

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140035.D
 Acq On : 25 Oct 2024 14:08
 Operator : RC/JU
 Sample : P4485-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D20241001-01-04

Quant Time: Oct 25 14:30:26 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)

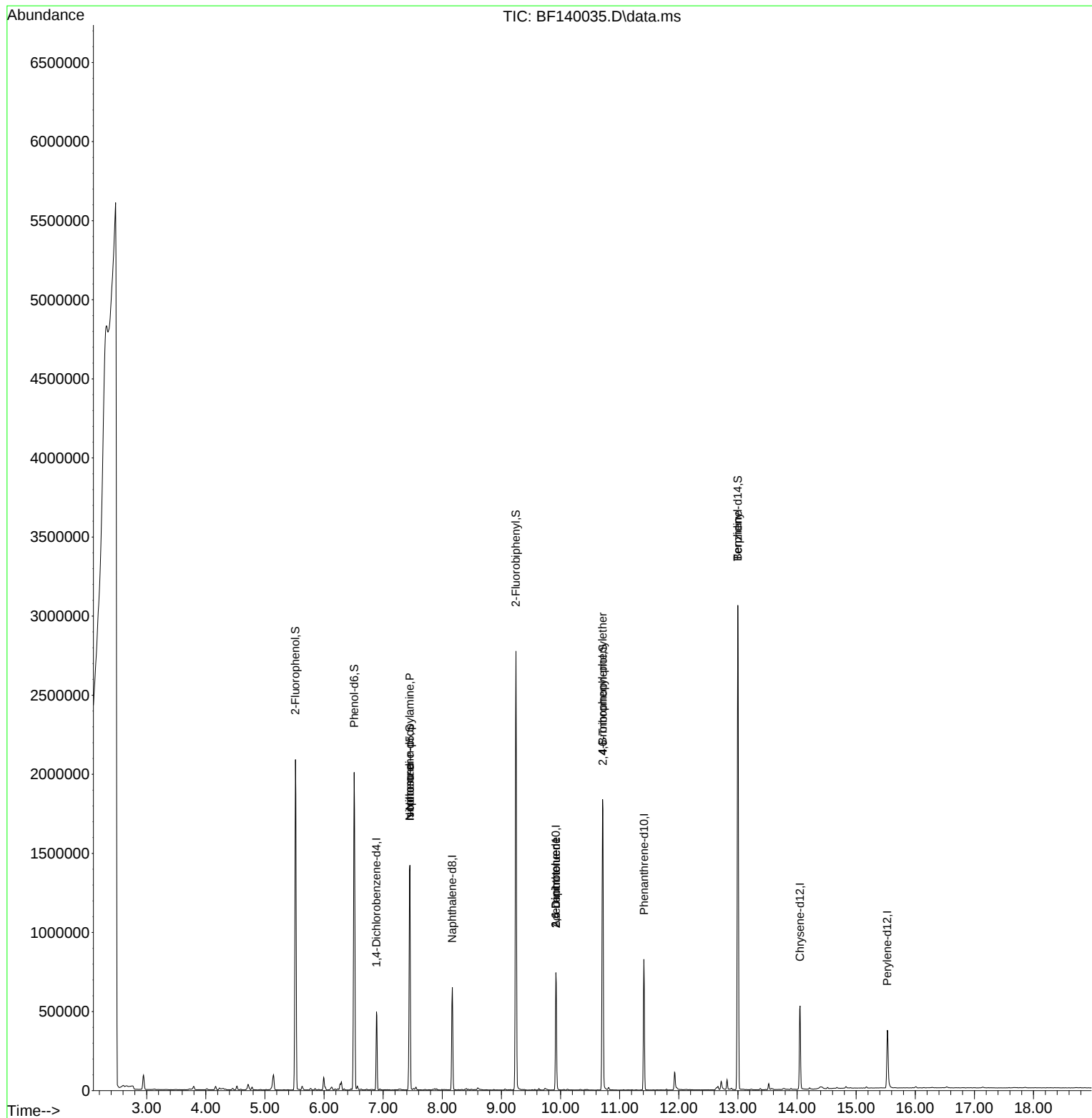
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	100863	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	383998	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	224792	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	423437	20.000	ng	0.00
76) Chrysene-d12	14.051	240	261149	20.000	ng	0.00
86) Perylene-d12	15.527	264	240822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	785361	121.895	ng	0.02
7) Phenol-d6	6.510	99	981858	117.664	ng	0.00
23) Nitrobenzene-d5	7.451	82	667506	96.343	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	342831	163.048	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1258144	92.500	ng	0.00
79) Terphenyl-d14	12.998	244	1579106	98.531	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	92098	18.198	ng	# 77
25) Isophorone	7.451	82	664192	50.508	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	28336	9.347	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	28331	7.599	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22112	5.069	ng	# 1
77) Benzidine	12.998	184	20342	4.737	ng	# 91

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

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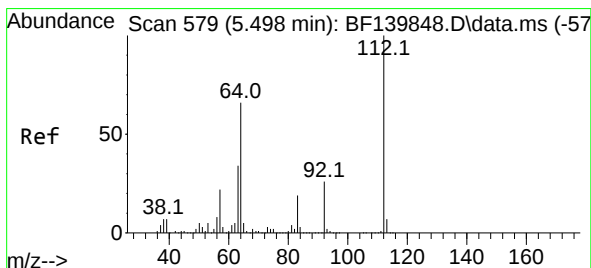
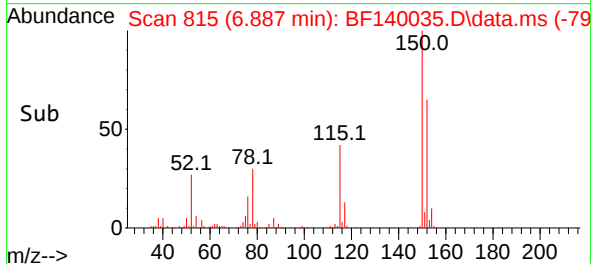
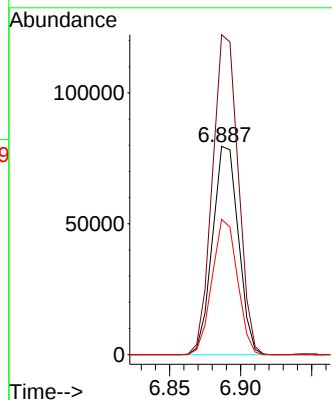
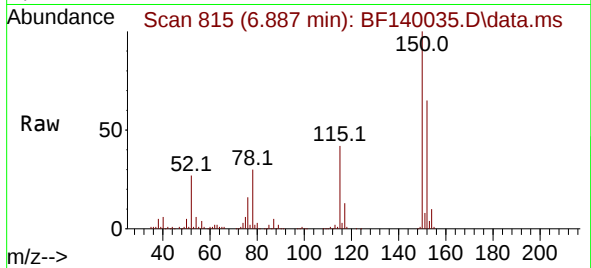




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

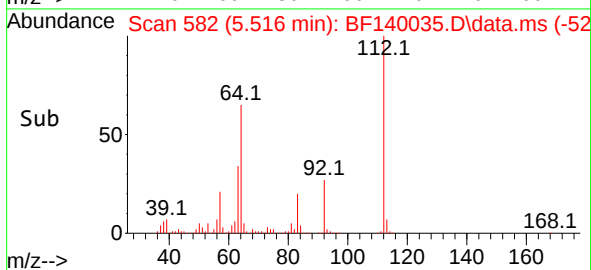
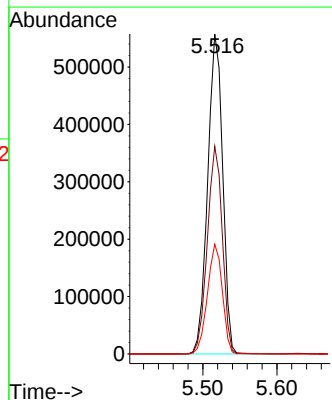
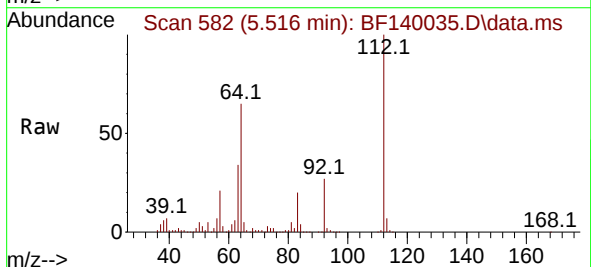
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

Tgt Ion:152 Resp: 100863
Ion Ratio Lower Upper
152 100
150 153.6 130.2 195.2
115 65.0 51.4 77.2



#5
2-Fluorophenol
Concen: 121.895 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

Tgt Ion:112 Resp: 785361
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 34.3 27.0 40.4





#7
Phenol-d6
Concen: 117.664 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

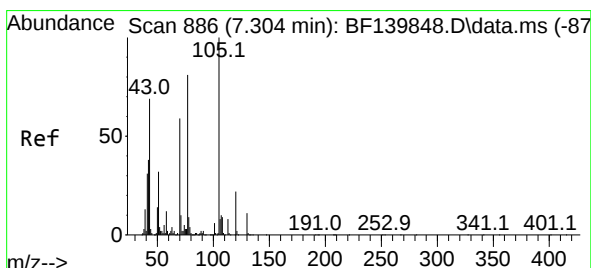
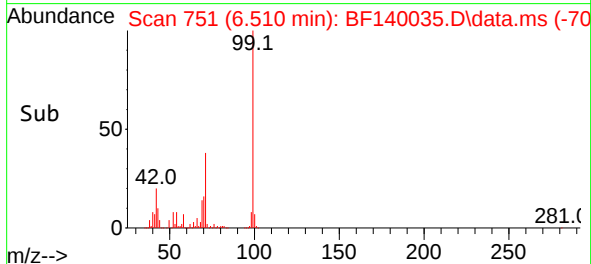
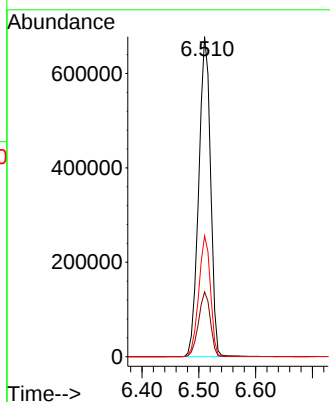
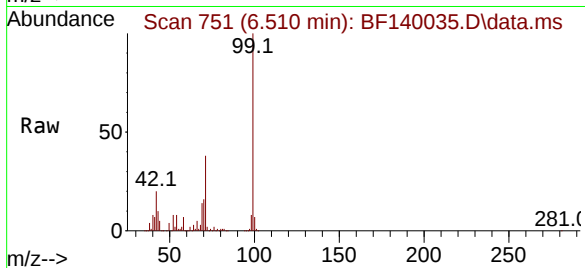
Instrument :

BNA_F

ClientSampleId :

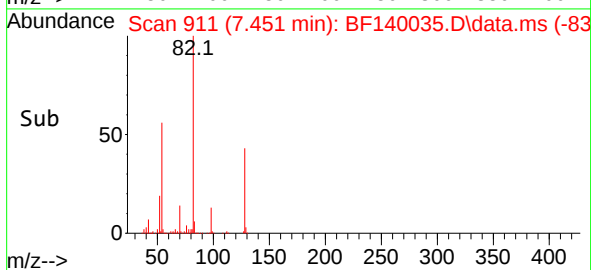
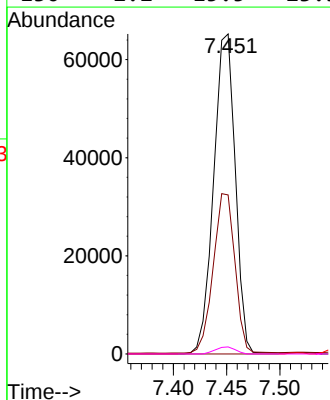
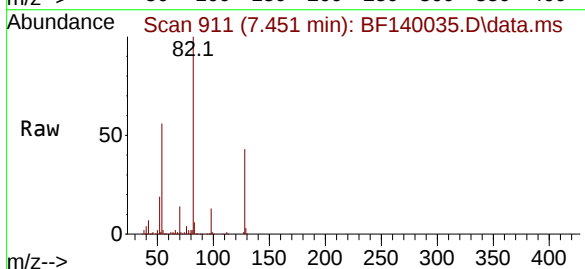
D20241001-01-04

Tgt Ion: 99 Resp: 981858
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 37.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.198 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

Tgt Ion: 70 Resp: 92098
Ion Ratio Lower Upper
70 100
42 49.7 51.5 77.3#
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#



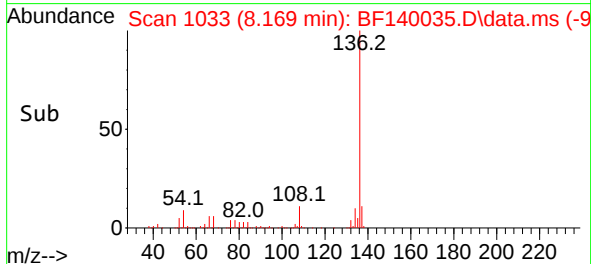
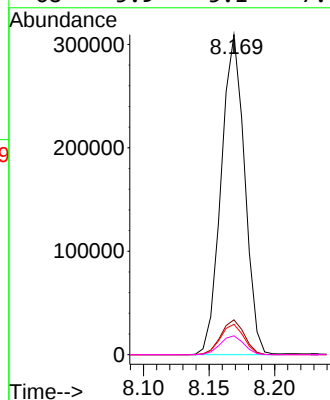
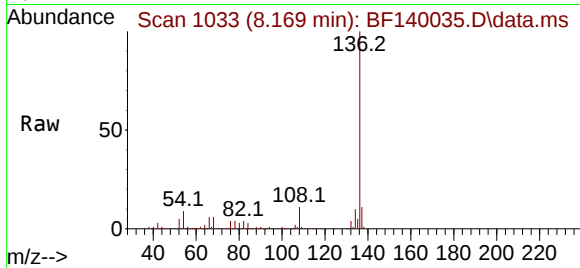


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

Tgt Ion:136 Resp: 383998

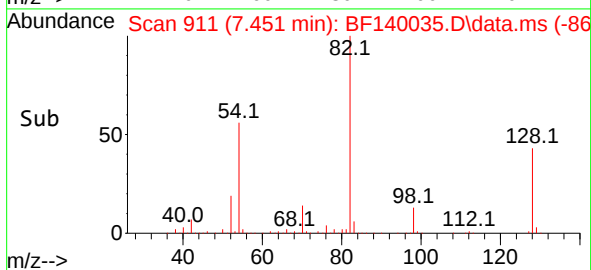
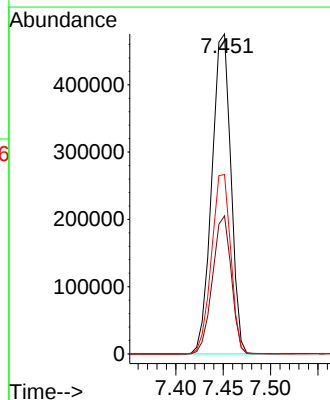
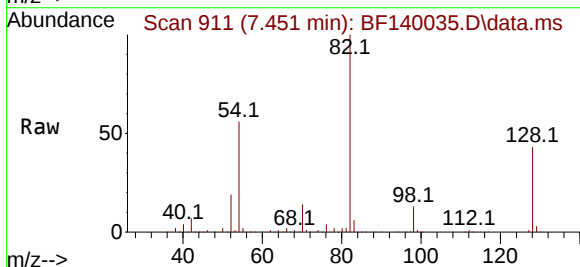
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.5	8.4	12.6
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 96.343 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

Tgt Ion: 82 Resp: 667506

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.4	50.0
54	56.1	47.8	71.8

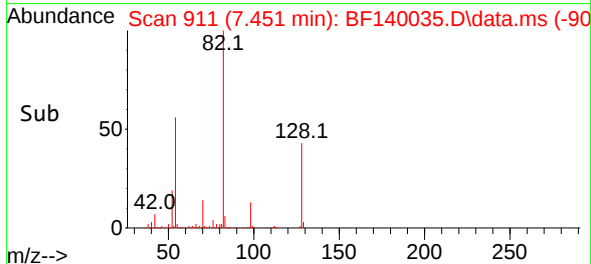
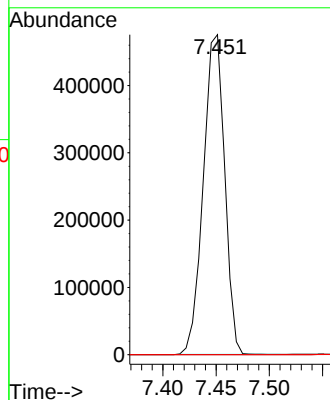
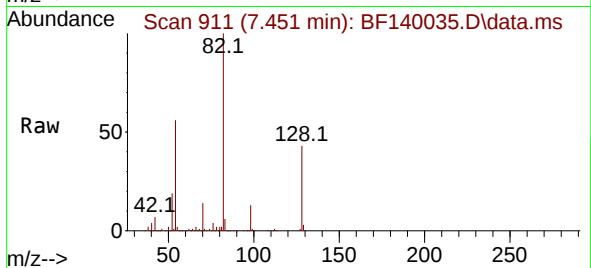




#25
Isophorone
Concen: 50.508 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

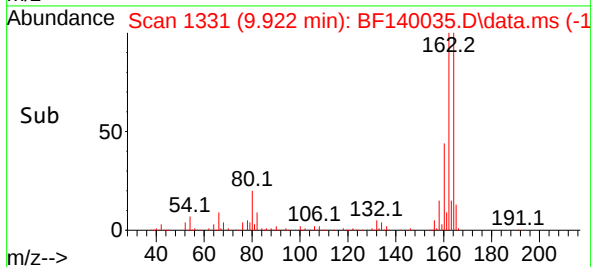
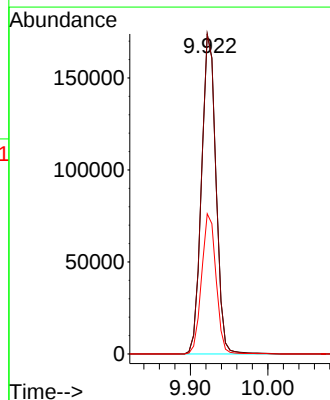
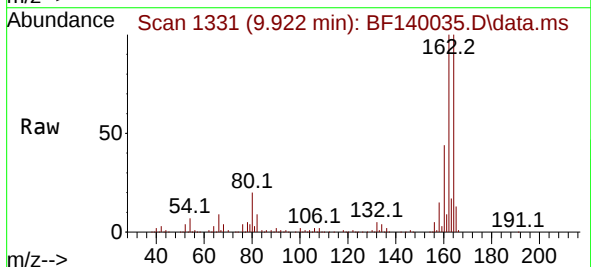
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

Tgt Ion: 82 Resp: 664192
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: BF140035.D
Acq: 25 Oct 2024 14:08

Tgt Ion: 164 Resp: 224792
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 163.048 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140035.D

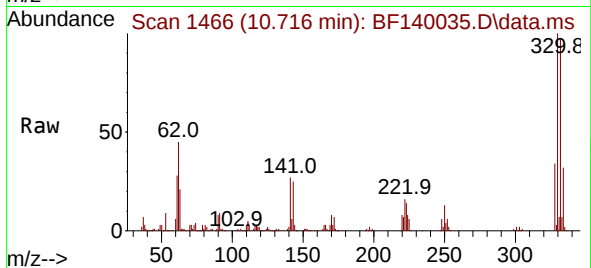
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Instrument :

BNA_F

ClientSampleId :

D20241001-01-04



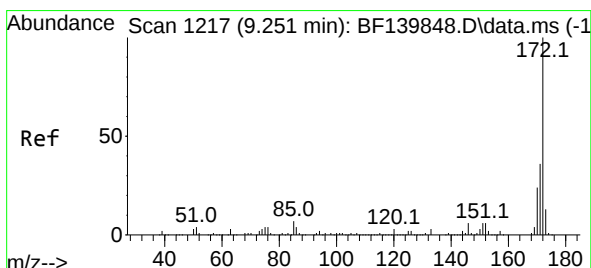
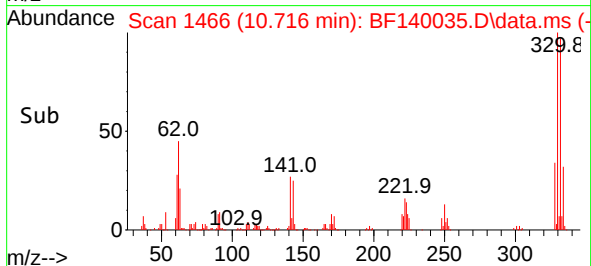
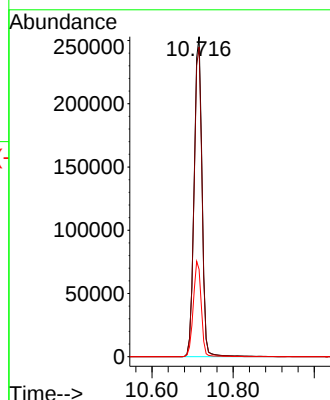
Tgt Ion:330 Resp: 342831

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 29.9 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 92.500 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140035.D

Acq: 25 Oct 2024 14:08

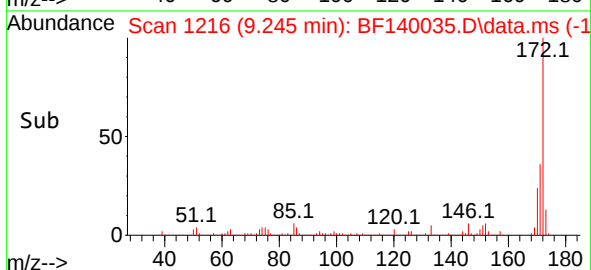
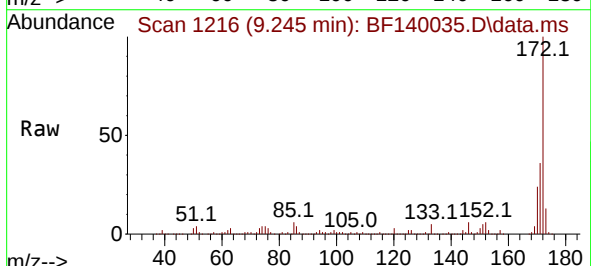
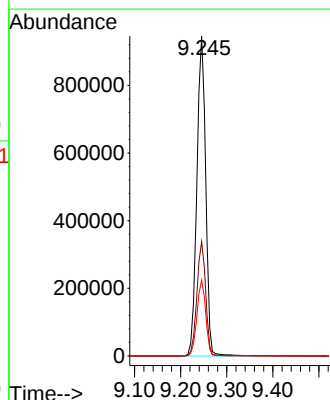
Tgt Ion:172 Resp: 1258144

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.7 19.1 28.7

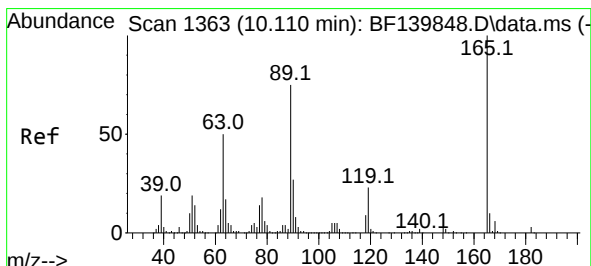
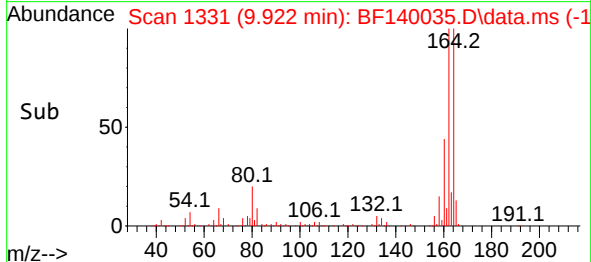
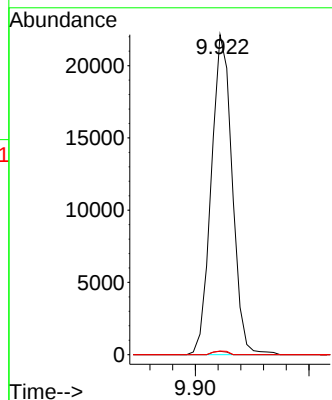
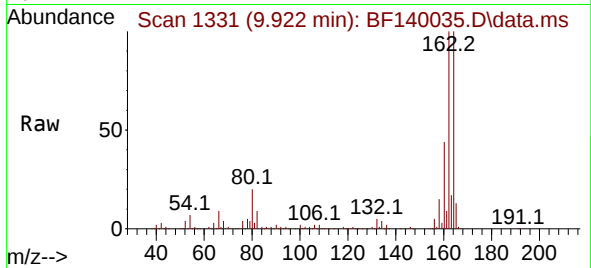




#51
2,6-Dinitrotoluene
Concen: 9.347 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

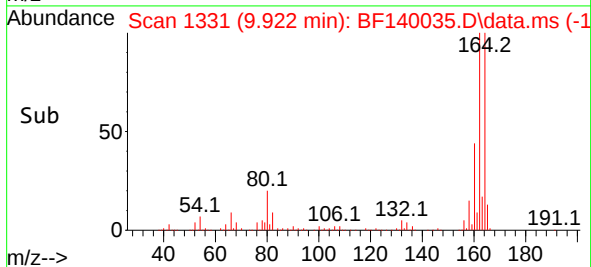
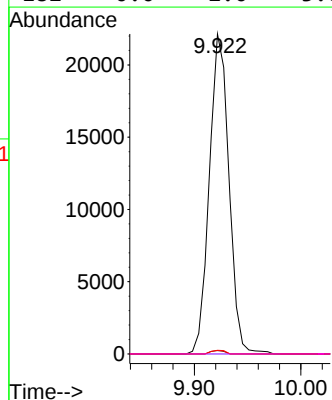
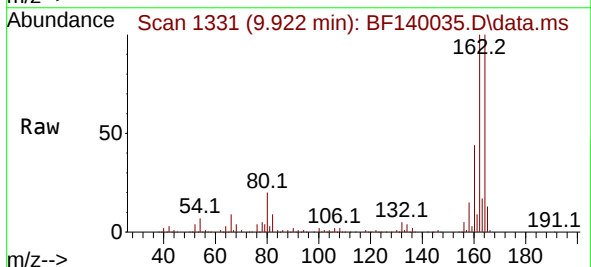
Instrument :
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ClientSampleId :
D20241001-01-04

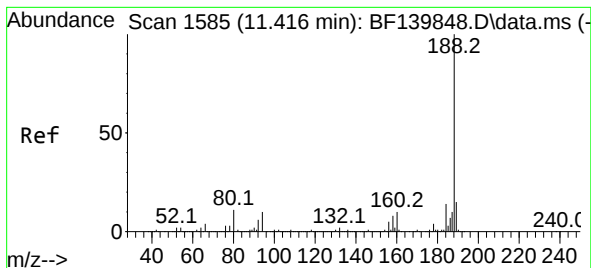
Tgt Ion:165 Resp: 28336
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.599 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140035.D
Acq: 25 Oct 2024 14:08

Tgt Ion:165 Resp: 28331
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.2 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: BF140035.D

Acq: 25 Oct 2024 14:08

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

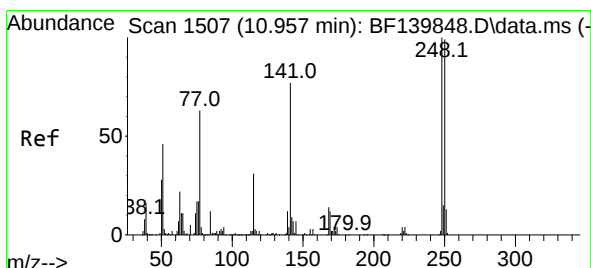
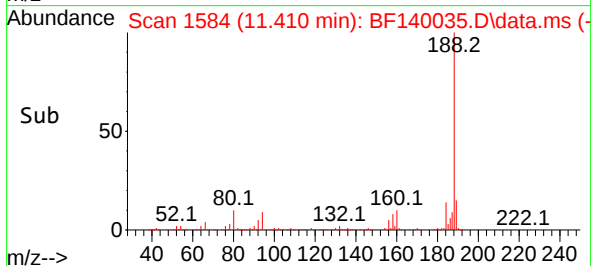
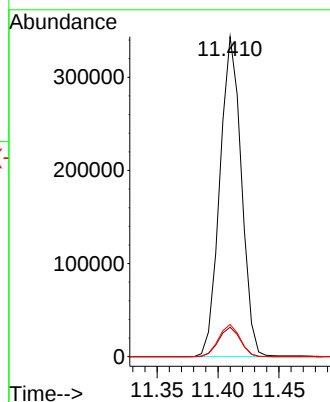
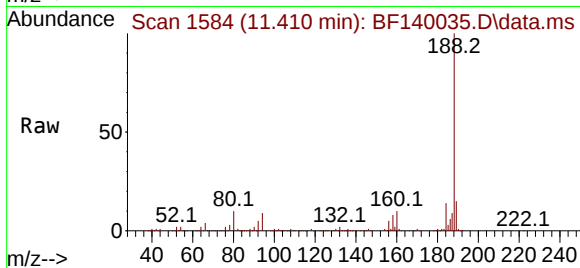
Tgt Ion:188 Resp: 423437

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

80 10.0 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.069 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140035.D

Acq: 25 Oct 2024 14:08

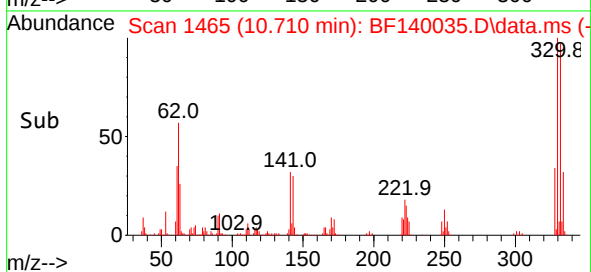
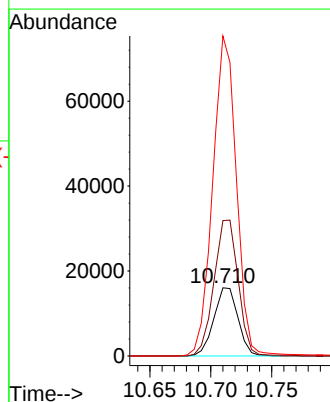
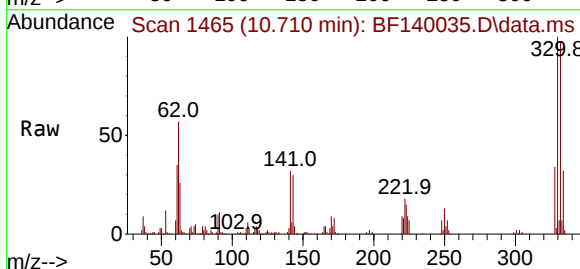
Tgt Ion:248 Resp: 22112

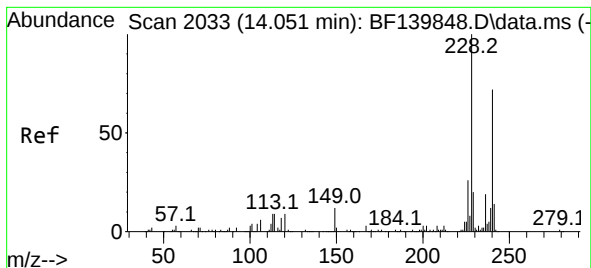
Ion Ratio Lower Upper

248 100

250 198.8 79.0 118.6#

141 469.8 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140035.D

Acq: 25 Oct 2024 14:08

Instrument :

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D20241001-01-04

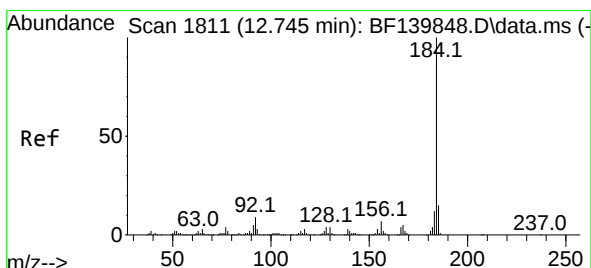
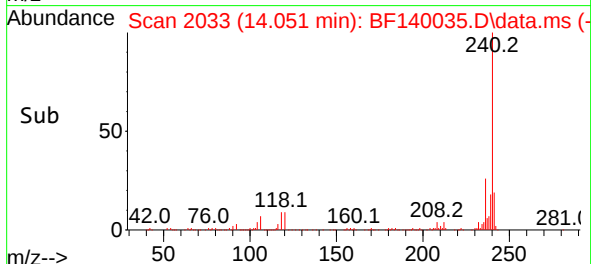
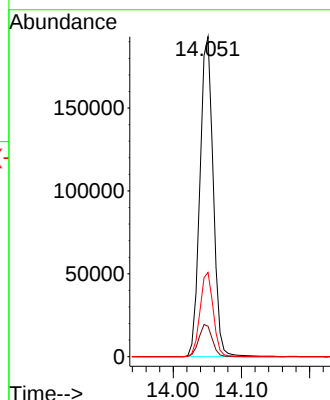
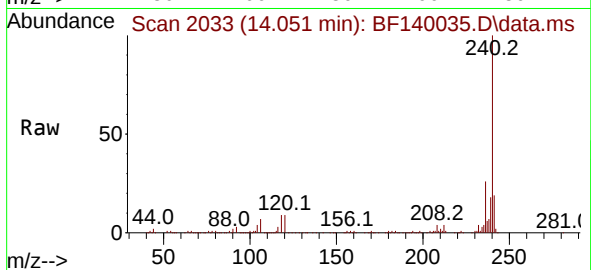
Tgt Ion:240 Resp: 261149

Ion Ratio Lower Upper

240 100

120 9.5 9.4 14.2

236 26.4 20.9 31.3



#77

Benzidine

Concen: 4.737 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140035.D

Acq: 25 Oct 2024 14:08

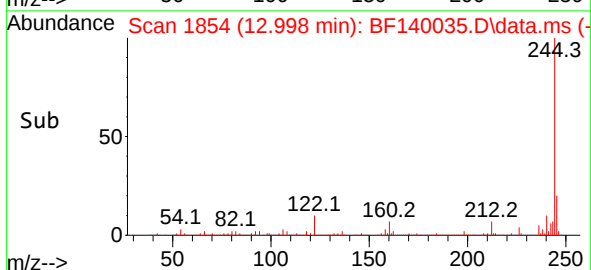
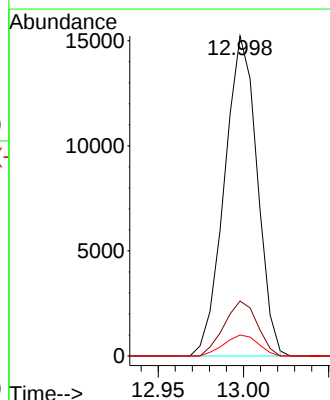
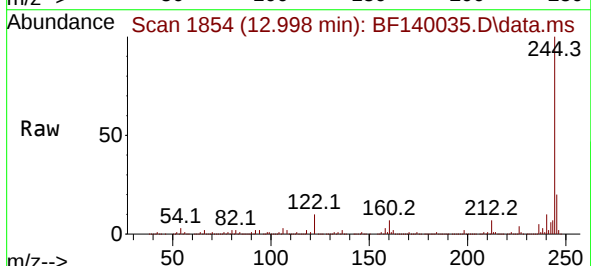
Tgt Ion:184 Resp: 20342

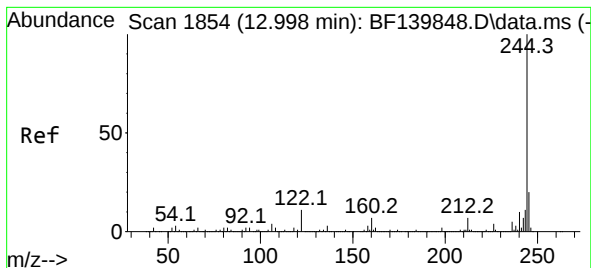
Ion Ratio Lower Upper

184 100

185 17.1 12.0 18.0

183 6.6 9.4 14.2#





#79

Terphenyl-d14

Concen: 98.531 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140035.D

Acq: 25 Oct 2024 14:08

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

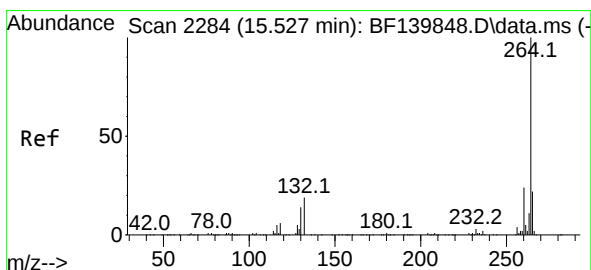
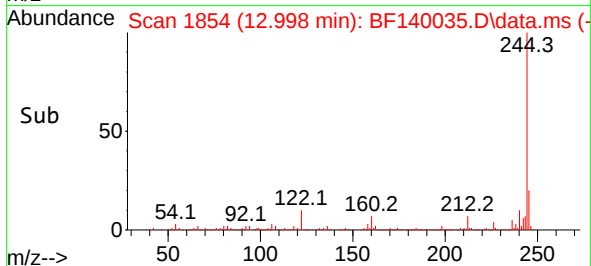
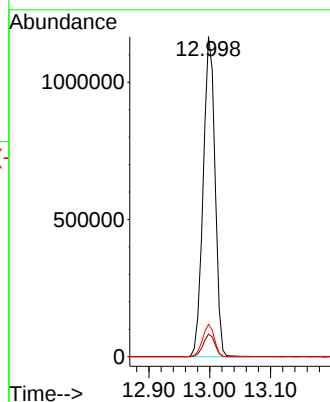
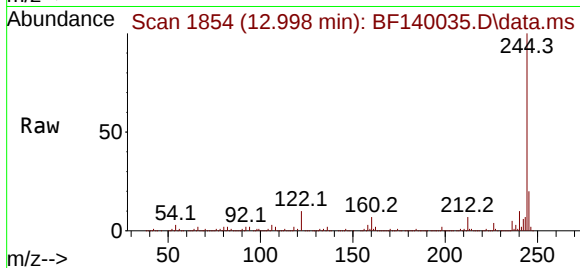
Tgt Ion:244 Resp: 1579106

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 10.1 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: BF140035.D

Acq: 25 Oct 2024 14:08

Tgt Ion:264 Resp: 240822

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.3 17.4 26.0

