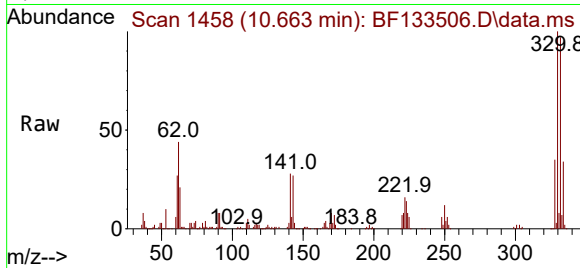




#67
4-Bromophenyl-phenylether
Concen: 2.420 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

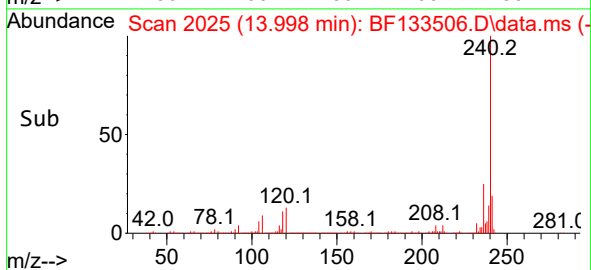
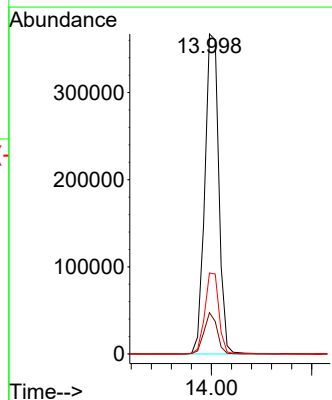
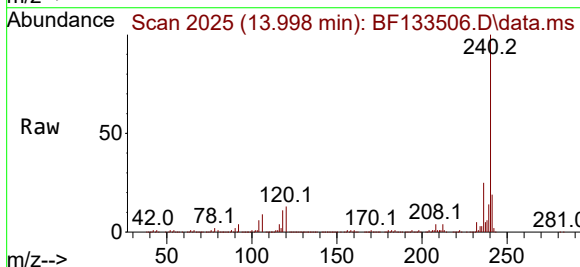
Instrument :
BNA_F
ClientSampleId :
TWP05

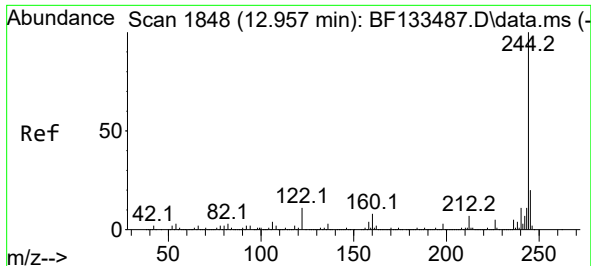
Tgt Ion:248 Resp: 12521
Ion Ratio Lower Upper
248 100
250 184.7 79.7 119.5#
141 435.8 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF133506.D
Acq: 26 May 2023 18:58

Tgt Ion:240 Resp: 357664
Ion Ratio Lower Upper
240 100
120 12.9 10.3 15.5
236 25.3 20.5 30.7

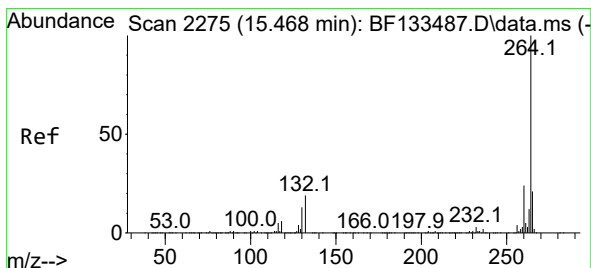
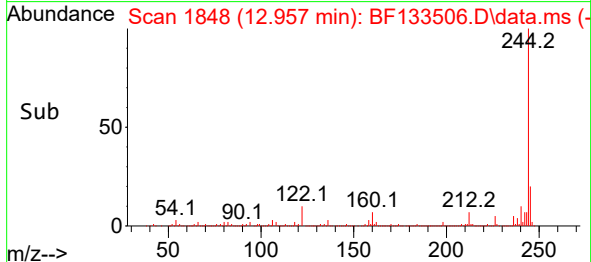
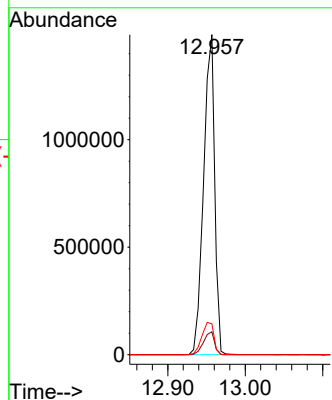
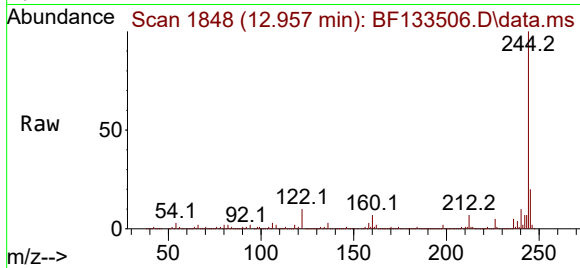




#79
 Terphenyl-d14
 Concen: 73.254 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133506.D
 Acq: 26 May 2023 18:58

Instrument :
 BNA_F
 ClientSampleId :
 TWP05

Tgt Ion:244 Resp: 1473601
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.7 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.012 min
 Lab File: BF133506.D
 Acq: 26 May 2023 18:58

Tgt Ion:264 Resp: 291570
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 22.1 16.8 25.2

