

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140081.D
 Acq On : 28 Oct 2024 12:27
 Operator : RC/JU
 Sample : P4547-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-20

Quant Time: Oct 28 13:01:19 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)

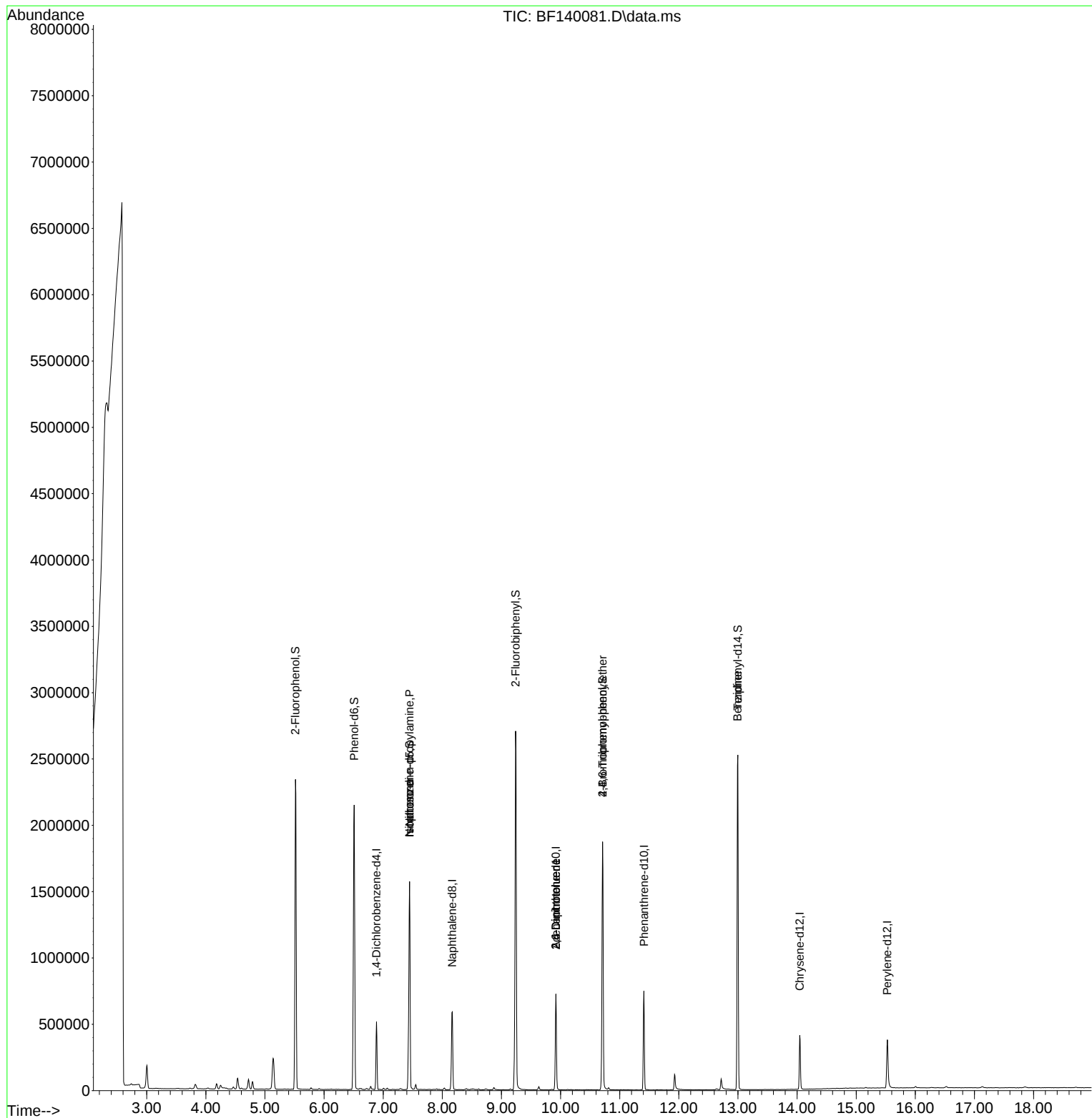
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	105972	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	413518	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	227492	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	389316	20.000	ng	0.00
76) Chrysene-d12	14.045	240	199247	20.000	ng	0.00
86) Perylene-d12	15.527	264	233774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	934938	138.115	ng	0.02
7) Phenol-d6	6.510	99	1149935	131.162	ng	0.00
23) Nitrobenzene-d5	7.445	82	794686	106.511	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	348850	163.942	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1429396	103.844	ng	-0.01
79) Terphenyl-d14	12.998	244	1312236	107.317	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	107324	20.184	ng	# 77
25) Isophorone	7.445	82	780198	55.095	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	29613	9.652	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29613	7.849	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22122	5.516	ng	# 1
77) Benzidine	12.992	184	15743	4.805	ng	# 93

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

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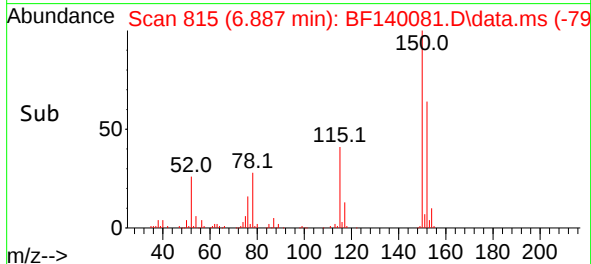
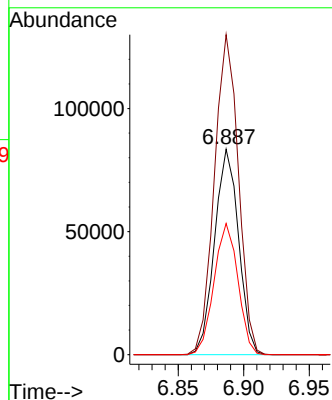
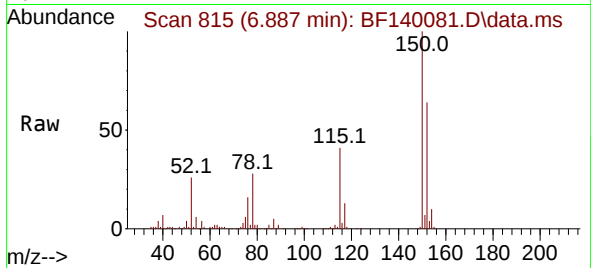




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

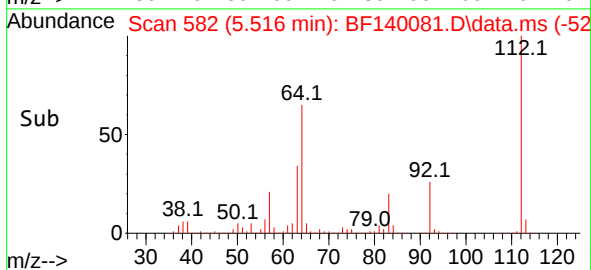
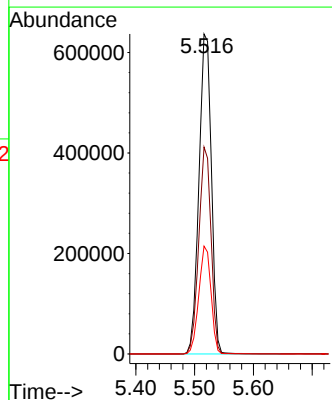
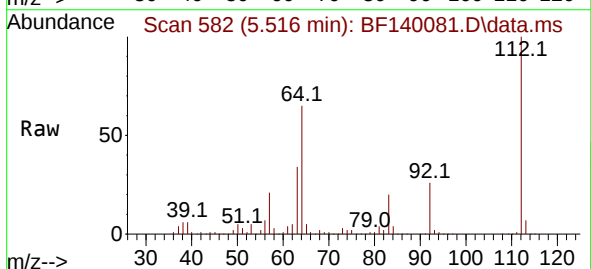
Instrument :
BNA_F
ClientSampleId :
BP-F-20

Tgt Ion:152 Resp: 105972
Ion Ratio Lower Upper
152 100
150 155.7 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 138.115 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion:112 Resp: 934938
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 33.7 27.0 40.4





#7
Phenol-d6
Concen: 131.162 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

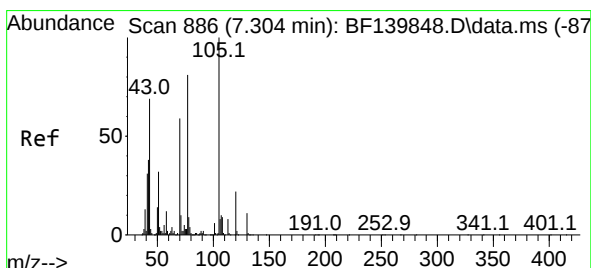
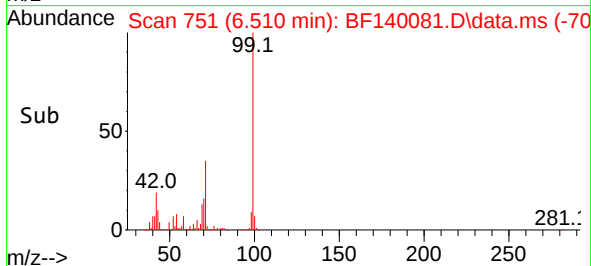
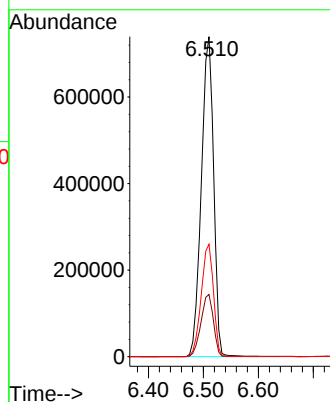
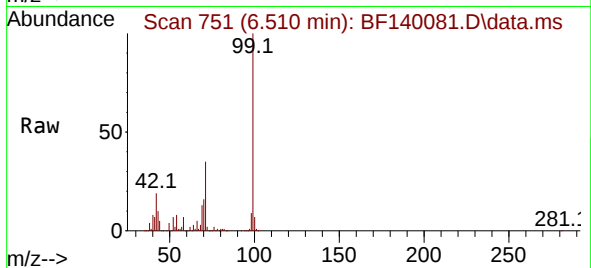
Instrument :

BNA_F

ClientSampleId :

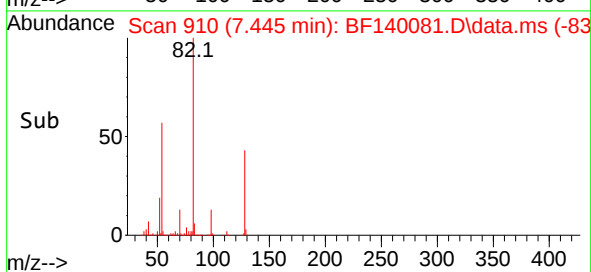
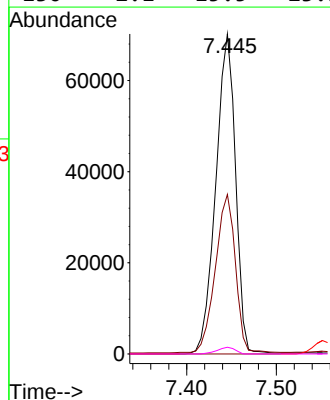
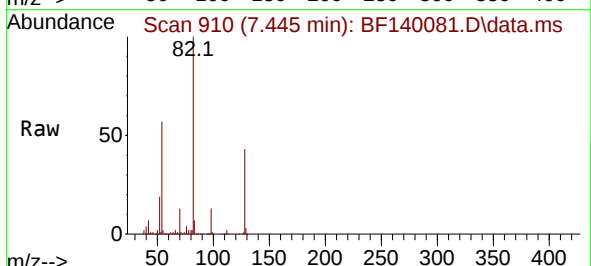
BP-F-20

Tgt Ion: 99 Resp: 1149935
Ion Ratio Lower Upper
99 100
42 19.4 16.7 25.1
71 35.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.184 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion: 70 Resp: 107324
Ion Ratio Lower Upper
70 100
42 49.8 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



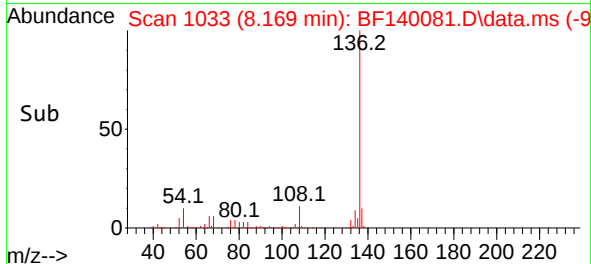
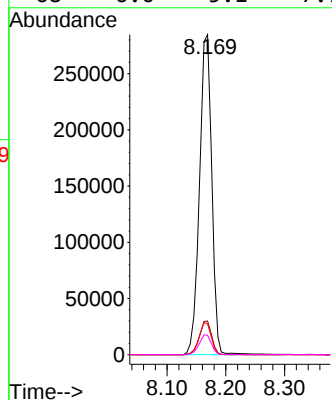
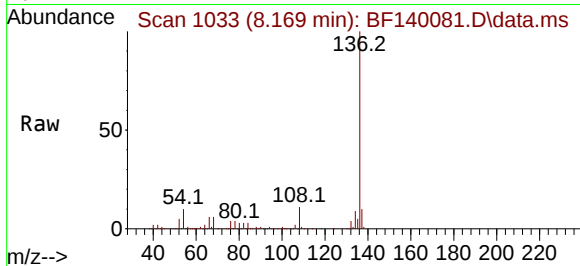


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Instrument :
BNA_F
ClientSampleId :
BP-F-20

Tgt Ion:136 Resp: 413518

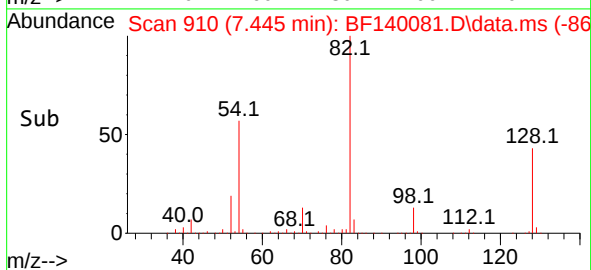
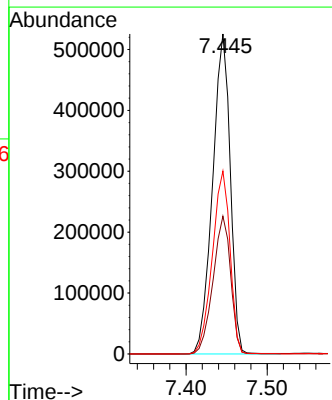
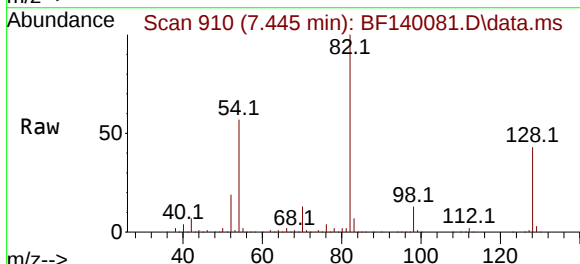
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	9.6	8.4	12.6
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 106.511 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion: 82 Resp: 794686

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	57.2	47.8	71.8

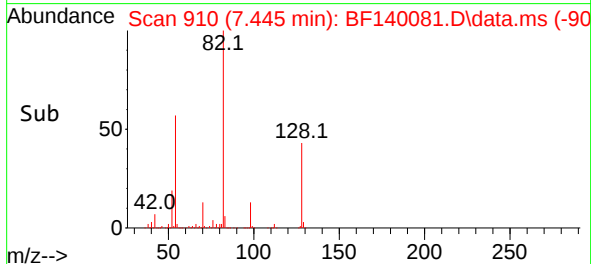
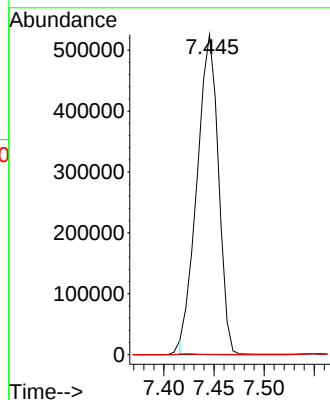
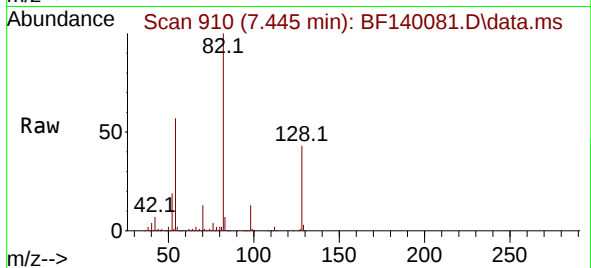




#25
Isophorone
Concen: 55.095 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

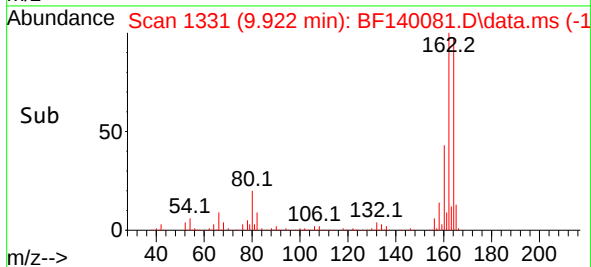
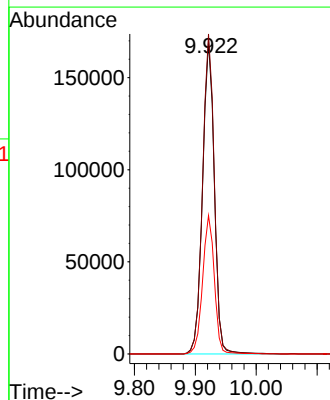
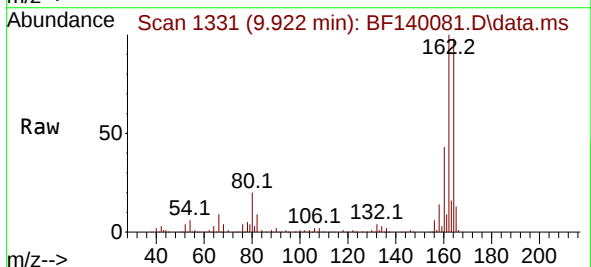
Instrument :
BNA_F
ClientSampleId :
BP-F-20

Tgt Ion: 82 Resp: 780198
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: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion:164 Resp: 227492
Ion Ratio Lower Upper
164 100
162 102.5 81.0 121.4
160 44.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 163.942 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140081.D

Acq: 28 Oct 2024 12:27

Instrument :

BNA_F

ClientSampleId :

BP-F-20

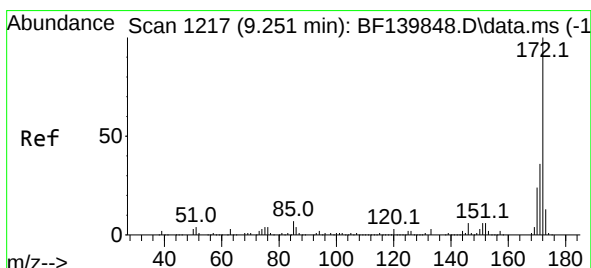
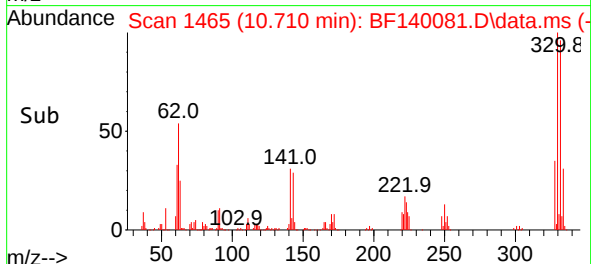
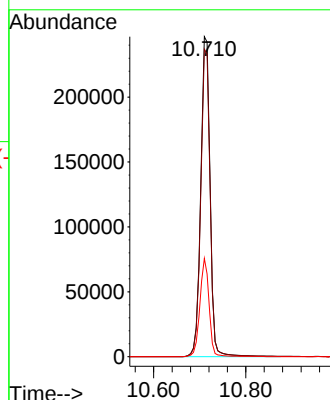
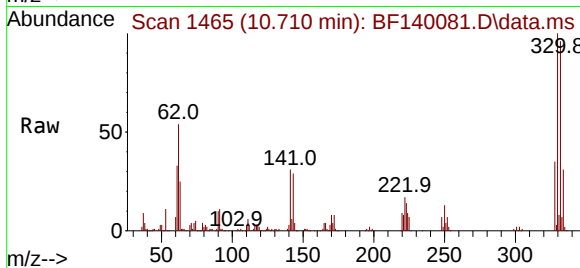
Tgt Ion:330 Resp: 348850

Ion Ratio Lower Upper

330 100

332 95.8 78.1 117.1

141 30.0 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 103.844 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140081.D

Acq: 28 Oct 2024 12:27

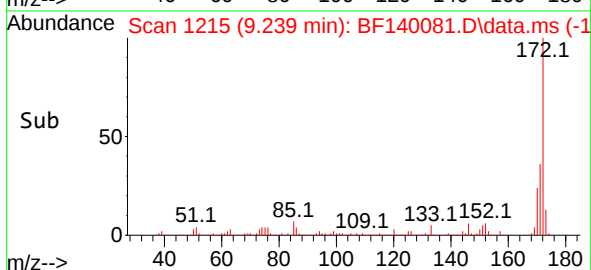
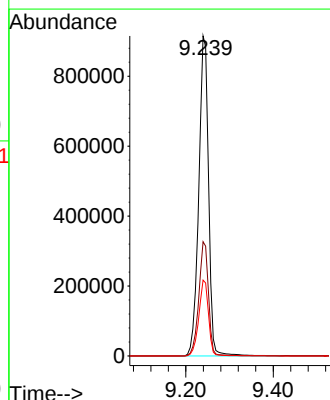
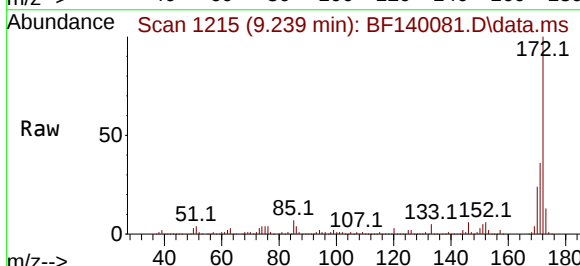
Tgt Ion:172 Resp: 1429396

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.7 19.1 28.7

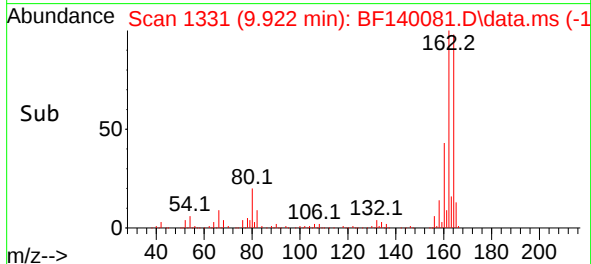
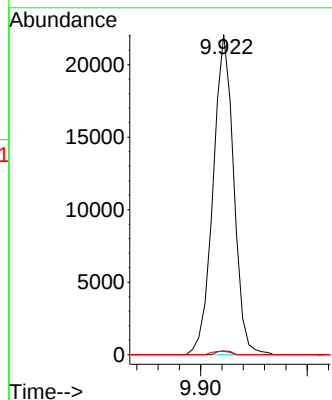
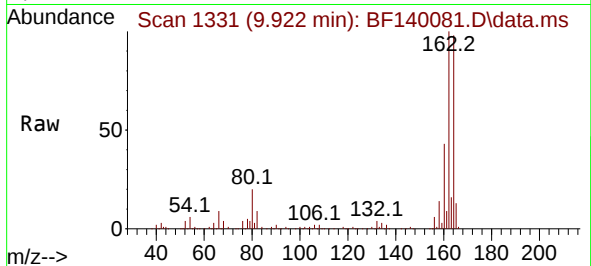




#51
2,6-Dinitrotoluene
Concen: 9.652 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

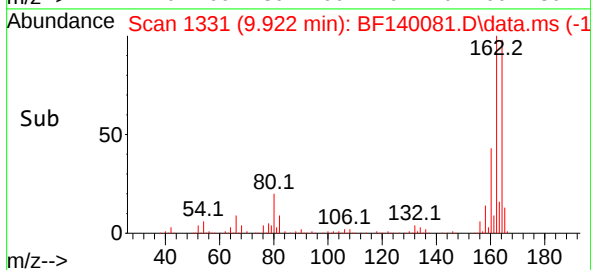
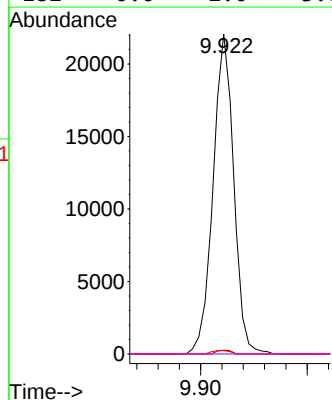
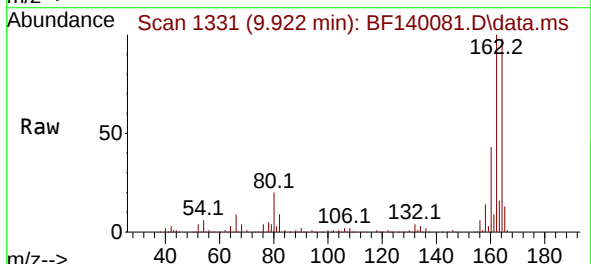
Instrument :
BNA_F
ClientSampleId :
BP-F-20

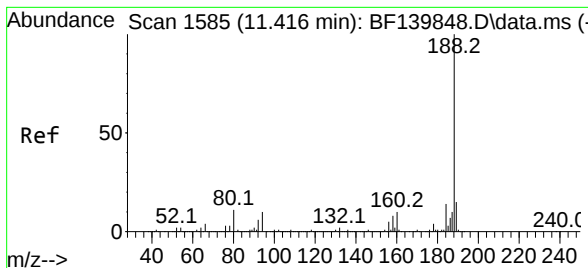
Tgt Ion:165 Resp: 29613
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.849 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion:165 Resp: 29613
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.0 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: BF140081.D

Acq: 28 Oct 2024 12:27

Instrument :

BNA_F

ClientSampleId :

BP-F-20

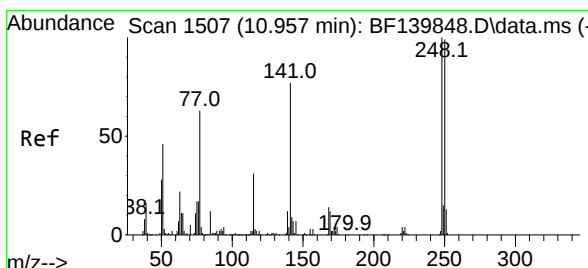
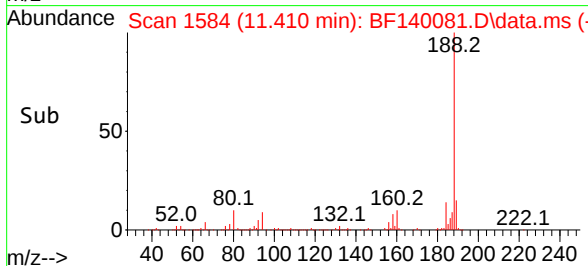
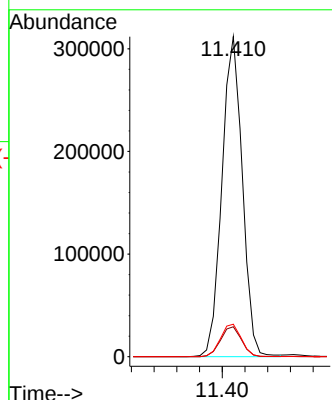
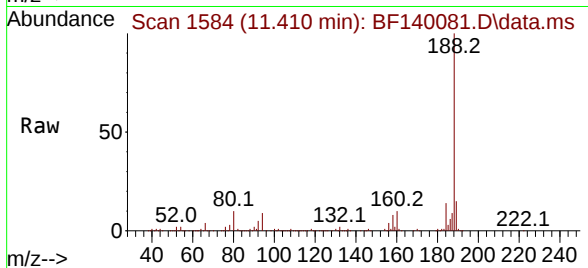
Tgt Ion:188 Resp: 389316

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

80 10.2 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.516 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140081.D

Acq: 28 Oct 2024 12:27

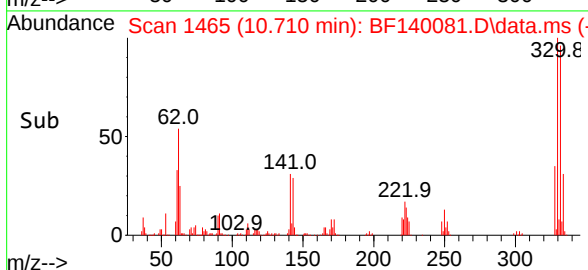
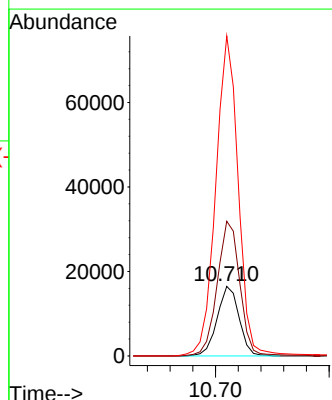
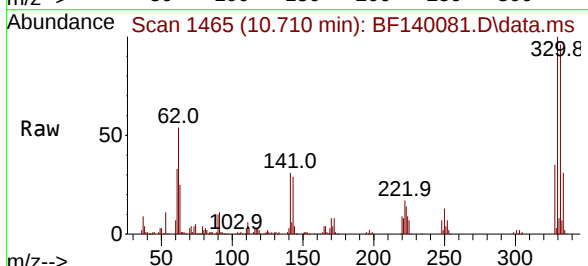
Tgt Ion:248 Resp: 22122

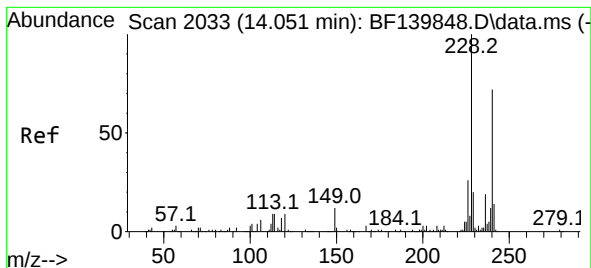
Ion Ratio Lower Upper

248 100

250 193.4 79.0 118.6#

141 459.4 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140081.D

Acq: 28 Oct 2024 12:27

Instrument :

BNA_F

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BP-F-20

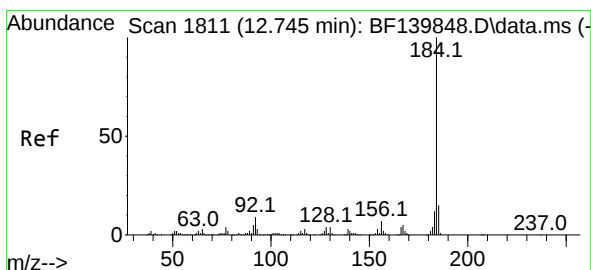
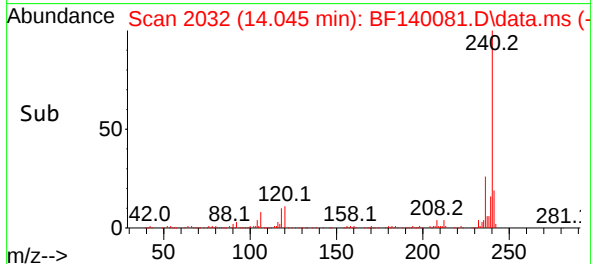
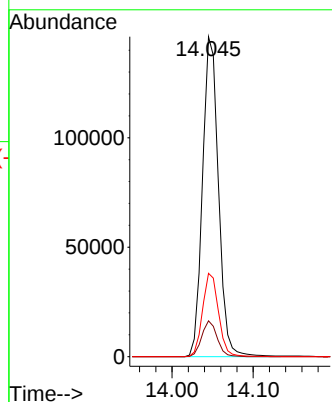
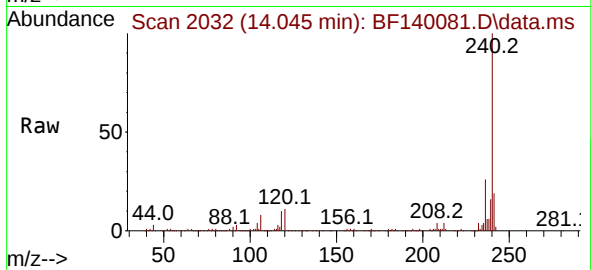
Tgt Ion:240 Resp: 199247

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 26.1 20.9 31.3



#77

Benzdine

Concen: 4.805 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140081.D

Acq: 28 Oct 2024 12:27

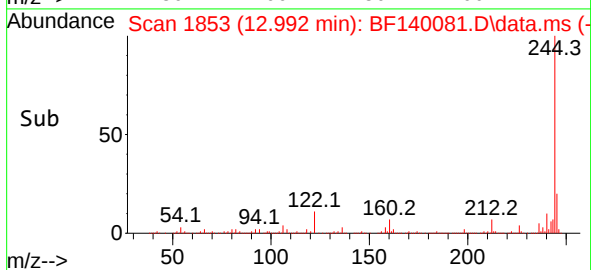
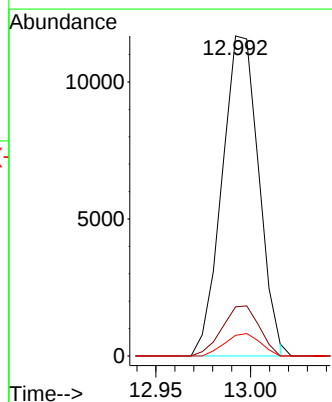
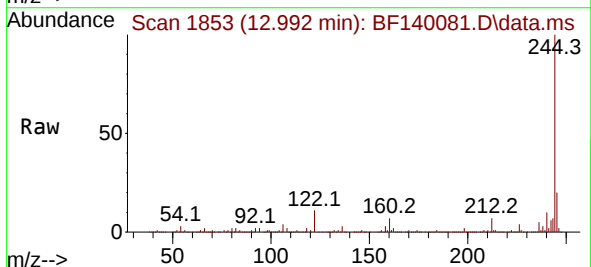
Tgt Ion:184 Resp: 15743

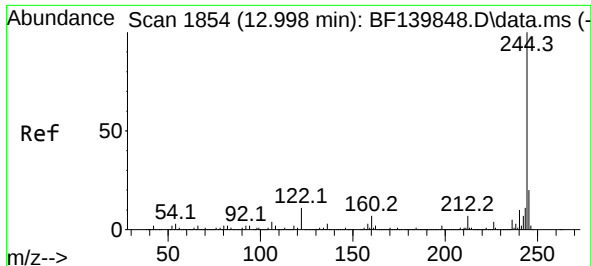
Ion Ratio Lower Upper

184 100

185 15.4 12.0 18.0

183 6.4 9.4 14.2#

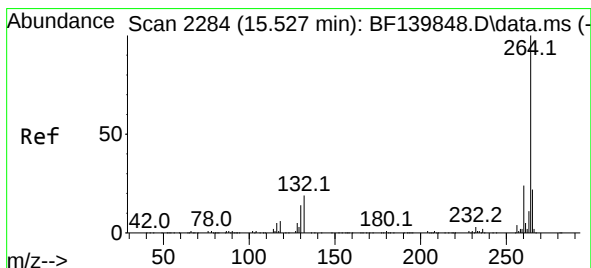
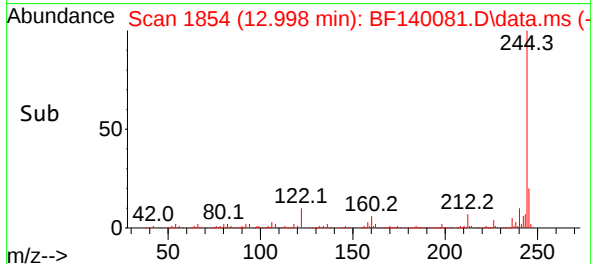
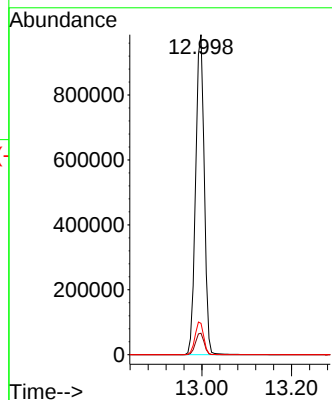
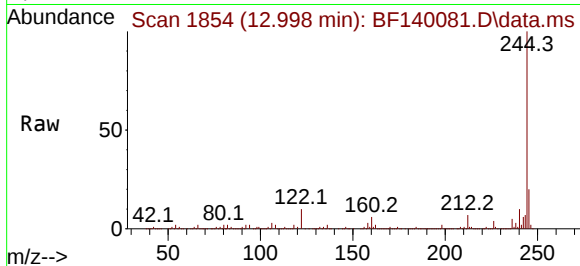




#79
Terphenyl-d14
Concen: 107.317 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Instrument :
BNA_F
ClientSampleId :
BP-F-20

Tgt Ion:244 Resp: 1312236
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 9.8 8.6 13.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140081.D
Acq: 28 Oct 2024 12:27

Tgt Ion:264 Resp: 233774
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.7 17.4 26.0

