

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133531.D
 Acq On : 30 May 2023 19:56
 Operator : CG\JU
 Sample : 02955-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC25

Quant Time: May 31 05:22:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

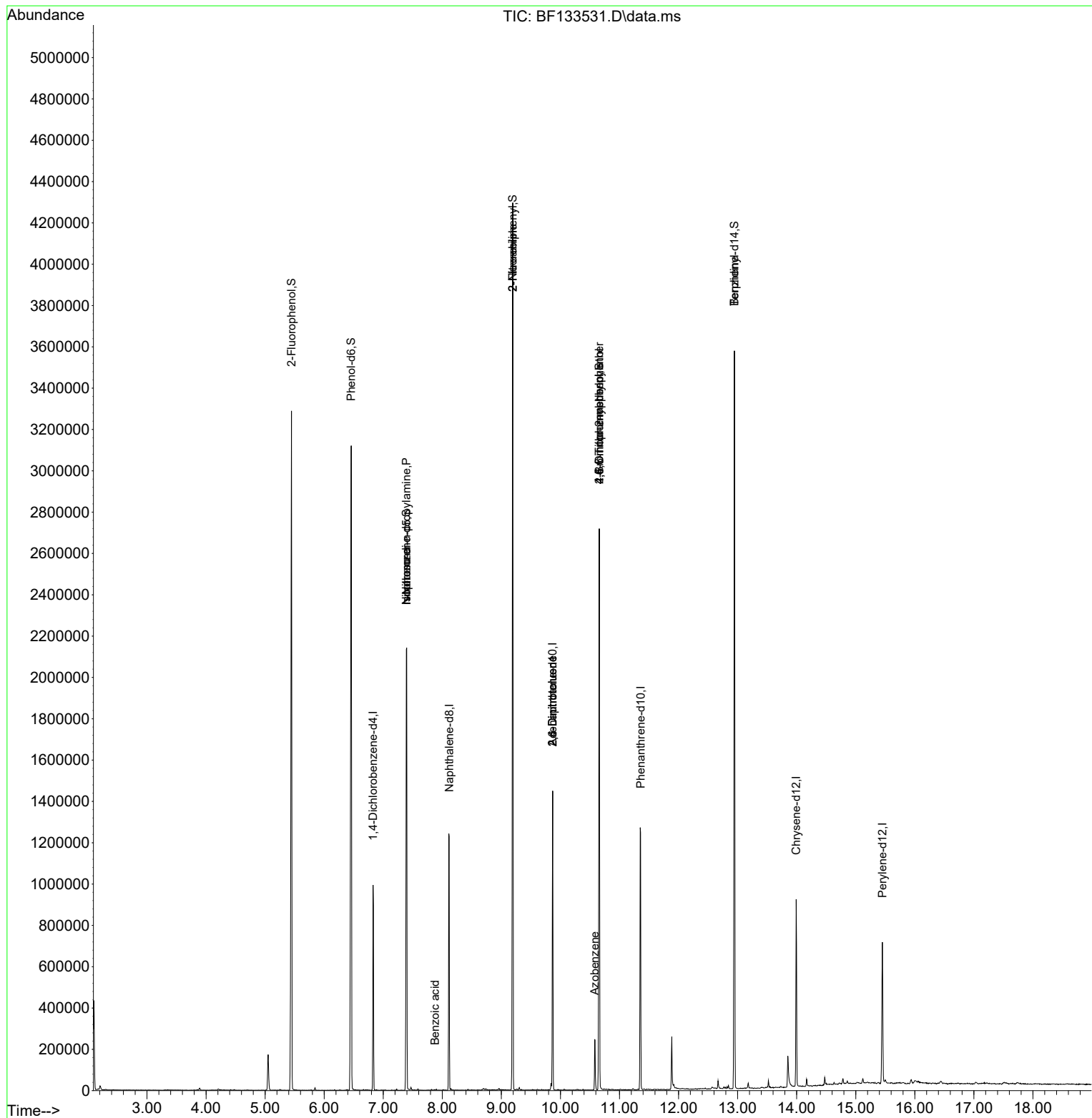
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	141006	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	523616	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	252408	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	484131	20.000	ng	0.00
76) Chrysene-d12	13.992	240	284274	20.000	ng	-0.01
86) Perylene-d12	15.451	264	293009	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	905701	107.168	ng	0.00
7) Phenol-d6	6.457	99	1125156	108.151	ng	0.00
23) Nitrobenzene-d5	7.392	82	694208	88.522	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	301538	119.846	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1220800	74.650	ng	0.00
79) Terphenyl-d14	12.945	244	1239258	77.509	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	76	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	97422	14.473	ng	# 78
25) Isophorone	7.392	82	693088	37.921	ng	# 65
32) Benzoic acid	7.875	122	160	7.376	ng	# 24
48) 2-Nitroaniline	9.192	65	2165	4.407	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	32098	12.469	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	32098	11.655	ng	# 15
63) Azobenzene	10.580	77	43054	2.336	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	693	8.998	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	18696	3.636	ng	# 1
77) Benzidine	12.945	184	17126	2.060	ng	# 95

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

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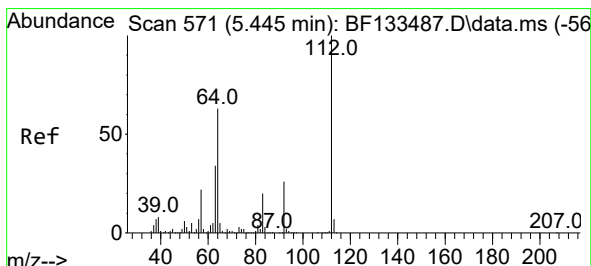
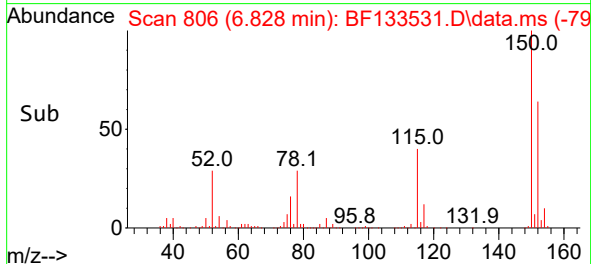
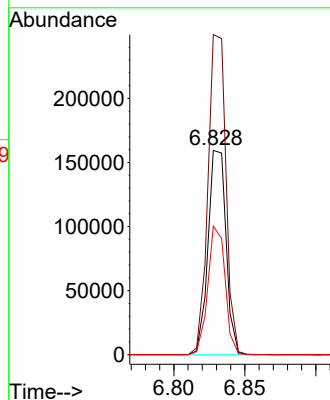
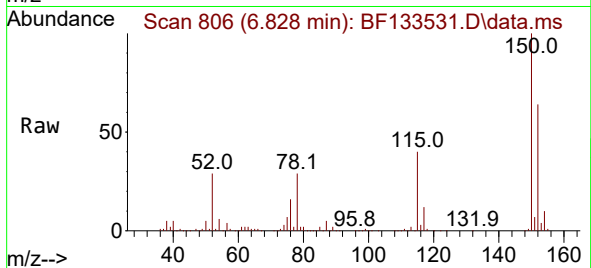




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

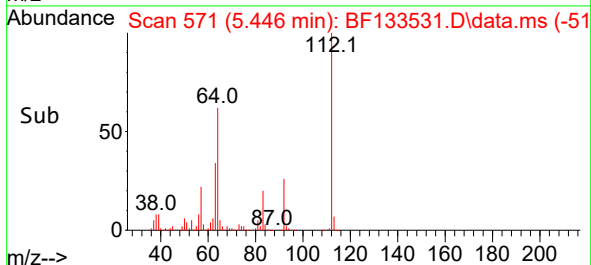
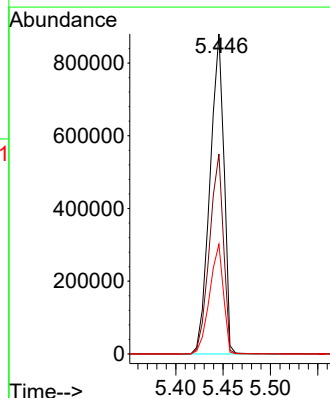
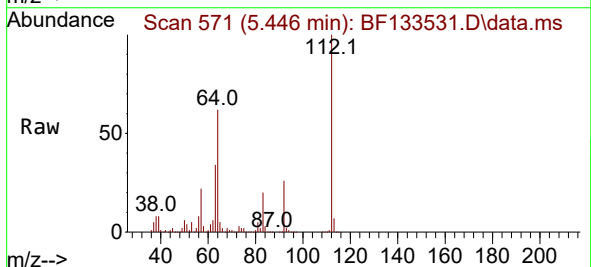
Instrument :
BNA_F
ClientSampleId :
WC25

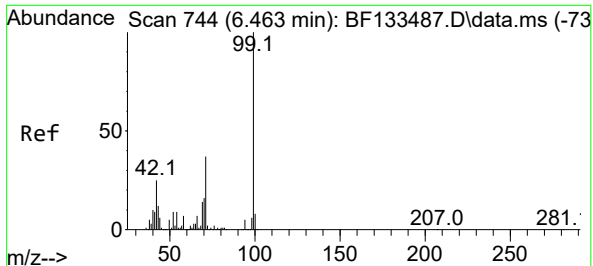
Tgt Ion:152 Resp: 141006
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 107.168 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:112 Resp: 905701
Ion Ratio Lower Upper
112 100
64 62.5 50.1 75.1
63 34.3 27.5 41.3

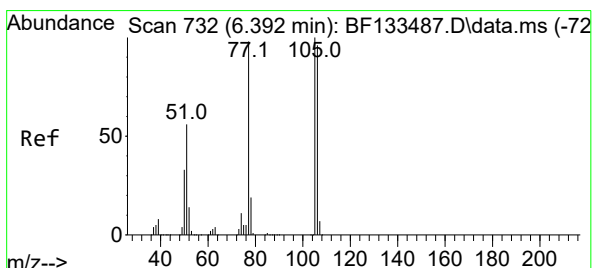
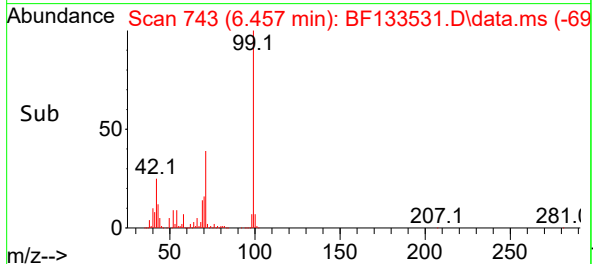
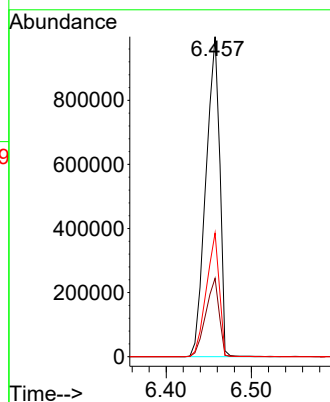
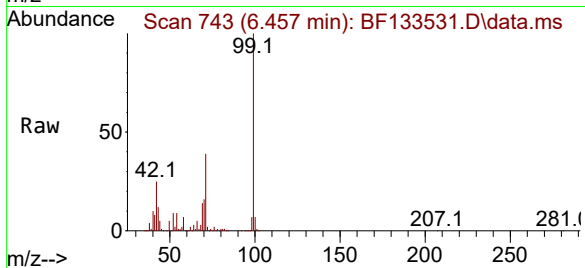




#7
Phenol-d6
Concen: 108.151 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

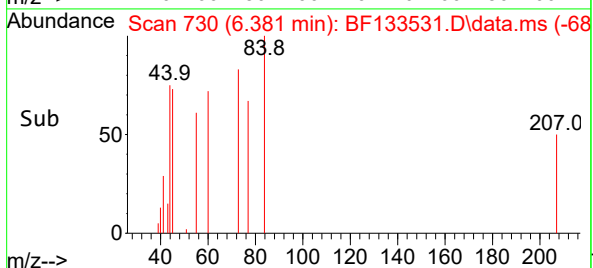
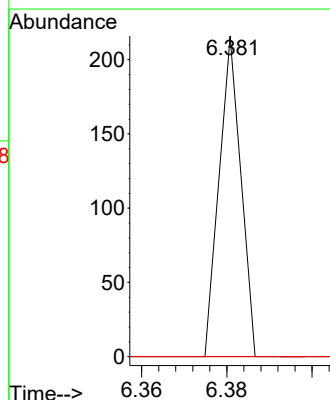
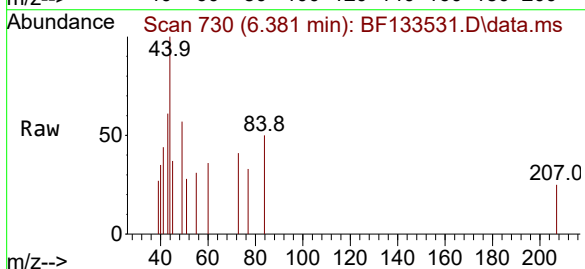
Instrument :
BNA_F
ClientSampleId :
WC25

Tgt Ion: 99 Resp: 1125156
Ion Ratio Lower Upper
99 100
42 24.5 19.7 29.5
71 38.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion: 77 Resp: 76
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

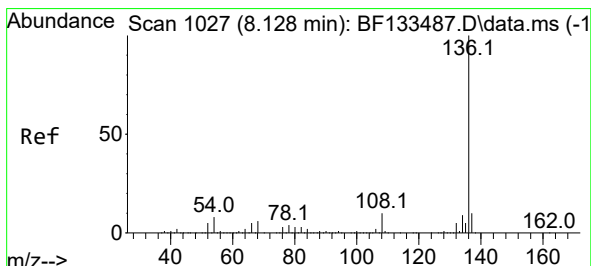
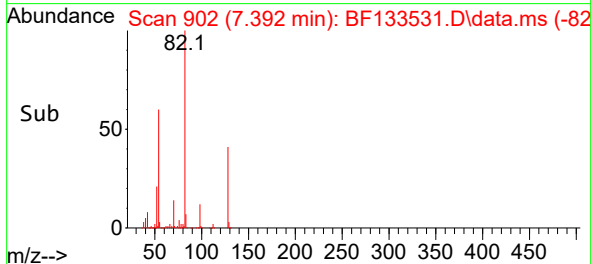
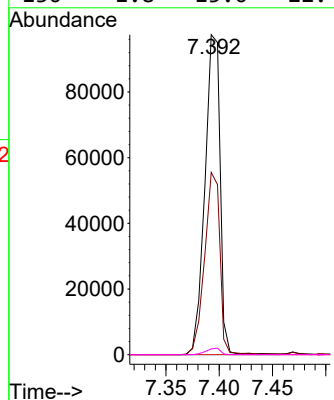
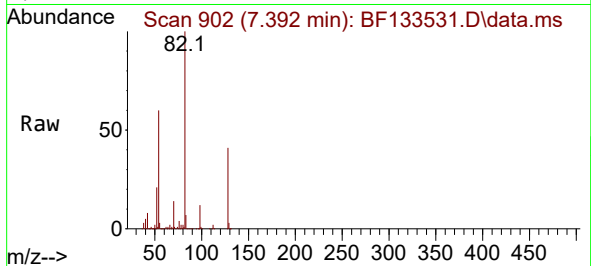




#19
n-Nitroso-di-n-propylamine
Concen: 14.473 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

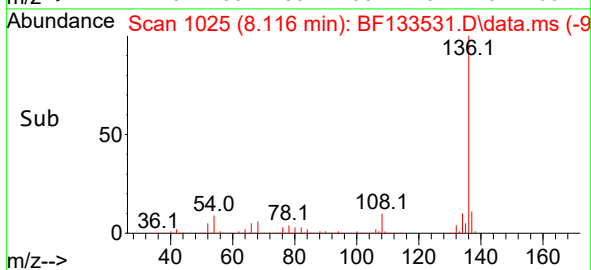
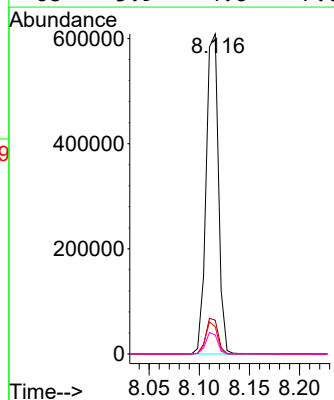
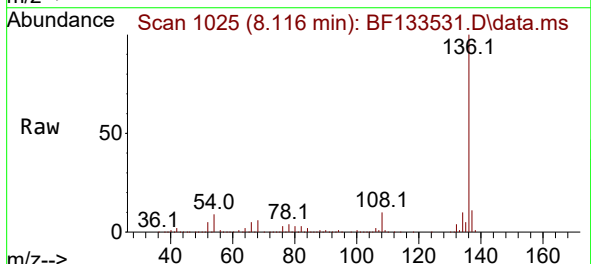
Instrument :
BNA_F
ClientSampleId :
WC25

Tgt Ion: 70 Resp: 97422
Ion Ratio Lower Upper
70 100
42 56.9 57.2 85.8#
101 0.0 7.3 10.9#
130 1.8 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:136 Resp: 523616
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 8.5 6.6 10.0
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 88.522 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133531.D

Acq: 30 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

WC25

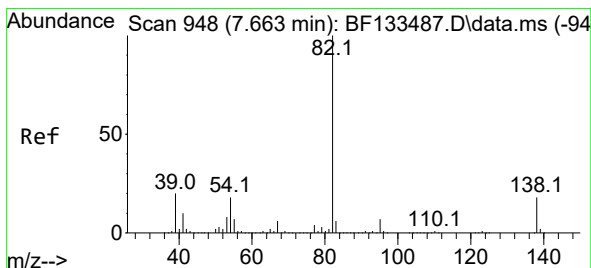
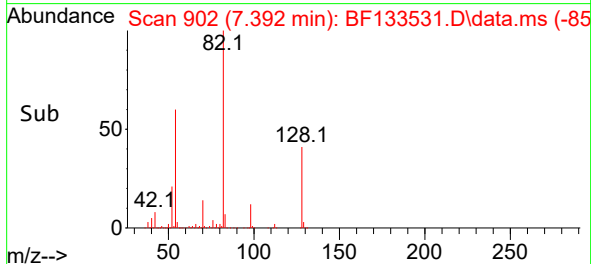
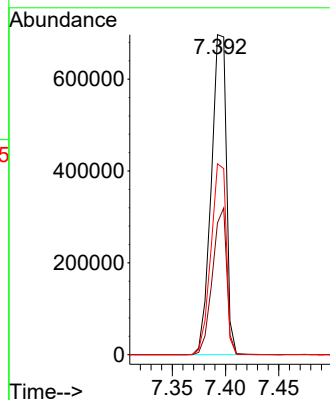
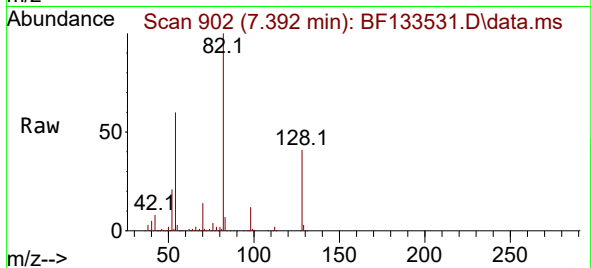
Tgt Ion: 82 Resp: 694208

Ion Ratio Lower Upper

82 100

128 41.2 34.2 51.4

54 59.7 48.2 72.4



#25

Isophorone

Concen: 37.921 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133531.D

Acq: 30 May 2023 19:56

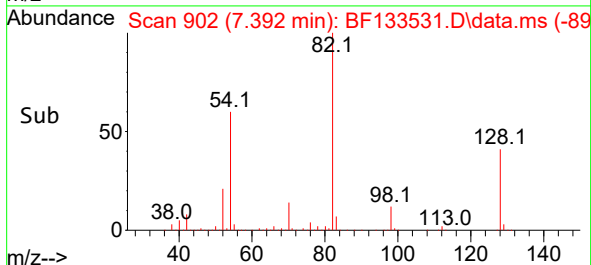
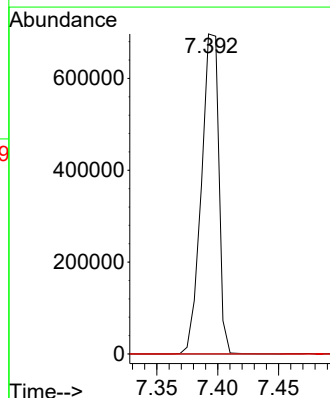
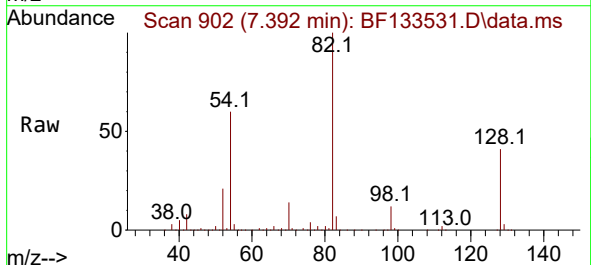
Tgt Ion: 82 Resp: 693088

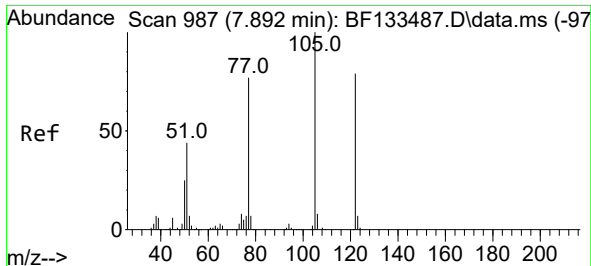
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

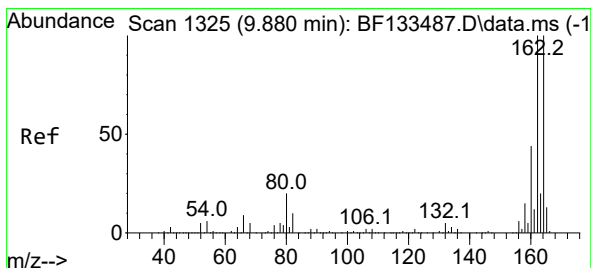
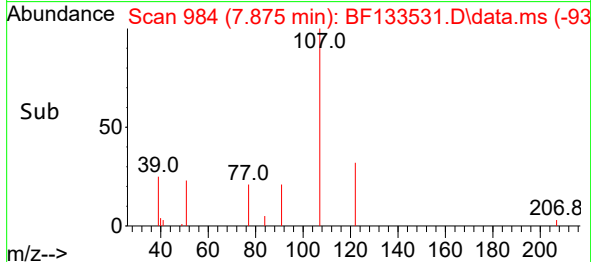
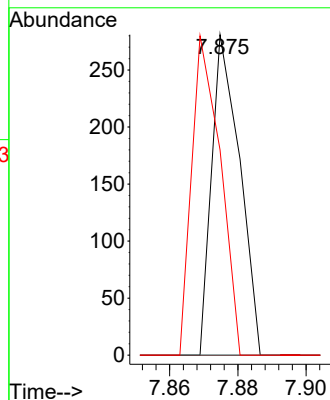
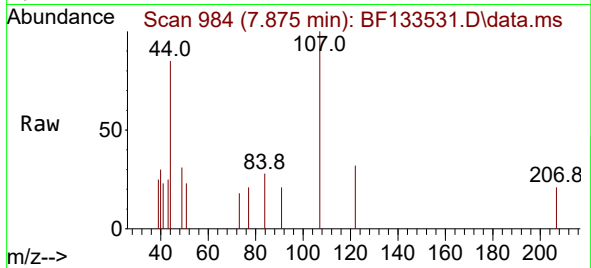




#32
Benzoic acid
Concen: 7.376 ng
RT: 7.875 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

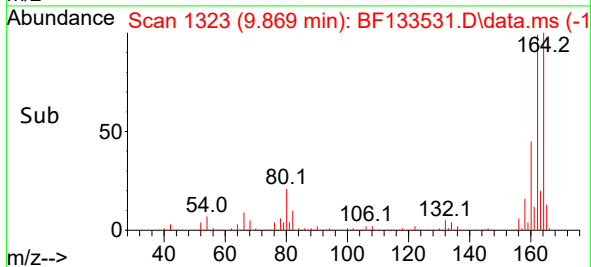
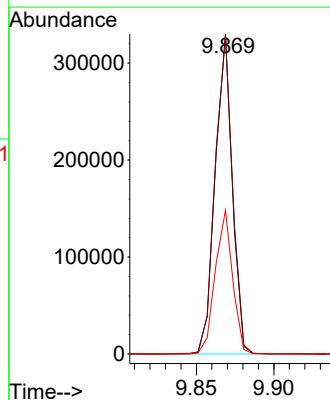
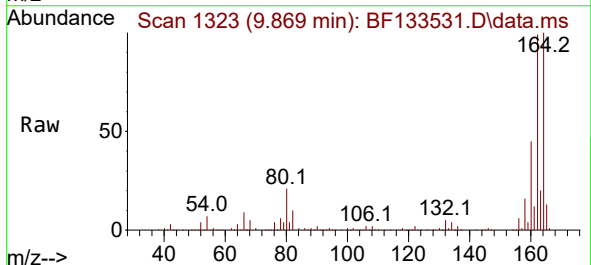
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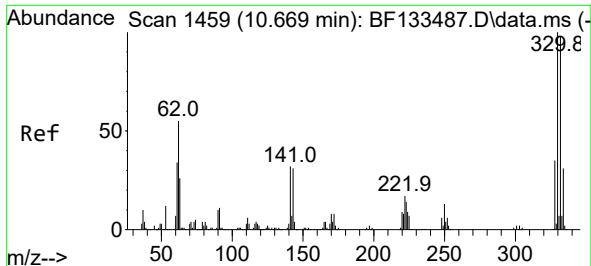
Tgt Ion:122 Resp: 160
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 64.1 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:164 Resp: 252408
Ion Ratio Lower Upper
164 100
162 99.4 79.7 119.5
160 44.9 35.4 53.0

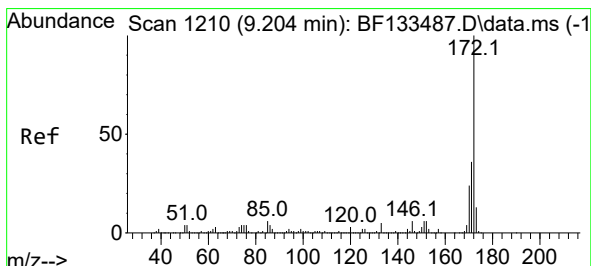
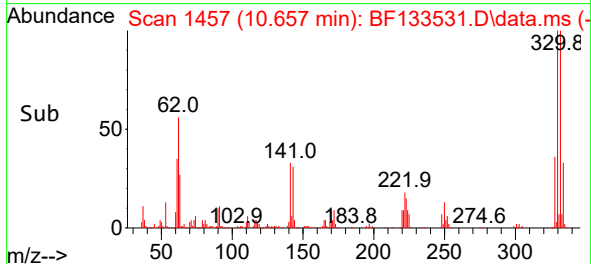
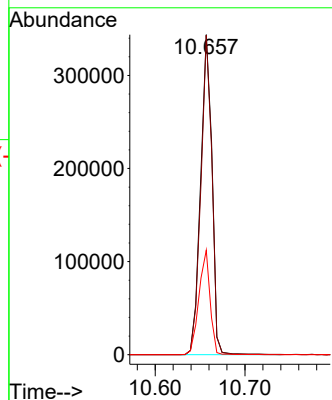
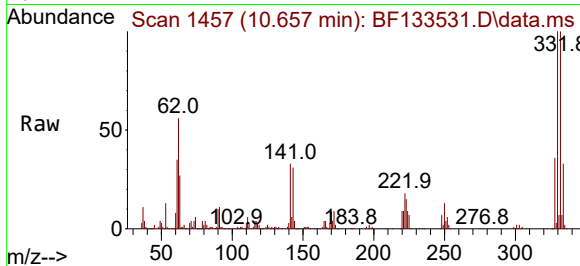




#42
2,4,6-Tribromophenol
Concen: 119.846 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

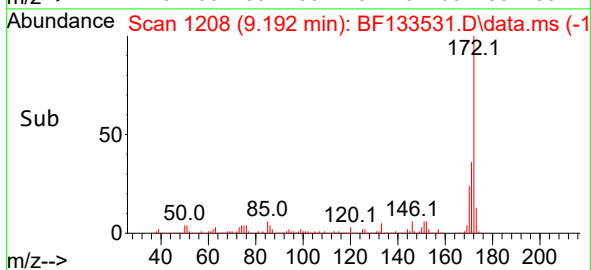
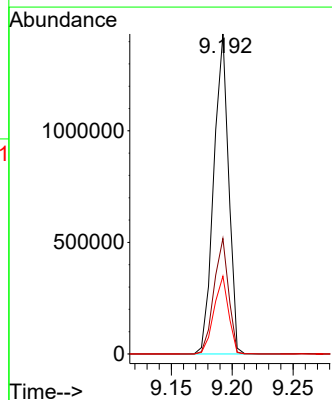
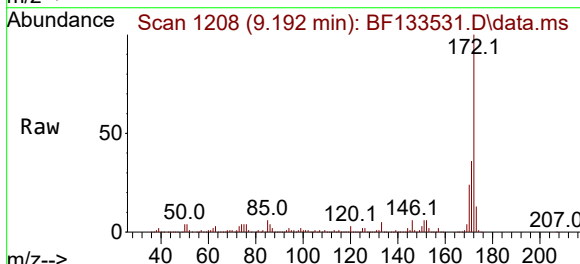
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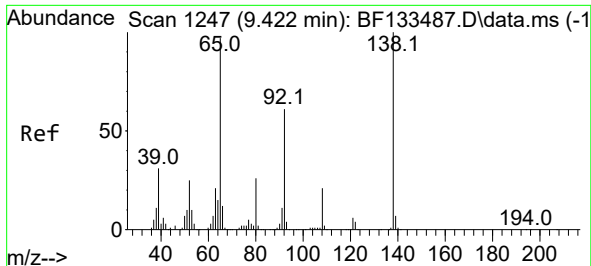
Tgt Ion:330 Resp: 301538
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.6
141 32.3 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 74.650 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:172 Resp: 1220800
Ion Ratio Lower Upper
172 100
171 36.1 28.4 42.6
170 24.3 19.3 28.9

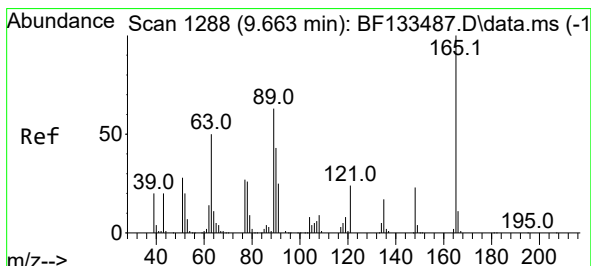
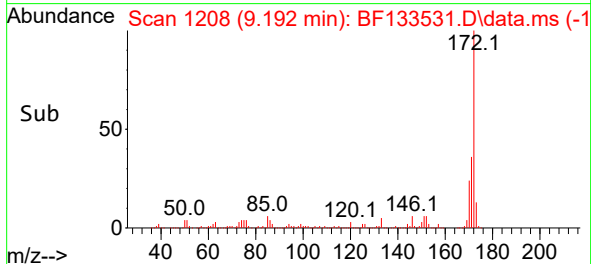
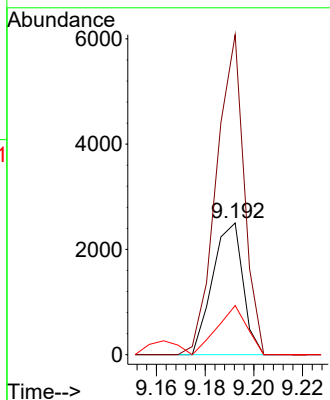
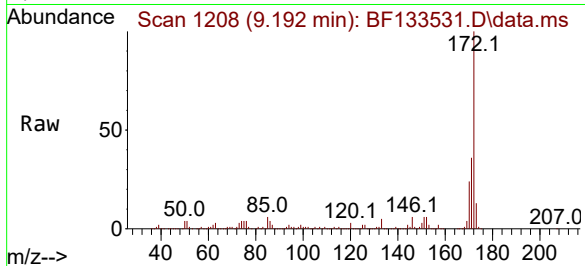




#48
2-Nitroaniline
Concen: 4.407 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

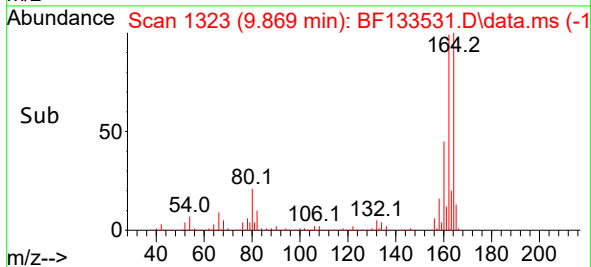
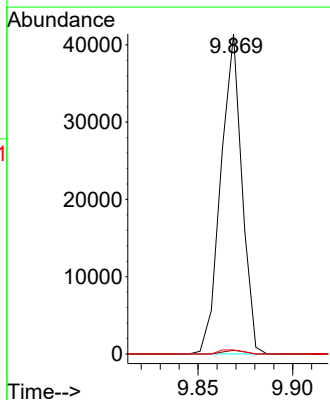
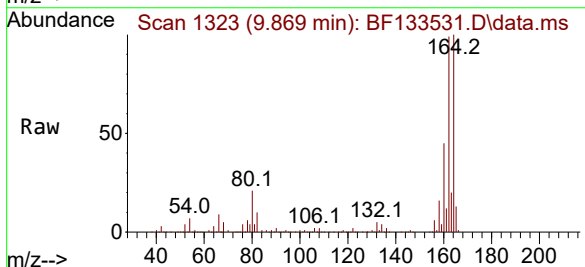
Instrument :
BNA_F
ClientSampleId :
WC25

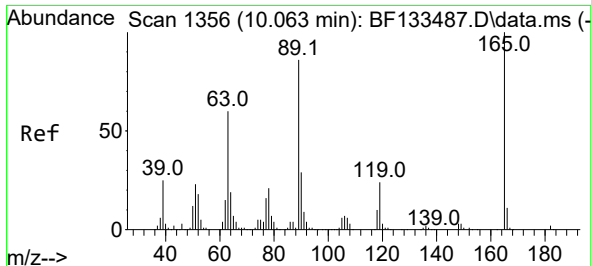
Tgt Ion: 65 Resp: 2165
Ion Ratio Lower Upper
65 100
92 242.9 50.8 76.2#
138 37.4 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.469 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:165 Resp: 32098
Ion Ratio Lower Upper
165 100
63 1.1 57.0 85.4#
89 1.3 50.8 76.2#

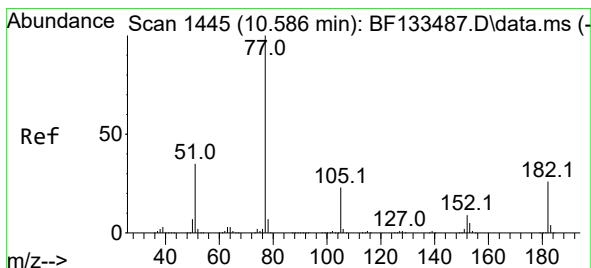
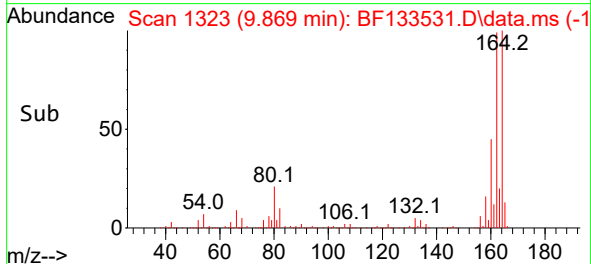
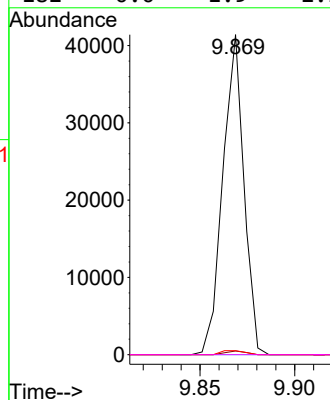
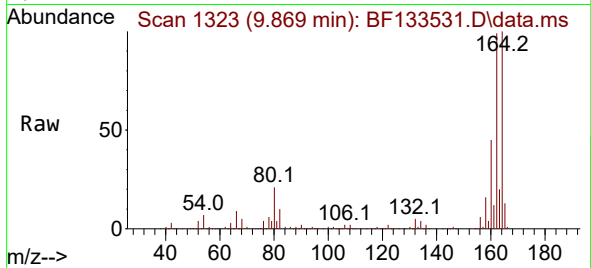




#57
2,4-Dinitrotoluene
Concen: 11.655 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

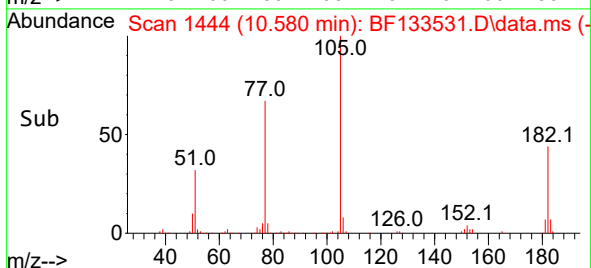
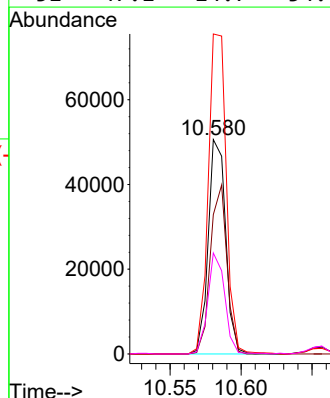
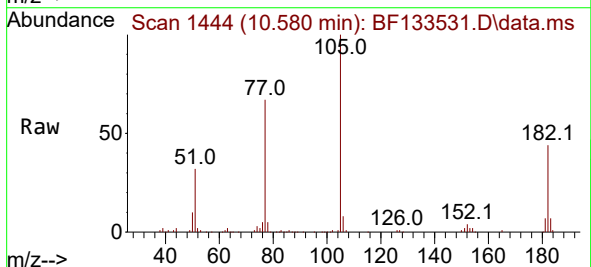
Instrument :
BNA_F
ClientSampleId :
WC25

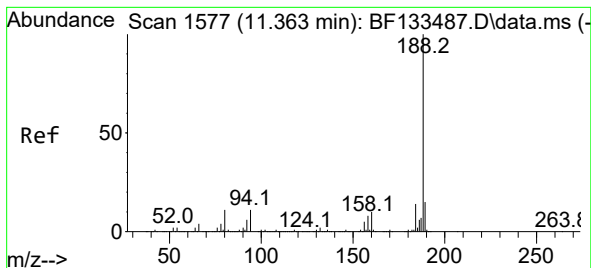
Tgt Ion:165 Resp: 32098
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.336 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion: 77 Resp: 43054
Ion Ratio Lower Upper
77 100
182 65.0 5.6 45.6#
105 149.2 2.6 42.6#
51 47.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133531.D

Acq: 30 May 2023 19:56

Instrument :

BNA_F

ClientSampleId :

WC25

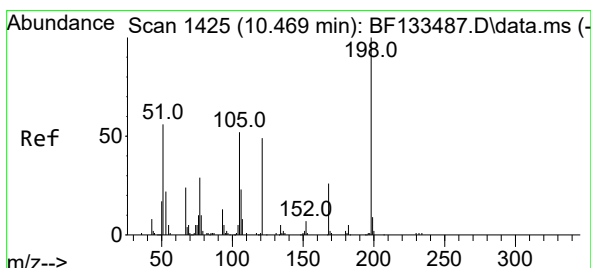
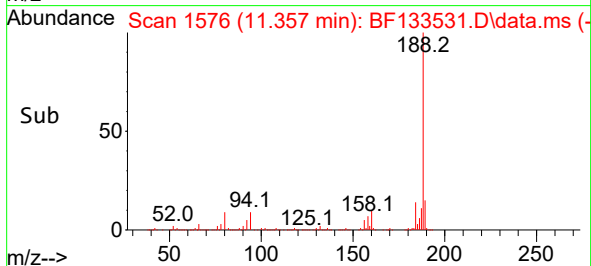
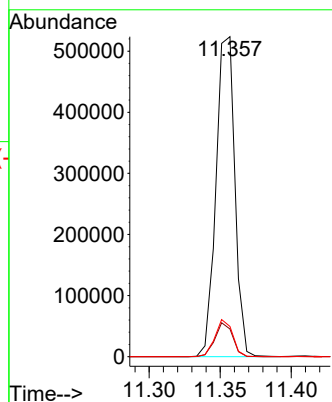
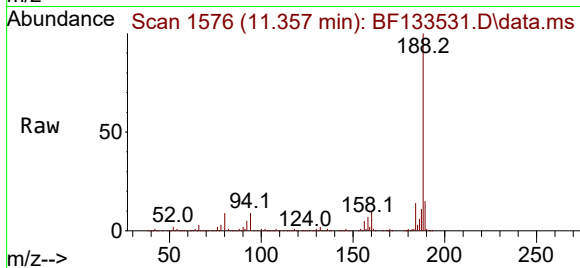
Tgt Ion:188 Resp: 484131

Ion Ratio Lower Upper

188 100

94 8.6 8.6 12.8

80 9.4 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.998 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133531.D

Acq: 30 May 2023 19:56

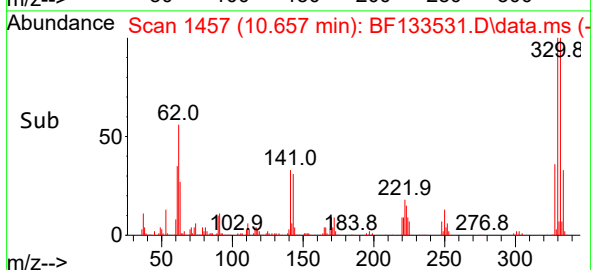
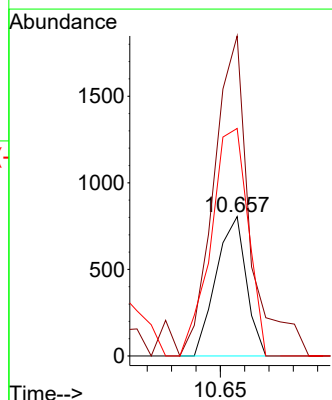
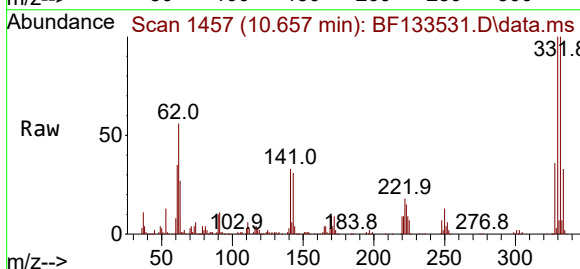
Tgt Ion:198 Resp: 693

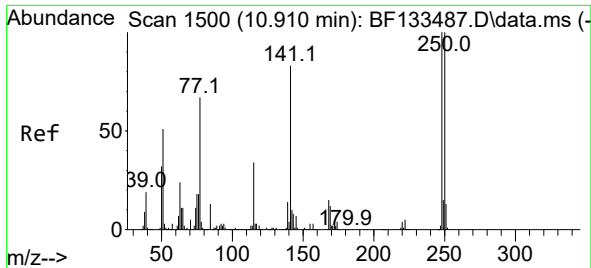
Ion Ratio Lower Upper

198 100

51 229.6 53.6 93.6#

105 163.2 35.9 75.9#

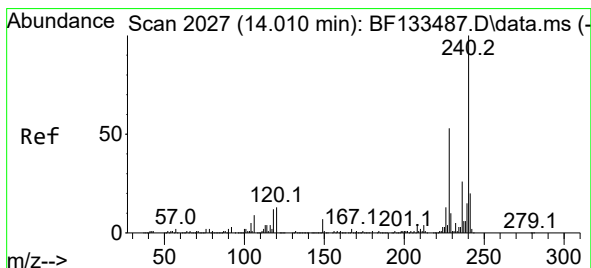
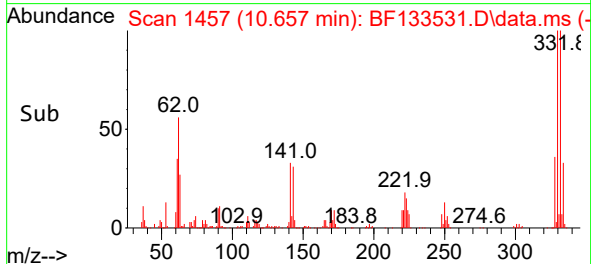
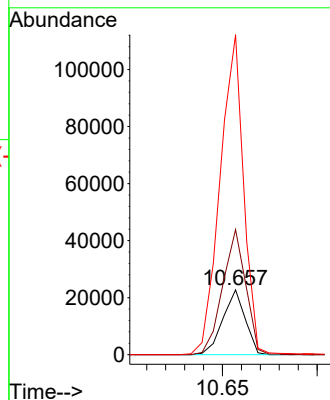
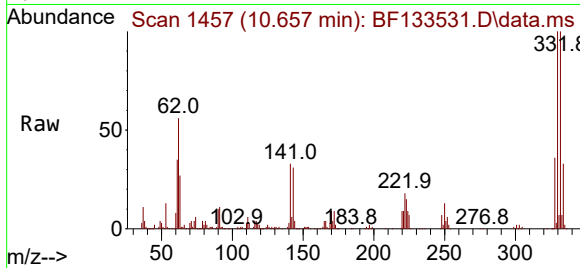




#67
4-Bromophenyl-phenylether
Concen: 3.636 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

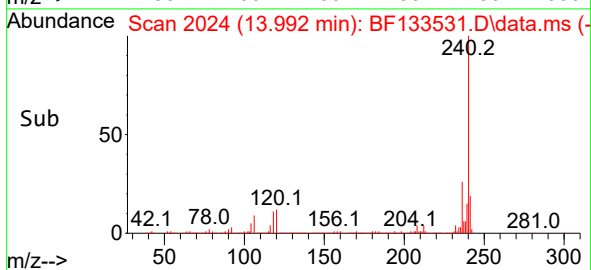
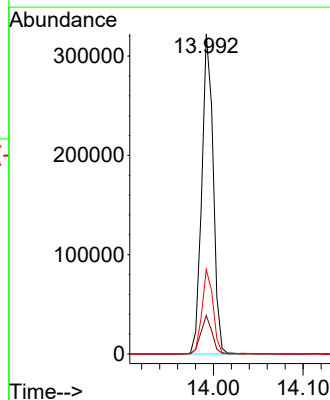
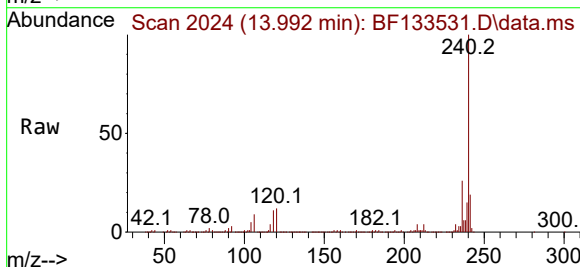
Instrument :
BNA_F
ClientSampleId :
WC25

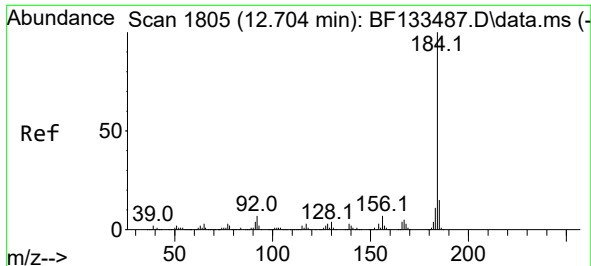
Tgt Ion:248 Resp: 18696
Ion Ratio Lower Upper
248 100
250 192.9 79.7 119.5#
141 493.4 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:240 Resp: 284274
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 26.4 20.5 30.7

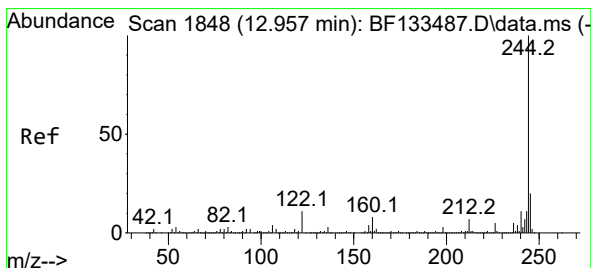
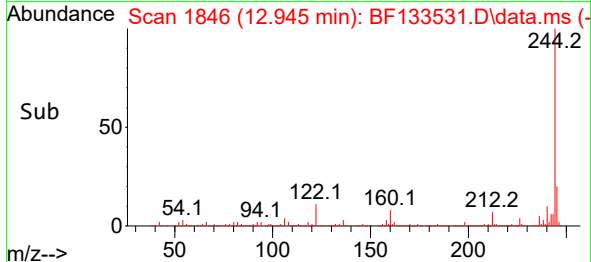
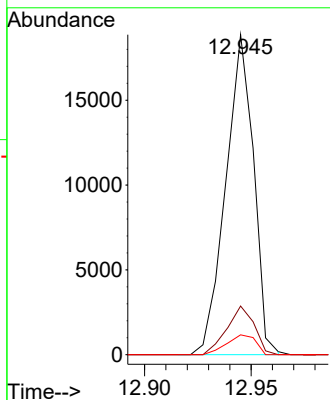
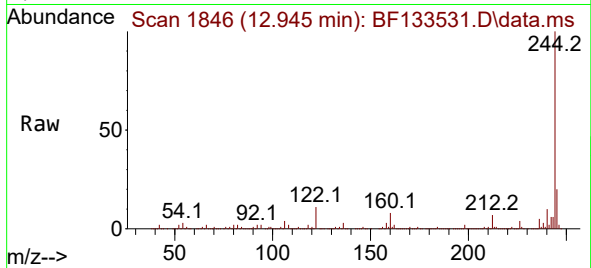




#77
Benzidine
Concen: 2.060 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

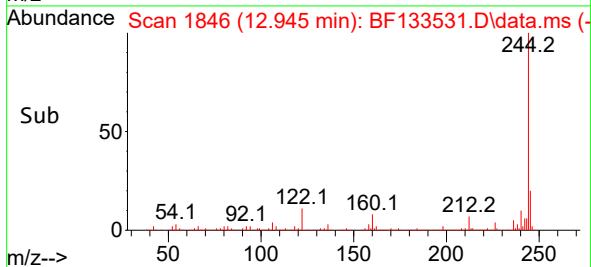
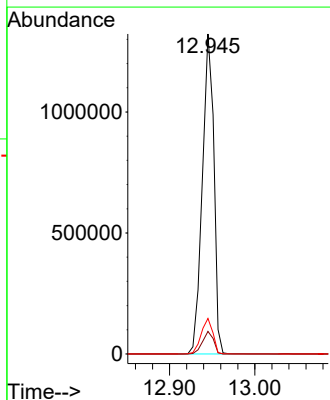
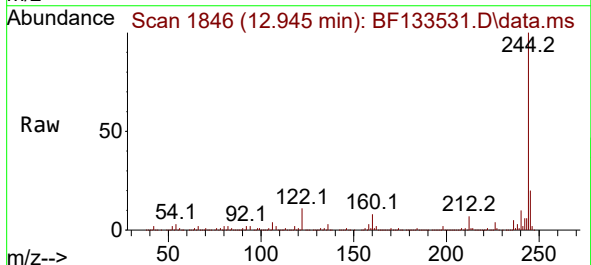
Instrument :
BNA_F
ClientSampleId :
WC25

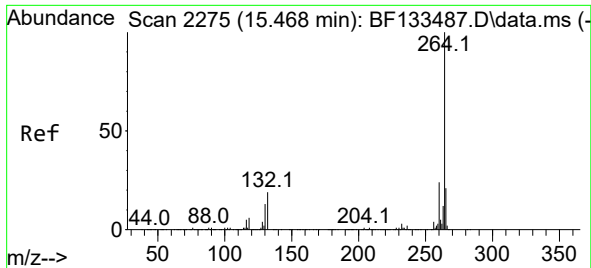
Tgt Ion:184 Resp: 17126
Ion Ratio Lower Upper
184 100
185 15.2 12.2 18.2
183 6.2 8.7 13.1#



#79
Terphenyl-d14
Concen: 77.509 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF133531.D
Acq: 30 May 2023 19:56

Tgt Ion:244 Resp: 1239258
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 11.1 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133531.D
 Acq: 30 May 2023 19:56

Instrument :
 BNA_F
 ClientSampleId :
 WC25

Tgt Ion:264 Resp: 293009
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.2 16.8 25.2

