

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140153.D
 Acq On : 30 Oct 2024 13:17
 Operator : RC/JU
 Sample : PB164531BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164531BL

Quant Time: Oct 30 13:54:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

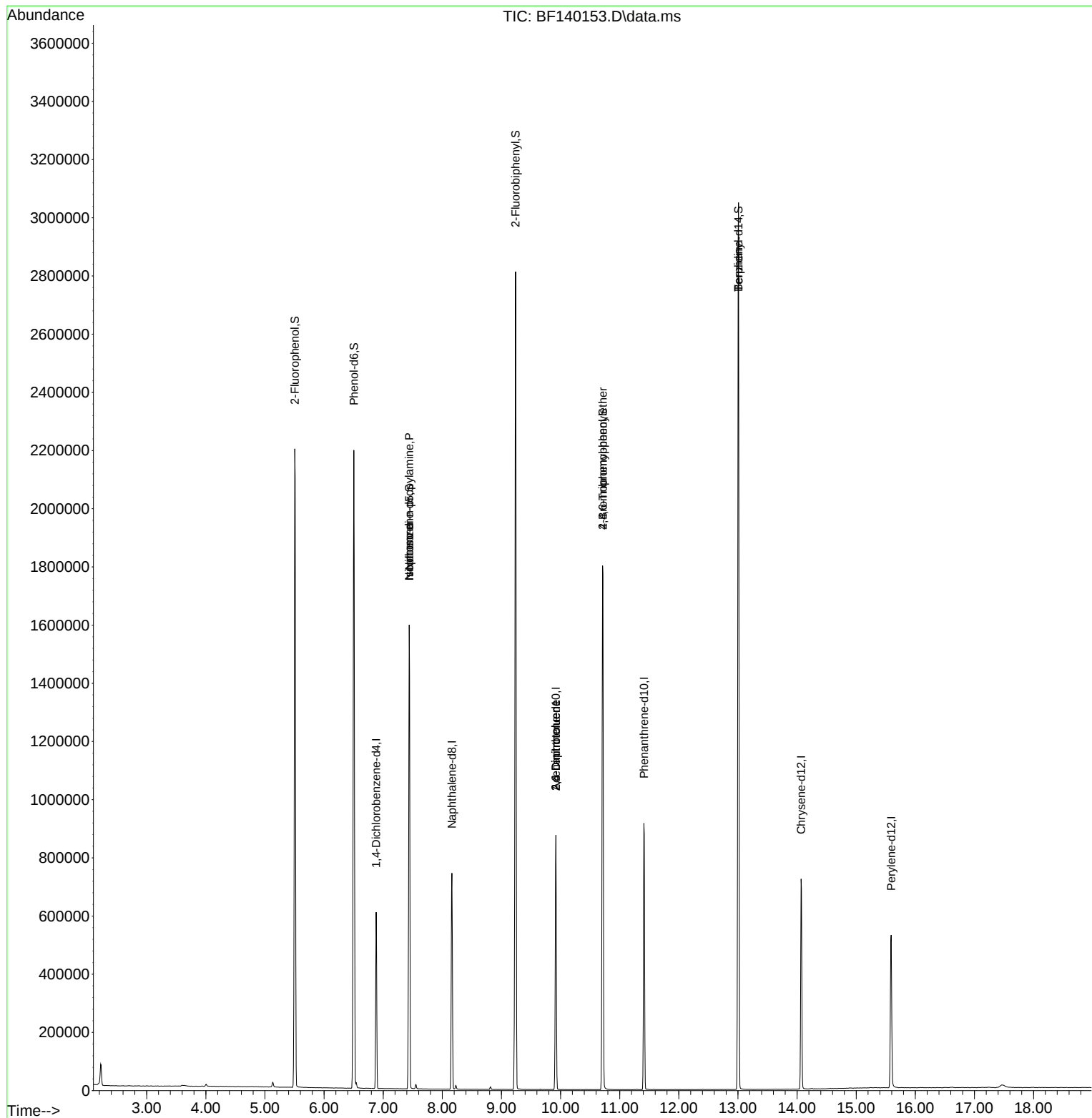
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118587	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	463570	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	263795	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	493629	20.000	ng	0.00
76) Chrysene-d12	14.068	240	354093	20.000	ng	0.02
86) Perylene-d12	15.592	264	323263	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	827768	109.275	ng	0.00
7) Phenol-d6	6.504	99	1054158	107.447	ng	0.00
23) Nitrobenzene-d5	7.439	82	727702	87.003	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	320339	129.826	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1325334	83.033	ng	-0.01
79) Terphenyl-d14	13.010	244	1613055	74.230	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	97518	16.389	ng	# 78
25) Isophorone	7.439	82	724721	45.651	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	34453	9.684	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	34453	7.875	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	20634	4.058	ng	# 1
77) Benzidine	13.010	184	20552	3.530	ng	# 92

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

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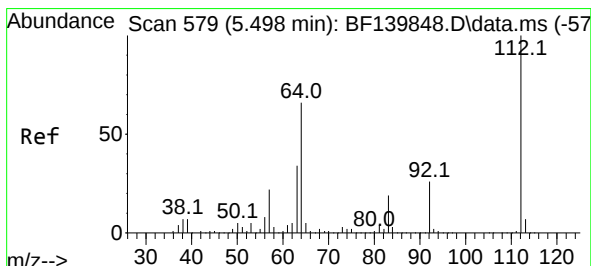
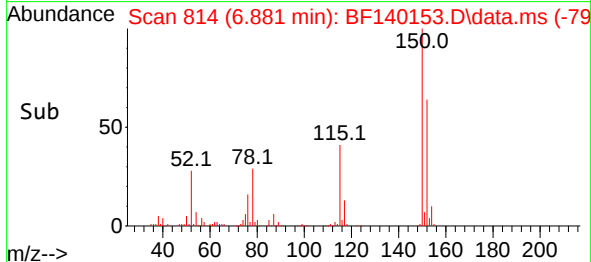
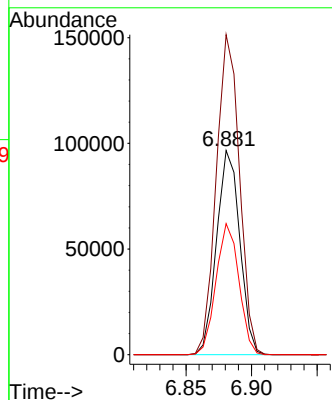
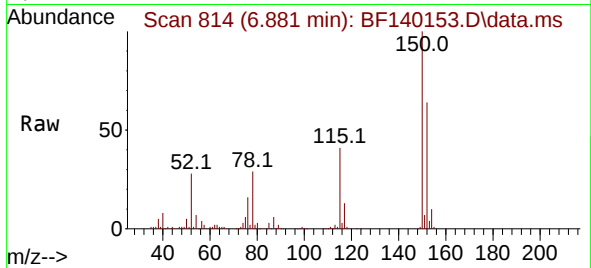




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

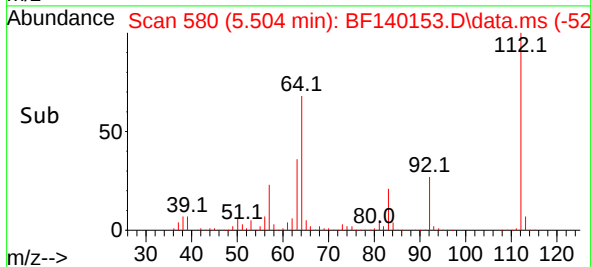
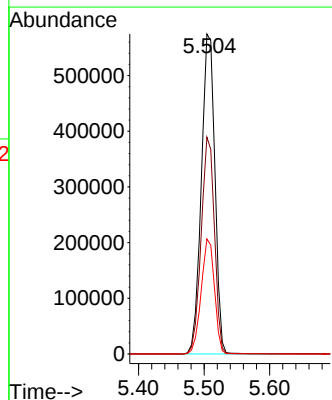
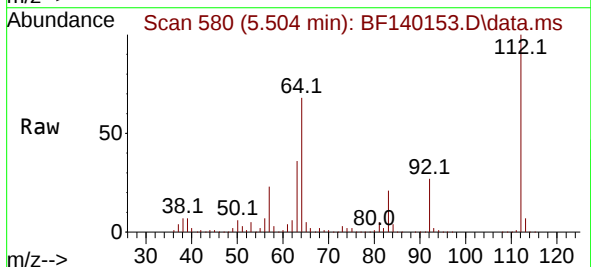
Instrument :
BNA_F
ClientSampleId :
PB164531BL

Tgt Ion:152 Resp: 118587
Ion Ratio Lower Upper
152 100
150 156.7 130.2 195.2
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 109.275 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Tgt Ion:112 Resp: 827768
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 36.0 27.0 40.4





#7
Phenol-d6
Concen: 107.447 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

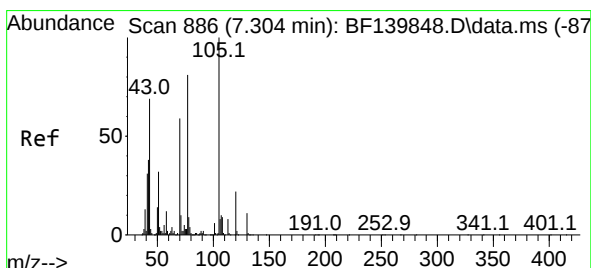
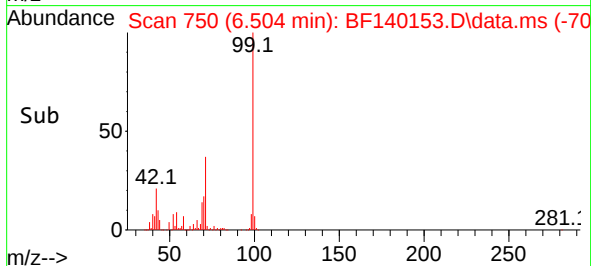
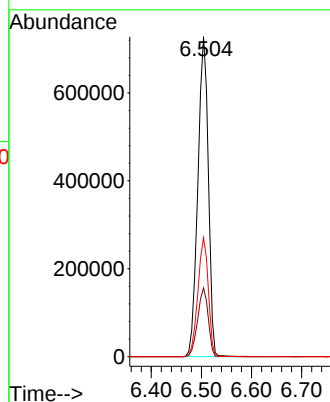
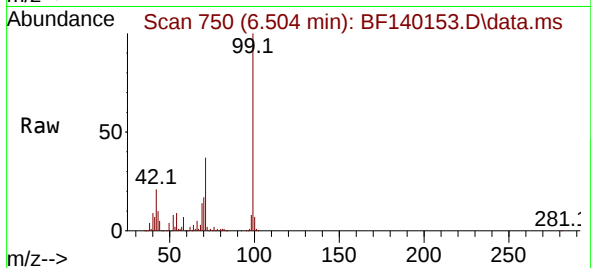
Instrument :

BNA_F

ClientSampleId :

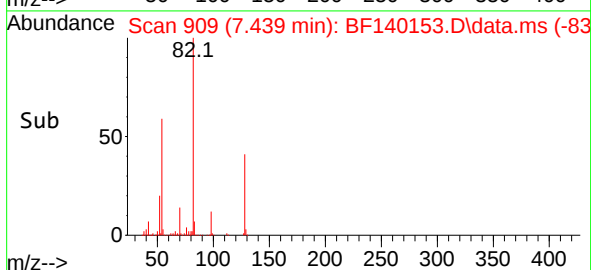
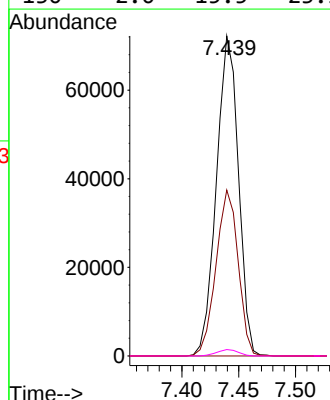
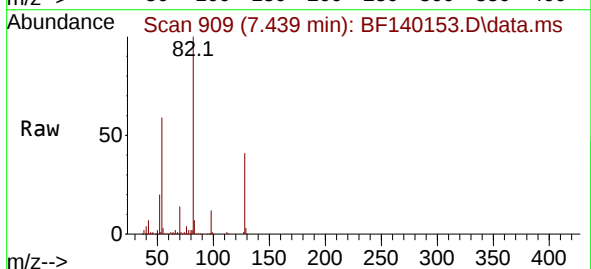
PB164531BL

Tgt Ion: 99 Resp: 1054158
Ion Ratio Lower Upper
99 100
42 21.4 16.7 25.1
71 37.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.389 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Tgt Ion: 70 Resp: 97518
Ion Ratio Lower Upper
70 100
42 51.8 51.5 77.3
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



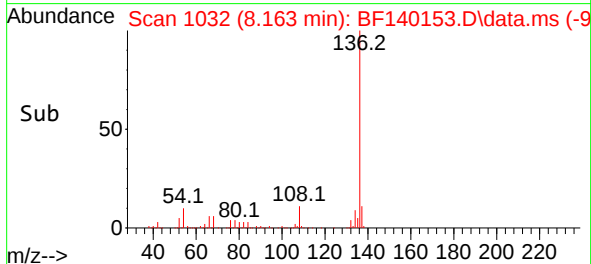
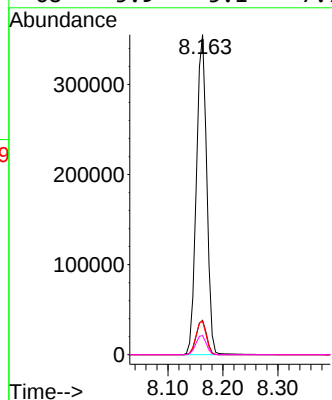
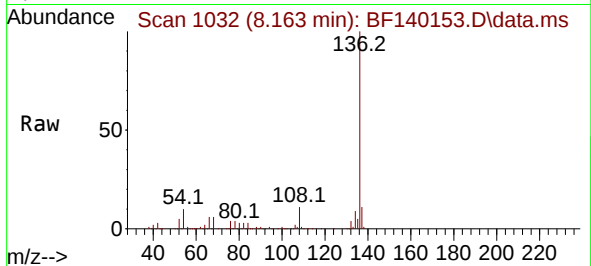


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Instrument :
BNA_F
ClientSampleId :
PB164531BL

Tgt Ion:136 Resp: 463570

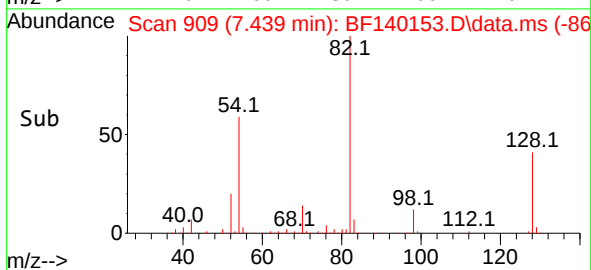
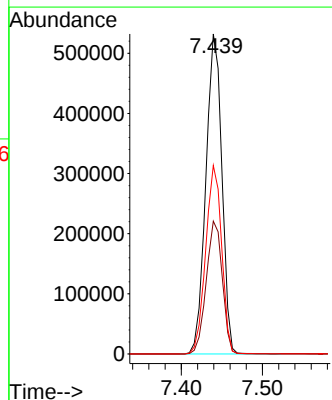
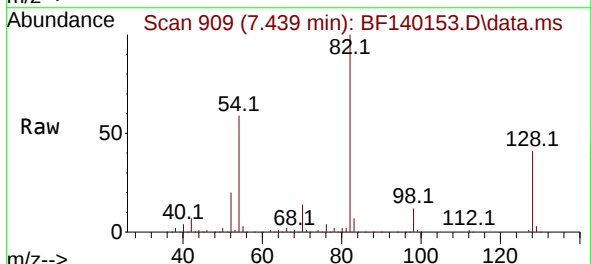
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.3	8.4	12.6
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 87.003 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Tgt Ion: 82 Resp: 727702

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.4	50.0
54	58.9	47.8	71.8

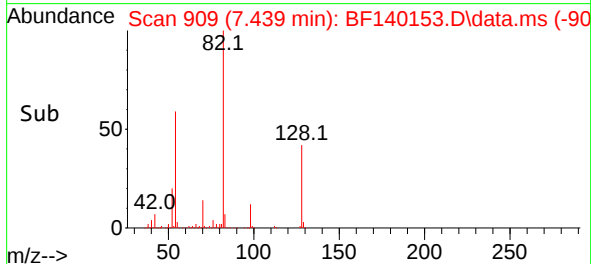
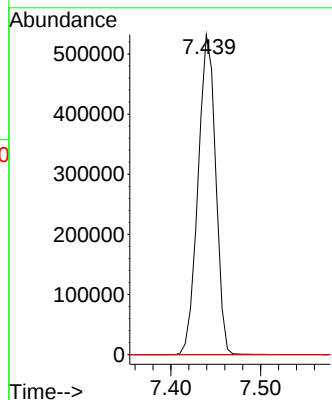
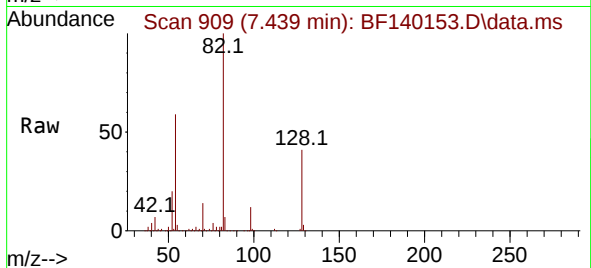




#25
Isophorone
Concen: 45.651 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

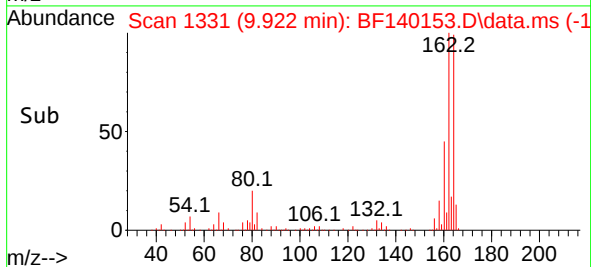
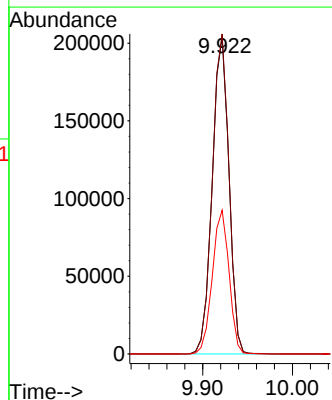
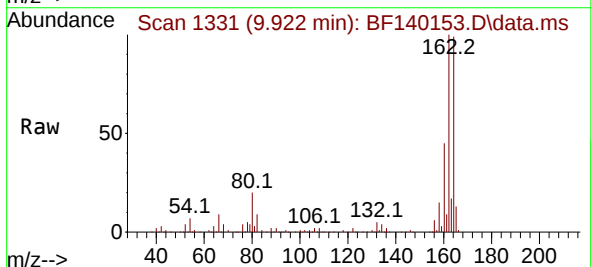
Instrument :
BNA_F
ClientSampleId :
PB164531BL

Tgt Ion: 82 Resp: 724721
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Tgt Ion:164 Resp: 263795
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 129.826 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140153.D

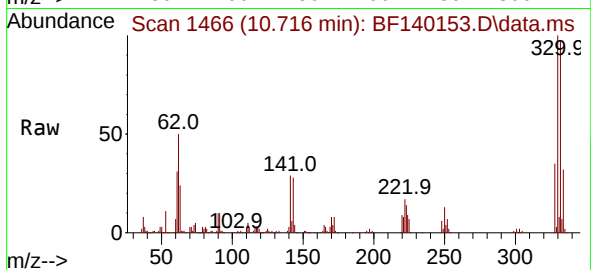
Acq: 30 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

PB164531BL



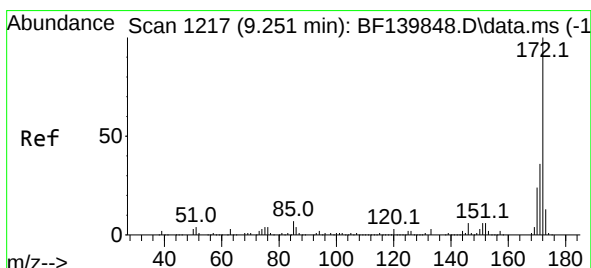
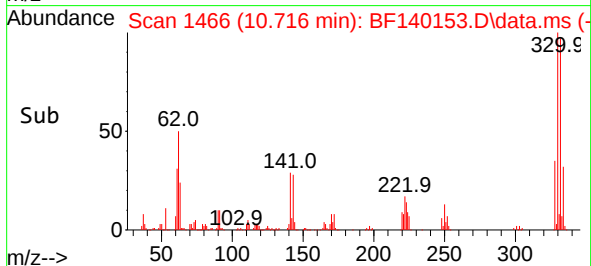
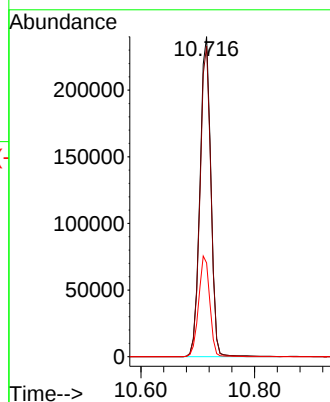
Tgt Ion:330 Resp: 320339

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 32.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 83.033 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

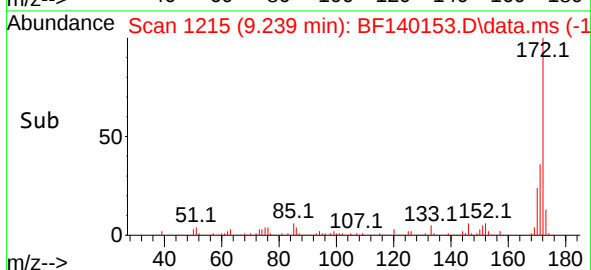
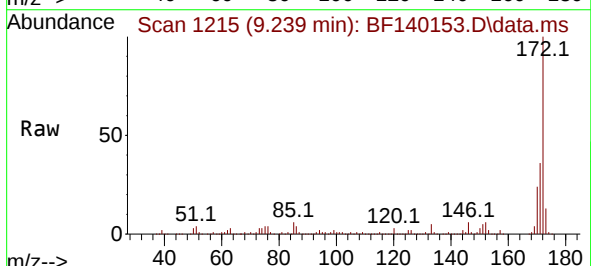
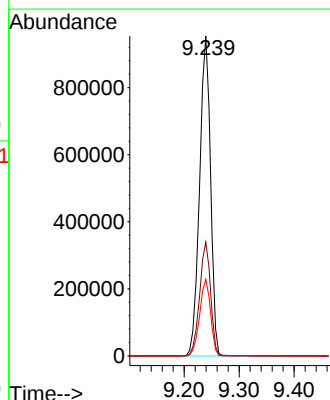
Tgt Ion:172 Resp: 1325334

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 23.9 19.1 28.7

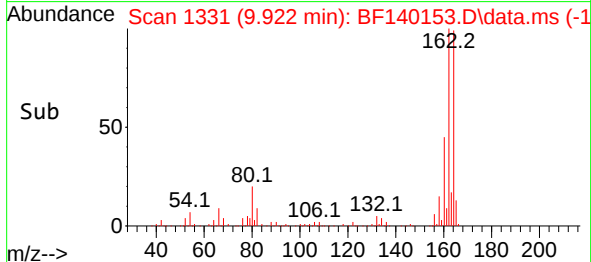
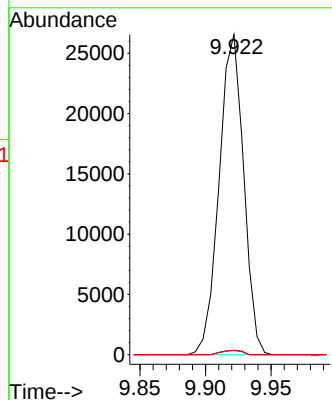
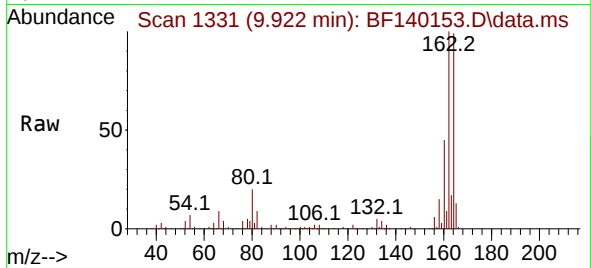




#51
2,6-Dinitrotoluene
Concen: 9.684 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

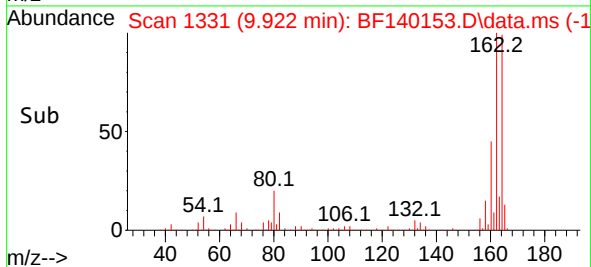
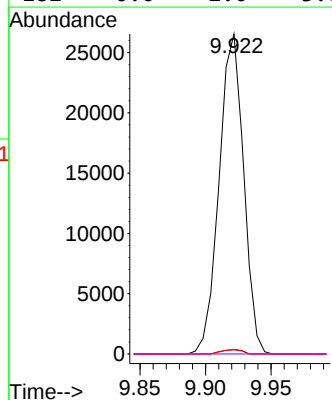
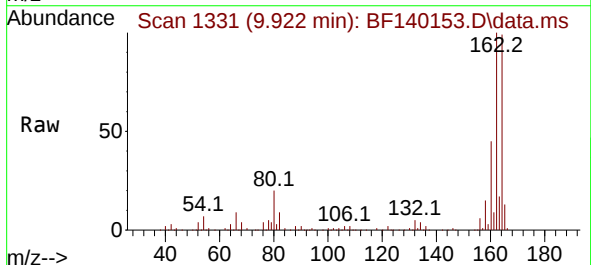
Instrument :
BNA_F
ClientSampleId :
PB164531BL

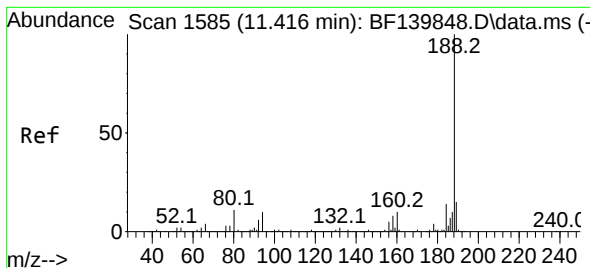
Tgt Ion:165 Resp: 34453
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.875 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140153.D
Acq: 30 Oct 2024 13:17

Tgt Ion:165 Resp: 34453
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

PB164531BL

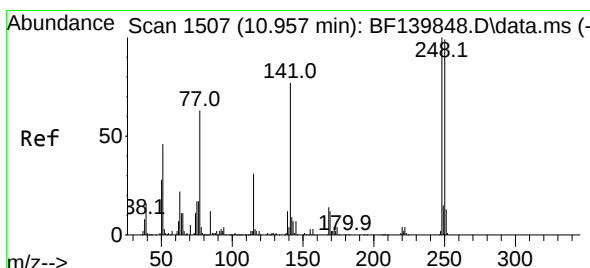
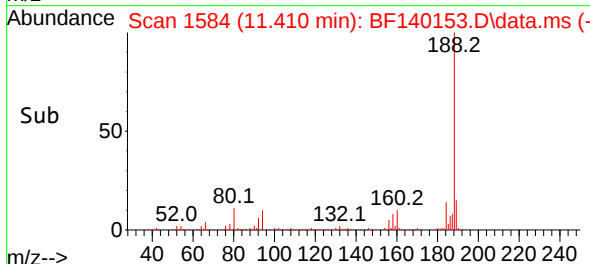
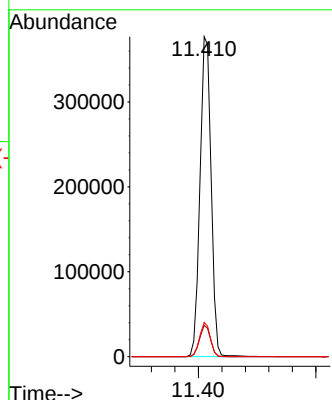
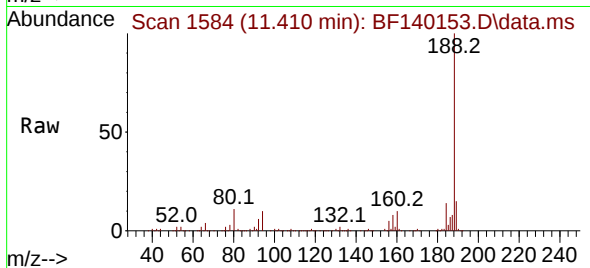
Tgt Ion:188 Resp: 493629

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.7 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.058 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

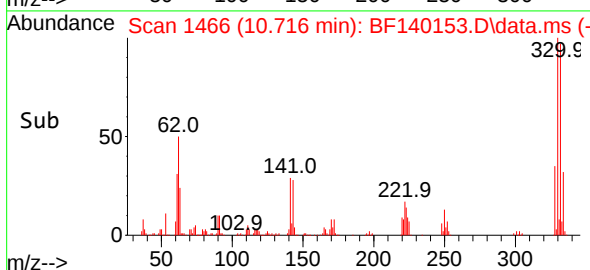
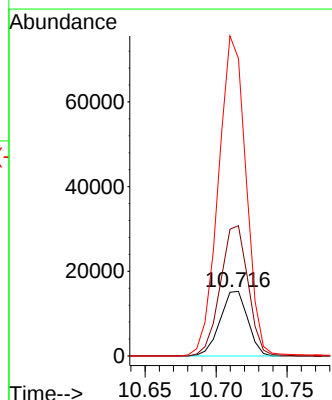
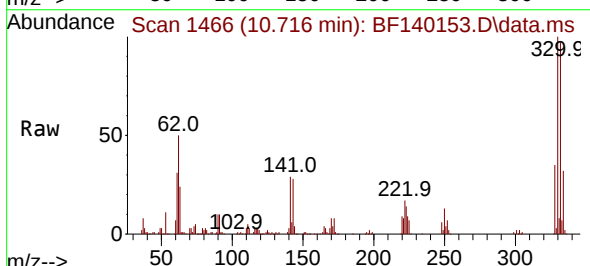
Tgt Ion:248 Resp: 20634

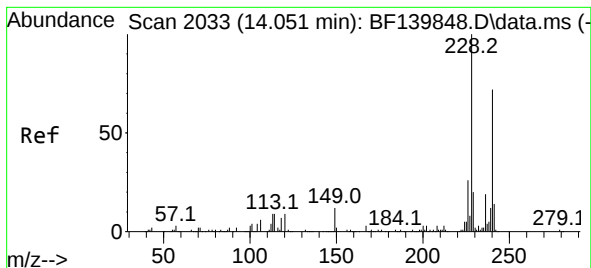
Ion Ratio Lower Upper

248 100

250 201.5 79.0 118.6#

141 460.7 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

PB164531BL

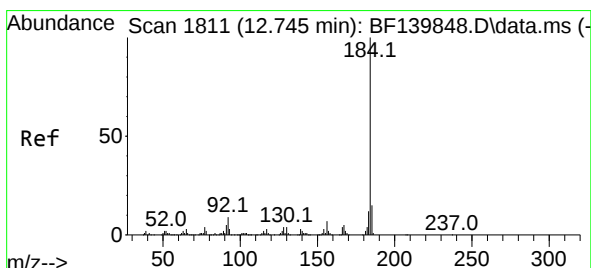
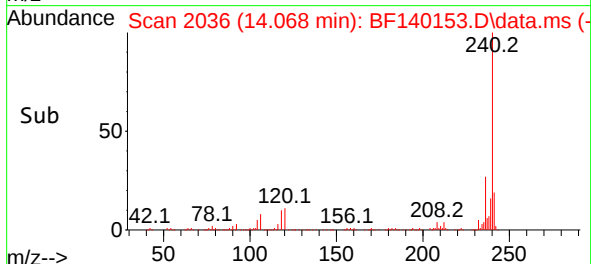
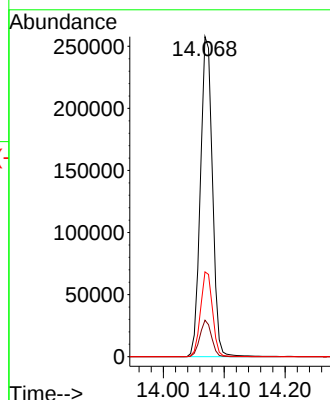
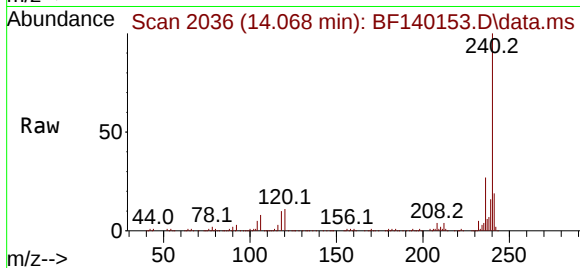
Tgt Ion:240 Resp: 354093

Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 26.5 20.9 31.3



#77

Benzidine

Concen: 3.530 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

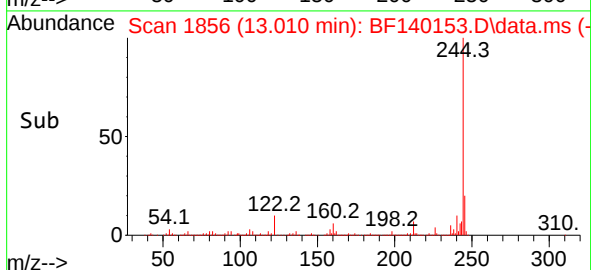
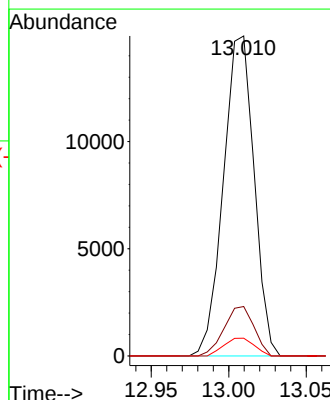
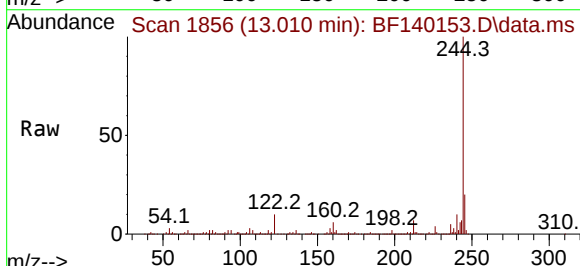
Tgt Ion:184 Resp: 20552

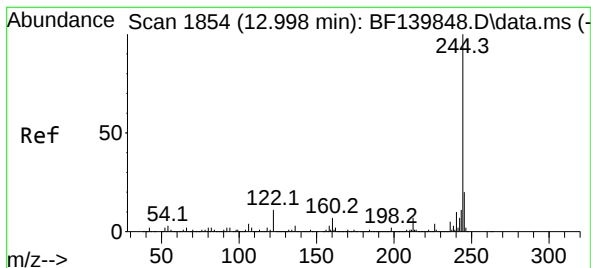
Ion Ratio Lower Upper

184 100

185 15.4 12.0 18.0

183 5.5 9.4 14.2#





#79

Terphenyl-d14

Concen: 74.230 ng

RT: 13.010 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

Instrument :

BNA_F

ClientSampleId :

PB164531BL

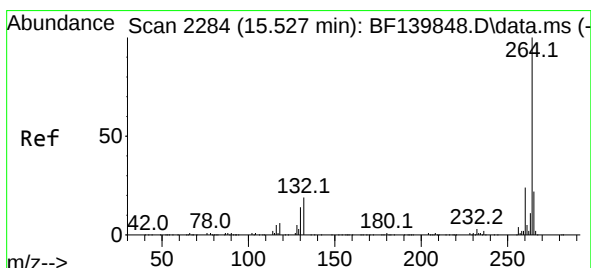
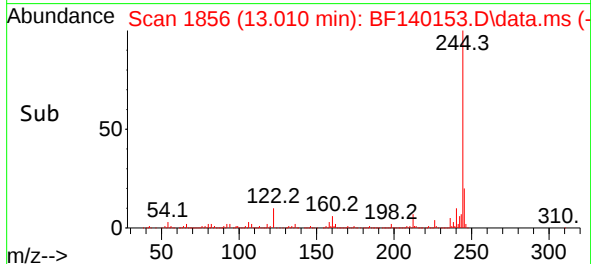
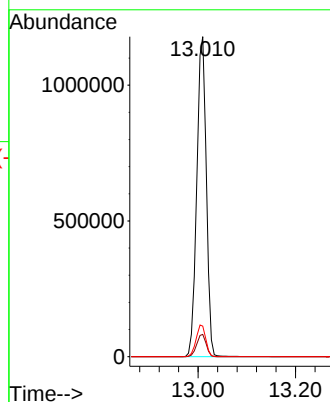
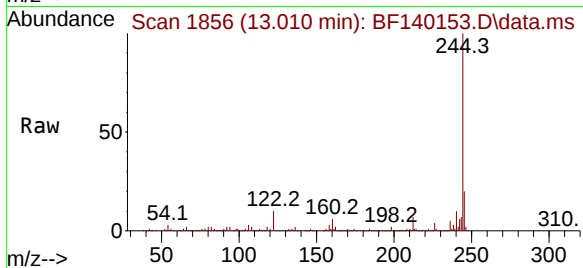
Tgt Ion:244 Resp: 1613055

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 9.5 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2295

Delta R.T. 0.065 min

Lab File: BF140153.D

Acq: 30 Oct 2024 13:17

Tgt Ion:264 Resp: 323263

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 21.7 17.4 26.0

