

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133513.D
 Acq On : 26 May 2023 22:41
 Operator : CG\JU
 Sample : 02908-08RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC13

Quant Time: May 27 01:13:01 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)

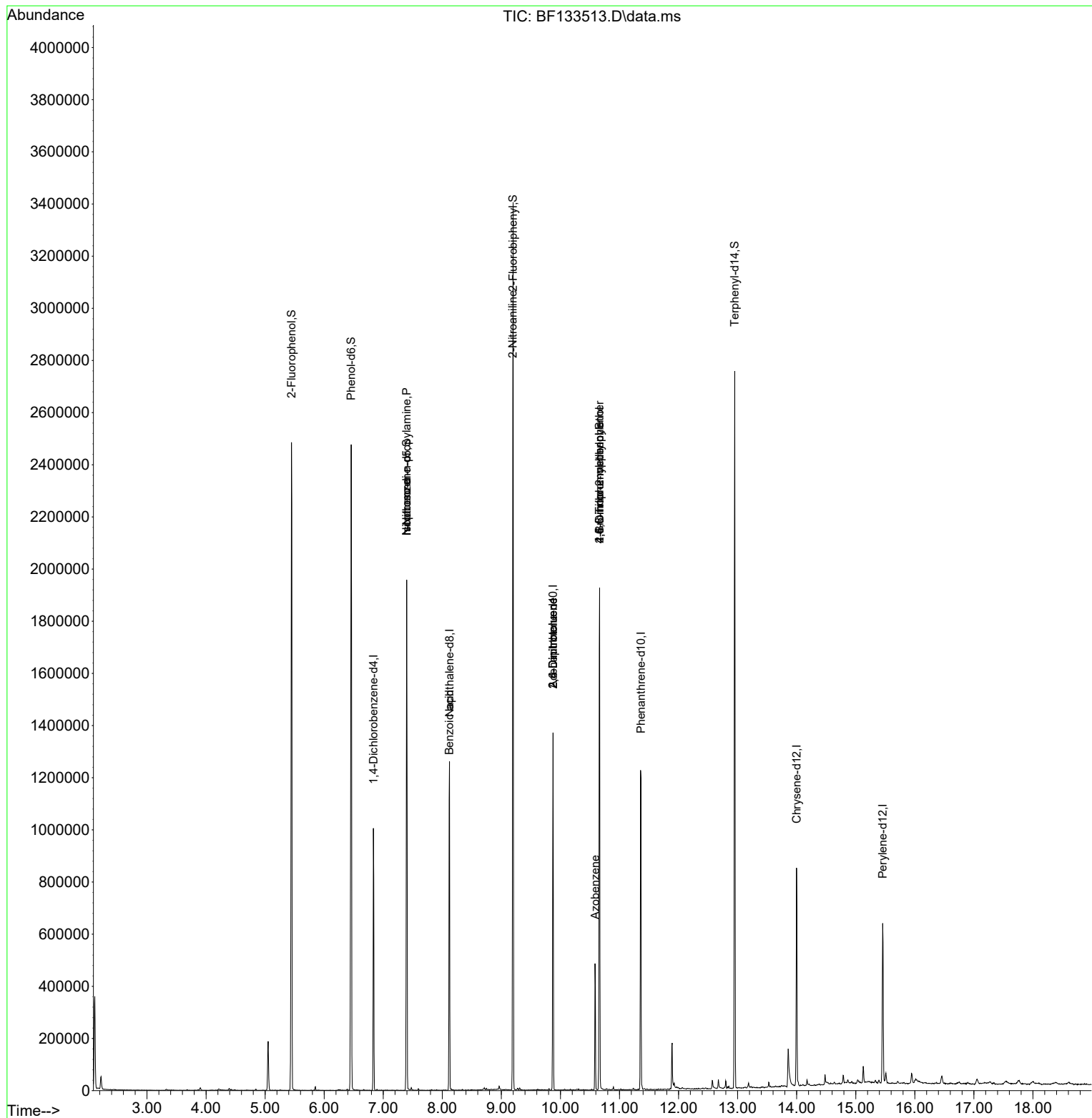
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	137618	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	518741	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	245328	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	460264	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	259553	20.000	ng	-0.01
86) Perylene-d12	15.457	264	264457	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	703785	85.326	ng	0.00
7) Phenol-d6	6.457	99	860613	84.759	ng	0.00
23) Nitrobenzene-d5	7.398	82	538947	69.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	219840	89.897	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	953868	60.011	ng	0.00
79) Terphenyl-d14	12.951	244	906411	62.091	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.387	77	66	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.398	70	74360	11.319	ng	# 79
25) Isophorone	7.398	82	538940	29.764	ng	# 65
32) Benzoic acid	8.116	122	135	7.372	ng	# 1
48) 2-Nitroaniline	9.192	65	1591	4.305	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	31878	12.660	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	31878	11.806	ng	# 15
63) Azobenzene	10.586	77	78803	4.398	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	379	8.876	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	13964	2.857	ng	# 1

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

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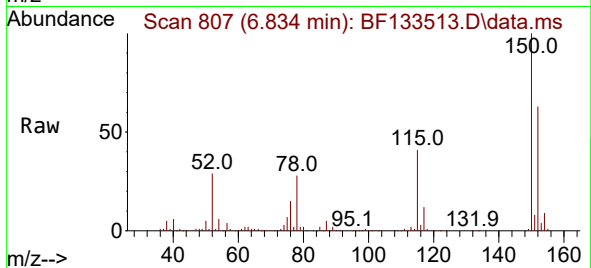
Quant Time: May 27 01:13:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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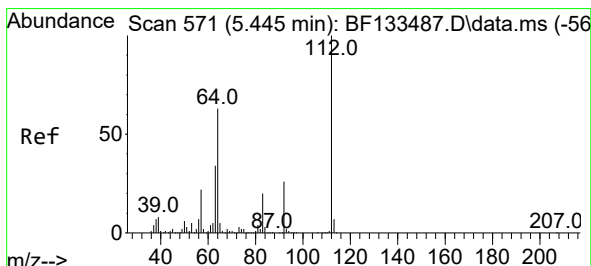
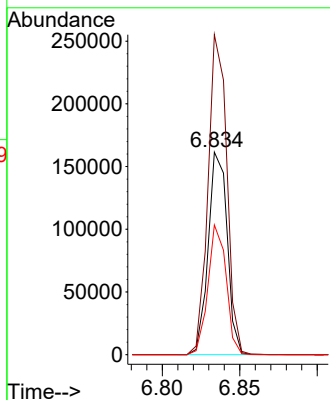
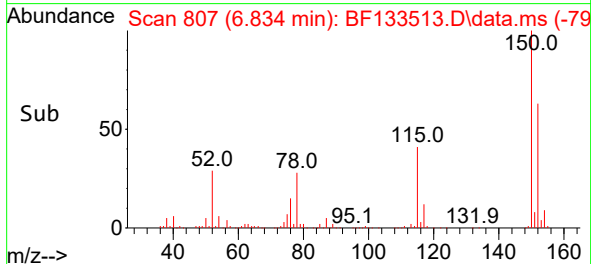


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

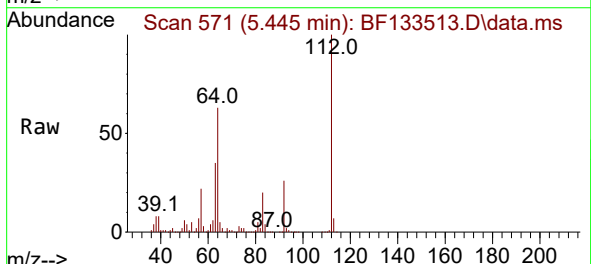
Instrument :
BNA_F
ClientSampleId :
WC13



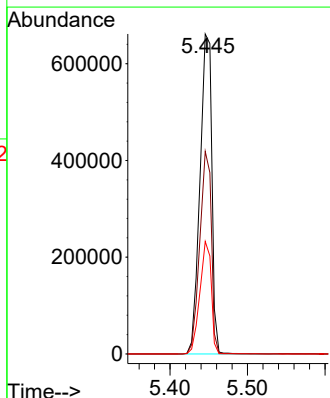
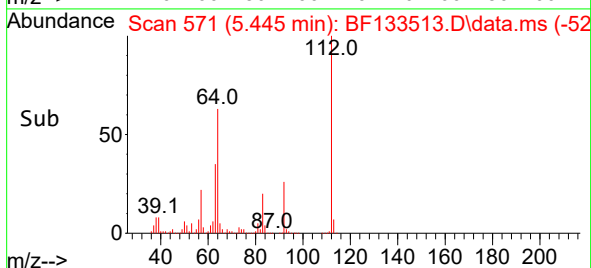
Tgt Ion:152 Resp: 137618
Ion Ratio Lower Upper
152 100
150 158.0 124.9 187.3
115 64.0 48.1 72.1

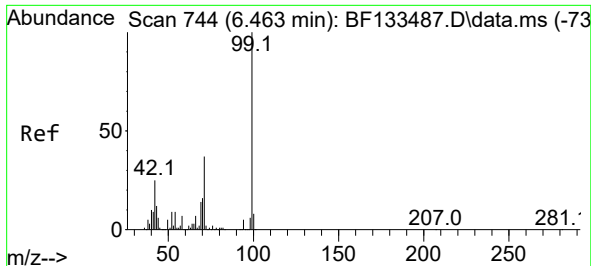


#5
2-Fluorophenol
Concen: 85.326 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41



Tgt Ion:112 Resp: 703785
Ion Ratio Lower Upper
112 100
64 63.3 50.1 75.1
63 35.2 27.5 41.3

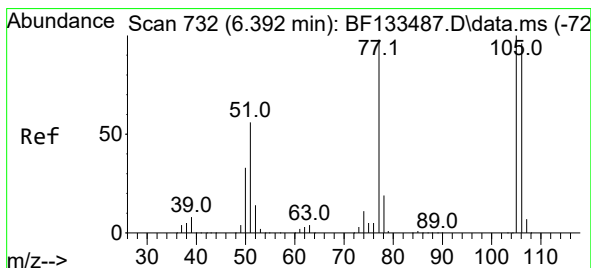
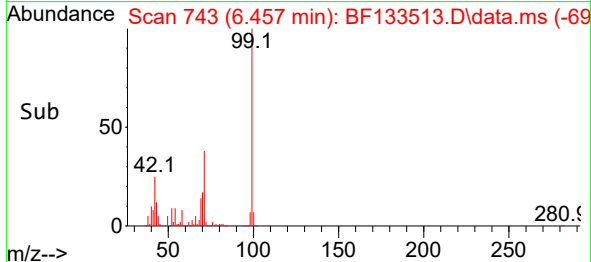
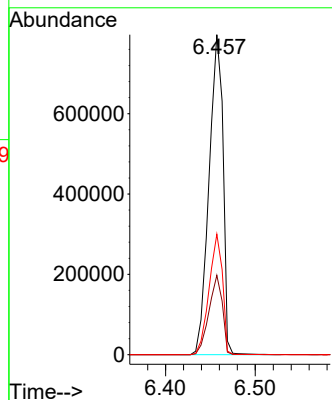
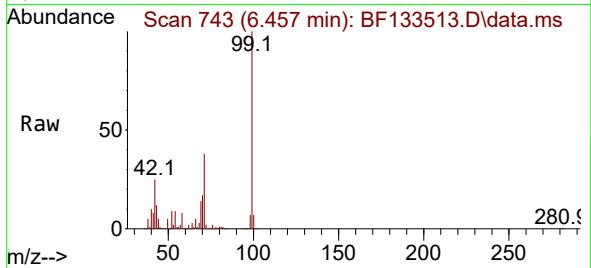




#7
Phenol-d6
Concen: 84.759 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

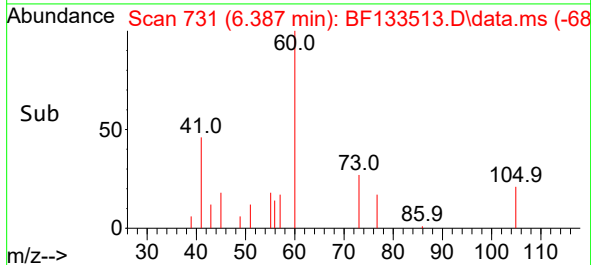
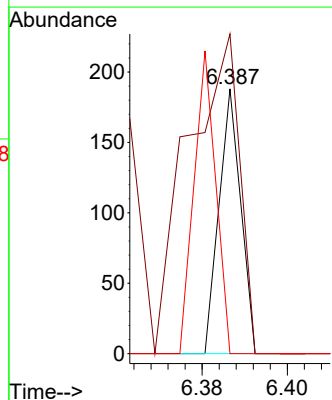
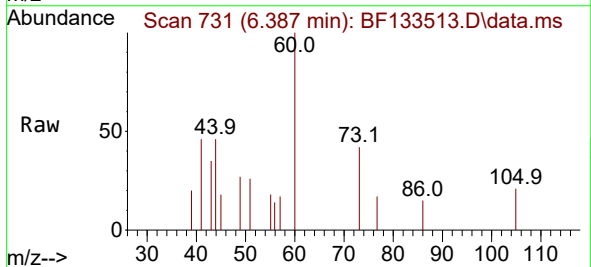
Instrument :
BNA_F
ClientSampleId :
WC13

Tgt Ion: 99 Resp: 860613
Ion Ratio Lower Upper
99 100
42 24.8 19.7 29.5
71 37.7 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.005 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

Tgt Ion: 77 Resp: 66
Ion Ratio Lower Upper
77 100
105 120.7 81.9 121.9
106 0.0 77.8 117.8#

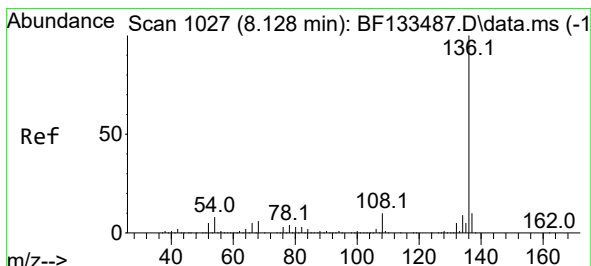
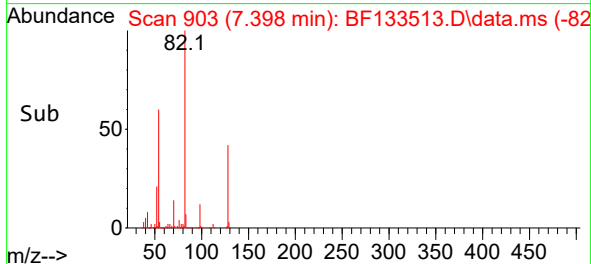
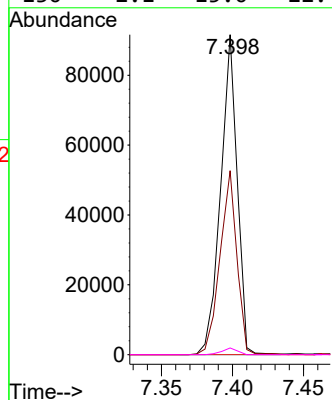
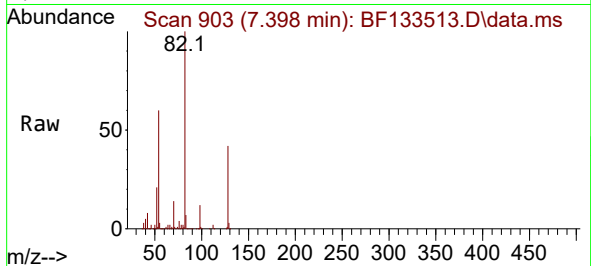




#19
n-Nitroso-di-n-propylamine
Concen: 11.319 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

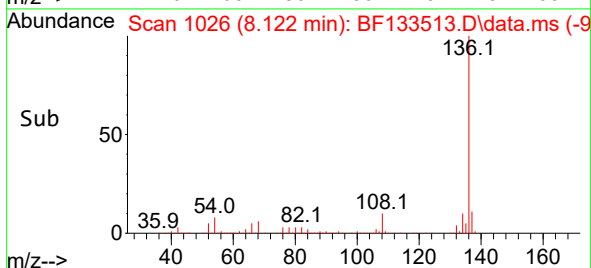
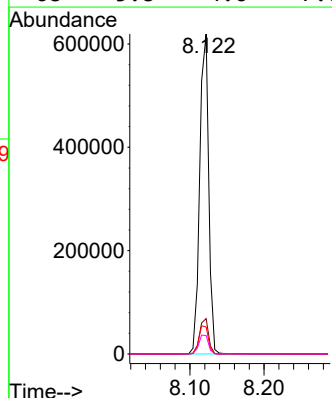
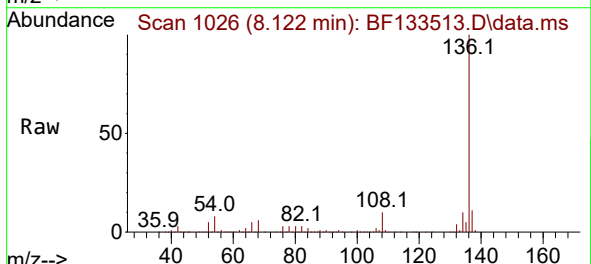
Instrument :
BNA_F
ClientSampleId :
WC13

Tgt Ion: 70 Resp: 74360
Ion Ratio Lower Upper
70 100
42 57.5 57.2 85.8
101 0.0 7.3 10.9#
130 2.1 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

Tgt Ion: 136 Resp: 518741
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 8.5 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 69.369 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

Instrument :

BNA_F

ClientSampleId :

WC13

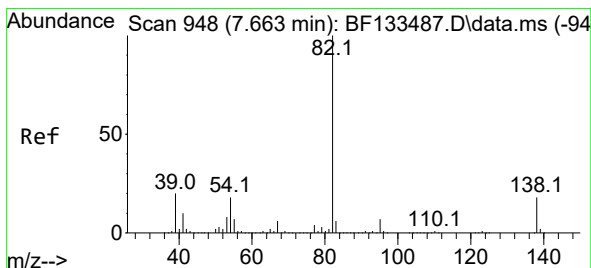
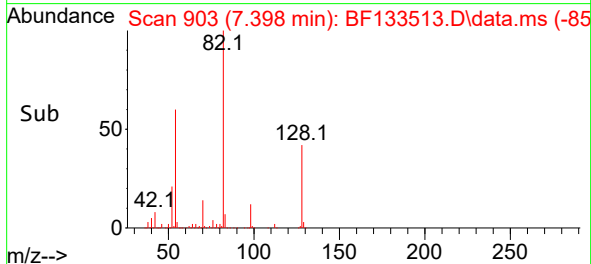
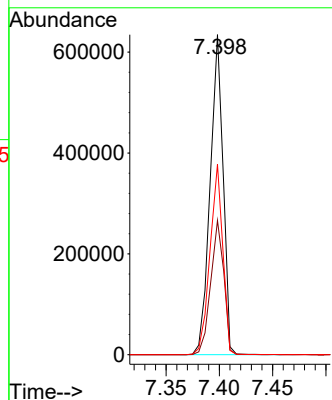
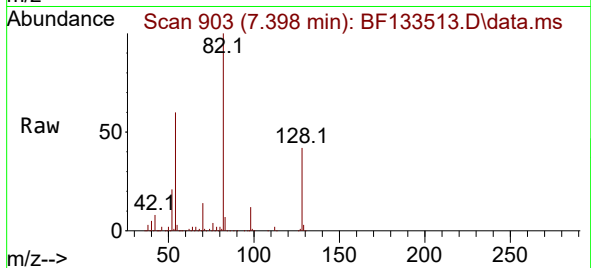
Tgt Ion: 82 Resp: 538947

Ion Ratio Lower Upper

82 100

128 42.0 34.2 51.4

54 59.5 48.2 72.4



#25

Isophorone

Concen: 29.764 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

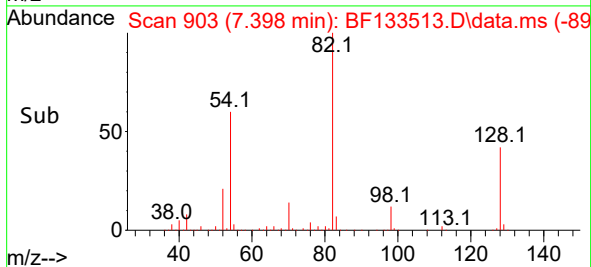
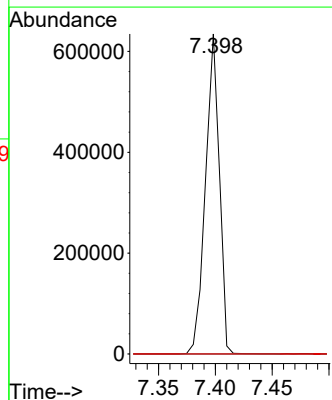
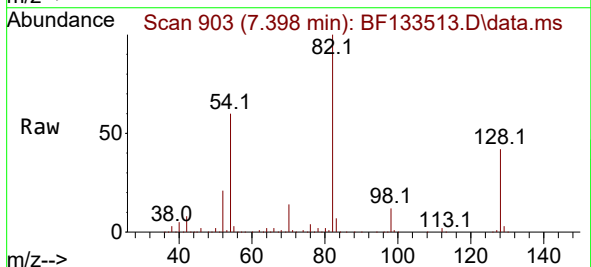
Tgt Ion: 82 Resp: 538940

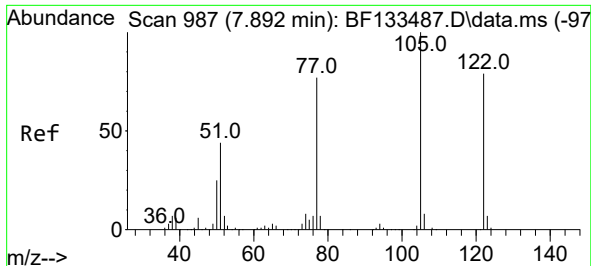
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

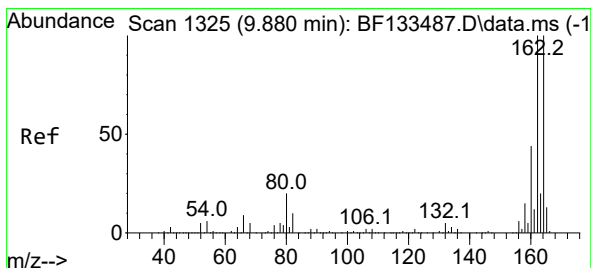
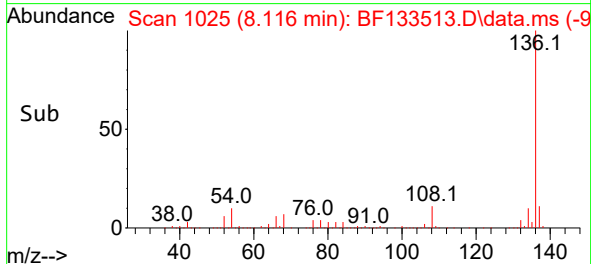
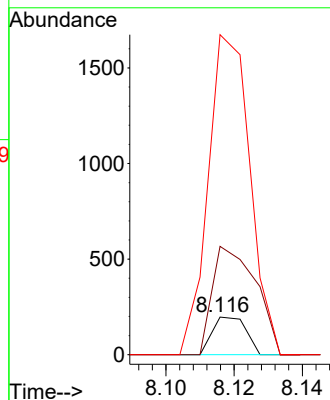
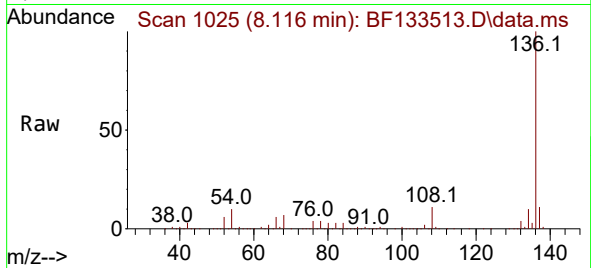




#32
Benzoic acid
Concen: 7.372 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.224 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

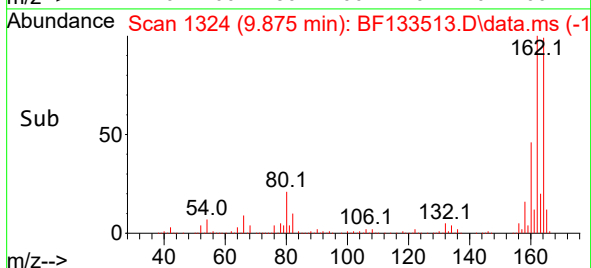
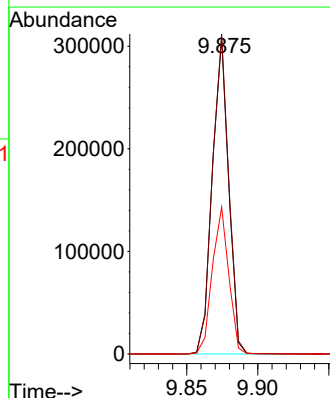
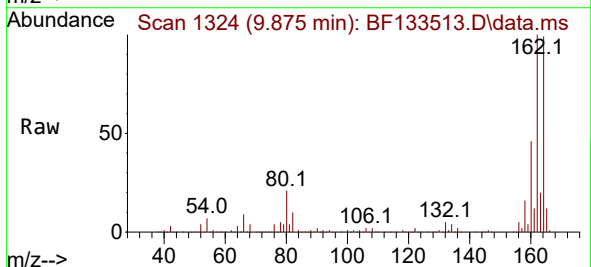
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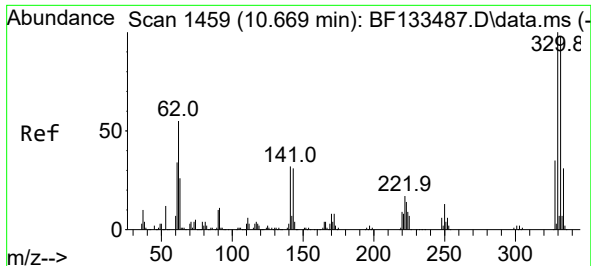
Tgt Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 287.8 103.3 143.3#
77 849.7 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

Tgt Ion:164 Resp: 245328
Ion Ratio Lower Upper
164 100
162 101.2 79.7 119.5
160 46.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 89.897 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

Instrument :

BNA_F

ClientSampleId :

WC13

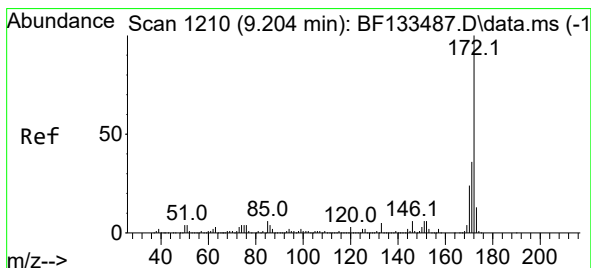
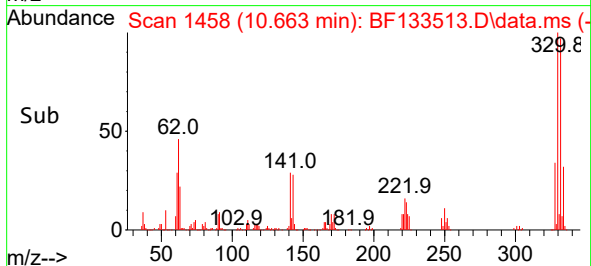
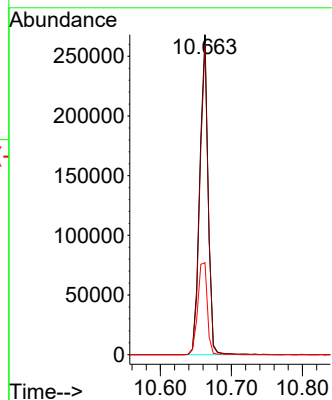
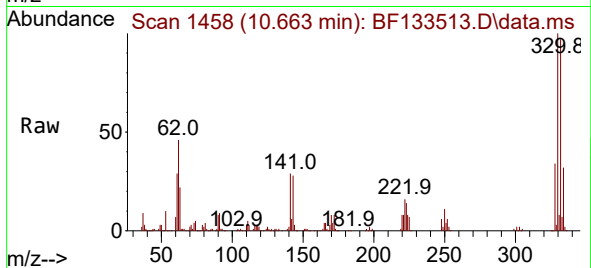
Tgt Ion:330 Resp: 219840

Ion Ratio Lower Upper

330 100

332 95.5 77.8 116.6

141 32.9 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 60.011 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

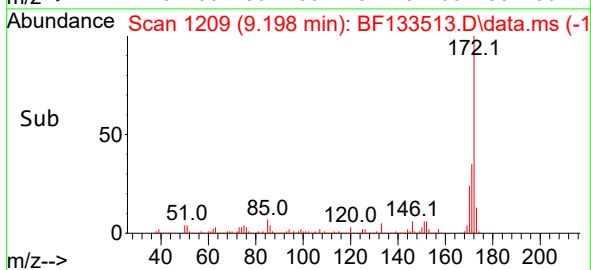
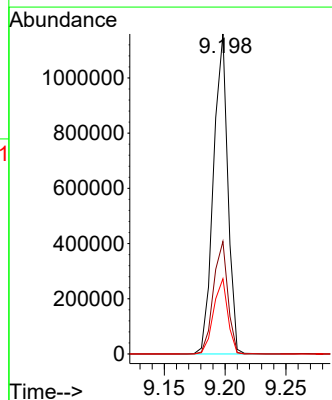
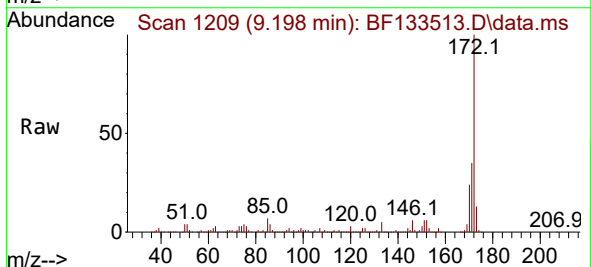
Tgt Ion:172 Resp: 953868

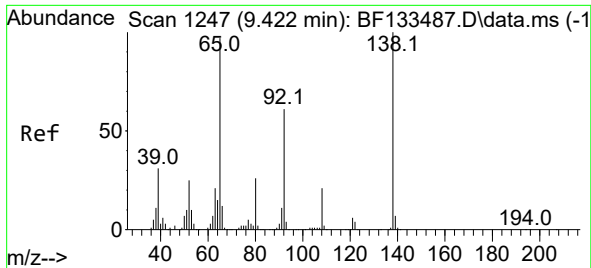
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.5 19.3 28.9

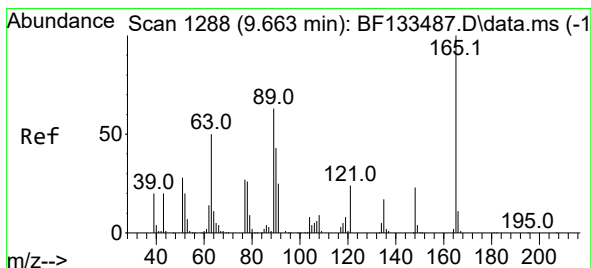
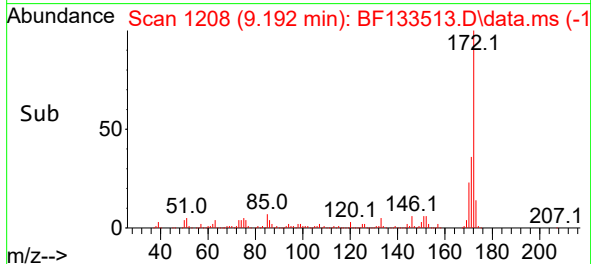
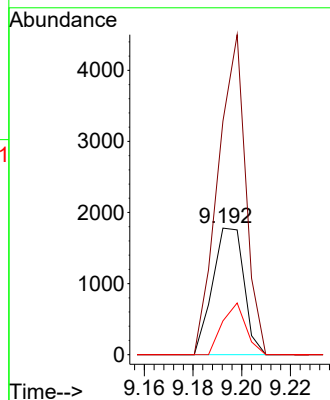
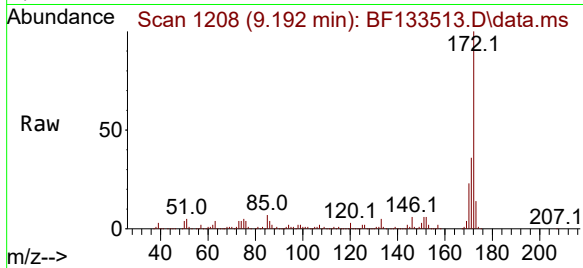




#48
2-Nitroaniline
Concen: 4.305 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

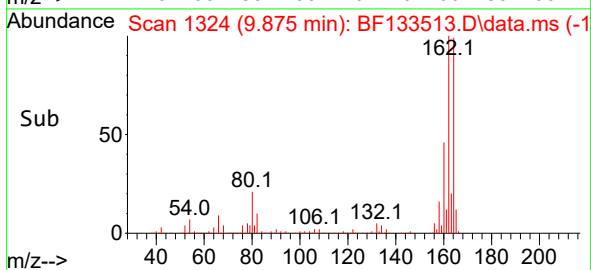
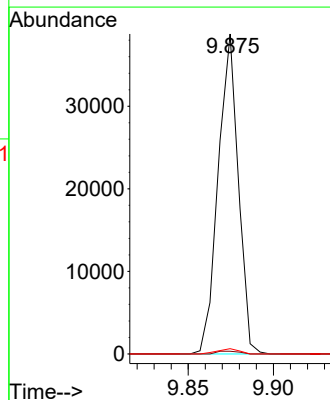
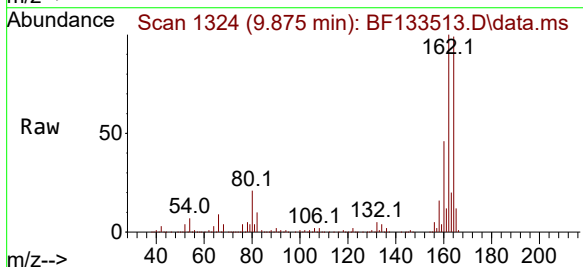
Instrument :
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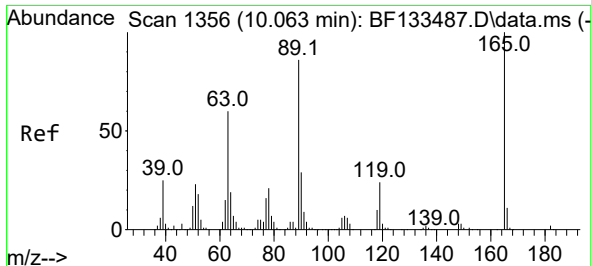
Tgt Ion: 65 Resp: 1591
Ion Ratio Lower Upper
65 100
92 184.4 50.8 76.2#
138 26.7 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.660 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

Tgt Ion:165 Resp: 31878
Ion Ratio Lower Upper
165 100
63 0.8 57.0 85.4#
89 1.7 50.8 76.2#

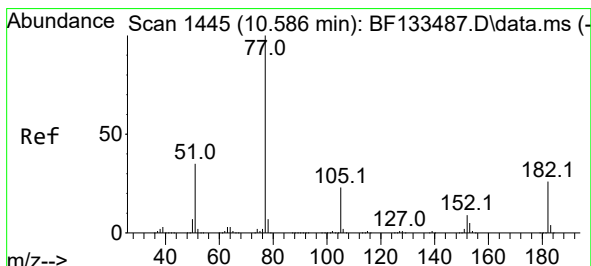
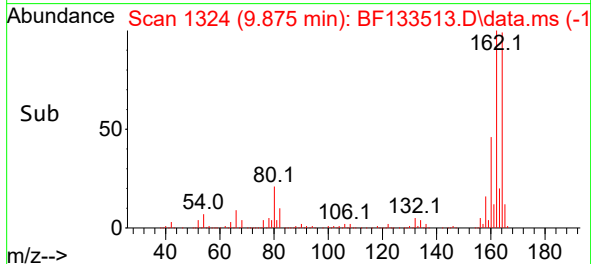
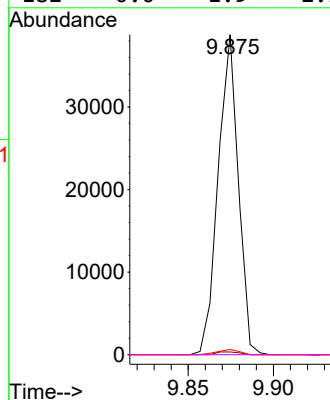
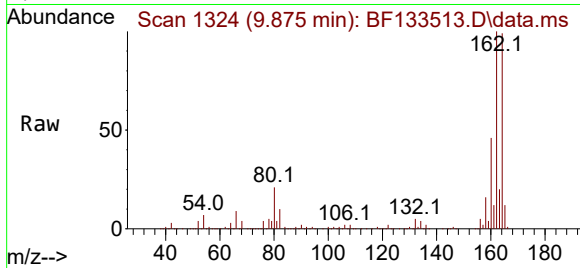




#57
2,4-Dinitrotoluene
Concen: 11.806 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

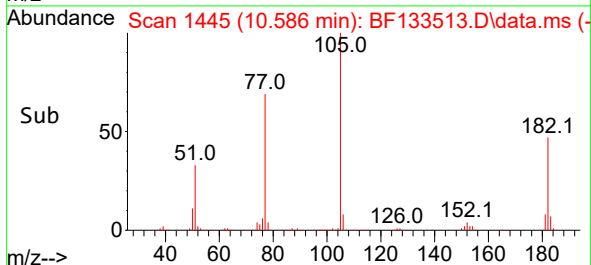
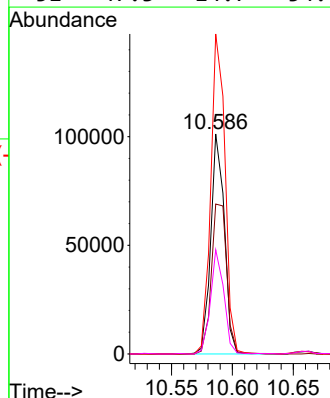
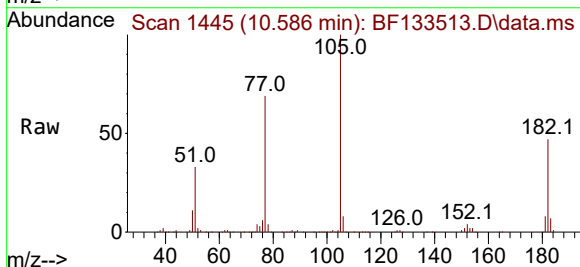
Instrument :
BNA_F
ClientSampleId :
WC13

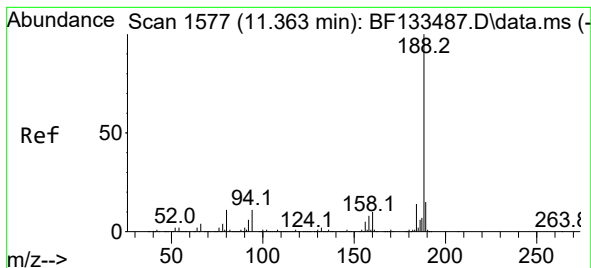
Tgt Ion:165 Resp: 31878
Ion Ratio Lower Upper
165 100
63 0.8 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 4.398 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133513.D
Acq: 26 May 2023 22:41

Tgt Ion: 77 Resp: 78803
Ion Ratio Lower Upper
77 100
182 68.2 5.6 45.6#
105 145.4 2.6 42.6#
51 47.3 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: BF133513.D

Acq: 26 May 2023 22:41

Instrument :

BNA_F

ClientSampleId :

WC13

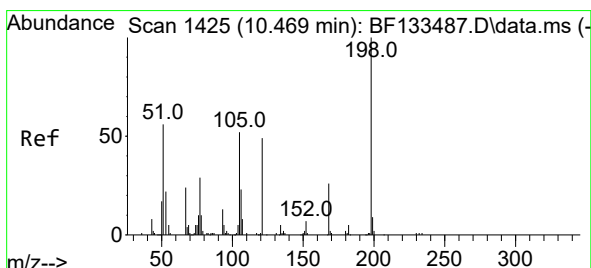
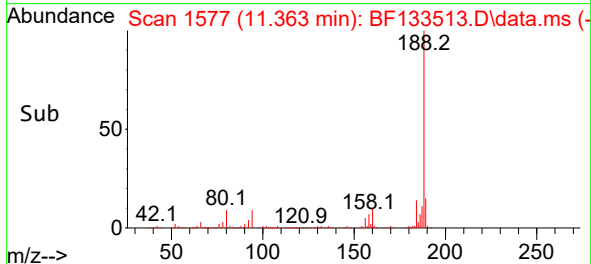
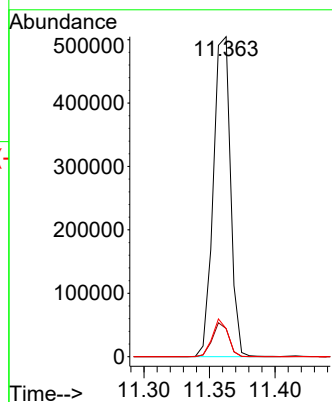
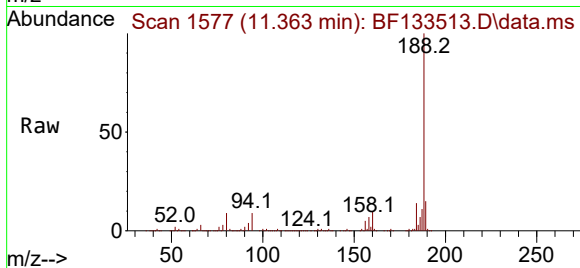
Tgt Ion:188 Resp: 460264

Ion Ratio Lower Upper

188 100

94 8.8 8.6 12.8

80 8.8 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.876 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

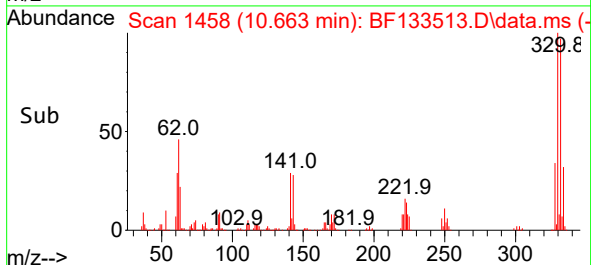
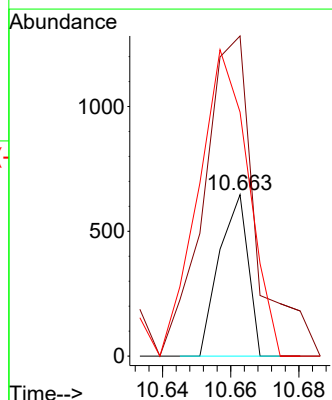
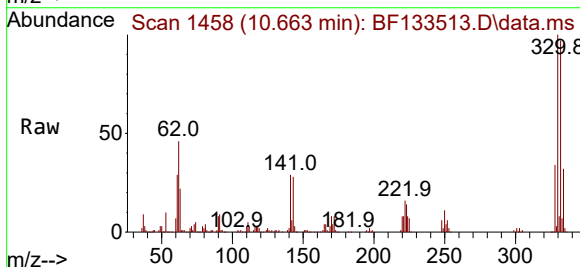
Tgt Ion:198 Resp: 379

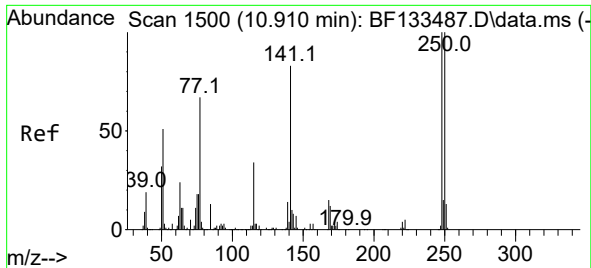
Ion Ratio Lower Upper

198 100

51 198.3 53.6 93.6#

105 151.2 35.9 75.9#





#67

4-Bromophenyl-phenylether

Concen: 2.857 ng

RT: 10.663 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF133513.D

Acq: 26 May 2023 22:41

Instrument :

BNA_F

ClientSampleId :

WC13

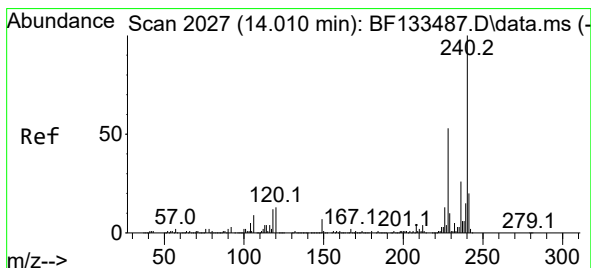
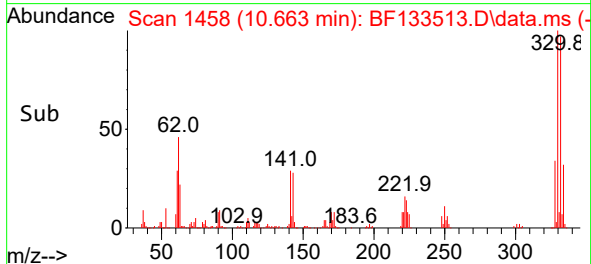
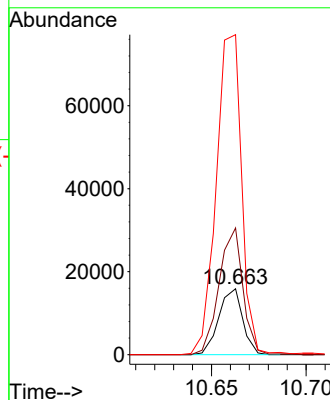
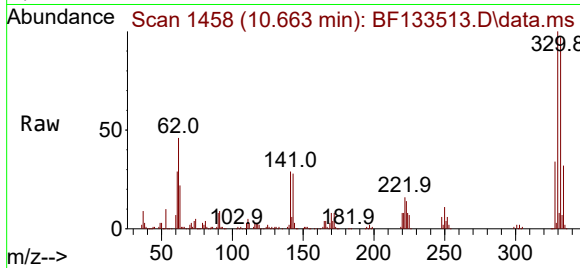
Tgt Ion:248 Resp: 13964

Ion Ratio Lower Upper

248 100

250 192.0 79.7 119.5#

141 485.0 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: BF133513.D

Acq: 26 May 2023 22:41

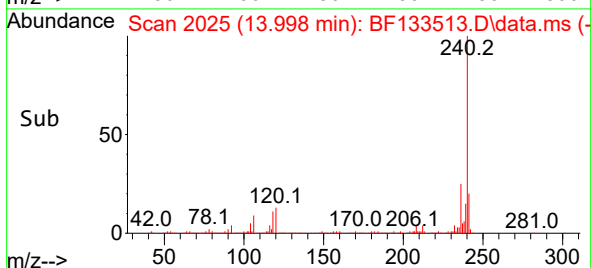
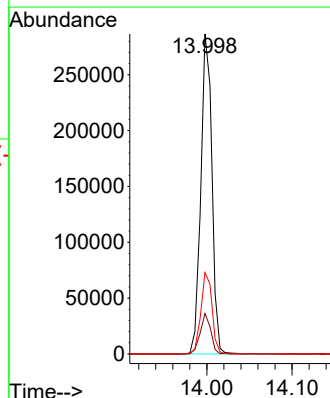
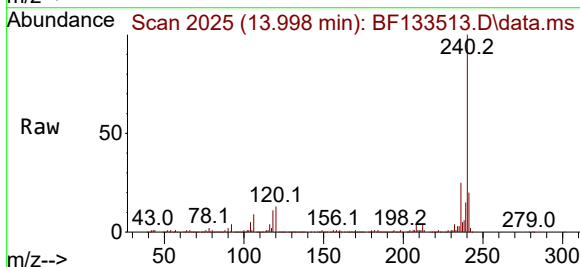
Tgt Ion:240 Resp: 259553

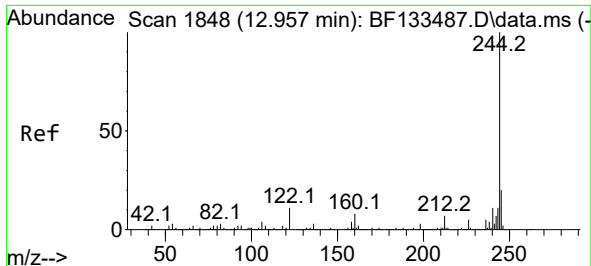
Ion Ratio Lower Upper

240 100

120 12.6 10.3 15.5

236 25.4 20.5 30.7

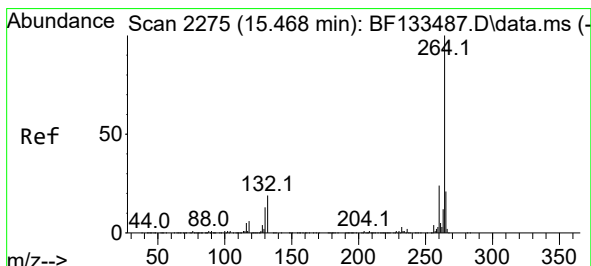
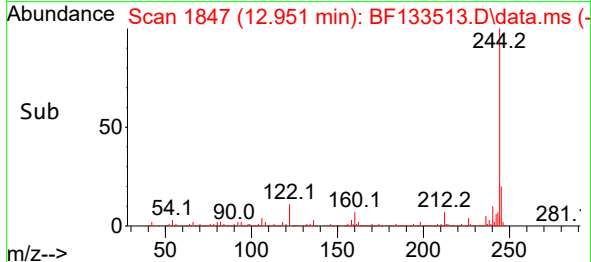
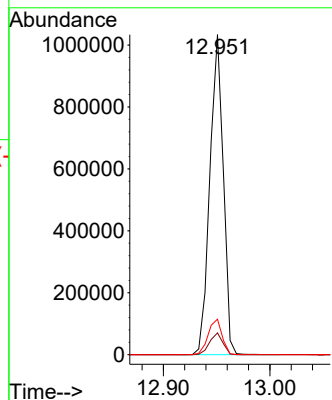
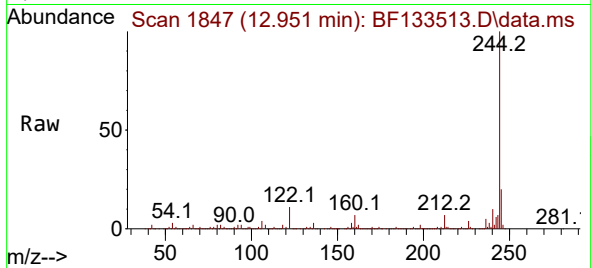




#79
 Terphenyl-d14
 Concen: 62.091 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133513.D
 Acq: 26 May 2023 22:41

Instrument :
 BNA_F
 ClientSampleId :
 WC13

Tgt Ion:244 Resp: 906411
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 11.1 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: BF133513.D
 Acq: 26 May 2023 22:41

Tgt Ion:264 Resp: 264457
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 21.8 16.8 25.2

