

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140985.D
 Acq On : 27 Dec 2024 10:04
 Operator : RC/JU
 Sample : PB165733TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165733TB

Quant Time: Dec 27 10:38:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

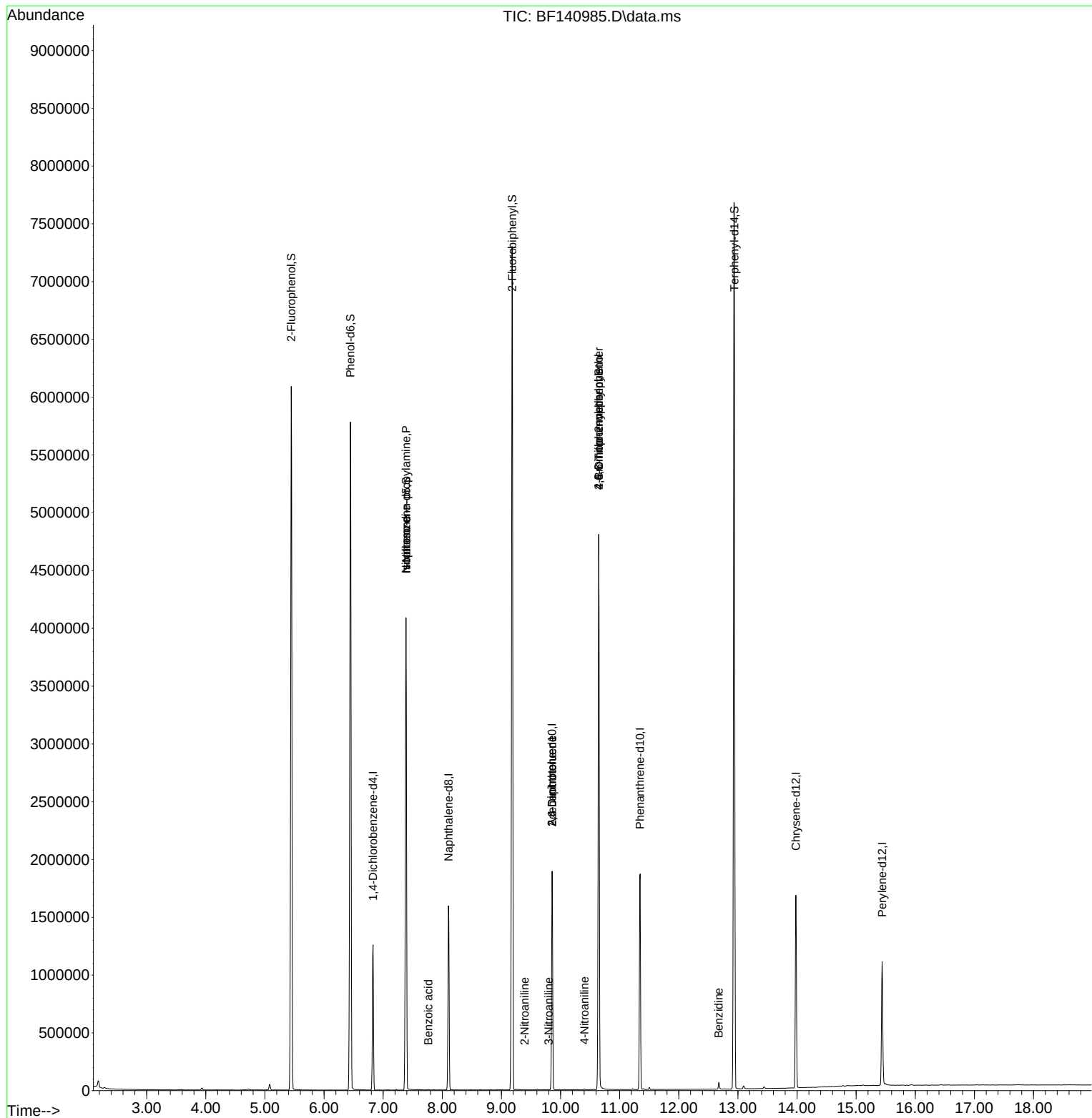
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	259736	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1051711	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	557788	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	953759	20.000	ng	0.00
76) Chrysene-d12	13.980	240	755663	20.000	ng	0.00
86) Perylene-d12	15.439	264	599329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2508104	145.558	ng	0.01
7) Phenol-d6	6.445	99	3145330	141.699	ng	0.00
23) Nitrobenzene-d5	7.387	82	1990489	121.086	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	873987	161.250	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3456926	98.742	ng	0.00
79) Terphenyl-d14	12.939	244	4043590	88.881	ng	0.00
Target Compounds						
9) Benzaldehyde	6.445	77	5138	Below Cal	Qvalue	# 2
19) n-Nitroso-di-n-propyla...	7.387	70	269223	19.798	ng	# 79
25) Isophorone	7.387	82	1979043	55.325	ng	# 65
32) Benzoic acid	7.763	122	730	7.749	ng	# 67
48) 2-Nitroaniline	9.392	65	343	4.680	ng	# 67
51) 2,6-Dinitrotoluene	9.857	165	72616	12.621	ng	# 23
53) 3-Nitroaniline	9.798	138	121	3.279	ng	# 91
57) 2,4-Dinitrotoluene	9.857	165	72616	11.687	ng	# 21
62) 4-Nitroaniline	10.404	138	55	3.352	ng	# 47
65) 4,6-Dinitro-2-methylph...	10.645	198	1901	9.746	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	54026	5.240	ng	# 1
77) Benzidine	12.674	184	32308	2.023	ng	97

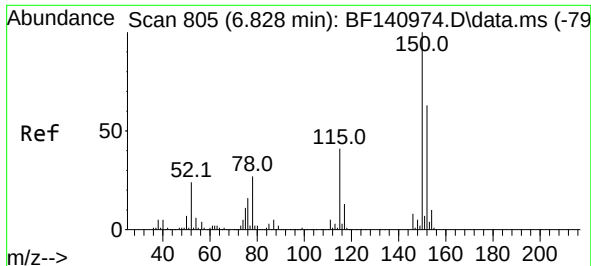
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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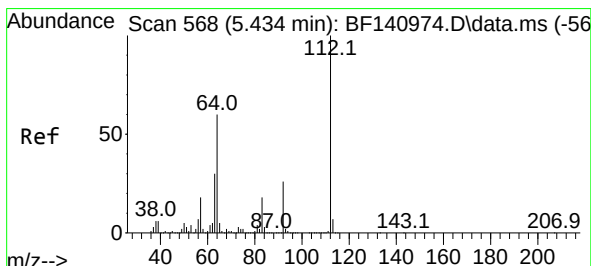
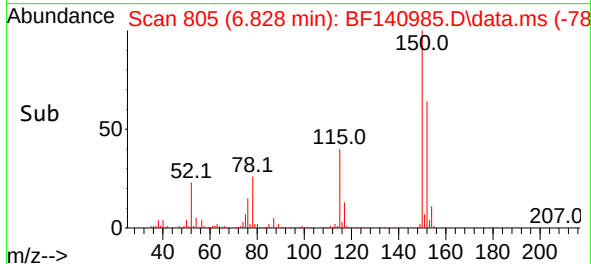
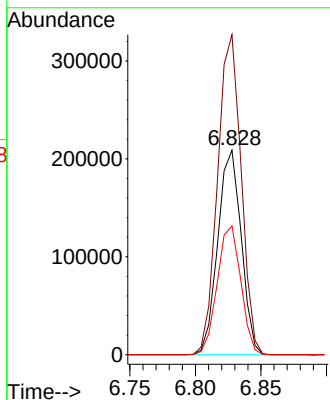
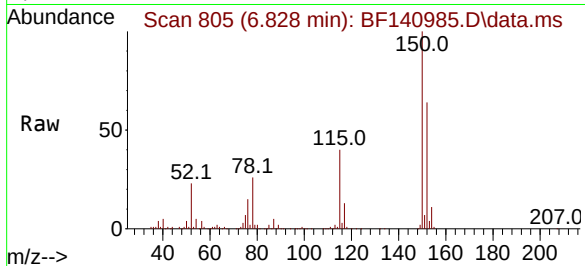




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF140985.D
 Acq: 27 Dec 2024 10:04

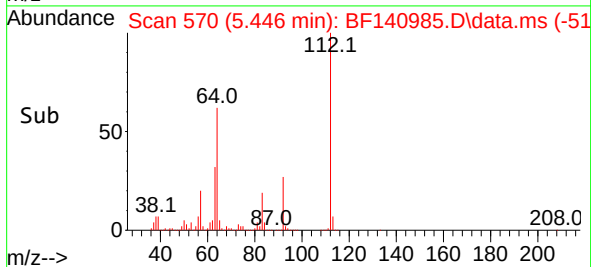
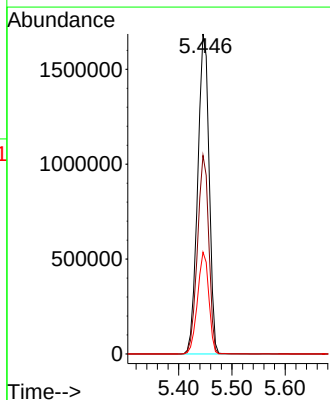
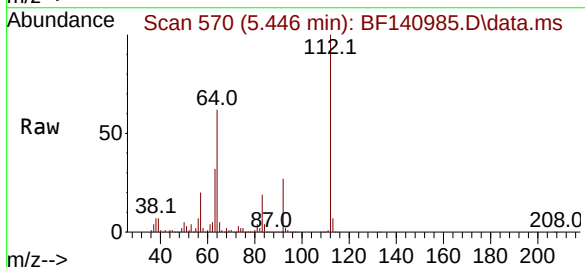
Instrument :
 BNA_F
 ClientSampleId :
 PB165733TB

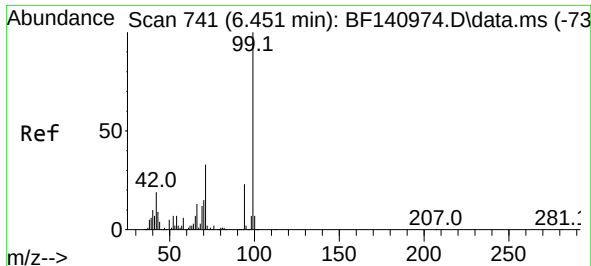
Tgt Ion:152 Resp: 259736
 Ion Ratio Lower Upper
 152 100
 150 156.4 127.0 190.6
 115 62.9 51.7 77.5



#5
 2-Fluorophenol
 Concen: 145.558 ng
 RT: 5.446 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: BF140985.D
 Acq: 27 Dec 2024 10:04

Tgt Ion:112 Resp: 2508104
 Ion Ratio Lower Upper
 112 100
 64 62.1 47.7 71.5
 63 31.8 24.2 36.2

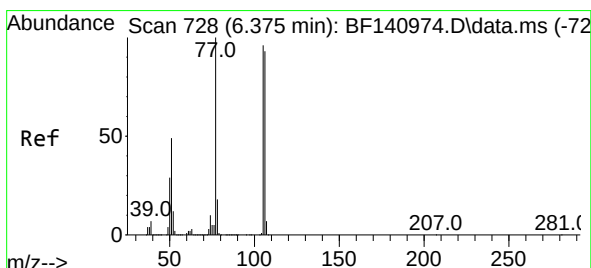
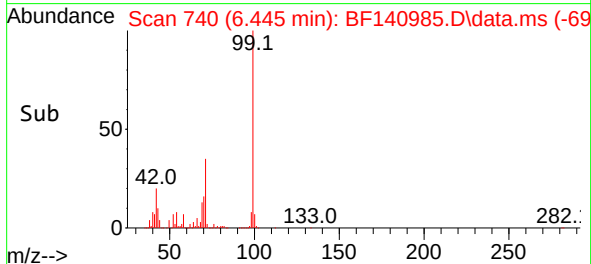
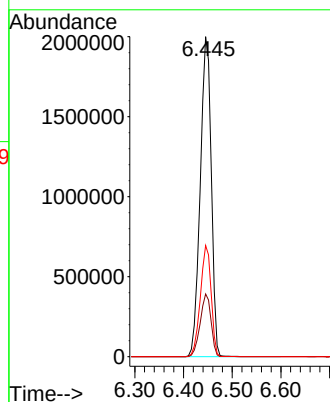
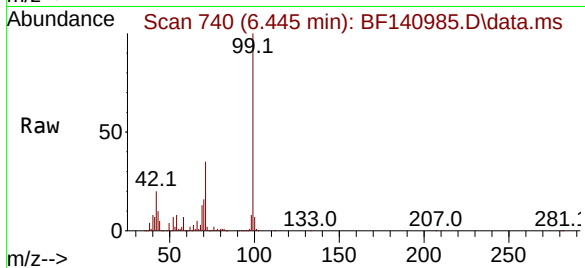




#7
Phenol-d6
Concen: 141.699 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

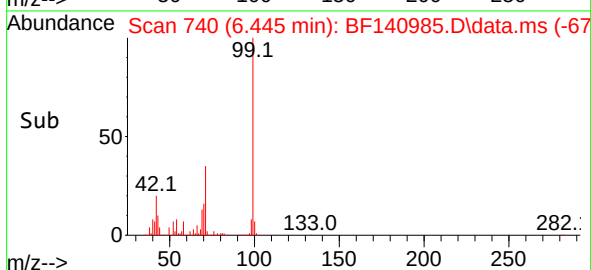
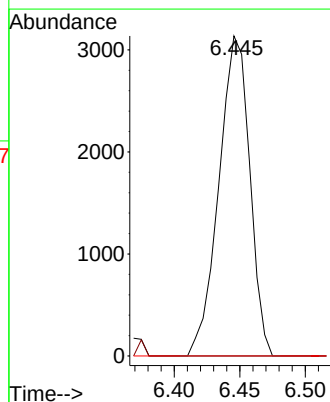
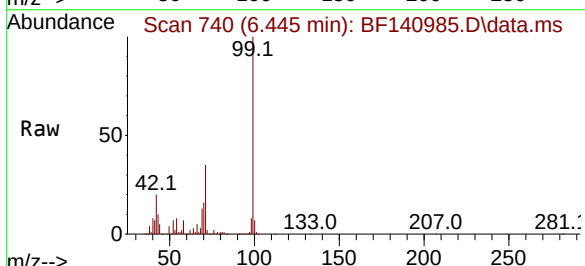
Instrument :
BNA_F
ClientSampleId :
PB165733TB

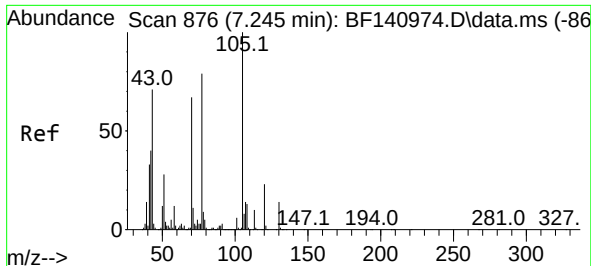
Tgt Ion: 99 Resp: 3145330
Ion Ratio Lower Upper
99 100
42 19.6 15.0 22.4
71 34.7 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 740
Delta R.T. 0.070 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

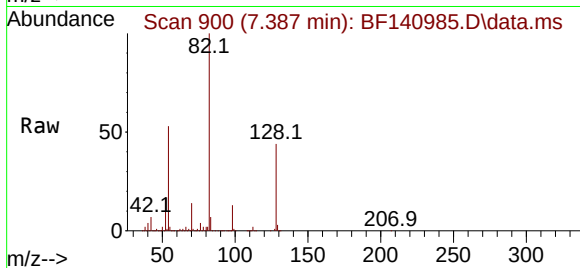
Tgt Ion: 77 Resp: 5138
Ion Ratio Lower Upper
77 100
105 0.0 76.2 116.2#
106 0.0 73.4 113.4#



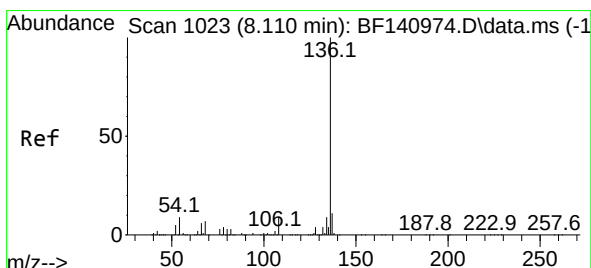
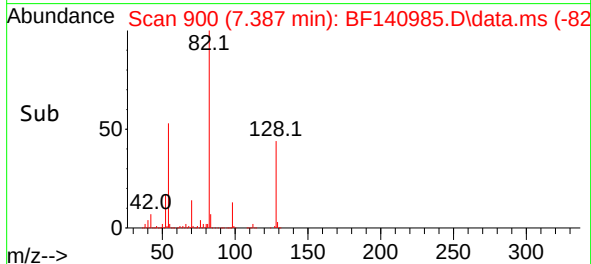
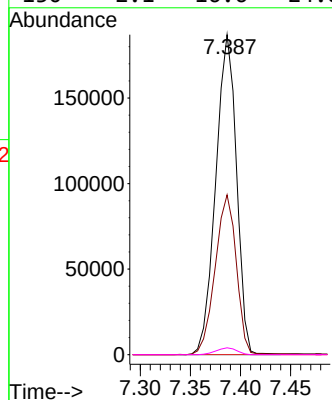


#19
n-Nitroso-di-n-propylamine
Concen: 19.798 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Instrument :
BNA_F
ClientSampleId :
PB165733TB

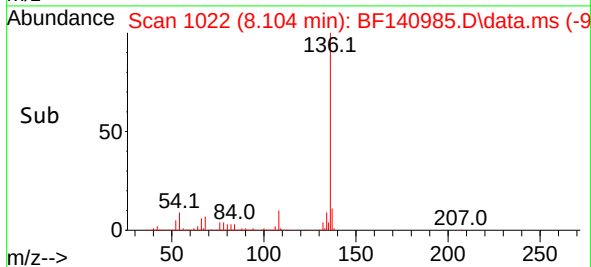
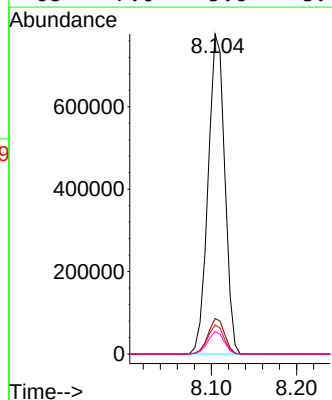
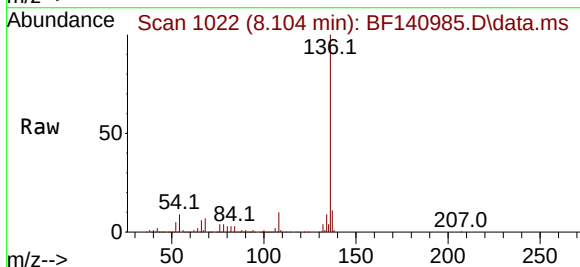


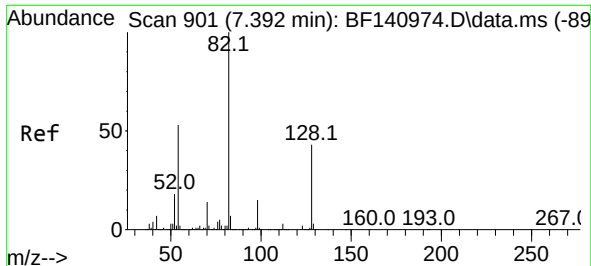
Tgt Ion: 70 Resp: 269223
Ion Ratio Lower Upper
70 100
42 49.9 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Tgt Ion: 136 Resp: 1051711
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.1 7.6 11.4
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 121.086 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Instrument :

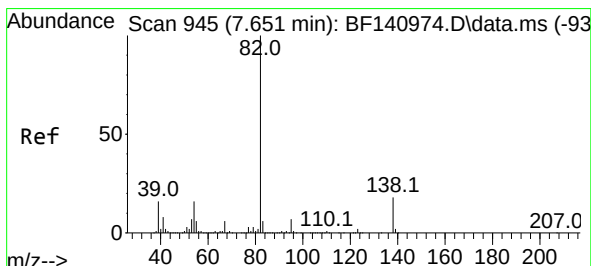
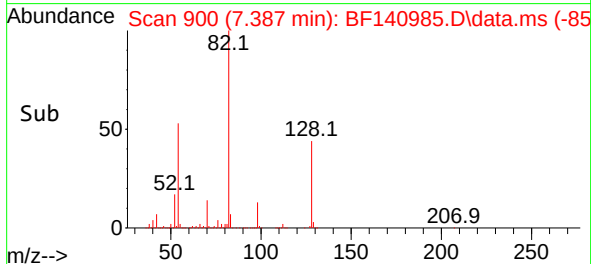
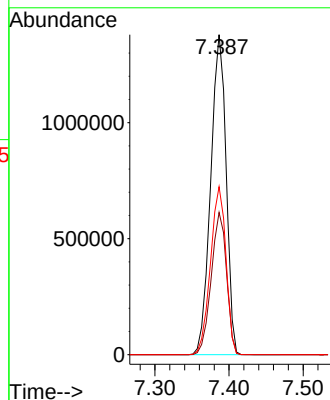
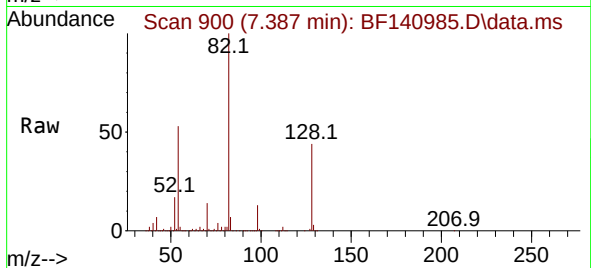
BNA_F

ClientSampleId :

PB165733TB

Tgt Ion: 82 Resp: 1990489

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.4	51.6
54	52.5	42.4	63.6



#25

Isophorone

Concen: 55.325 ng

RT: 7.387 min Scan# 900

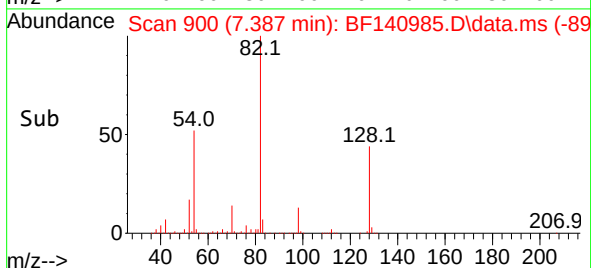
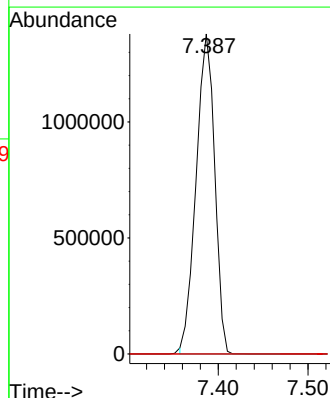
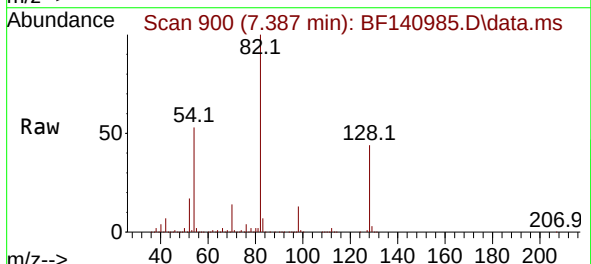
Delta R.T. -0.265 min

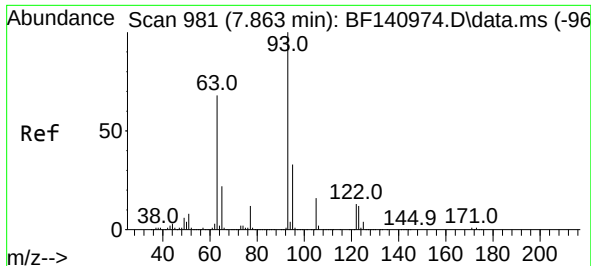
Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Tgt Ion: 82 Resp: 1979043

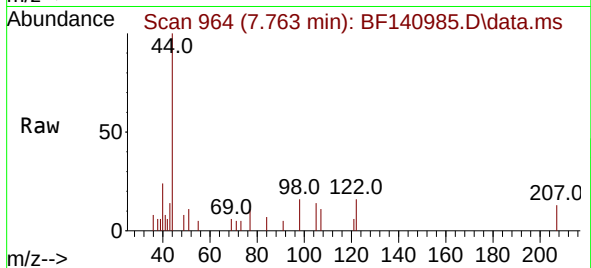
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#



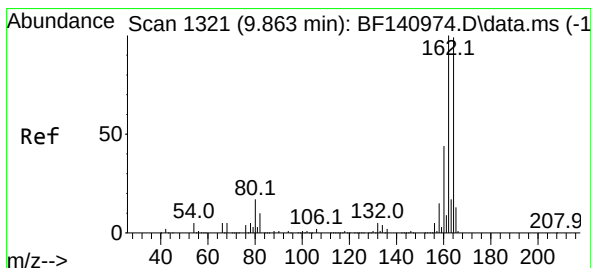
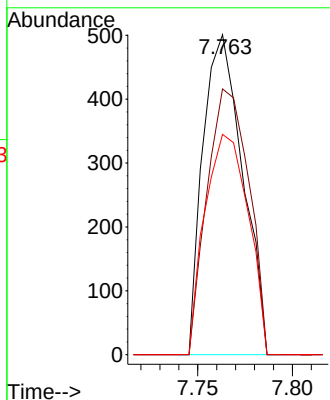
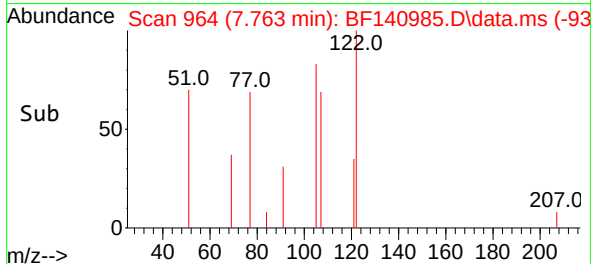


#32
Benzoic acid
Concen: 7.749 ng
RT: 7.763 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Instrument :
BNA_F
ClientSampleId :
PB165733TB

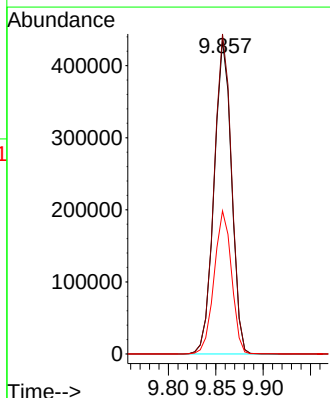
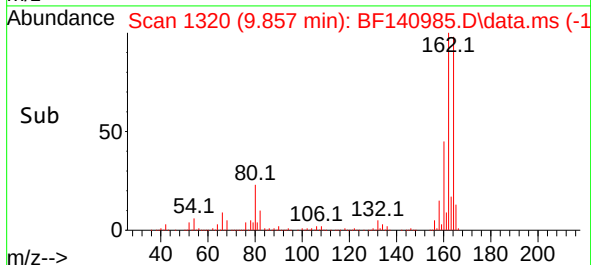
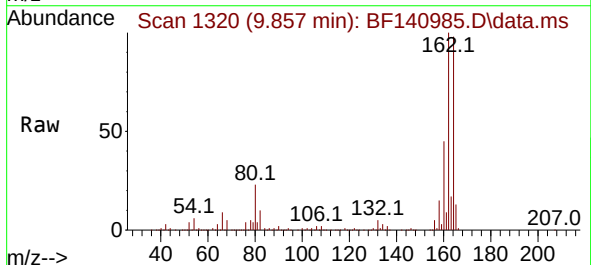


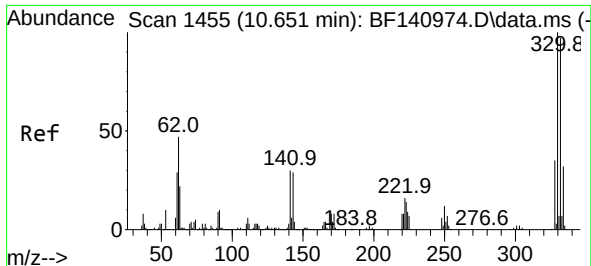
Tgt Ion:122 Resp: 730
Ion Ratio Lower Upper
122 100
105 83.0 105.4 145.4#
77 68.9 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Tgt Ion:164 Resp: 557788
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.6 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 161.250 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Instrument :

BNA_F

ClientSampleId :

PB165733TB

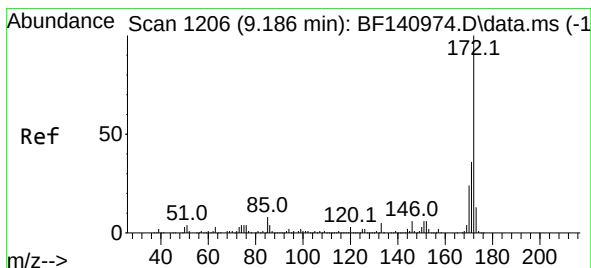
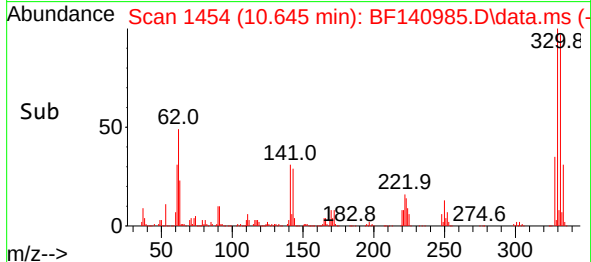
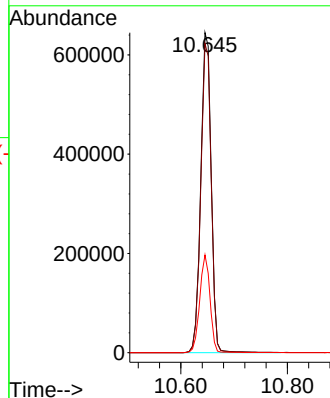
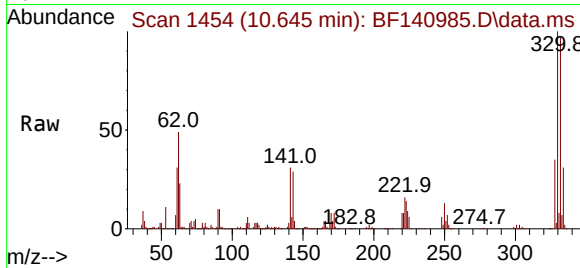
Tgt Ion:330 Resp: 873987

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 30.2 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 98.742 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

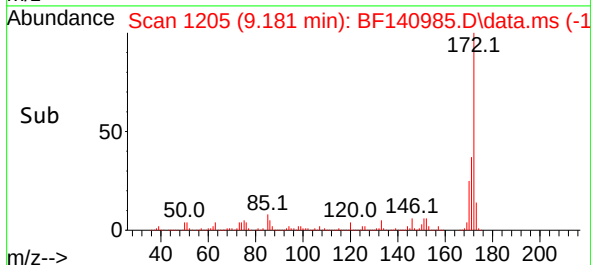
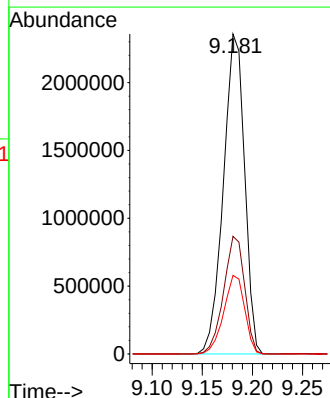
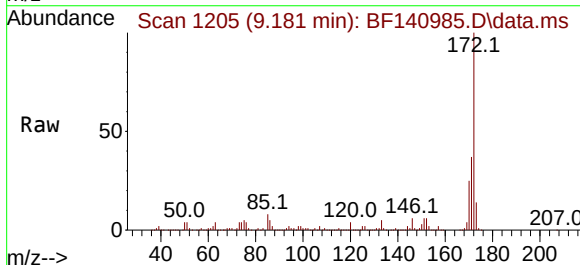
Tgt Ion:172 Resp: 3456926

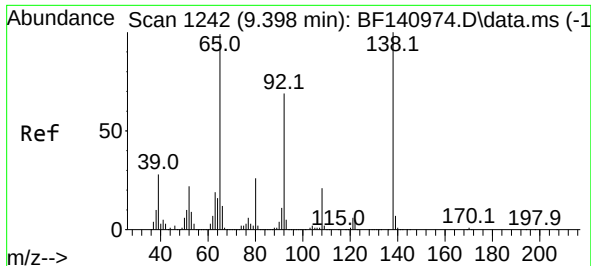
Ion Ratio Lower Upper

172 100

171 36.8 29.0 43.4

170 24.6 19.6 29.4





#48

2-Nitroaniline

Concen: 4.680 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Instrument :

BNA_F

ClientSampleId :

PB165733TB

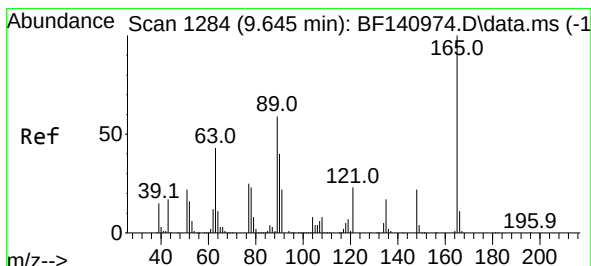
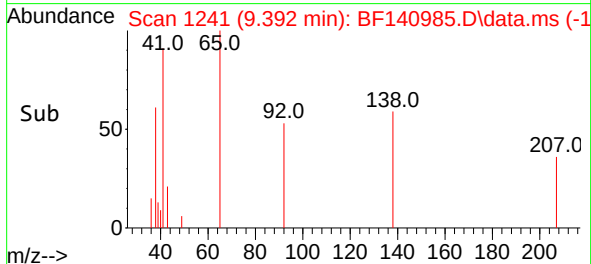
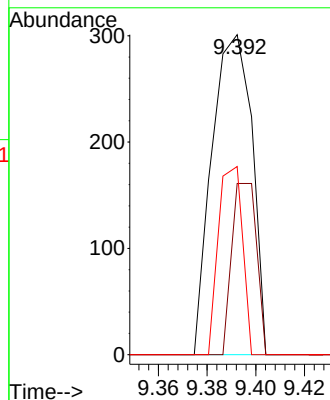
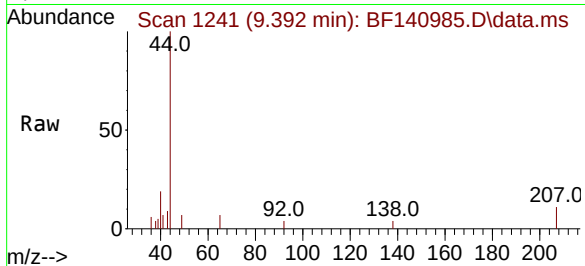
Tgt Ion: 65 Resp: 343

Ion Ratio Lower Upper

65 100

92 53.5 55.6 83.4#

138 58.8 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.621 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

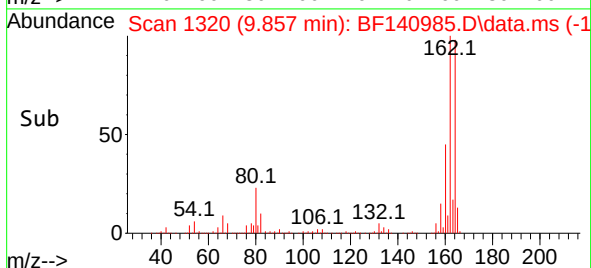
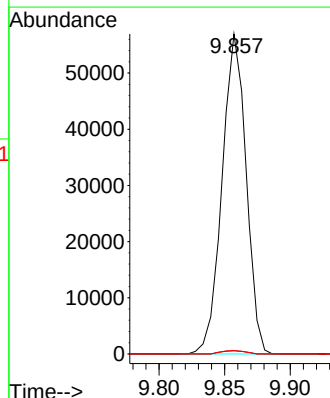
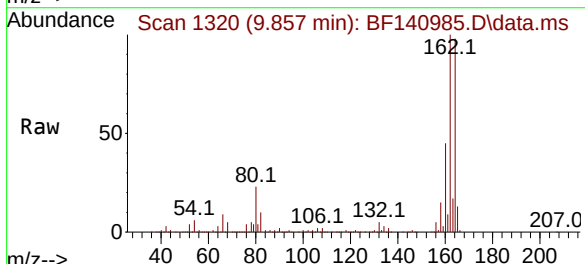
Tgt Ion:165 Resp: 72616

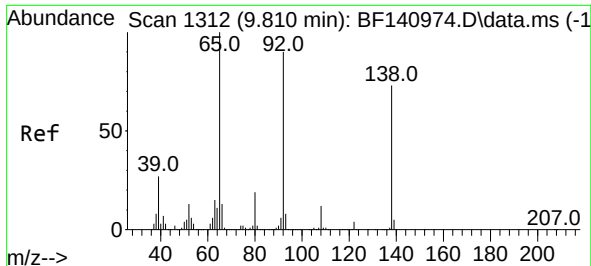
Ion Ratio Lower Upper

165 100

63 1.0 47.1 70.7#

89 1.1 47.0 70.4#

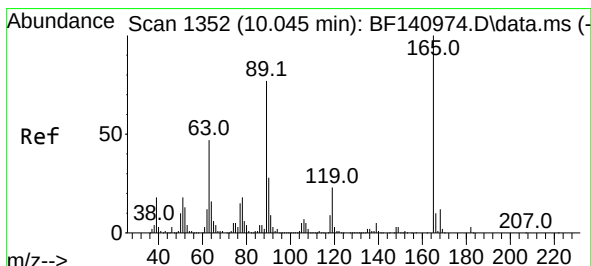
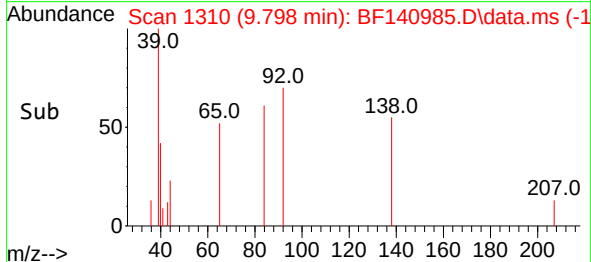
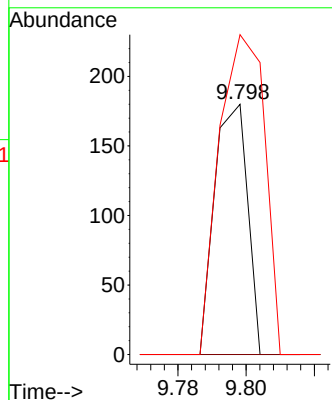
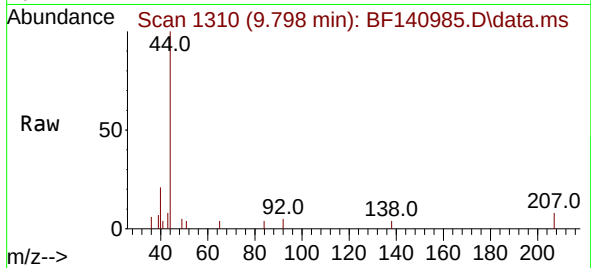




#53
3-Nitroaniline
Concen: 3.279 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

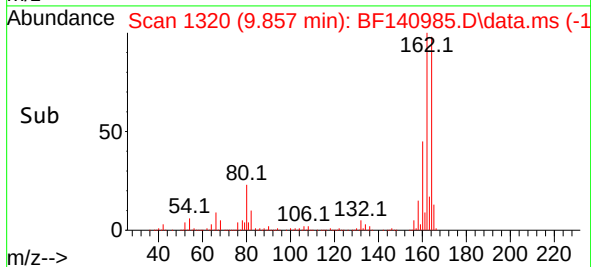
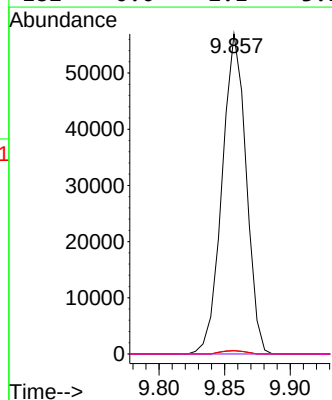
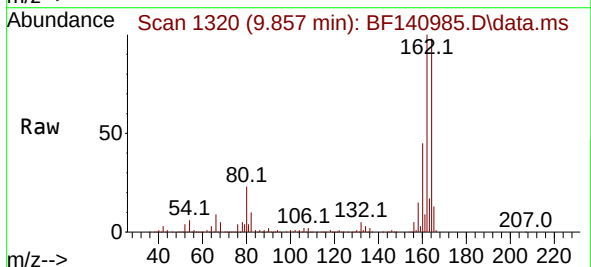
Instrument :
BNA_F
ClientSampleId :
PB165733TB

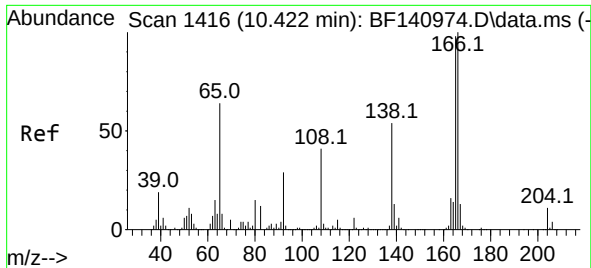
Tgt Ion:138 Resp: 121
Ion Ratio Lower Upper
138 100
108 0.0 13.5 20.3#
92 127.8 97.7 146.5



#57
2,4-Dinitrotoluene
Concen: 11.687 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Tgt Ion:165 Resp: 72616
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#

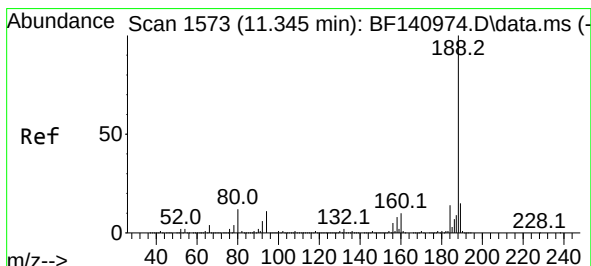
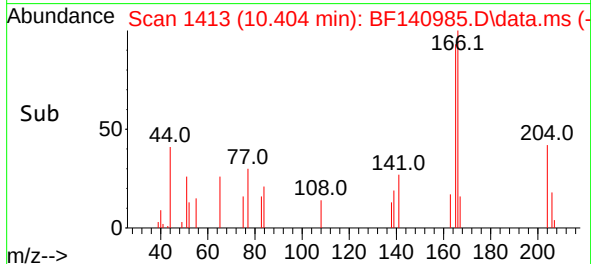
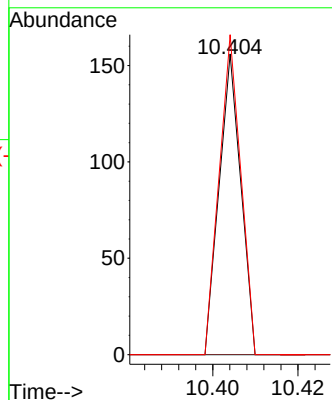
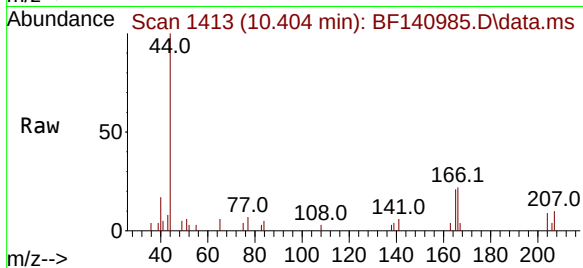




#62
4-Nitroaniline
Concen: 3.352 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

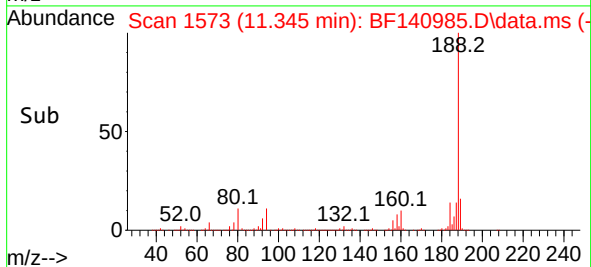
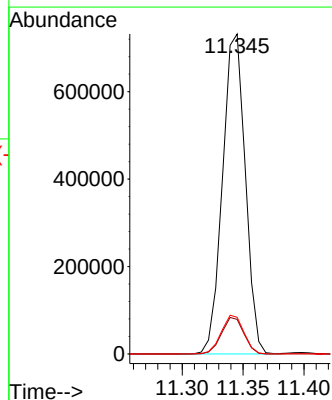
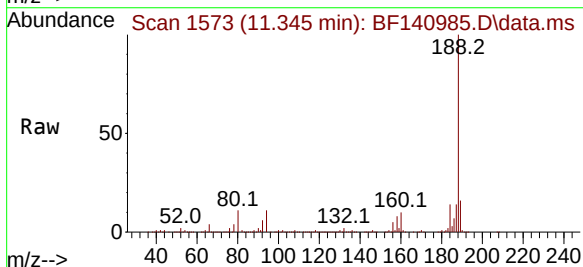
Instrument :
BNA_F
ClientSampleId :
PB165733TB

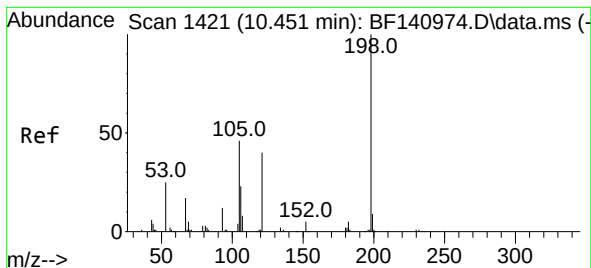
Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 106.4 55.9 95.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Tgt Ion:188 Resp: 953759
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 11.4 9.8 14.6

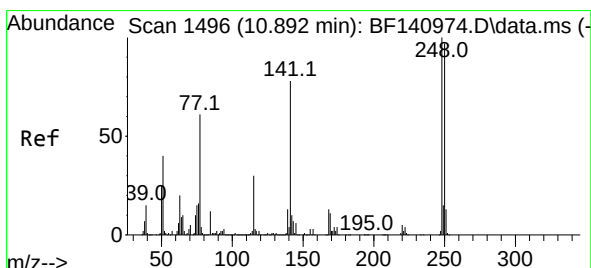
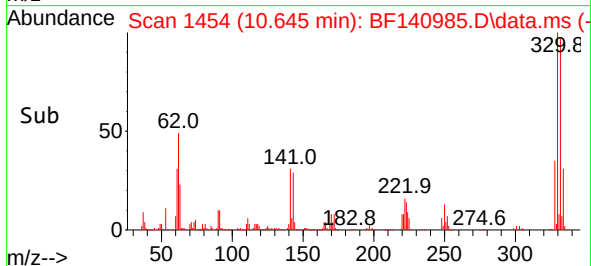
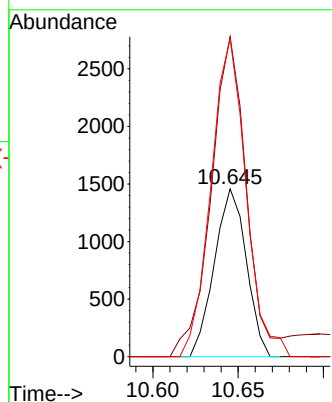
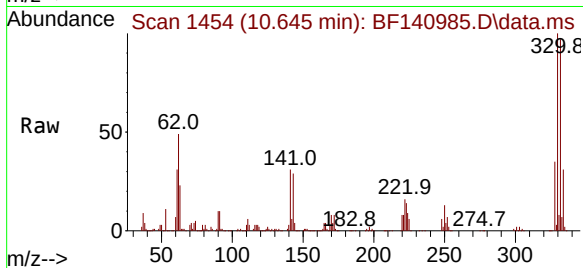




#65
4,6-Dinitro-2-methylphenol
Concen: 9.746 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

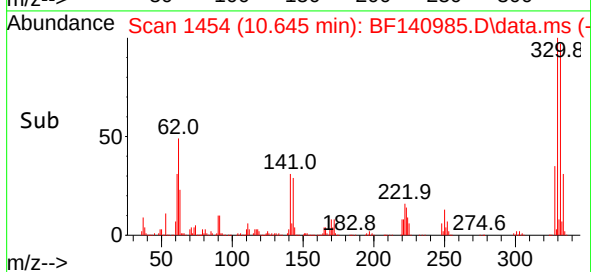
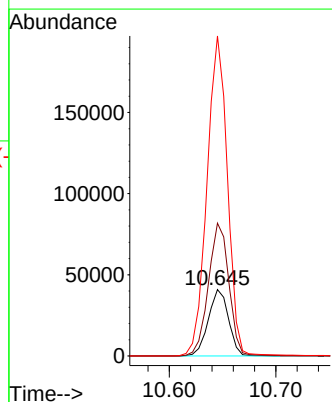
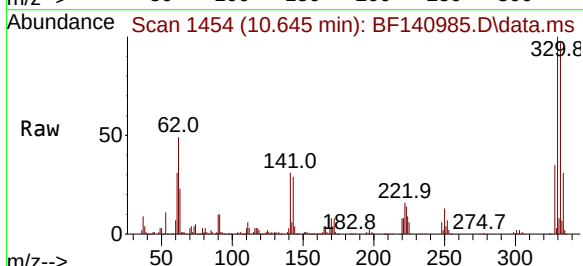
Instrument :
BNA_F
ClientSampleId :
PB165733TB

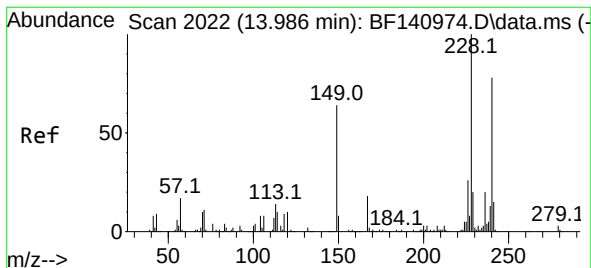
Tgt Ion:198 Resp: 1901
Ion Ratio Lower Upper
198 100
51 190.6 32.3 72.3#
105 189.4 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.240 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF140985.D
Acq: 27 Dec 2024 10:04

Tgt Ion:248 Resp: 54026
Ion Ratio Lower Upper
248 100
250 200.1 77.7 116.5#
141 482.3 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Instrument :

BNA_F

ClientSampleId :

PB165733TB

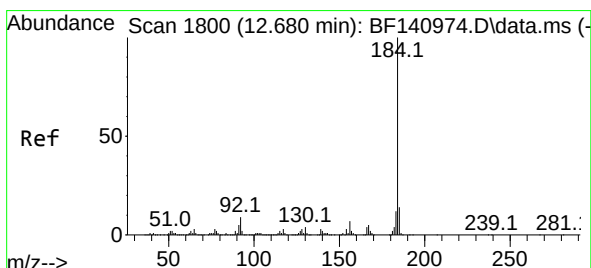
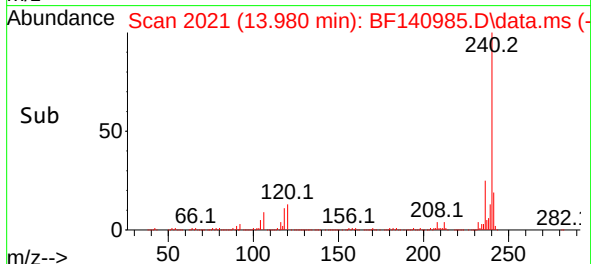
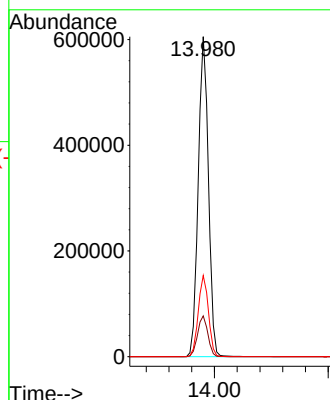
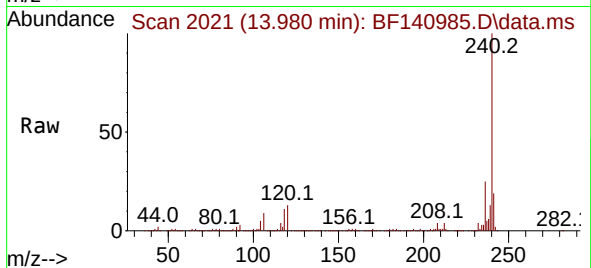
Tgt Ion:240 Resp: 755663

Ion Ratio Lower Upper

240 100

120 12.8 10.7 16.1

236 25.4 20.6 31.0



#77

Benzidine

Concen: 2.023 ng

RT: 12.674 min Scan# 1799

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

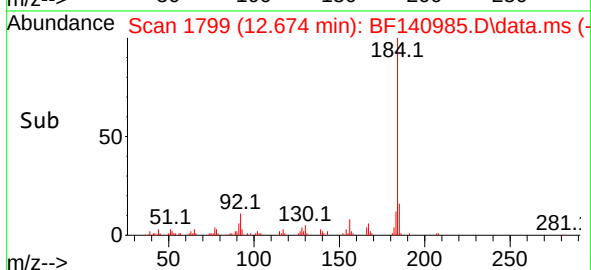
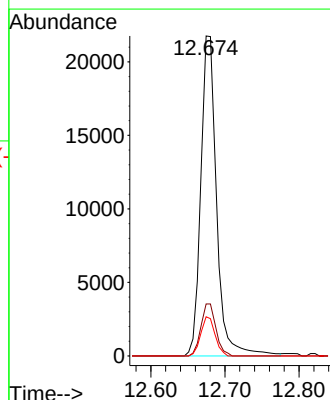
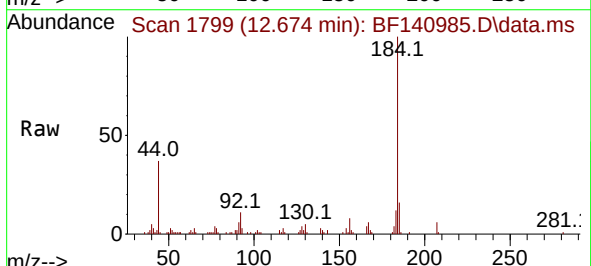
Tgt Ion:184 Resp: 32308

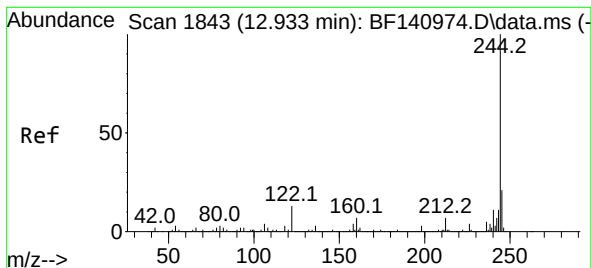
Ion Ratio Lower Upper

184 100

185 16.2 11.4 17.2

183 12.2 9.4 14.0





#79

Terphenyl-d14

Concen: 88.881 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Instrument :

BNA_F

ClientSampleId :

PB165733TB

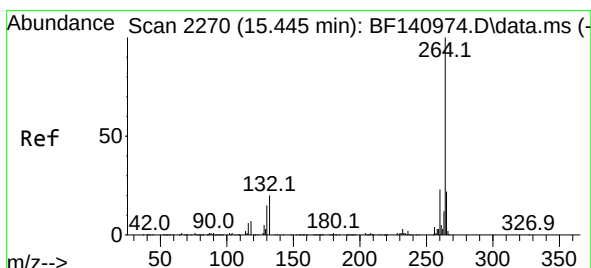
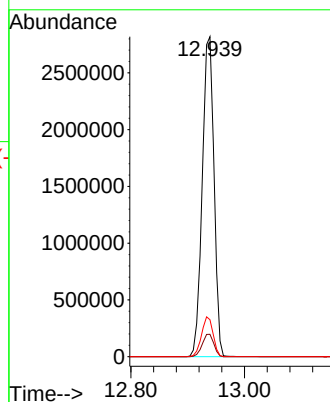
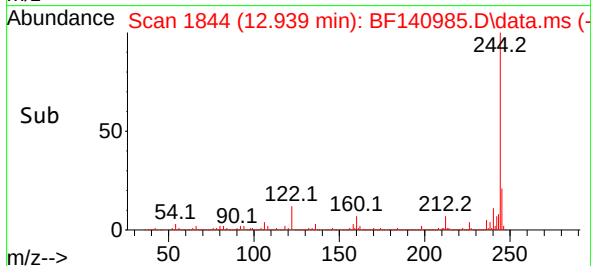
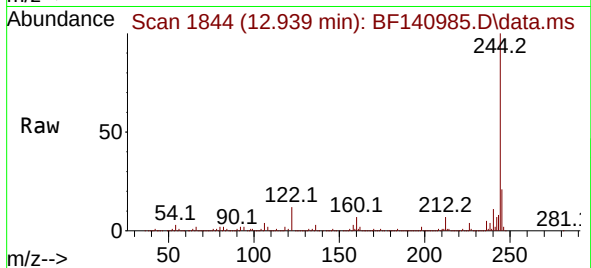
Tgt Ion:244 Resp: 4043590

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.5 10.2 15.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF140985.D

Acq: 27 Dec 2024 10:04

Tgt Ion:264 Resp: 599329

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 21.7 17.4 26.2

