

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140982.D
 Acq On : 27 Dec 2024 08:45
 Operator : RC/JU
 Sample : PB165790BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

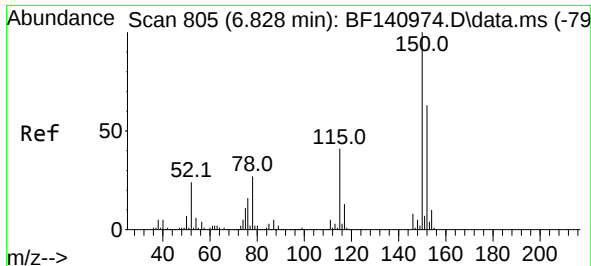
Instrument :
 BNA_F
 ClientSampleId :
 PB165790BL

Quant Time: Dec 27 10:37:27 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	286427	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1149989	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	613896	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1098737	20.000	ng	0.00
76) Chrysene-d12	13.980	240	877394	20.000	ng	0.00
86) Perylene-d12	15.439	264	775617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	2410308	126.847	ng	0.01
7) Phenol-d6	6.445	99	3010020	122.967	ng	0.00
23) Nitrobenzene-d5	7.386	82	1861605	103.568	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	829868	139.117	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	3367720	87.402	ng	0.00
79) Terphenyl-d14	12.939	244	4014152	75.992	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	2936	Below Cal		93
19) n-Nitroso-di-n-propyla...	7.386	70	250514	16.705 ng	#	79
25) Isophorone	7.386	82	1817979	46.479 ng	#	65
26) 2-Nitrophenol	7.722	139	842	5.392 ng	#	86
32) Benzoic acid	7.751	122	2516	7.872 ng	#	18
48) 2-Nitroaniline	9.392	65	771	4.717 ng	#	82
51) 2,6-Dinitrotoluene	9.857	165	80933	12.734 ng	#	23
53) 3-Nitroaniline	9.798	138	290	3.295 ng	#	70
57) 2,4-Dinitrotoluene	9.857	165	80933	11.778 ng	#	21
62) 4-Nitroaniline	10.404	138	454	3.393 ng	#	74
65) 4,6-Dinitro-2-methylph...	10.645	198	1947	9.701 ng	#	1

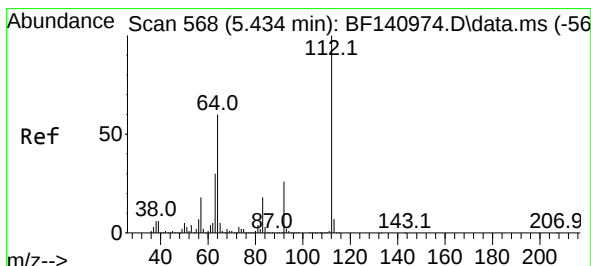
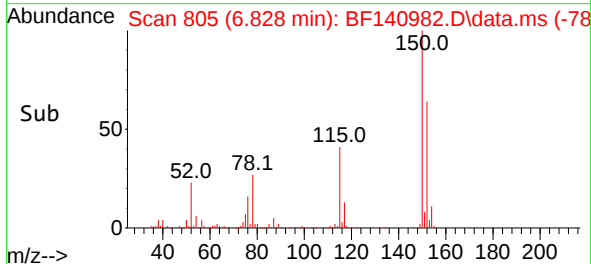
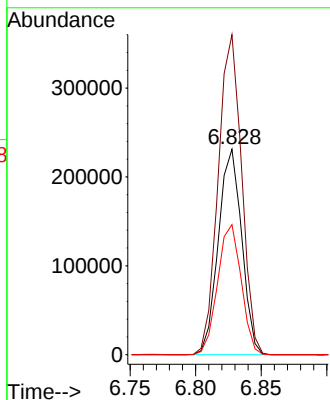
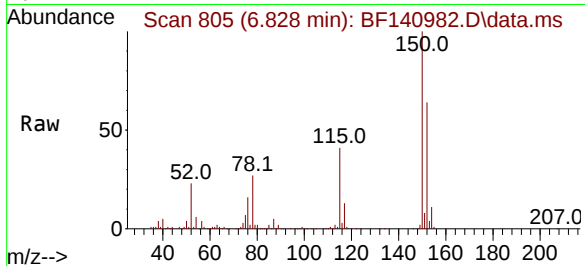
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF140982.D
 Acq: 27 Dec 2024 08:45

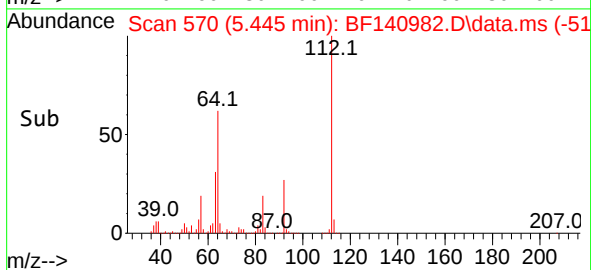
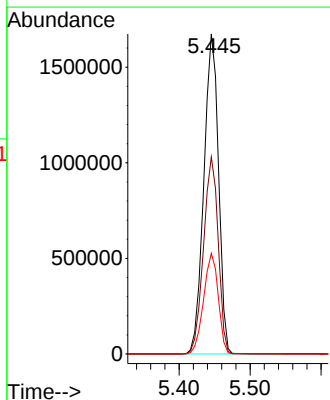
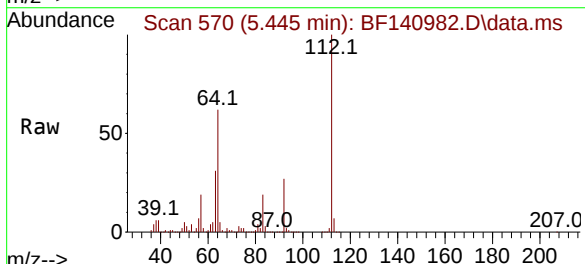
Instrument :
 BNA_F
 ClientSampleId :
 PB165790BL

Tgt Ion:152 Resp: 286427
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.0 190.6
 115 63.3 51.7 77.5



#5
 2-Fluorophenol
 Concen: 126.847 ng
 RT: 5.445 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: BF140982.D
 Acq: 27 Dec 2024 08:45

Tgt Ion:112 Resp: 2410308
 Ion Ratio Lower Upper
 112 100
 64 61.6 47.7 71.5
 63 31.5 24.2 36.2

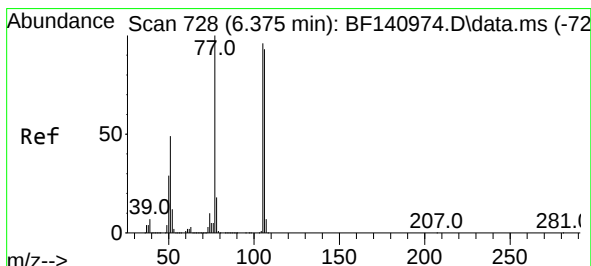
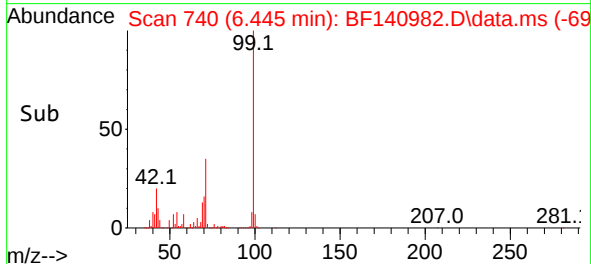
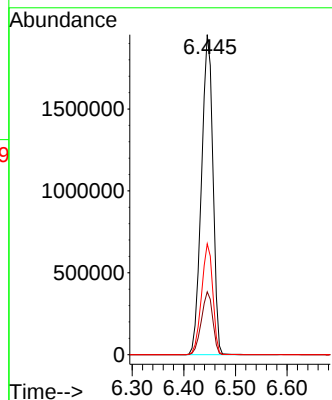
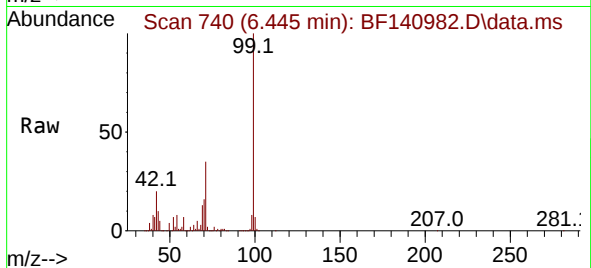




#7
Phenol-d6
Concen: 122.967 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

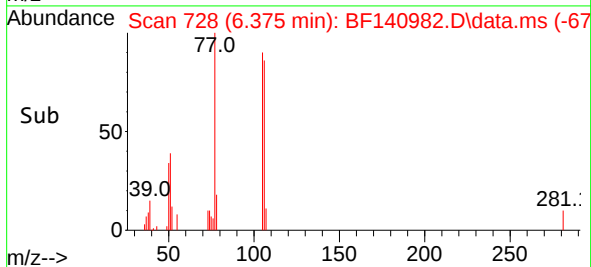
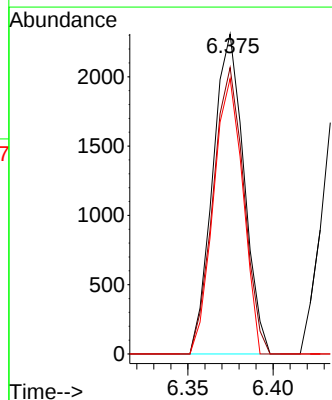
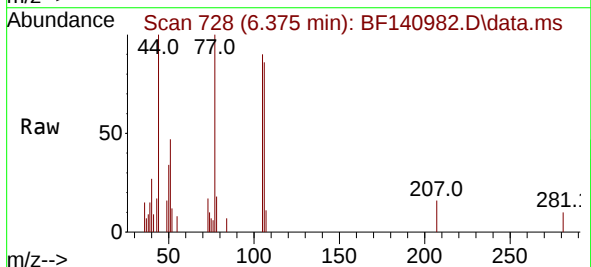
Instrument :
BNA_F
ClientSampleId :
PB165790BL

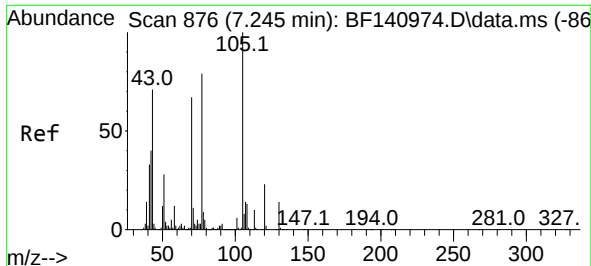
Tgt Ion: 99 Resp: 3010020
Ion Ratio Lower Upper
99 100
42 19.6 15.0 22.4
71 34.6 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion: 77 Resp: 2936
Ion Ratio Lower Upper
77 100
105 89.5 76.2 116.2
106 86.1 73.4 113.4

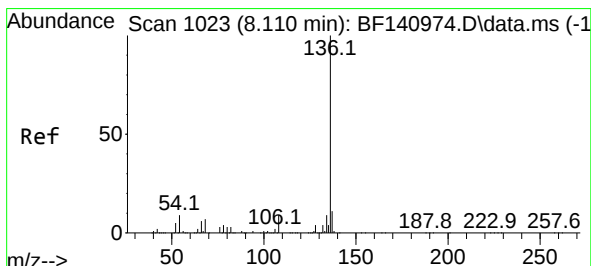
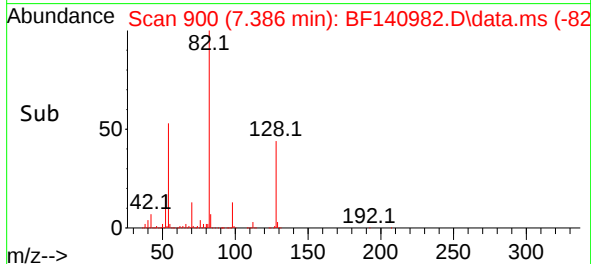
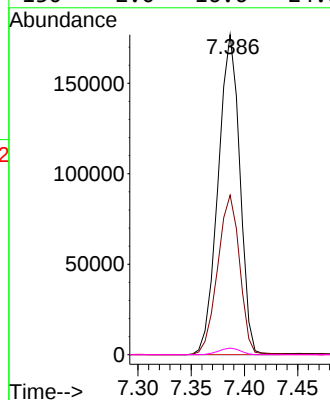
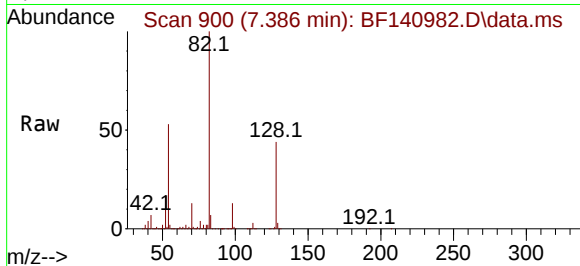




#19
n-Nitroso-di-n-propylamine
Concen: 16.705 ng
RT: 7.386 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

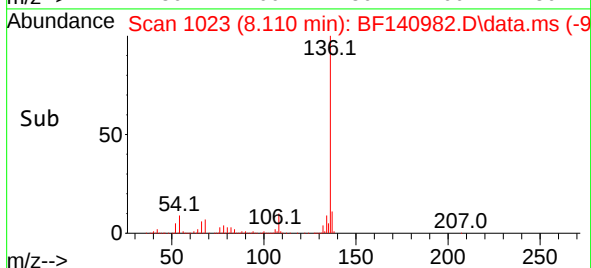
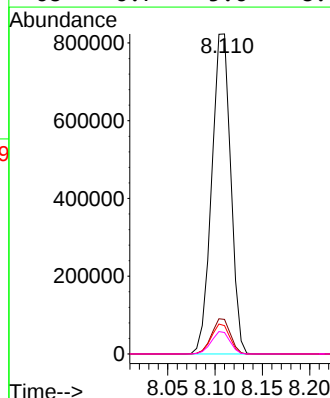
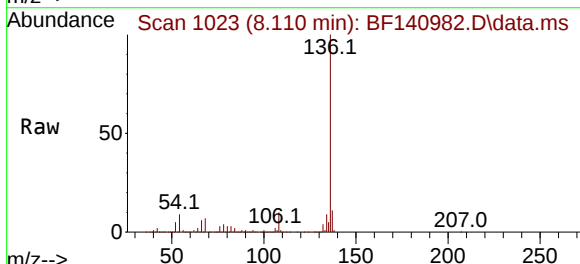
Instrument :
BNA_F
ClientSampleId :
PB165790BL

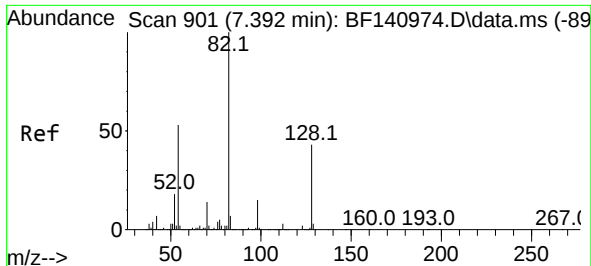
Tgt Ion: 70 Resp: 250514
Ion Ratio Lower Upper
70 100
42 49.8 48.1 72.1
101 0.0 7.6 11.4#
130 2.0 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion:136 Resp: 1149989
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.9 7.6 11.4
68 6.7 5.6 8.4





#23

Nitrobenzene-d5

Concen: 103.568 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

Instrument :

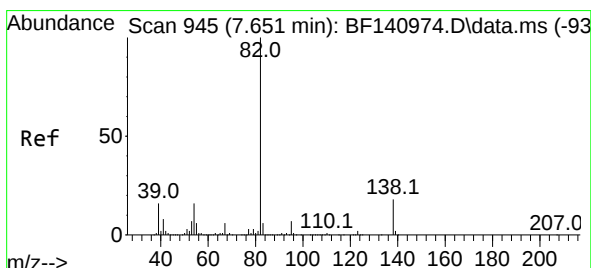
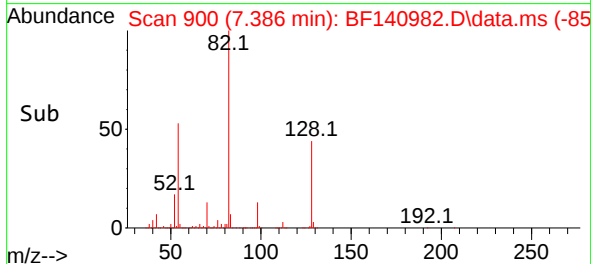
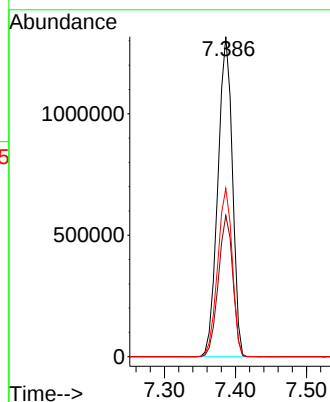
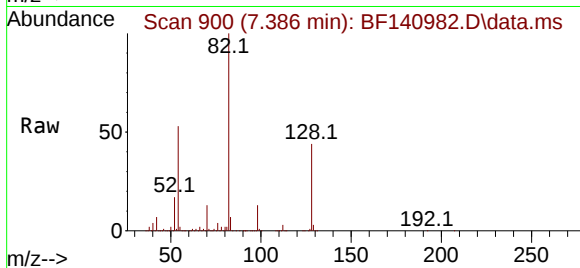
BNA_F

ClientSampleId :

PB165790BL

Tgt Ion: 82 Resp: 1861605

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.4	51.6
54	52.6	42.4	63.6



#25

Isophorone

Concen: 46.479 ng

RT: 7.386 min Scan# 900

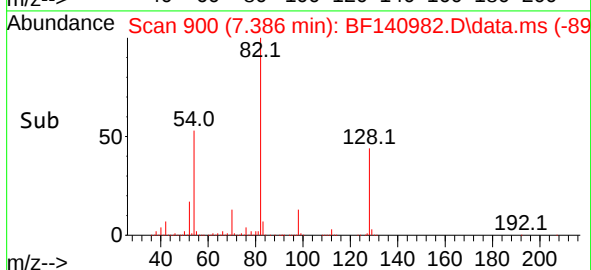
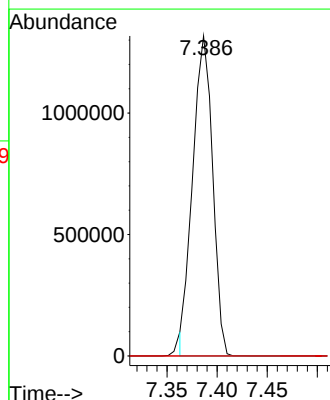
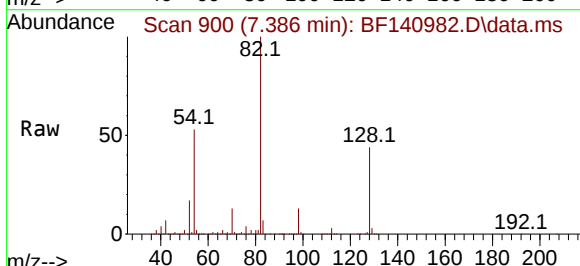
Delta R.T. -0.265 min

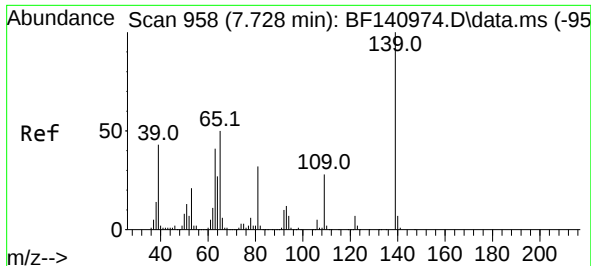
Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

Tgt Ion: 82 Resp: 1817979

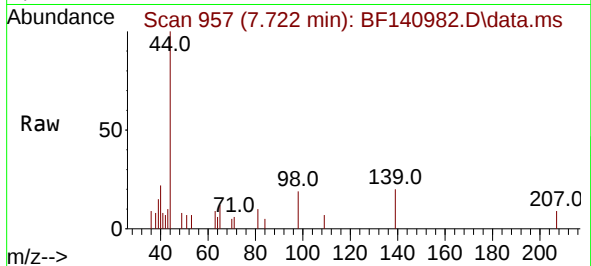
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#



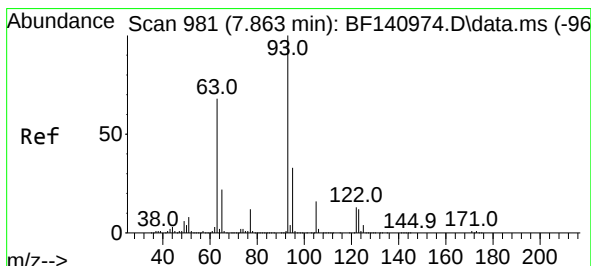
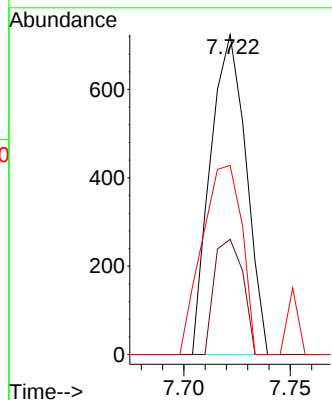
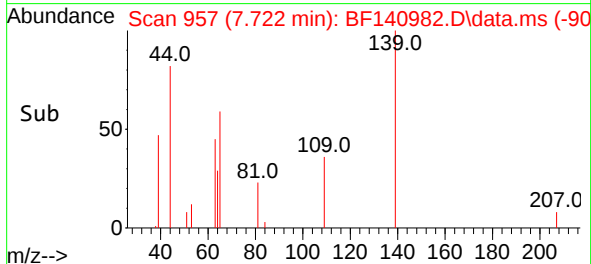


#26
2-Nitrophenol
Concen: 5.392 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Instrument :
BNA_F
ClientSampleId :
PB165790BL

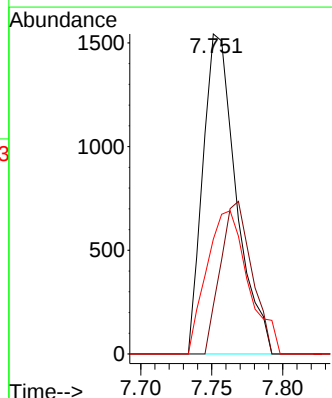
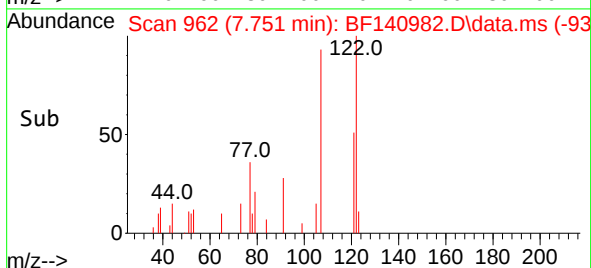
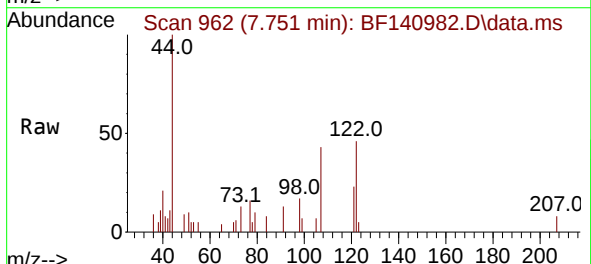


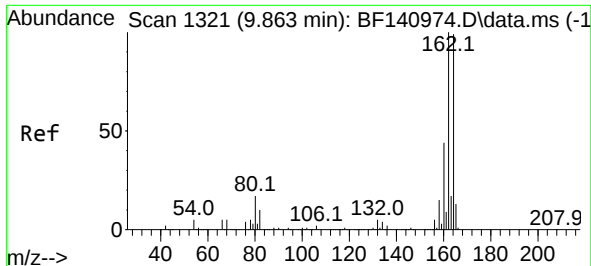
Tgt Ion:139 Resp: 842
Ion Ratio Lower Upper
139 100
109 36.0 22.2 33.4#
65 59.1 40.2 60.4



#32
Benzoic acid
Concen: 7.872 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.112 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion:122 Resp: 2516
Ion Ratio Lower Upper
122 100
105 15.2 105.4 145.4#
77 35.8 76.4 116.4#

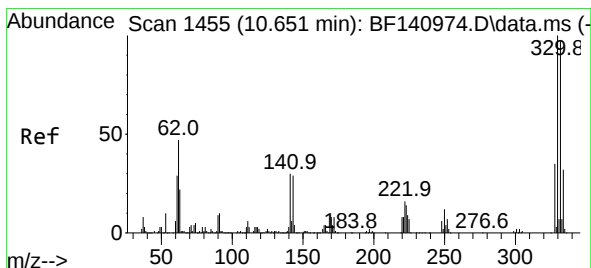
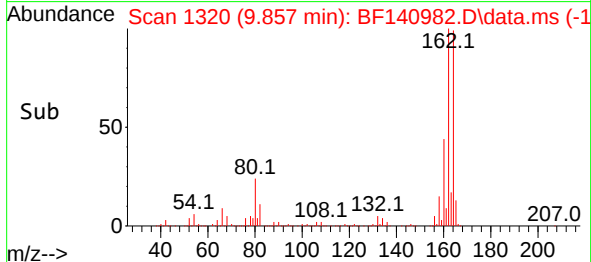
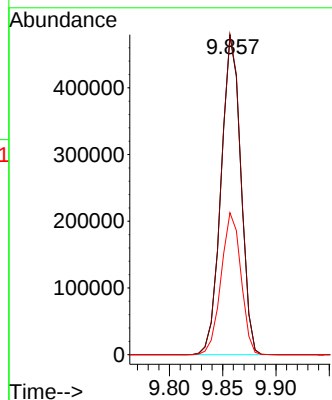
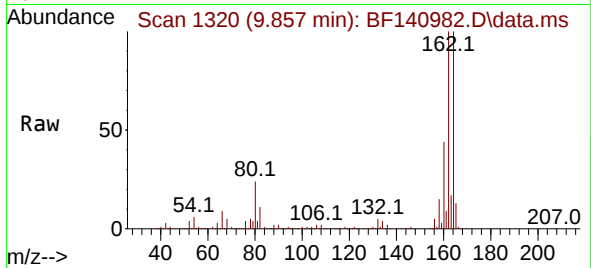




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

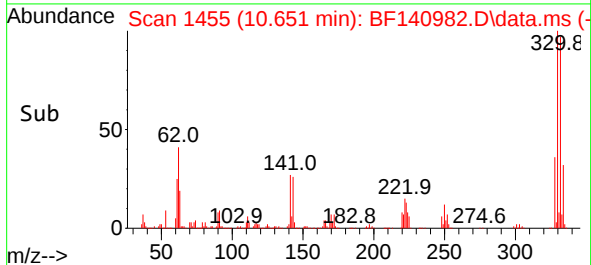
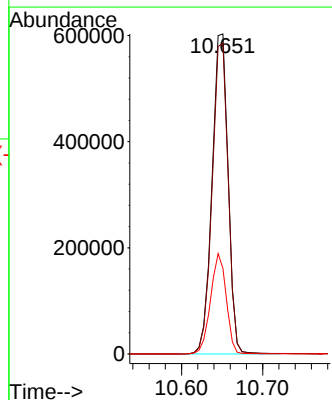
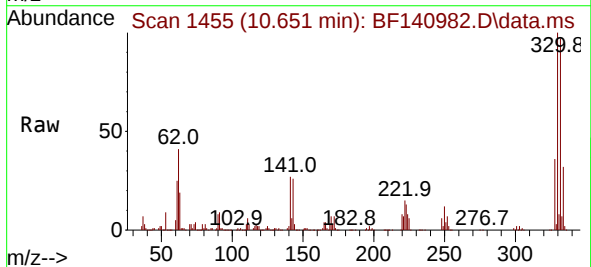
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BNA_F
ClientSampleId :
PB165790BL

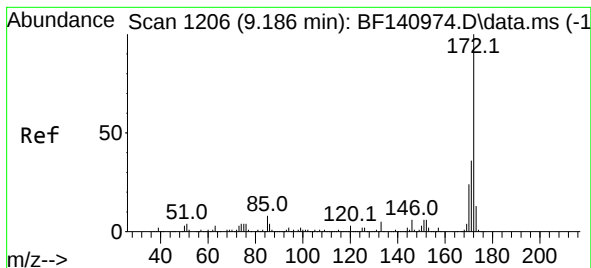
Tgt Ion:164 Resp: 613896
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 44.6 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 139.117 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion:330 Resp: 829868
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 30.6 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 87.402 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

Instrument :

BNA_F

ClientSampleId :

PB165790BL

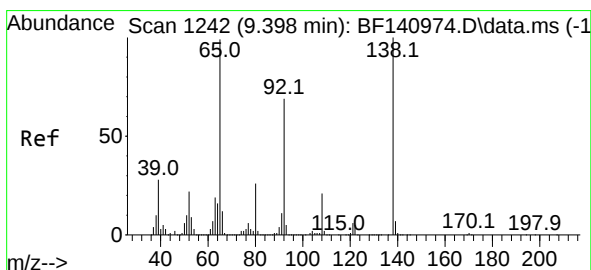
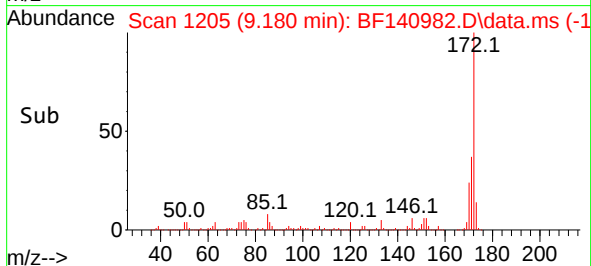
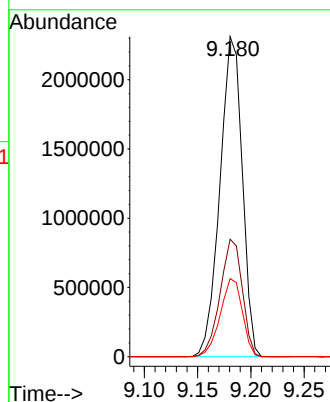
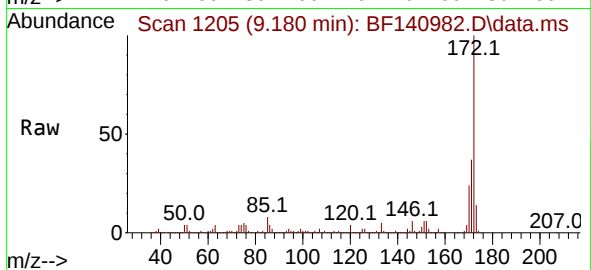
Tgt Ion:172 Resp: 3367720

Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.4

170 24.4 19.6 29.4



#48

2-Nitroaniline

Concen: 4.717 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

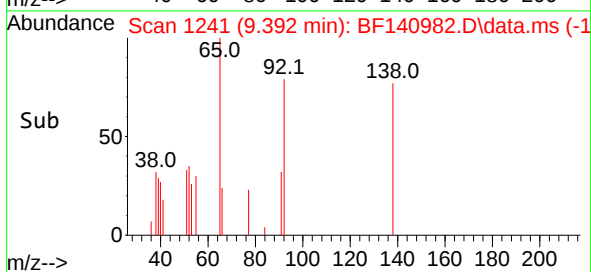
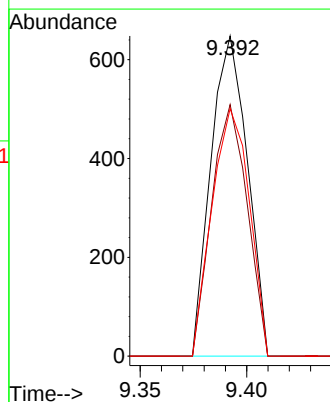
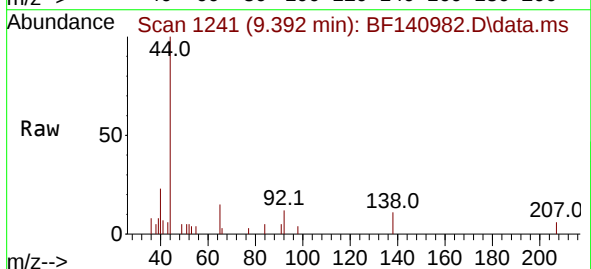
Tgt Ion: 65 Resp: 771

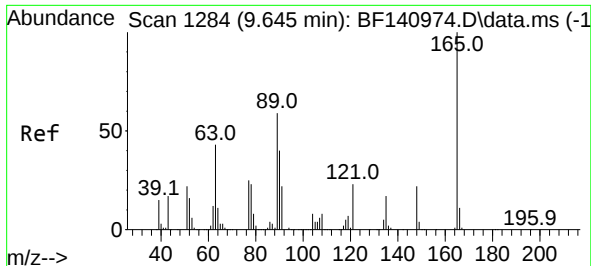
Ion Ratio Lower Upper

65 100

92 78.5 55.6 83.4

138 77.3 80.5 120.7#

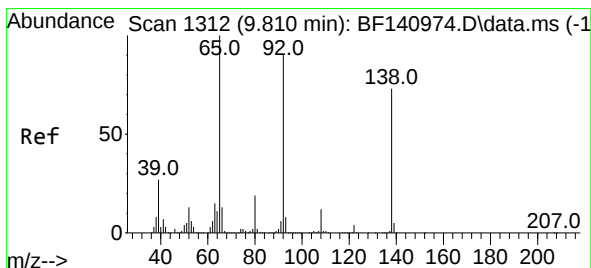
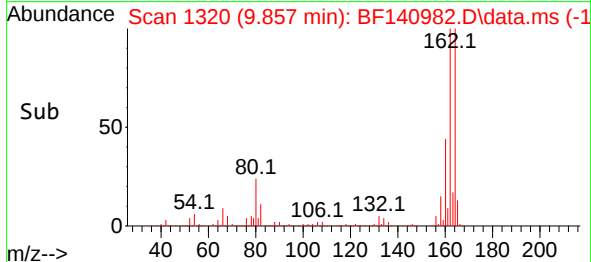
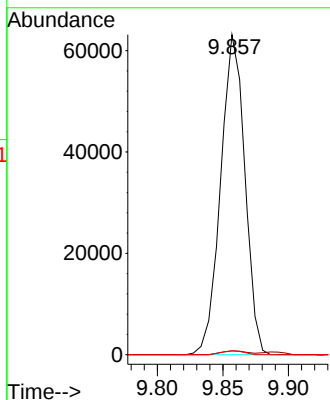
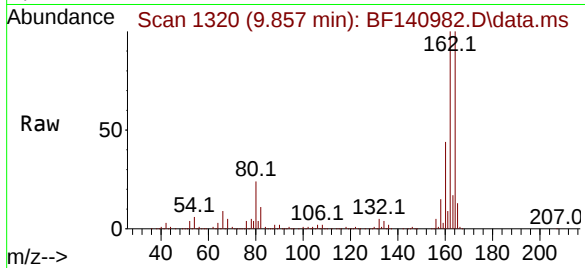




#51
2,6-Dinitrotoluene
Concen: 12.734 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

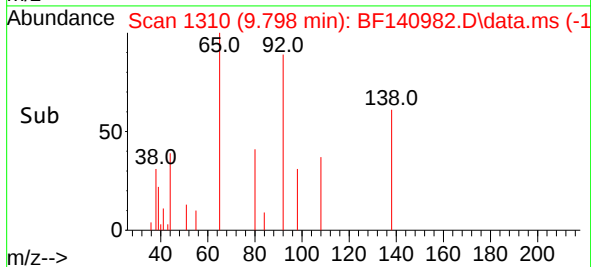
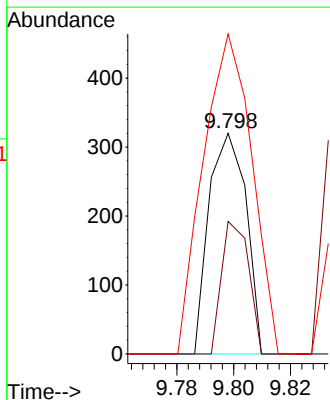
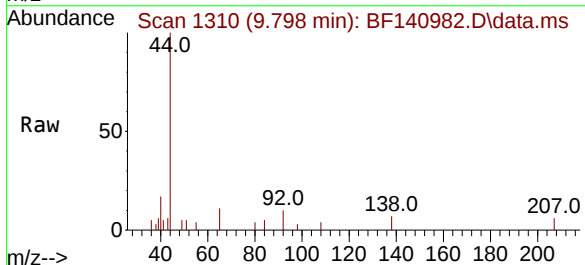
Instrument :
BNA_F
ClientSampleId :
PB165790BL

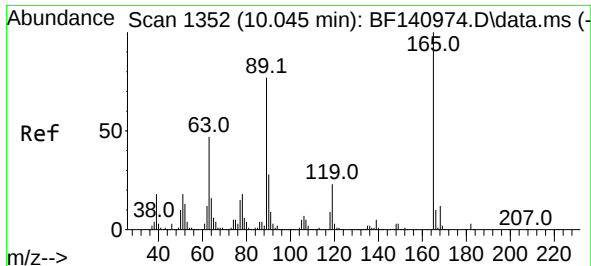
Tgt Ion:165 Resp: 80933
Ion Ratio Lower Upper
165 100
63 1.2 47.1 70.7#
89 1.2 47.0 70.4#



#53
3-Nitroaniline
Concen: 3.295 ng
RT: 9.798 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion:138 Resp: 290
Ion Ratio Lower Upper
138 100
108 60.0 13.5 20.3#
92 145.0 97.7 146.5

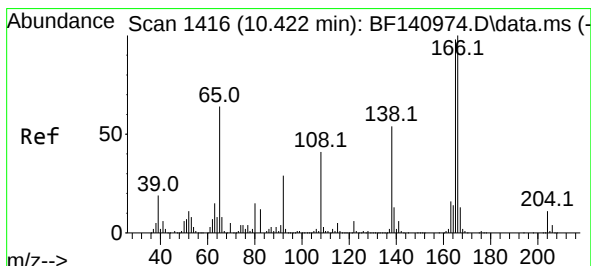
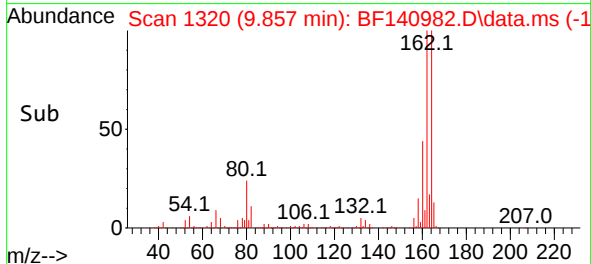
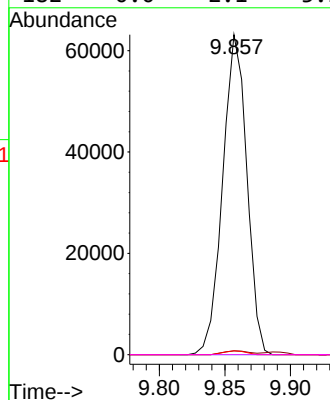
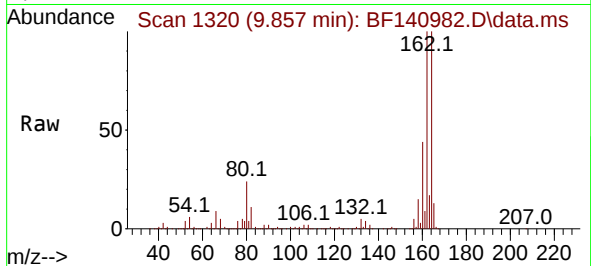




#57
2,4-Dinitrotoluene
Concen: 11.778 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

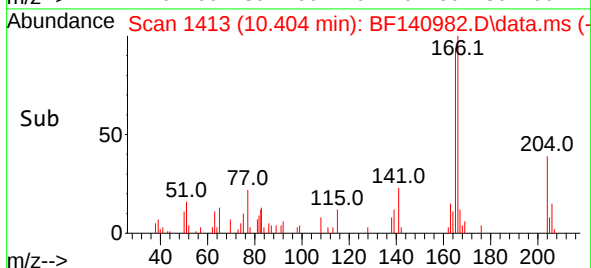
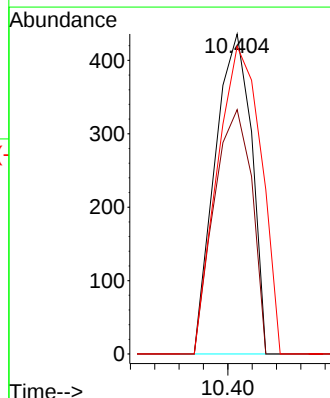
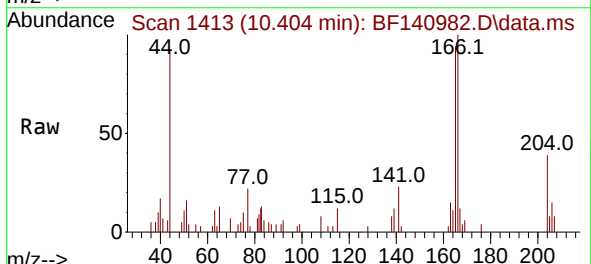
Instrument :
BNA_F
ClientSampleId :
PB165790BL

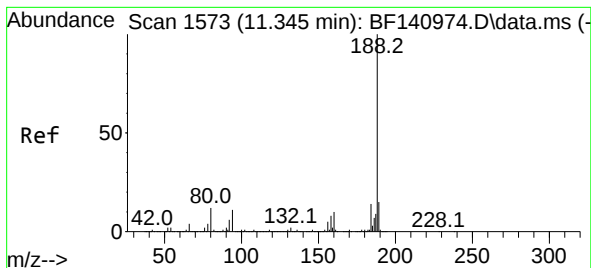
Tgt Ion:165 Resp: 80933
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.393 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Tgt Ion:138 Resp: 454
Ion Ratio Lower Upper
138 100
92 76.4 34.8 74.8#
108 96.1 55.9 95.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

Instrument :

BNA_F

ClientSampleId :

PB165790BL

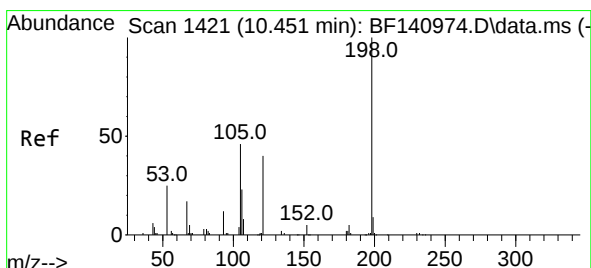
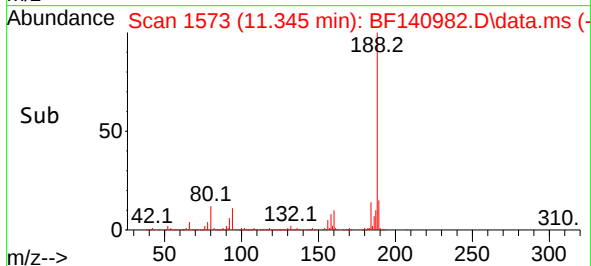
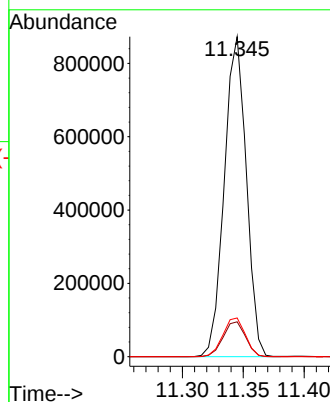
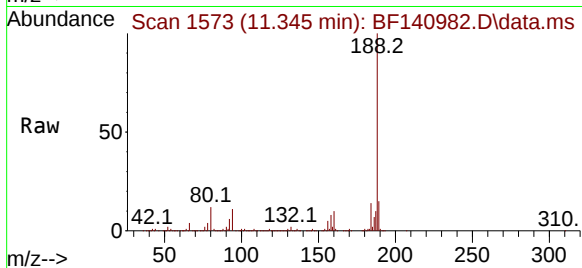
Tgt Ion:188 Resp: 1098737

Ion Ratio Lower Upper

188 100

94 10.9 9.0 13.6

80 12.1 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.701 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

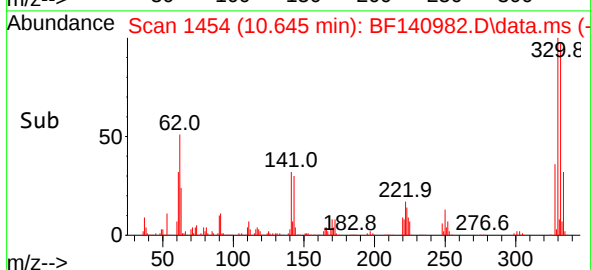
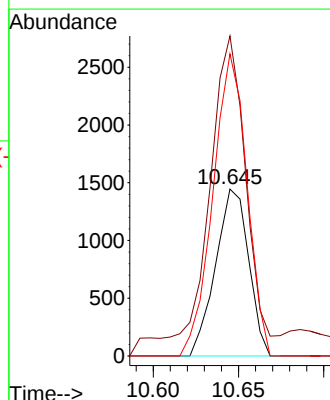
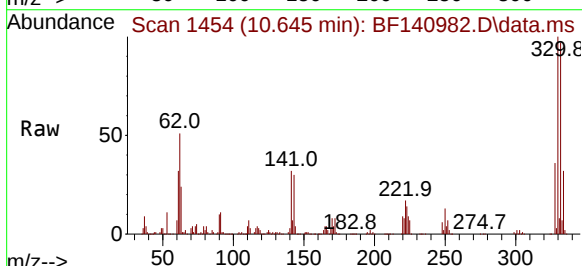
Tgt Ion:198 Resp: 1947

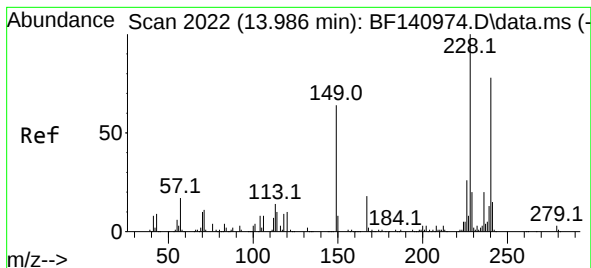
Ion Ratio Lower Upper

198 100

51 191.8 32.3 72.3#

105 181.0 28.4 68.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

Instrument :

BNA_F

ClientSampleId :

PB165790BL

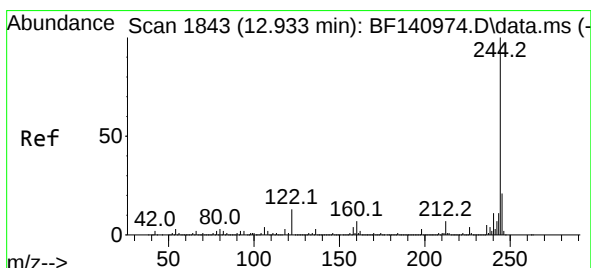
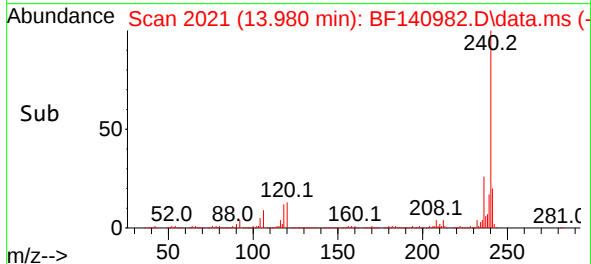
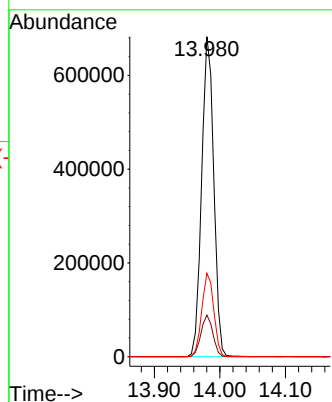
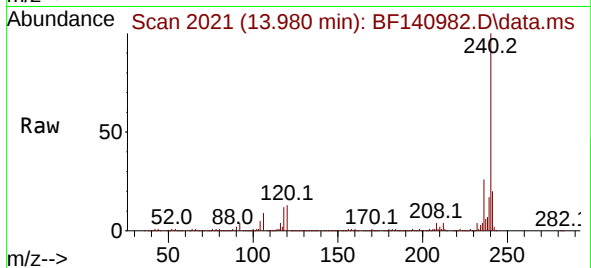
Tgt Ion:240 Resp: 877394

Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

236 26.1 20.6 31.0



#79

Terphenyl-d14

Concen: 75.992 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF140982.D

Acq: 27 Dec 2024 08:45

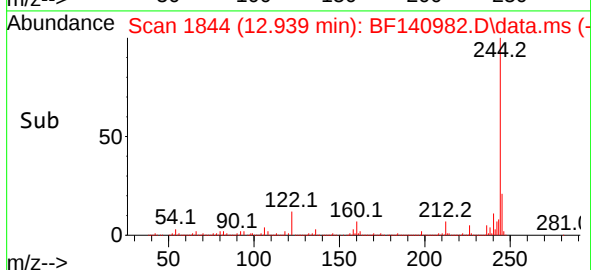
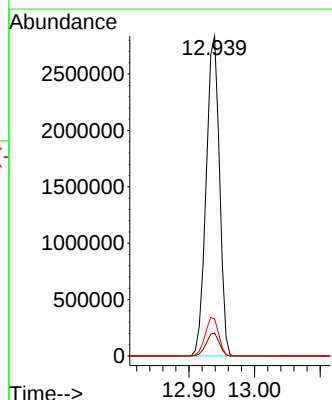
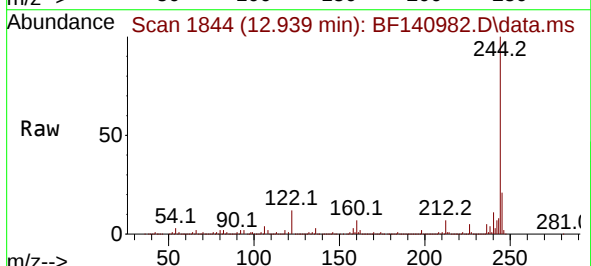
Tgt Ion:244 Resp: 4014152

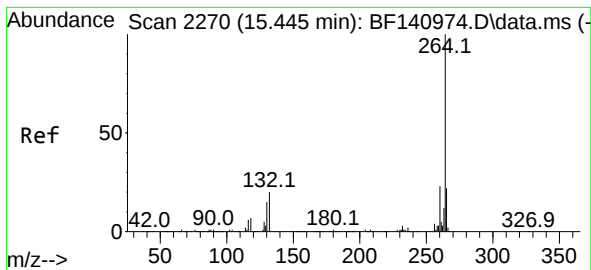
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 11.6 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140982.D
Acq: 27 Dec 2024 08:45

Instrument :
BNA_F
ClientSampleId :
PB165790BL

Tgt Ion:264 Resp: 775617
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.7 17.4 26.2

