

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141032.D
 Acq On : 30 Dec 2024 15:47
 Operator : RC/JU
 Sample : PB165900BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165900BL

Quant Time: Dec 30 16:23:55 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)

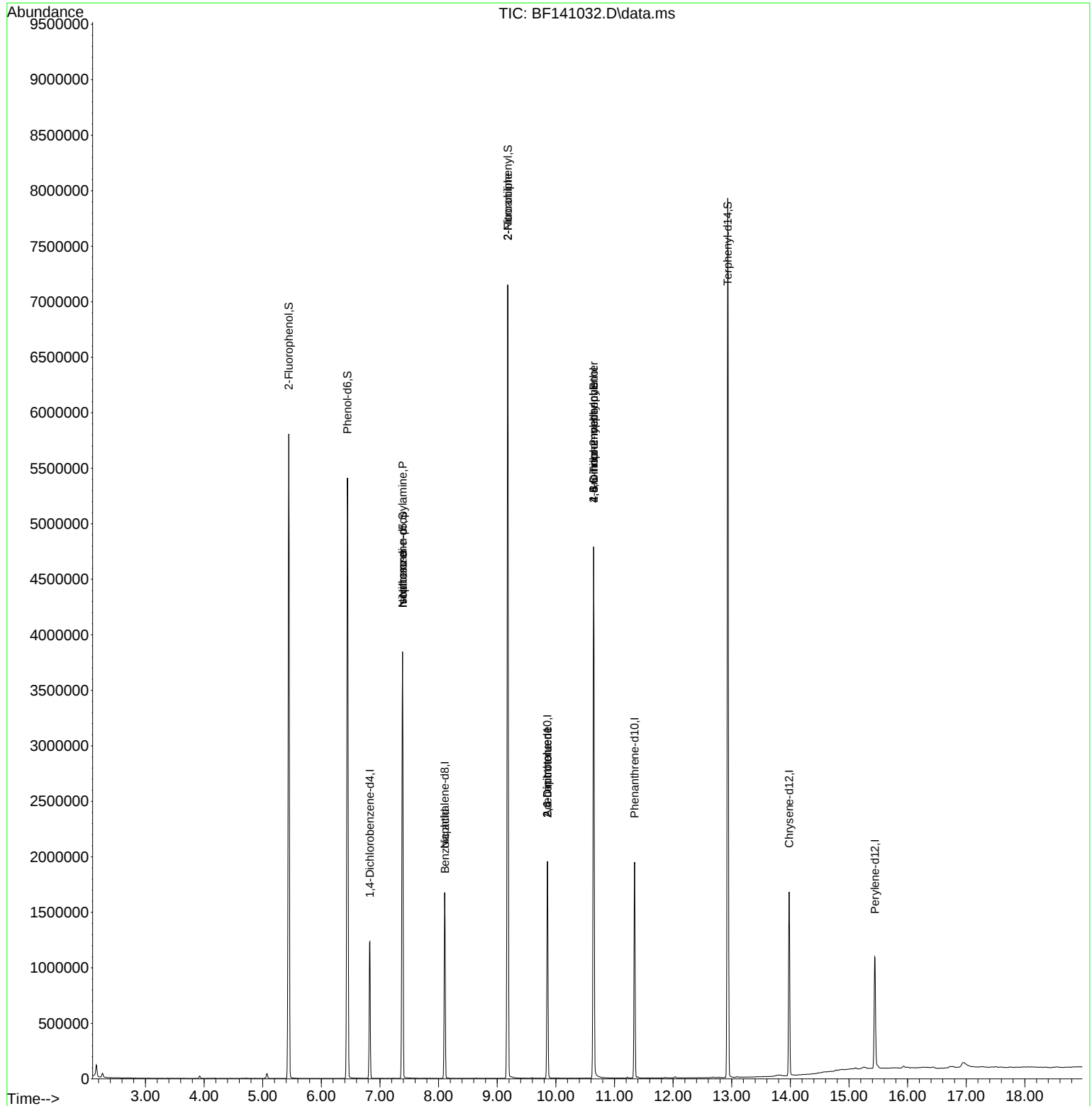
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	267196	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1068855	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	582448	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	998523	20.000	ng	0.00
76) Chrysene-d12	13.980	240	774271	20.000	ng	0.00
86) Perylene-d12	15.445	264	614257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	2330403	131.469	ng	0.01
7) Phenol-d6	6.445	99	2887867	126.468	ng	0.00
23) Nitrobenzene-d5	7.387	82	1858981	111.272	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	899240	158.885	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3302789	90.345	ng	0.00
79) Terphenyl-d14	12.933	244	3982943	85.444	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.375	77	406	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.387	70	248961	17.797	ng	# 78
25) Isophorone	7.387	82	1844623	50.740	ng	# 65
32) Benzoic acid	8.110	122	119	7.702	ng	# 1
48) 2-Nitroaniline	9.181	65	5761	5.219	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	76543	12.705	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	76543	11.755	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1647	9.677	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	56048	5.192	ng	# 1

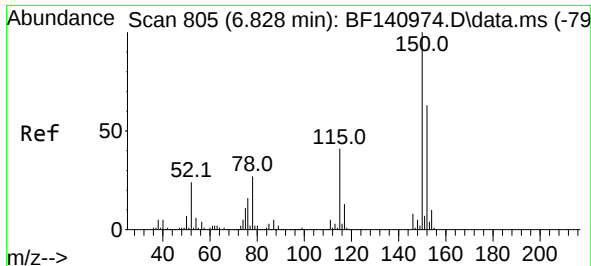
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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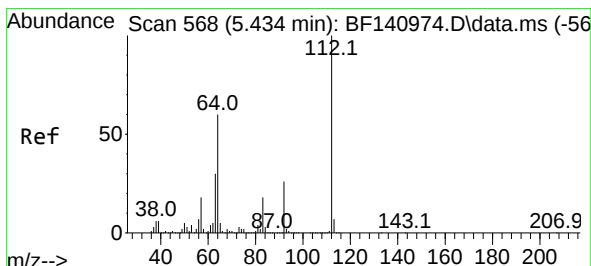
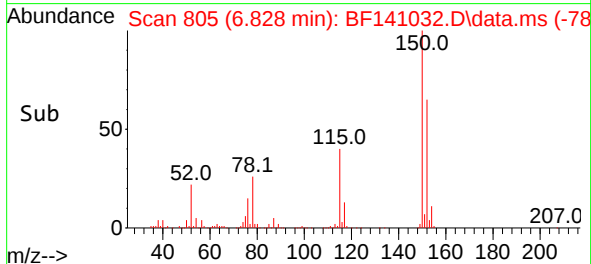
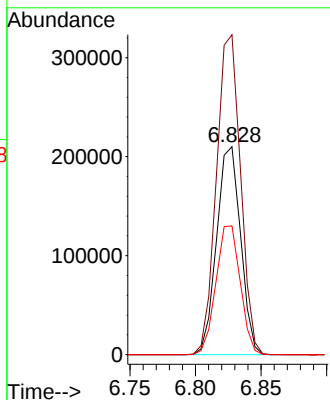
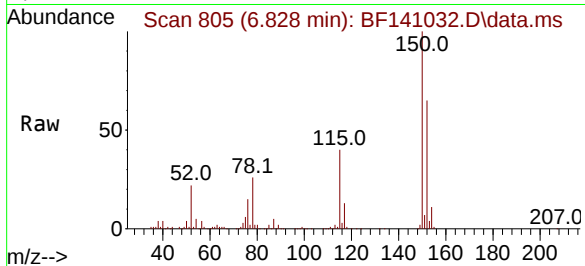




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

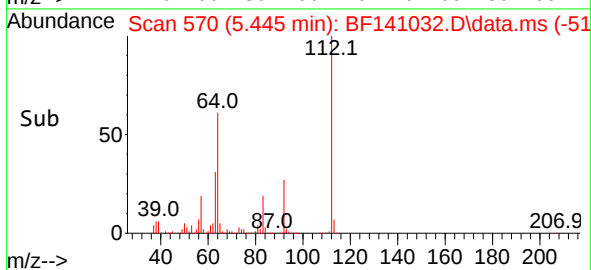
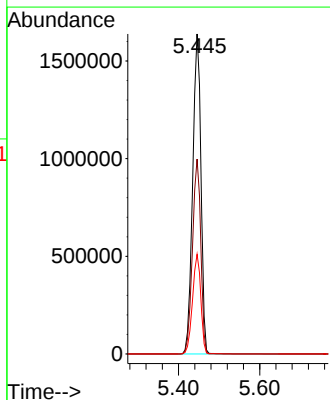
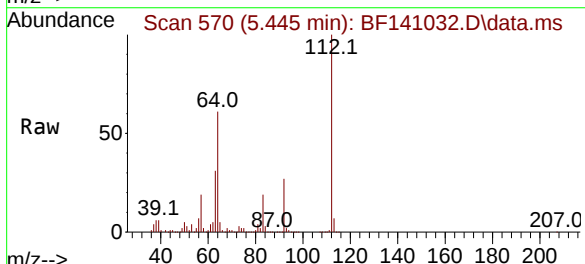
Instrument :
BNA_F
ClientSampleId :
PB165900BL

Tgt Ion:152 Resp: 267196
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 61.9 51.7 77.5



#5
2-Fluorophenol
Concen: 131.469 ng
RT: 5.445 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion:112 Resp: 2330403
Ion Ratio Lower Upper
112 100
64 60.9 47.7 71.5
63 31.1 24.2 36.2

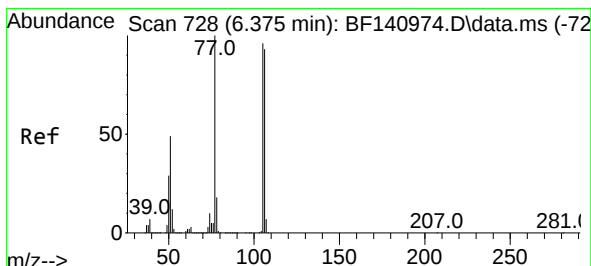
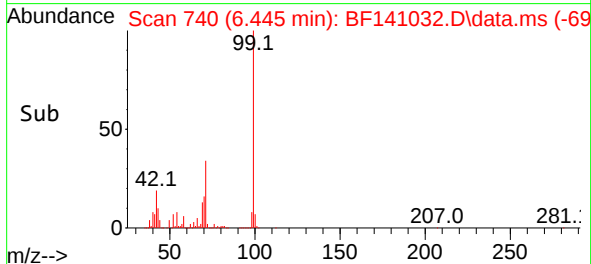
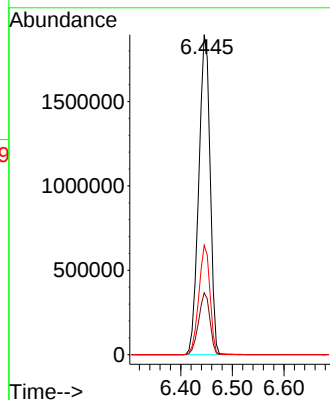
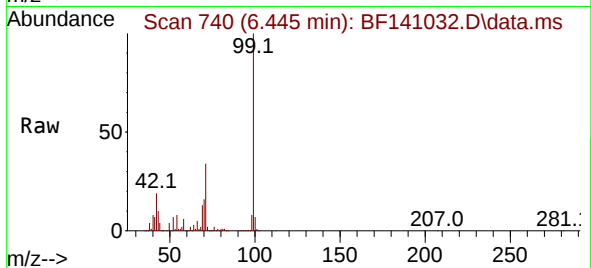




#7
Phenol-d6
Concen: 126.468 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

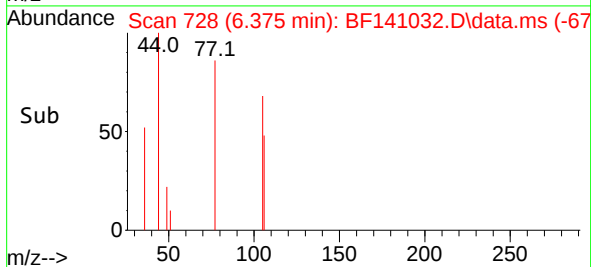
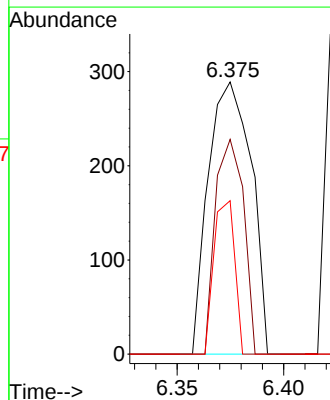
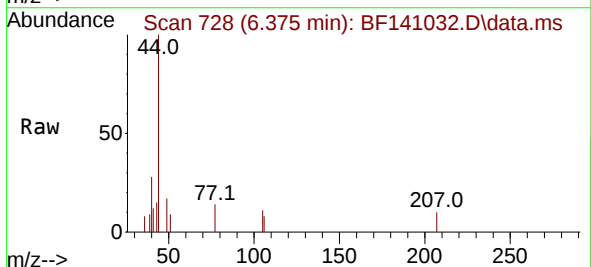
Instrument :
BNA_F
ClientSampleId :
PB165900BL

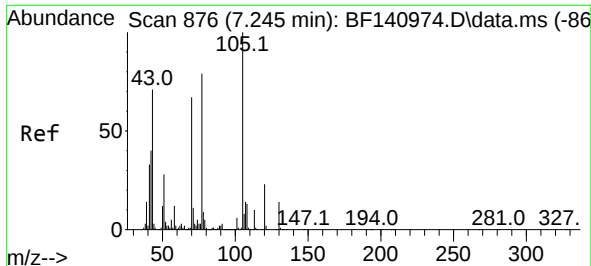
Tgt Ion: 99 Resp: 2887867
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 34.2 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion: 77 Resp: 406
Ion Ratio Lower Upper
77 100
105 78.9 76.2 116.2
106 56.4 73.4 113.4#





#19

n-Nitroso-di-n-propylamine

Concen: 17.797 ng

RT: 7.387 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF141032.D

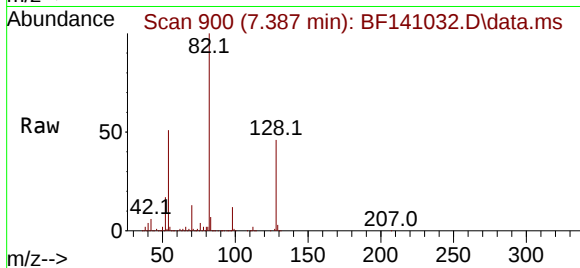
Acq: 30 Dec 2024 15:47

Instrument :

BNA_F

ClientSampleId :

PB165900BL



Tgt Ion: 70 Resp: 248961

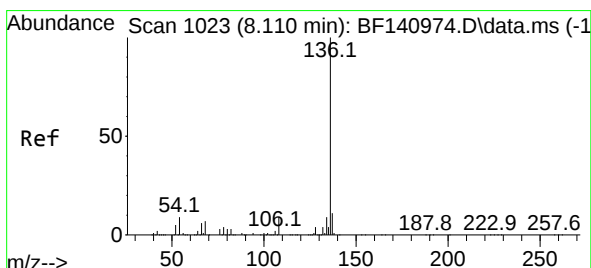
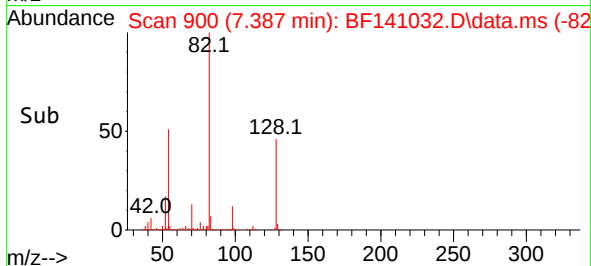
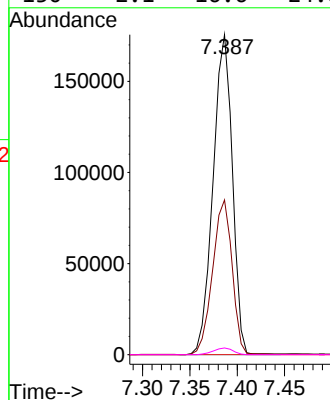
Ion Ratio Lower Upper

70 100

42 48.3 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: BF141032.D

Acq: 30 Dec 2024 15:47

Tgt Ion: 136 Resp: 1068855

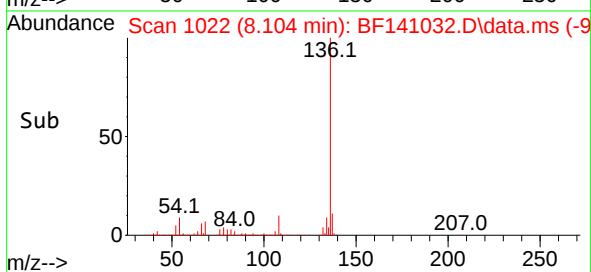
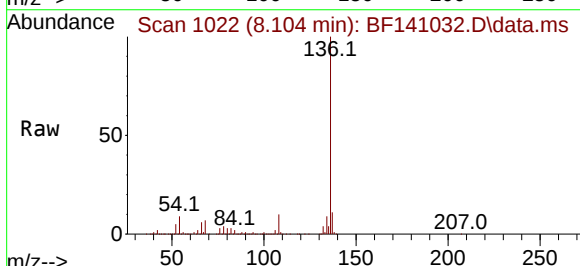
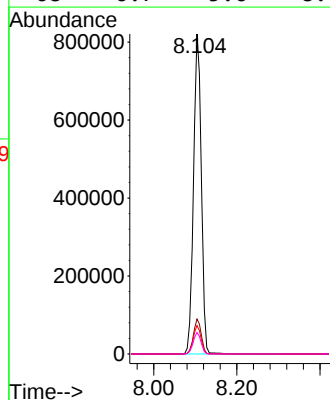
Ion Ratio Lower Upper

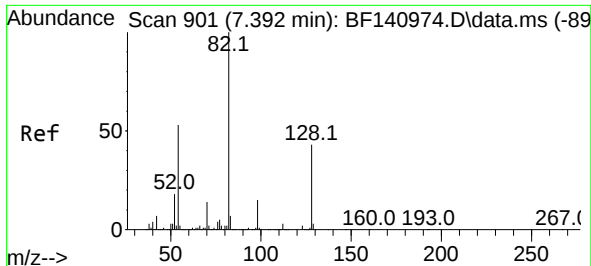
136 100

137 10.9 9.0 13.4

54 8.9 7.6 11.4

68 6.7 5.6 8.4

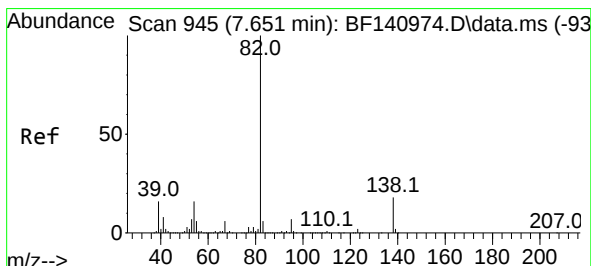
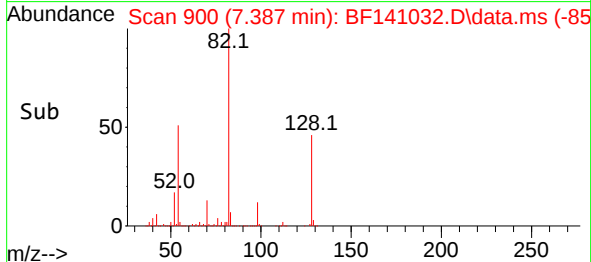
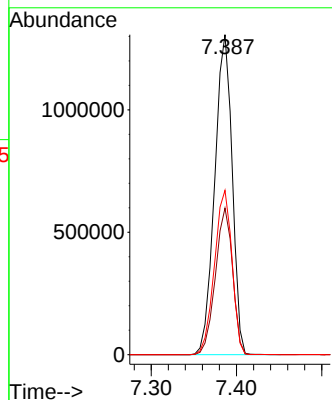
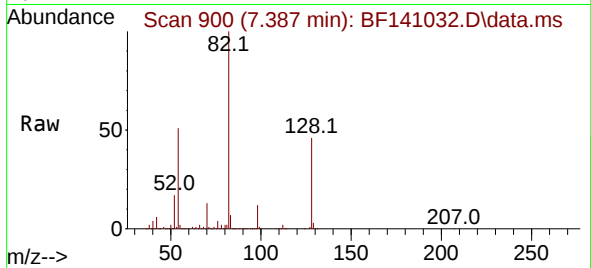




#23
Nitrobenzene-d5
Concen: 111.272 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

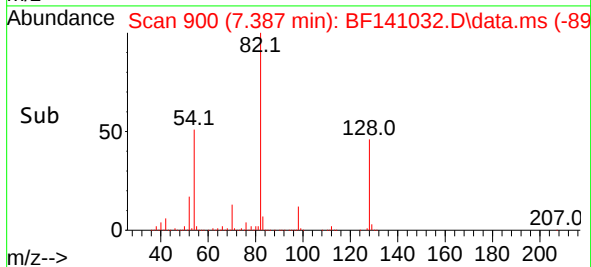
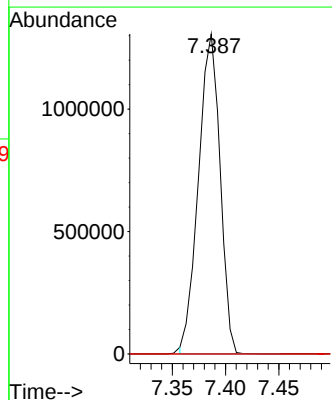
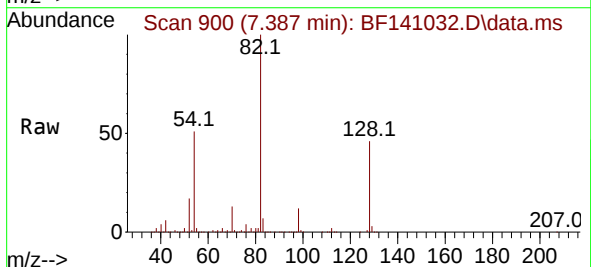
Instrument :
BNA_F
ClientSampleId :
PB165900BL

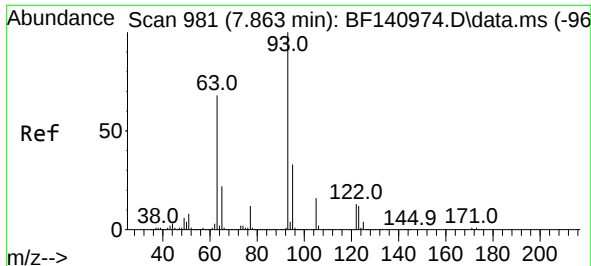
Tgt Ion: 82 Resp: 1858981
Ion Ratio Lower Upper
82 100
128 45.8 34.4 51.6
54 51.3 42.4 63.6



#25
Isophorone
Concen: 50.740 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion: 82 Resp: 1844623
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

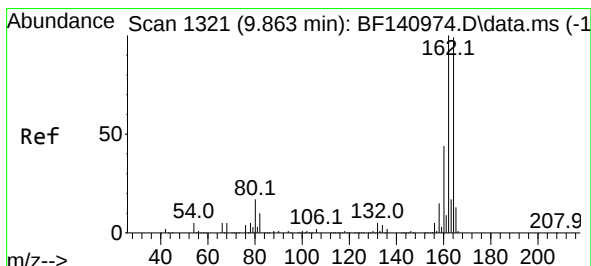
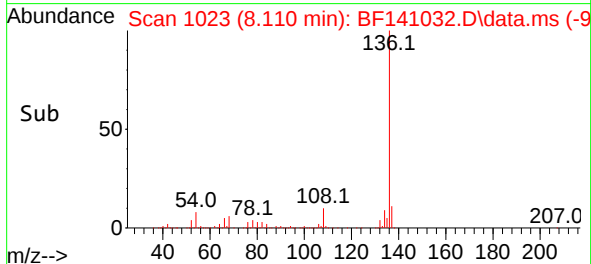
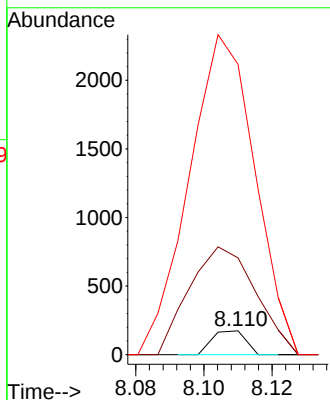
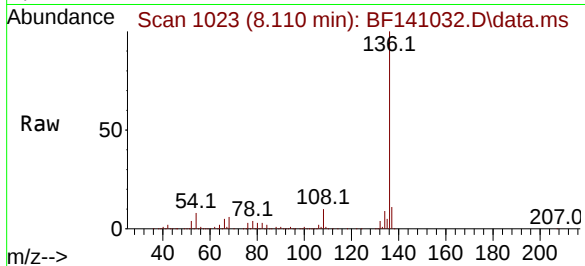




#32
Benzoic acid
Concen: 7.702 ng
RT: 8.110 min Scan# 10
Delta R.T. 0.247 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

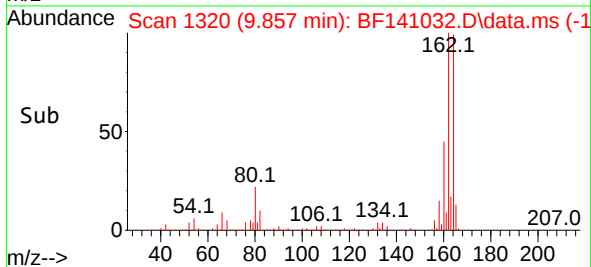
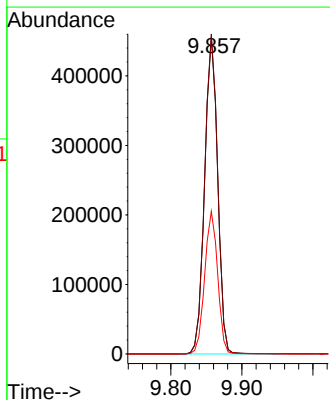
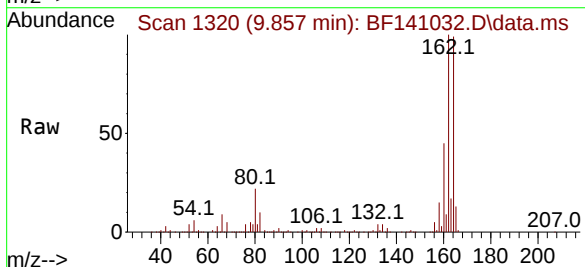
Instrument :
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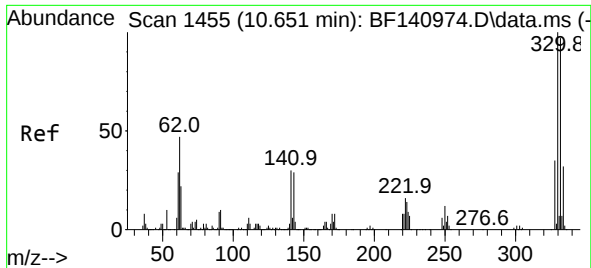
Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 405.7 105.4 145.4#
77 1216.7 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion:164 Resp: 582448
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 158.885 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

Instrument :

BNA_F

ClientSampleId :

PB165900BL

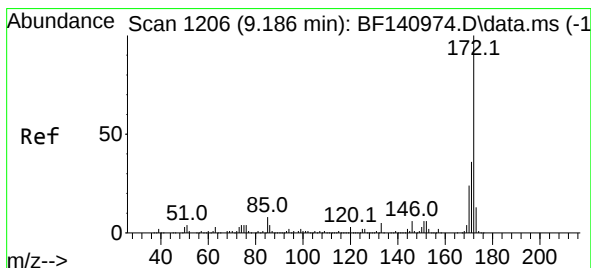
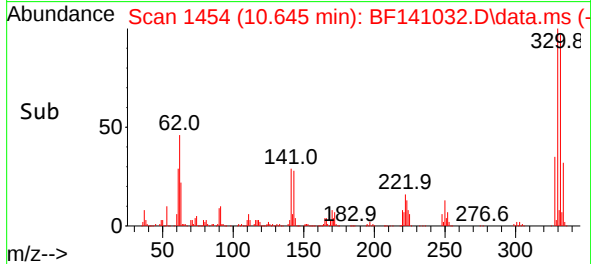
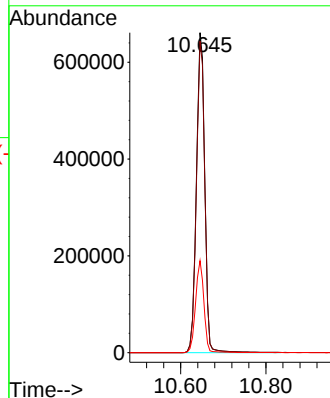
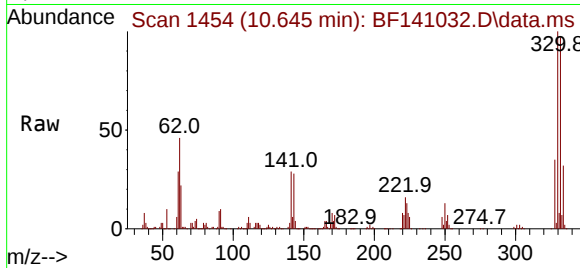
Tgt Ion:330 Resp: 899240

Ion Ratio Lower Upper

330 100

332 97.6 78.0 117.0

141 28.8 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 90.345 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

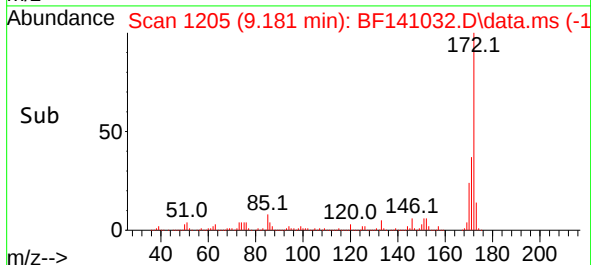
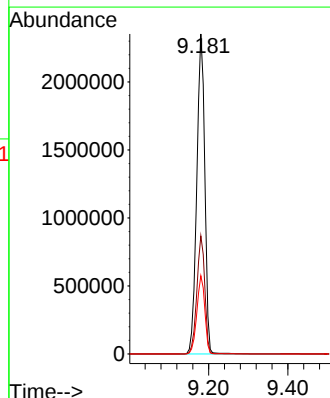
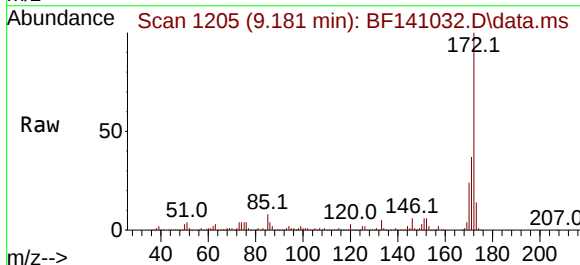
Tgt Ion:172 Resp: 3302789

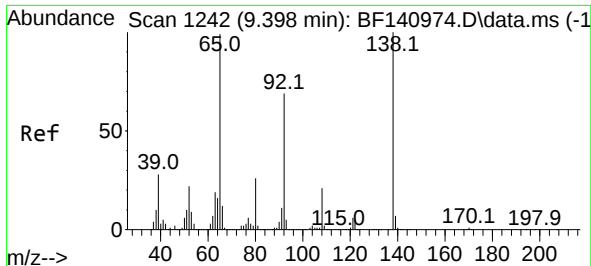
Ion Ratio Lower Upper

172 100

171 36.9 29.0 43.4

170 24.4 19.6 29.4





#48

2-Nitroaniline

Concen: 5.219 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.217 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

Instrument :

BNA_F

ClientSampleId :

PB165900BL

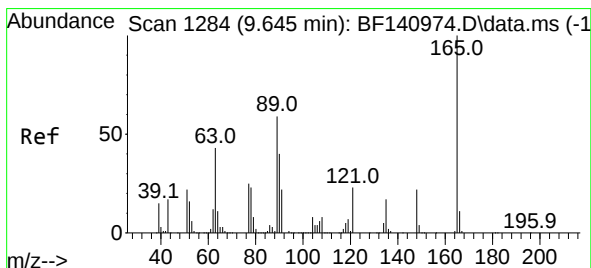
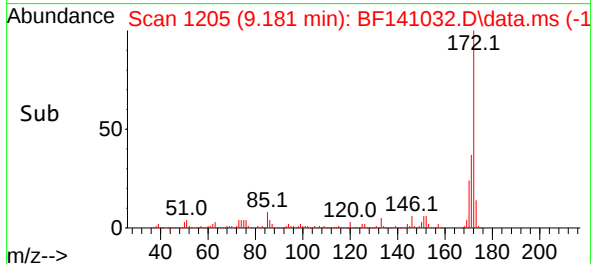
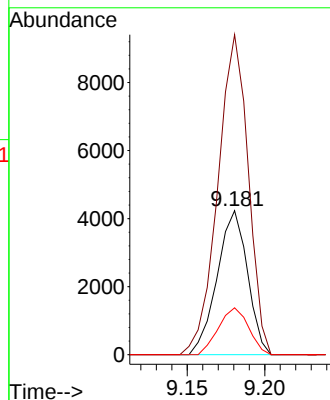
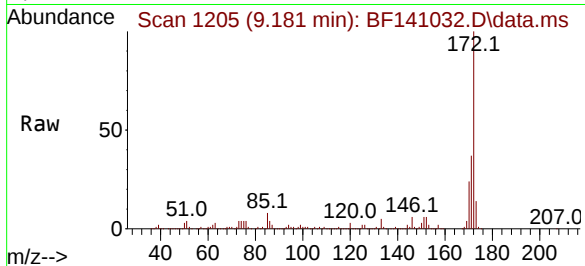
Tgt Ion: 65 Resp: 5761

Ion Ratio Lower Upper

65 100

92 222.2 55.6 83.4#

138 32.6 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.705 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

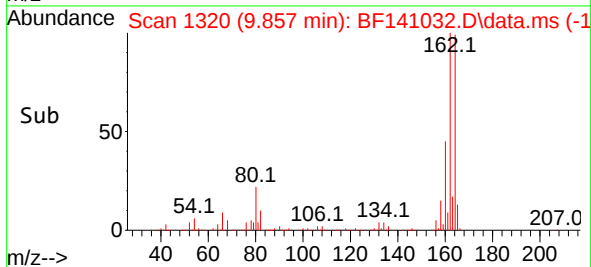
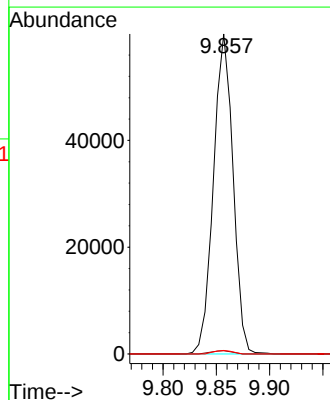
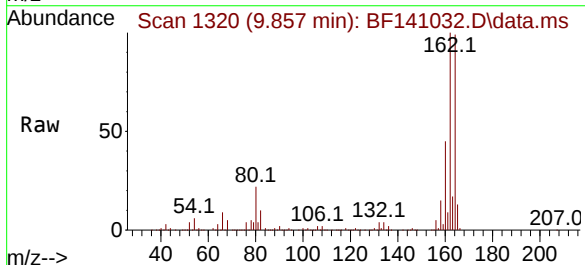
Tgt Ion:165 Resp: 76543

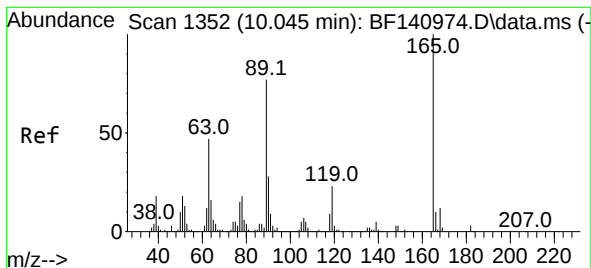
Ion Ratio Lower Upper

165 100

63 1.0 47.1 70.7#

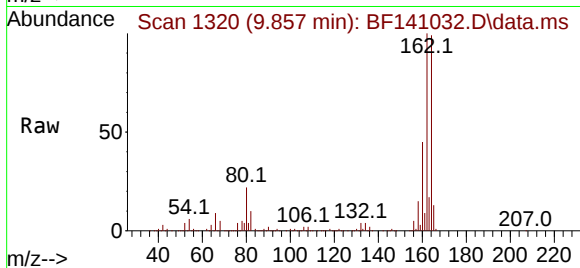
89 1.1 47.0 70.4#



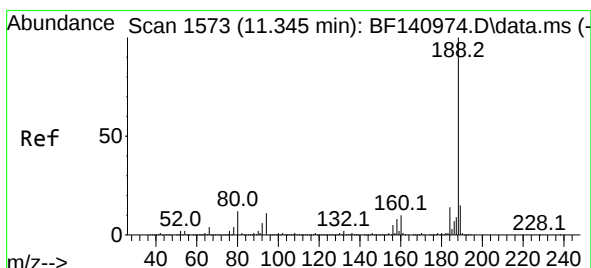
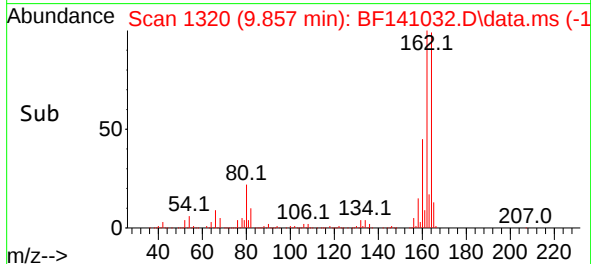
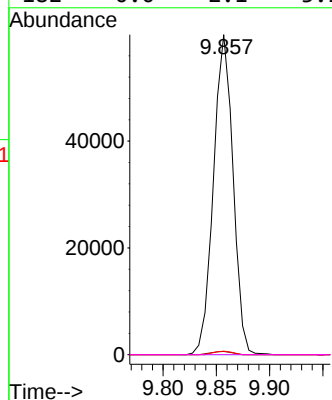


#57
2,4-Dinitrotoluene
Concen: 11.755 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Instrument :
BNA_F
ClientSampleId :
PB165900BL

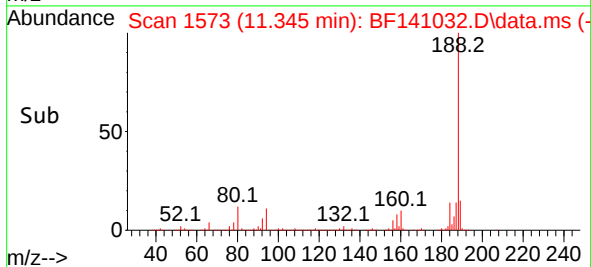
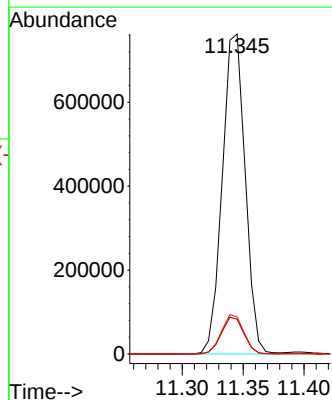
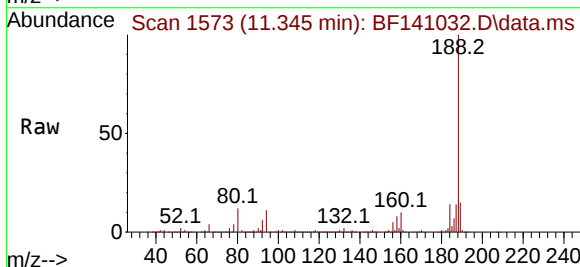


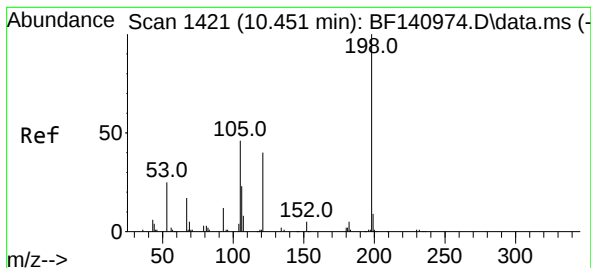
Tgt Ion:165 Resp: 76543
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.1 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion:188 Resp: 998523
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 11.5 9.8 14.6

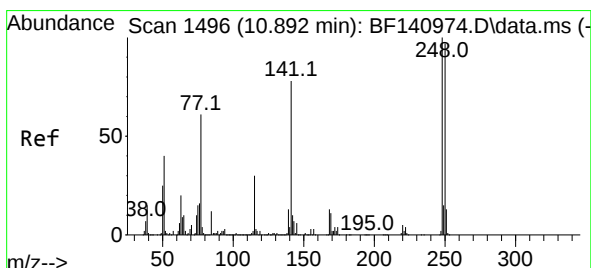
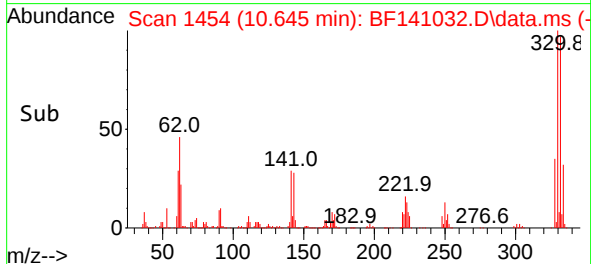
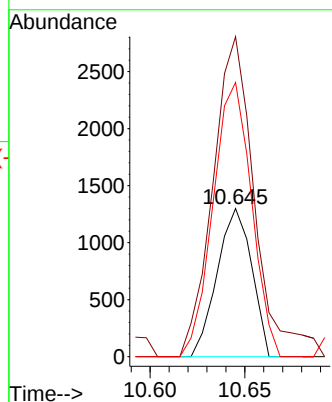
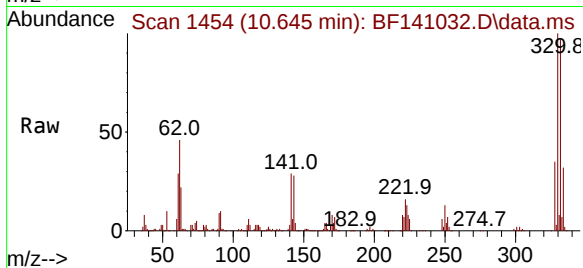




#65
4,6-Dinitro-2-methylphenol
Concen: 9.677 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

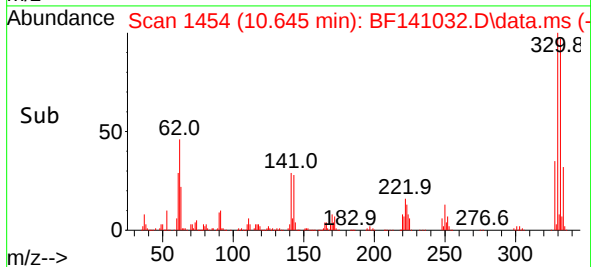
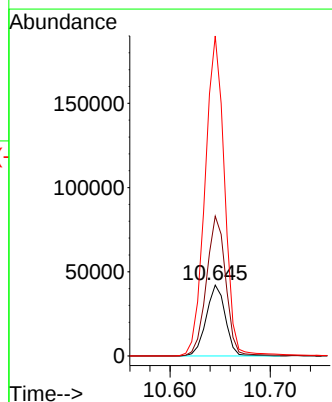
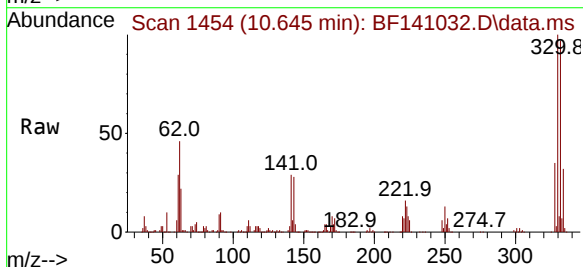
Instrument :
BNA_F
ClientSampleId :
PB165900BL

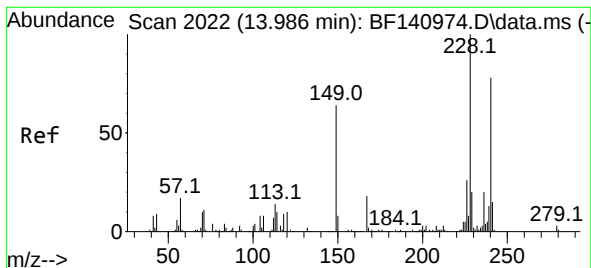
Tgt Ion:198 Resp: 1647
Ion Ratio Lower Upper
198 100
51 215.8 32.3 72.3#
105 185.0 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.192 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141032.D
Acq: 30 Dec 2024 15:47

Tgt Ion:248 Resp: 56048
Ion Ratio Lower Upper
248 100
250 197.2 77.7 116.5#
141 451.3 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

Instrument :

BNA_F

ClientSampleId :

PB165900BL

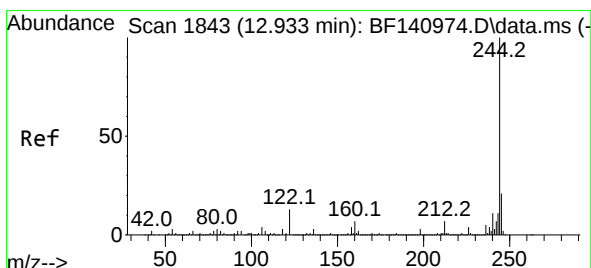
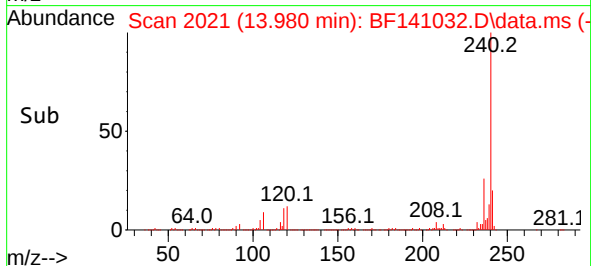
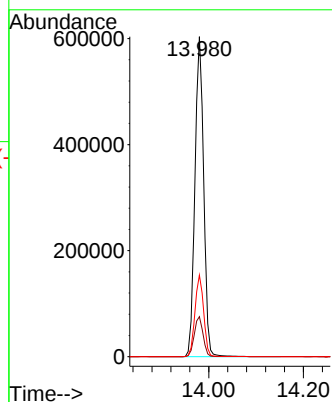
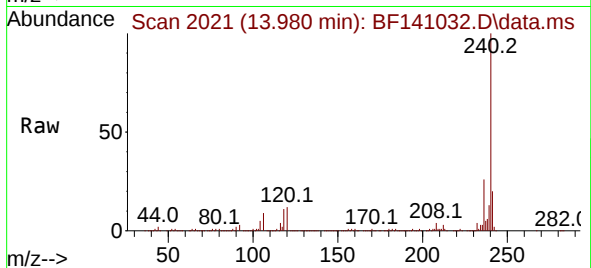
Tgt Ion:240 Resp: 774271

Ion Ratio Lower Upper

240 100

120 12.5 10.7 16.1

236 25.5 20.6 31.0



#79

Terphenyl-d14

Concen: 85.444 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141032.D

Acq: 30 Dec 2024 15:47

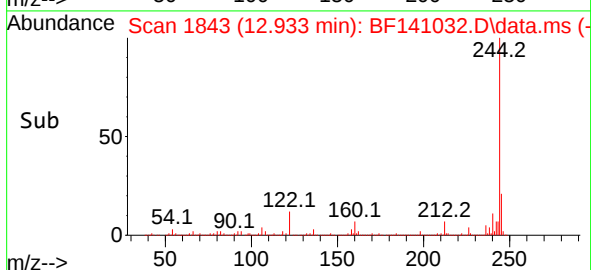
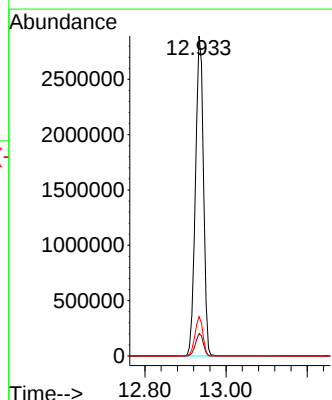
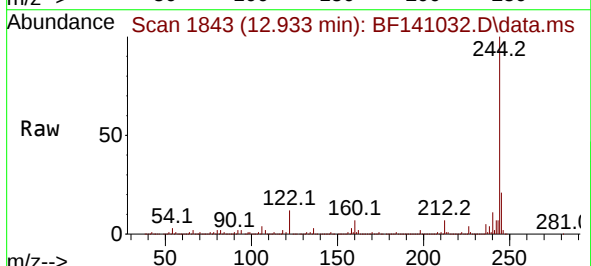
Tgt Ion:244 Resp: 3982943

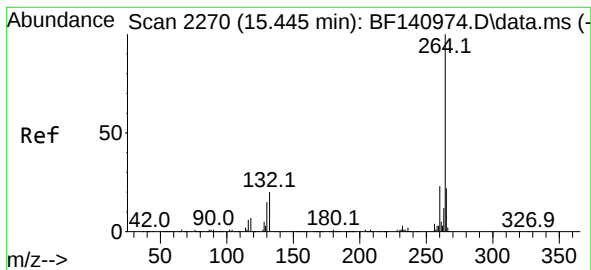
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 12.3 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: BF141032.D
Acq: 30 Dec 2024 15:47

Instrument :
BNA_F
ClientSampleId :
PB165900BL

Tgt Ion:264 Resp: 614257

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.4	17.4	26.2

