

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141091.D
 Acq On : 08 Jan 2025 18:30
 Operator : RC/JU
 Sample : Q1034-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Jan 09 00:03:29 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)

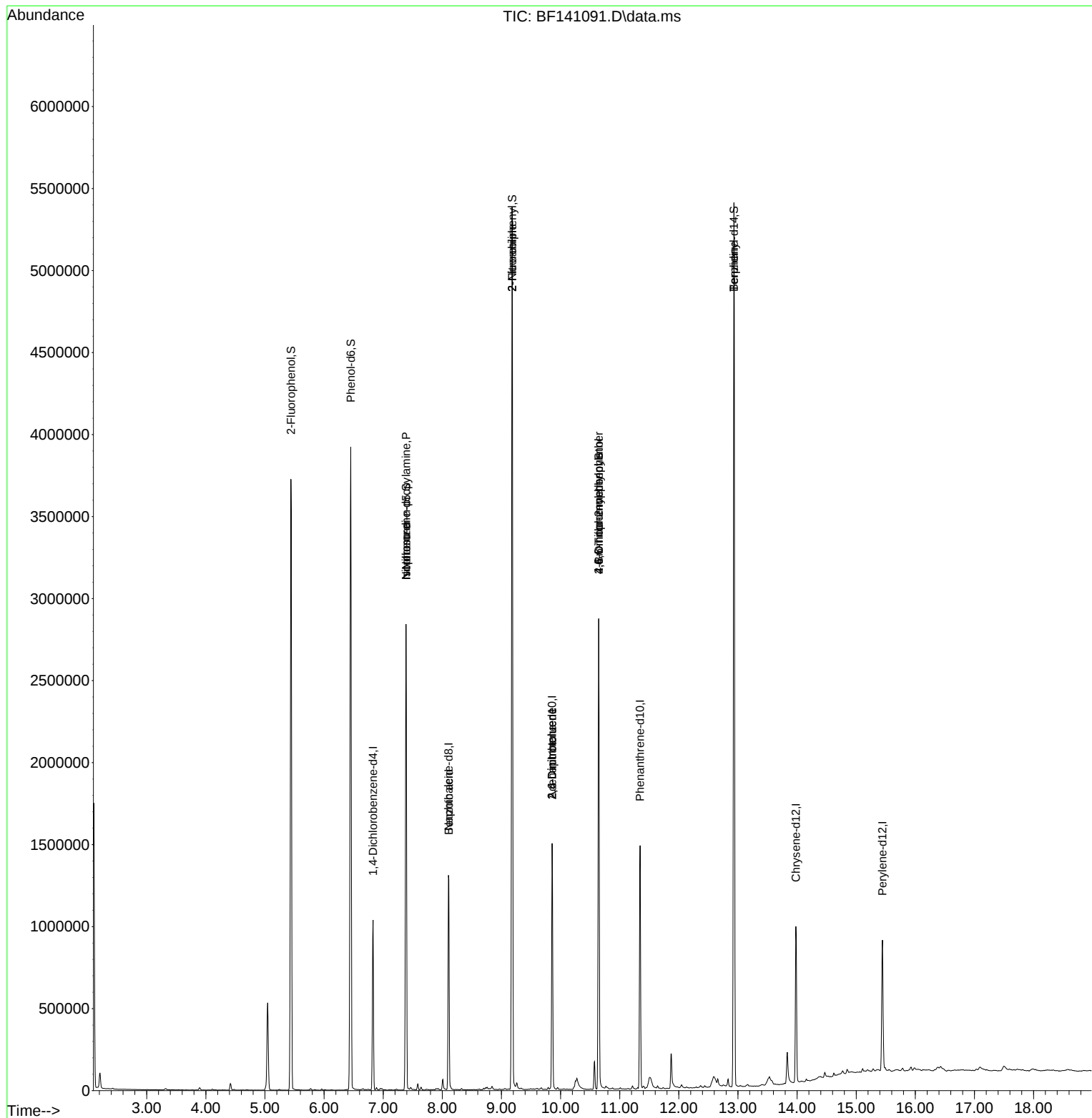
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	213673	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	845325	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	447125	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	742124	20.000	ng	0.00
76) Chrysene-d12	13.980	240	458722	20.000	ng	0.00
86) Perylene-d12	15.445	264	486448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1505186	106.185	ng	0.00
7) Phenol-d6	6.451	99	2041618	111.804	ng	0.00
23) Nitrobenzene-d5	7.386	82	1317642	99.725	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	519848	119.650	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2421207	86.275	ng	0.00
79) Terphenyl-d14	12.933	244	2733984	98.995	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.375	77	717	Below Cal	#	77
19) n-Nitroso-di-n-propyla...	7.386	70	176818	15.806	ng	# 78
25) Isophorone	7.386	82	1310097	45.566	ng	# 65
32) Benzoic acid	8.110	122	54	7.698	ng	# 1
48) 2-Nitroaniline	9.180	65	4452	5.223	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	57999	12.588	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	58001	11.662	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1139	9.653	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	31376	3.911	ng	# 1
77) Benzidine	12.933	184	34202	3.528	ng	# 93

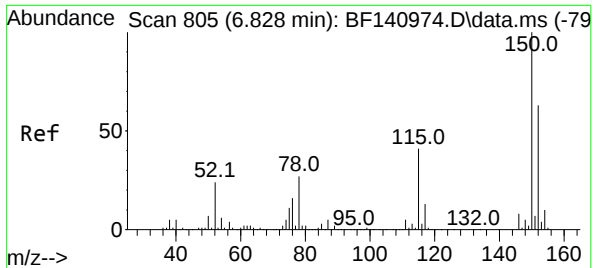
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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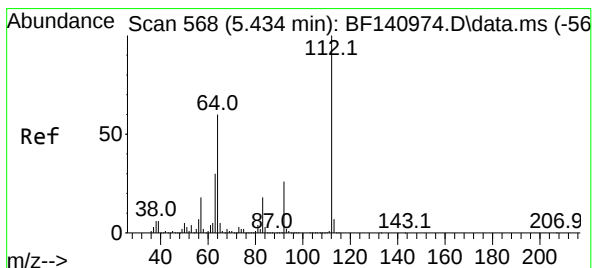
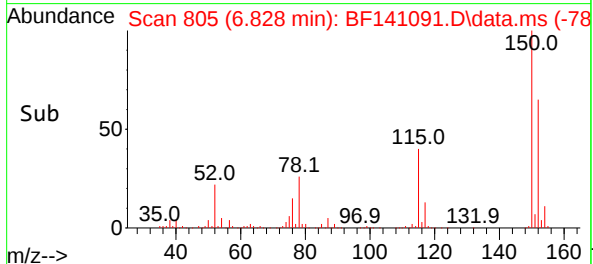
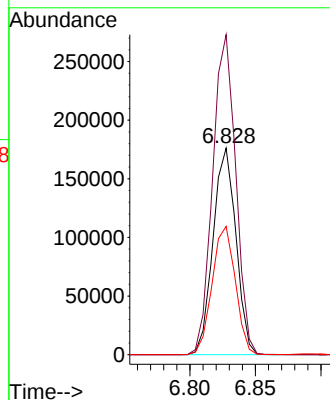
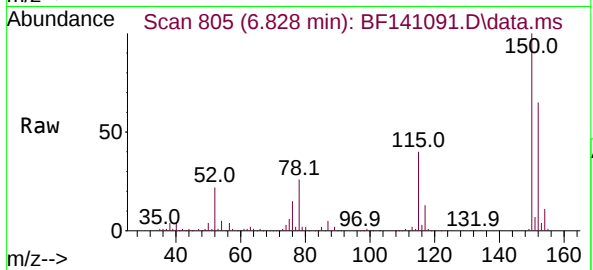




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

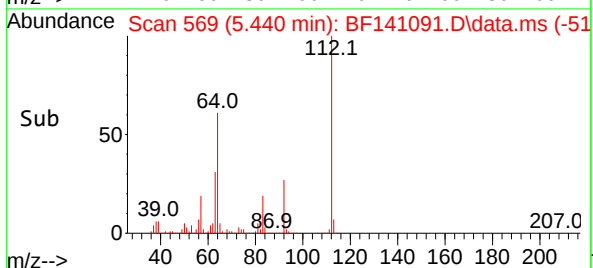
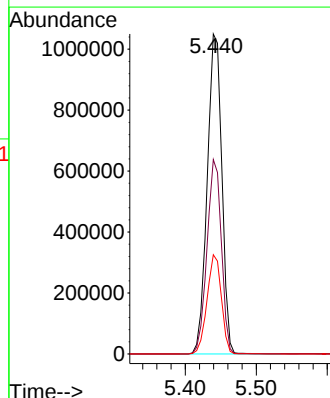
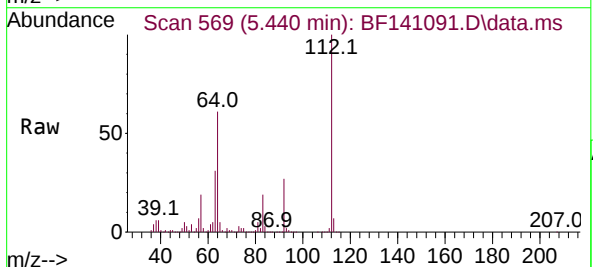
Instrument :
BNA_F
ClientSampleId :
COMP-2

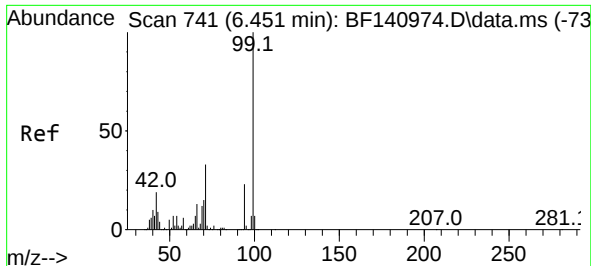
Tgt Ion:152 Resp: 213673
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.6
115 62.1 51.7 77.5



#5
2-Fluorophenol
Concen: 106.185 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

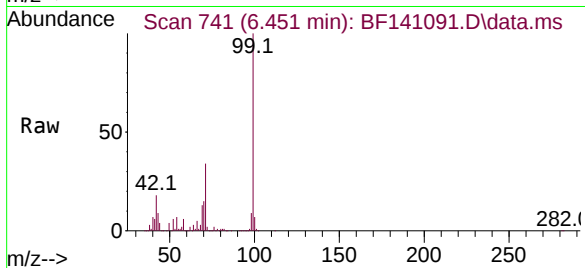
Tgt Ion:112 Resp: 1505186
Ion Ratio Lower Upper
112 100
64 60.7 47.7 71.5
63 31.0 24.2 36.2





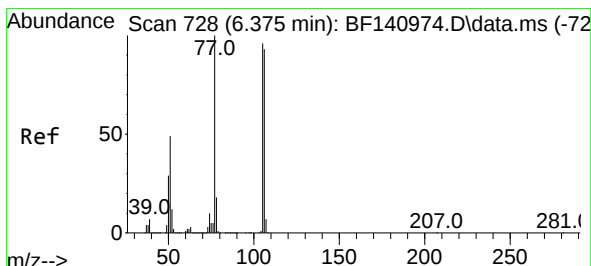
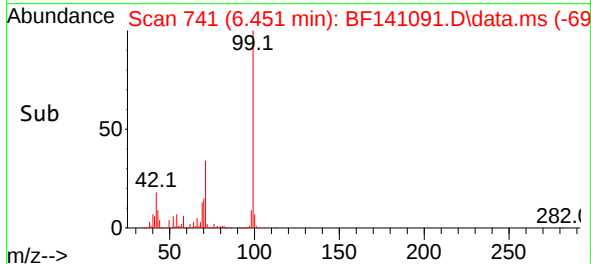
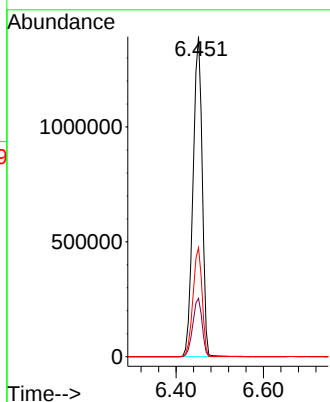
#7
Phenol-d6
Concen: 111.804 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 99 Resp: 2041618

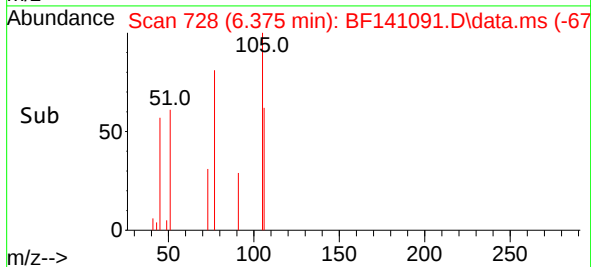
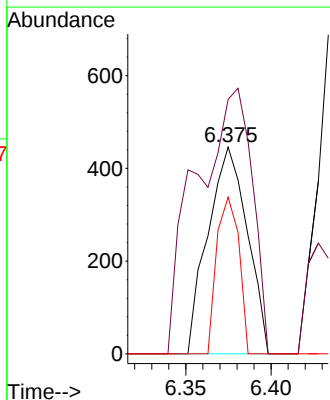
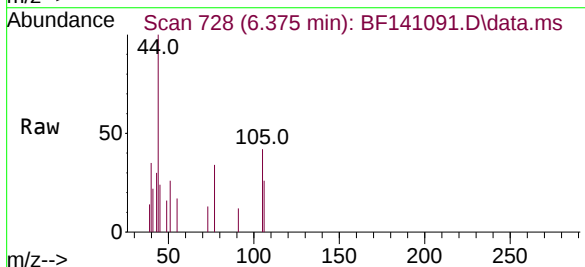
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.0	22.4
71	34.0	26.2	39.2

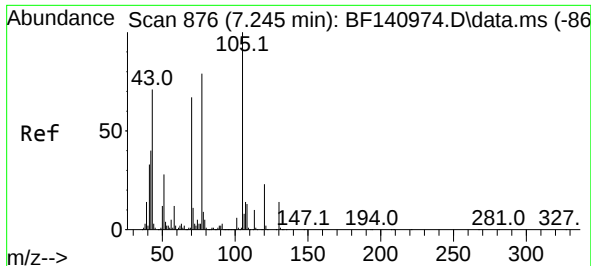


#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Tgt Ion: 77 Resp: 717

Ion	Ratio	Lower	Upper
77	100		
105	123.1	76.2	116.2
106	75.8	73.4	113.4





#19

n-Nitroso-di-n-propylamine

Concen: 15.806 ng

RT: 7.386 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141091.D

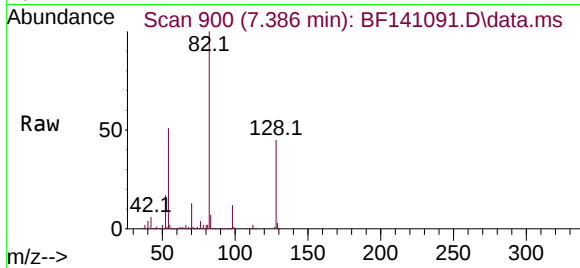
Acq: 08 Jan 2025 18:30

Instrument :

BNA_F

ClientSampleId :

COMP-2



Tgt Ion: 70 Resp: 176818

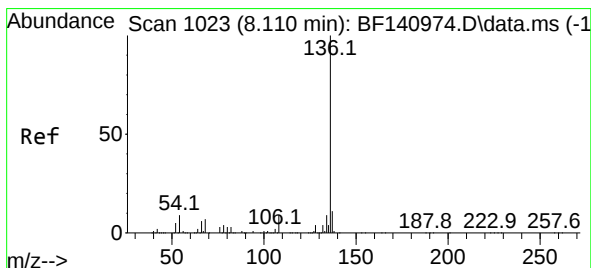
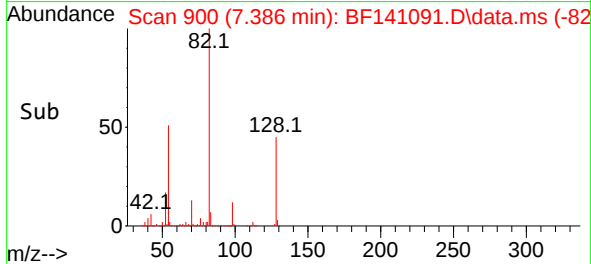
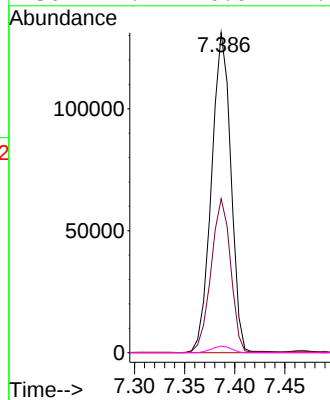
Ion Ratio Lower Upper

70 100

42 48.1 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: BF141091.D

Acq: 08 Jan 2025 18:30

Tgt Ion: 136 Resp: 845325

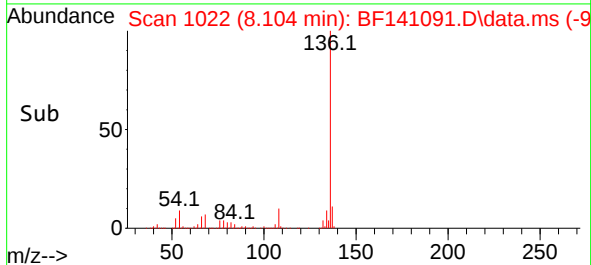
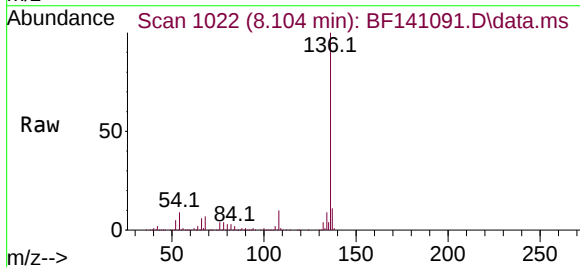
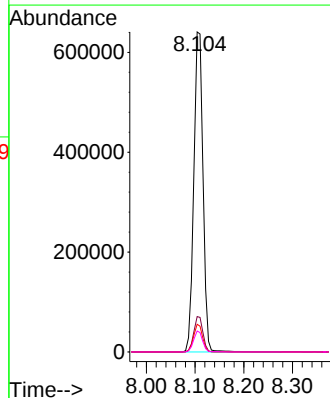
Ion Ratio Lower Upper

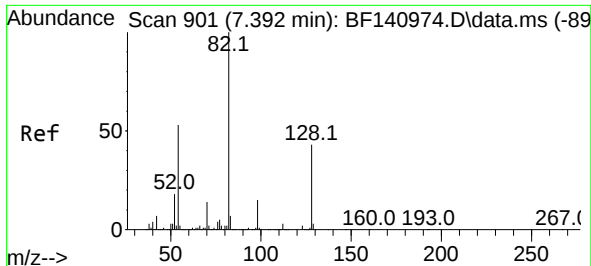
136 100

137 11.0 9.0 13.4

54 8.6 7.6 11.4

68 6.5 5.6 8.4





#23

Nitrobenzene-d5

Concen: 99.725 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141091.D

Acq: 08 Jan 2025 18:30

Instrument :

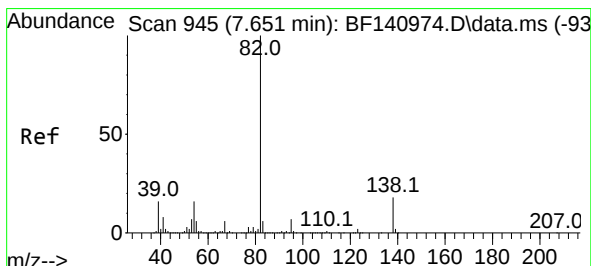
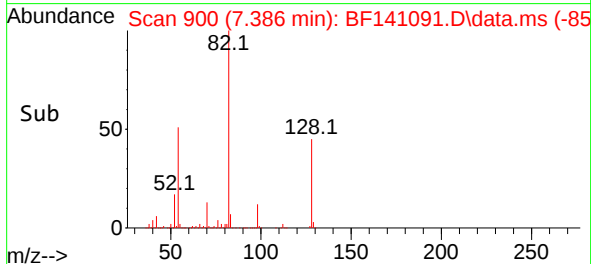
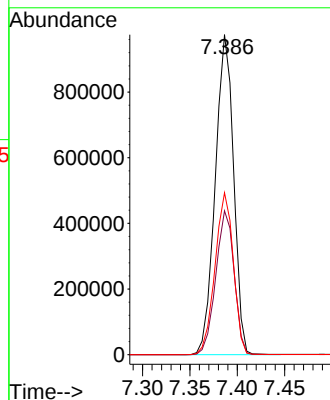
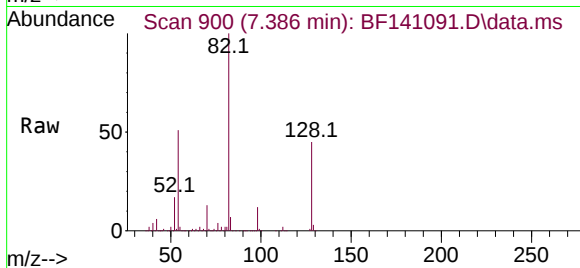
BNA_F

ClientSampleId :

COMP-2

Tgt Ion: 82 Resp: 1317642

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.4	51.6
54	50.6	42.4	63.6



#25

Isophorone

Concen: 45.566 ng

RT: 7.386 min Scan# 900

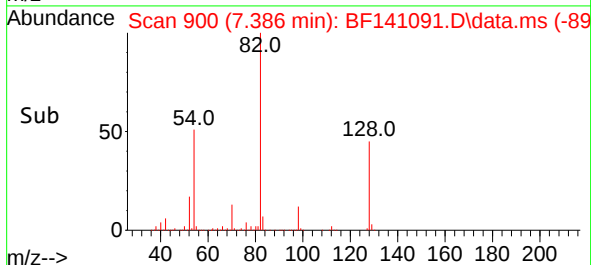
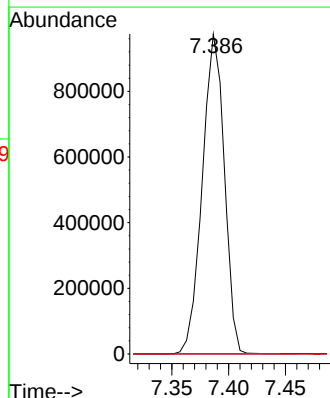
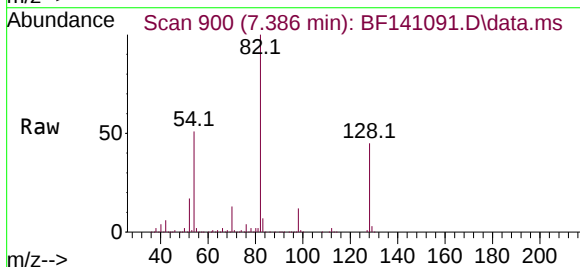
Delta R.T. -0.265 min

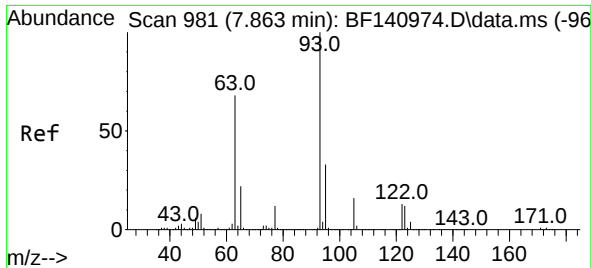
Lab File: BF141091.D

Acq: 08 Jan 2025 18:30

Tgt Ion: 82 Resp: 1310097

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

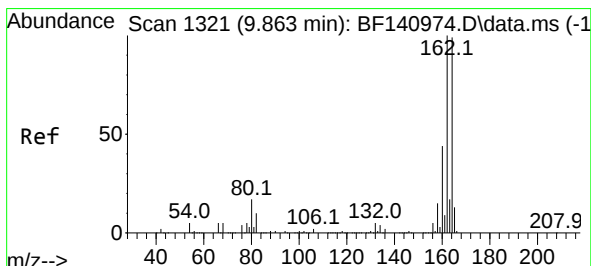
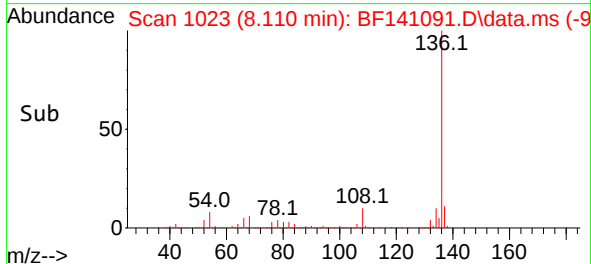
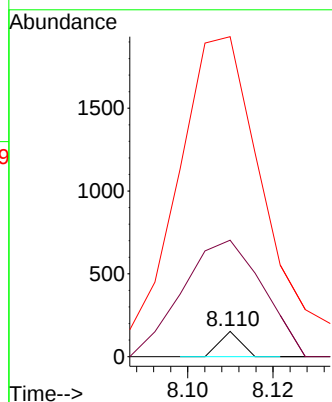
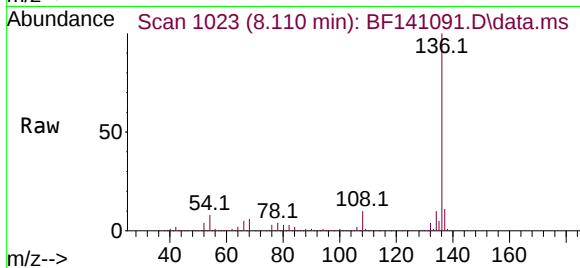




#32
Benzoic acid
Concen: 7.698 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.247 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

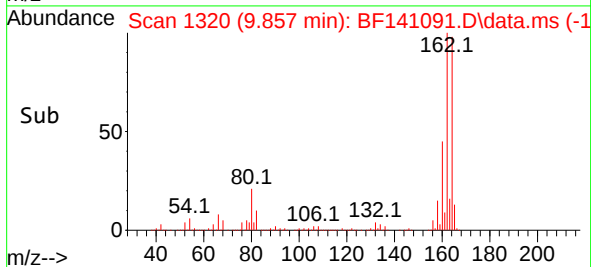
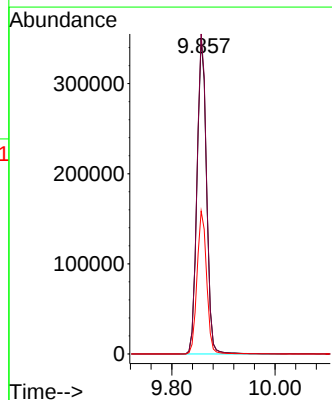
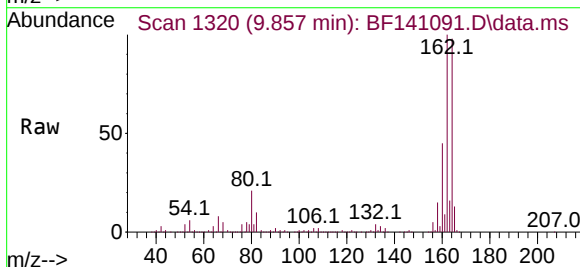
Instrument :
BNA_F
ClientSampleId :
COMP-2

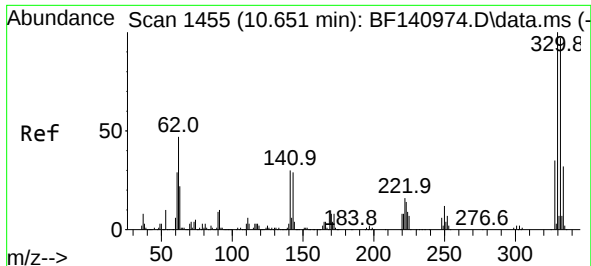
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 459.5 105.4 145.4#
77 1262.7 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Tgt Ion:164 Resp: 447125
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 119.650 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141091.D

Acq: 08 Jan 2025 18:30

Instrument :

BNA_F

ClientSampleId :

COMP-2

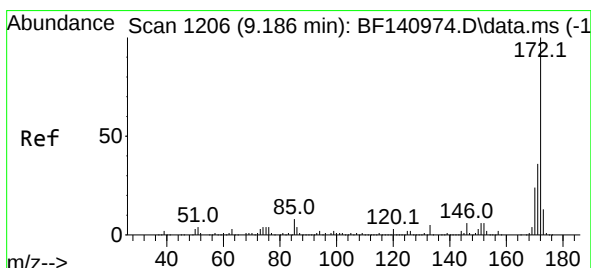
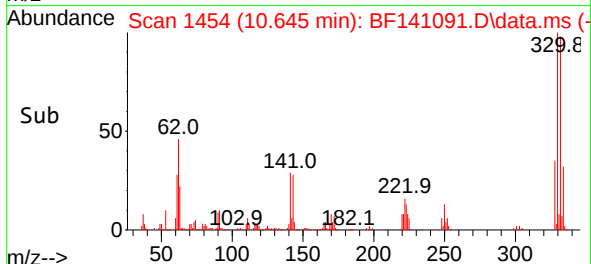
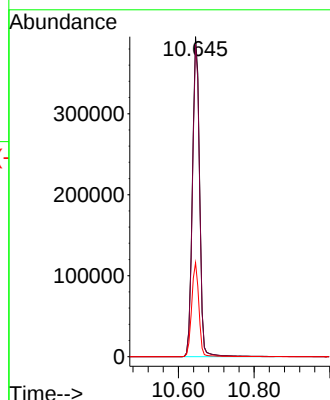
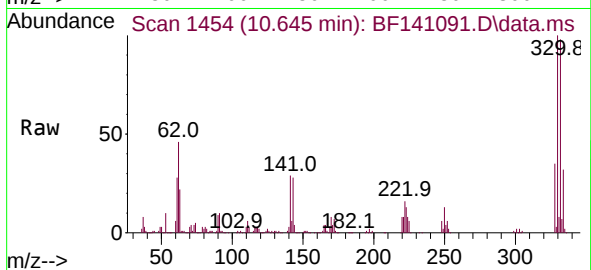
Tgt Ion:330 Resp: 519848

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 29.6 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 86.275 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141091.D

Acq: 08 Jan 2025 18:30

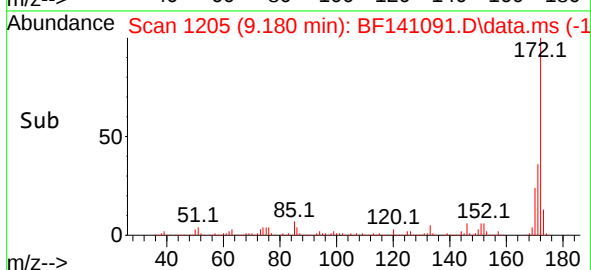
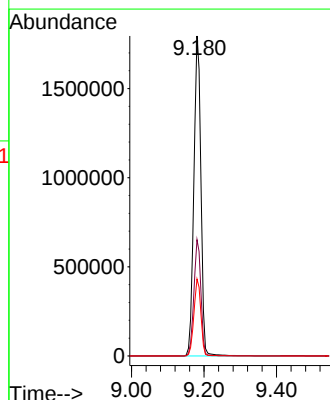
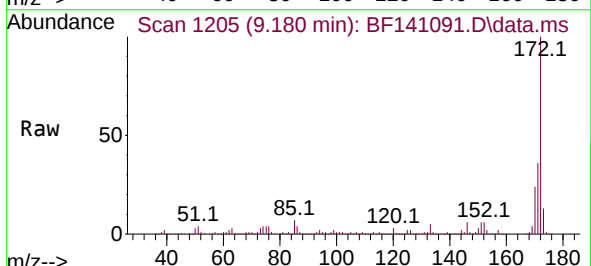
Tgt Ion:172 Resp: 2421207

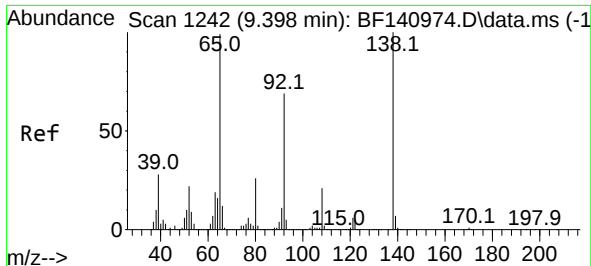
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

170 24.0 19.6 29.4

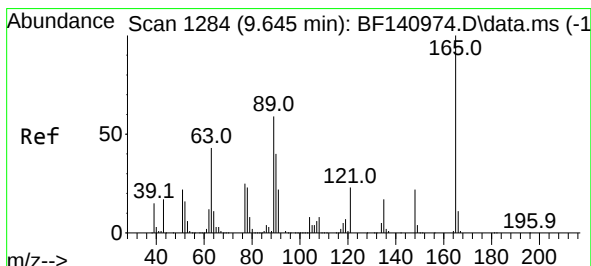
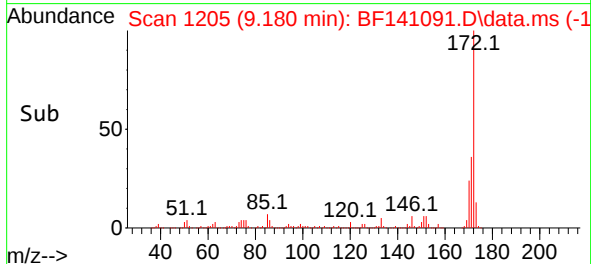
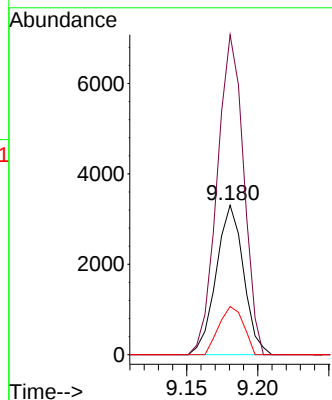
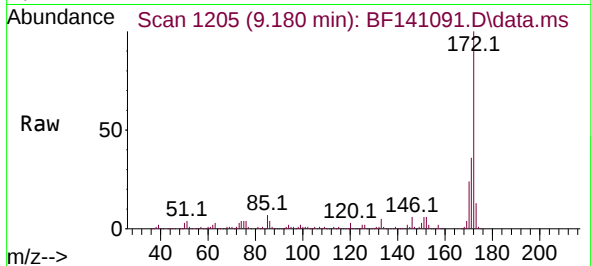




#48
2-Nitroaniline
Concen: 5.223 ng
RT: 9.180 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

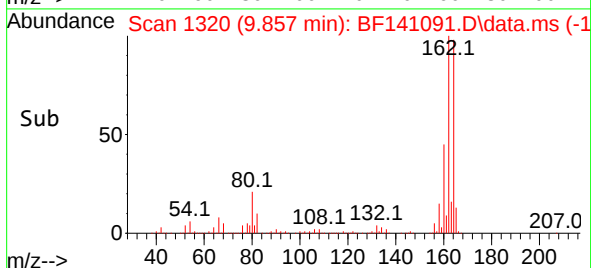
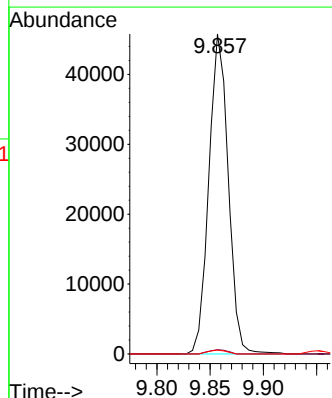
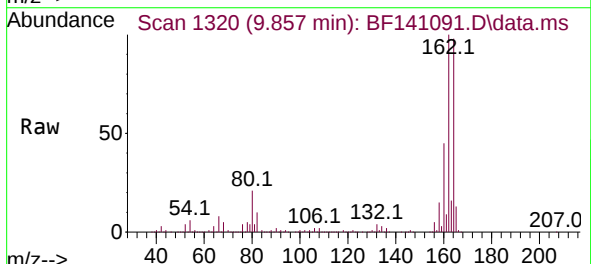
Instrument :
BNA_F
ClientSampleId :
COMP-2

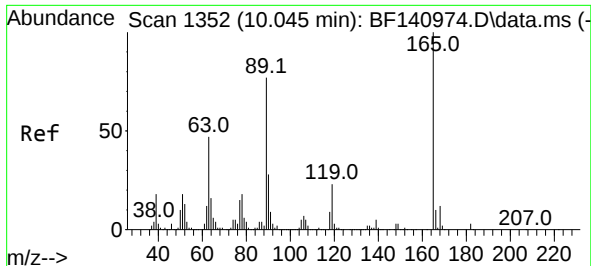
Tgt Ion: 65 Resp: 4452
Ion Ratio Lower Upper
65 100
92 214.1 55.6 83.4#
138 32.2 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.588 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Tgt Ion: 165 Resp: 57999
Ion Ratio Lower Upper
165 100
63 1.3 47.1 70.7#
89 1.2 47.0 70.4#

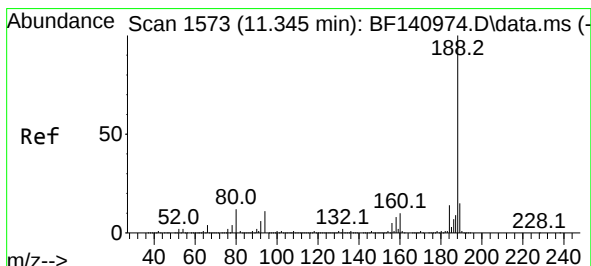
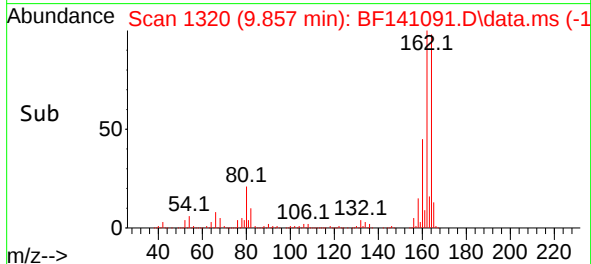
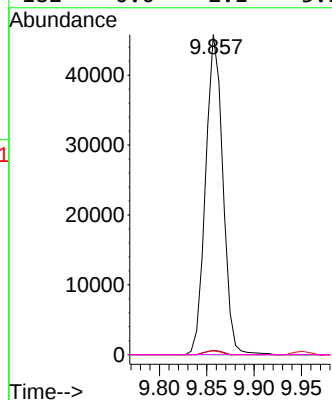
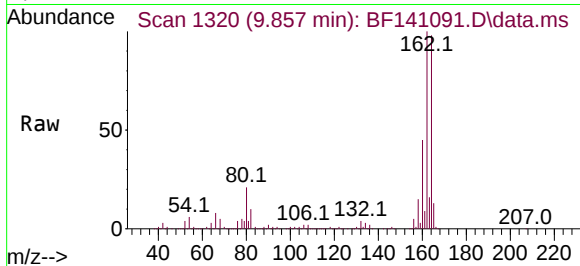




#57
2,4-Dinitrotoluene
Concen: 11.662 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

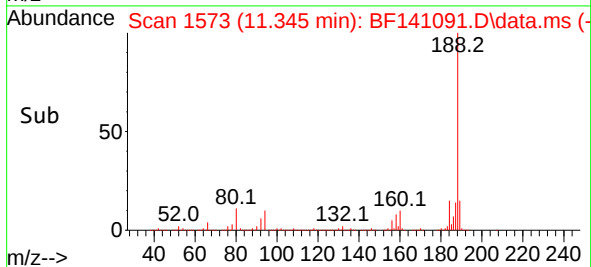
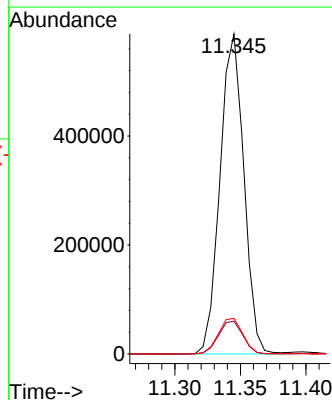
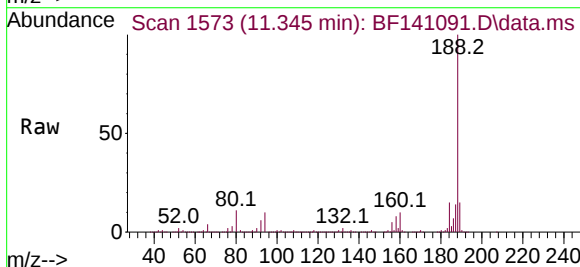
Instrument :
BNA_F
ClientSampleId :
COMP-2

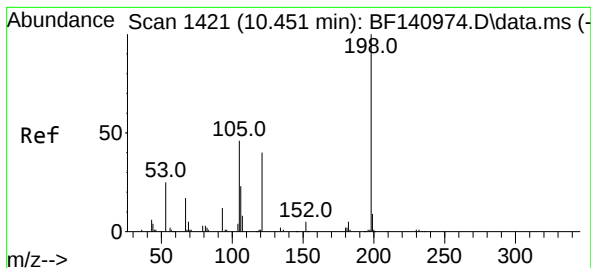
Tgt Ion:165 Resp: 58001
Ion Ratio Lower Upper
165 100
63 1.3 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Tgt Ion:188 Resp: 742124
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.6
80 11.1 9.8 14.6

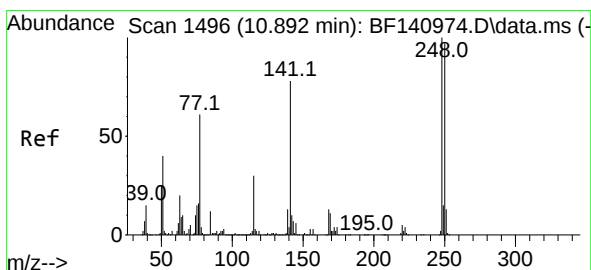
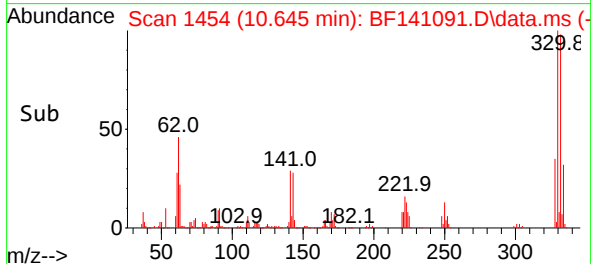
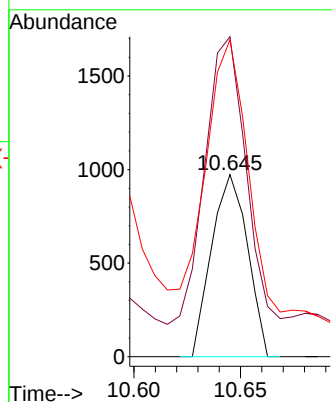
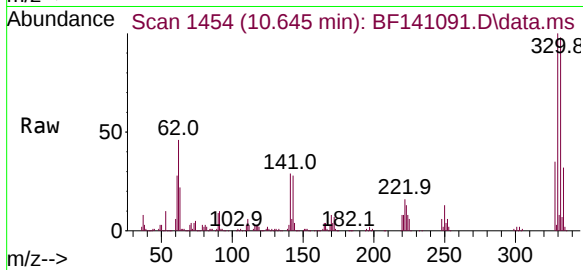




#65
4,6-Dinitro-2-methylphenol
Concen: 9.653 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

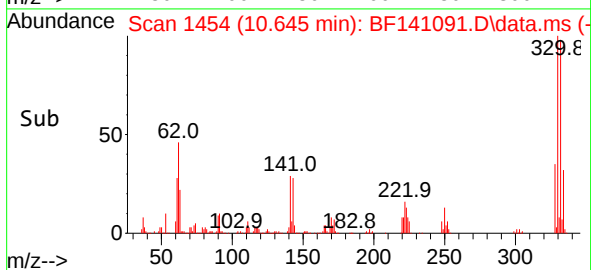
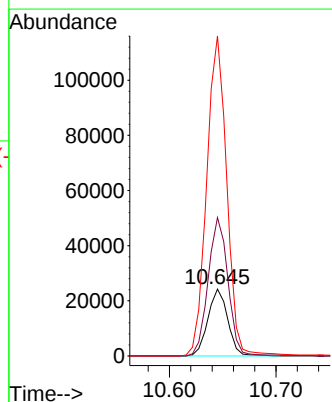
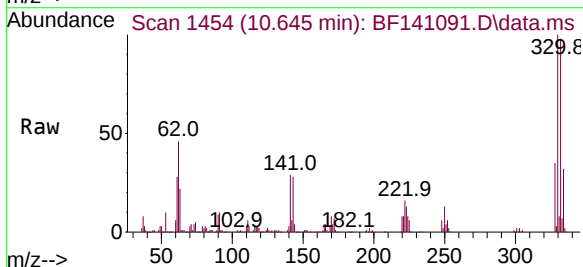
Instrument :
BNA_F
ClientSampleId :
COMP-2

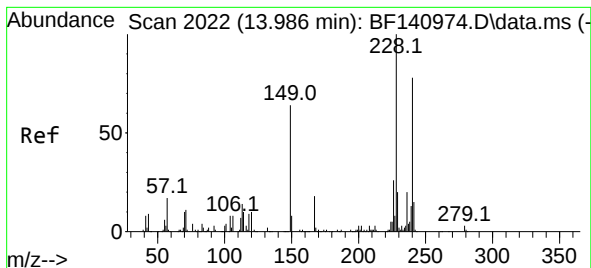
Tgt Ion:198 Resp: 1139
Ion Ratio Lower Upper
198 100
51 175.7 32.3 72.3#
105 174.1 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 3.911 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141091.D
Acq: 08 Jan 2025 18:30

Tgt Ion:248 Resp: 31376
Ion Ratio Lower Upper
248 100
250 206.8 77.7 116.5#
141 478.1 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: BF141091.D

Acq: 08 Jan 2025 18:30

Instrument :

BNA_F

ClientSampleId :

COMP-2

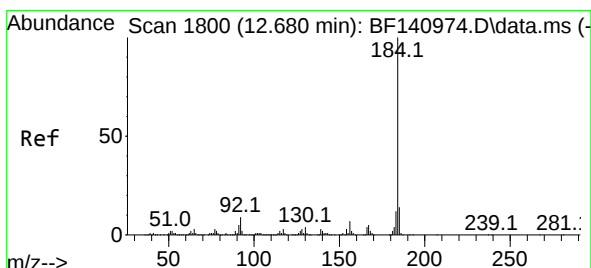
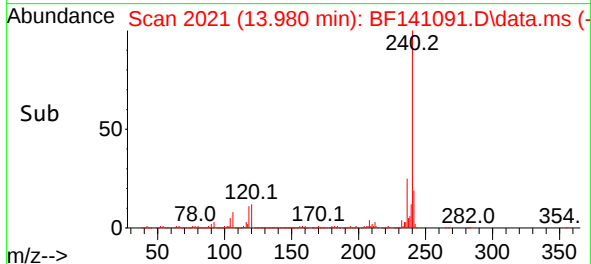
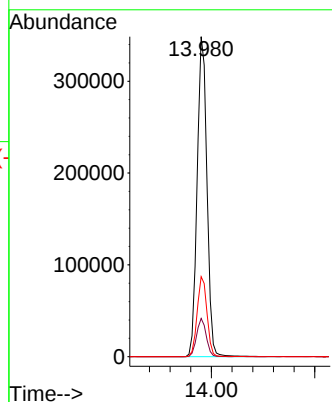
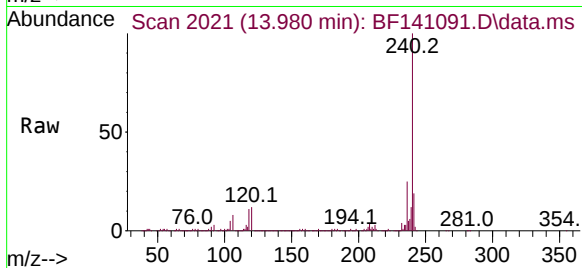
Tgt Ion:240 Resp: 458722

Ion Ratio Lower Upper

240 100

120 11.9 10.7 16.1

236 25.0 20.6 31.0



#77

Benzidine

Concen: 3.528 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF141091.D

Acq: 08 Jan 2025 18:30

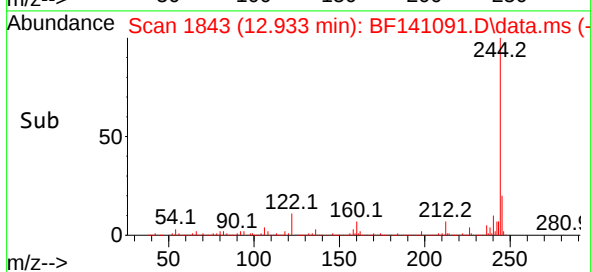
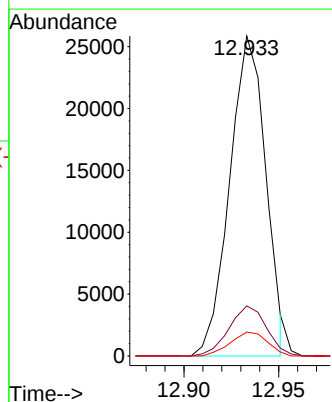
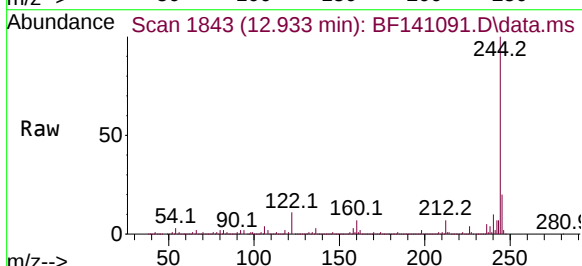
Tgt Ion:184 Resp: 34202

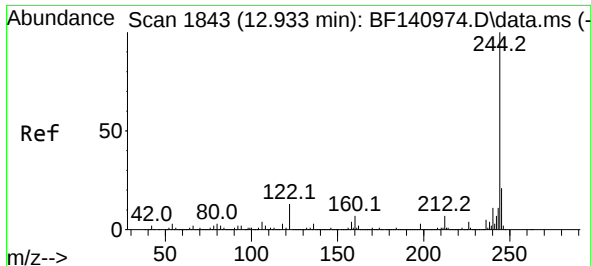
Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.2

183 7.5 9.4 14.0#

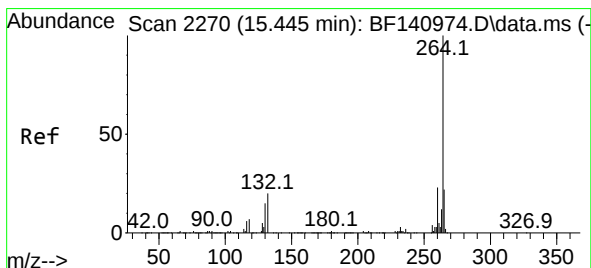
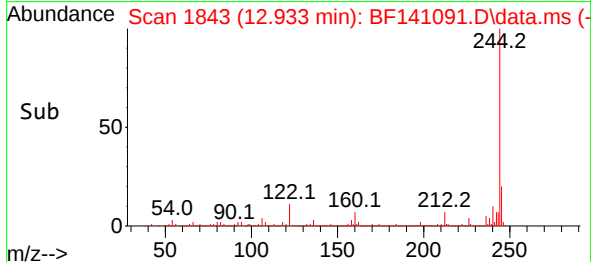
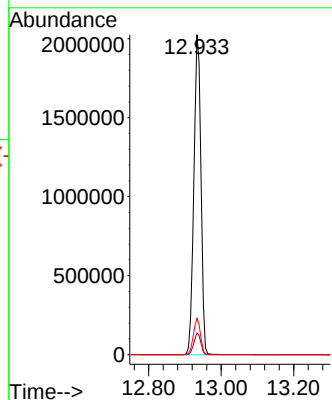
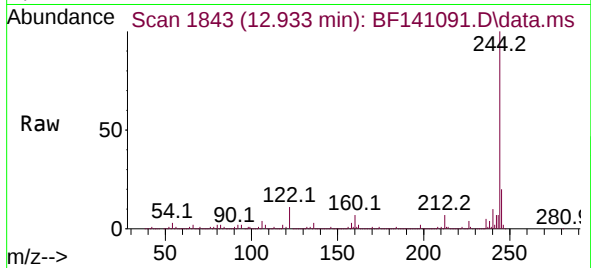




#79
 Terphenyl-d14
 Concen: 98.995 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141091.D
 Acq: 08 Jan 2025 18:30

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:244 Resp: 2733984
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 11.4 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: BF141091.D
 Acq: 08 Jan 2025 18:30

Tgt Ion:264 Resp: 486448
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.7 28.1
 265 21.6 17.4 26.2

