

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141083.D
 Acq On : 08 Jan 2025 14:59
 Operator : RC/JU
 Sample : Q1023-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HT2651

Quant Time: Jan 08 15:24:03 2025
 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)

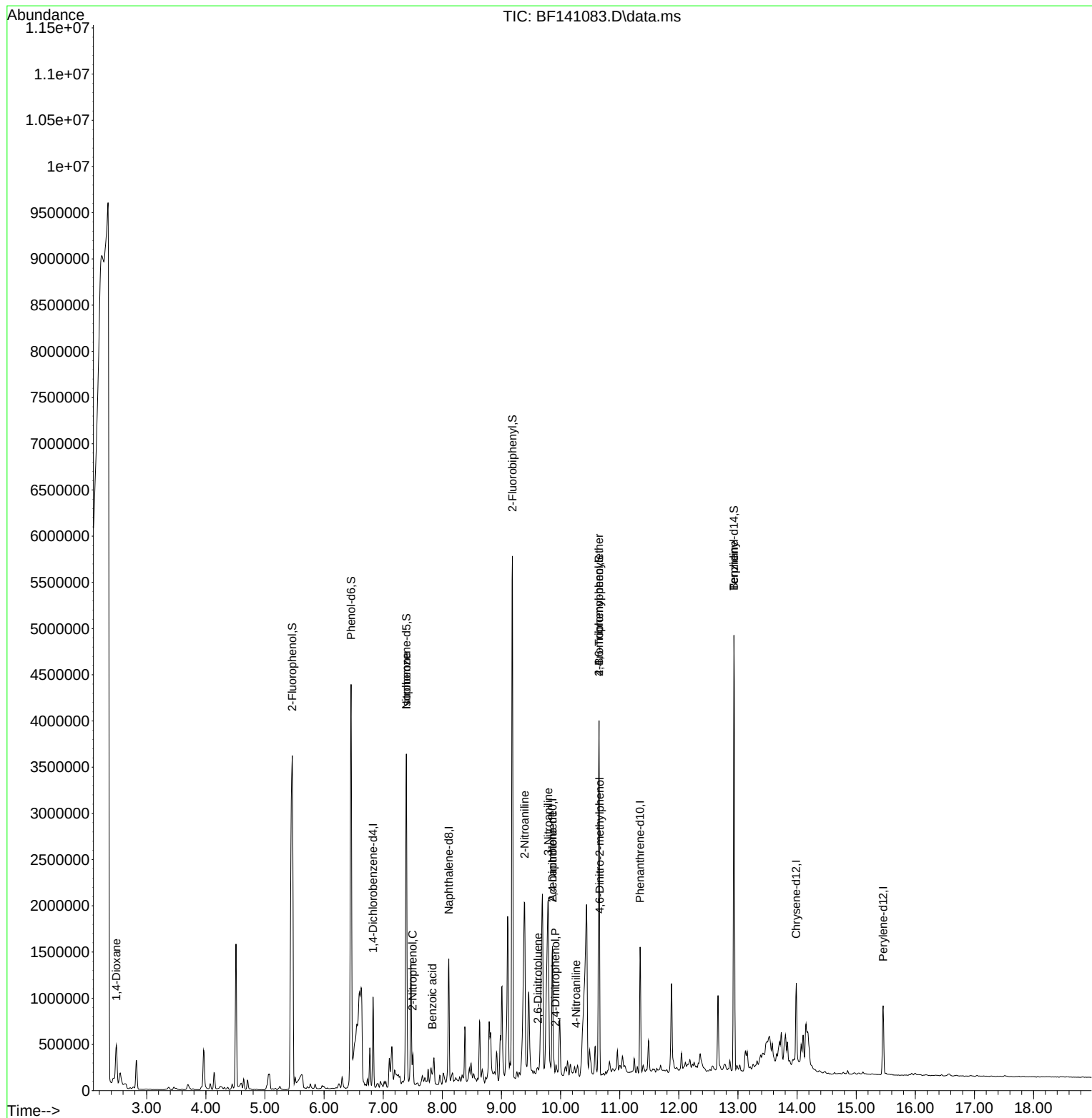
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	196666	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	762012	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	411604	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	675105	20.000	ng	0.00
76) Chrysene-d12	13.986	240	409501	20.000	ng	0.00
86) Perylene-d12	15.457	264	428622	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1925928	147.616	ng	0.03
7) Phenol-d6	6.457	99	2260935	134.522	ng	0.00
23) Nitrobenzene-d5	7.392	82	1466442	123.121	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	723805	180.970	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2505048	96.966	ng	0.00
79) Terphenyl-d14	12.933	244	2340623	94.939	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	12546	2.124	ng	# 1
9) Benzaldehyde	6.381	77	2711	Below Cal		93
25) Isophorone	7.392	82	1453711	56.089	ng	# 66
26) 2-Nitrophenol	7.498	139	3100	5.807	ng	# 67
32) Benzoic acid	7.834	122	10326	8.805	ng	# 98
48) 2-Nitroaniline	9.392	65	5711	5.451	ng	# 23
51) 2,6-Dinitrotoluene	9.616	165	8655	5.103	ng	# 41
53) 3-Nitroaniline	9.792	138	1113	3.438	ng	# 1
54) 2,4-Dinitrophenol	9.910	184	278	6.375	ng	# 1
57) 2,4-Dinitrotoluene	9.863	165	53911	11.731	ng	# 23
62) 4-Nitroaniline	10.263	138	406	3.409	ng	# 96
65) 4,6-Dinitro-2-methylph...	10.663	198	5559	11.007	ng	# 86
67) 4-Bromophenyl-phenylether	10.651	248	43228	5.923	ng	# 1
77) Benzidine	12.933	184	29173	3.371	ng	# 90

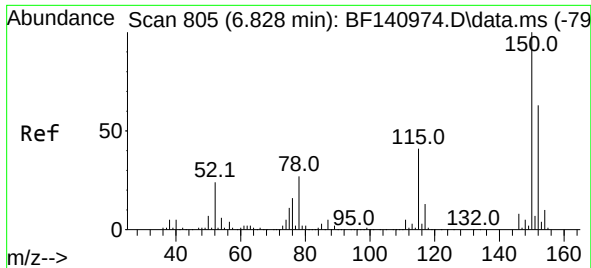
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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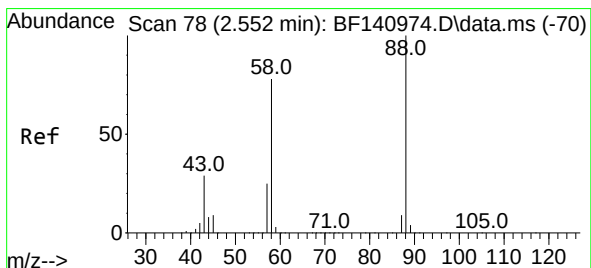
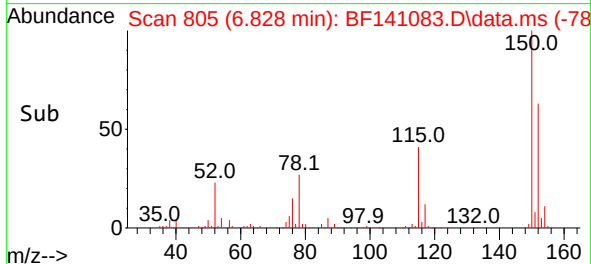
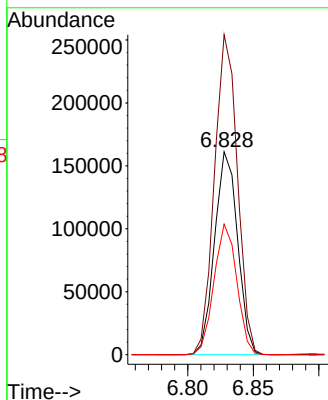
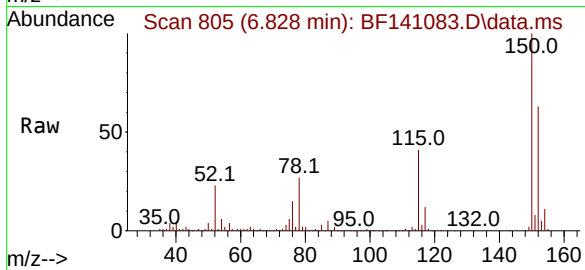




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141083.D
 Acq: 08 Jan 2025 14:59

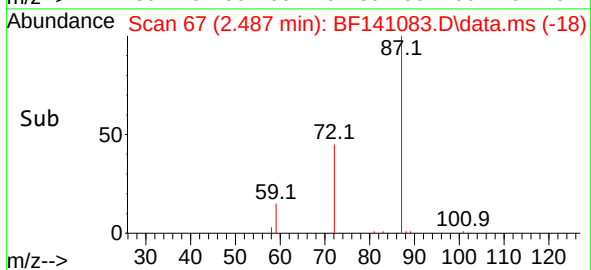
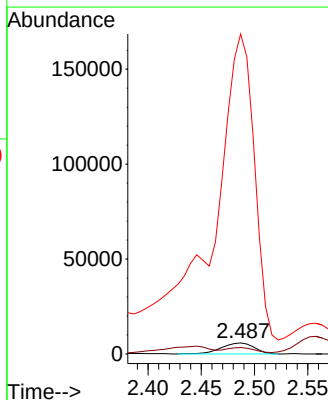
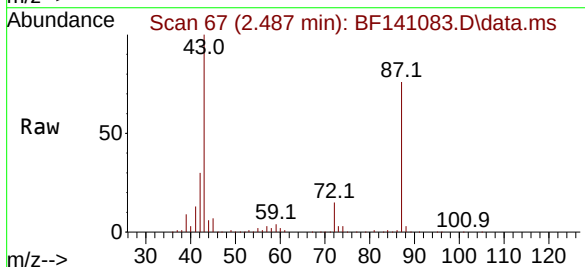
Instrument :
 BNA_F
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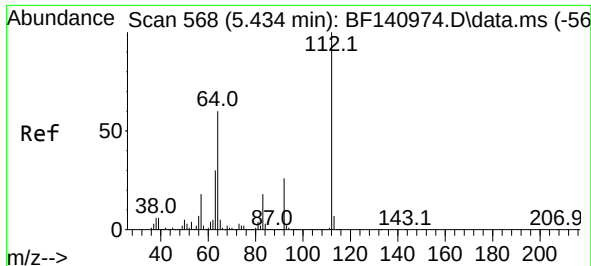
Tgt Ion:152 Resp: 196666
 Ion Ratio Lower Upper
 152 100
 150 157.7 127.0 190.6
 115 64.3 51.7 77.5



#2
 1,4-Dioxane
 Concen: 2.124 ng
 RT: 2.487 min Scan# 67
 Delta R.T. -0.065 min
 Lab File: BF141083.D
 Acq: 08 Jan 2025 14:59

Tgt Ion: 88 Resp: 12546
 Ion Ratio Lower Upper
 88 100
 58 50.5 63.0 94.4#
 43 3460.7 23.4 35.2#

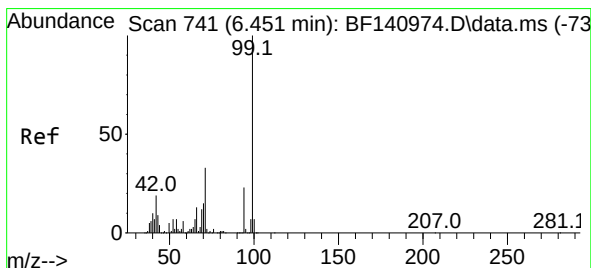
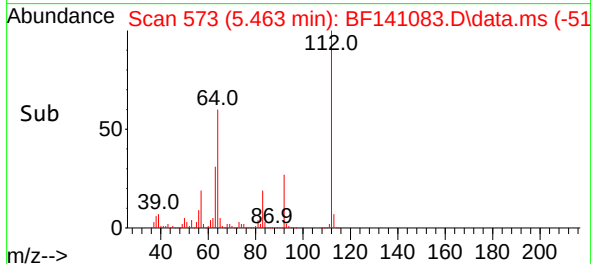
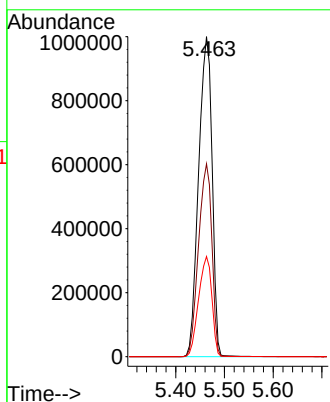
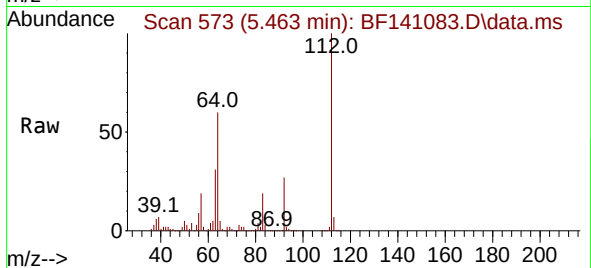




#5
2-Fluorophenol
Concen: 147.616 ng
RT: 5.463 min Scan# 51
Delta R.T. 0.029 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

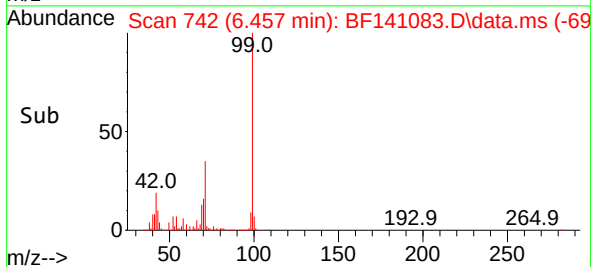
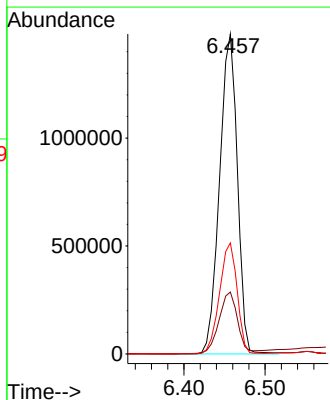
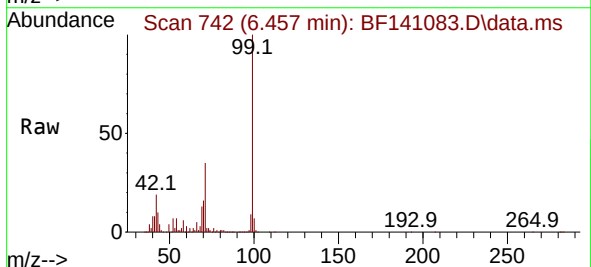
Instrument :
BNA_F
ClientSampleId :
HT2651

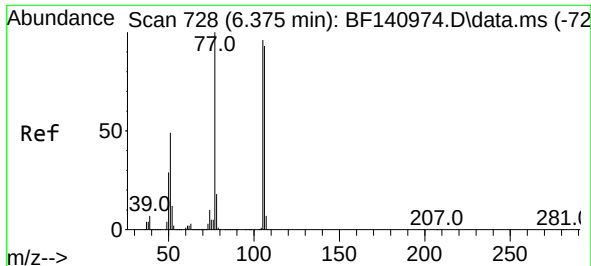
Tgt Ion:112 Resp: 1925928
Ion Ratio Lower Upper
112 100
64 60.3 47.7 71.5
63 31.3 24.2 36.2



#7
Phenol-d6
Concen: 134.522 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion: 99 Resp: 2260935
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 34.7 26.2 39.2

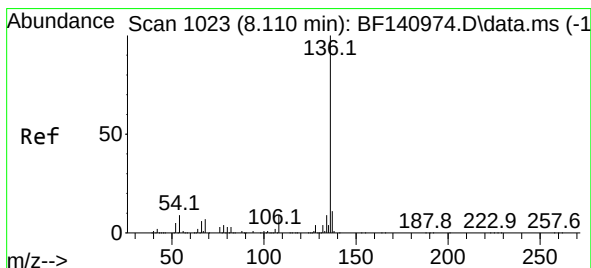
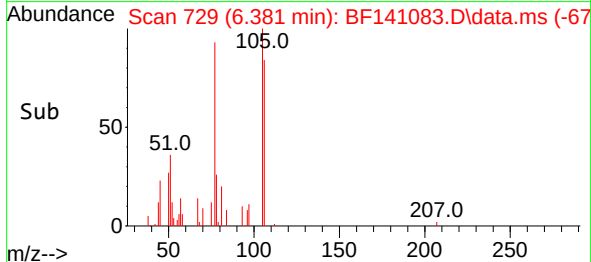
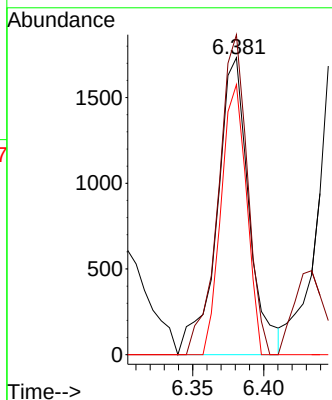
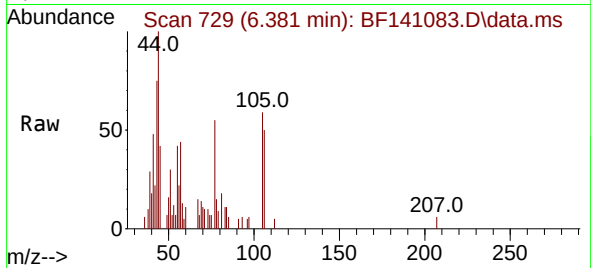




#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 728
Delta R.T. 0.006 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

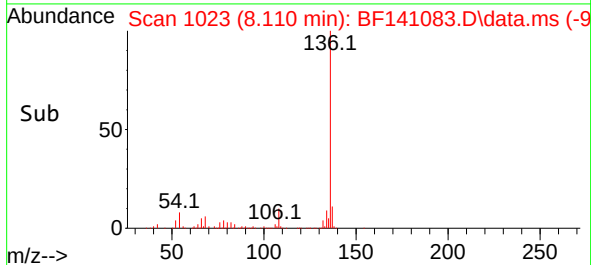
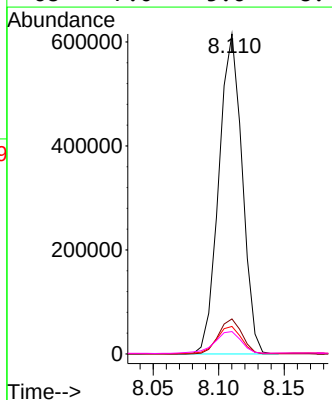
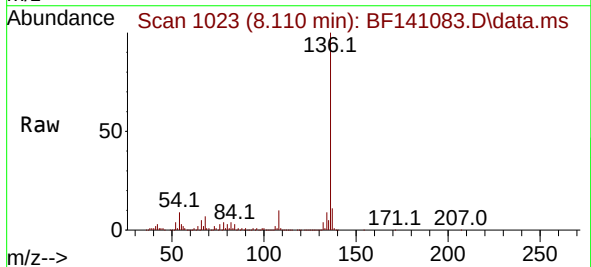
Instrument :
BNA_F
ClientSampleId :
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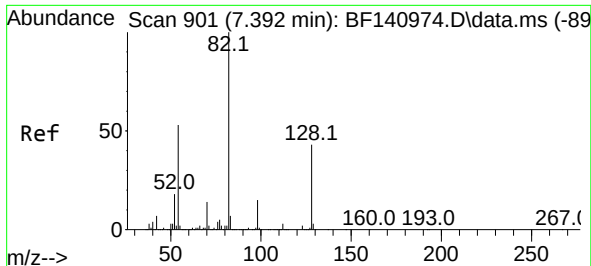
Tgt Ion: 77 Resp: 2711
Ion Ratio Lower Upper
77 100
105 107.7 76.2 116.2
106 90.9 73.4 113.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:136 Resp: 762012
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.6 7.6 11.4
68 7.0 5.6 8.4

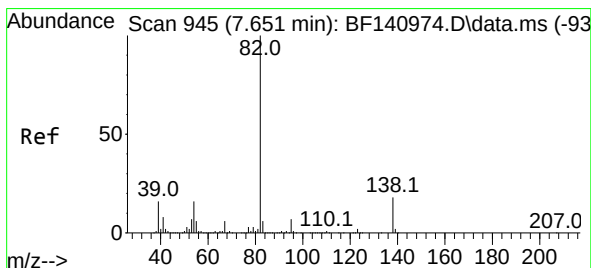
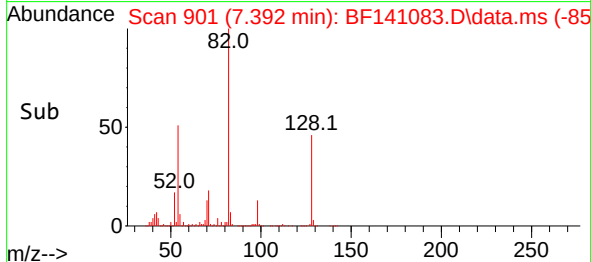
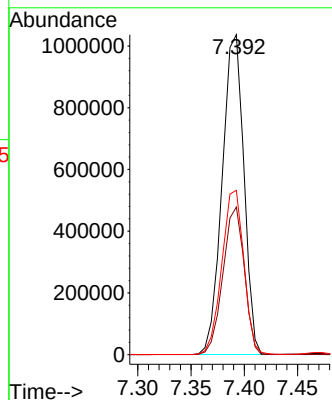
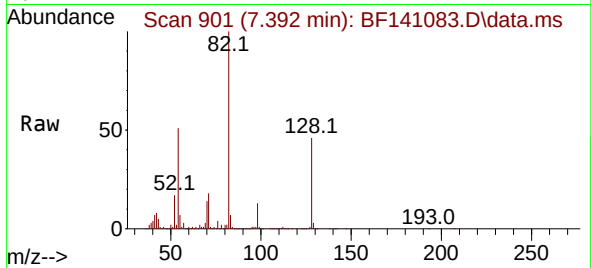




#23
Nitrobenzene-d5
Concen: 123.121 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

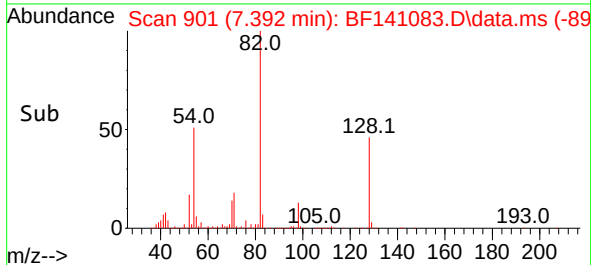
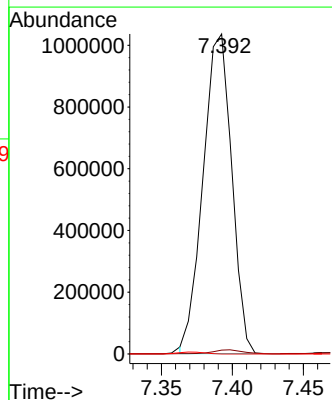
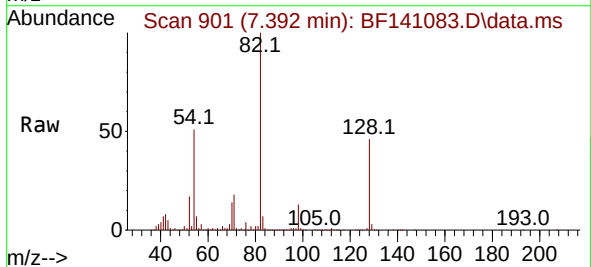
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BNA_F
ClientSampleId :
HT2651

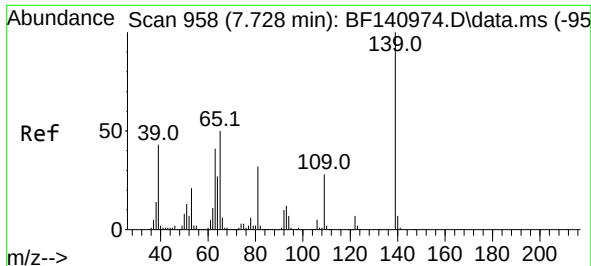
Tgt Ion: 82 Resp: 1466442
Ion Ratio Lower Upper
82 100
128 46.1 34.4 51.6
54 51.3 42.4 63.6



#25
Isophorone
Concen: 56.089 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion: 82 Resp: 1453711
Ion Ratio Lower Upper
82 100
95 1.2 5.6 8.4#
138 0.0 14.6 21.8#

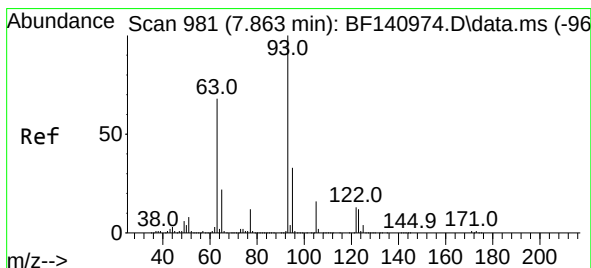
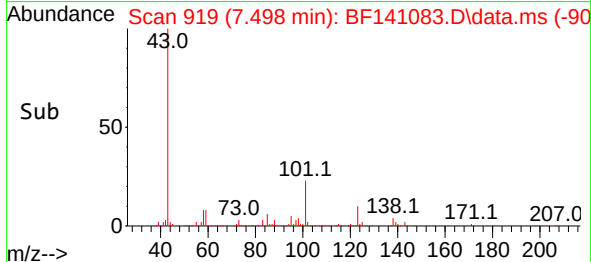
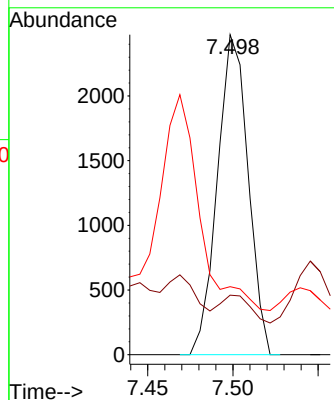
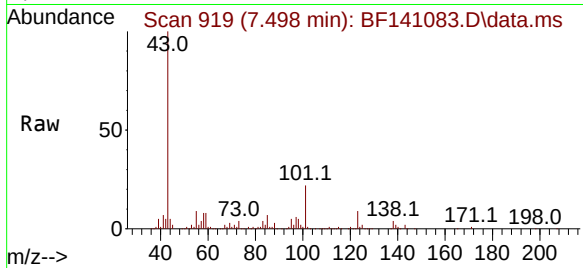




#26
2-Nitrophenol
Concen: 5.807 ng
RT: 7.498 min Scan# 919
Delta R.T. -0.230 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

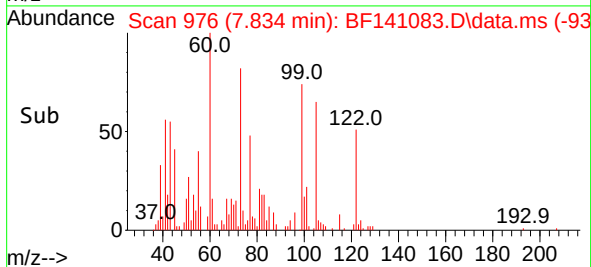
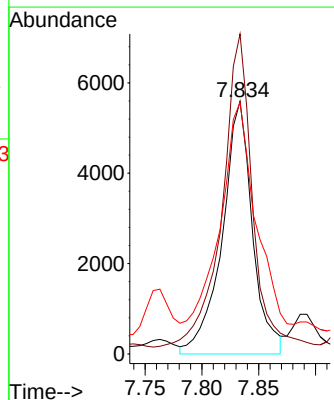
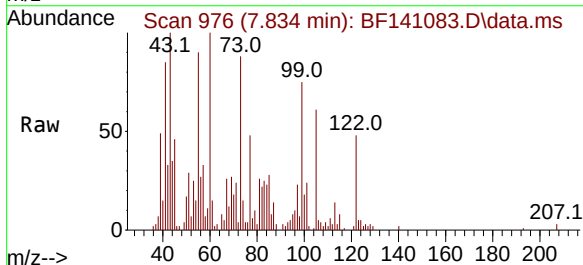
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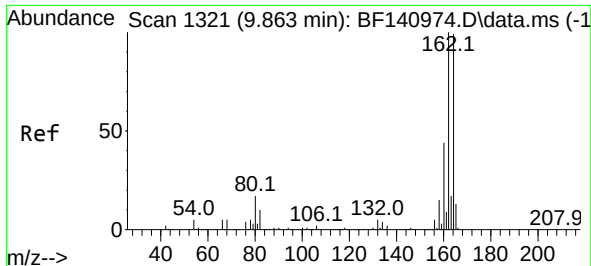
Tgt Ion:139 Resp: 3100
Ion Ratio Lower Upper
139 100
109 18.6 22.2 33.4#
65 21.3 40.2 60.4#



#32
Benzoic acid
Concen: 8.805 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.029 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:122 Resp: 10326
Ion Ratio Lower Upper
122 100
105 126.7 105.4 145.4
77 99.7 76.4 116.4

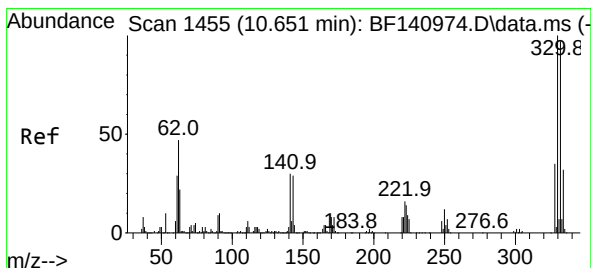
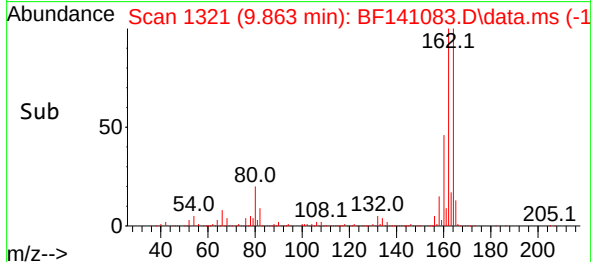
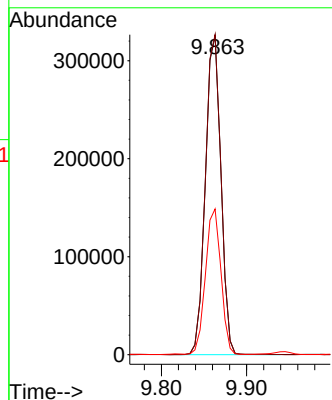
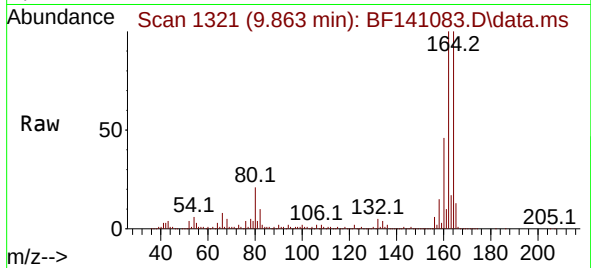




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

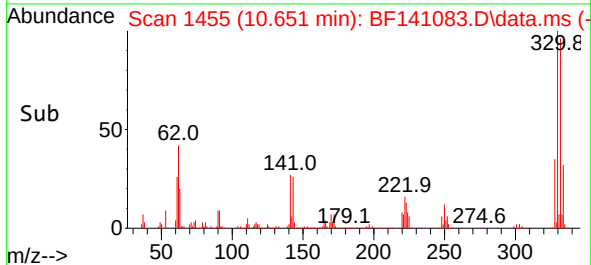
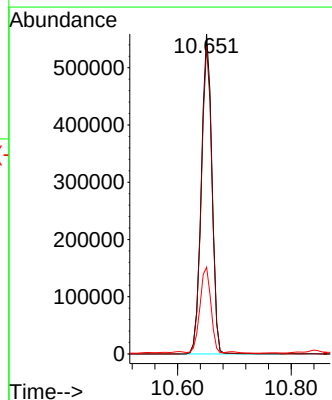
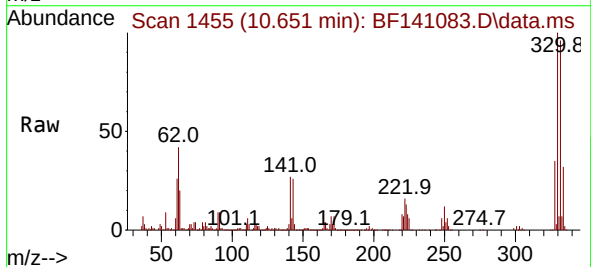
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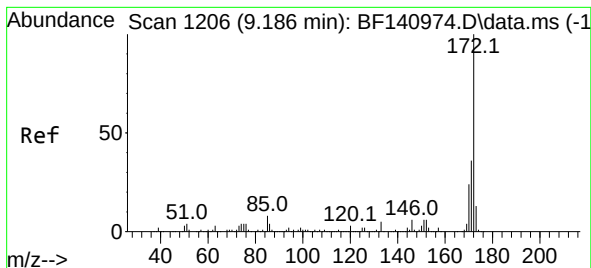
Tgt Ion:164 Resp: 411604
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 45.7 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 180.970 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:330 Resp: 723805
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 27.4 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 96.966 ng

RT: 9.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141083.D

Acq: 08 Jan 2025 14:59

Instrument :

BNA_F

ClientSampleId :

HT2651

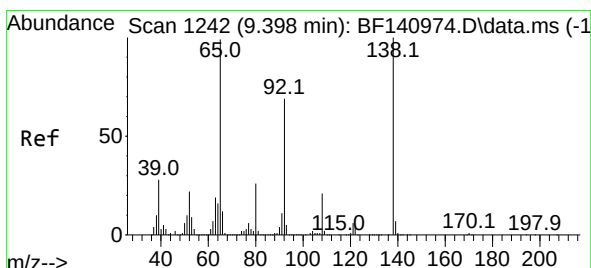
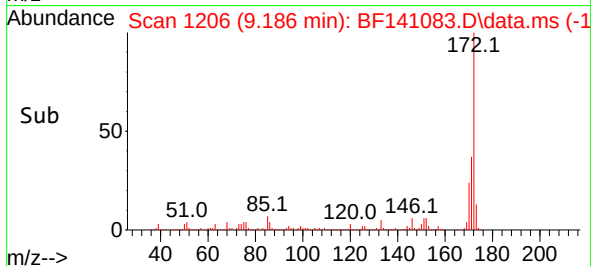
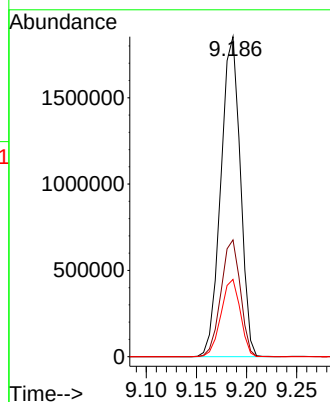
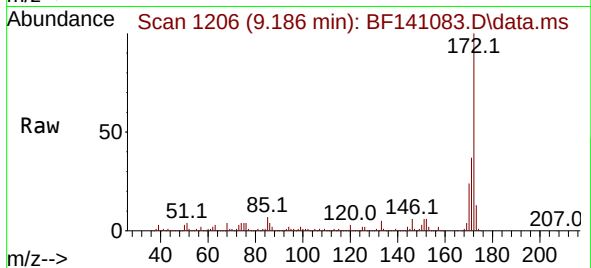
Tgt Ion:172 Resp: 2505048

Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.4

170 24.1 19.6 29.4



#48

2-Nitroaniline

Concen: 5.451 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF141083.D

Acq: 08 Jan 2025 14:59

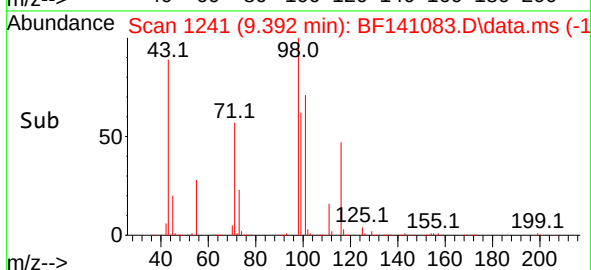
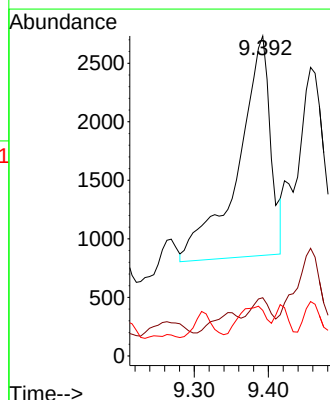
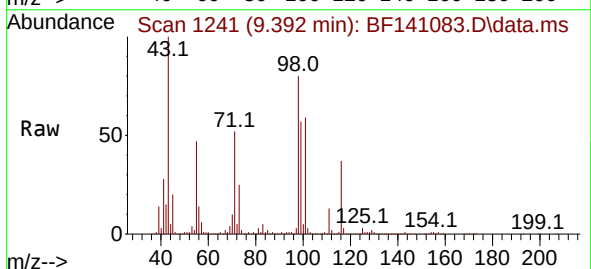
Tgt Ion: 65 Resp: 5711

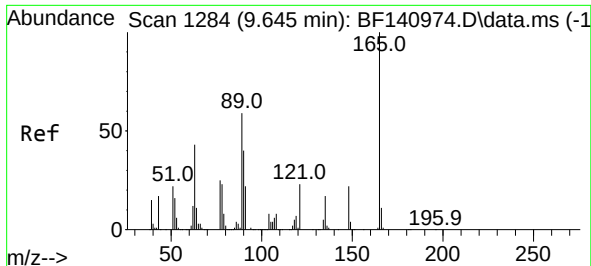
Ion Ratio Lower Upper

65 100

92 18.2 55.6 83.4#

138 14.2 80.5 120.7#

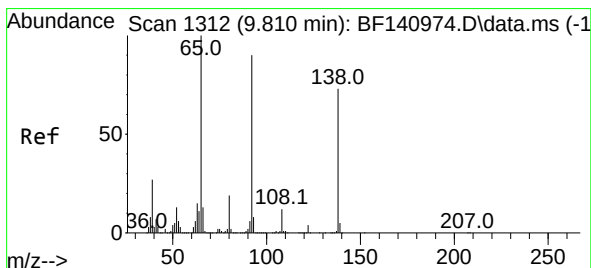
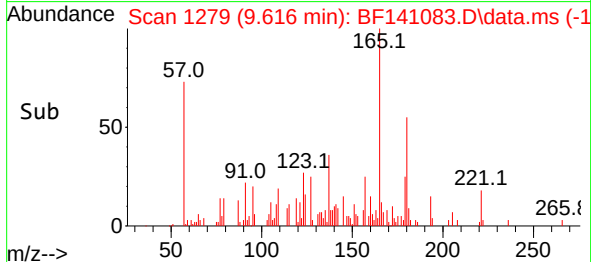
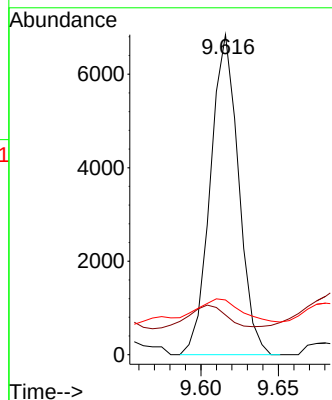
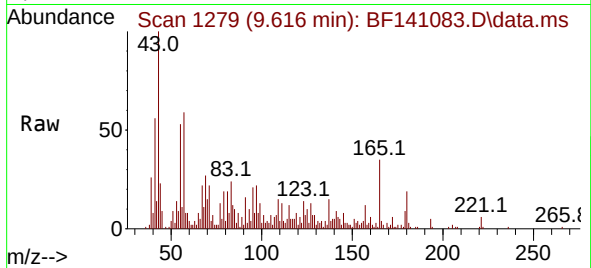




#51
2,6-Dinitrotoluene
Concen: 5.103 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

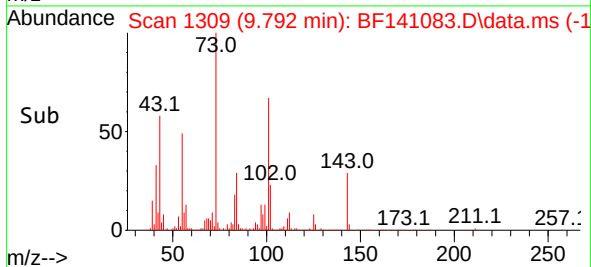
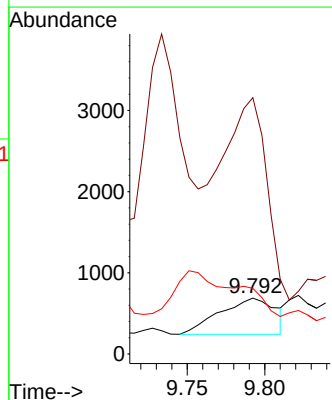
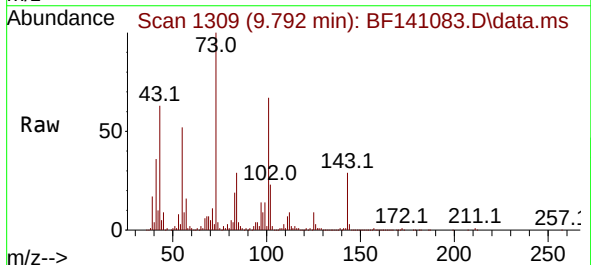
Instrument :
BNA_F
ClientSampleId :
HT2651

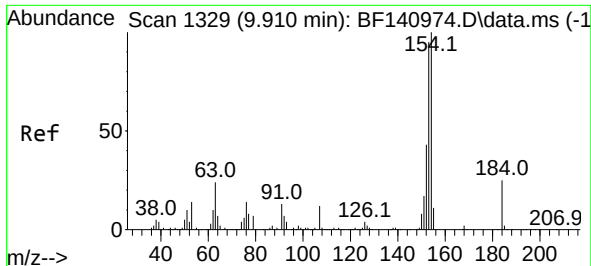
Tgt Ion:165 Resp: 8655
Ion Ratio Lower Upper
165 100
63 12.4 47.1 70.7#
89 17.1 47.0 70.4#



#53
3-Nitroaniline
Concen: 3.438 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.018 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:138 Resp: 1113
Ion Ratio Lower Upper
138 100
108 458.3 13.5 20.3#
92 117.3 97.7 146.5

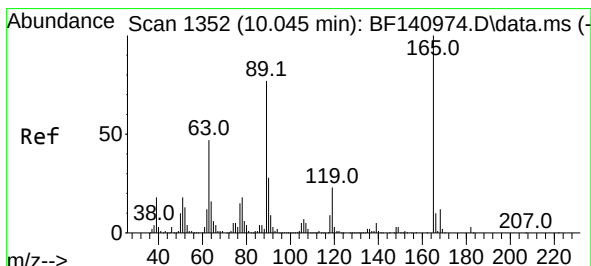
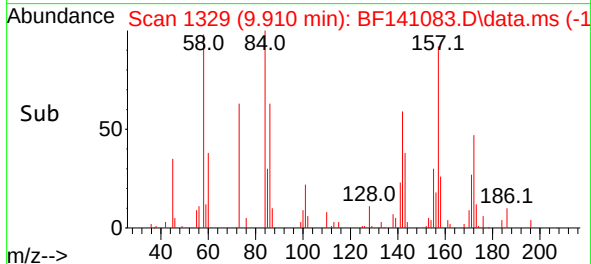
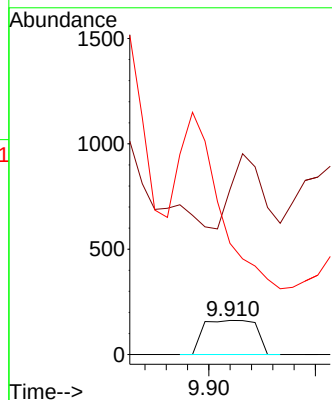
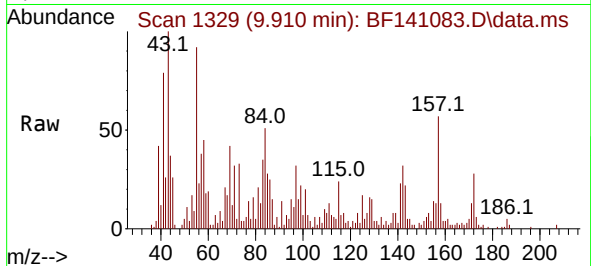




#54
2,4-Dinitrophenol
Concen: 6.375 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

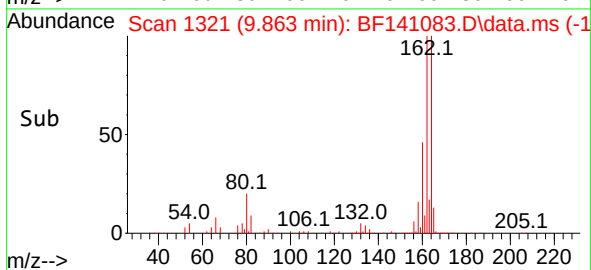
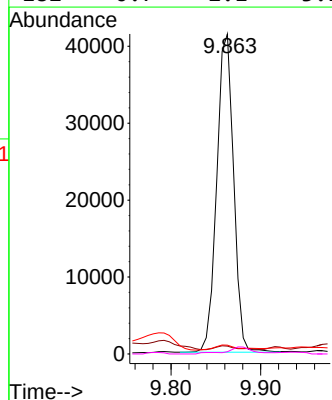
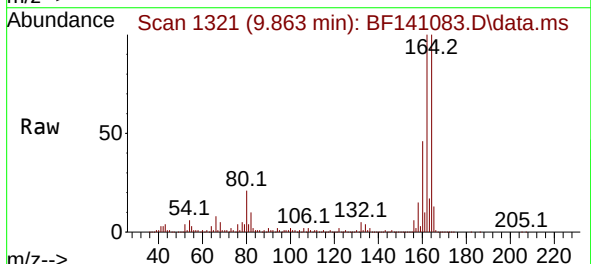
Instrument :
BNA_F
ClientSampleId :
HT2651

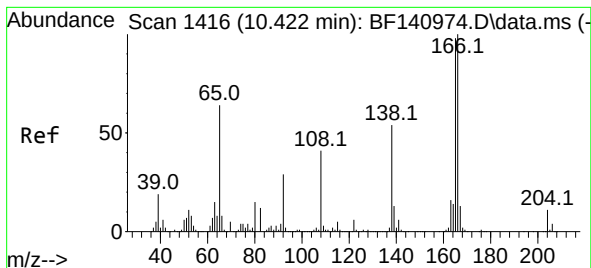
Tgt Ion:184 Resp: 278
Ion Ratio Lower Upper
184 100
63 483.3 81.6 122.4#
154 325.9 363.5 545.3#



#57
2,4-Dinitrotoluene
Concen: 11.731 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:165 Resp: 53911
Ion Ratio Lower Upper
165 100
63 2.4 38.1 57.1#
89 2.8 61.4 92.2#
182 0.7 2.1 3.1#

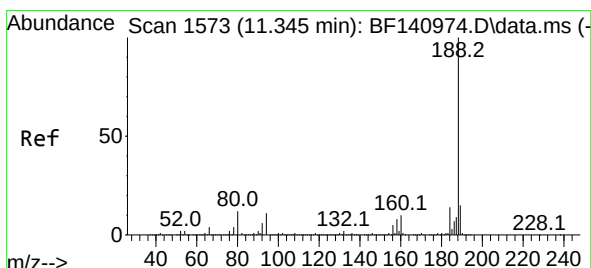
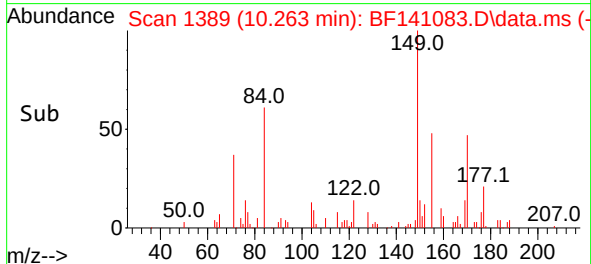
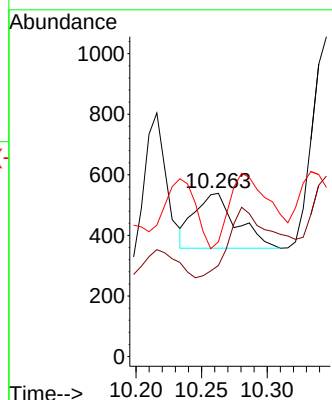
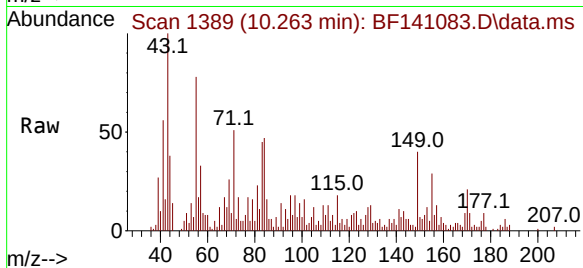




#62
4-Nitroaniline
Concen: 3.409 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.159 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

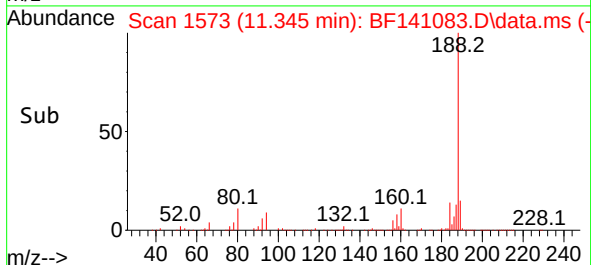
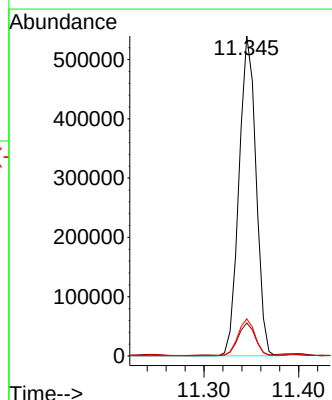
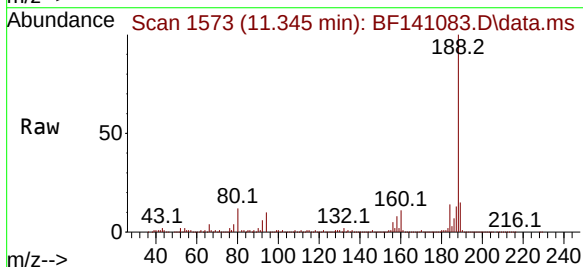
Instrument :
BNA_F
ClientSampleId :
HT2651

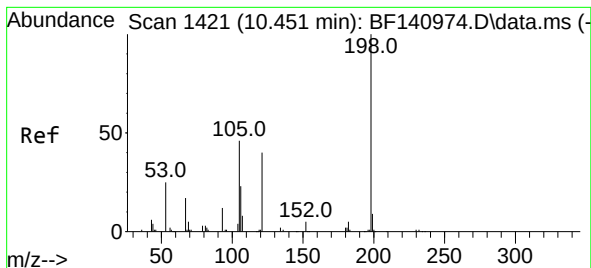
Tgt Ion:138 Resp: 406
Ion Ratio Lower Upper
138 100
92 55.8 34.8 74.8
108 70.3 55.9 95.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:188 Resp: 675105
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.6
80 11.6 9.8 14.6

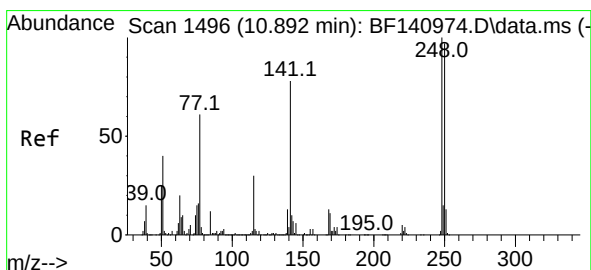
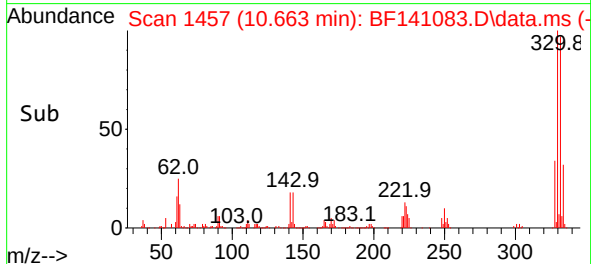
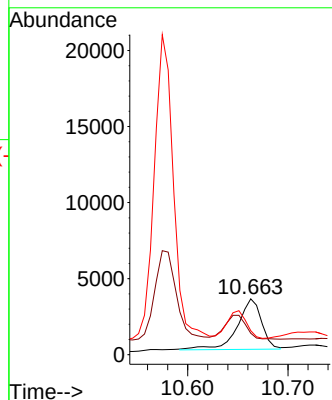
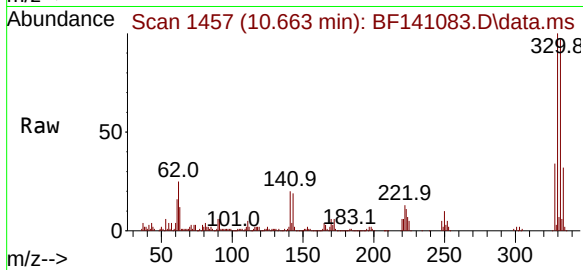




#65
4,6-Dinitro-2-methylphenol
Concen: 11.007 ng
RT: 10.663 min Scan# 1457
Delta R.T. 0.212 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

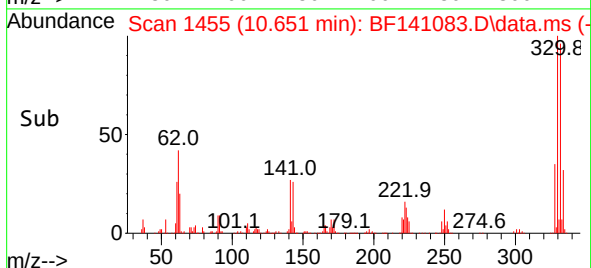
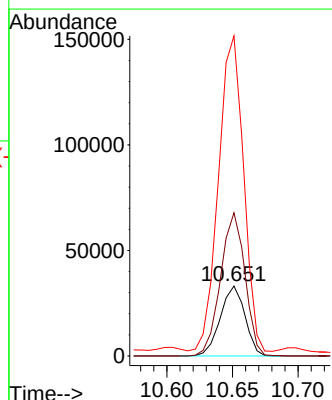
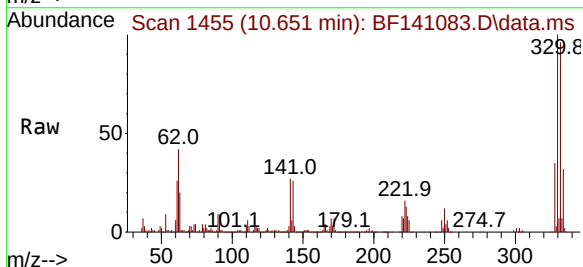
Instrument :
BNA_F
ClientSampleId :
HT2651

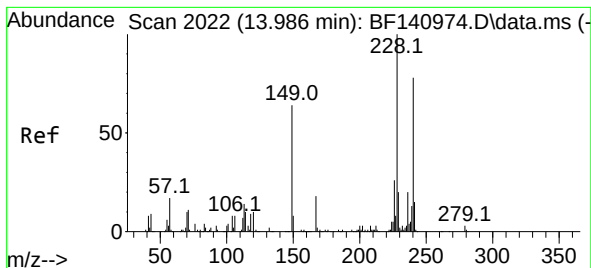
Tgt Ion:198 Resp: 5559
Ion Ratio Lower Upper
198 100
51 38.5 32.3 72.3
105 43.0 28.4 68.4



#67
4-Bromophenyl-phenylether
Concen: 5.923 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF141083.D
Acq: 08 Jan 2025 14:59

Tgt Ion:248 Resp: 43228
Ion Ratio Lower Upper
248 100
250 204.9 77.7 116.5#
141 458.0 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141083.D

Acq: 08 Jan 2025 14:59

Instrument :

BNA_F

ClientSampleId :

HT2651

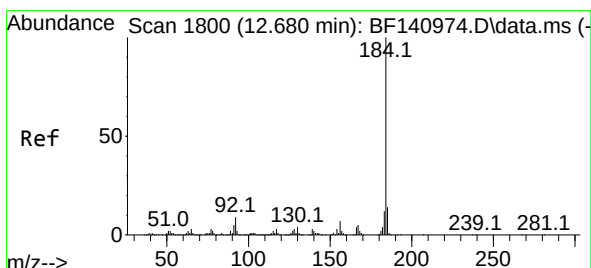
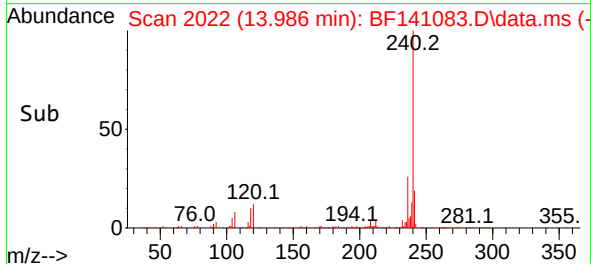
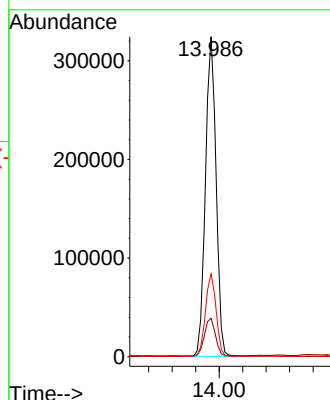
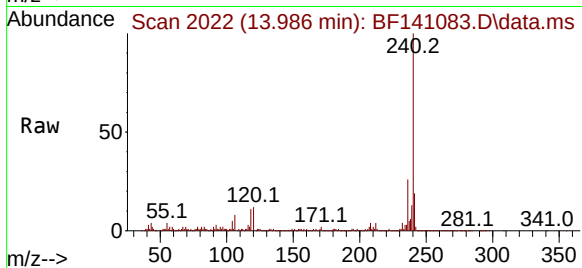
Tgt Ion:240 Resp: 409501

Ion Ratio Lower Upper

240 100

120 12.0 10.7 16.1

236 25.9 20.6 31.0



#77

Benzidine

Concen: 3.371 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF141083.D

Acq: 08 Jan 2025 14:59

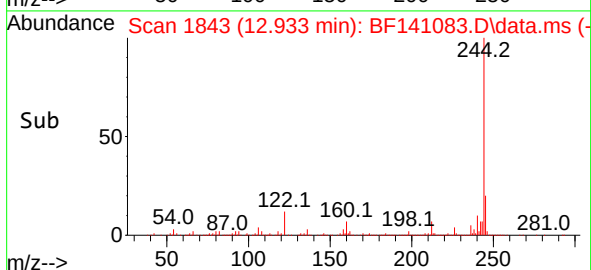
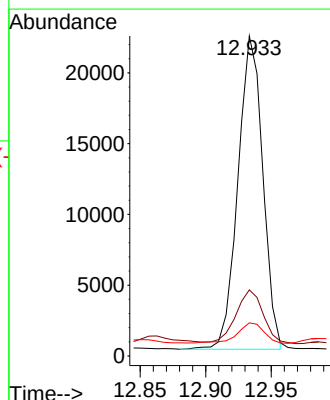
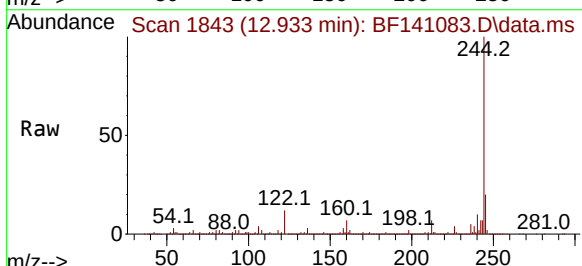
Tgt Ion:184 Resp: 29173

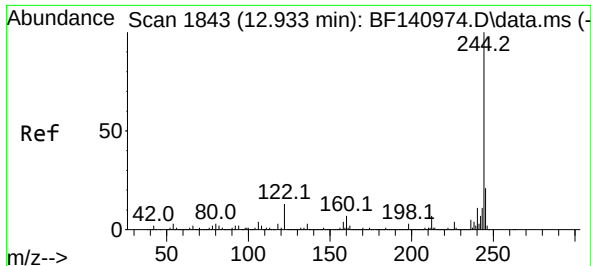
Ion Ratio Lower Upper

184 100

185 20.7 11.4 17.2#

183 10.4 9.4 14.0

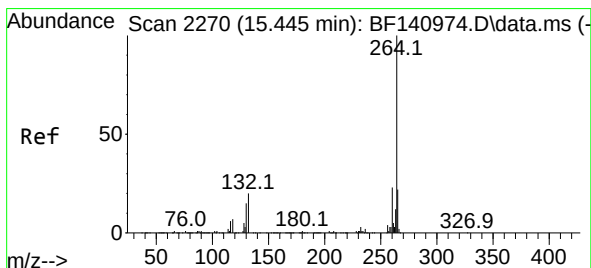
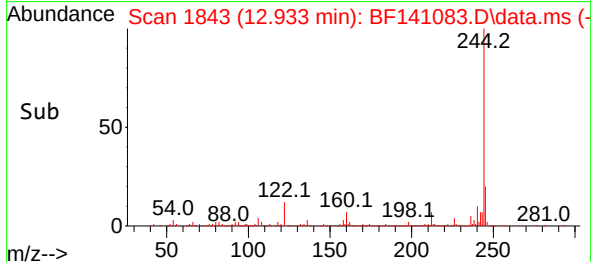
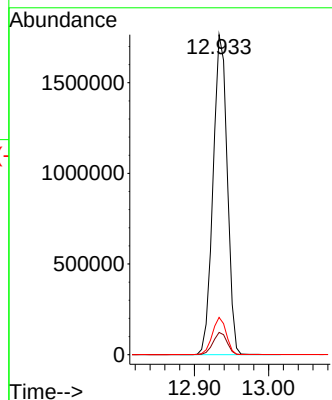
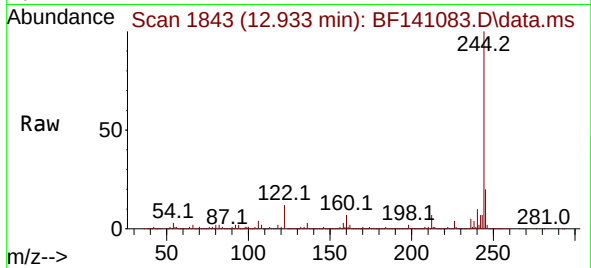




#79
 Terphenyl-d14
 Concen: 94.939 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141083.D
 Acq: 08 Jan 2025 14:59

Instrument :
 BNA_F
 ClientSampleId :
 HT2651

Tgt Ion:244 Resp: 2340623
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.6 10.2 15.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF141083.D
 Acq: 08 Jan 2025 14:59

Tgt Ion:264 Resp: 428622
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.5 17.4 26.2

