

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133474.D
 Acq On : 24 May 2023 16:57
 Operator : CG\JU
 Sample : 02894-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40A

Quant Time: May 24 17:48:53 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)

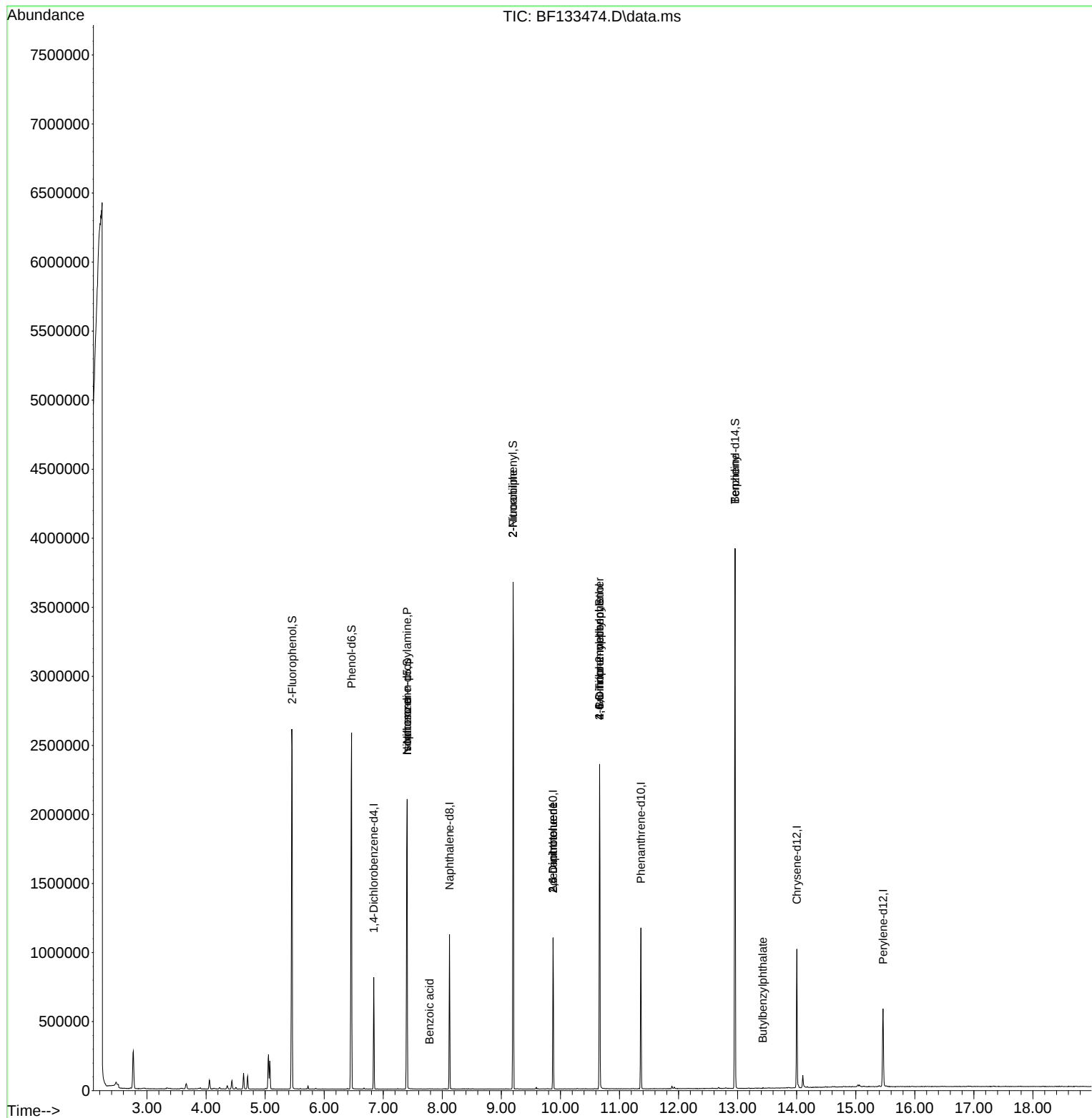
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	103599	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	400702	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	194354	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	391159	20.000	ng	0.00
76) Chrysene-d12	14.004	240	300923	20.000	ng	0.00
86) Perylene-d12	15.462	264	245357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	741384	116.980	ng	0.01
7) Phenol-d6	6.463	99	836884	109.844	ng	0.00
23) Nitrobenzene-d5	7.404	82	585205	100.969	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	259754	144.681	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1088680	78.809	ng	0.00
79) Terphenyl-d14	12.957	244	1289957	81.957	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	80476	16.878	ng	# 79
25) Isophorone	7.404	82	585302	42.916	ng	# 66
32) Benzoic acid	7.786	122	441	6.434	ng	# 73
48) 2-Nitroaniline	9.198	65	1895	5.973	ng	# 1
51) 2,6-Dinitrotoluene	9.874	165	25003	13.452	ng	# 15
57) 2,4-Dinitrotoluene	9.874	165	25003	12.746	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.663	198	689	8.695	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	15848	3.863	ng	# 1
77) Benzidine	12.957	184	17978	2.507	ng	# 95
80) Butylbenzylphthalate	13.427	149	993	3.471	ng	# 87

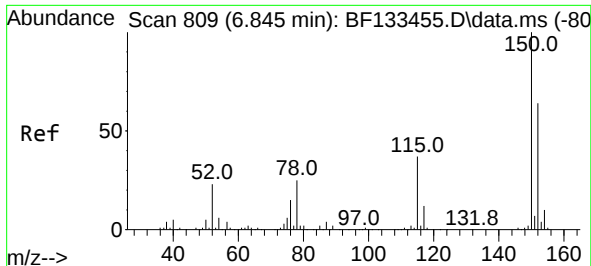
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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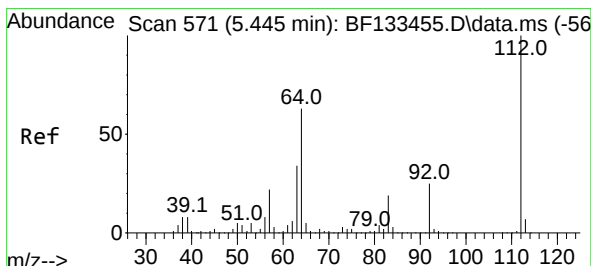
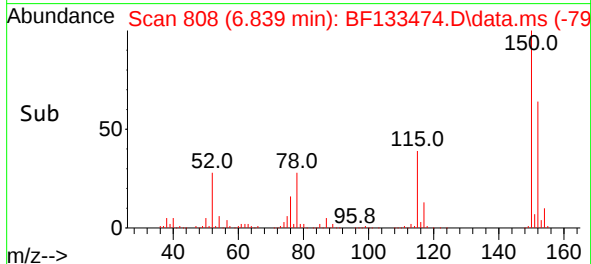
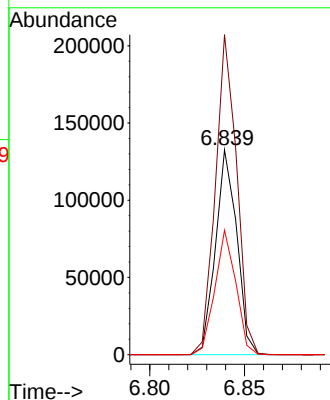
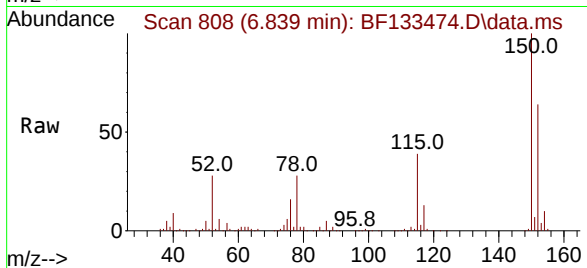




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

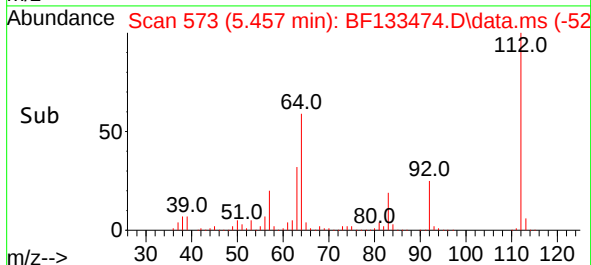
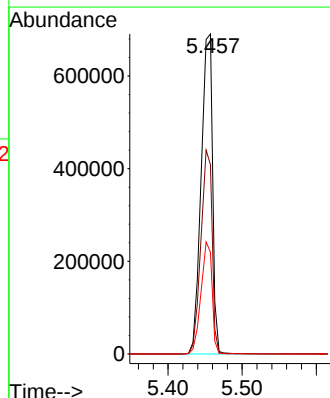
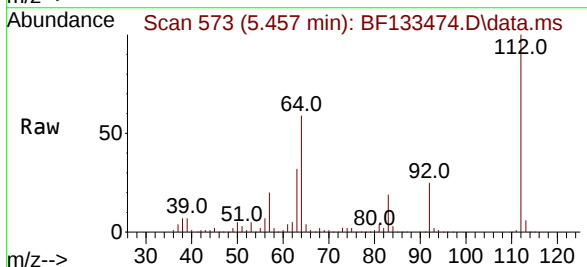
Instrument :
BNA_F
ClientSampleId :
TP-40A

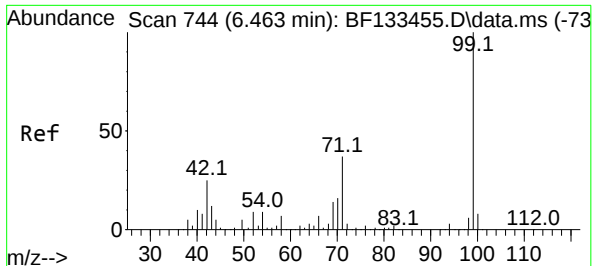
Tgt Ion:152 Resp: 103599
Ion Ratio Lower Upper
152 100
150 156.3 125.6 188.4
115 60.8 47.0 70.4



#5
2-Fluorophenol
Concen: 116.980 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:112 Resp: 741384
Ion Ratio Lower Upper
112 100
64 59.1 50.2 75.4
63 31.8 27.2 40.8

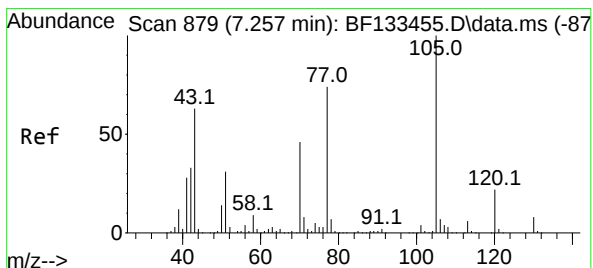
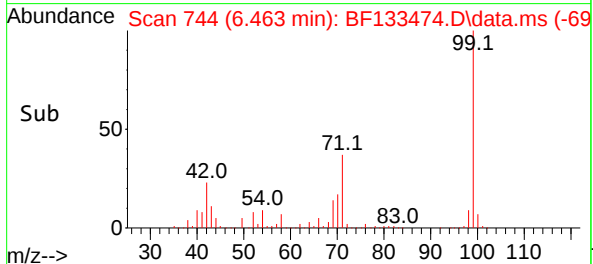
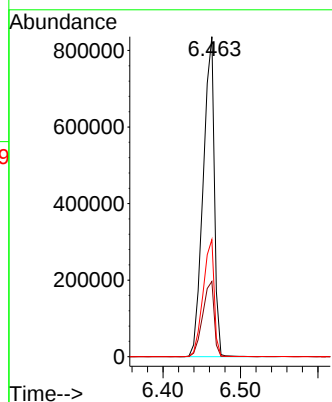
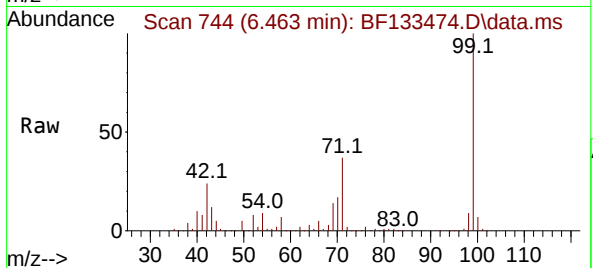




#7
Phenol-d6
Concen: 109.844 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

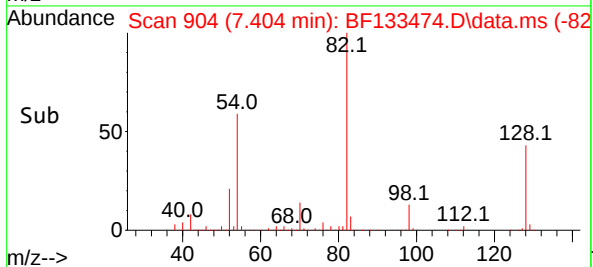
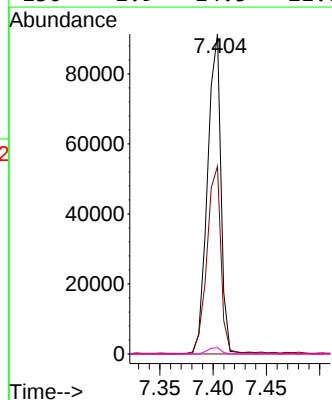
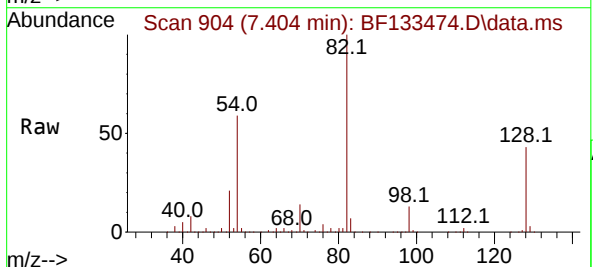
Instrument :
BNA_F
ClientSampleId :
TP-40A

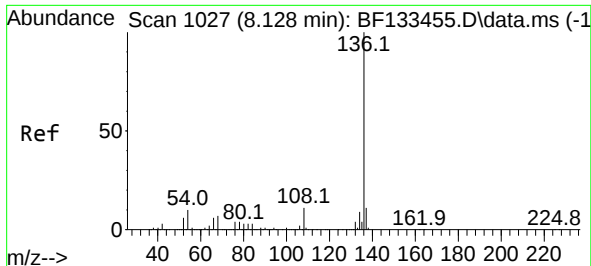
Tgt Ion: 99 Resp: 836884
Ion Ratio Lower Upper
99 100
42 23.5 19.6 29.4
71 36.6 29.5 44.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.878 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion: 70 Resp: 80476
Ion Ratio Lower Upper
70 100
42 58.7 57.7 86.5
101 0.0 7.6 11.4#
130 1.9 14.5 21.7#



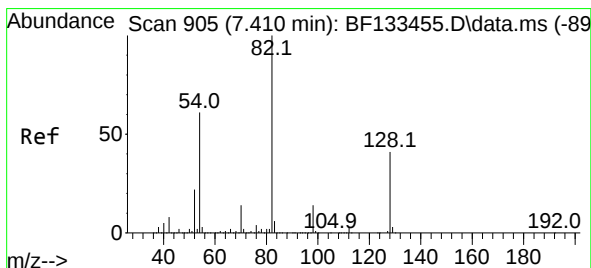
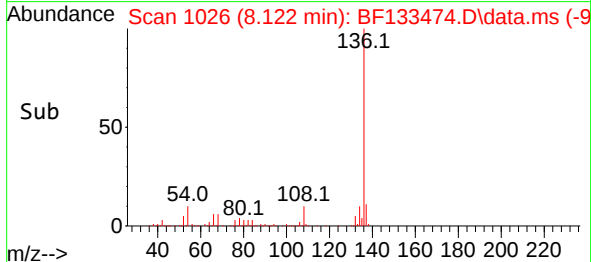
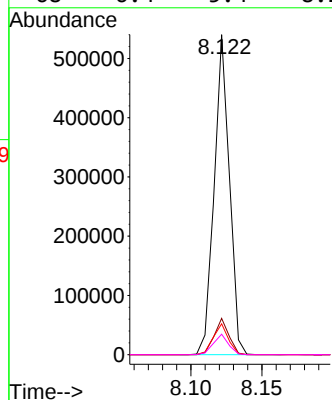
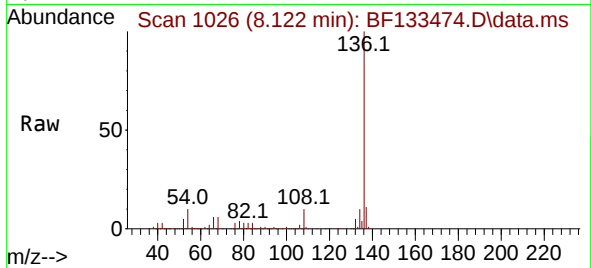


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Instrument :
BNA_F
ClientSampleId :
TP-40A

Tgt Ion:136 Resp: 400702

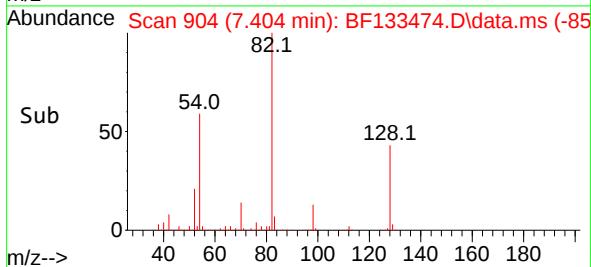
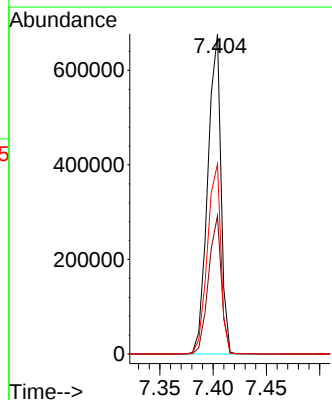
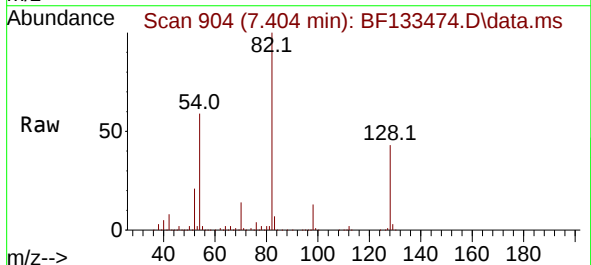
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	9.6	8.0	12.0
68	6.4	5.4	8.2

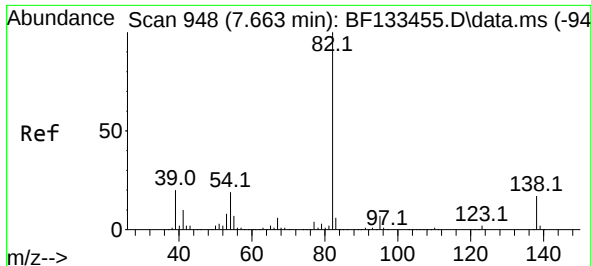


#23
Nitrobenzene-d5
Concen: 100.969 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion: 82 Resp: 585205

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.0	49.6
54	59.4	48.5	72.7

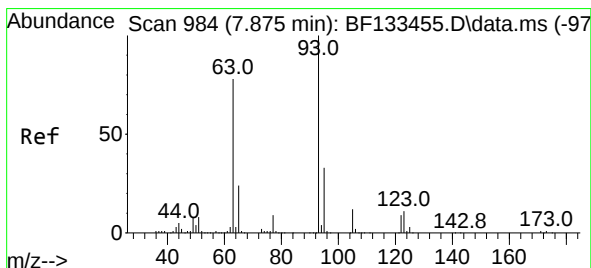
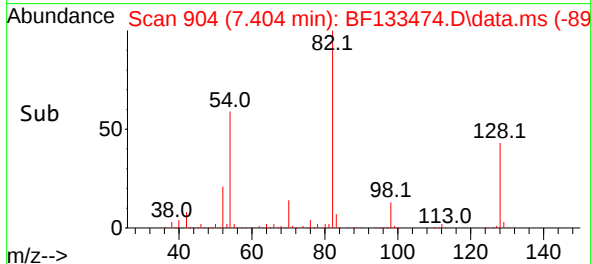
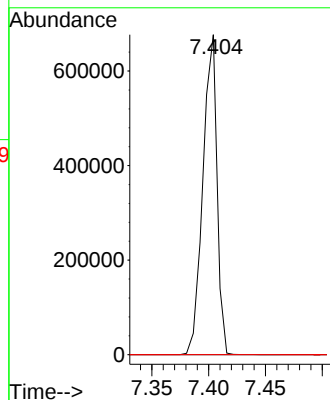
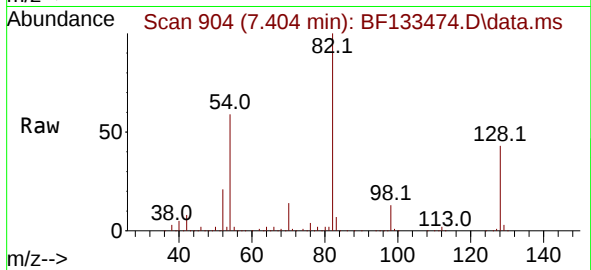




#25
Isophorone
Concen: 42.916 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

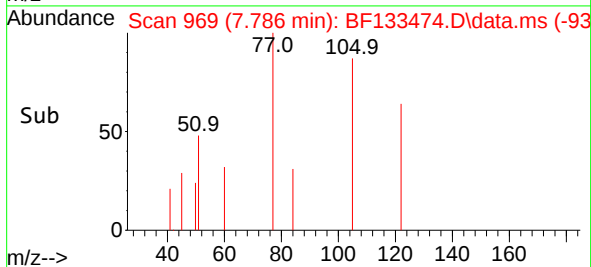
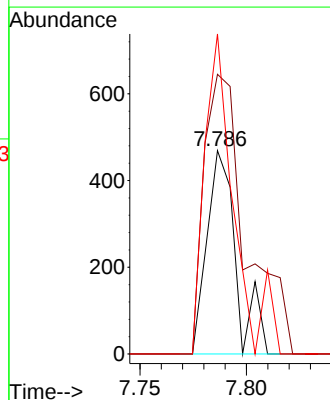
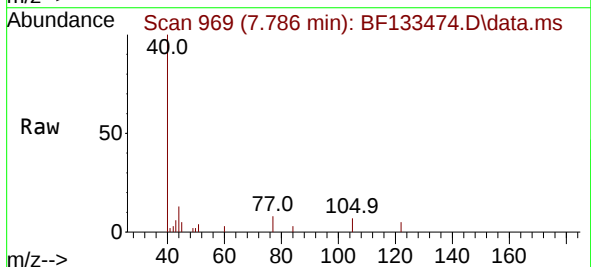
Instrument :
BNA_F
ClientSampleId :
TP-40A

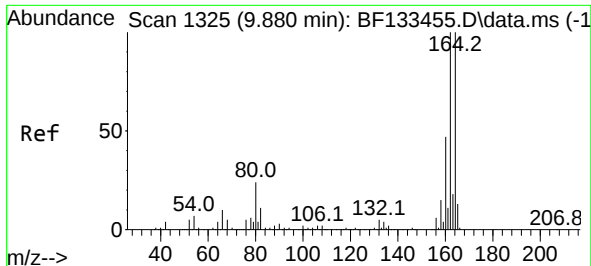
Tgt Ion: 82 Resp: 585302
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.5 20.3#



#32
Benzoic acid
Concen: 6.434 ng
RT: 7.786 min Scan# 969
Delta R.T. -0.089 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:122 Resp: 441
Ion Ratio Lower Upper
122 100
105 137.5 111.2 151.2
77 157.4 82.0 122.0#

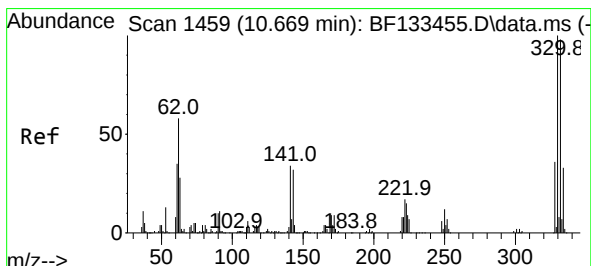
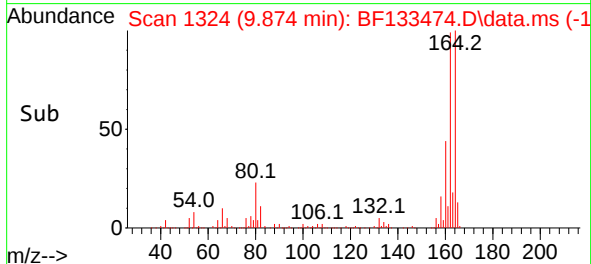
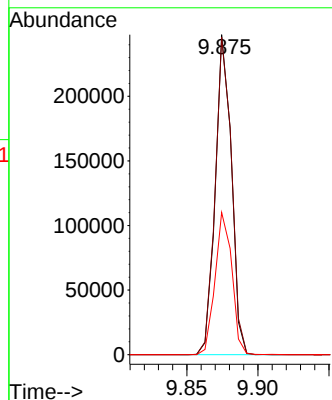
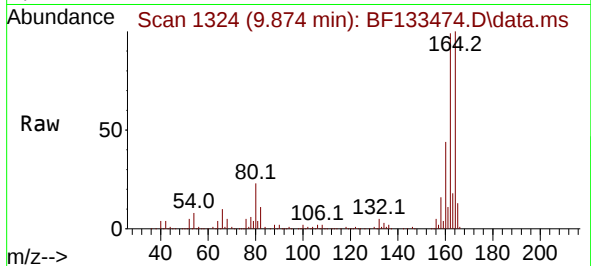




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

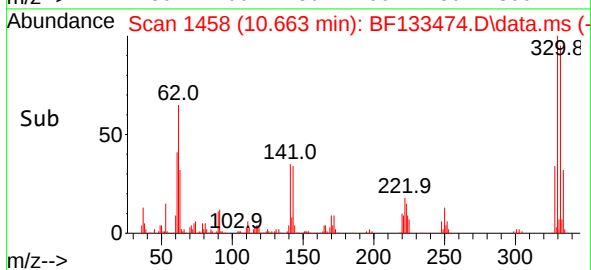
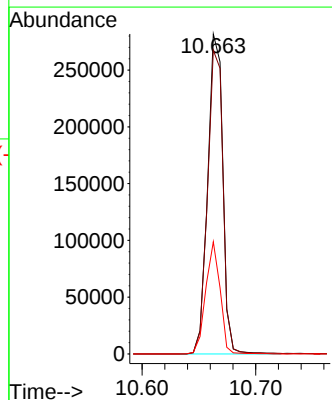
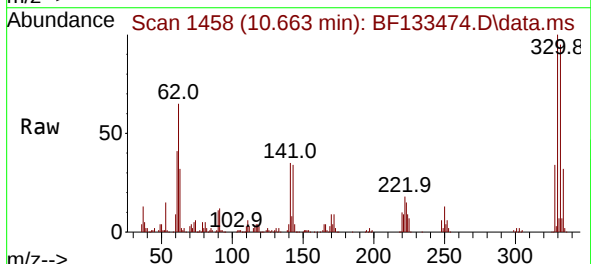
Instrument :
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ClientSampleId :
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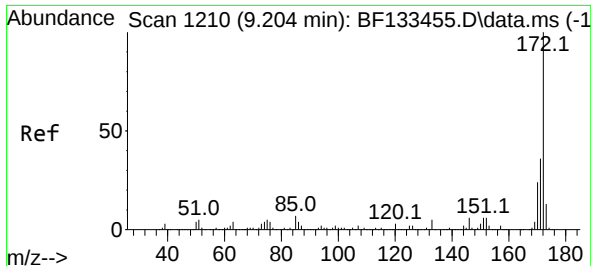
Tgt Ion:164 Resp: 194354
Ion Ratio Lower Upper
164 100
162 99.2 79.8 119.6
160 44.4 37.4 56.0



#42
2,4,6-Tribromophenol
Concen: 144.681 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:330 Resp: 259754
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 33.4 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 78.809 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133474.D

Acq: 24 May 2023 16:57

Instrument :

BNA_F

ClientSampleId :

TP-40A

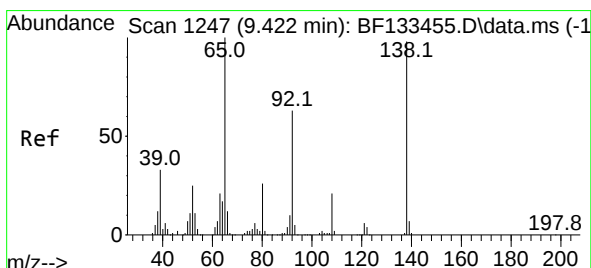
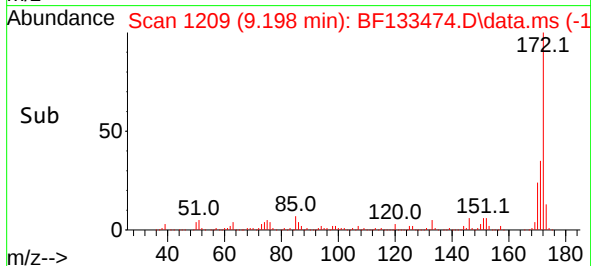
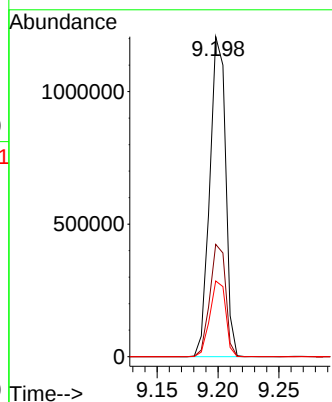
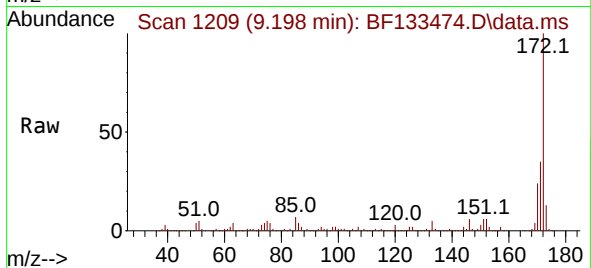
Tgt Ion:172 Resp: 1088680

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.6 19.0 28.4



#48

2-Nitroaniline

Concen: 5.973 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.224 min

Lab File: BF133474.D

Acq: 24 May 2023 16:57

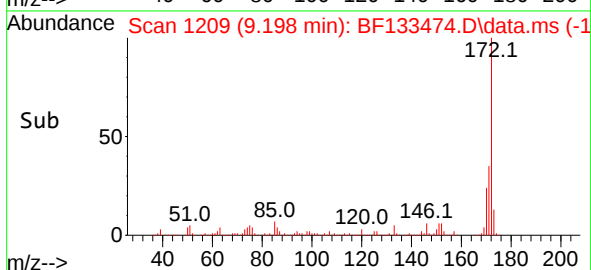
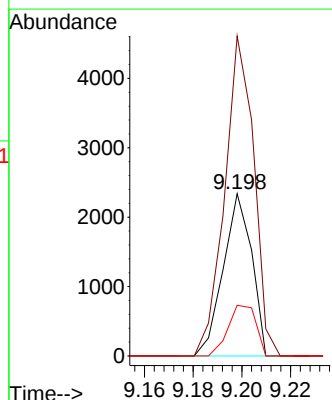
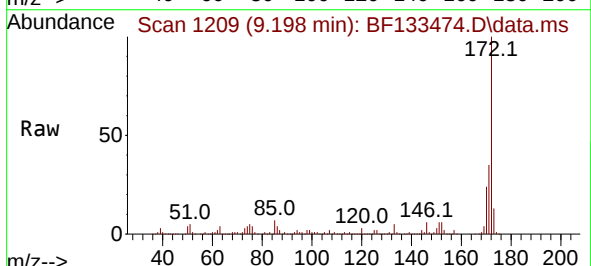
Tgt Ion: 65 Resp: 1895

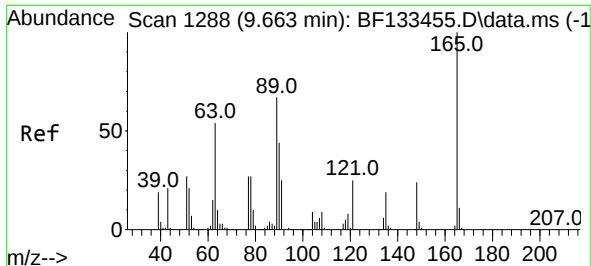
Ion Ratio Lower Upper

65 100

92 197.3 50.1 75.1#

138 31.3 78.6 118.0#

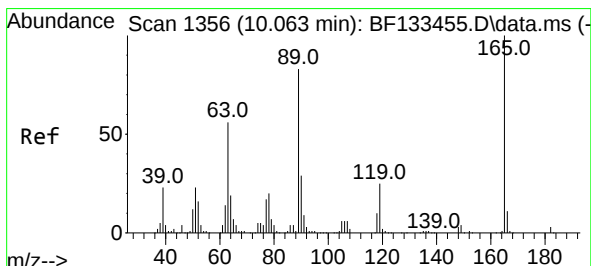
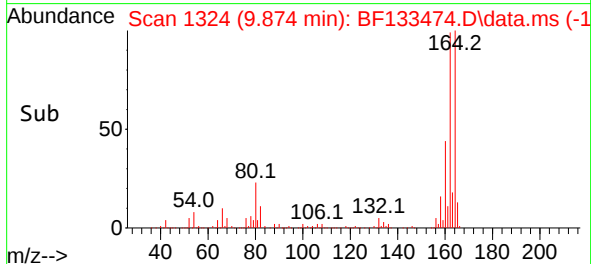
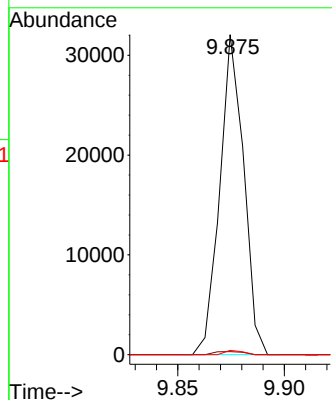
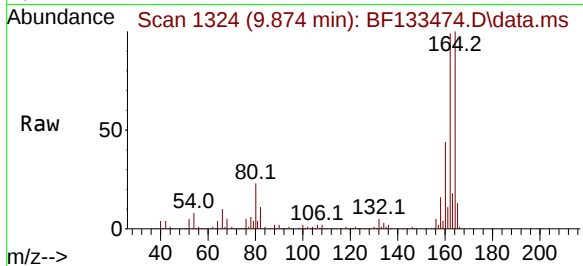




#51
2,6-Dinitrotoluene
Concen: 13.452 ng
RT: 9.874 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

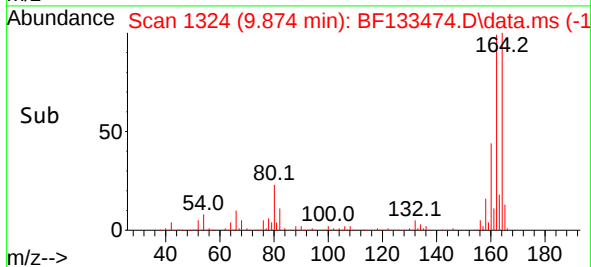
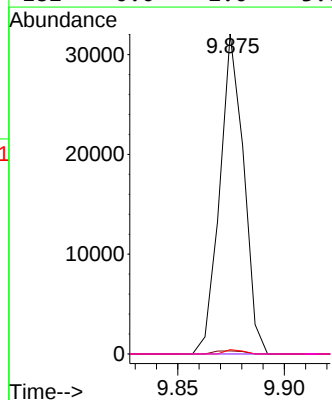
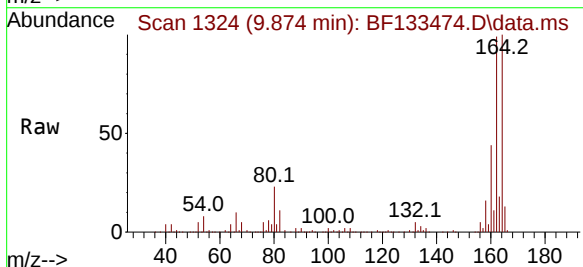
Instrument :
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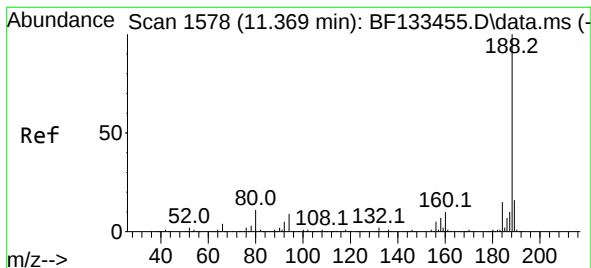
Tgt Ion:165 Resp: 25003
Ion Ratio Lower Upper
165 100
63 1.0 61.0 91.4#
89 1.4 53.5 80.3#



#57
2,4-Dinitrotoluene
Concen: 12.746 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.189 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:165 Resp: 25003
Ion Ratio Lower Upper
165 100
63 1.0 45.1 67.7#
89 1.4 66.7 100.1#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133474.D

Acq: 24 May 2023 16:57

Instrument :

BNA_F

ClientSampleId :

TP-40A

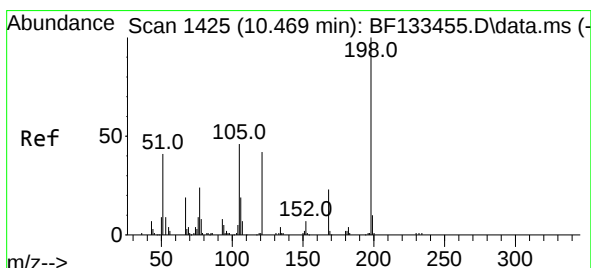
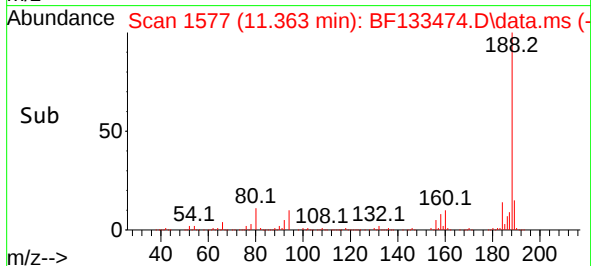
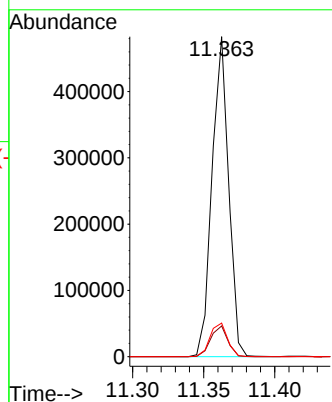
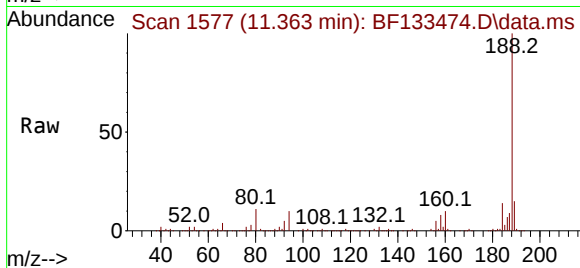
Tgt Ion:188 Resp: 391159

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.5 8.7 13.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.695 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133474.D

Acq: 24 May 2023 16:57

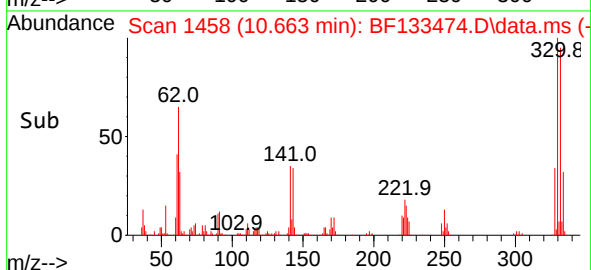
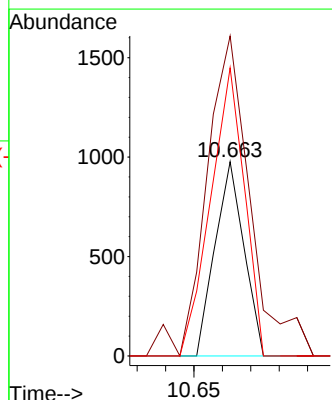
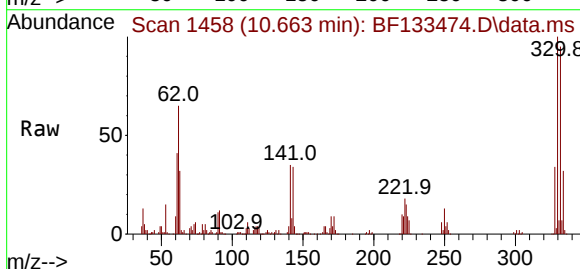
Tgt Ion:198 Resp: 689

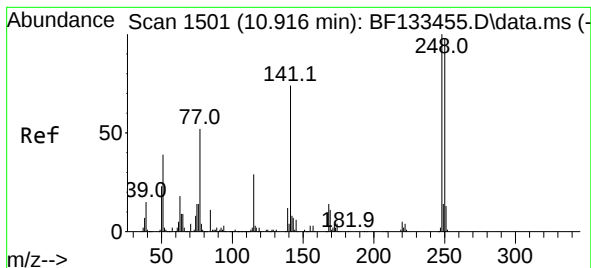
Ion Ratio Lower Upper

198 100

51 164.7 38.5 78.5#

105 148.3 29.6 69.6#

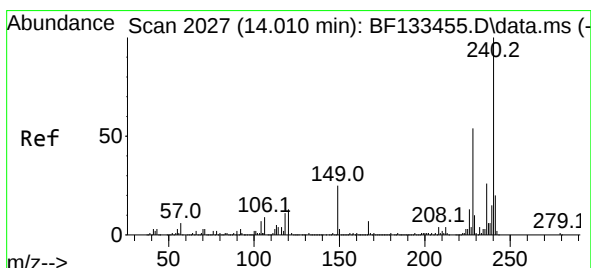
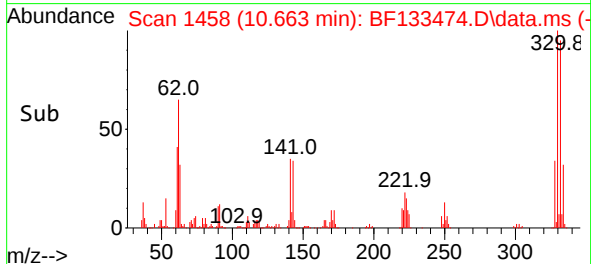
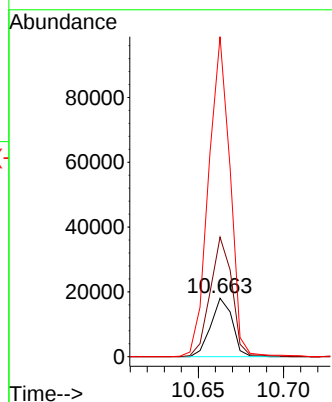
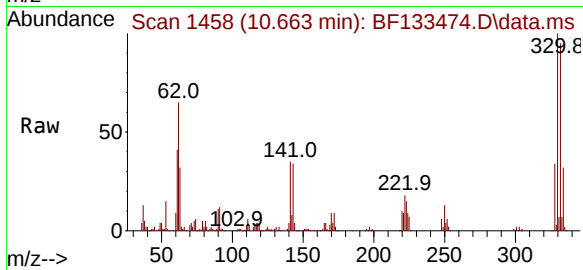




#67
4-Bromophenyl-phenylether
Concen: 3.863 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

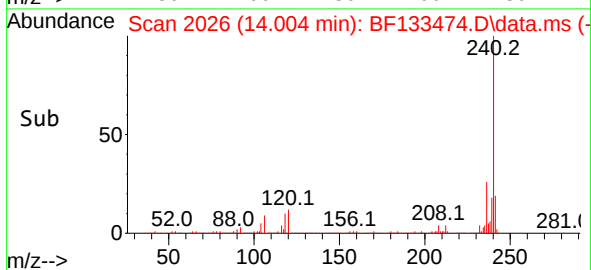
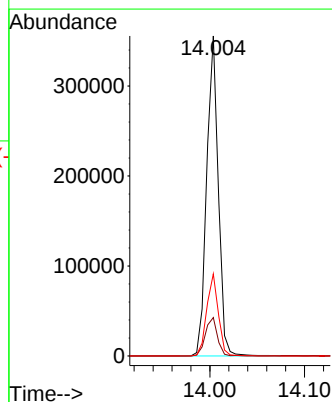
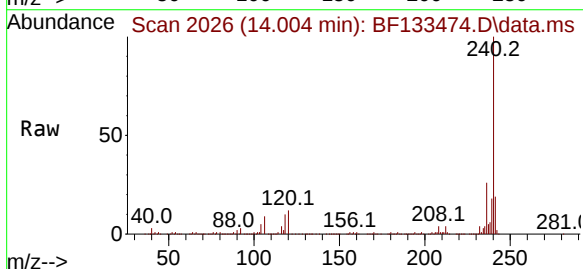
Instrument :
BNA_F
ClientSampleId :
TP-40A

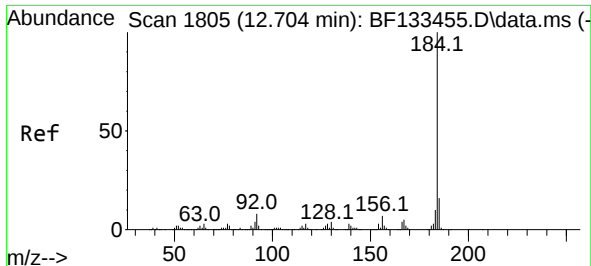
Tgt Ion:248 Resp: 15848
Ion Ratio Lower Upper
248 100
250 204.7 78.3 117.5#
141 548.2 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:240 Resp: 300923
Ion Ratio Lower Upper
240 100
120 12.0 10.2 15.4
236 25.7 20.9 31.3

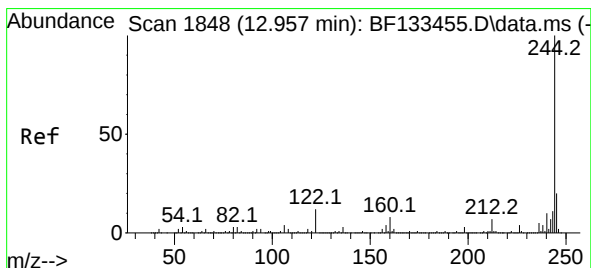
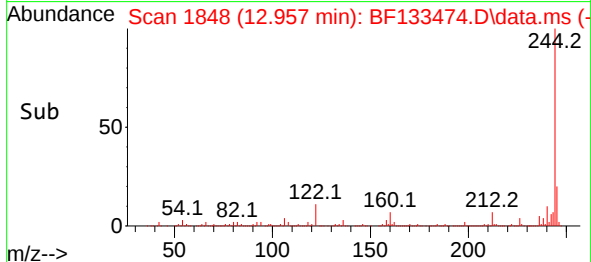
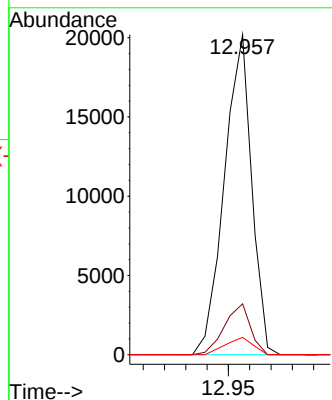
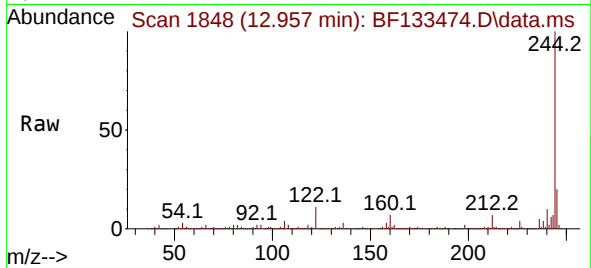




#77
Benzidine
Concen: 2.507 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.253 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

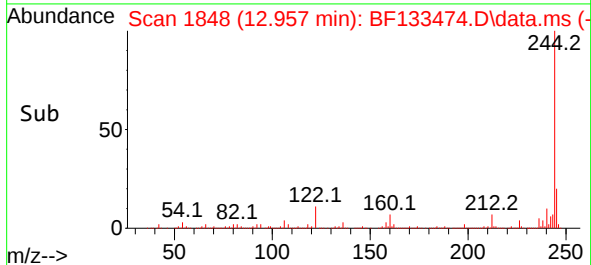
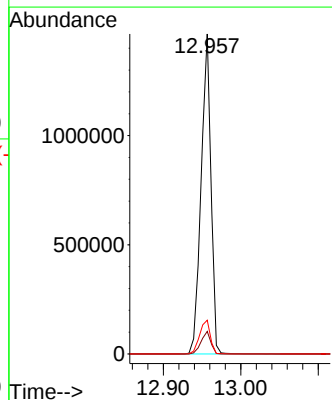
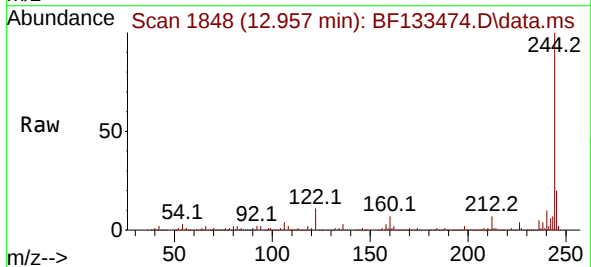
Instrument :
BNA_F
ClientSampleId :
TP-40A

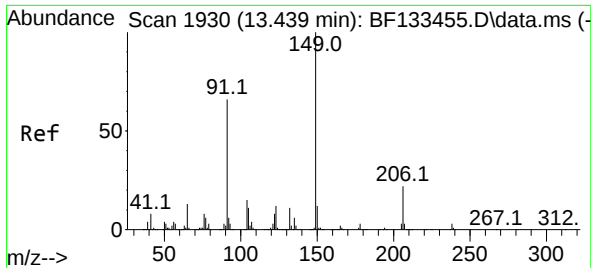
Tgt Ion:184 Resp: 17978
Ion Ratio Lower Upper
184 100
185 15.9 12.6 19.0
183 5.4 8.2 12.2#



#79
Terphenyl-d14
Concen: 81.957 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:244 Resp: 1289957
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.6 9.4 14.0

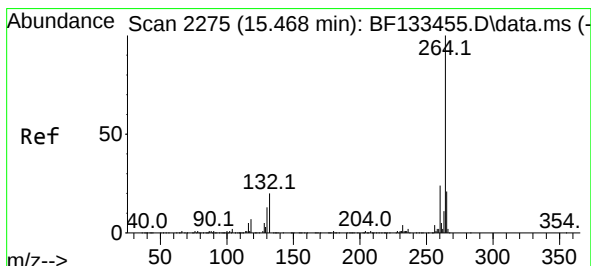
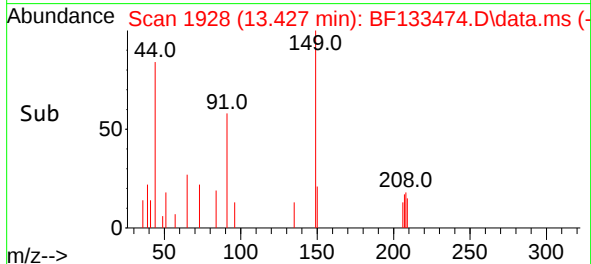
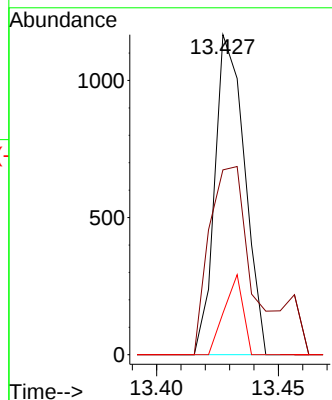
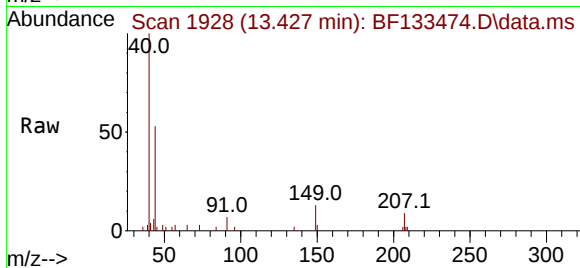




#80
Butylbenzylphthalate
Concen: 3.471 ng
RT: 13.427 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Instrument :
BNA_F
ClientSampleId :
TP-40A

Tgt Ion:149 Resp: 993
Ion Ratio Lower Upper
149 100
91 57.8 53.1 79.7
206 12.9 17.4 26.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF133474.D
Acq: 24 May 2023 16:57

Tgt Ion:264 Resp: 245357
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.7 17.0 25.4

