

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133511.D
 Acq On : 26 May 2023 21:37
 Operator : CG\JU
 Sample : 02908-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC10

Quant Time: May 27 01:12:29 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)

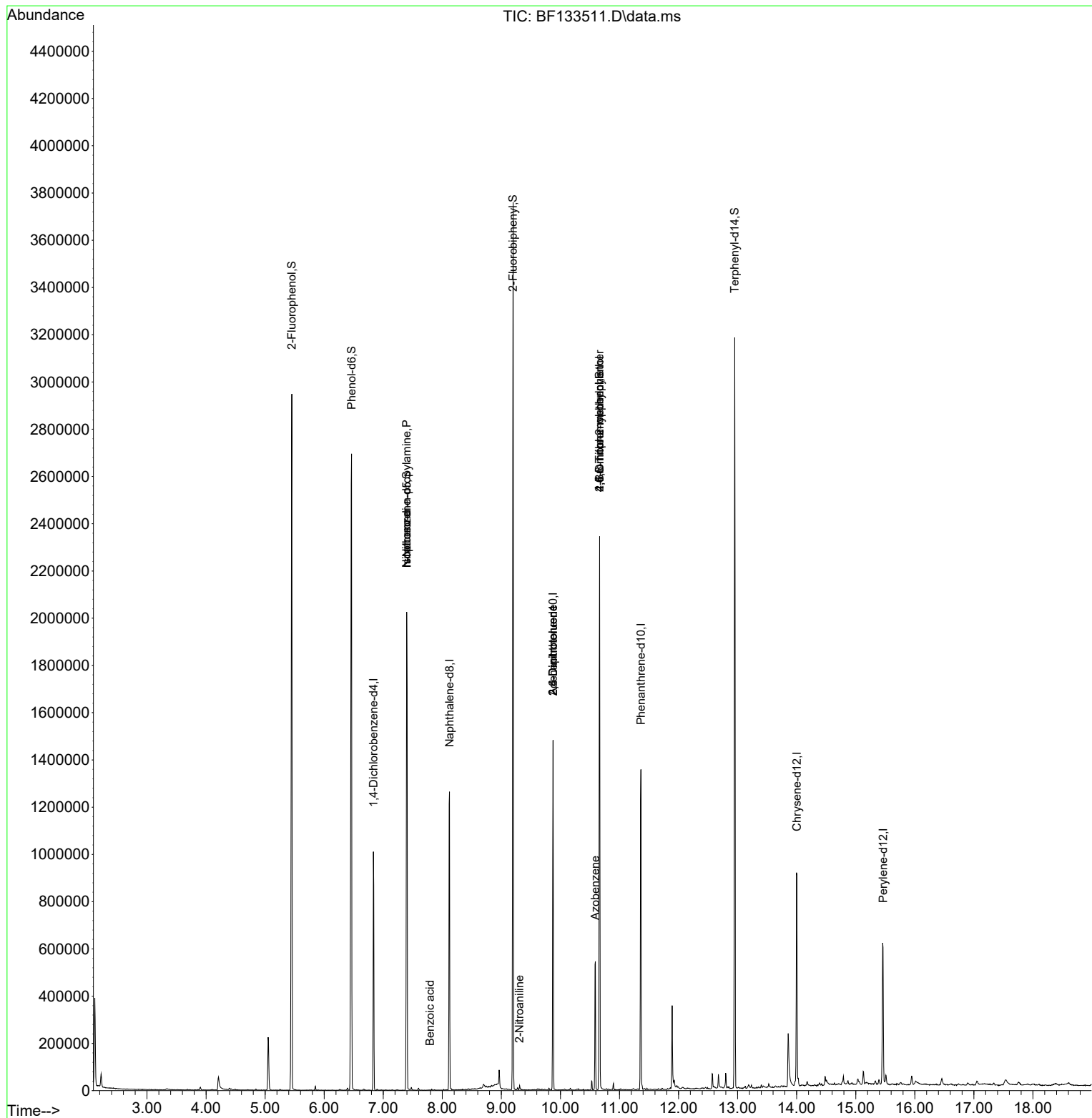
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	141273	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	543646	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	260037	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	496139	20.000	ng	0.00
76) Chrysene-d12	14.004	240	308349	20.000	ng	0.00
86) Perylene-d12	15.463	264	270584	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	809089	95.555	ng	0.00
7) Phenol-d6	6.463	99	981110	94.127	ng	0.00
23) Nitrobenzene-d5	7.398	82	634398	77.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	262503	101.271	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1057553	62.771	ng	0.00
79) Terphenyl-d14	12.951	244	1066864	61.517	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.387	77	238	Below Cal	#	63
19) n-Nitroso-di-n-propyla...	7.398	70	88764	13.162	ng	# 78
25) Isophorone	7.398	82	634392	33.431	ng	# 65
32) Benzoic acid	7.792	122	61	7.359	ng	# 81
48) 2-Nitroaniline	9.304	65	104	4.010	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	32638	12.354	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	32638	11.565	ng	# 15
63) Azobenzene	10.586	77	96766	5.095	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	655	8.976	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	15931	3.024	ng	# 1

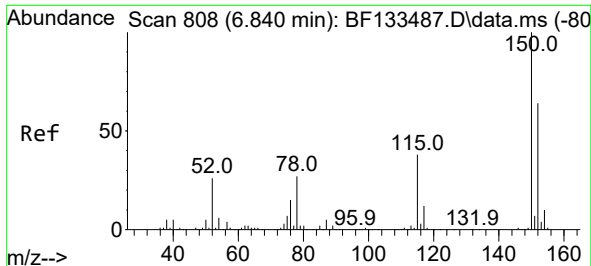
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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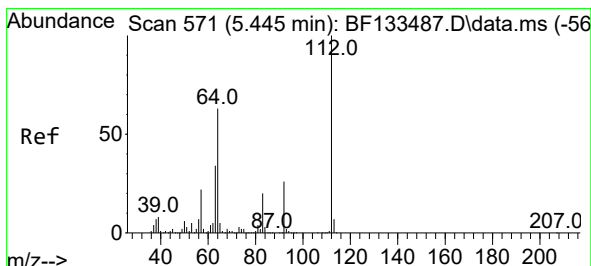
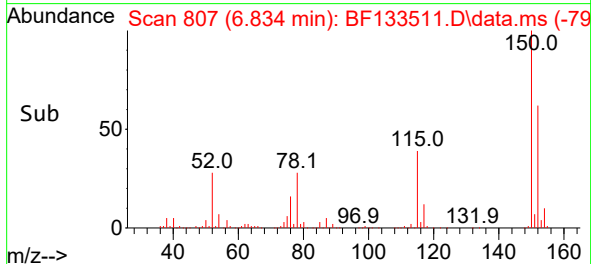
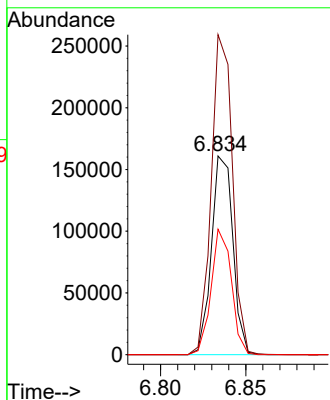
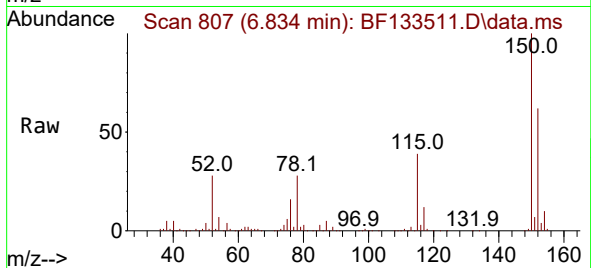




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

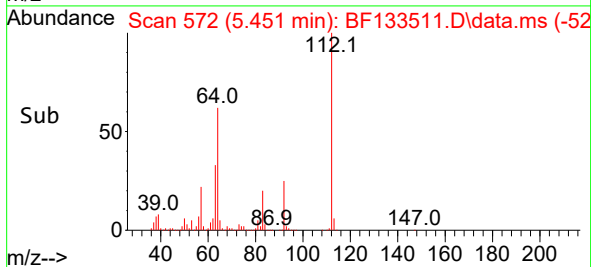
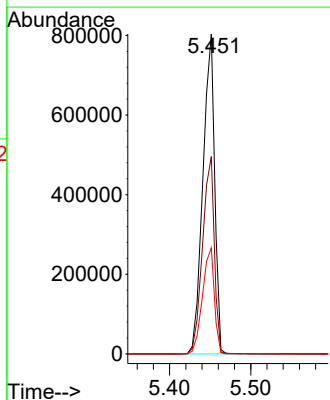
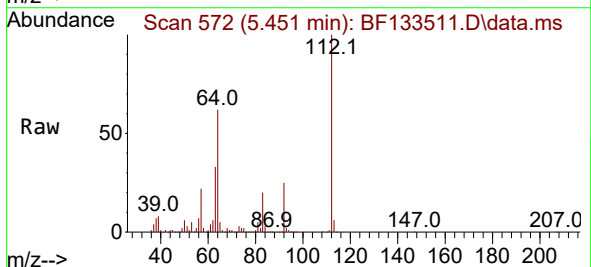
Instrument :
BNA_F
ClientSampleId :
WC10

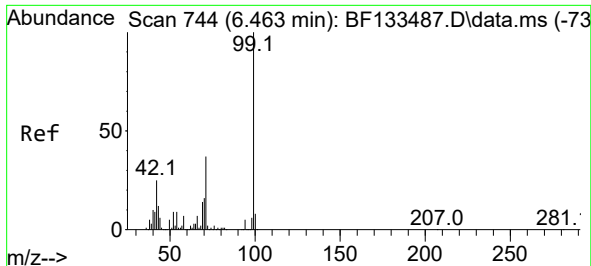
Tgt Ion:152 Resp: 141273
Ion Ratio Lower Upper
152 100
150 161.0 124.9 187.3
115 63.1 48.1 72.1



#5
2-Fluorophenol
Concen: 95.555 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion:112 Resp: 809089
Ion Ratio Lower Upper
112 100
64 61.7 50.1 75.1
63 33.2 27.5 41.3

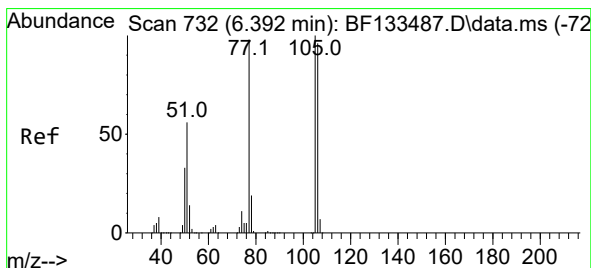
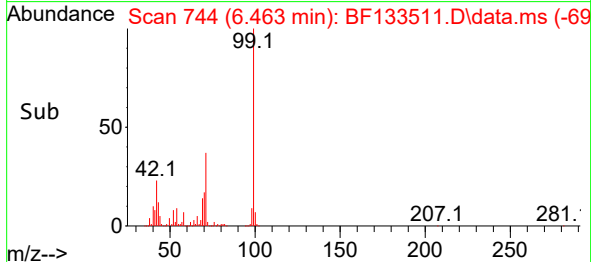
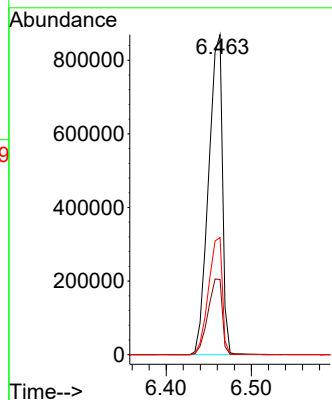
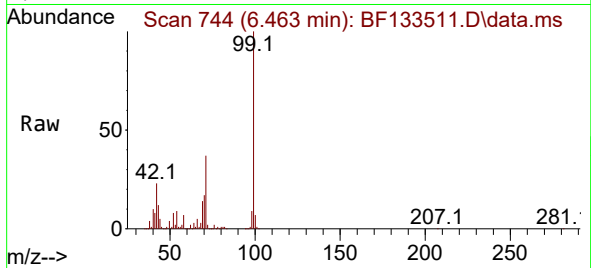




#7
Phenol-d6
Concen: 94.127 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

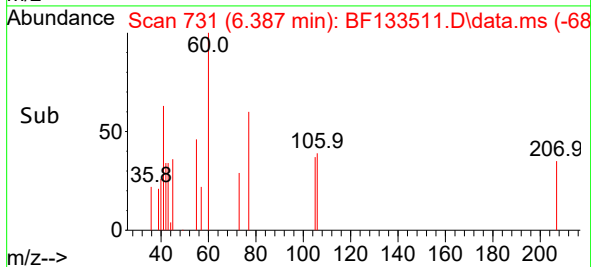
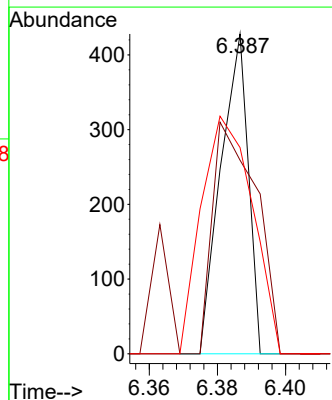
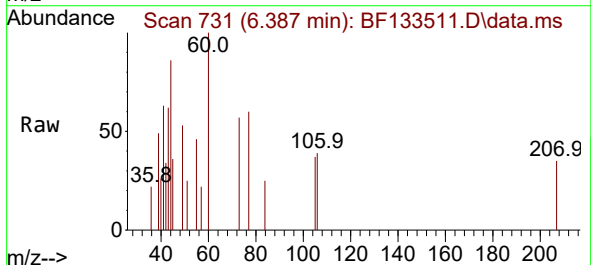
Instrument :
BNA_F
ClientSampleId :
WC10

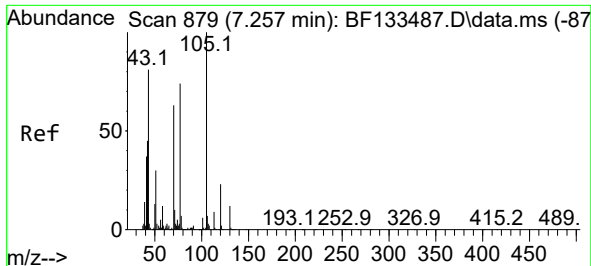
Tgt Ion: 99 Resp: 981110
Ion Ratio Lower Upper
99 100
42 23.5 19.7 29.5
71 36.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.005 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion: 77 Resp: 238
Ion Ratio Lower Upper
77 100
105 60.5 81.9 121.9#
106 64.5 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 13.162 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133511.D

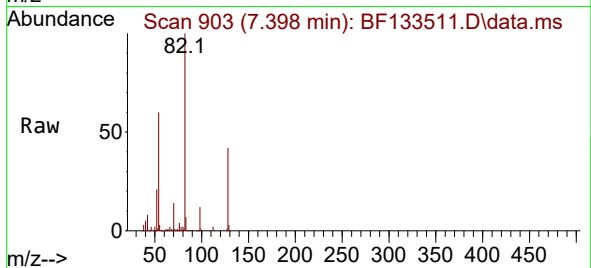
Acq: 26 May 2023 21:37

Instrument :

BNA_F

ClientSampleId :

WC10



Tgt Ion: 70 Resp: 88764

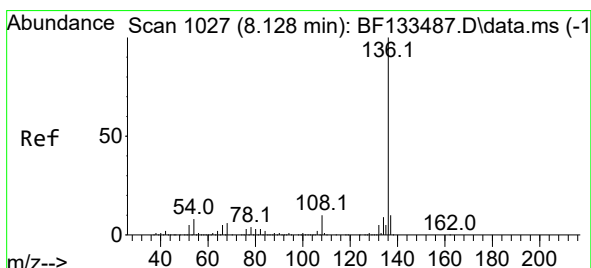
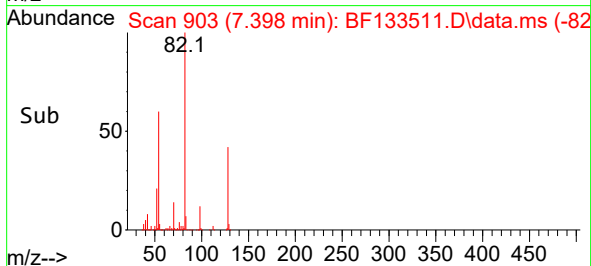
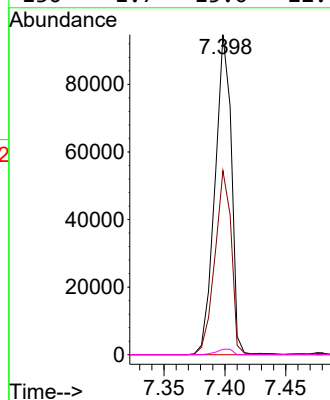
Ion Ratio Lower Upper

70 100

42 57.5 57.2 85.8

101 0.0 7.3 10.9#

130 1.7 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: BF133511.D

Acq: 26 May 2023 21:37

Tgt Ion: 136 Resp: 543646

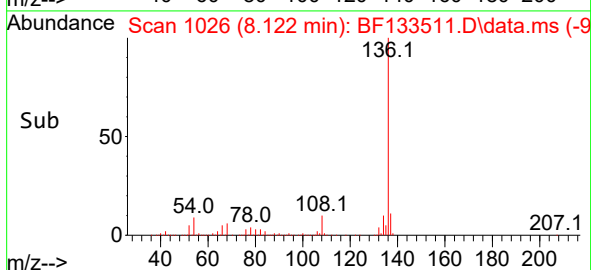
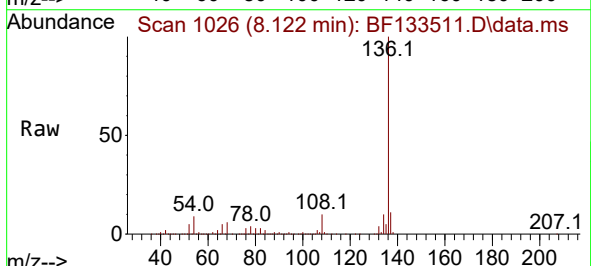
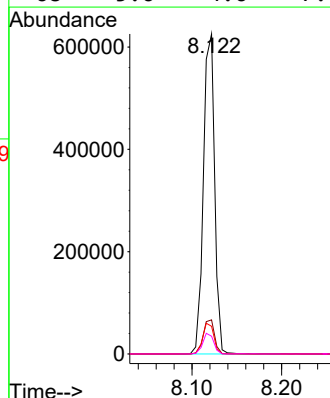
Ion Ratio Lower Upper

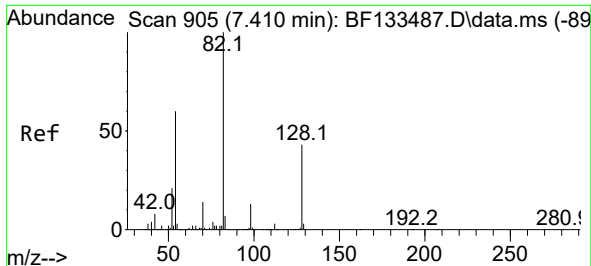
136 100

137 10.6 8.2 12.4

54 8.7 6.6 10.0

68 5.6 4.6 7.0

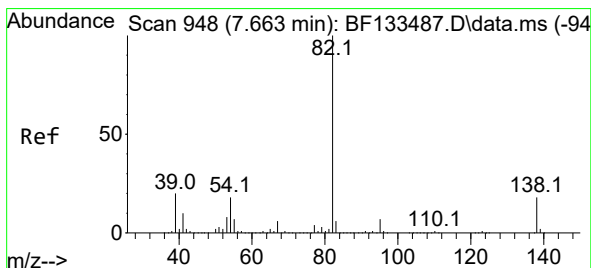
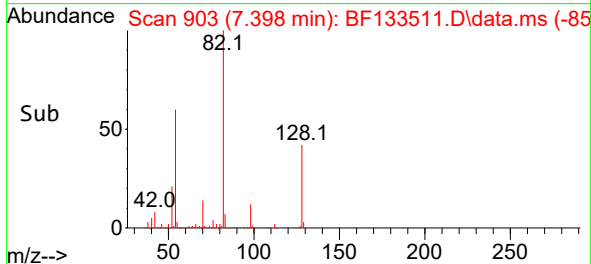
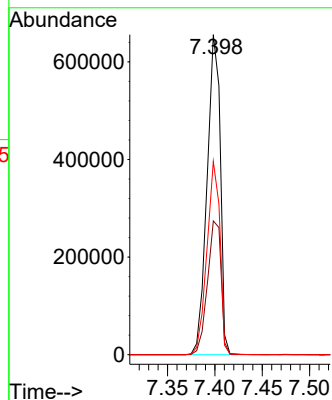
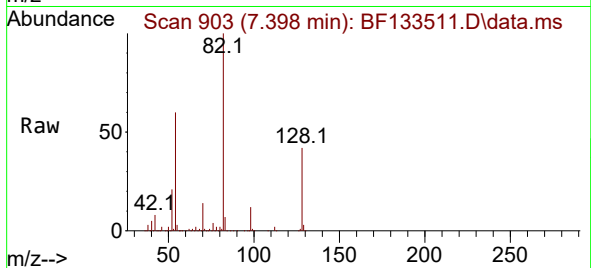




#23
Nitrobenzene-d5
Concen: 77.914 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

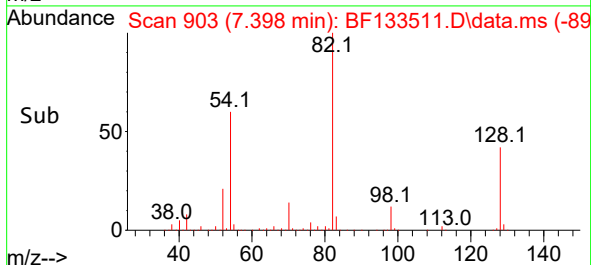
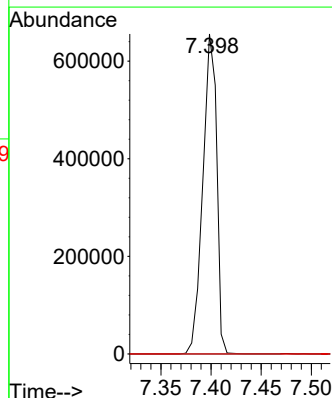
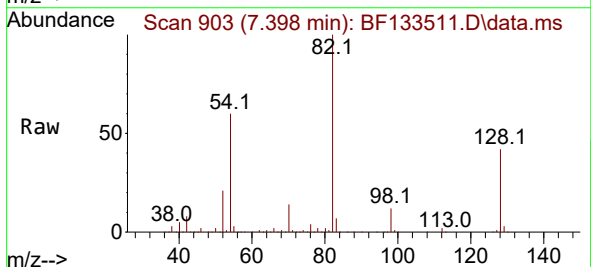
Instrument :
BNA_F
ClientSampleId :
WC10

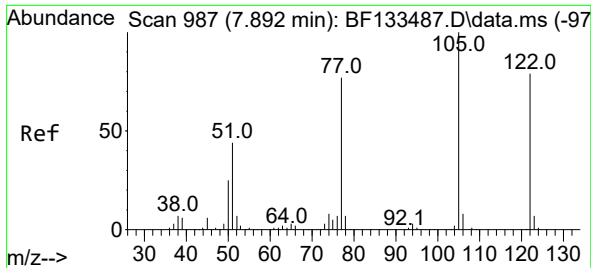
Tgt Ion: 82 Resp: 634398
Ion Ratio Lower Upper
82 100
128 41.8 34.2 51.4
54 60.4 48.2 72.4



#25
Isophorone
Concen: 33.431 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion: 82 Resp: 634392
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#

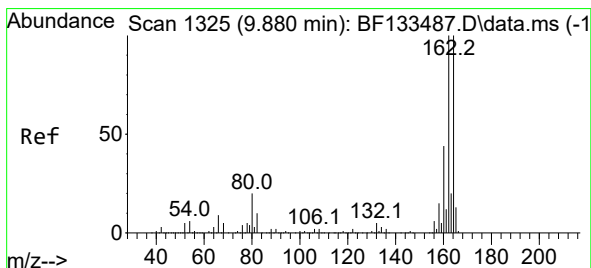
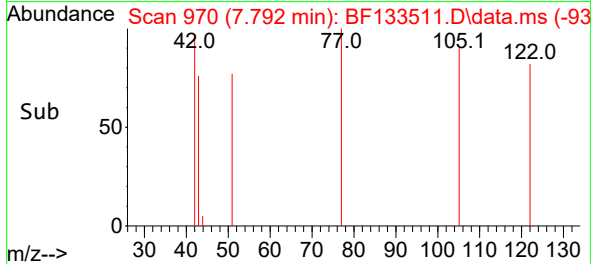
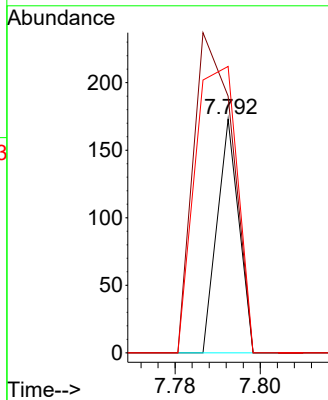
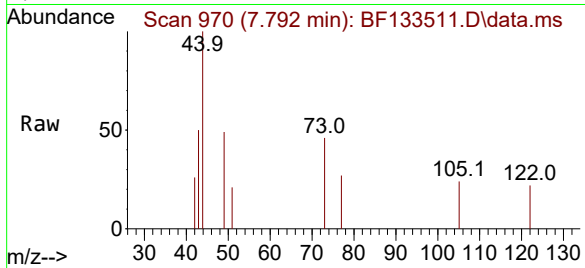




#32
Benzoic acid
Concen: 7.359 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

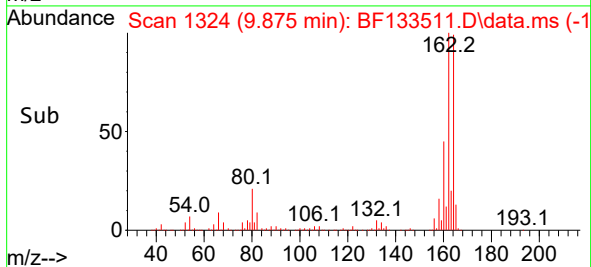
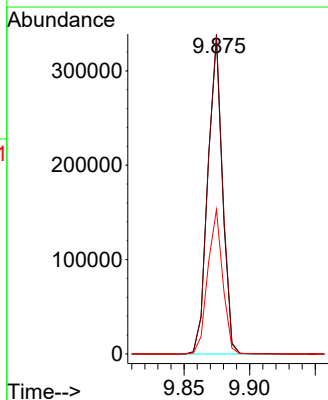
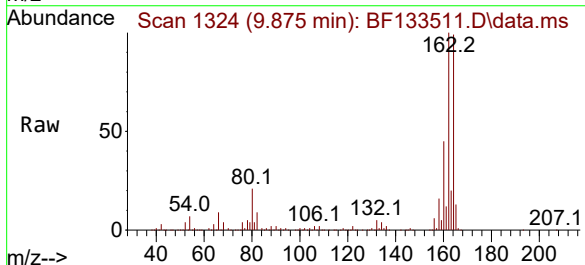
Instrument :
BNA_F
ClientSampleId :
WC10

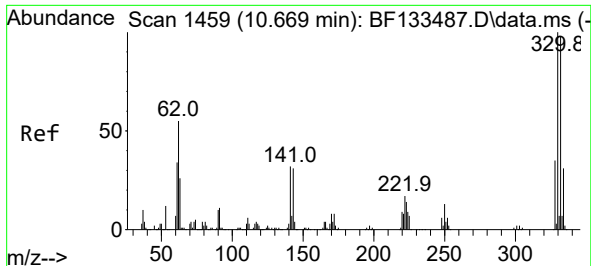
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 109.8 103.3 143.3
77 122.5 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion:164 Resp: 260037
Ion Ratio Lower Upper
164 100
162 101.5 79.7 119.5
160 45.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 101.271 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133511.D

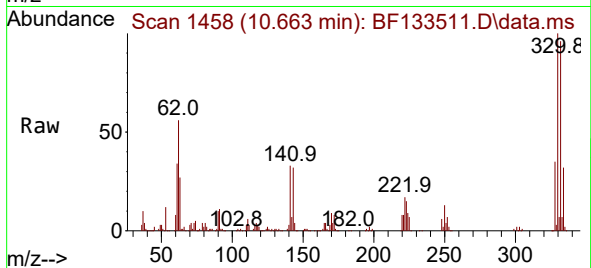
Acq: 26 May 2023 21:37

Instrument :

BNA_F

ClientSampleId :

WC10



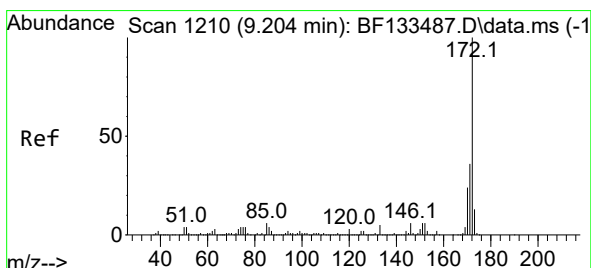
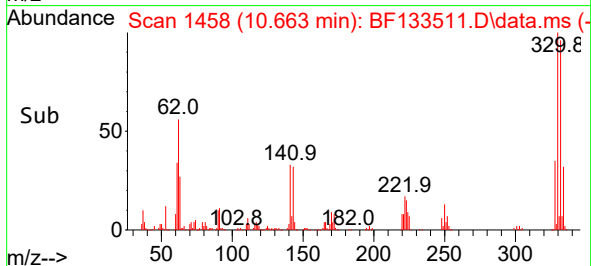
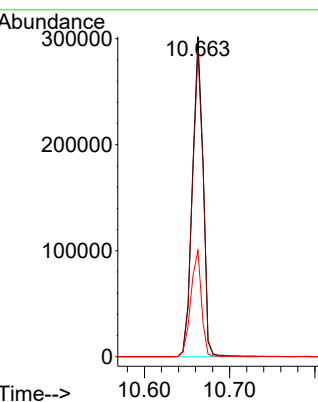
Tgt Ion:330 Resp: 262503

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

141 33.0 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 62.771 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133511.D

Acq: 26 May 2023 21:37

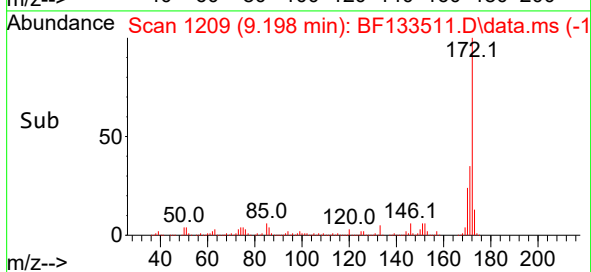
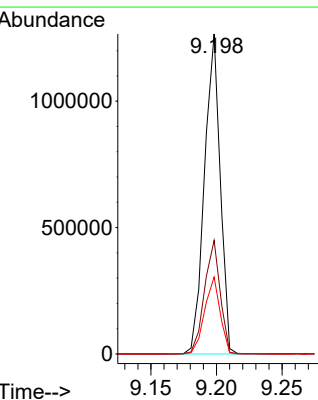
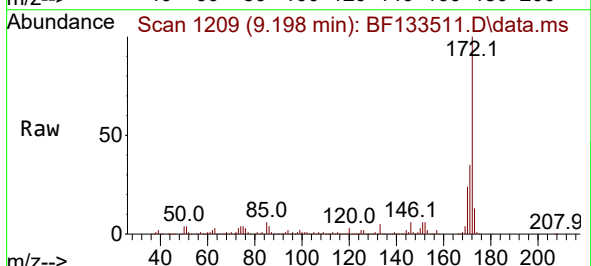
Tgt Ion:172 Resp: 1057553

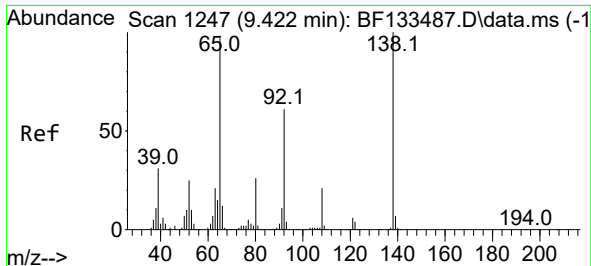
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.1 19.3 28.9

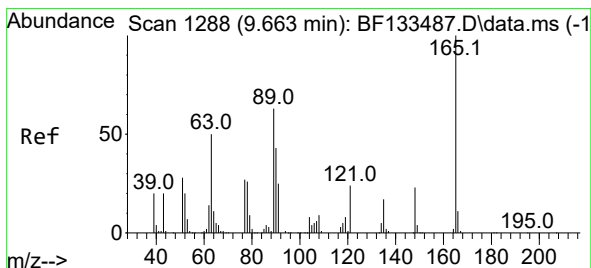
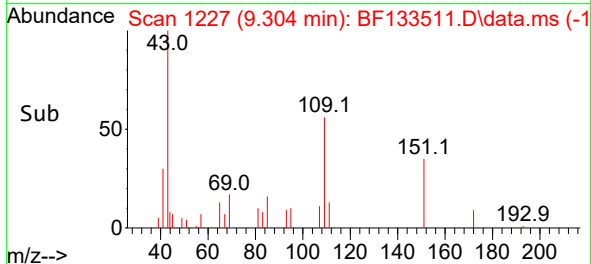
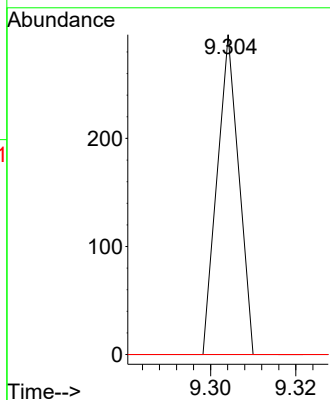
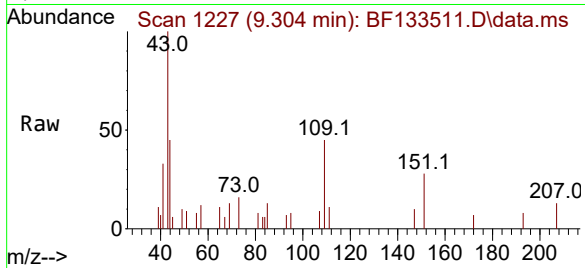




#48
2-Nitroaniline
Concen: 4.010 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

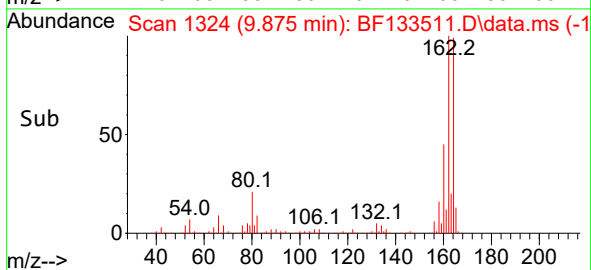
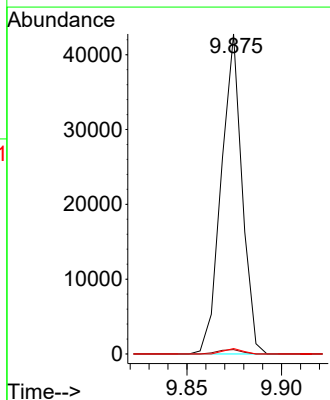
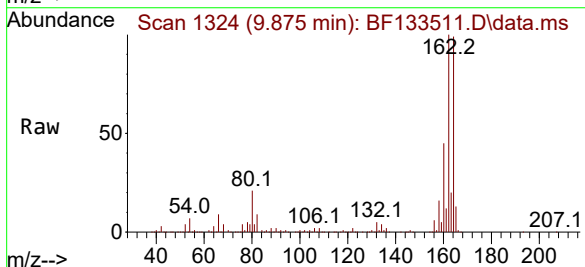
Instrument :
BNA_F
ClientSampleId :
WC10

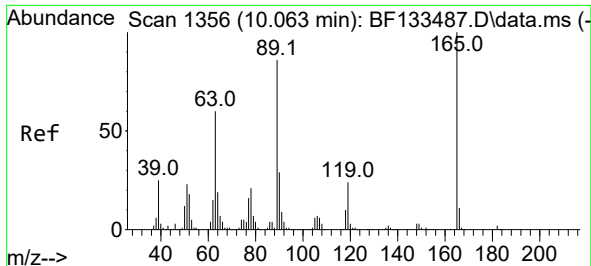
Tgt Ion: 65 Resp: 104
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.354 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion: 165 Resp: 32638
Ion Ratio Lower Upper
165 100
63 1.4 57.0 85.4#
89 1.7 50.8 76.2#

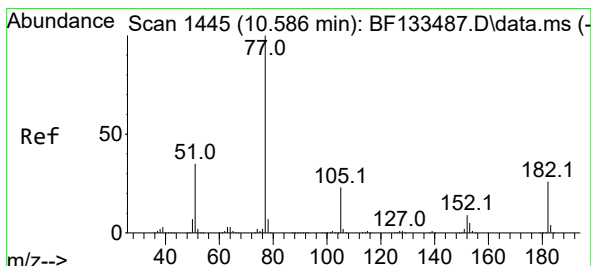
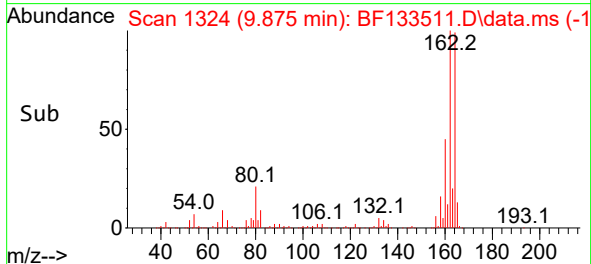
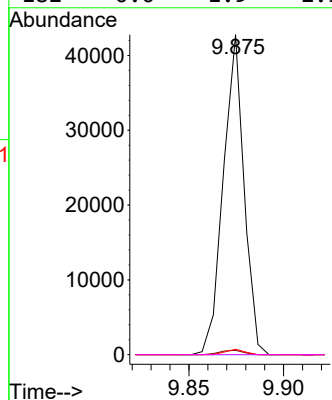
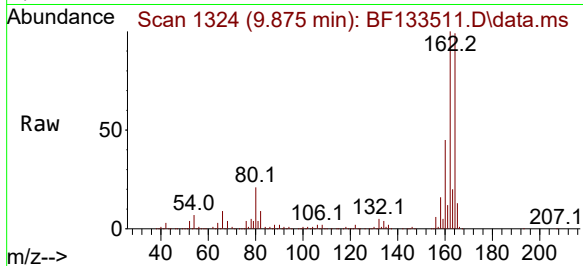




#57
2,4-Dinitrotoluene
Concen: 11.565 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

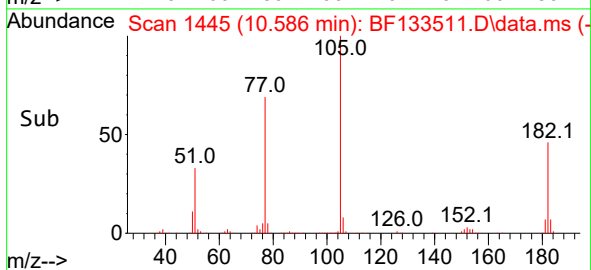
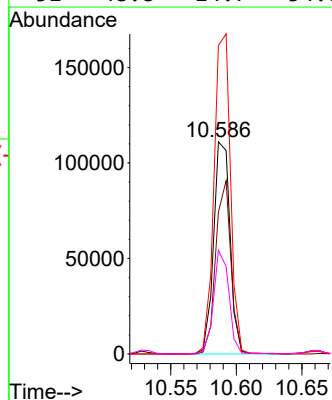
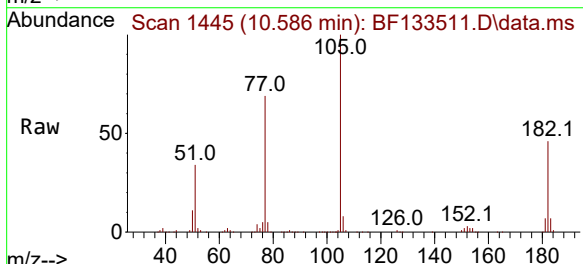
Instrument :
BNA_F
ClientSampleId :
WC10

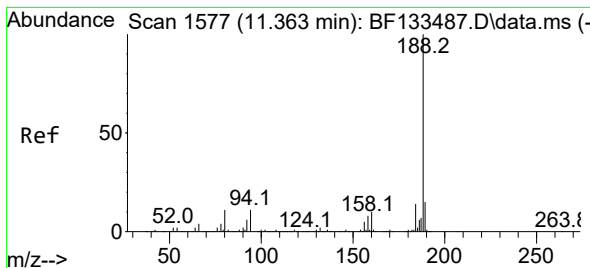
Tgt Ion:165 Resp: 32638
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 5.095 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion: 77 Resp: 96766
Ion Ratio Lower Upper
77 100
182 67.0 5.6 45.6#
105 145.4 2.6 42.6#
51 48.8 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: BF133511.D

Acq: 26 May 2023 21:37

Instrument :

BNA_F

ClientSampleId :

WC10

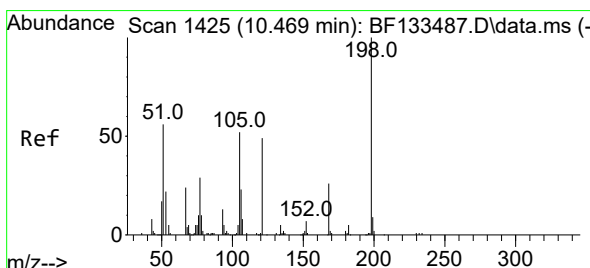
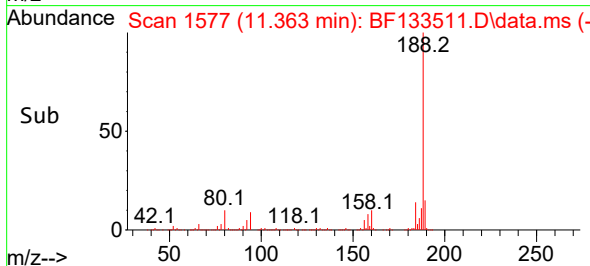
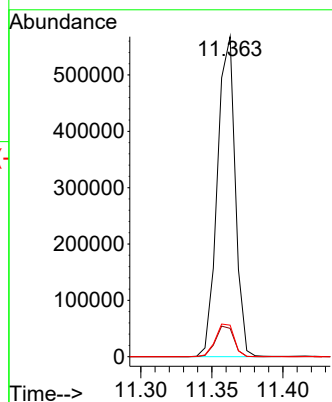
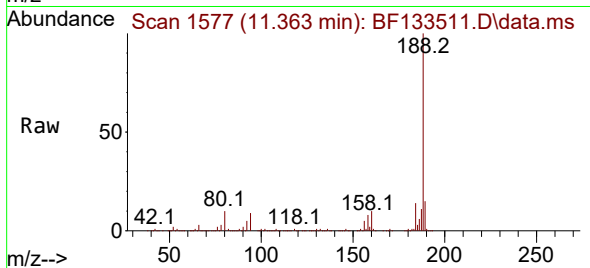
Tgt Ion:188 Resp: 496139

Ion Ratio Lower Upper

188 100

94 8.8 8.6 12.8

80 9.9 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.976 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133511.D

Acq: 26 May 2023 21:37

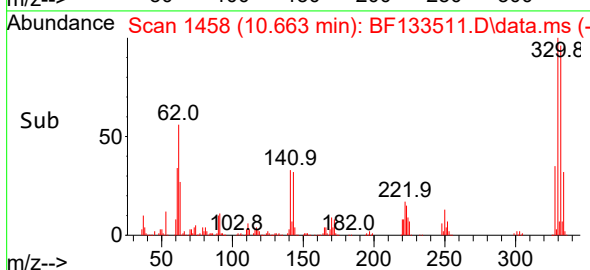
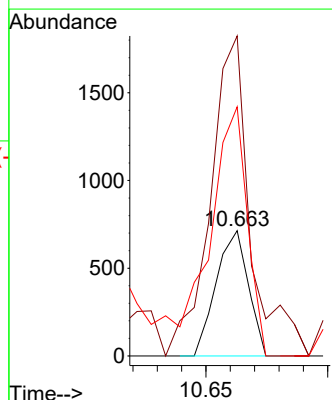
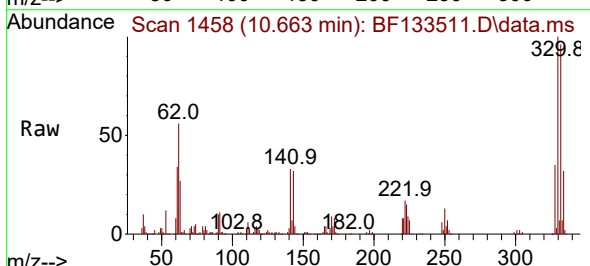
Tgt Ion:198 Resp: 655

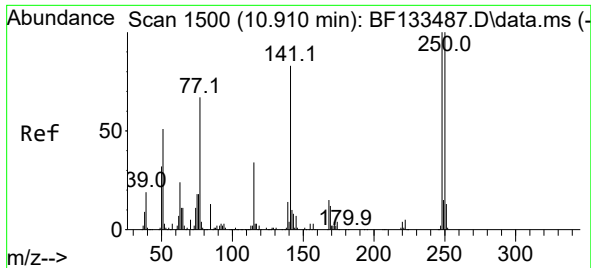
Ion Ratio Lower Upper

198 100

51 255.5 53.6 93.6#

105 198.9 35.9 75.9#

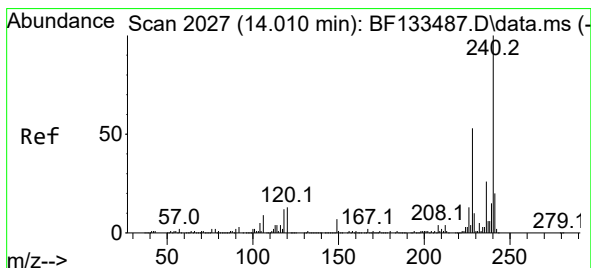
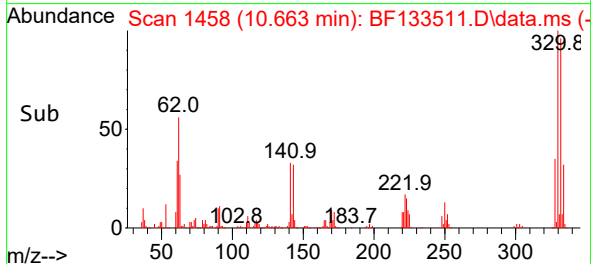
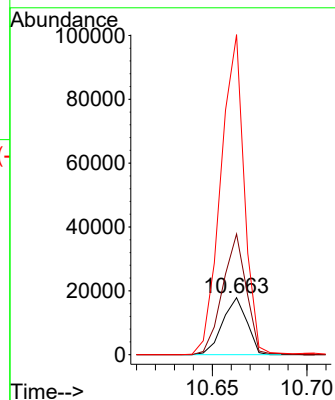
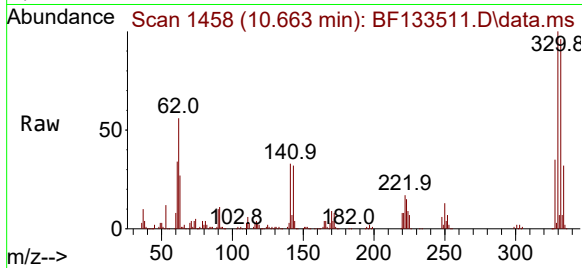




#67
4-Bromophenyl-phenylether
Concen: 3.024 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

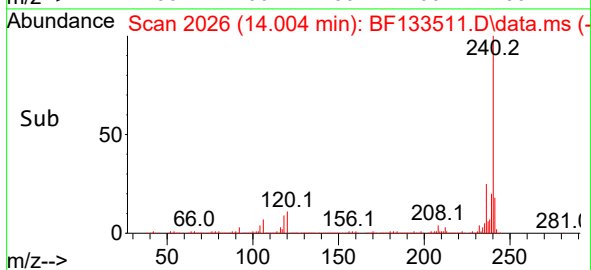
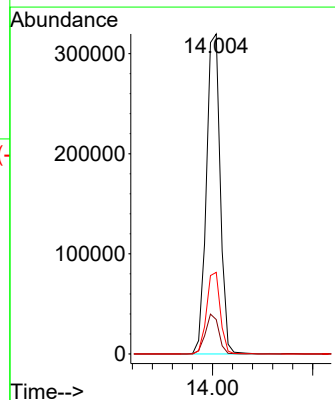
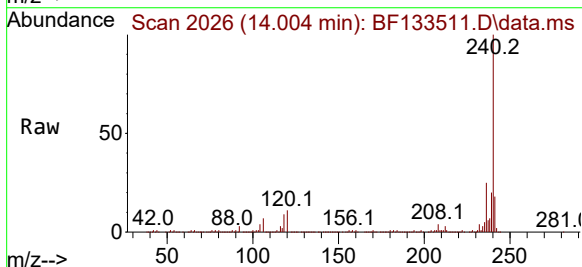
Instrument :
BNA_F
ClientSampleId :
WC10

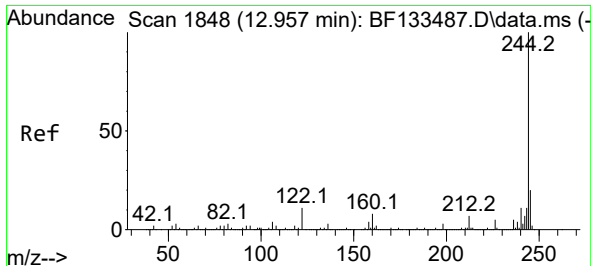
Tgt Ion:248 Resp: 15931
Ion Ratio Lower Upper
248 100
250 211.6 79.7 119.5#
141 561.4 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133511.D
Acq: 26 May 2023 21:37

Tgt Ion:240 Resp: 308349
Ion Ratio Lower Upper
240 100
120 10.8 10.3 15.5
236 25.5 20.5 30.7

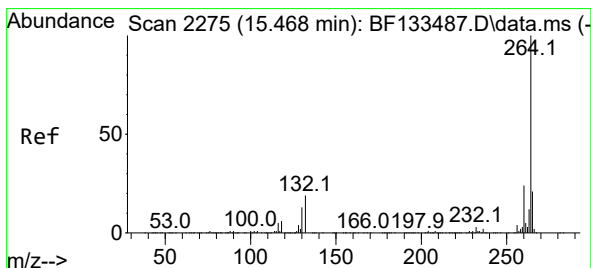
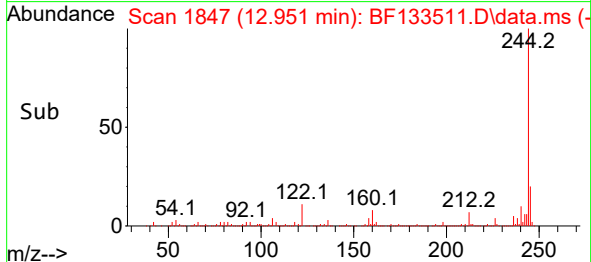
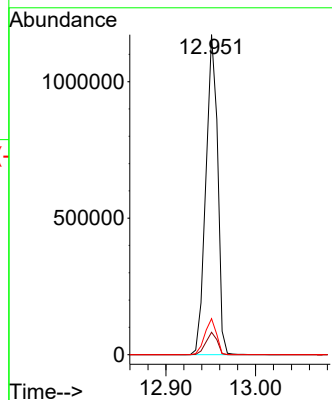
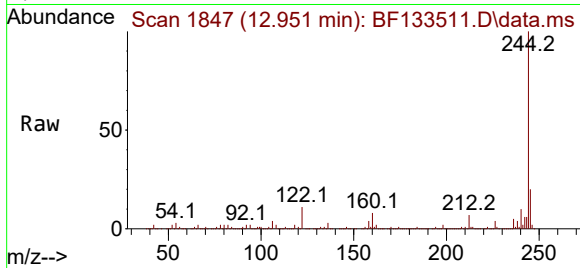




#79
 Terphenyl-d14
 Concen: 61.517 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133511.D
 Acq: 26 May 2023 21:37

Instrument :
 BNA_F
 ClientSampleId :
 WC10

Tgt Ion:244 Resp: 1066864
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 11.3 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2274
 Delta R.T. -0.006 min
 Lab File: BF133511.D
 Acq: 26 May 2023 21:37

Tgt Ion:264 Resp: 270584
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.4
 265 20.1 16.8 25.2

