

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140998.D
 Acq On : 27 Dec 2024 16:03
 Operator : RC/JU
 Sample : P5299-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Quant Time: Dec 27 16:36:04 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)

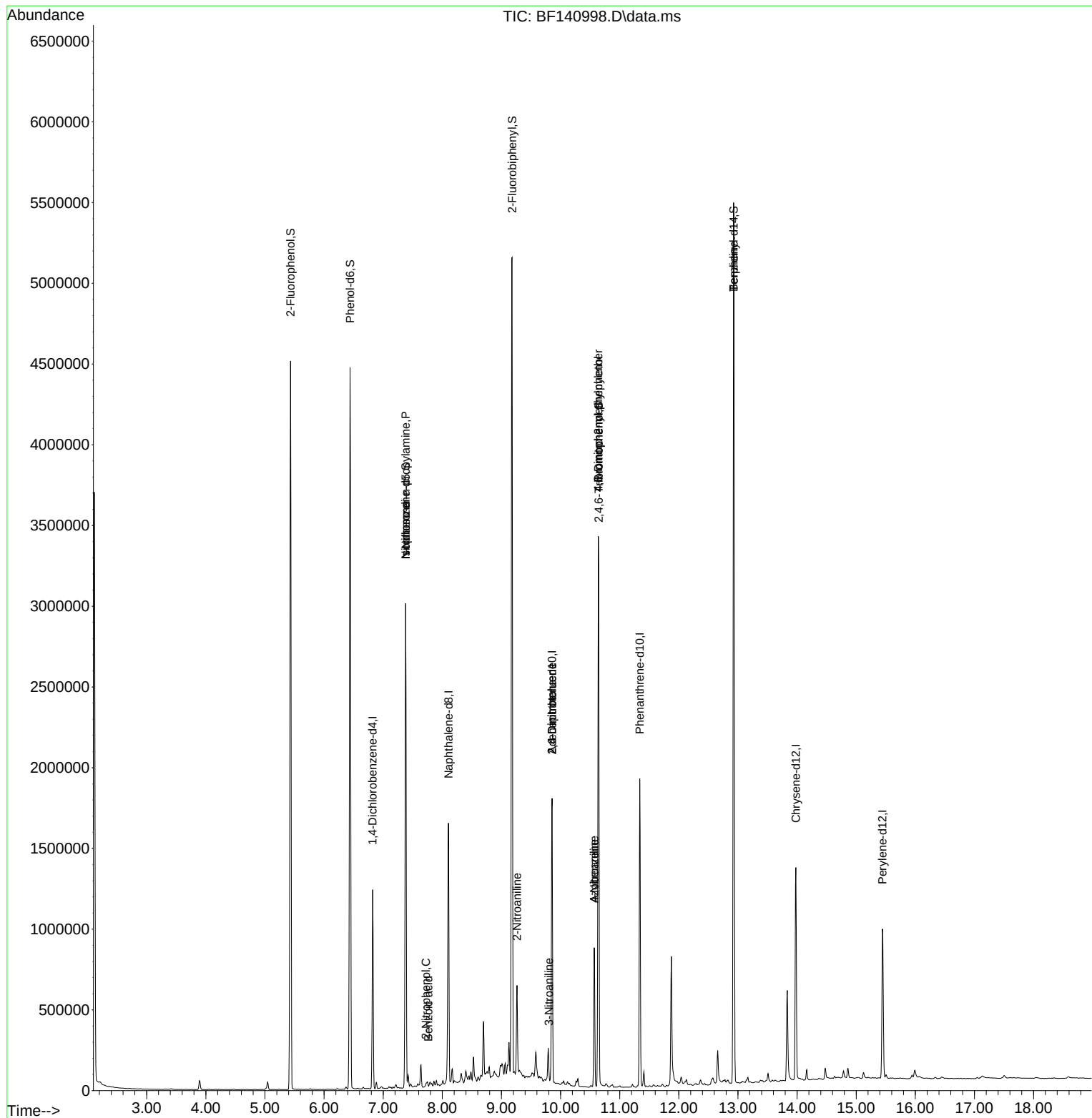
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	248948	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	990169	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	532678	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	920169	20.000	ng	0.00
76) Chrysene-d12	13.980	240	611482	20.000	ng	0.00
86) Perylene-d12	15.445	264	533372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1742406	105.503	ng	0.00
7) Phenol-d6	6.440	99	2199933	103.403	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1344513	86.873	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	606069	117.091	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2366923	70.795	ng	0.00
79) Terphenyl-d14	12.927	244	2710716	73.632	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.369	77	653	Below Cal		84
19) n-Nitroso-di-n-propyla...	7.381	70	181791	13.948	ng	# 79
25) Isophorone	7.381	82	1325447	39.356	ng	# 65
26) 2-Nitrophenol	7.722	139	117	5.316	ng	# 1
32) Benzoic acid	7.763	122	244	7.713	ng	# 69
48) 2-Nitroaniline	9.263	65	765	4.727	ng	# 40
51) 2,6-Dinitrotoluene	9.857	165	70119	12.721	ng	# 23
53) 3-Nitroaniline	9.804	138	338	3.305	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	71464	11.907	ng	# 21
62) 4-Nitroaniline	10.569	138	177	3.367	ng	# 40
63) Azobenzene	10.569	77	218300	6.013	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	1111	9.587	ng	# 1
67) 4-Bromophenyl-phenylether	10.639	248	37773	3.797	ng	# 1
77) Benzidine	12.927	184	35543	2.750	ng	# 91

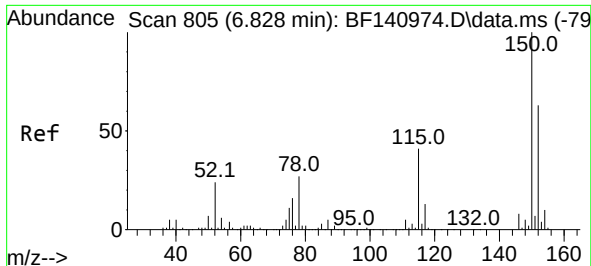
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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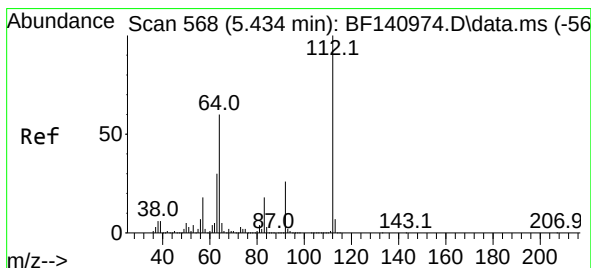
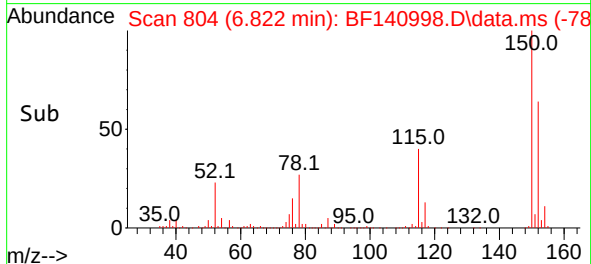
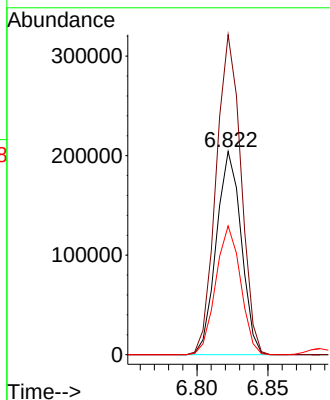
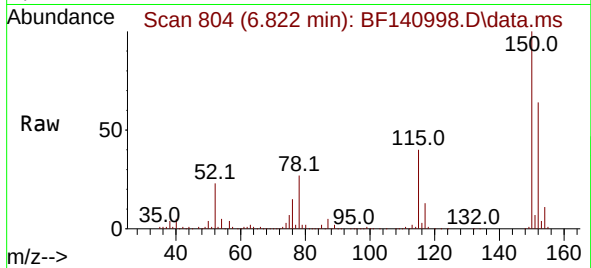




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

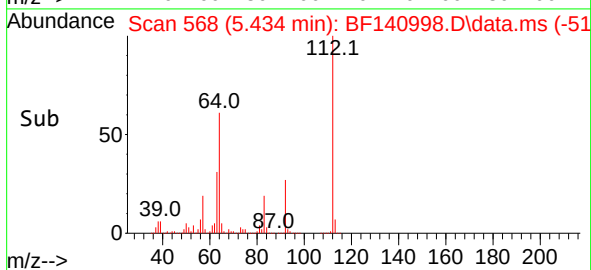
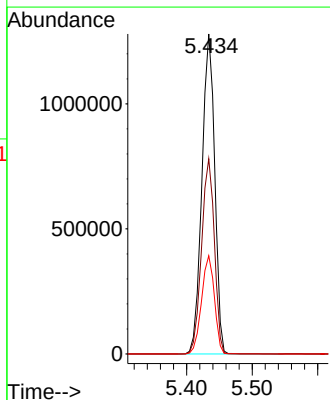
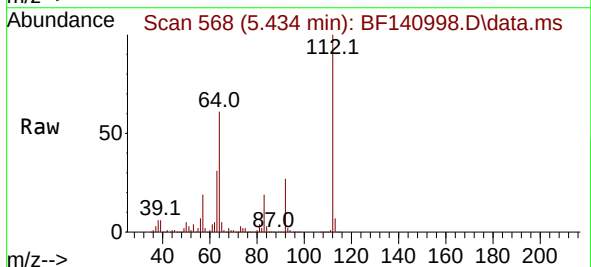
Instrument :
BNA_F
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SB-02

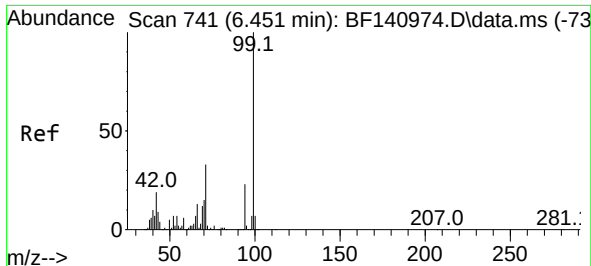
Tgt Ion:152 Resp: 248948
Ion Ratio Lower Upper
152 100
150 157.4 127.0 190.6
115 63.4 51.7 77.5



#5
2-Fluorophenol
Concen: 105.503 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:112 Resp: 1742406
Ion Ratio Lower Upper
112 100
64 61.0 47.7 71.5
63 30.7 24.2 36.2

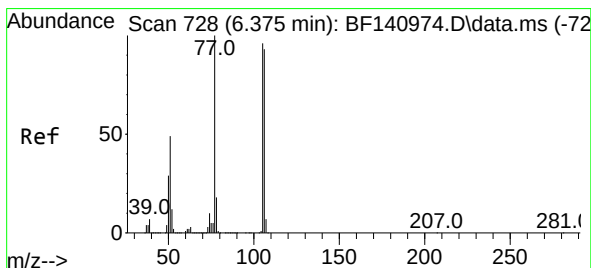
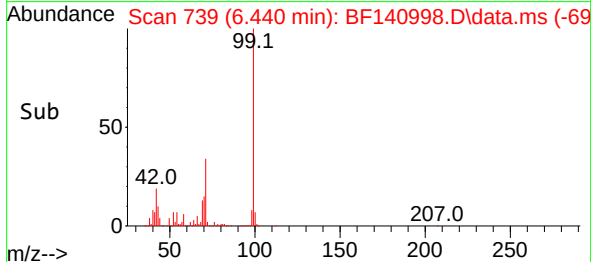
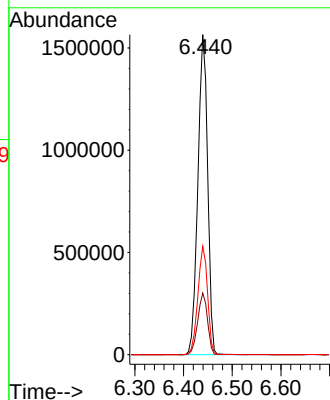
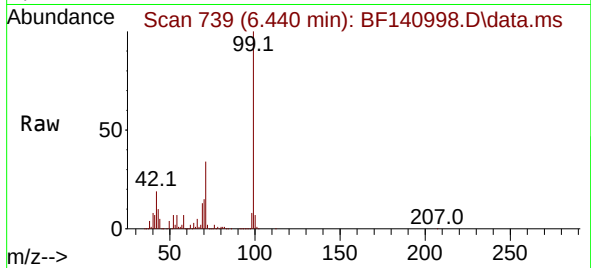




#7
Phenol-d6
Concen: 103.403 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

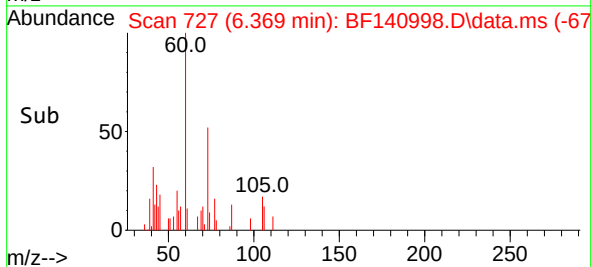
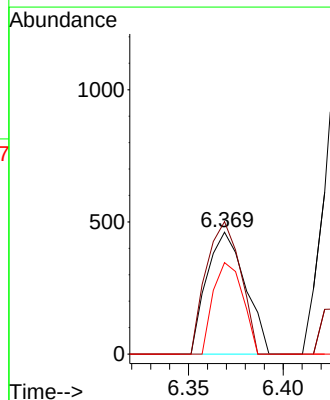
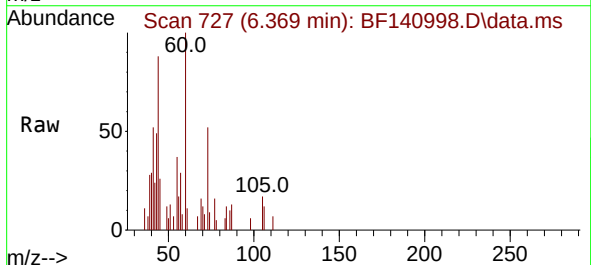
Instrument :
BNA_F
ClientSampleId :
SB-02

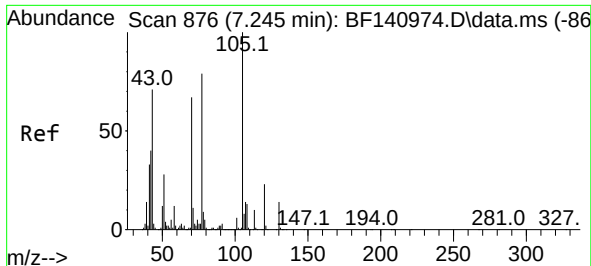
Tgt Ion: 99 Resp: 2199933
Ion Ratio Lower Upper
99 100
42 19.2 15.0 22.4
71 33.9 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion: 77 Resp: 653
Ion Ratio Lower Upper
77 100
105 108.7 76.2 116.2
106 75.1 73.4 113.4

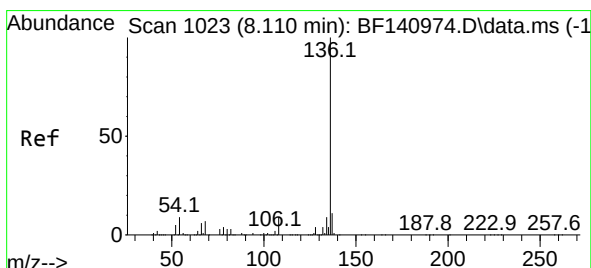
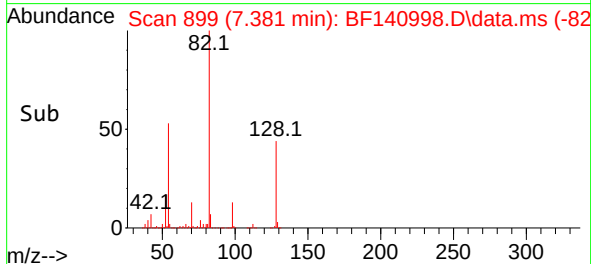
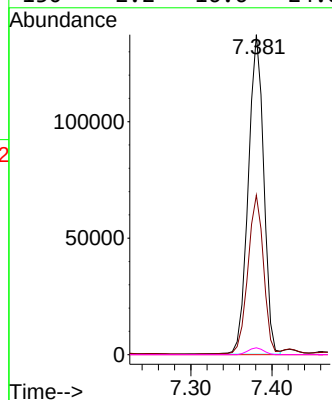
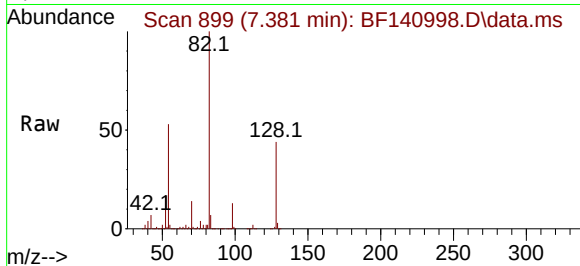




#19
n-Nitroso-di-n-propylamine
Concen: 13.948 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

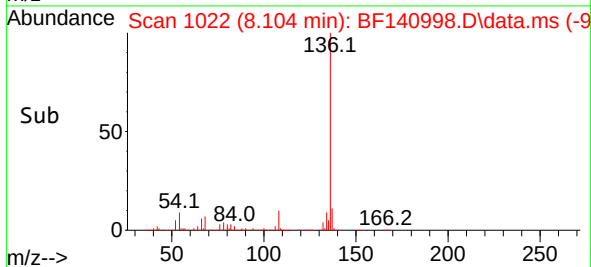
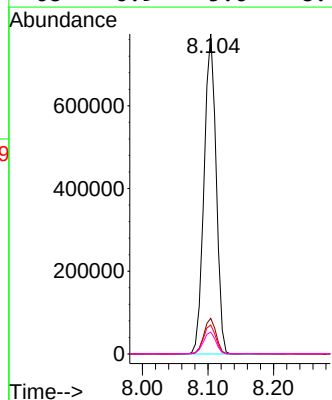
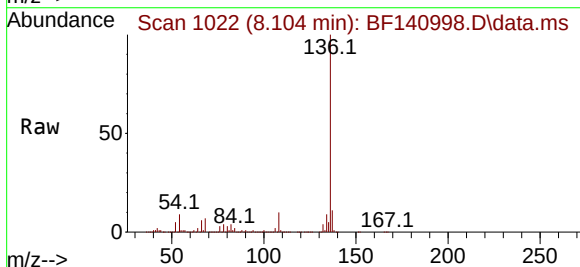
Instrument :
BNA_F
ClientSampleId :
SB-02

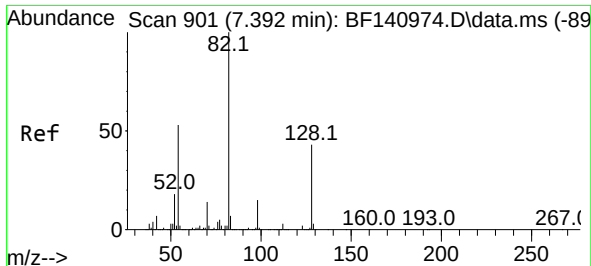
Tgt Ion: 70 Resp: 181791
Ion Ratio Lower Upper
70 100
42 49.9 48.1 72.1
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion: 136 Resp: 990169
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.1 7.6 11.4
68 6.9 5.6 8.4

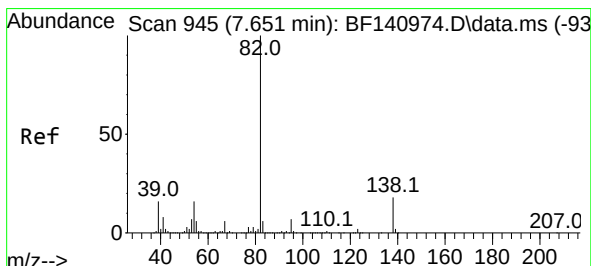
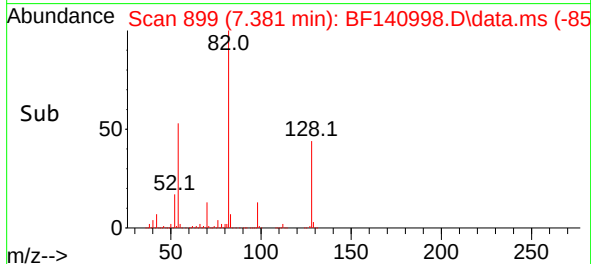
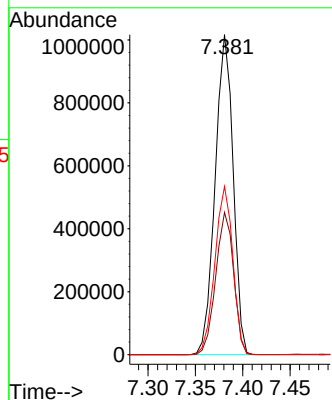
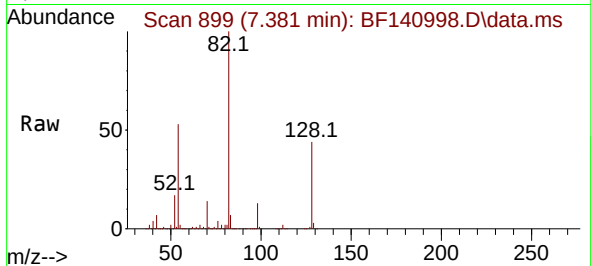




#23
Nitrobenzene-d5
Concen: 86.873 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

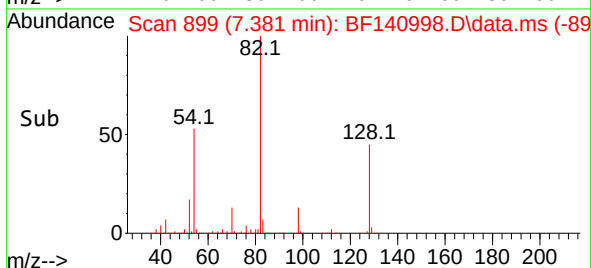
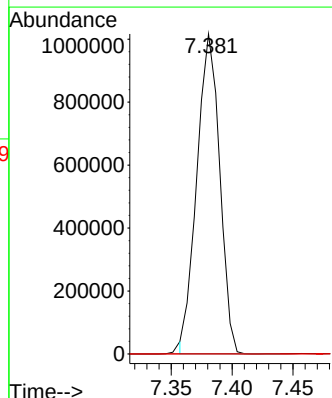
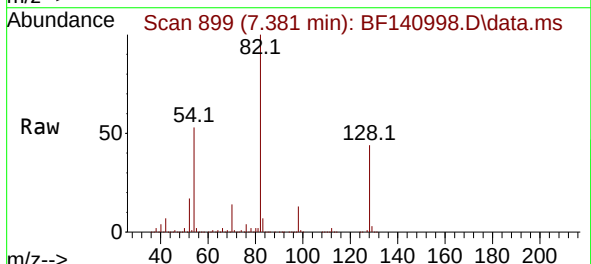
Instrument :
BNA_F
ClientSampleId :
SB-02

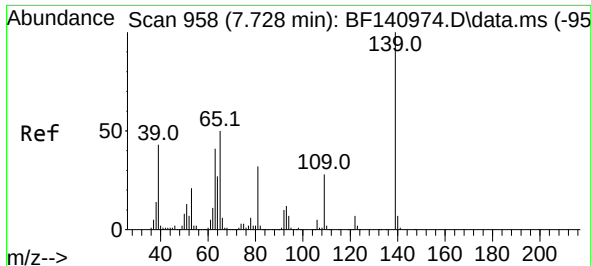
Tgt Ion: 82 Resp: 1344513
Ion Ratio Lower Upper
82 100
128 44.5 34.4 51.6
54 52.5 42.4 63.6



#25
Isophorone
Concen: 39.356 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion: 82 Resp: 1325447
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

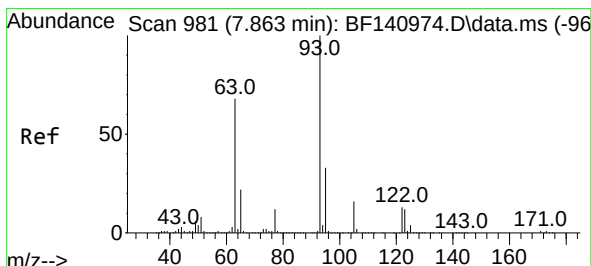
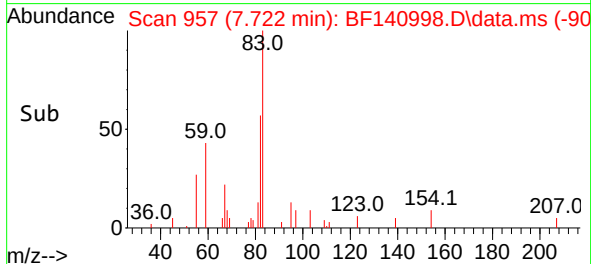
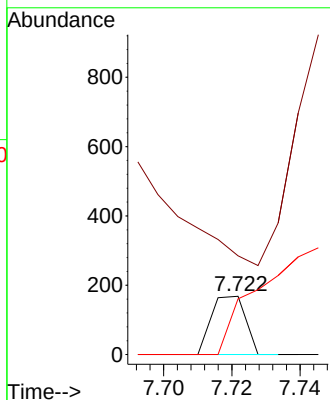
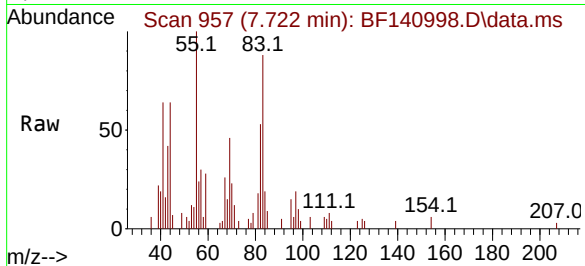




#26
2-Nitrophenol
Concen: 5.316 ng
RT: 7.722 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

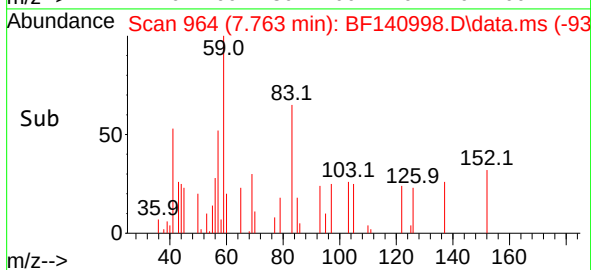
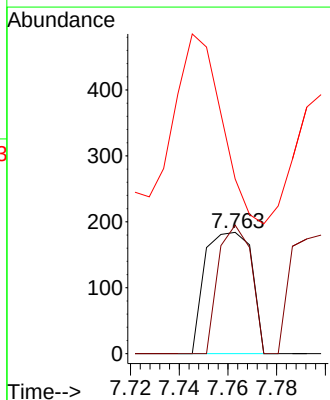
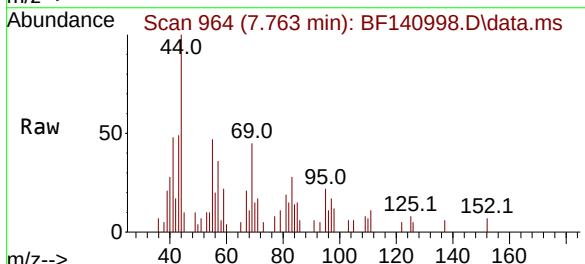
Instrument :
BNA_F
ClientSampleId :
SB-02

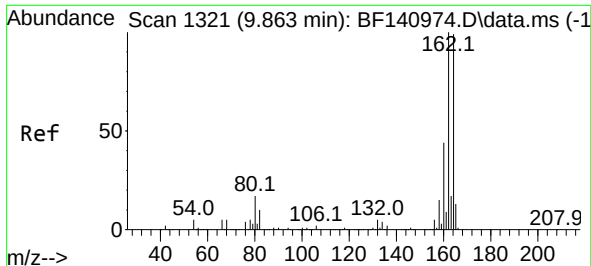
Tgt Ion:139 Resp: 117
Ion Ratio Lower Upper
139 100
109 169.6 22.2 33.4#
65 95.8 40.2 60.4#



#32
Benzoic acid
Concen: 7.713 ng
RT: 7.763 min Scan# 964
Delta R.T. -0.100 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:122 Resp: 244
Ion Ratio Lower Upper
122 100
105 106.0 105.4 145.4
77 144.0 76.4 116.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

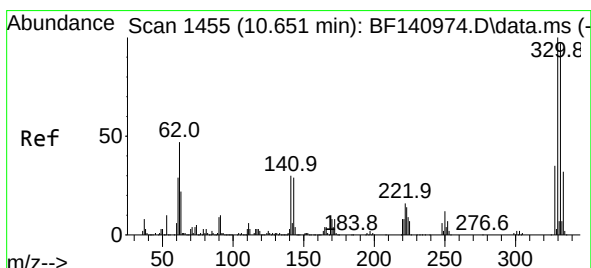
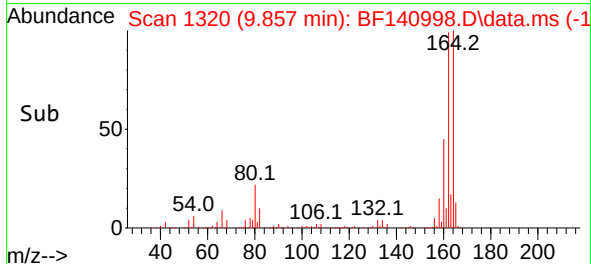
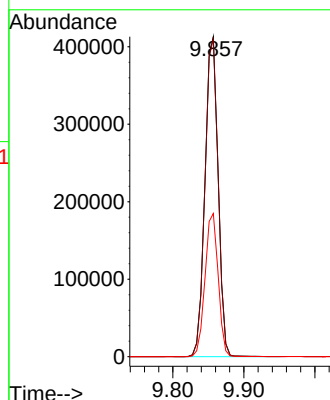
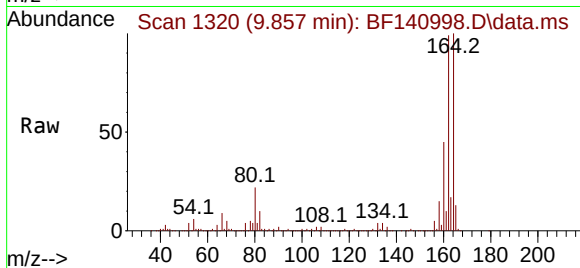
Tgt Ion:164 Resp: 532678

Ion Ratio Lower Upper

164 100

162 99.2 80.6 120.8

160 44.7 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 117.091 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

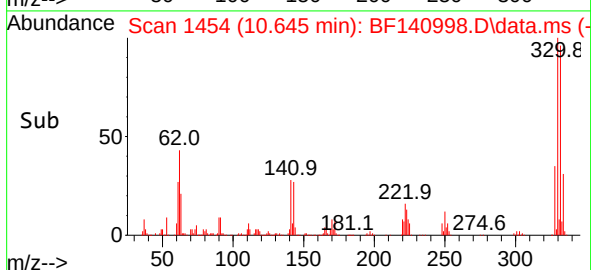
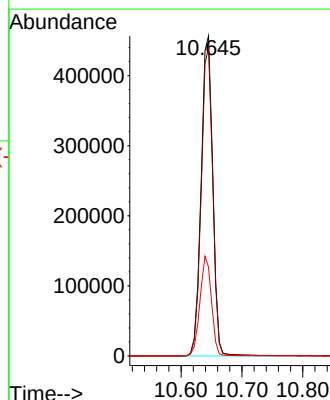
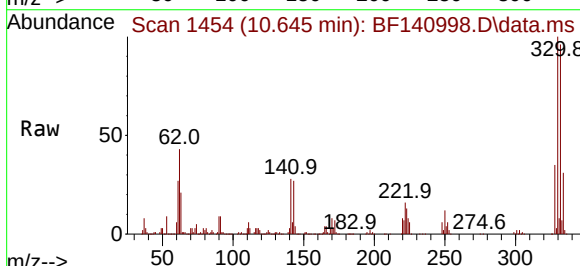
Tgt Ion:330 Resp: 606069

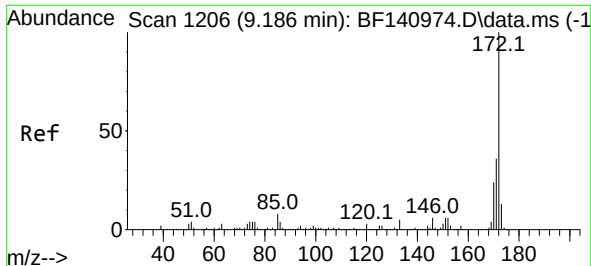
Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 30.9 26.4 39.6

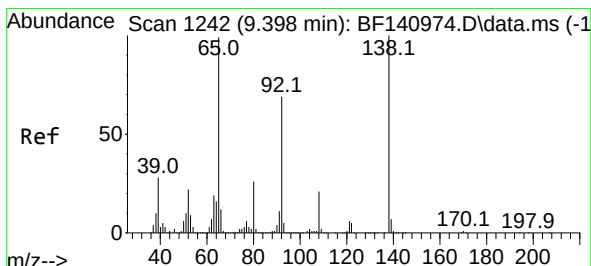
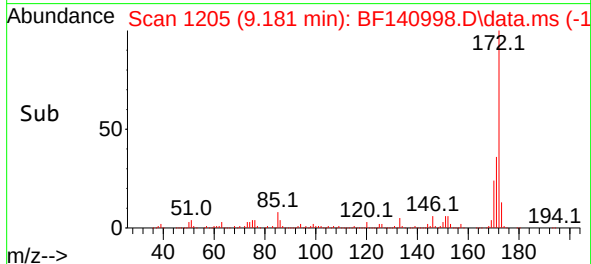
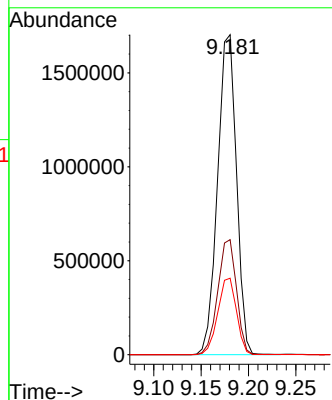
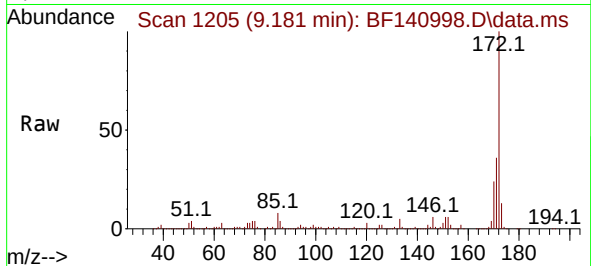




#45
2-Fluorobiphenyl
Concen: 70.795 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

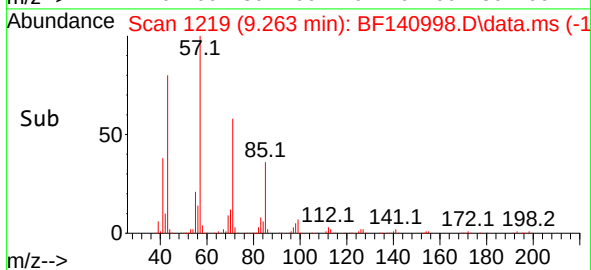
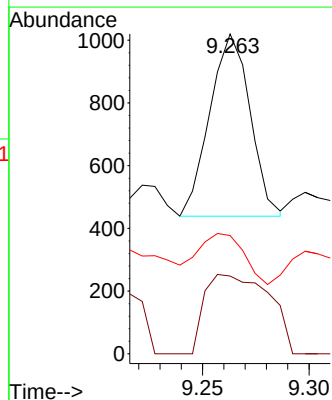
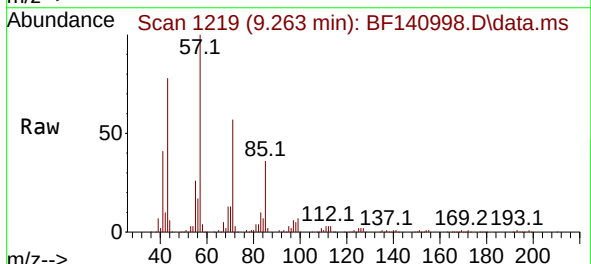
Instrument :
BNA_F
ClientSampleId :
SB-02

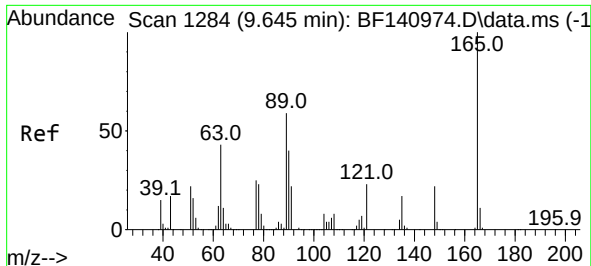
Tgt Ion:172 Resp: 2366923
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.9 19.6 29.4



#48
2-Nitroaniline
Concen: 4.727 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.135 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion: 65 Resp: 765
Ion Ratio Lower Upper
65 100
92 24.3 55.6 83.4#
138 37.0 80.5 120.7#





#51

2,6-Dinitrotoluene

Concen: 12.721 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

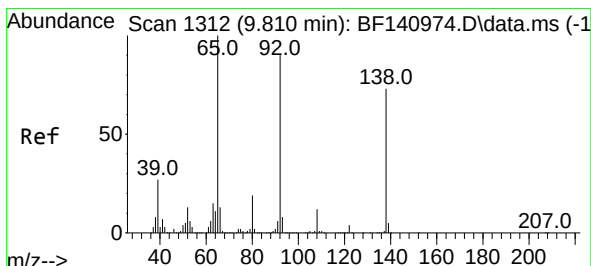
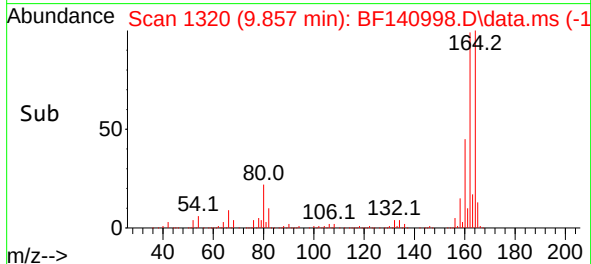
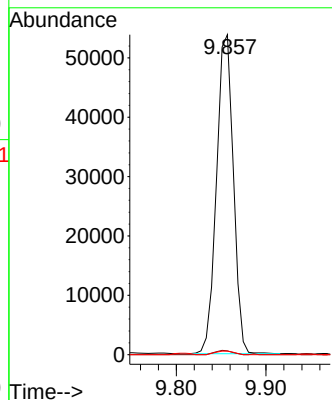
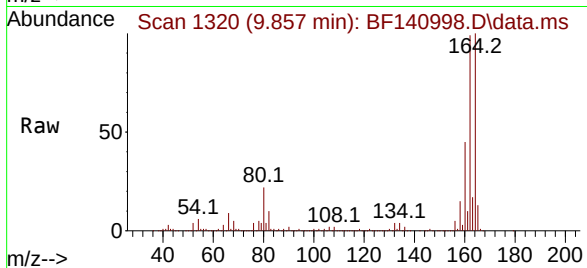
Tgt Ion:165 Resp: 70119

Ion Ratio Lower Upper

165 100

63 1.2 47.1 70.7#

89 1.1 47.0 70.4#



#53

3-Nitroaniline

Concen: 3.305 ng

RT: 9.804 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

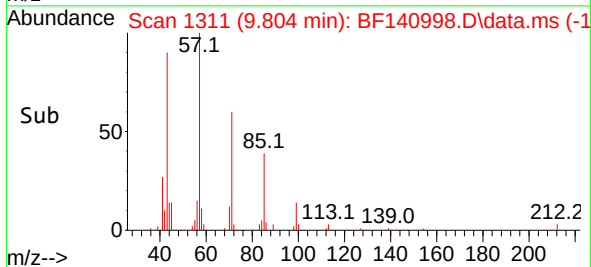
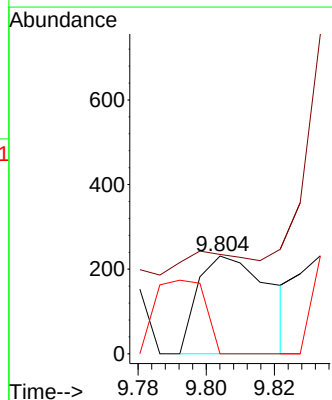
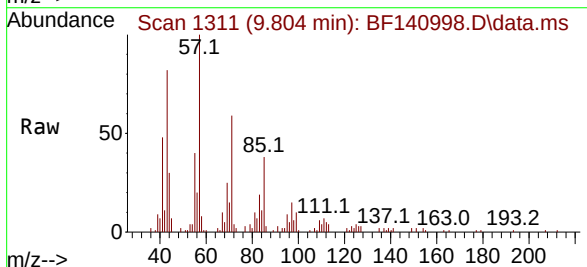
Tgt Ion:138 Resp: 338

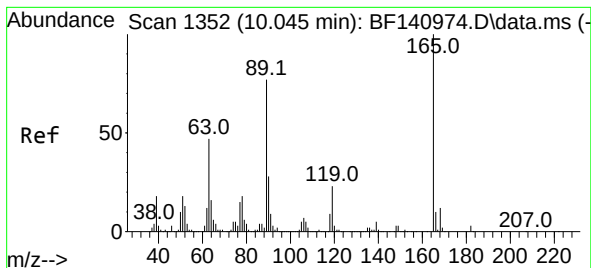
Ion Ratio Lower Upper

138 100

108 101.7 13.5 20.3#

92 0.0 97.7 146.5#

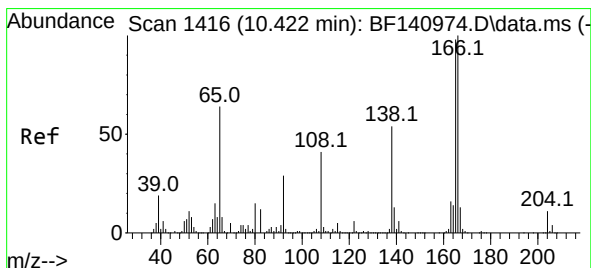
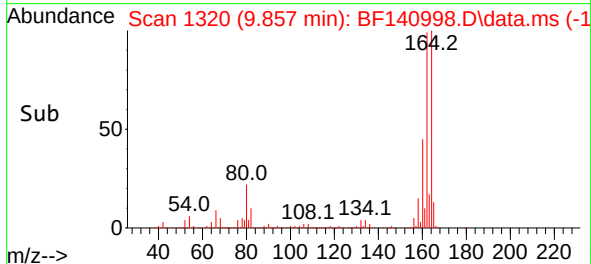
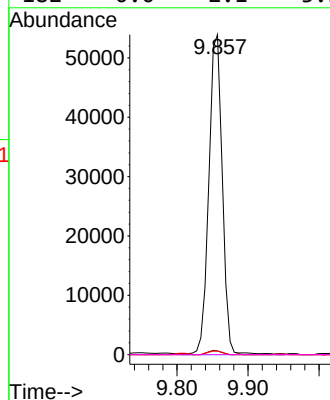
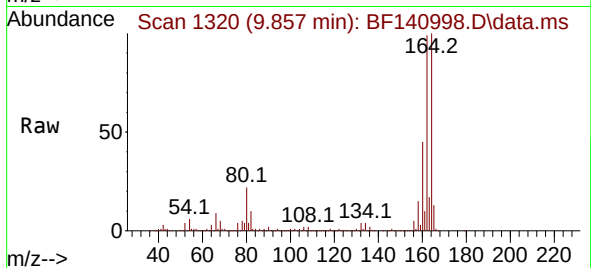




#57
2,4-Dinitrotoluene
Concen: 11.907 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

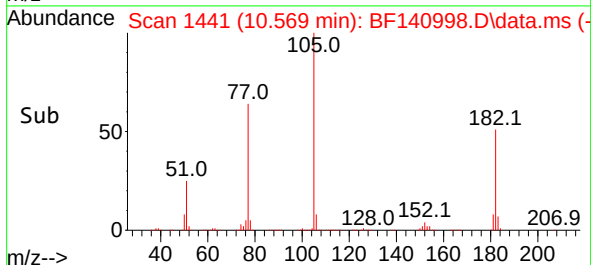
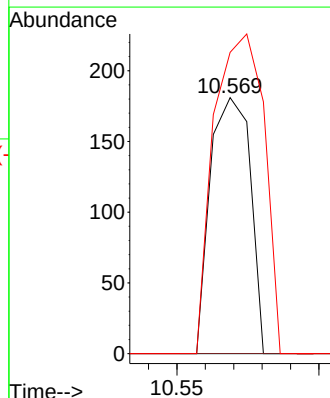
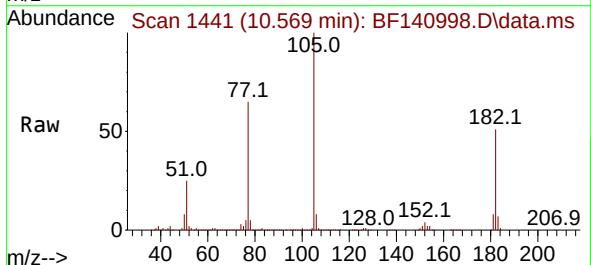
Instrument :
BNA_F
ClientSampleId :
SB-02

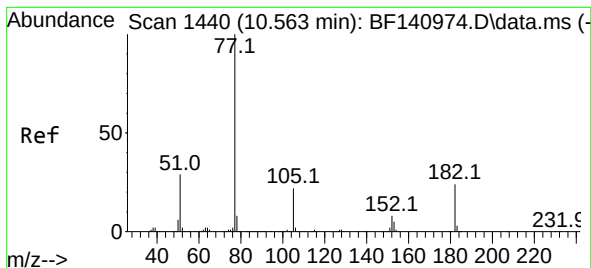
Tgt Ion:165 Resp: 71464
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#



#62
4-Nitroaniline
Concen: 3.367 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.147 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:138 Resp: 177
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 117.7 55.9 95.9#





#63

Azobenzene

Concen: 6.013 ng

RT: 10.569 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

Tgt Ion: 77 Resp: 218300

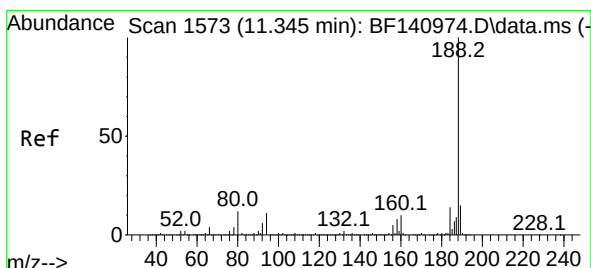
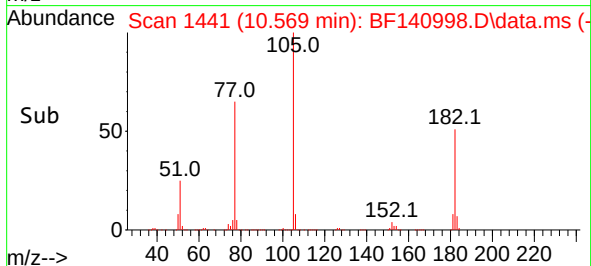
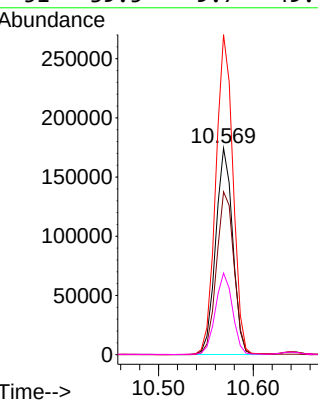
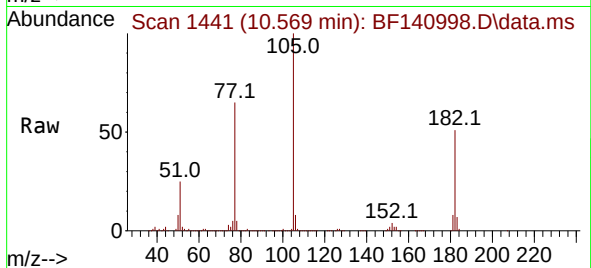
Ion Ratio Lower Upper

77 100

182 78.9 4.1 44.1#

105 154.9 1.8 41.8#

51 39.5 9.7 49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

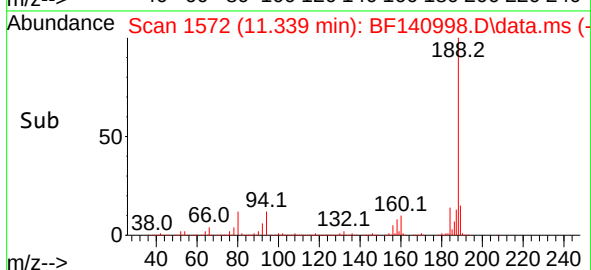
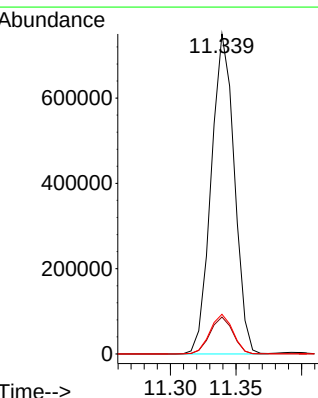
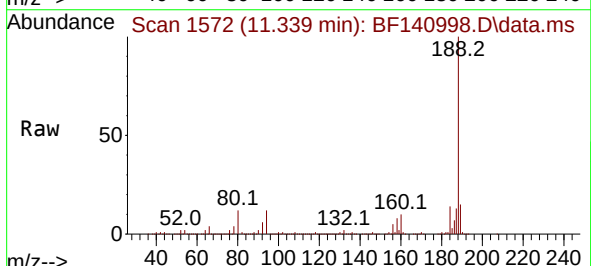
Tgt Ion:188 Resp: 920169

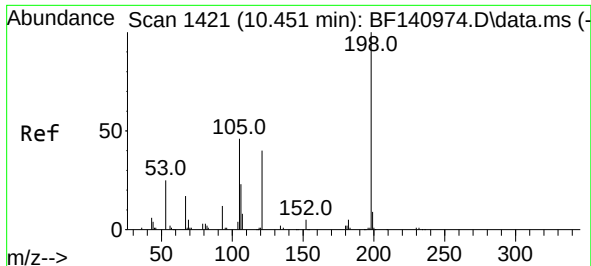
Ion Ratio Lower Upper

188 100

94 11.6 9.0 13.6

80 12.4 9.8 14.6

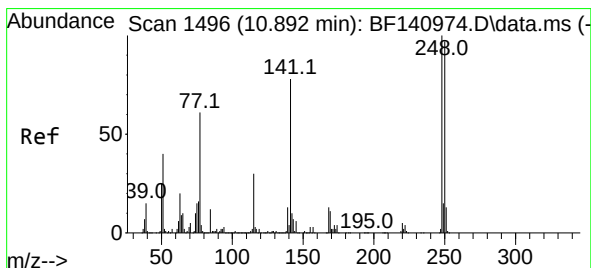
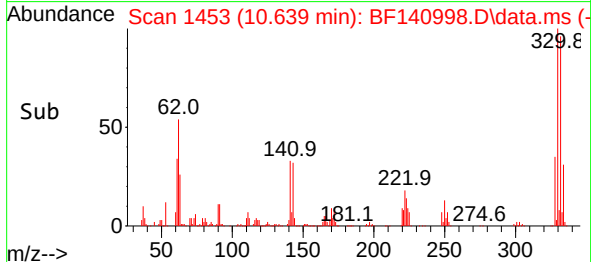
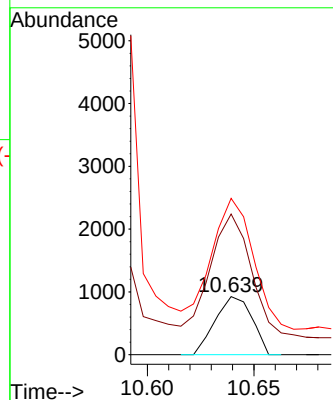
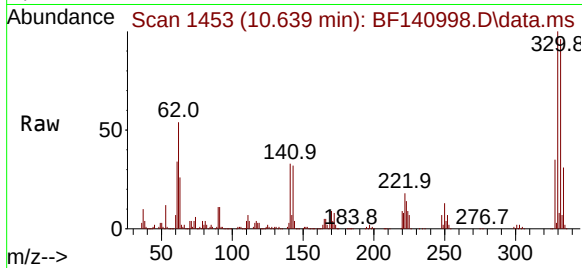




#65
4,6-Dinitro-2-methylphenol
Concen: 9.587 ng
RT: 10.639 min Scan# 1421
Delta R.T. 0.188 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

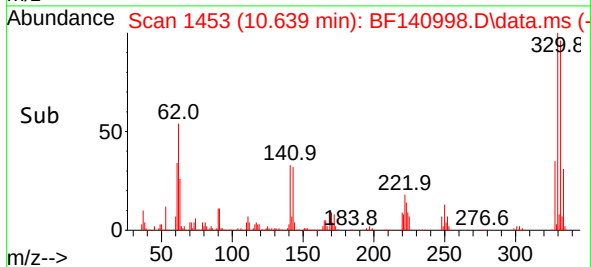
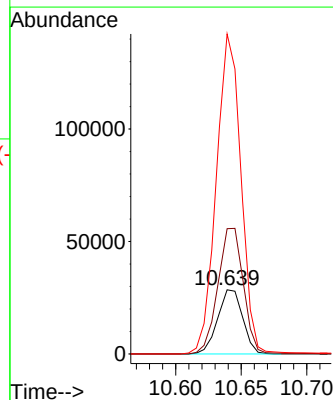
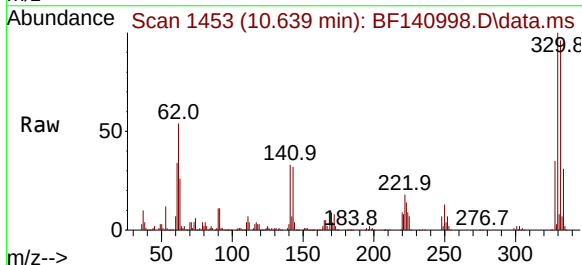
Instrument :
BNA_F
ClientSampleId :
SB-02

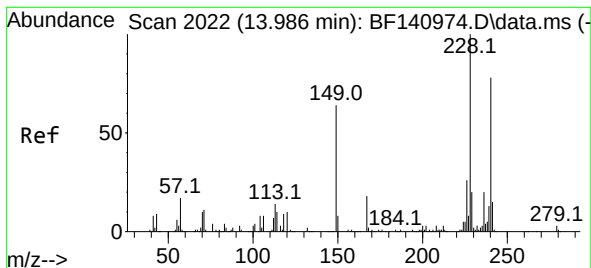
Tgt Ion:198 Resp: 1111
Ion Ratio Lower Upper
198 100
51 242.0 32.3 72.3#
105 269.0 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 3.797 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:248 Resp: 37773
Ion Ratio Lower Upper
248 100
250 195.2 77.7 116.5#
141 498.3 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: BF140998.D

Acq: 27 Dec 2024 16:03

Instrument :

BNA_F

ClientSampleId :

SB-02

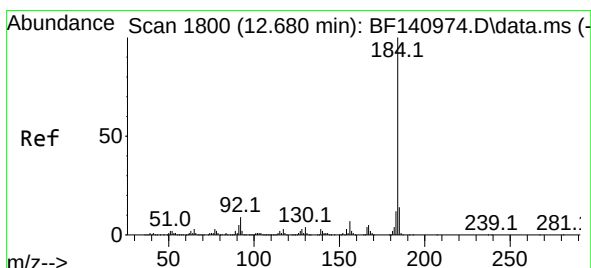
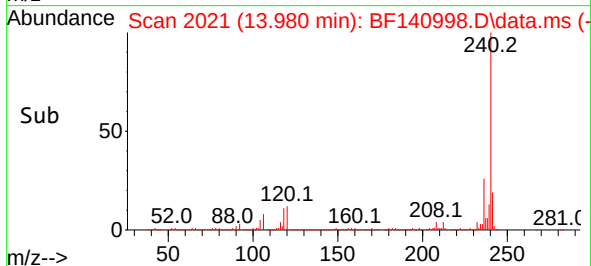
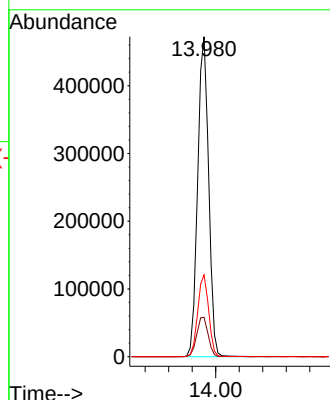
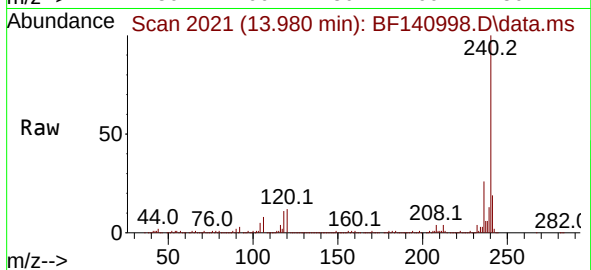
Tgt Ion:240 Resp: 611482

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 25.6 20.6 31.0



#77

Benidine

Concen: 2.750 ng

RT: 12.927 min Scan# 1842

Delta R.T. 0.247 min

Lab File: BF140998.D

Acq: 27 Dec 2024 16:03

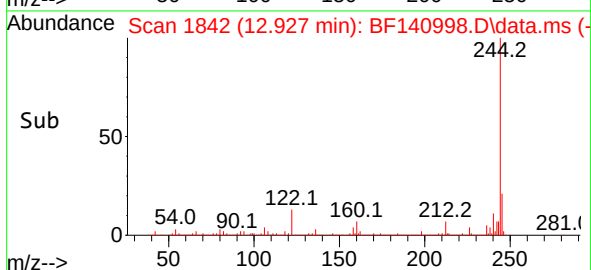
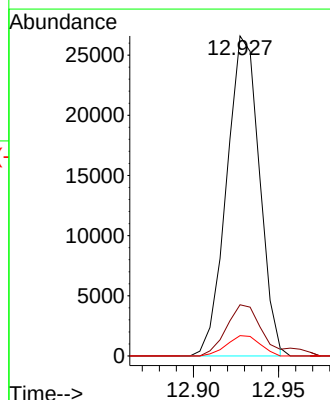
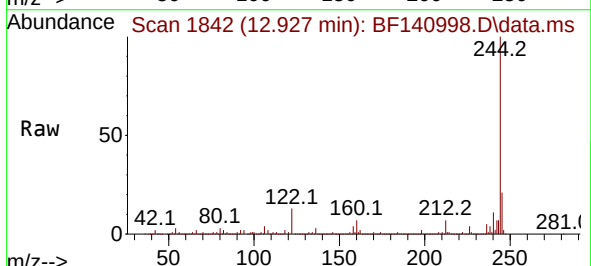
Tgt Ion:184 Resp: 35543

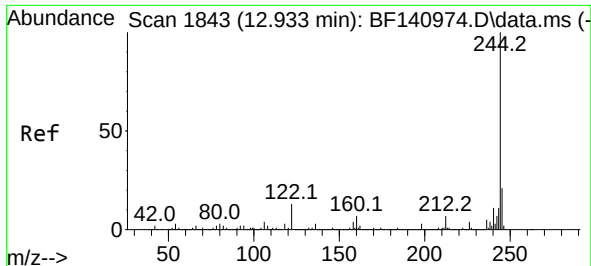
Ion Ratio Lower Upper

184 100

185 16.0 11.4 17.2

183 6.4 9.4 14.0#

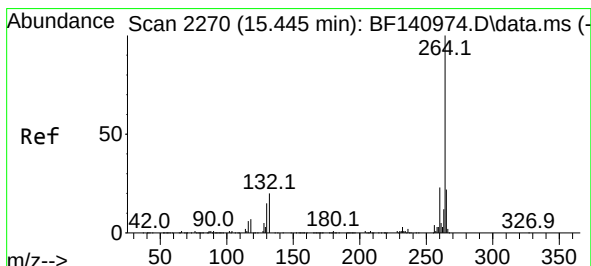
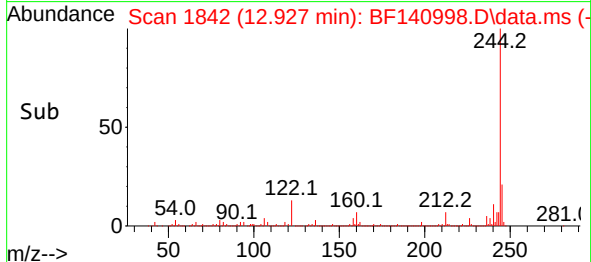
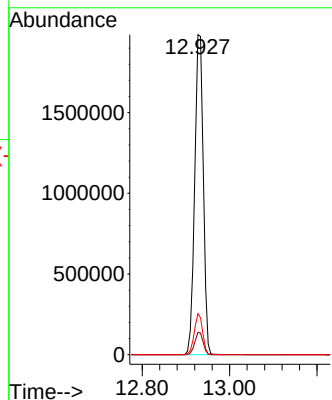
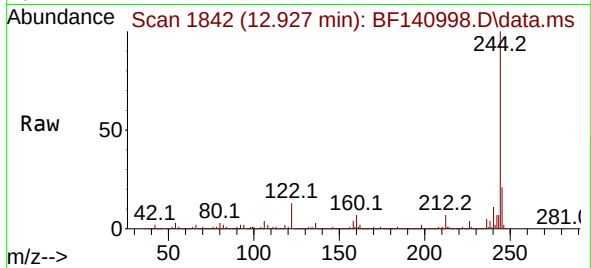




#79
 Terphenyl-d14
 Concen: 73.632 ng
 RT: 12.927 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF140998.D
 Acq: 27 Dec 2024 16:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Tgt Ion:244 Resp: 2710716
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 12.8 10.2 15.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2270
 Delta R.T. -0.000 min
 Lab File: BF140998.D
 Acq: 27 Dec 2024 16:03

Tgt Ion:264 Resp: 533372
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.7 28.1
 265 21.4 17.4 26.2

