

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141026.D
 Acq On : 30 Dec 2024 12:30
 Operator : RC/JU
 Sample : PB165875BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165875BL

Quant Time: Dec 30 12:57:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

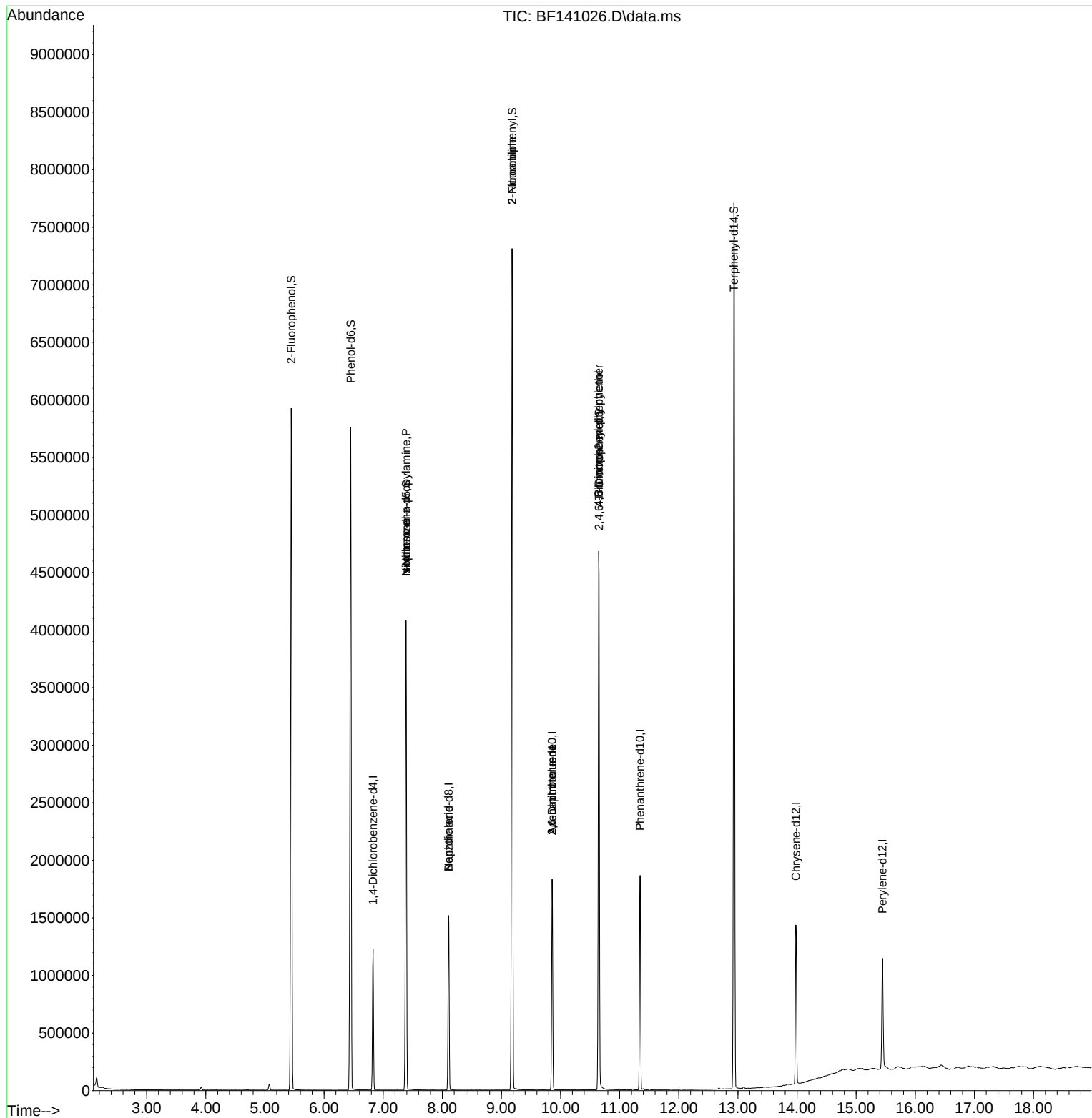
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	246101	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1001275	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	538150	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	917789	20.000	ng	0.00
76) Chrysene-d12	13.980	240	648553	20.000	ng	0.00
86) Perylene-d12	15.445	264	554058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2410895	147.668	ng	0.01
7) Phenol-d6	6.451	99	3059758	145.481	ng	0.00
23) Nitrobenzene-d5	7.387	82	1925780	123.050	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	889377	170.078	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3399634	100.649	ng	0.00
79) Terphenyl-d14	12.933	244	3881514	99.409	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	4703	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.387	70	261650	20.307	ng	# 79
25) Isophorone	7.387	82	1916203	56.266	ng	# 65
32) Benzoic acid	8.104	122	135	7.704	ng	# 1
48) 2-Nitroaniline	9.181	65	6097	5.303	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	69350	12.530	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	69350	11.614	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1812	9.742	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	55088	5.552	ng	# 1

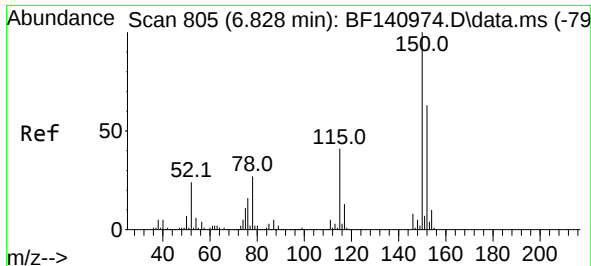
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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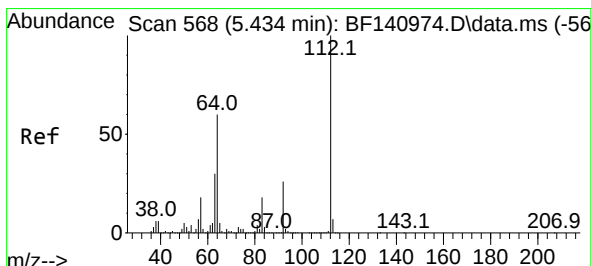
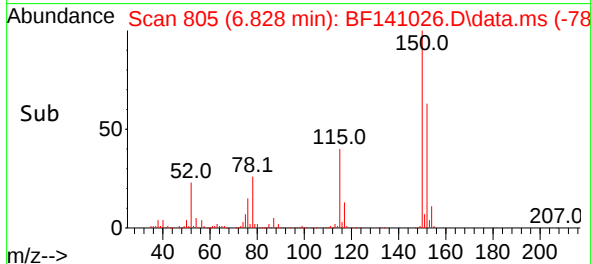
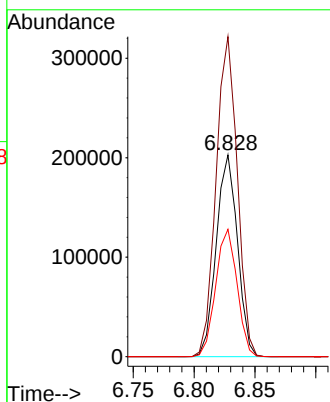
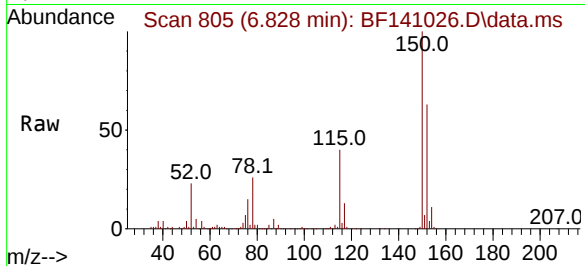




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

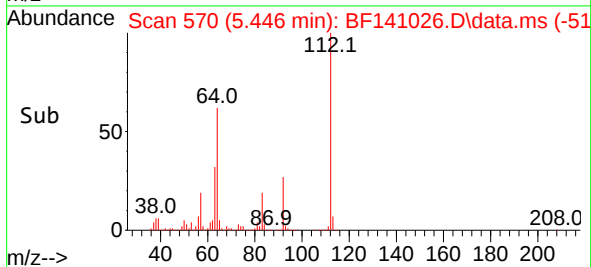
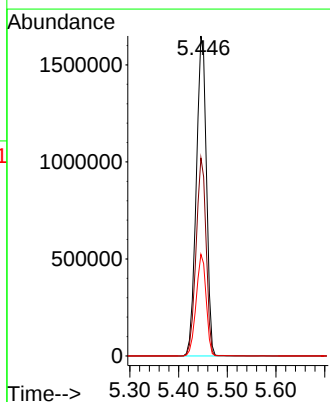
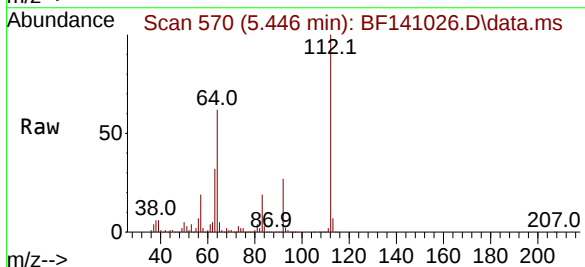
Instrument :
BNA_F
ClientSampleId :
PB165875BL

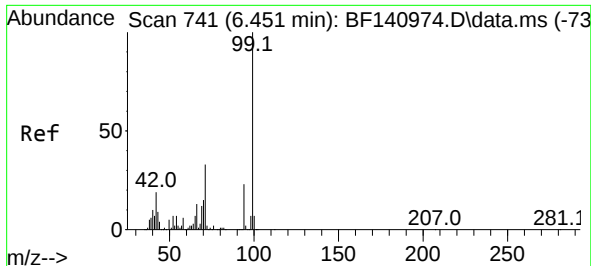
Tgt Ion:152 Resp: 246101
Ion Ratio Lower Upper
152 100
150 158.6 127.0 190.6
115 63.2 51.7 77.5



#5
2-Fluorophenol
Concen: 147.668 ng
RT: 5.446 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion:112 Resp: 2410895
Ion Ratio Lower Upper
112 100
64 61.9 47.7 71.5
63 31.8 24.2 36.2



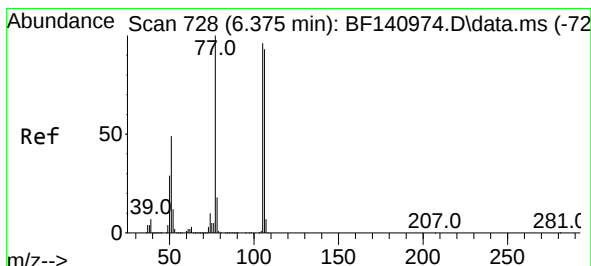
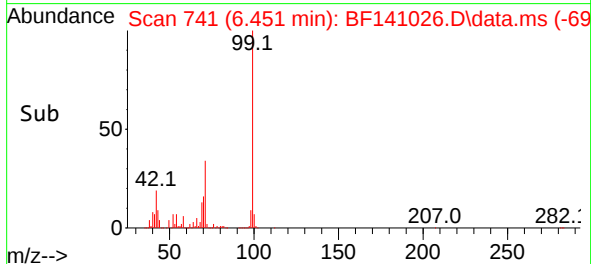
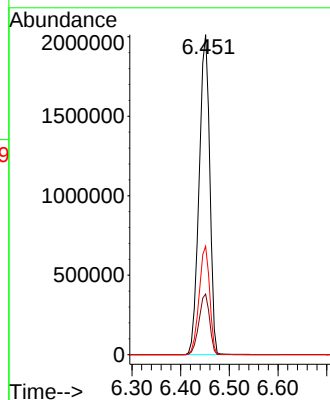
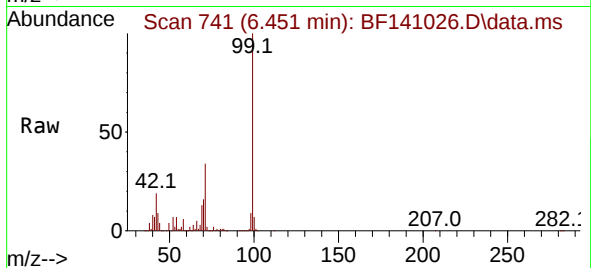


#7
Phenol-d6
Concen: 145.481 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Instrument :
BNA_F
ClientSampleId :
PB165875BL

Tgt Ion: 99 Resp: 3059758

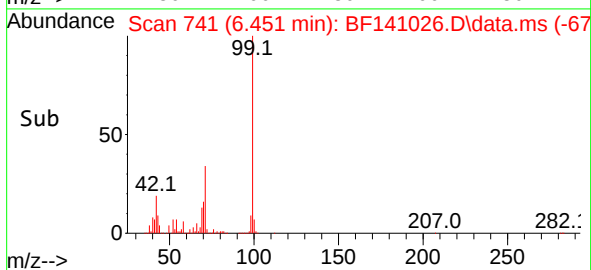
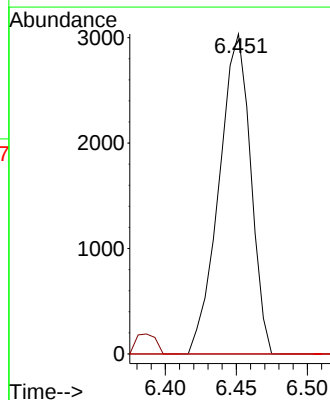
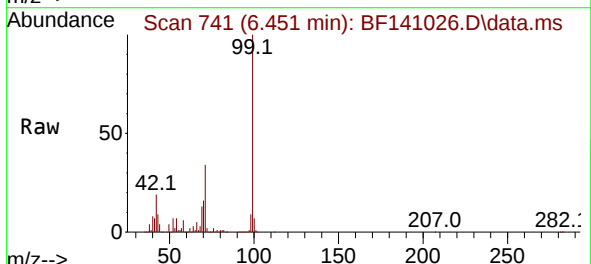
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.9	26.2	39.2

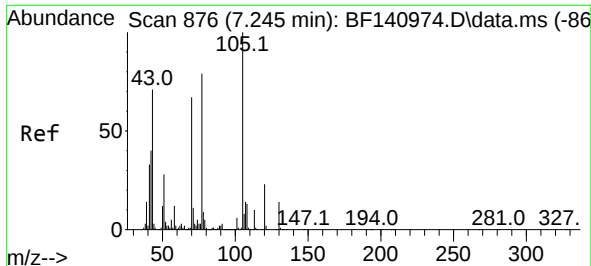


#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 741
Delta R.T. 0.076 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion: 77 Resp: 4703

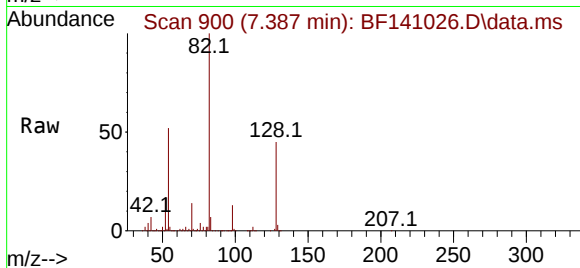
Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.2	116.2#
106	0.0	73.4	113.4#



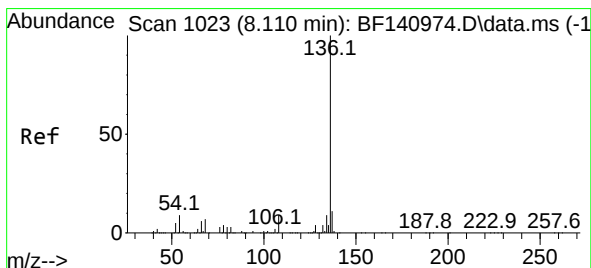
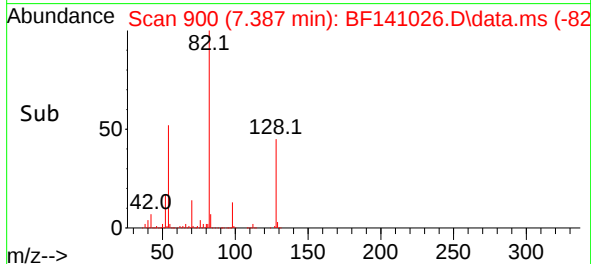
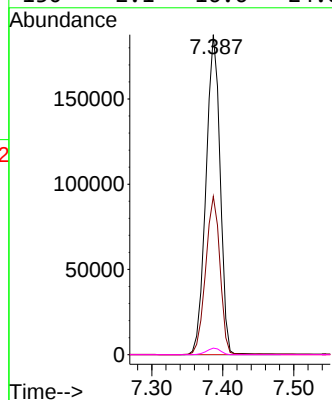


#19
n-Nitroso-di-n-propylamine
Concen: 20.307 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Instrument :
BNA_F
ClientSampleId :
PB165875BL

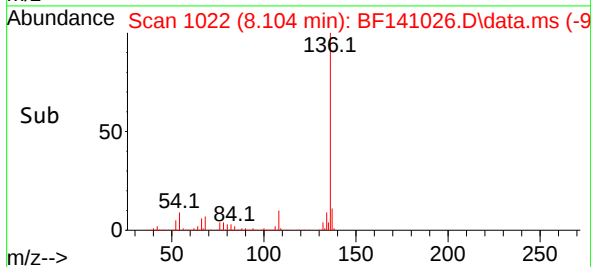
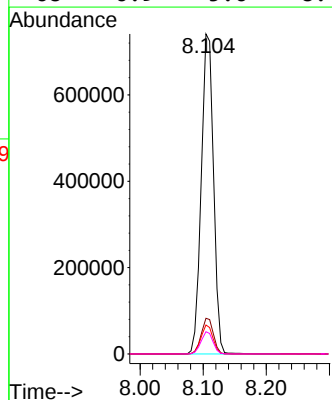
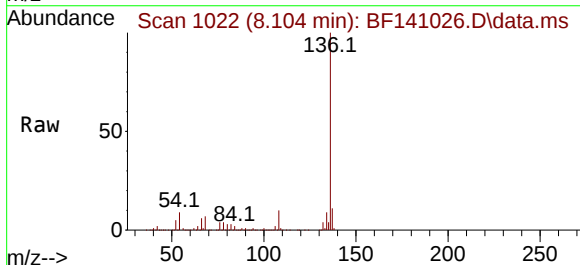


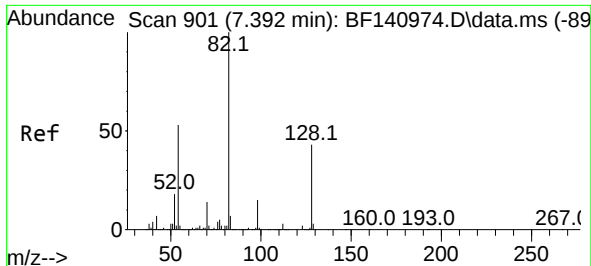
Tgt Ion: 70 Resp: 261650
Ion Ratio Lower Upper
70 100
42 49.4 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion: 136 Resp: 1001275
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 9.0 7.6 11.4
68 6.9 5.6 8.4

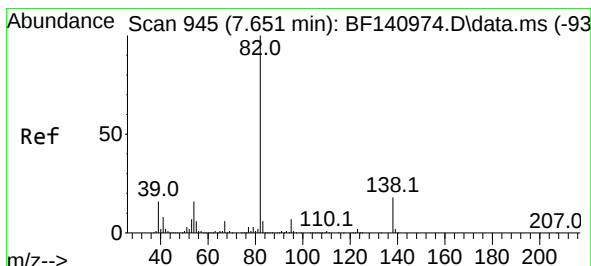
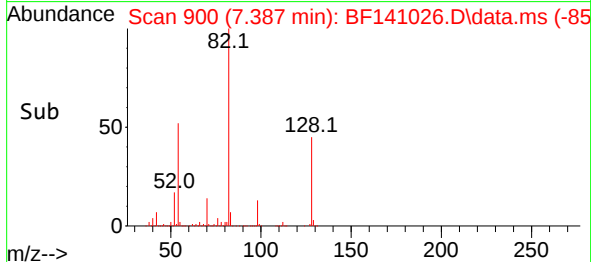
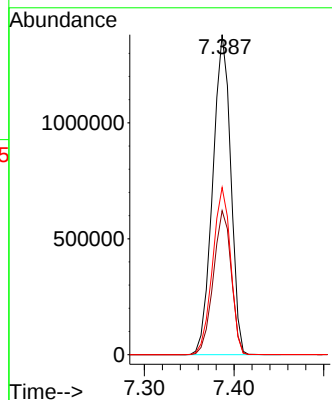
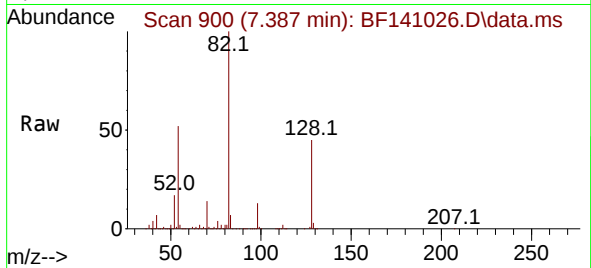




#23
Nitrobenzene-d5
Concen: 123.050 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

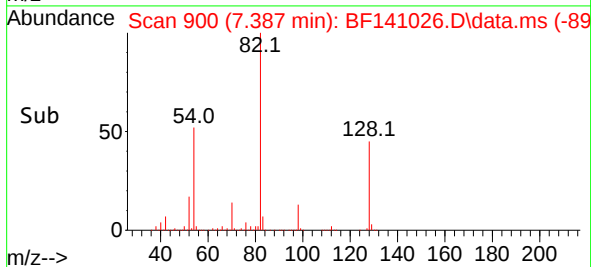
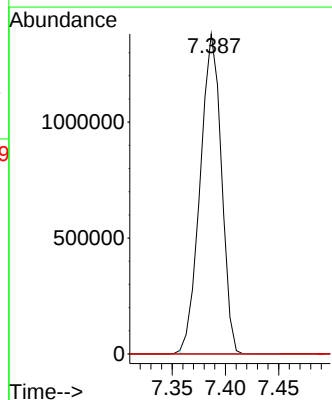
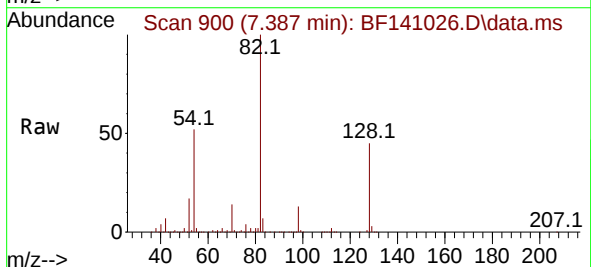
Instrument :
BNA_F
ClientSampleId :
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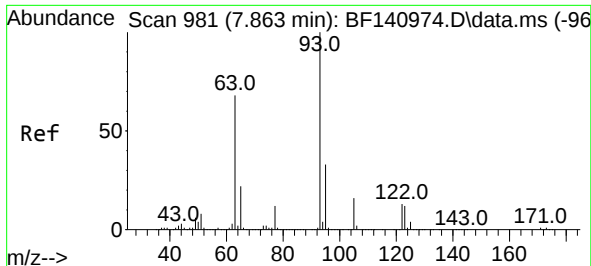
Tgt Ion: 82 Resp: 1925780
Ion Ratio Lower Upper
82 100
128 45.0 34.4 51.6
54 52.3 42.4 63.6



#25
Isophorone
Concen: 56.266 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion: 82 Resp: 1916203
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

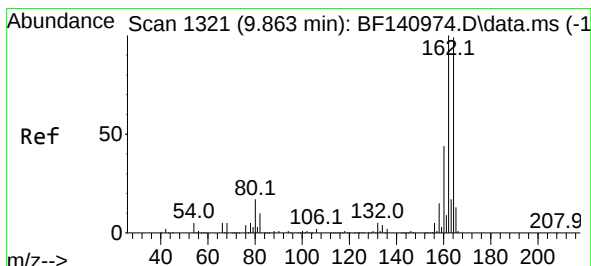
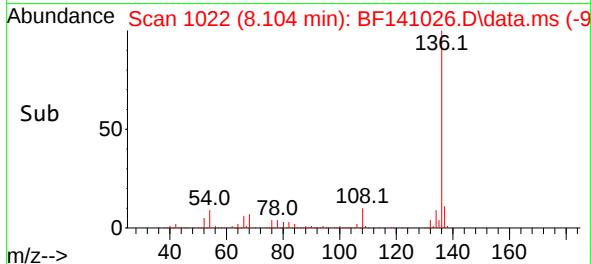
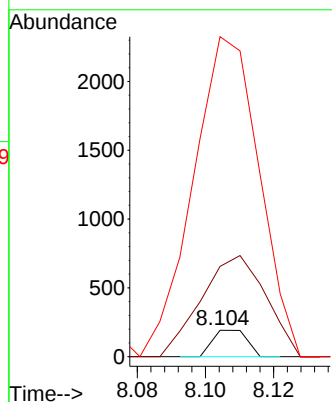
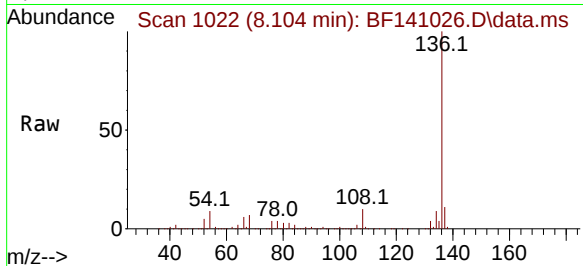




#32
Benzoic acid
Concen: 7.704 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.241 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

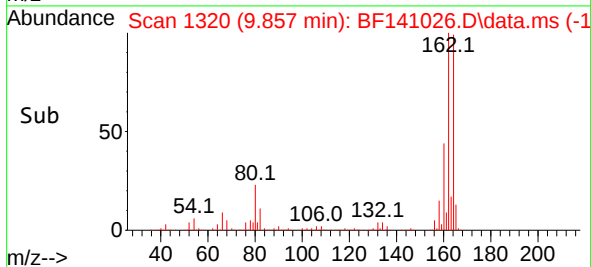
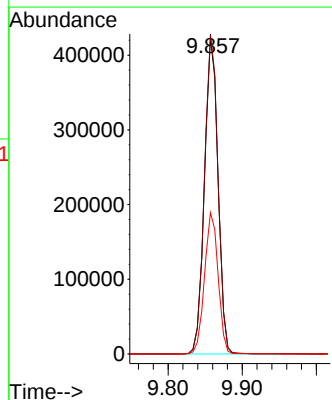
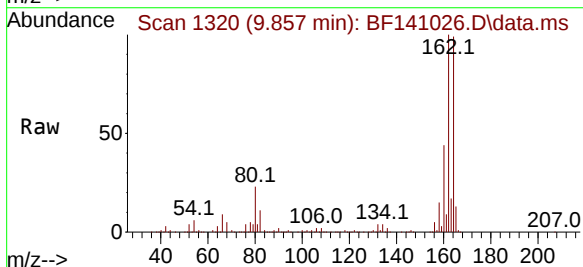
Instrument :
BNA_F
ClientSampleId :
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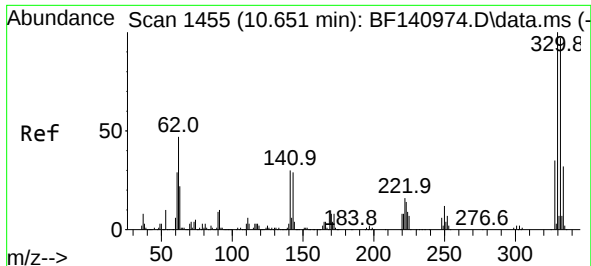
Tgt Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 341.1 105.4 145.4#
77 1210.9 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion:164 Resp: 538150
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 44.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 170.078 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF141026.D

Acq: 30 Dec 2024 12:30

Instrument :

BNA_F

ClientSampleId :

PB165875BL

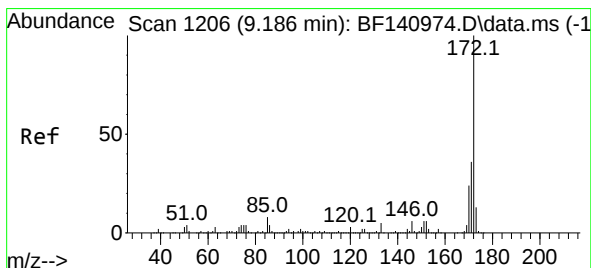
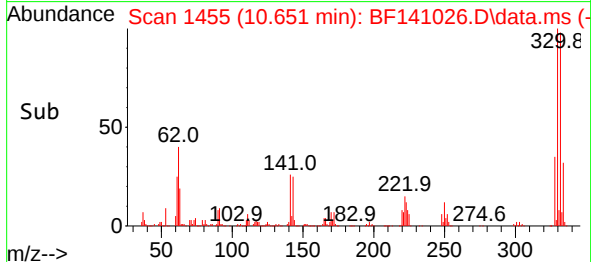
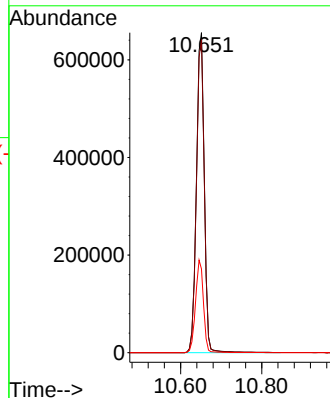
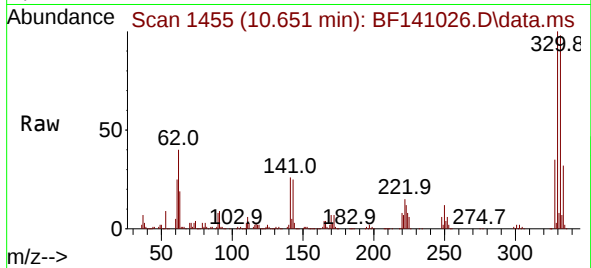
Tgt Ion:330 Resp: 889377

Ion Ratio Lower Upper

330 100

332 98.0 78.0 117.0

141 29.3 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 100.649 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141026.D

Acq: 30 Dec 2024 12:30

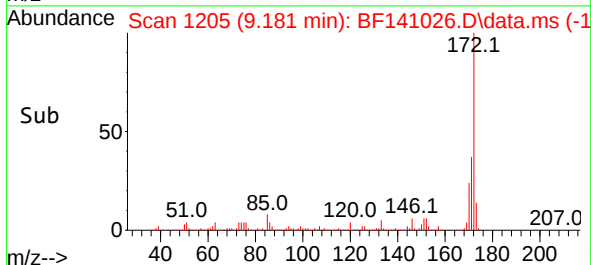
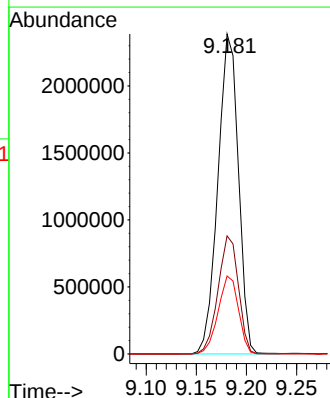
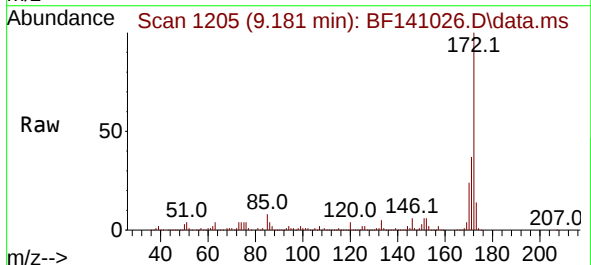
Tgt Ion:172 Resp: 3399634

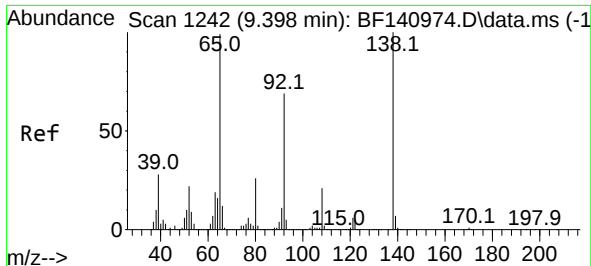
Ion Ratio Lower Upper

172 100

171 36.9 29.0 43.4

170 24.3 19.6 29.4





#48

2-Nitroaniline

Concen: 5.303 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141026.D

Acq: 30 Dec 2024 12:30

Instrument :

BNA_F

ClientSampleId :

PB165875BL

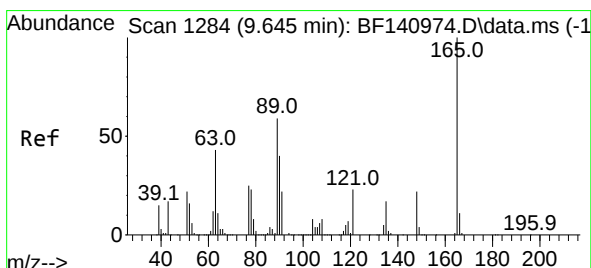
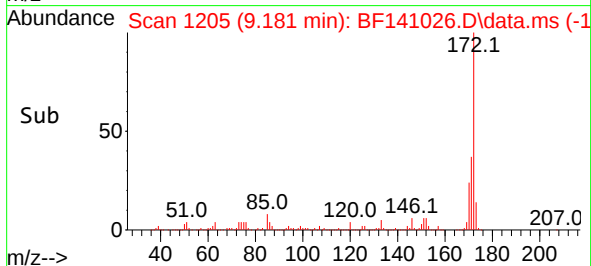
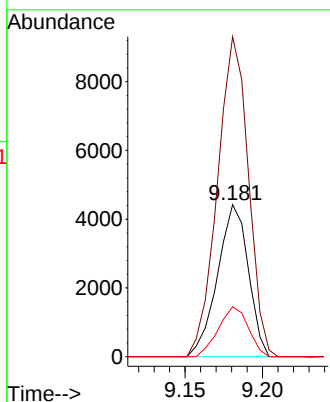
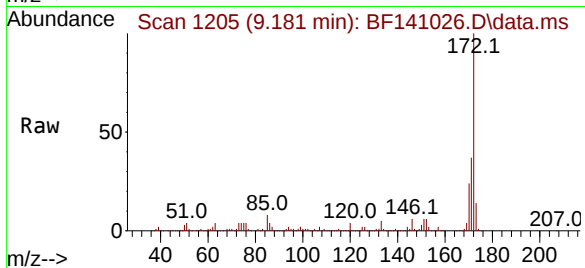
Tgt Ion: 65 Resp: 6097

Ion Ratio Lower Upper

65 100

92 210.5 55.6 83.4#

138 32.9 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.530 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141026.D

Acq: 30 Dec 2024 12:30

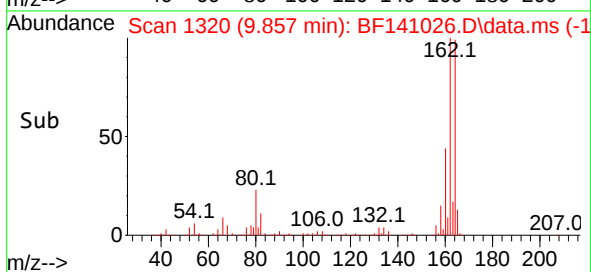
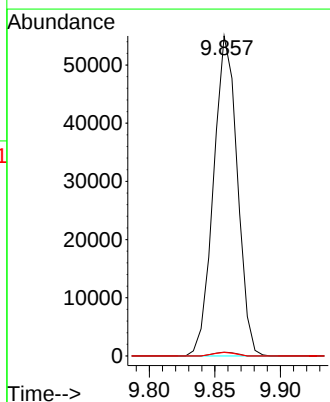
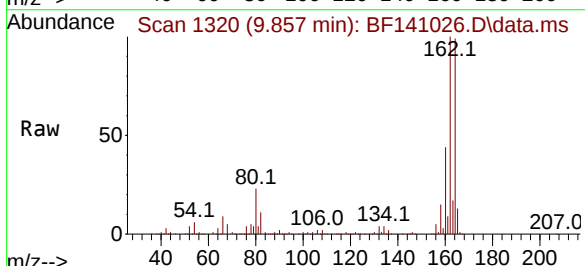
Tgt Ion:165 Resp: 69350

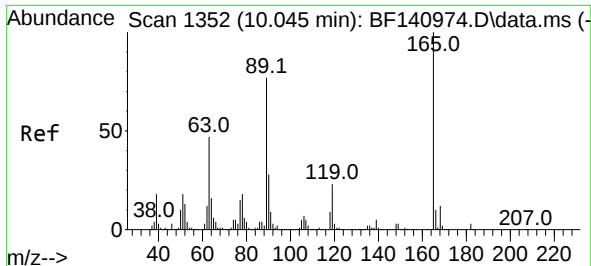
Ion Ratio Lower Upper

165 100

63 1.2 47.1 70.7#

89 1.1 47.0 70.4#

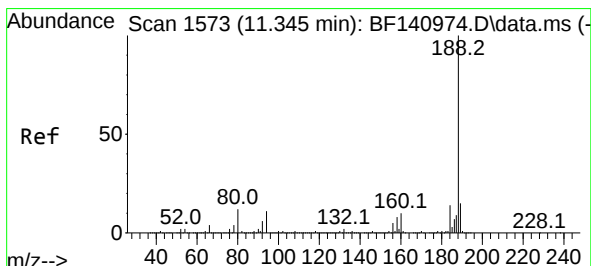
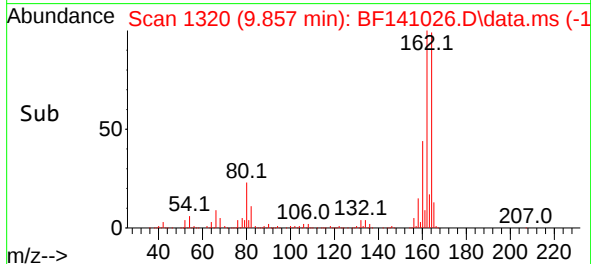
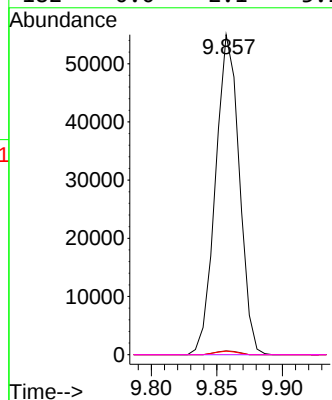
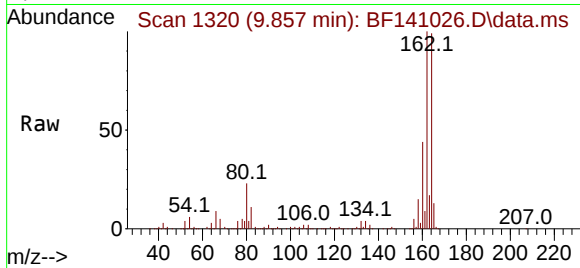




#57
2,4-Dinitrotoluene
Concen: 11.614 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

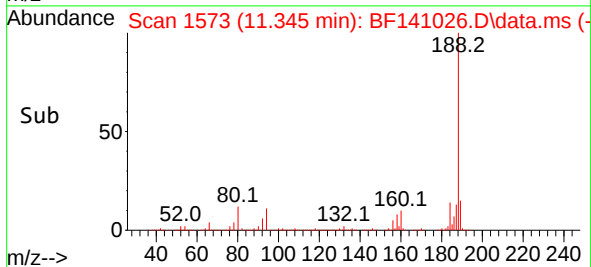
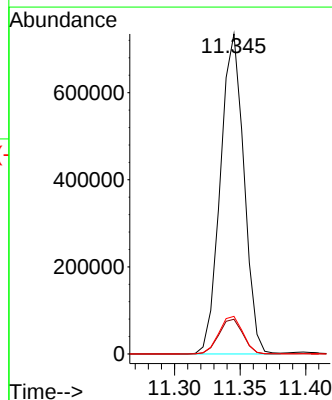
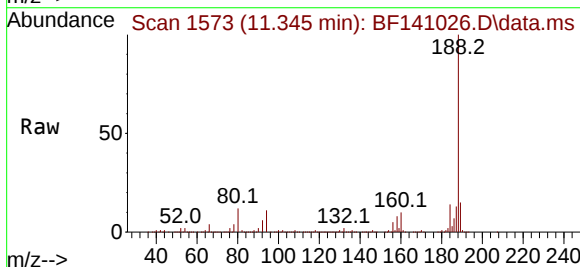
Instrument :
BNA_F
ClientSampleId :
PB165875BL

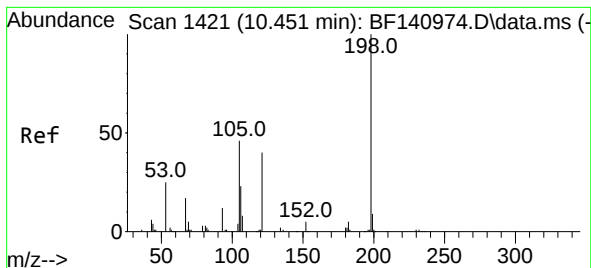
Tgt Ion:165 Resp: 69350
Ion Ratio Lower Upper
165 100
63 1.2 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion:188 Resp: 917789
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 11.7 9.8 14.6

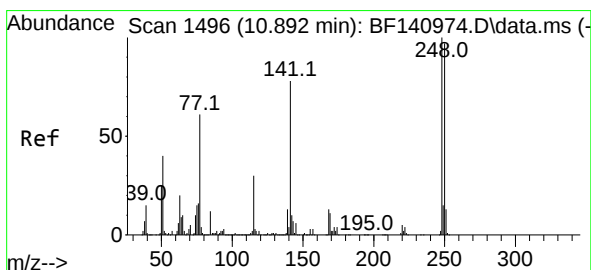
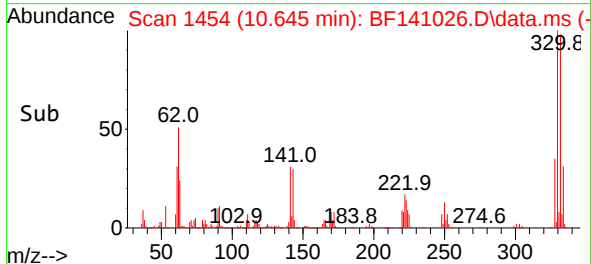
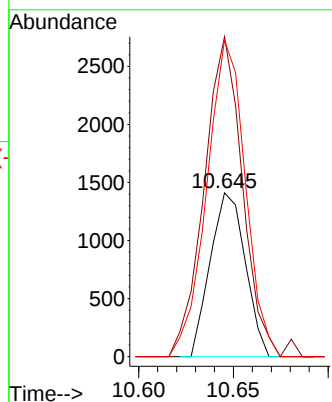
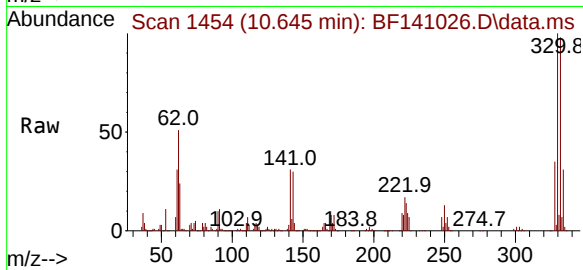




#65
4,6-Dinitro-2-methylphenol
Concen: 9.742 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

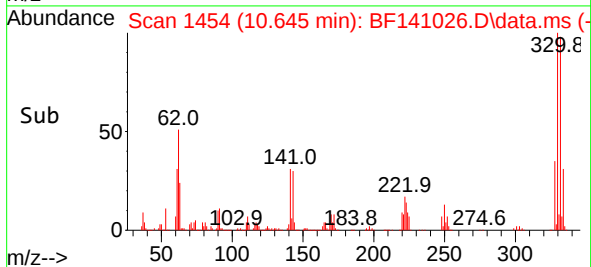
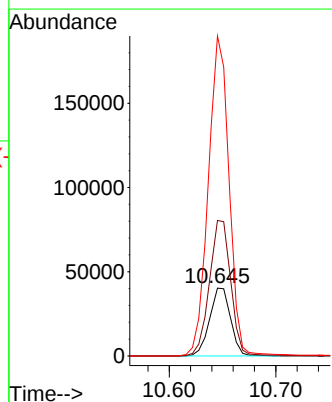
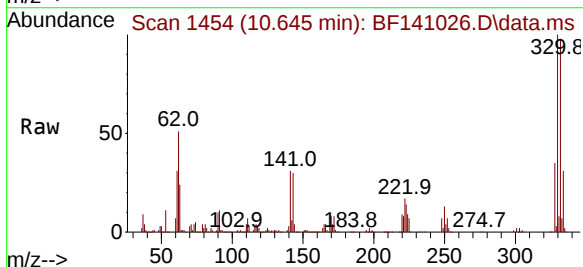
Instrument :
BNA_F
ClientSampleId :
PB165875BL

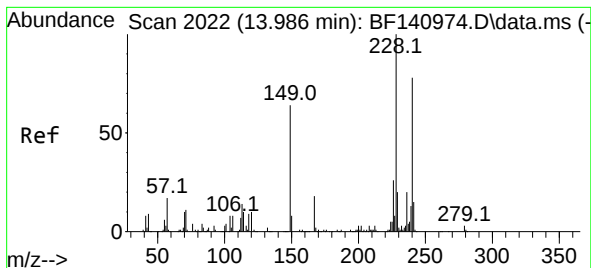
Tgt Ion:198 Resp: 1812
Ion Ratio Lower Upper
198 100
51 195.3 32.3 72.3#
105 193.2 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.552 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141026.D
Acq: 30 Dec 2024 12:30

Tgt Ion:248 Resp: 55088
Ion Ratio Lower Upper
248 100
250 199.9 77.7 116.5#
141 472.1 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: BF141026.D

Acq: 30 Dec 2024 12:30

Instrument :

BNA_F

ClientSampleId :

PB165875BL

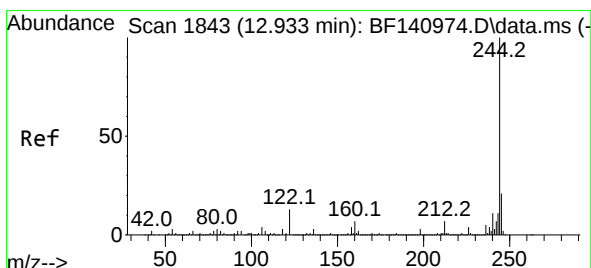
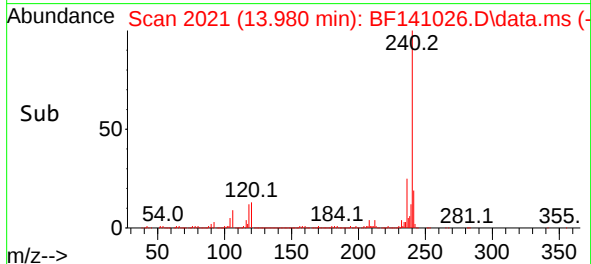
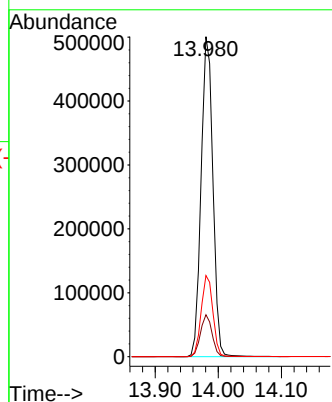
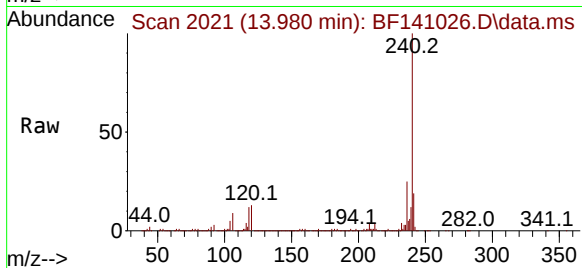
Tgt Ion:240 Resp: 648553

Ion Ratio Lower Upper

240 100

120 13.1 10.7 16.1

236 25.4 20.6 31.0



#79

Terphenyl-d14

Concen: 99.409 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141026.D

Acq: 30 Dec 2024 12:30

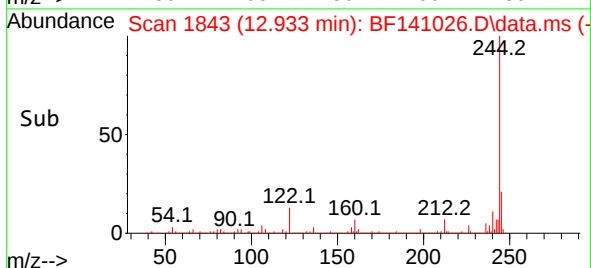
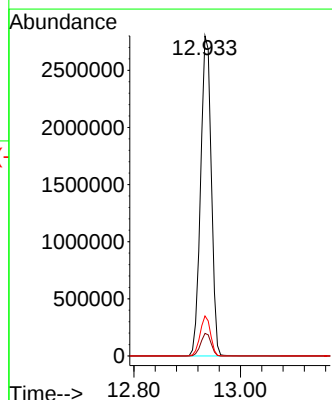
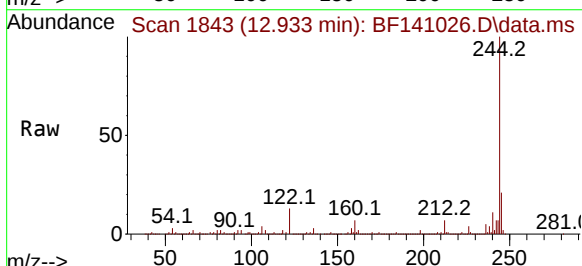
Tgt Ion:244 Resp: 3881514

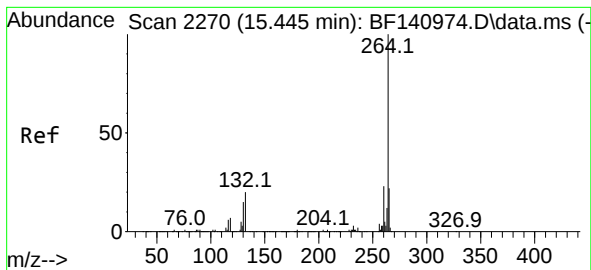
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 12.5 10.2 15.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF141026.D
 Acq: 30 Dec 2024 12:30

Instrument :
 BNA_F
 ClientSampleId :
 PB165875BL

Tgt Ion:264 Resp: 554058
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.8 17.4 26.2

