

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141089.D
 Acq On : 08 Jan 2025 17:38
 Operator : RC/JU
 Sample : Q1034-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SF-6-B

Quant Time: Jan 09 00:02:59 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)

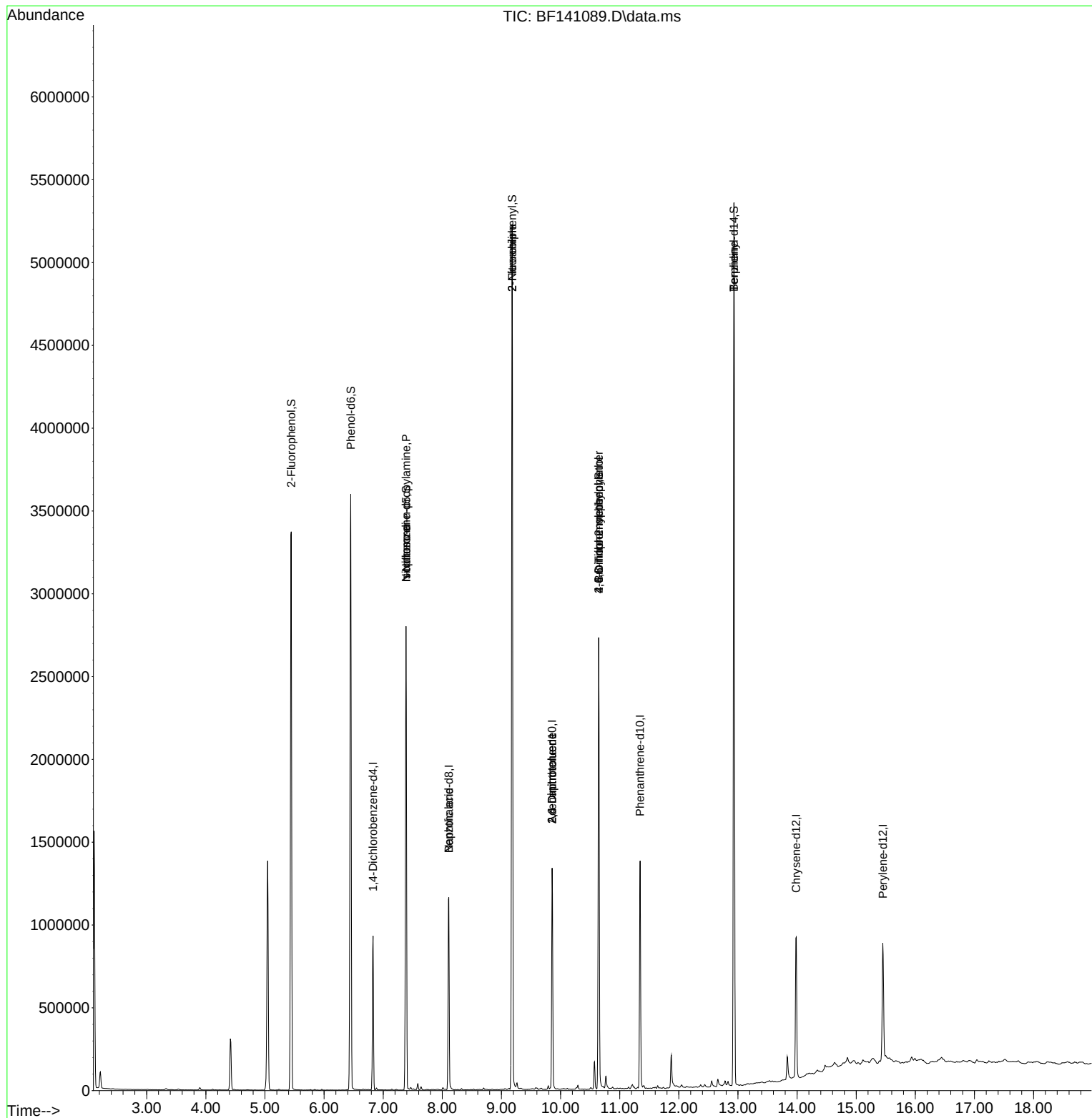
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	193259	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	765069	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	402518	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	681923	20.000	ng	0.00
76) Chrysene-d12	13.986	240	414793	20.000	ng	0.00
86) Perylene-d12	15.451	264	434001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1378076	107.487	ng	0.01
7) Phenol-d6	6.451	99	1867751	113.087	ng	0.00
23) Nitrobenzene-d5	7.387	82	1297345	108.489	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	497565	127.212	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2364562	93.594	ng	0.00
79) Terphenyl-d14	12.933	244	2649856	106.111	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	120	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.387	70	174886	17.284	ng	# 77
25) Isophorone	7.387	82	1273181	48.927	ng	# 65
32) Benzoic acid	8.110	122	53	7.698	ng	# 1
48) 2-Nitroaniline	9.181	65	4050	5.229	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	52752	12.681	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	52819	11.744	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	859	9.598	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	29953	4.063	ng	# 1
77) Benzidine	12.933	184	34012	3.880	ng	# 93

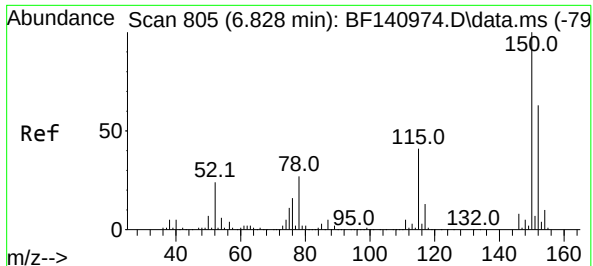
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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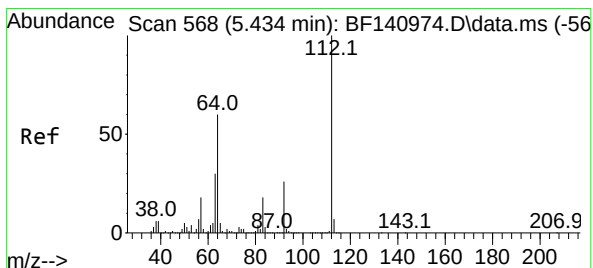
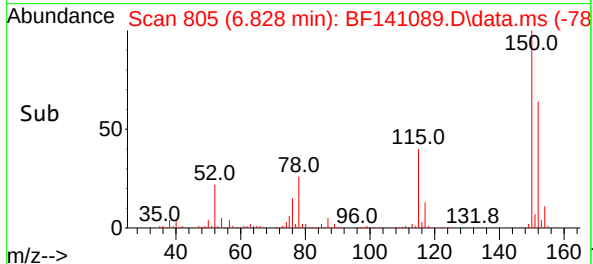
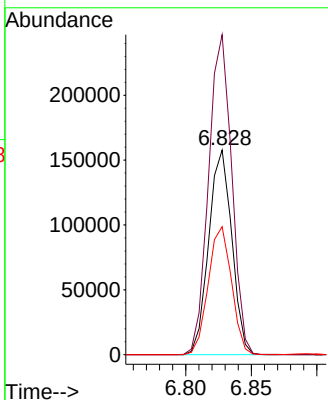
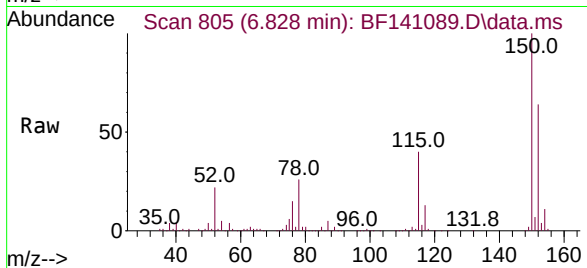




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

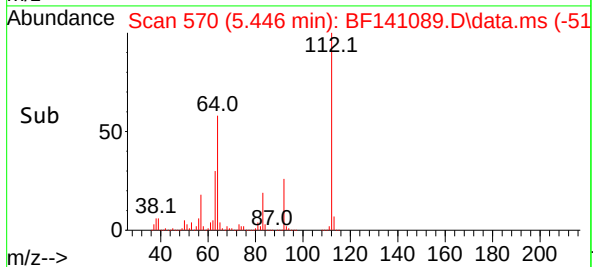
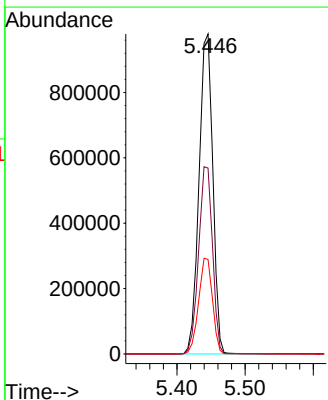
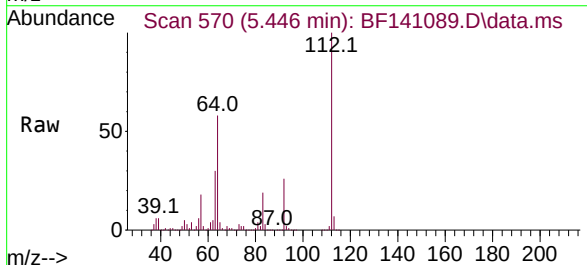
Instrument :
BNA_F
ClientSampleId :
SF-6-B

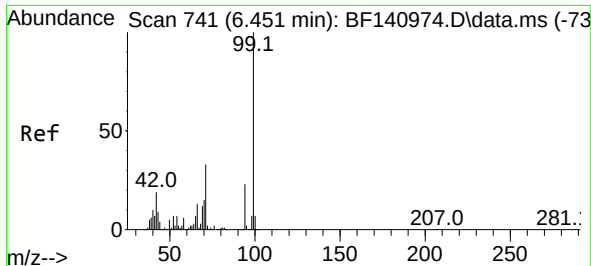
Tgt Ion:152 Resp: 193259
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 62.6 51.7 77.5



#5
2-Fluorophenol
Concen: 107.487 ng
RT: 5.446 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion:112 Resp: 1378076
Ion Ratio Lower Upper
112 100
64 58.1 47.7 71.5
63 29.6 24.2 36.2



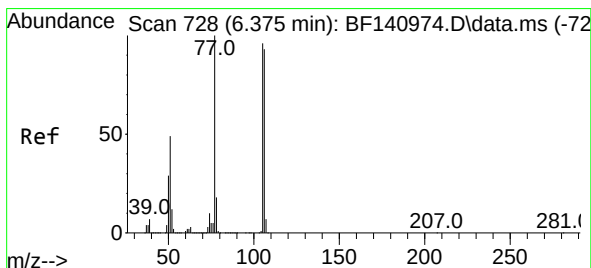
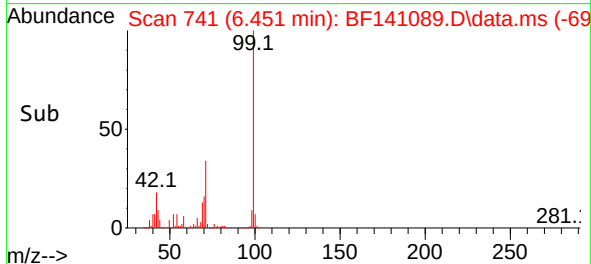
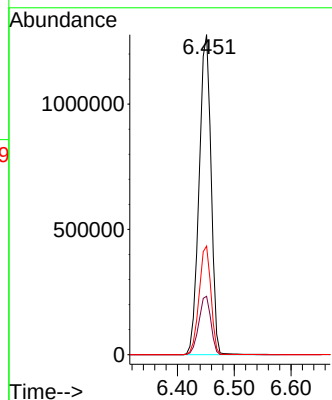
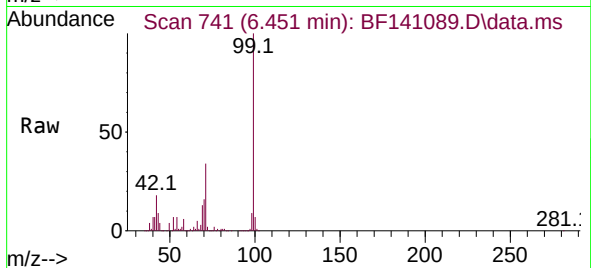


#7
Phenol-d6
Concen: 113.087 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SF-6-B

Tgt Ion: 99 Resp: 1867751

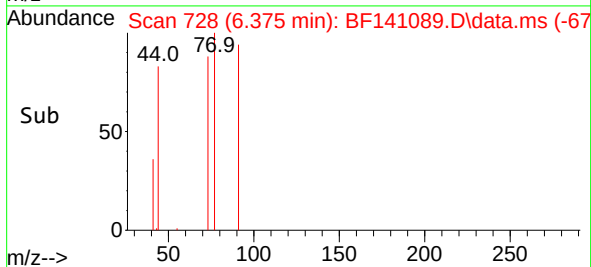
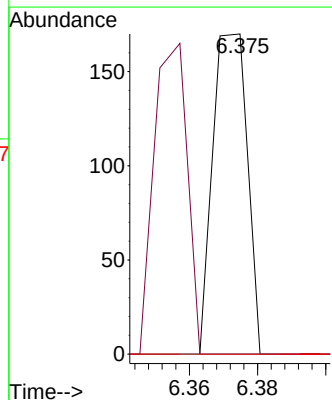
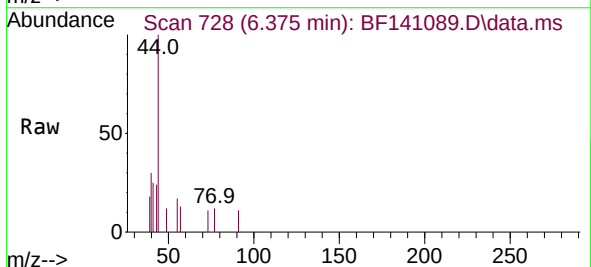
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.0	22.4
71	34.0	26.2	39.2

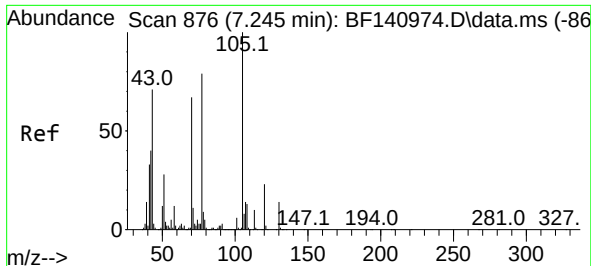


#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion: 77 Resp: 120

Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.2	116.2#
106	0.0	73.4	113.4#

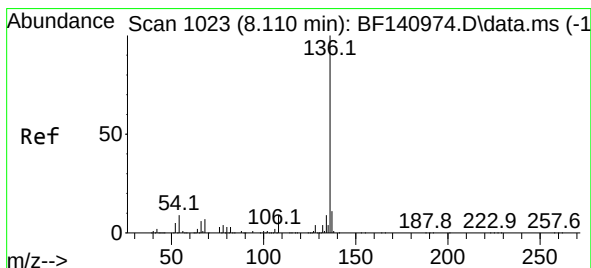
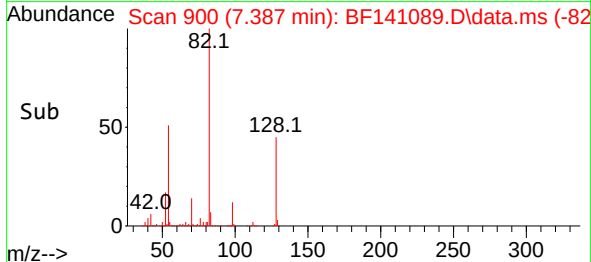
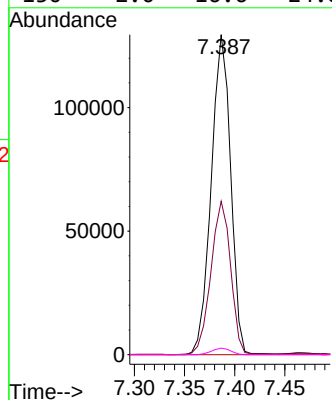
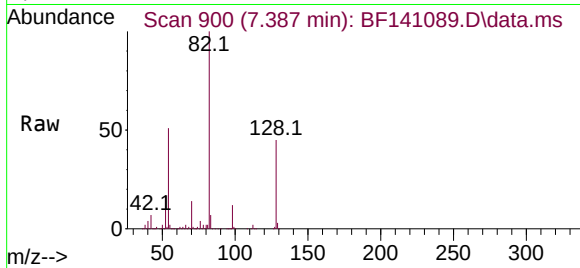




#19
n-Nitroso-di-n-propylamine
Concen: 17.284 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

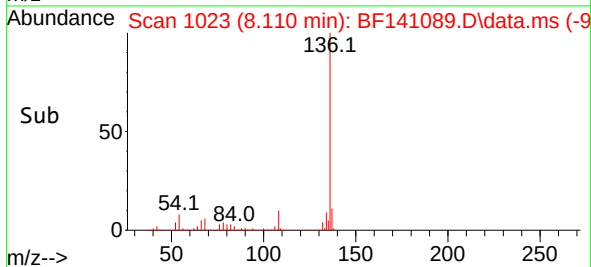
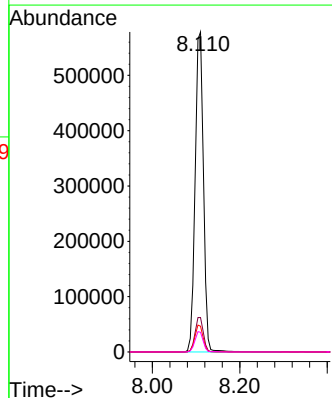
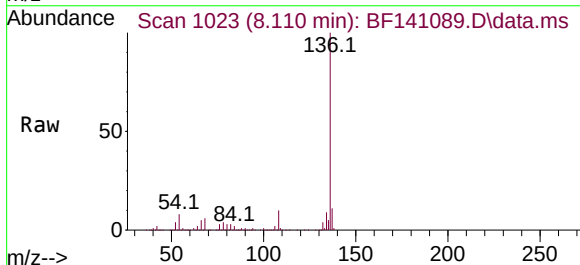
Instrument :
BNA_F
ClientSampleId :
SF-6-B

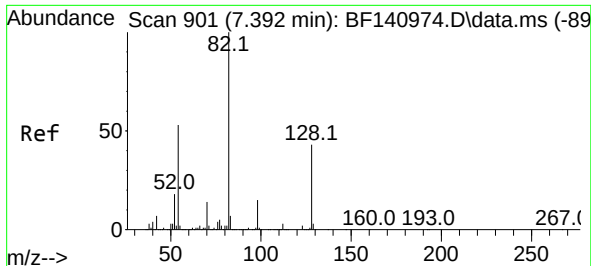
Tgt Ion: 70 Resp: 174886
Ion Ratio Lower Upper
70 100
42 47.9 48.1 72.1#
101 0.0 7.6 11.4#
130 2.0 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion: 136 Resp: 765069
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.0 7.6 11.4
68 6.1 5.6 8.4

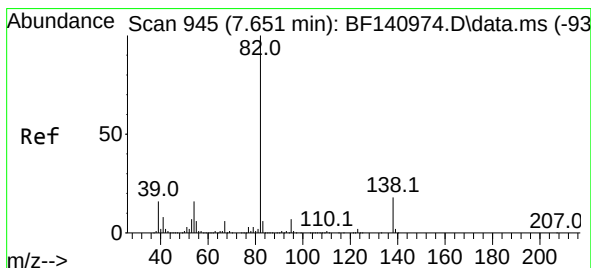
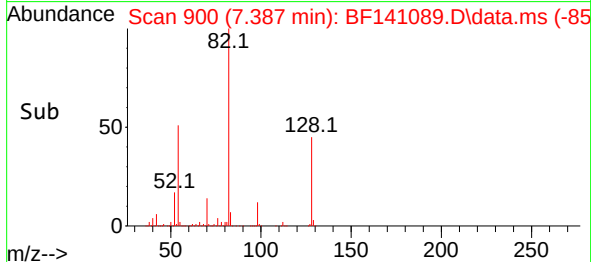
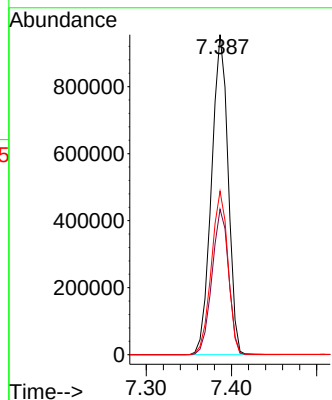
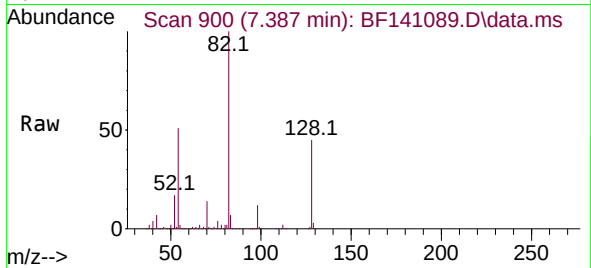




#23
Nitrobenzene-d5
Concen: 108.489 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

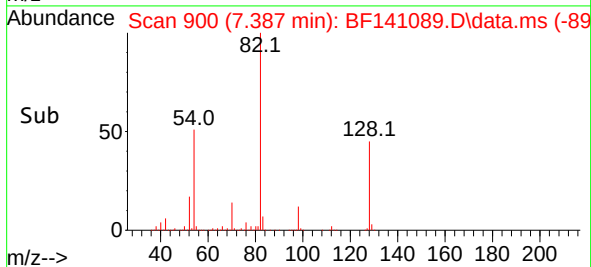
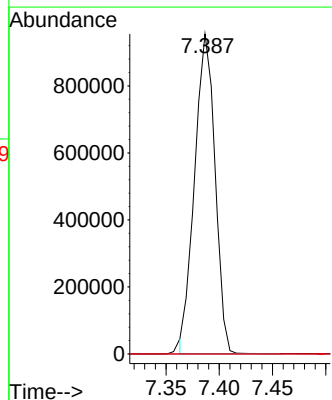
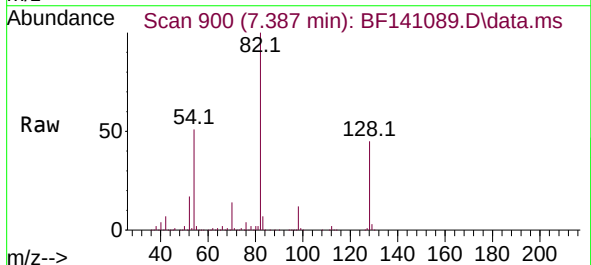
Instrument :
BNA_F
ClientSampleId :
SF-6-B

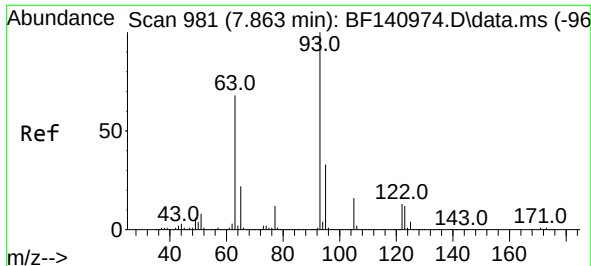
Tgt Ion: 82 Resp: 1297345
Ion Ratio Lower Upper
82 100
128 45.5 34.4 51.6
54 51.1 42.4 63.6



#25
Isophorone
Concen: 48.927 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion: 82 Resp: 1273181
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

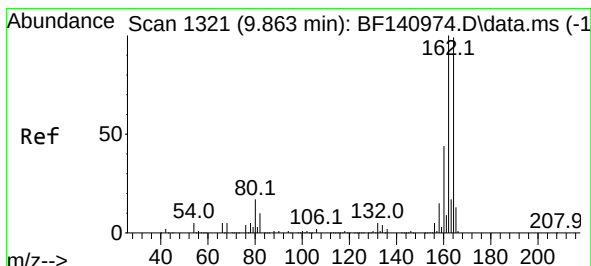
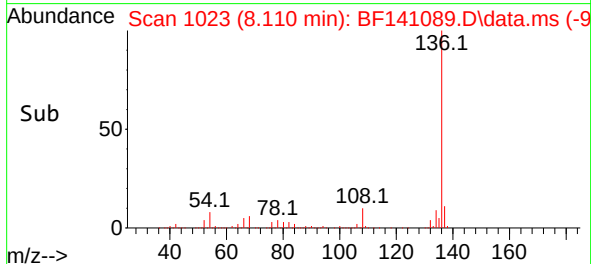
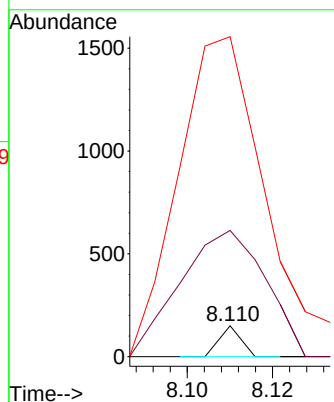
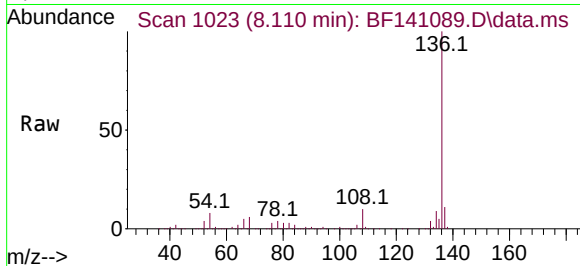




#32
Benzoic acid
Concen: 7.698 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.247 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

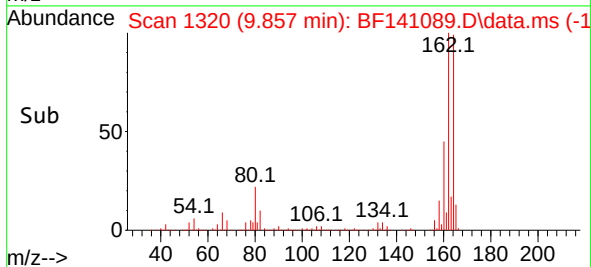
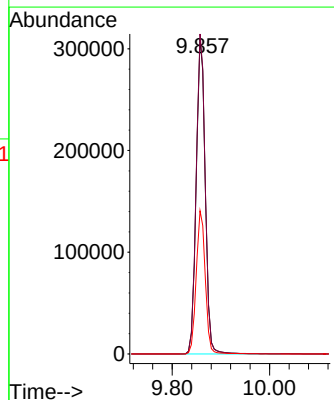
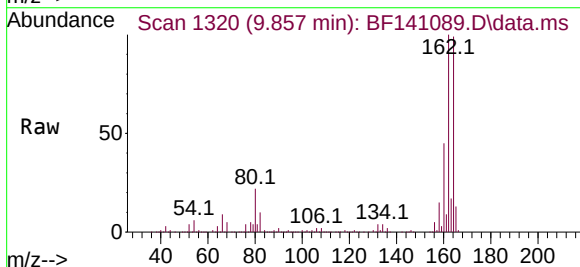
Instrument :
BNA_F
ClientSampleId :
SF-6-B

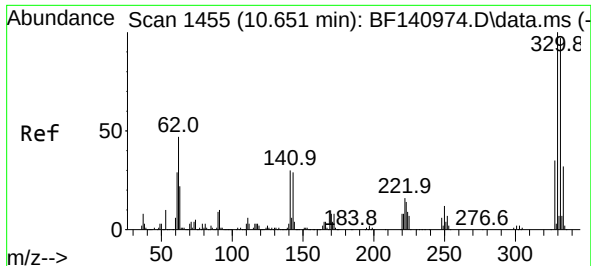
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 409.3 105.4 145.4#
77 1037.3 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

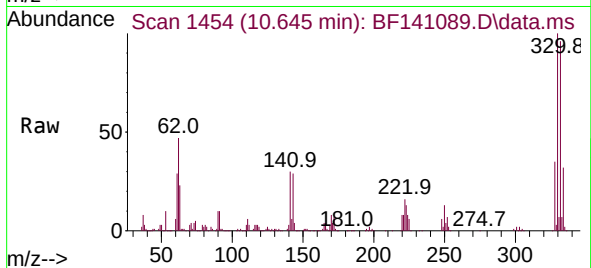
Tgt Ion:164 Resp: 402518
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.3 35.7 53.5



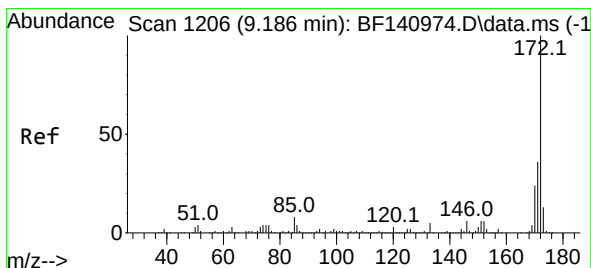
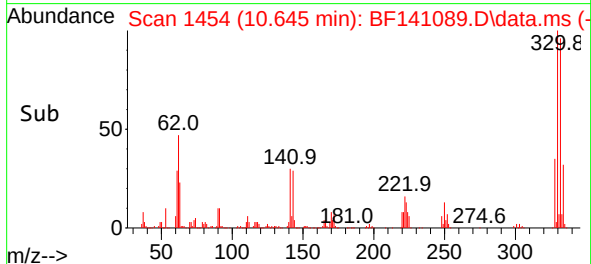
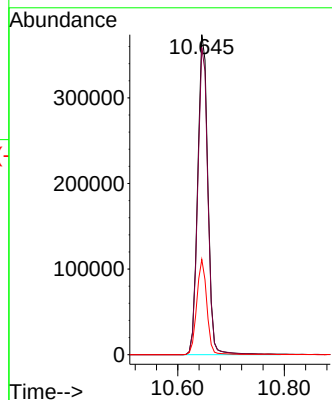


#42
2,4,6-Tribromophenol
Concen: 127.212 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Instrument :
BNA_F
ClientSampleId :
SF-6-B

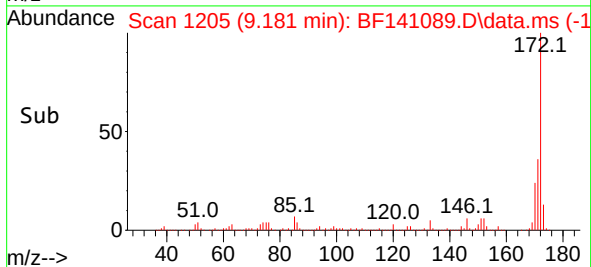
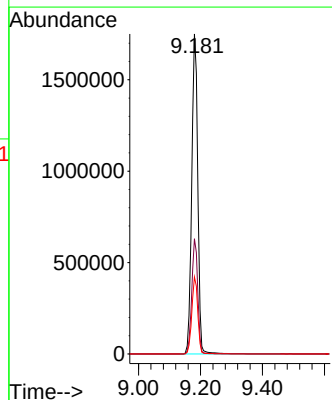
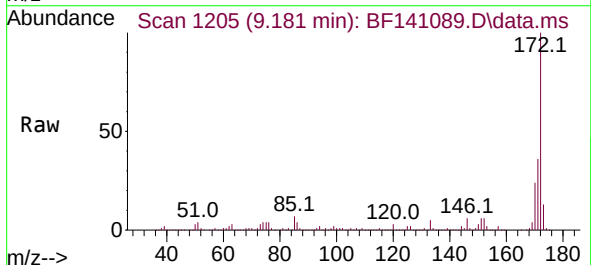


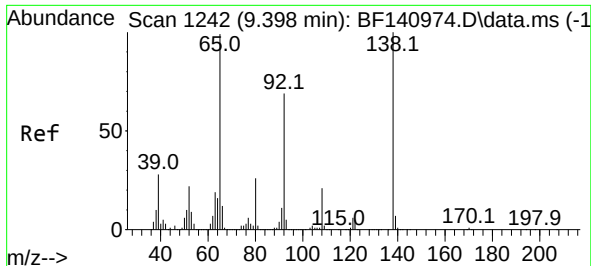
Tgt Ion:330 Resp: 497565
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 29.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 93.594 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion:172 Resp: 2364562
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 24.0 19.6 29.4





#48

2-Nitroaniline

Concen: 5.229 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141089.D

Acq: 08 Jan 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SF-6-B

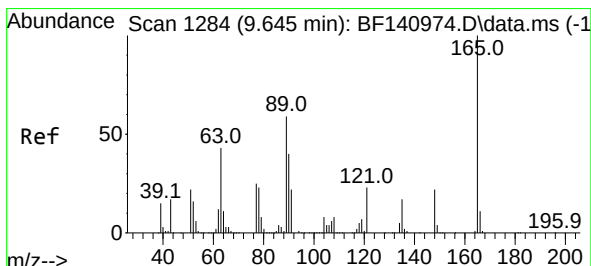
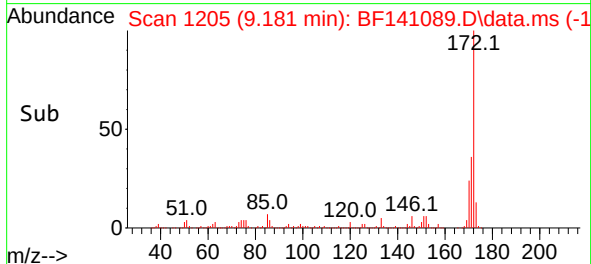
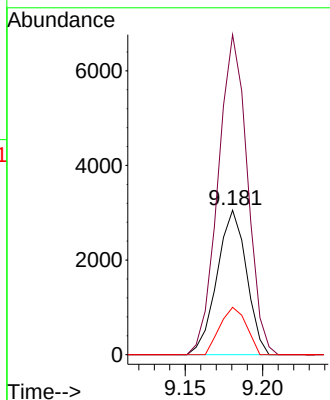
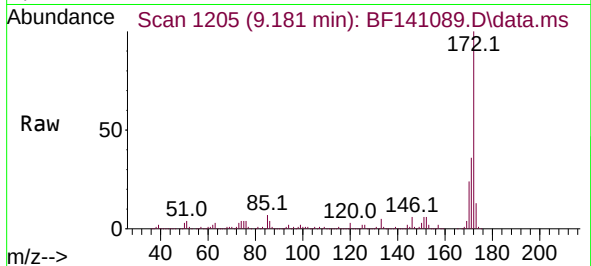
Tgt Ion: 65 Resp: 4050

Ion Ratio Lower Upper

65 100

92 221.4 55.6 83.4#

138 32.8 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.681 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141089.D

Acq: 08 Jan 2025 17:38

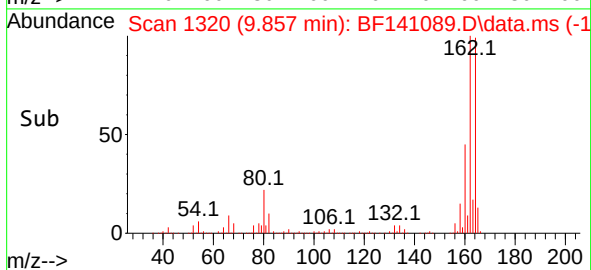
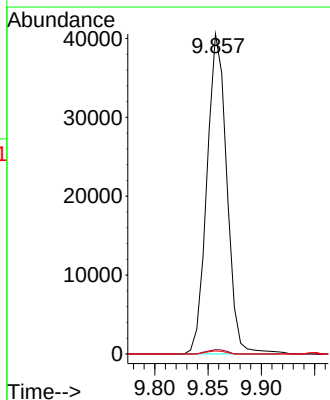
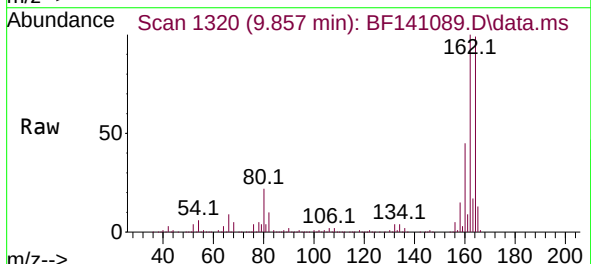
Tgt Ion:165 Resp: 52752

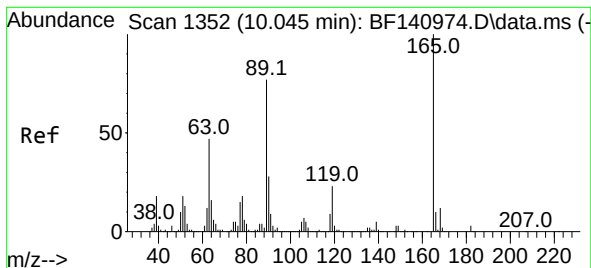
Ion Ratio Lower Upper

165 100

63 1.3 47.1 70.7#

89 0.9 47.0 70.4#





#57

2,4-Dinitrotoluene

Concen: 11.744 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.188 min

Lab File: BF141089.D

Acq: 08 Jan 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SF-6-B

Tgt Ion:165 Resp: 52819

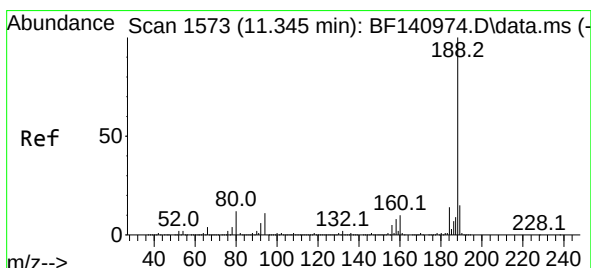
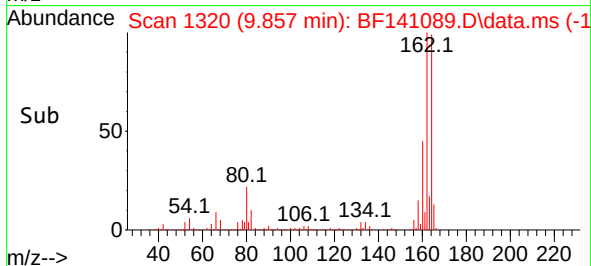
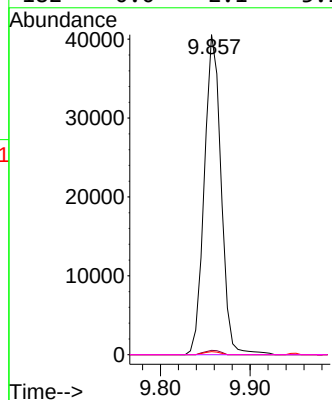
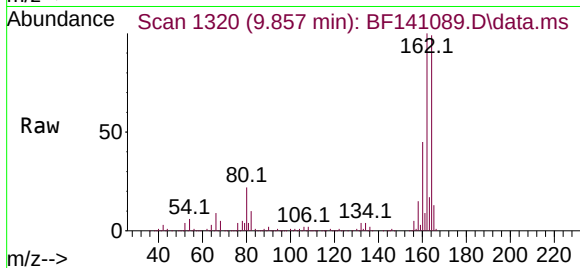
Ion Ratio Lower Upper

165 100

63 1.3 38.1 57.1#

89 0.9 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: BF141089.D

Acq: 08 Jan 2025 17:38

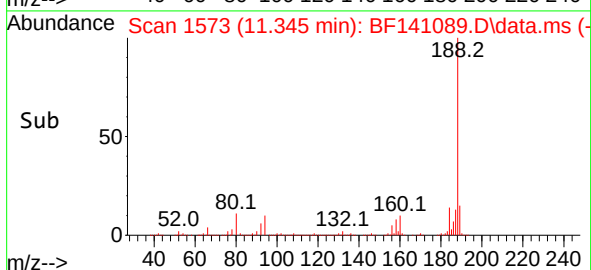
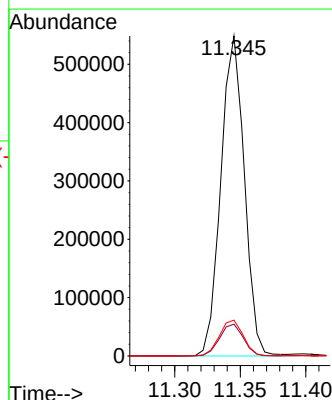
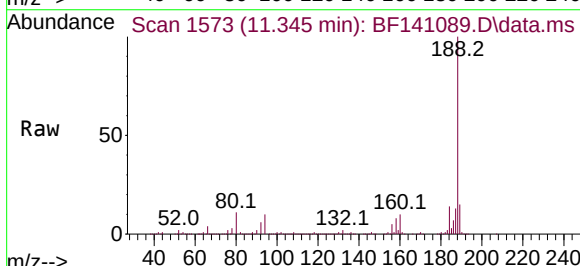
Tgt Ion:188 Resp: 681923

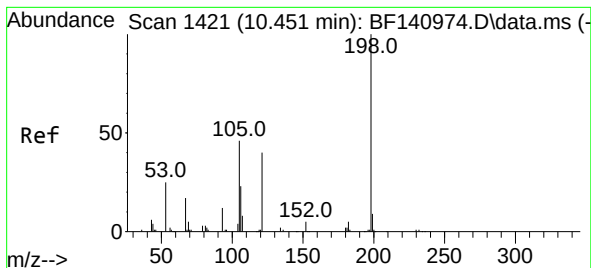
Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.6

80 11.2 9.8 14.6

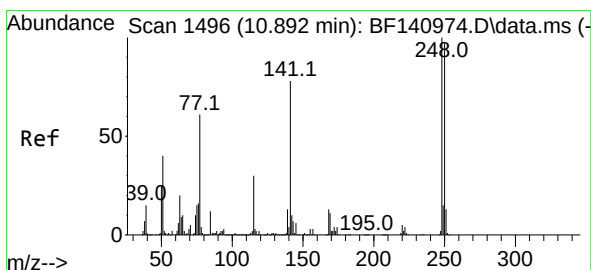
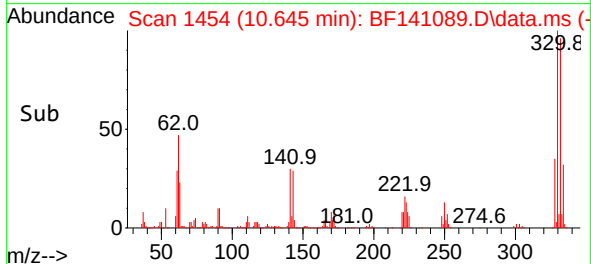
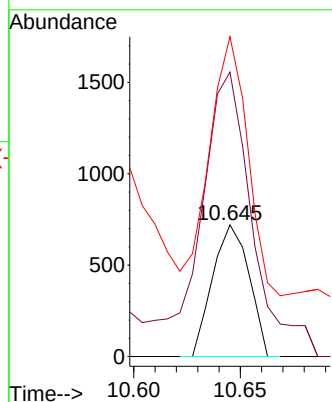
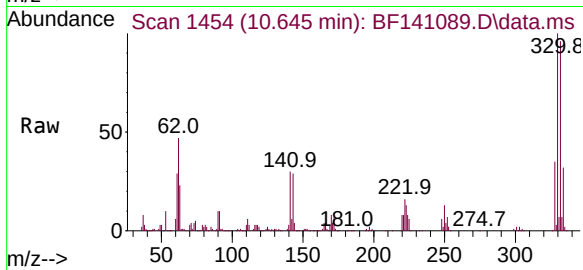




#65
4,6-Dinitro-2-methylphenol
Concen: 9.598 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

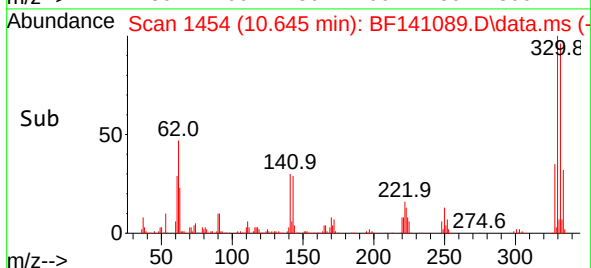
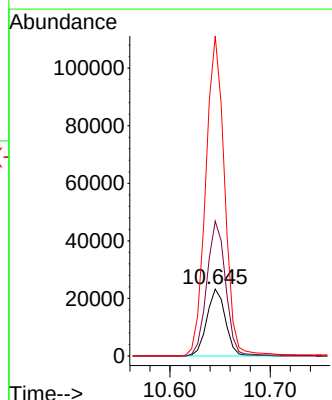
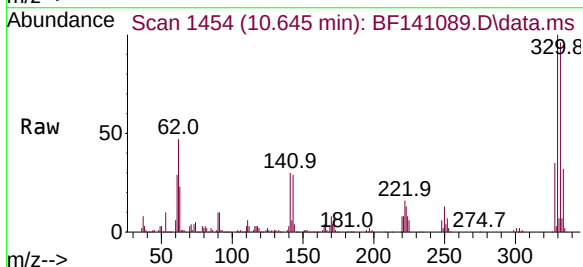
Instrument :
BNA_F
ClientSampleId :
SF-6-B

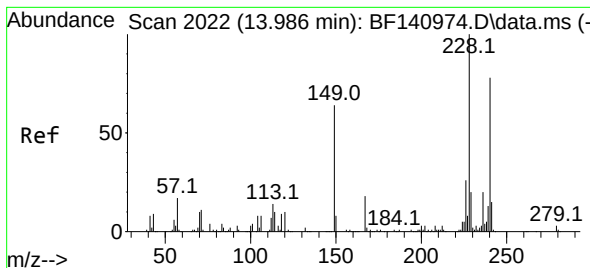
Tgt Ion:198 Resp: 859
Ion Ratio Lower Upper
198 100
51 216.0 32.3 72.3#
105 242.7 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 4.063 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141089.D
Acq: 08 Jan 2025 17:38

Tgt Ion:248 Resp: 29953
Ion Ratio Lower Upper
248 100
250 201.4 77.7 116.5#
141 478.0 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: BF141089.D

Acq: 08 Jan 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SF-6-B

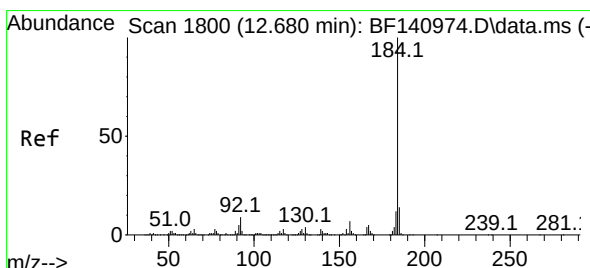
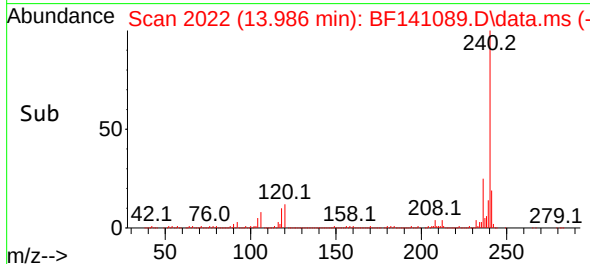
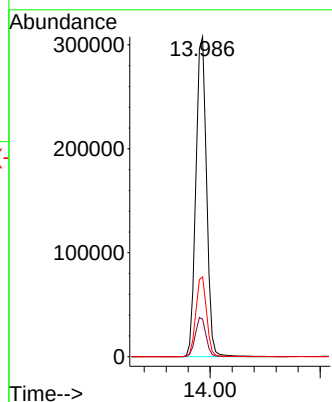
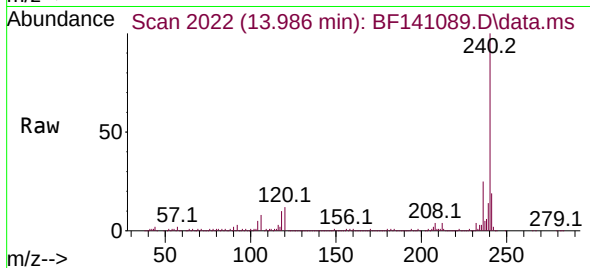
Tgt Ion:240 Resp: 414793

Ion Ratio Lower Upper

240 100

120 11.8 10.7 16.1

236 25.0 20.6 31.0



#77

Benzidine

Concen: 3.880 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.253 min

Lab File: BF141089.D

Acq: 08 Jan 2025 17:38

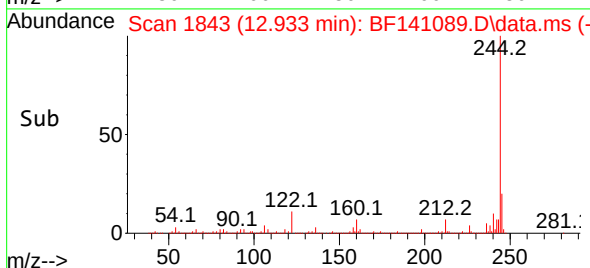
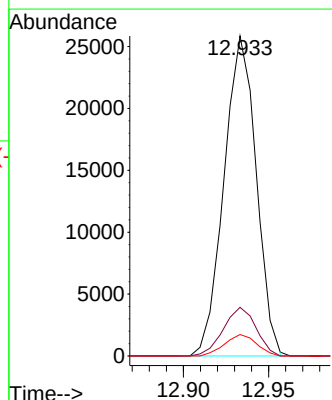
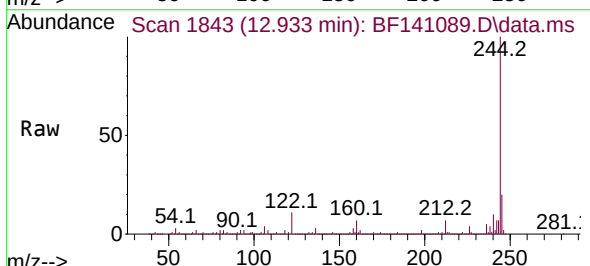
Tgt Ion:184 Resp: 34012

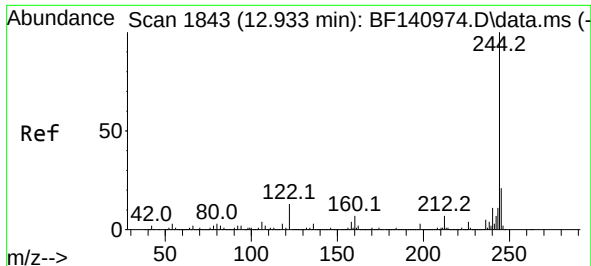
Ion Ratio Lower Upper

184 100

185 15.2 11.4 17.2

183 6.7 9.4 14.0#

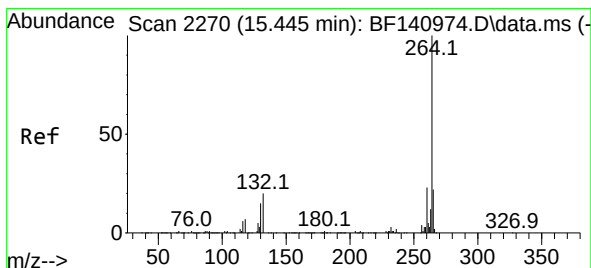
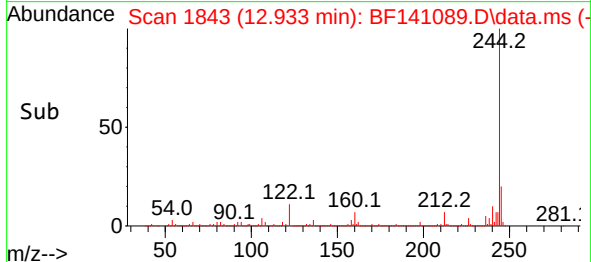
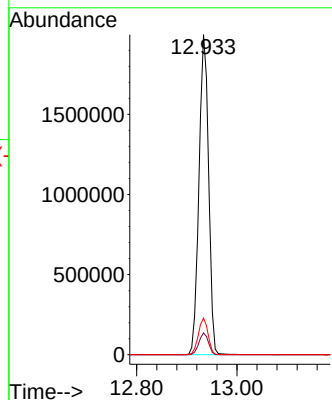
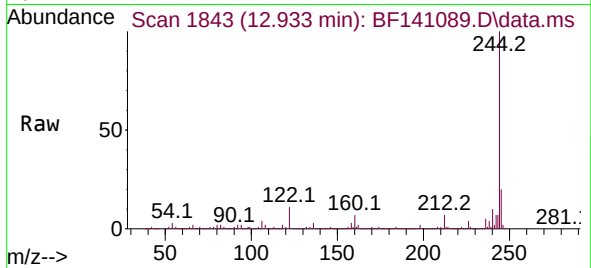




#79
 Terphenyl-d14
 Concen: 106.111 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141089.D
 Acq: 08 Jan 2025 17:38

Instrument :
 BNA_F
 ClientSampleId :
 SF-6-B

Tgt Ion:244 Resp: 2649856
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 11.5 10.2 15.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF141089.D
 Acq: 08 Jan 2025 17:38

Tgt Ion:264 Resp: 434001
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.7 28.1
 265 21.9 17.4 26.2

