

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133465.D
 Acq On : 24 May 2023 12:16
 Operator : CG\JU
 Sample : 02886-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 24 13:01:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 02:41:39 2023
 Response via : Initial Calibration

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

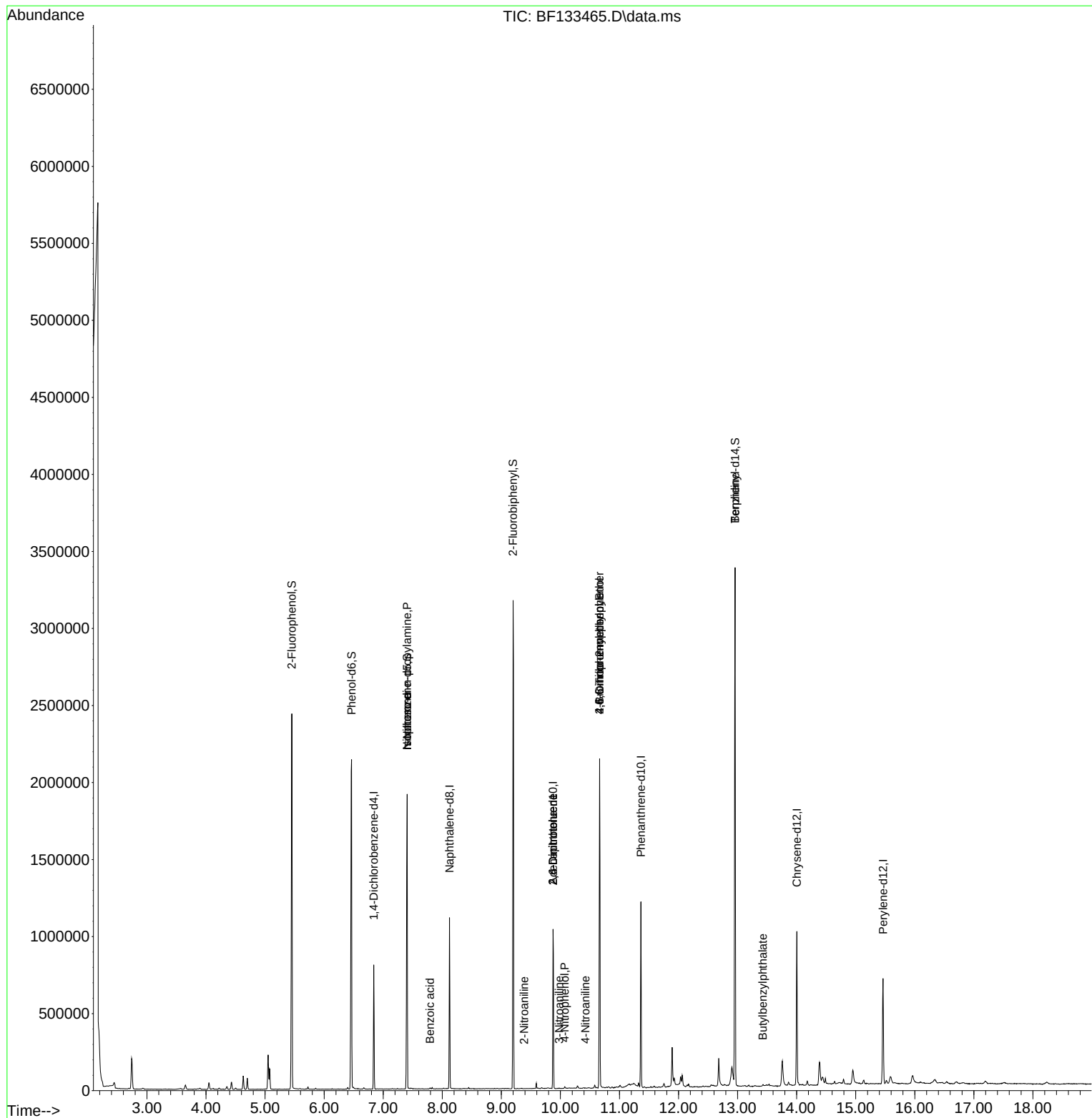
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	101062	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	389855	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	190437	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	378211	20.000	ng	0.00
76) Chrysene-d12	14.004	240	303994	20.000	ng	0.00
86) Perylene-d12	15.463	264	293026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	636900	103.016	ng	0.00
7) Phenol-d6	6.463	99	719909	96.863	ng	0.00
23) Nitrobenzene-d5	7.404	82	512206	90.833	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	235702	133.984	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	936061	69.155	ng	0.00
79) Terphenyl-d14	12.957	244	1146806	72.126	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	71314	15.332	ng	# 79
25) Isophorone	7.404	82	512197	38.601	ng	# 66
32) Benzoic acid	7.793	122	1239	6.756	ng	# 84
48) 2-Nitroaniline	9.387	65	56	5.500	ng	# 8
51) 2,6-Dinitrotoluene	9.875	165	25451	13.804	ng	# 16
53) 3-Nitroaniline	9.981	138	170	3.675	ng	# 4
56) 4-Nitrophenol	10.075	139	58	5.302	ng	# 62
57) 2,4-Dinitrotoluene	9.875	165	25451	13.032	ng	# 17
62) 4-Nitroaniline	10.422	138	128	3.904	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.663	198	582	8.625	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	14584	3.677	ng	# 1
77) Benzidine	12.957	184	16997	2.346	ng	# 96
80) Butylbenzylphthalate	13.427	149	2472	3.618	ng	94

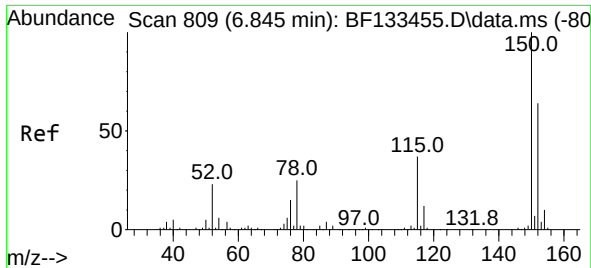
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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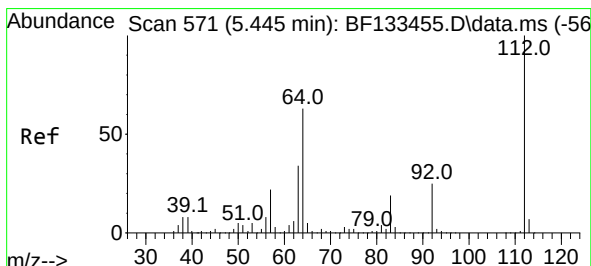
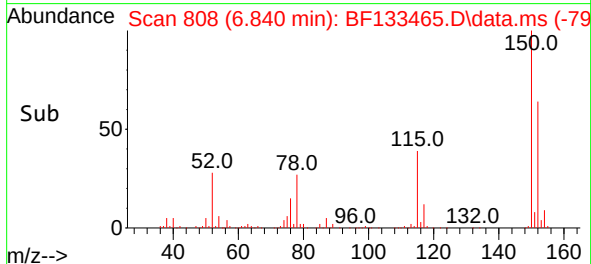
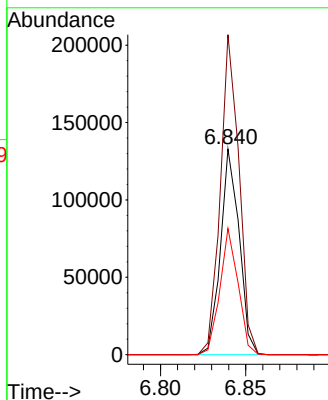
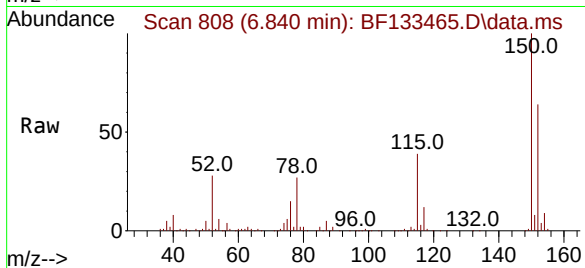




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 809
 Delta R.T. -0.005 min
 Lab File: BF133465.D
 Acq: 24 May 2023 12:16

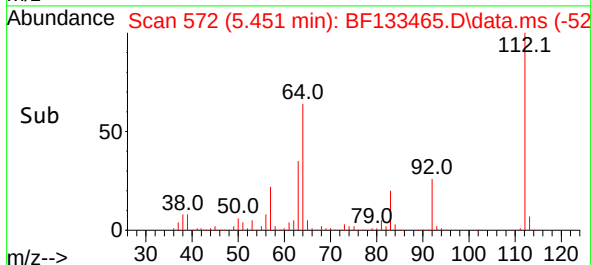
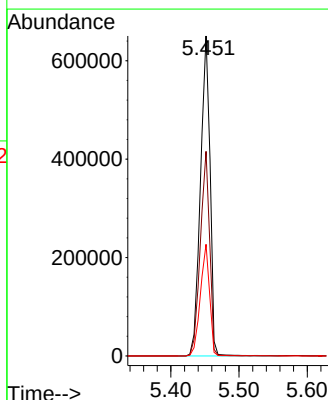
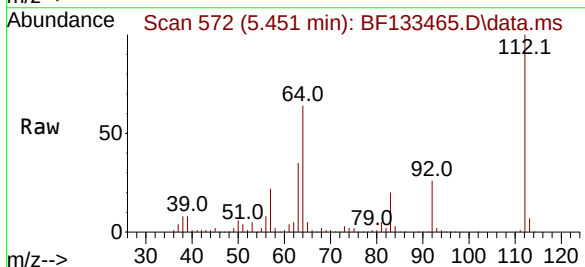
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

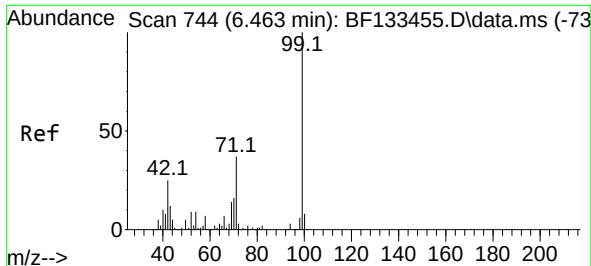
Tgt Ion:152 Resp: 101062
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.6 188.4
 115 61.4 47.0 70.4



#5
 2-Fluorophenol
 Concen: 103.016 ng
 RT: 5.451 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: BF133465.D
 Acq: 24 May 2023 12:16

Tgt Ion:112 Resp: 636900
 Ion Ratio Lower Upper
 112 100
 64 64.0 50.2 75.4
 63 34.9 27.2 40.8

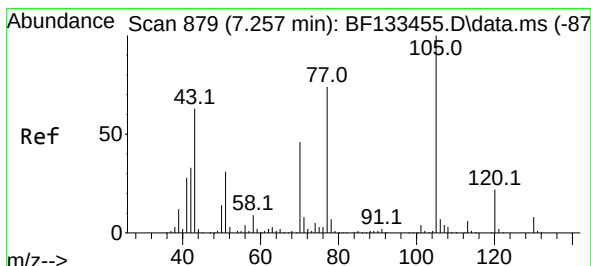
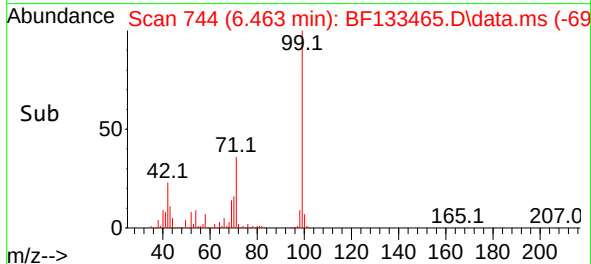
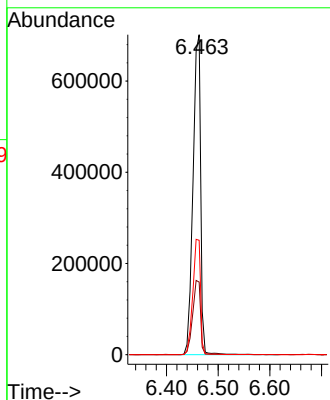
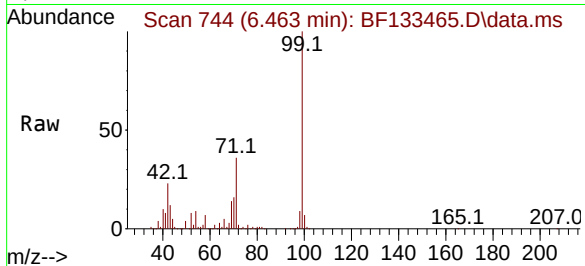




#7
Phenol-d6
Concen: 96.863 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

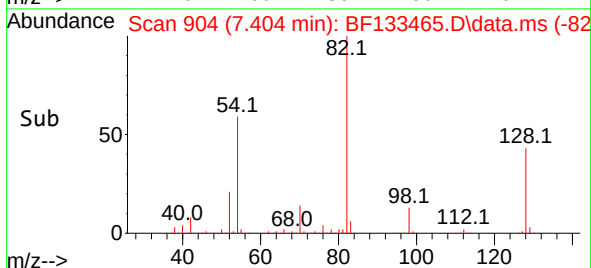
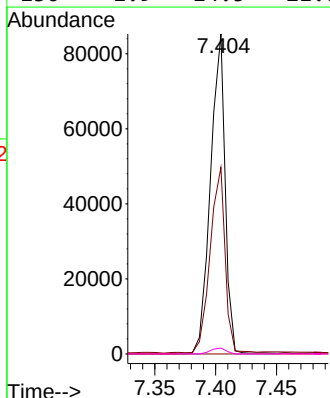
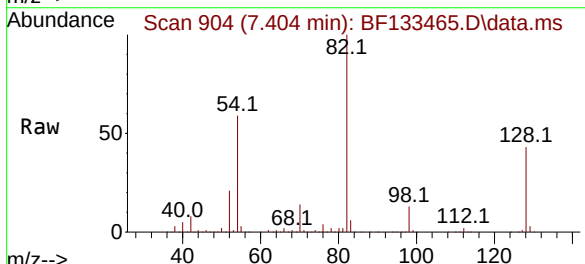
Instrument :
BNA_F
ClientSampleId :
WC-1

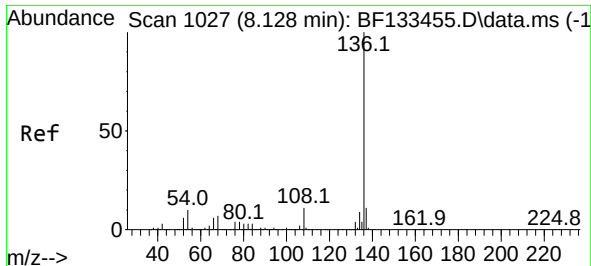
Tgt Ion: 99 Resp: 719909
Ion Ratio Lower Upper
99 100
42 22.7 19.6 29.4
71 35.7 29.5 44.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.332 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Tgt Ion: 70 Resp: 71314
Ion Ratio Lower Upper
70 100
42 58.3 57.7 86.5
101 0.0 7.6 11.4#
130 1.9 14.5 21.7#

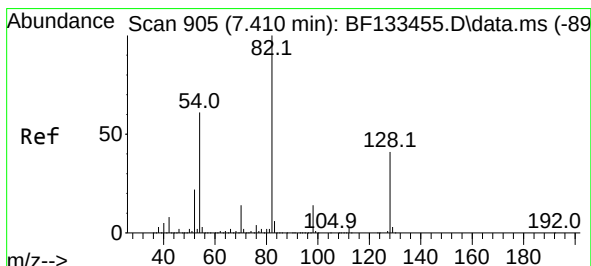
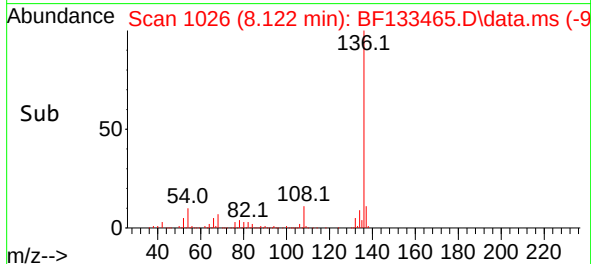
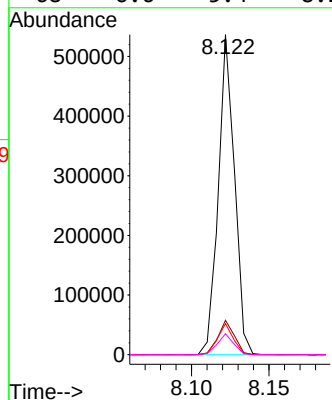
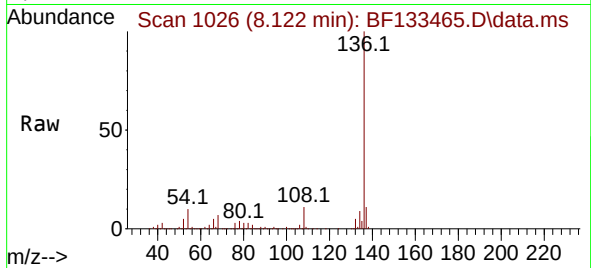




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

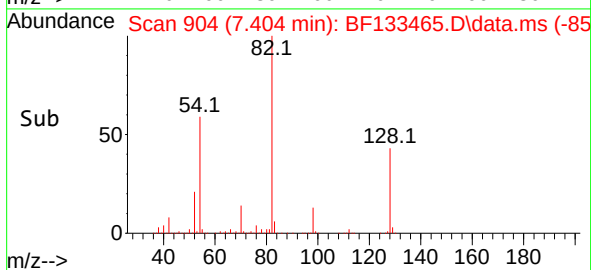
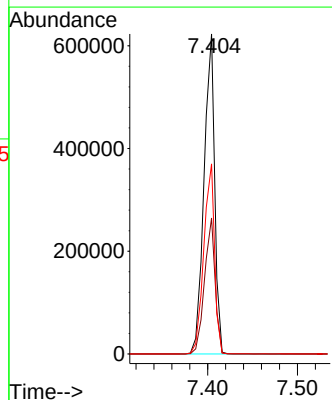
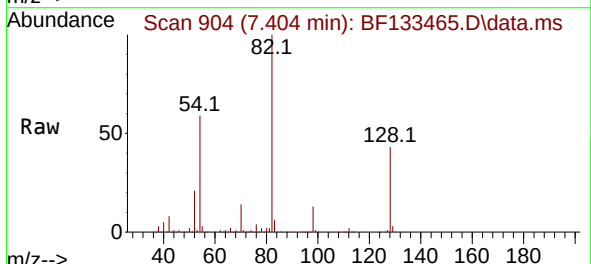
Instrument :
BNA_F
ClientSampleId :
WC-1

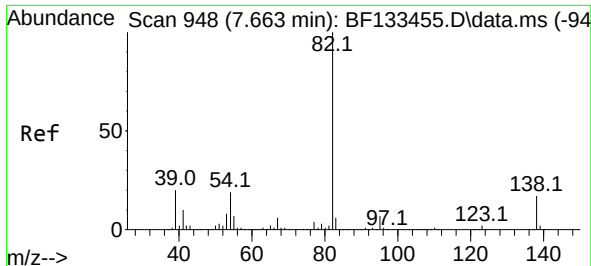
Tgt Ion:	136	Resp:	389855
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	9.7	8.0	12.0
68	6.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 90.833 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Tgt Ion:	82	Resp:	512206
Ion Ratio	Lower	Upper	
82	100		
128	42.5	33.0	49.6
54	59.4	48.5	72.7

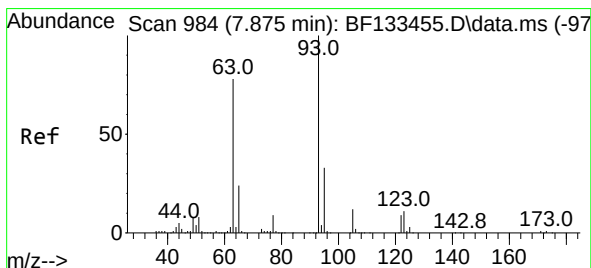
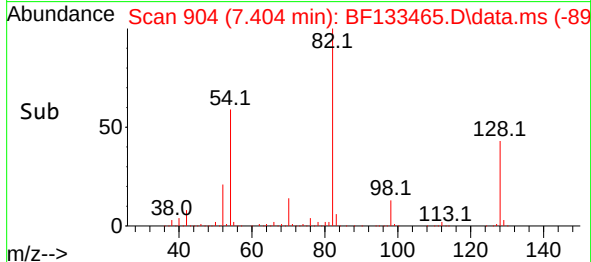
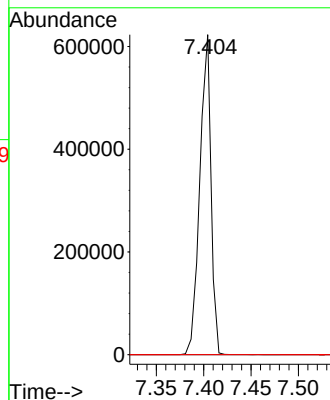
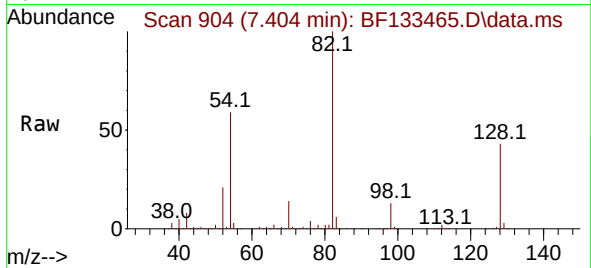




#25
Isophorone
Concen: 38.601 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

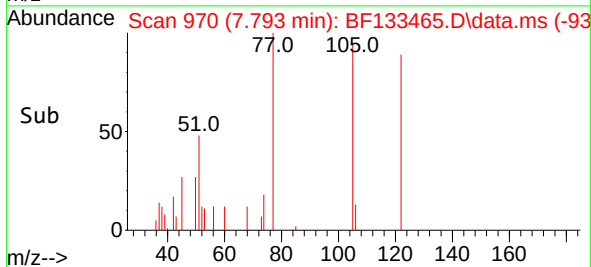
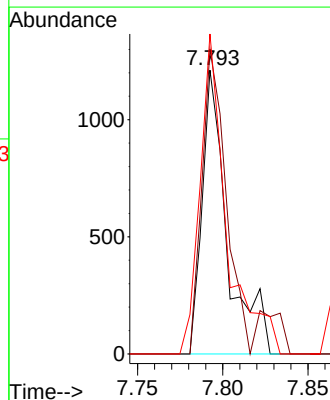
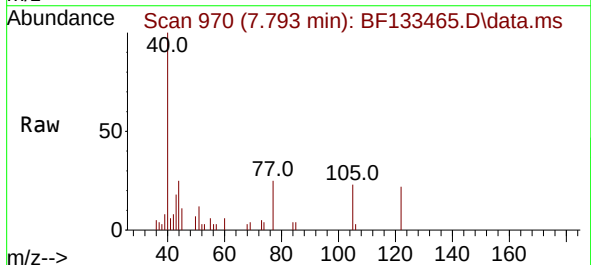
Instrument :
BNA_F
ClientSampleId :
WC-1

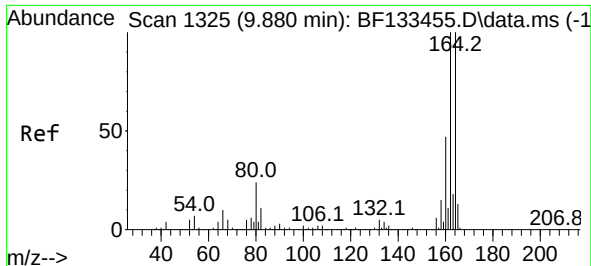
Tgt Ion: 82 Resp: 512197
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.5 20.3#



#32
Benzoic acid
Concen: 6.756 ng
RT: 7.793 min Scan# 970
Delta R.T. -0.082 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Tgt Ion: 122 Resp: 1239
Ion Ratio Lower Upper
122 100
105 107.3 111.2 151.2#
77 112.7 82.0 122.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

Instrument :

BNA_F

ClientSampleId :

WC-1

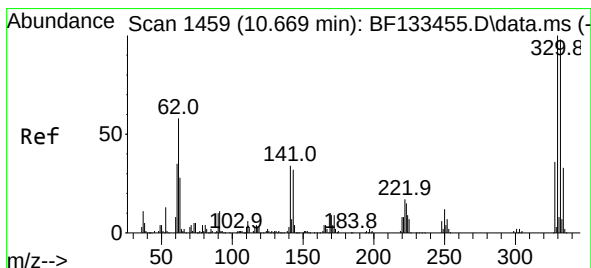
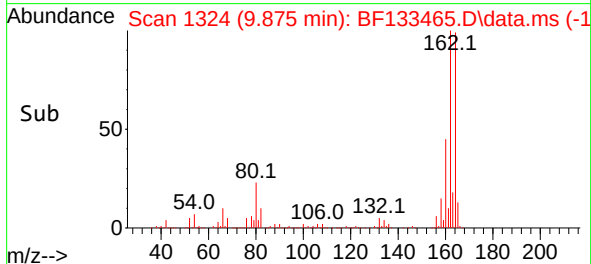
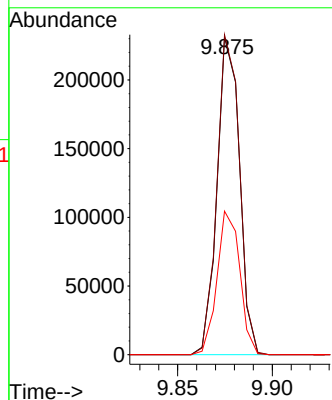
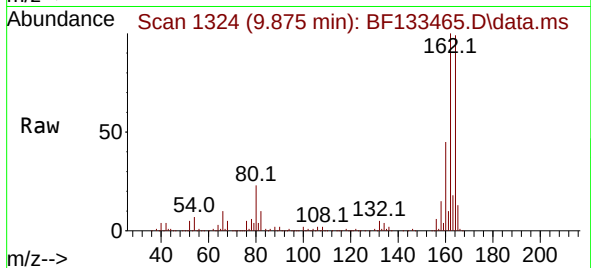
Tgt Ion:164 Resp: 190437

Ion Ratio Lower Upper

164 100

162 100.8 79.8 119.6

160 45.2 37.4 56.0



#42

2,4,6-Tribromophenol

Concen: 133.984 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

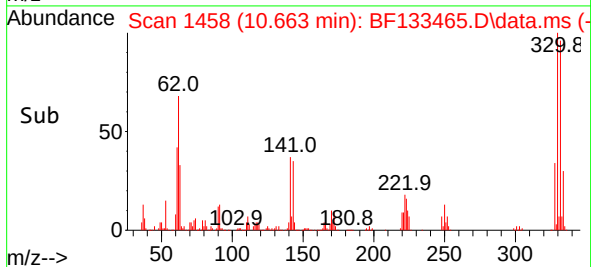
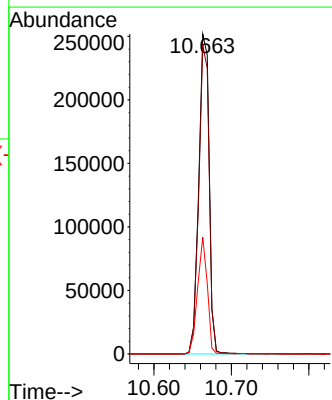
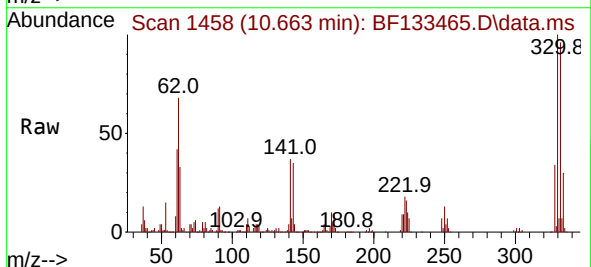
Tgt Ion:330 Resp: 235702

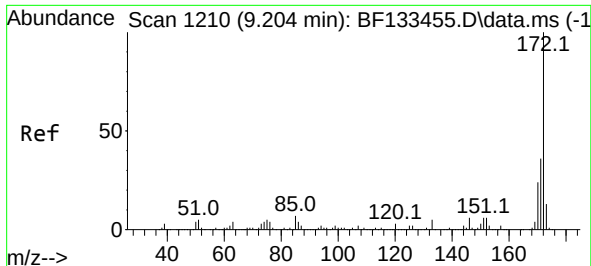
Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 34.0 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 69.155 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

Instrument :

BNA_F

ClientSampleId :

WC-1

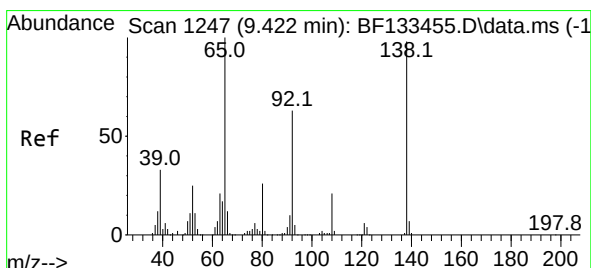
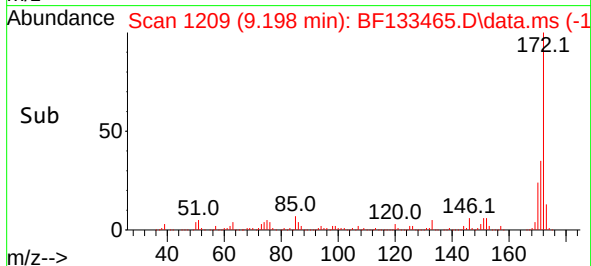
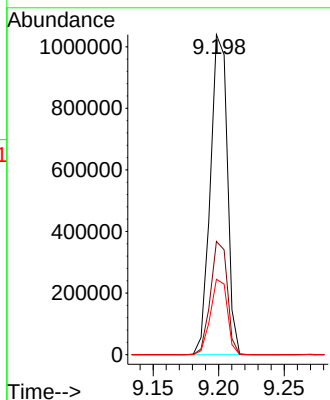
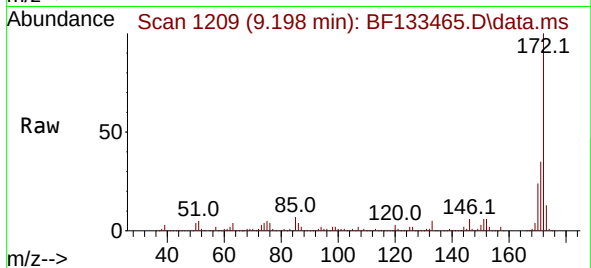
Tgt Ion:172 Resp: 936061

Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.5 19.0 28.4



#48

2-Nitroaniline

Concen: 5.500 ng

RT: 9.387 min Scan# 1241

Delta R.T. -0.035 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

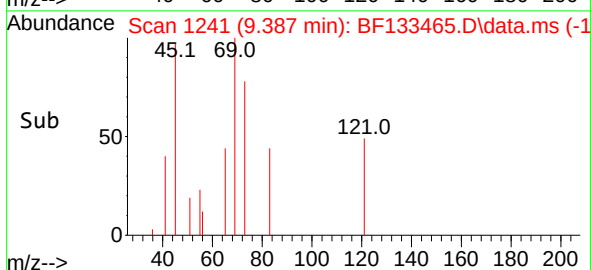
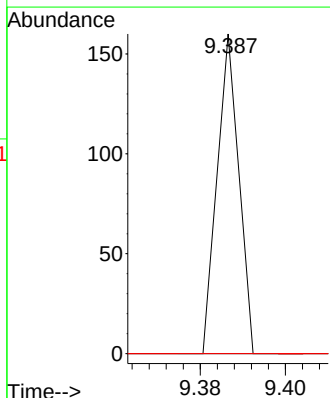
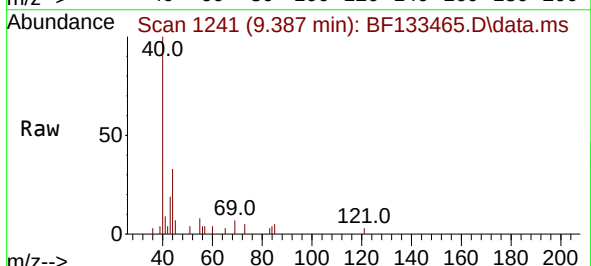
Tgt Ion: 65 Resp: 56

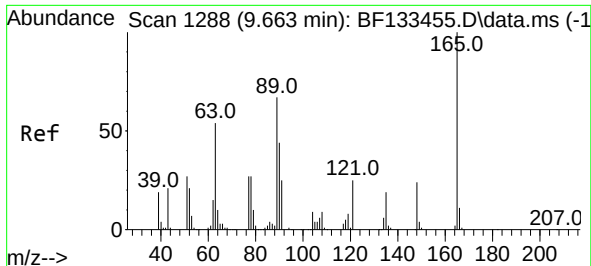
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 78.6 118.0#





#51

2,6-Dinitrotoluene

Concen: 13.804 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

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WC-1

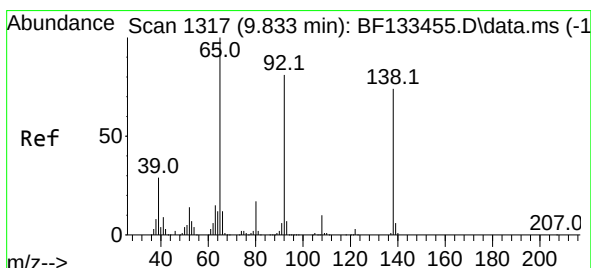
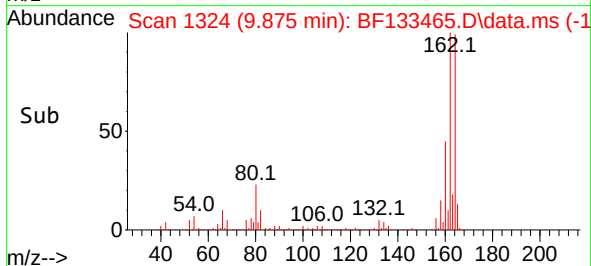
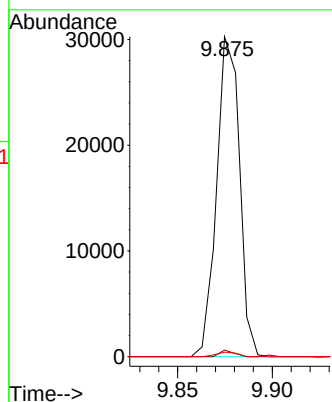
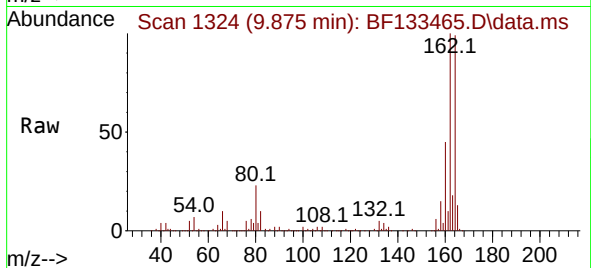
Tgt Ion:165 Resp: 25451

Ion Ratio Lower Upper

165 100

63 2.0 61.0 91.4#

89 1.4 53.5 80.3#



#53

3-Nitroaniline

Concen: 3.675 ng

RT: 9.981 min Scan# 1342

Delta R.T. 0.148 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

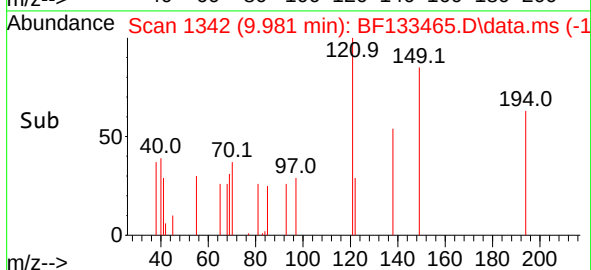
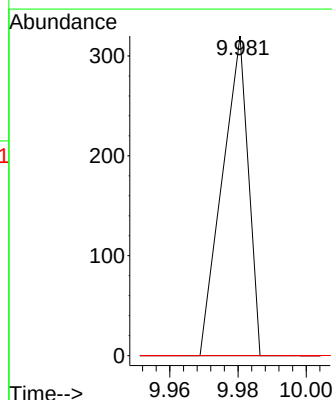
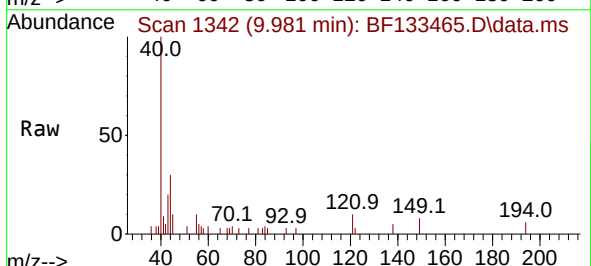
Tgt Ion:138 Resp: 170

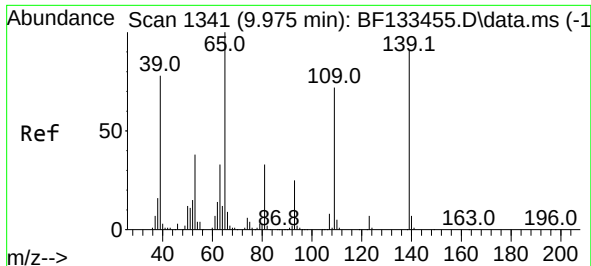
Ion Ratio Lower Upper

138 100

108 0.0 11.4 17.0#

92 0.0 88.4 132.6#

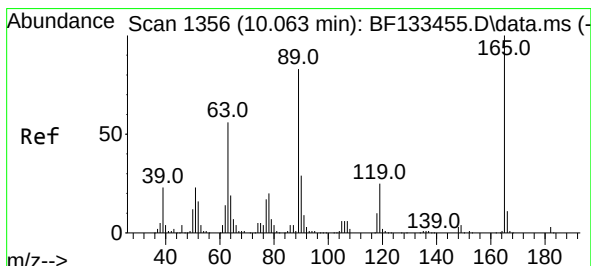
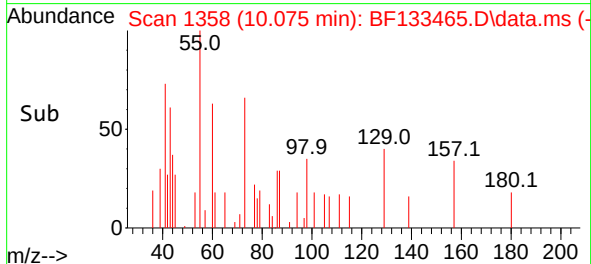
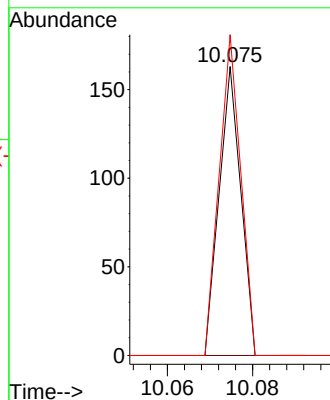
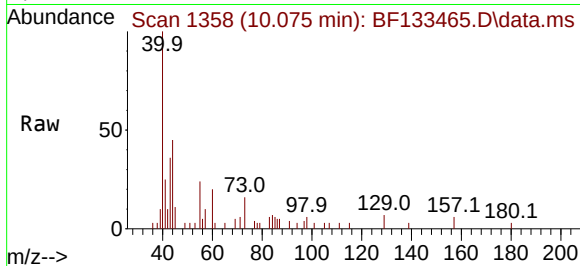




#56
4-Nitrophenol
Concen: 5.302 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

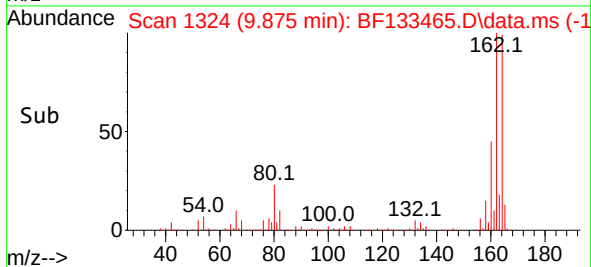
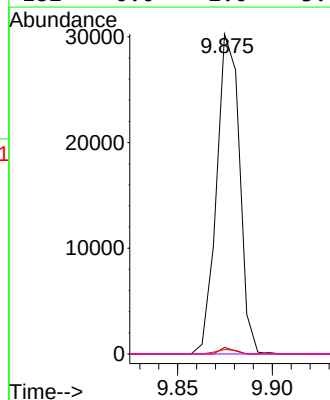
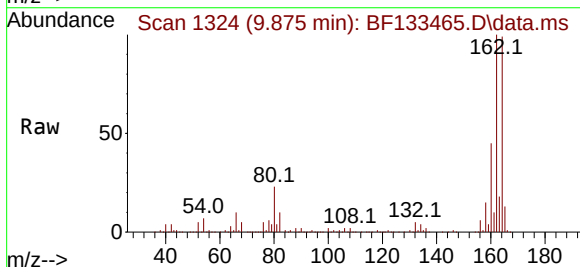
Instrument :
BNA_F
ClientSampleId :
WC-1

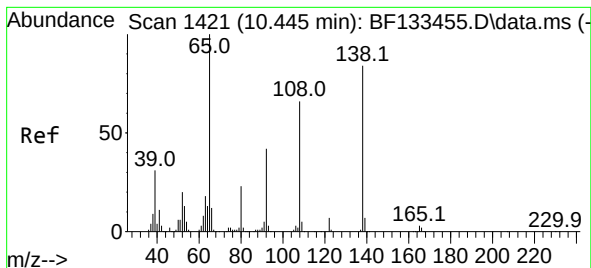
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 59.5 99.5#
65 111.0 90.1 130.1



#57
2,4-Dinitrotoluene
Concen: 13.032 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Tgt Ion:165 Resp: 25451
Ion Ratio Lower Upper
165 100
63 2.0 45.1 67.7#
89 1.4 66.7 100.1#
182 0.0 2.0 3.0#

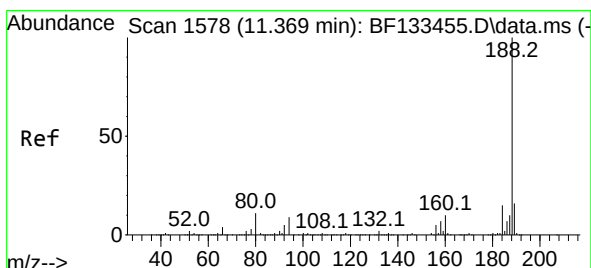
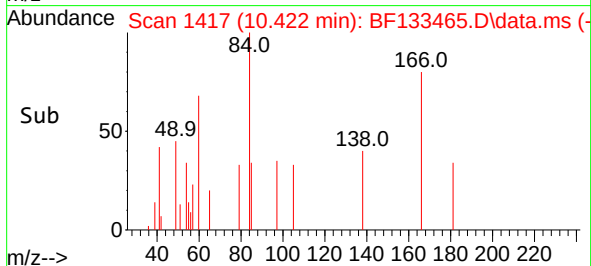
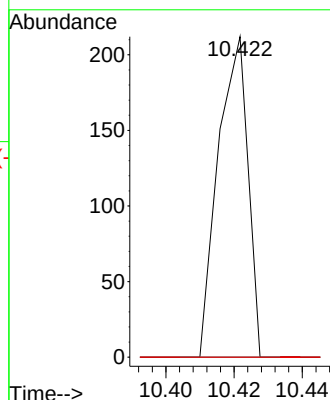
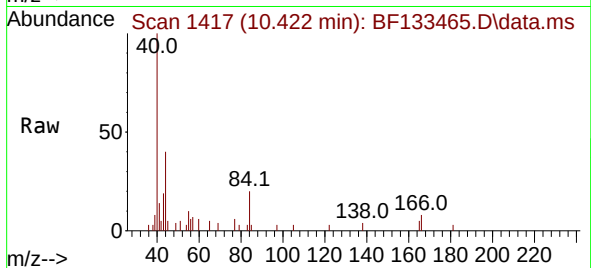




#62
4-Nitroaniline
Concen: 3.904 ng
RT: 10.422 min Scan# 1421
Delta R.T. -0.023 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

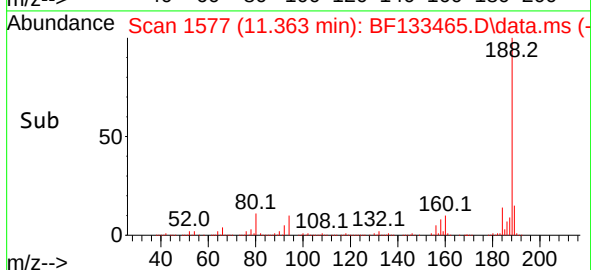
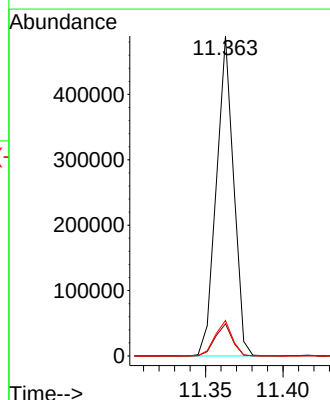
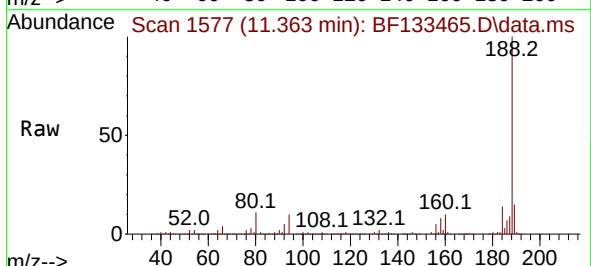
Instrument :
BNA_F
ClientSampleId :
WC-1

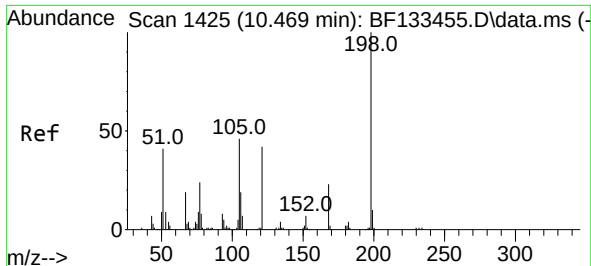
Tgt Ion:138 Resp: 128
Ion Ratio Lower Upper
138 100
92 0.0 29.2 69.2#
108 0.0 58.4 98.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Tgt Ion:188 Resp: 378211
Ion Ratio Lower Upper
188 100
94 10.0 7.5 11.3
80 11.1 8.7 13.1





#65

4,6-Dinitro-2-methylphenol

Concen: 8.625 ng

RT: 10.663 min Scan# 14

Delta R.T. 0.194 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

Instrument :

BNA_F

ClientSampleId :

WC-1

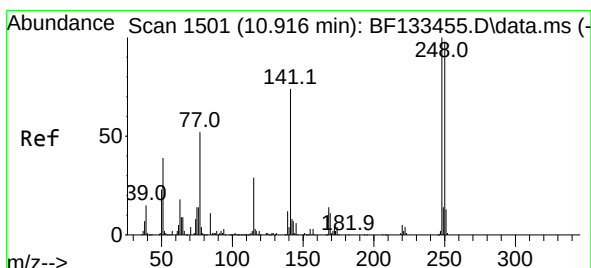
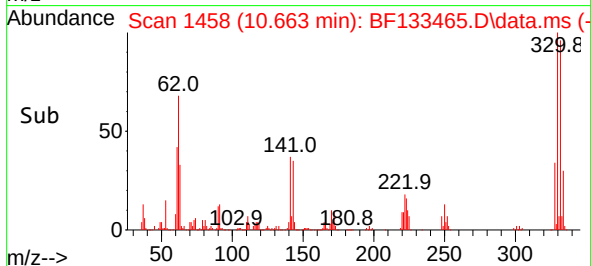
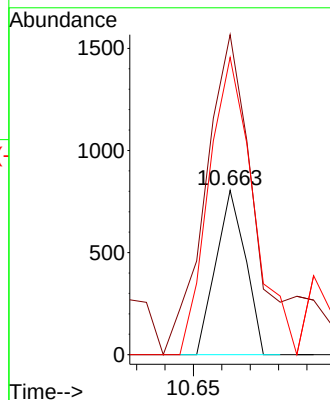
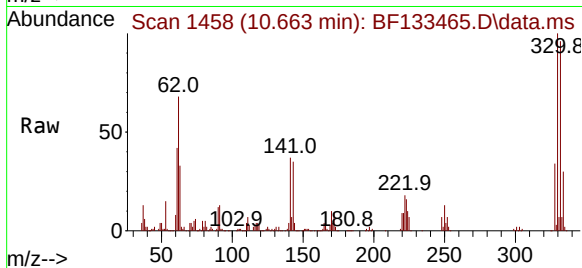
Tgt Ion:198 Resp: 582

Ion Ratio Lower Upper

198 100

51 194.7 38.5 78.5#

105 180.9 29.6 69.6#



#67

4-Bromophenyl-phenylether

Concen: 3.677 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.253 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

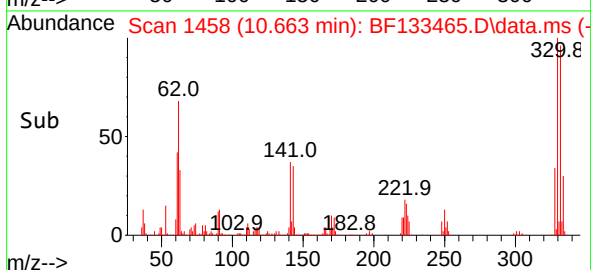
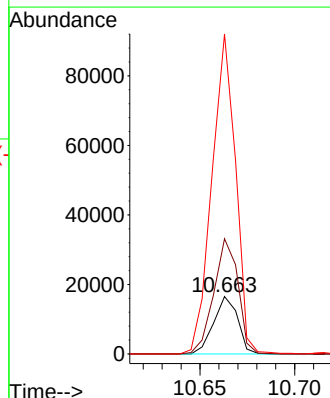
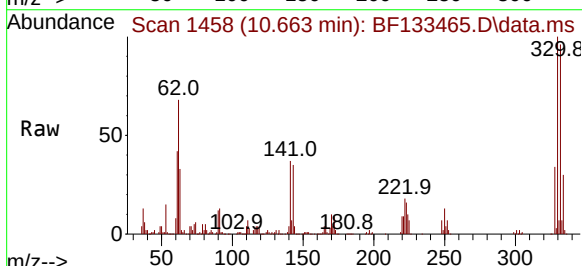
Tgt Ion:248 Resp: 14584

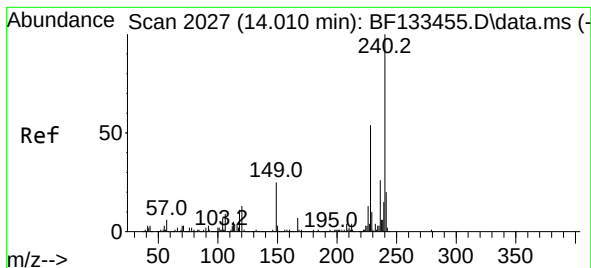
Ion Ratio Lower Upper

248 100

250 200.5 78.3 117.5#

141 557.0 59.1 88.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

Instrument :

BNA_F

ClientSampleId :

WC-1

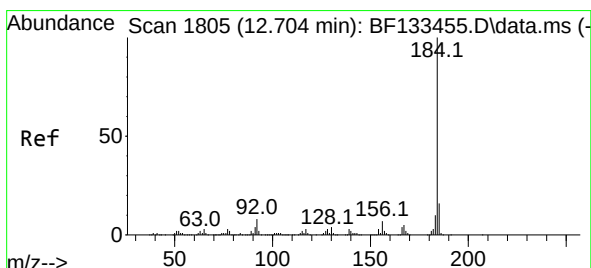
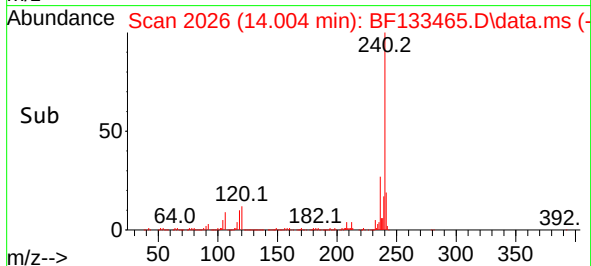
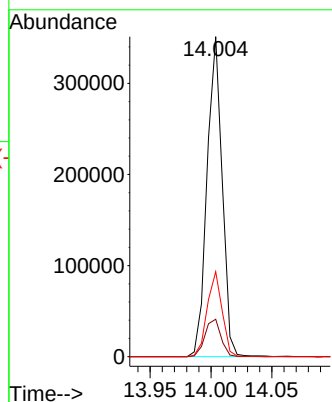
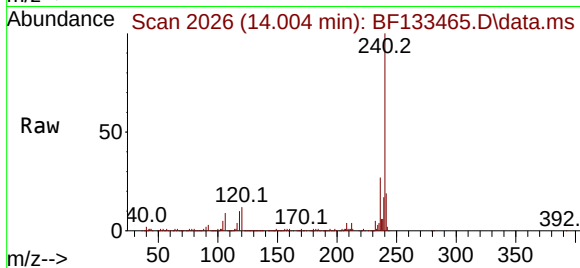
Tgt Ion:240 Resp: 303994

Ion Ratio Lower Upper

240 100

120 11.7 10.2 15.4

236 26.6 20.9 31.3



#77

Benzidine

Concen: 2.346 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133465.D

Acq: 24 May 2023 12:16

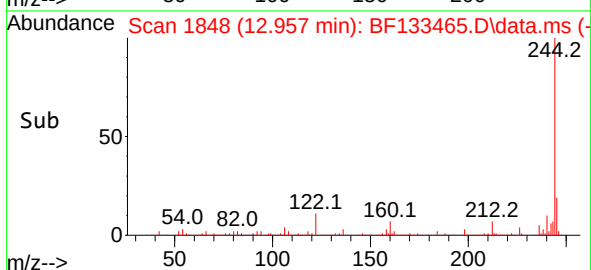
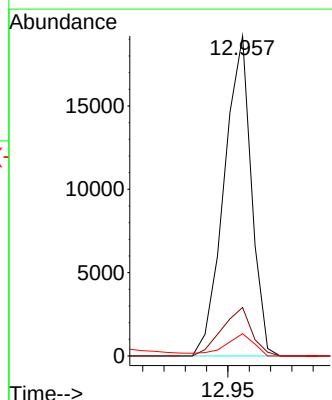
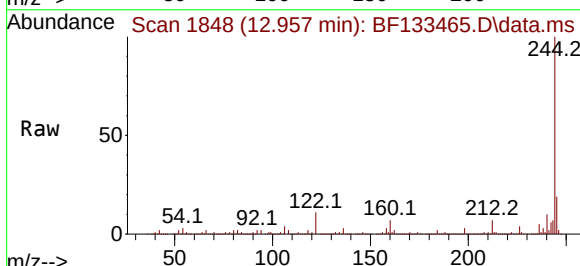
Tgt Ion:184 Resp: 16997

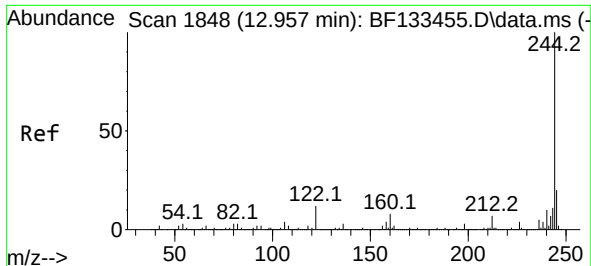
Ion Ratio Lower Upper

184 100

185 15.1 12.6 19.0

183 6.9 8.2 12.2#

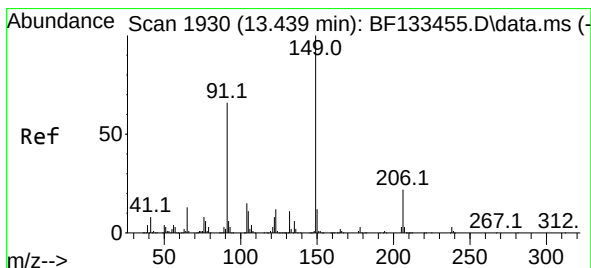
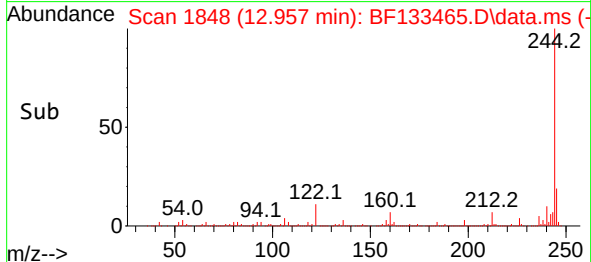
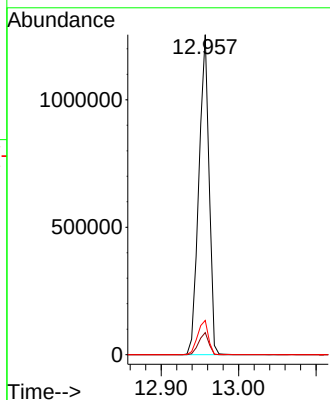
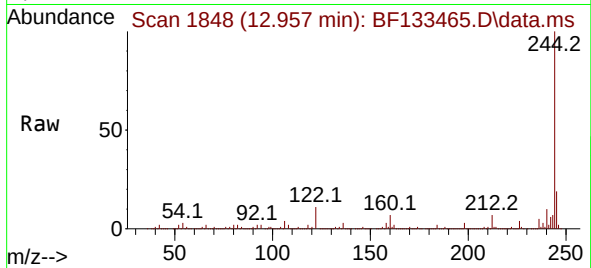




#79
 Terphenyl-d14
 Concen: 72.126 ng
 RT: 12.957 min Scan# 1146806
 Delta R.T. 0.000 min
 Lab File: BF133465.D
 Acq: 24 May 2023 12:16

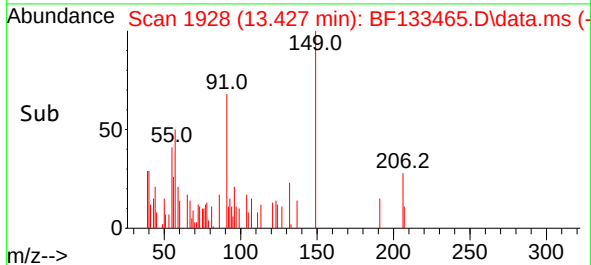
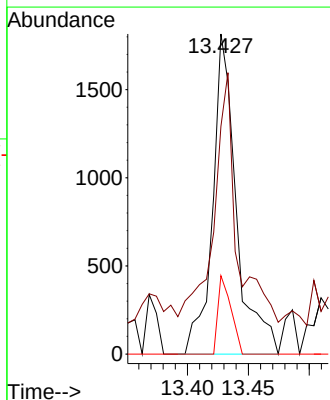
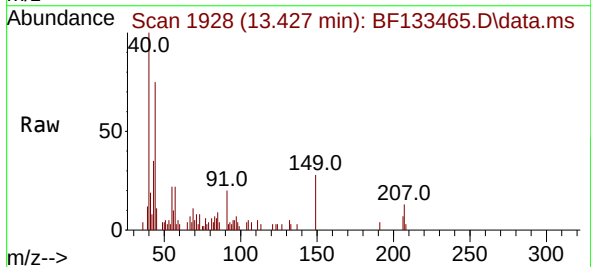
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

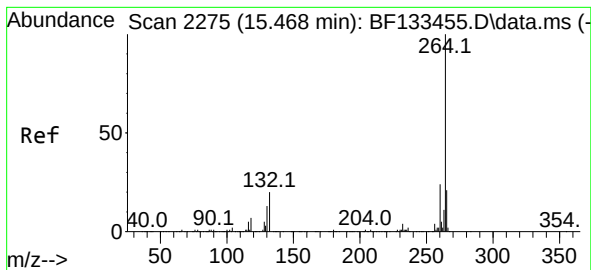
Tgt Ion:244 Resp: 1146806
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.7 9.4 14.0



#80
 Butylbenzylphthalate
 Concen: 3.618 ng
 RT: 13.427 min Scan# 1928
 Delta R.T. -0.012 min
 Lab File: BF133465.D
 Acq: 24 May 2023 12:16

Tgt Ion:149 Resp: 2472
 Ion Ratio Lower Upper
 149 100
 91 71.1 53.1 79.7
 206 24.4 17.4 26.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133465.D
Acq: 24 May 2023 12:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:264 Resp: 293026
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 21.9 17.0 25.4

