

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139030.D
 Acq On : 15 Aug 2024 19:11
 Operator : RC/JU
 Sample : P3580-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-SD-0.5-1-081224

Quant Time: Aug 16 00:27:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

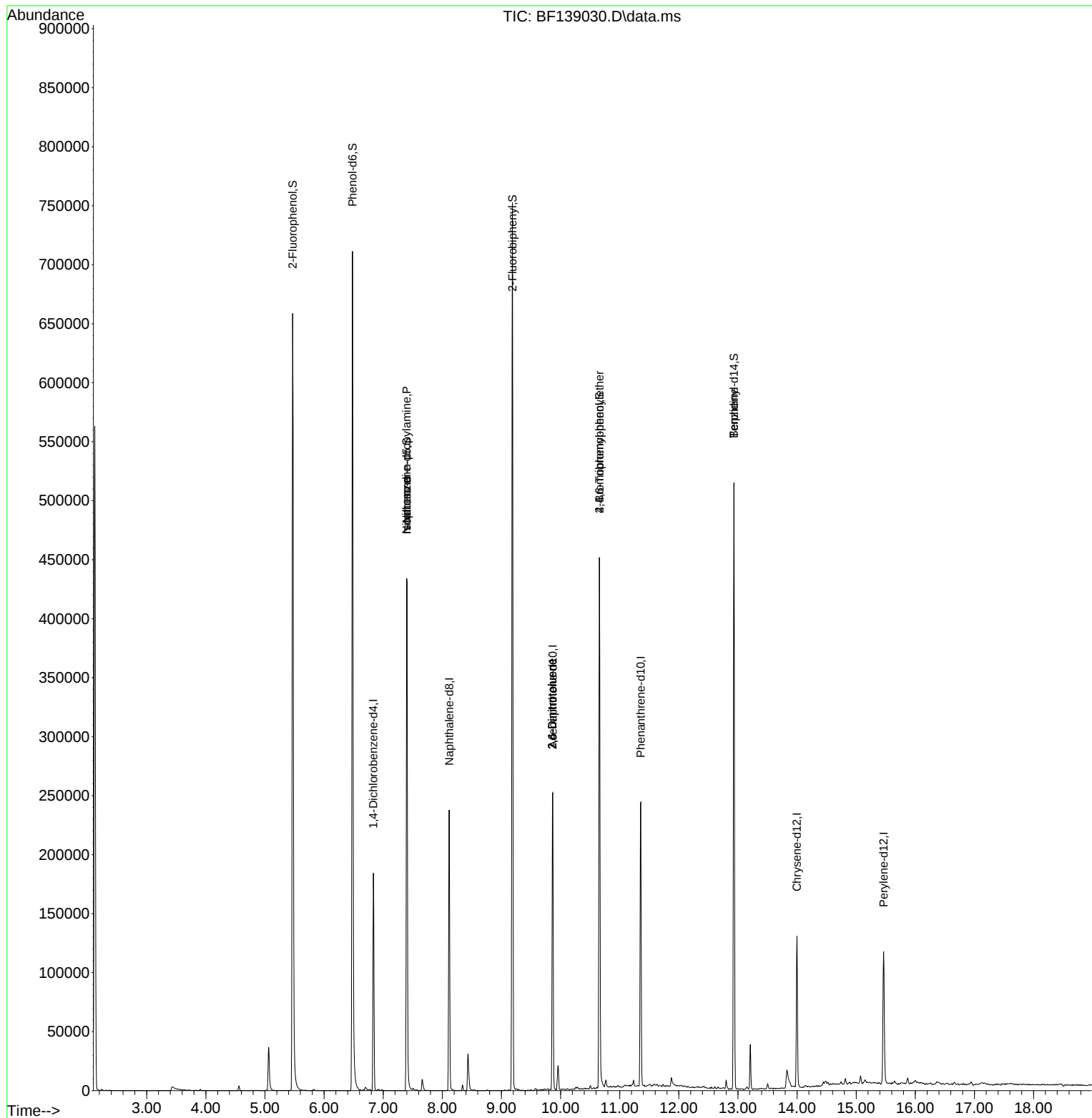
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	33665	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	137336	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	74074	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	126667	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	60762	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	65865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	223930	102.679	ng	0.00
7) Phenol-d6	6.481	99	297562	101.625	ng	0.00
23) Nitrobenzene-d5	7.398	82	188166	66.987	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	60967	100.479	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	302764	61.412	ng	-0.02
79) Terphenyl-d14	12.933	244	222165	61.217	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.398	70	25296	14.304	ng	# 82
25) Isophorone	7.398	82	188164	39.229	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	9823	9.190	ng	# 21
57) 2,4-Dinitrotoluene	9.863	165	9823	7.203	ng	# 17
67) 4-Bromophenyl-phenylether	10.657	248	4456	3.249	ng	# 1
77) Benzidine	12.933	184	3383	2.328	ng	# 92

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

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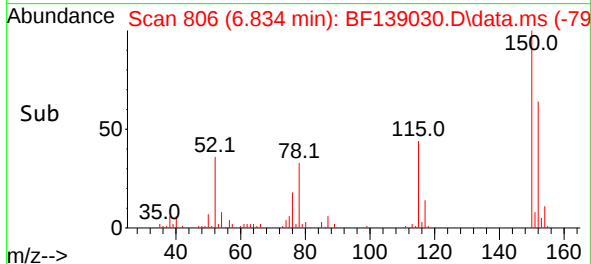
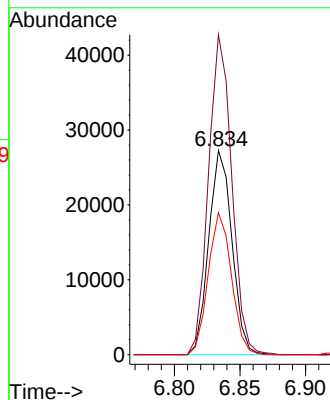
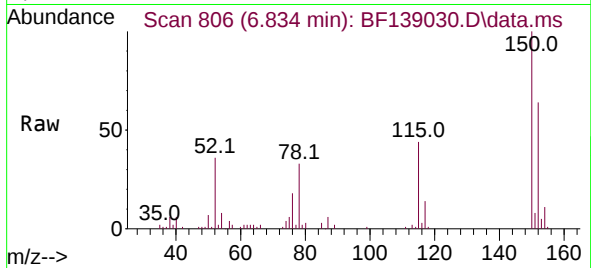




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

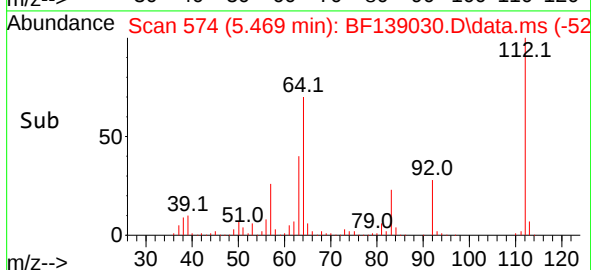
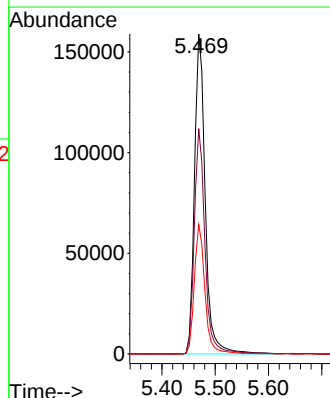
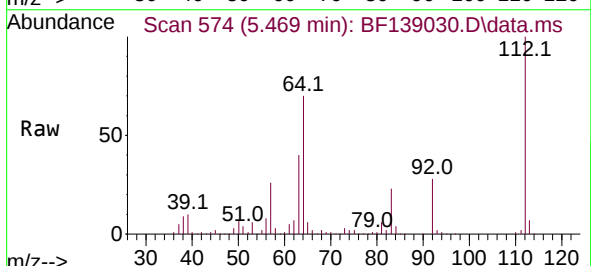
Instrument :
BNA_F
ClientSampleId :
923-K1-SD-0.5-1-081224

Tgt Ion:152 Resp: 33665
Ion Ratio Lower Upper
152 100
150 156.7 126.0 189.0
115 69.6 51.7 77.5



#5
2-Fluorophenol
Concen: 102.679 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

Tgt Ion:112 Resp: 223930
Ion Ratio Lower Upper
112 100
64 70.4 54.2 81.4
63 40.4 28.7 43.1

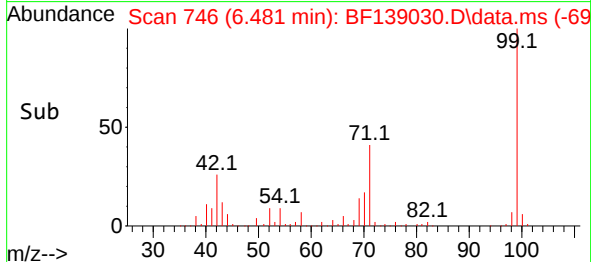
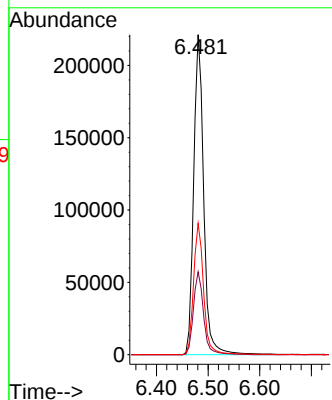
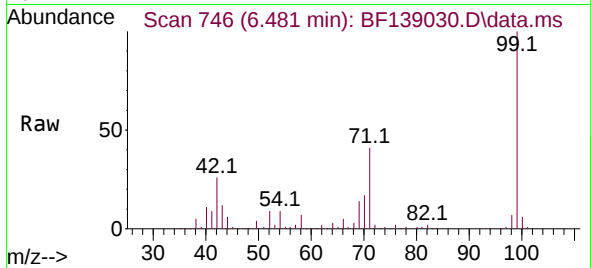




#7
Phenol-d6
Concen: 101.625 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

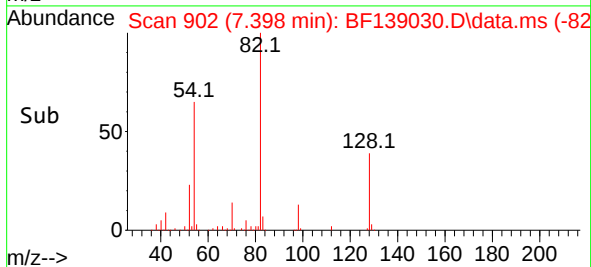
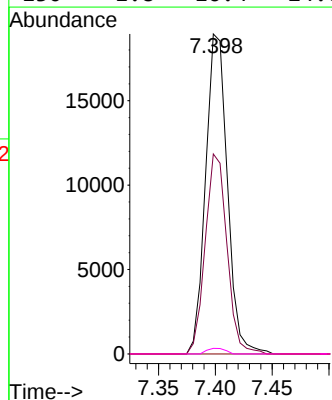
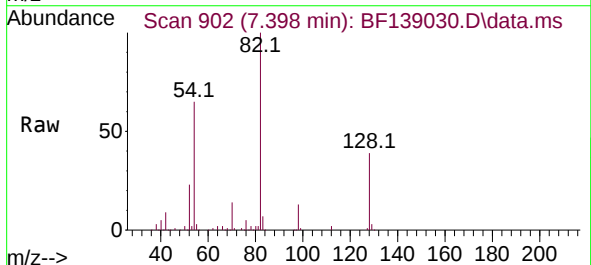
Instrument :
BNA_F
ClientSampleId :
923-K1-SD-0.5-1-081224

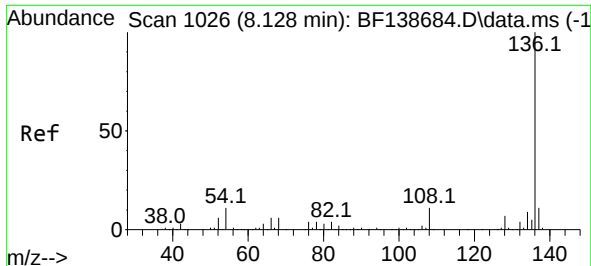
Tgt Ion: 99 Resp: 297562
Ion Ratio Lower Upper
99 100
42 25.9 17.4 26.0
71 41.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 14.304 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

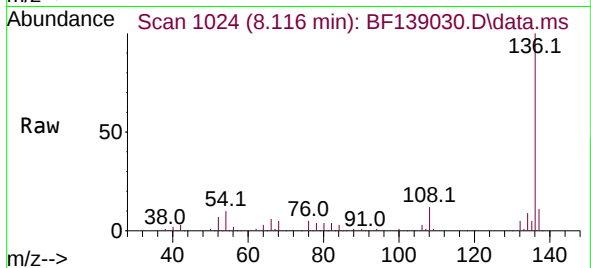
Tgt Ion: 70 Resp: 25296
Ion Ratio Lower Upper
70 100
42 62.5 57.4 86.0
101 0.0 7.5 11.3#
130 1.8 16.4 24.6#



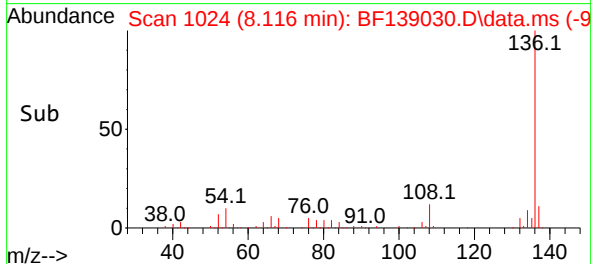
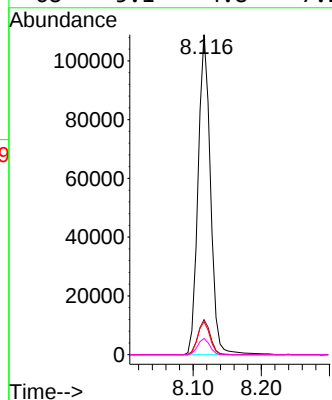


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

Instrument :
BNA_F
ClientSampleId :
923-K1-SD-0.5-1-081224

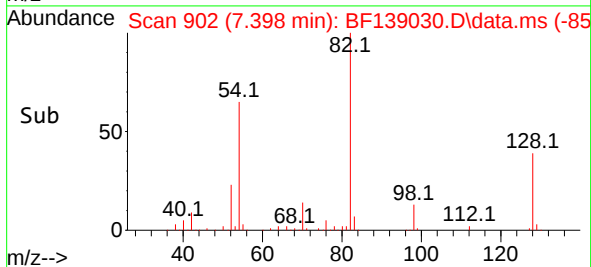
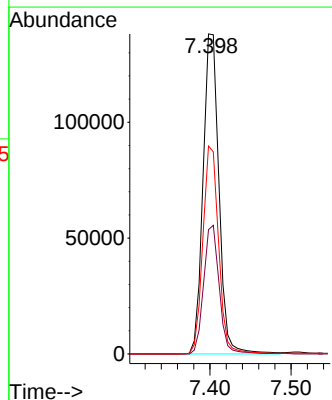
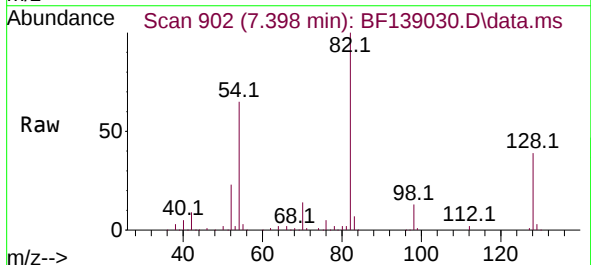


Tgt Ion:136 Resp: 137336
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.3 8.6 12.8
68 5.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 66.987 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

Tgt Ion: 82 Resp: 188166
Ion Ratio Lower Upper
82 100
128 38.8 32.8 49.2
54 65.0 48.3 72.5

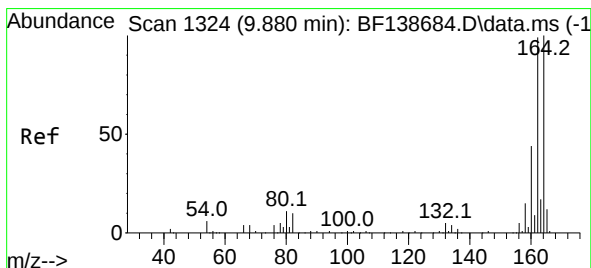
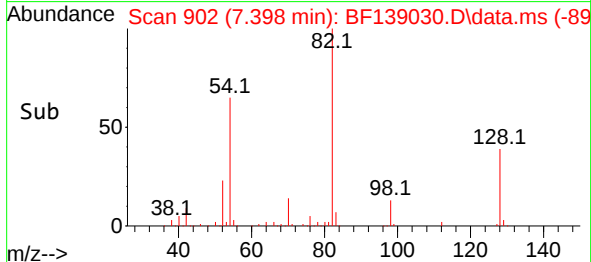
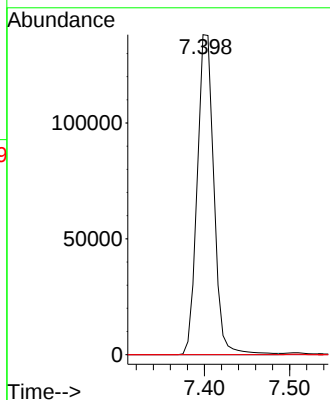
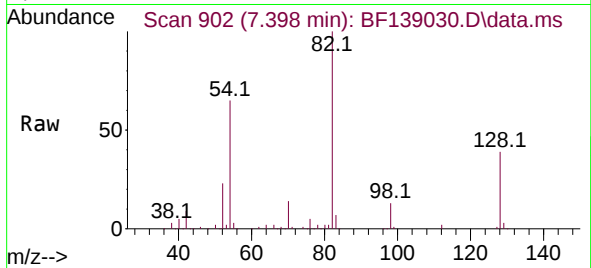




#25
Isophorone
Concen: 39.229 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

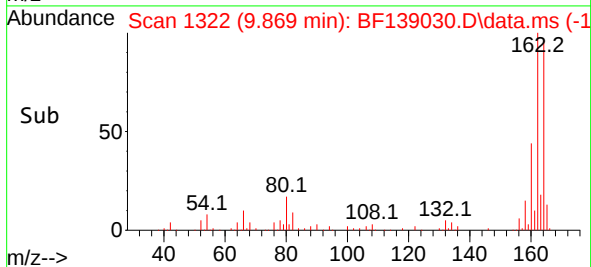
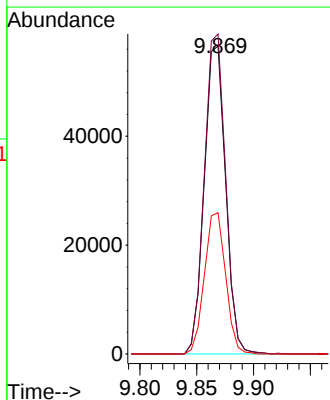
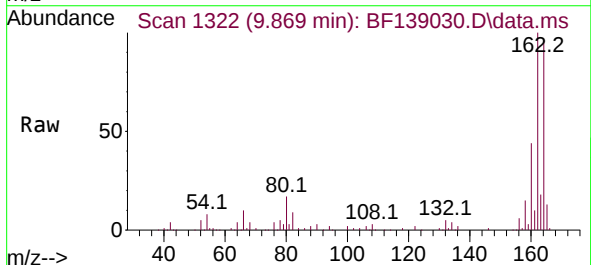
Instrument :
BNA_F
ClientSampleId :
923-K1-SD-0.5-1-081224

Tgt Ion: 82 Resp: 188164
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

Tgt Ion:164 Resp: 74074
Ion Ratio Lower Upper
164 100
162 104.0 79.4 119.0
160 45.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 100.479 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF139030.D

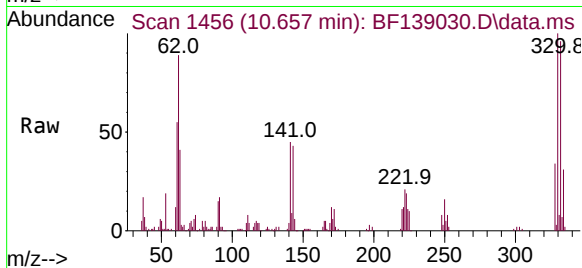
Acq: 15 Aug 2024 19:11

Instrument :

BNA_F

ClientSampleId :

923-K1-SD-0.5-1-081224



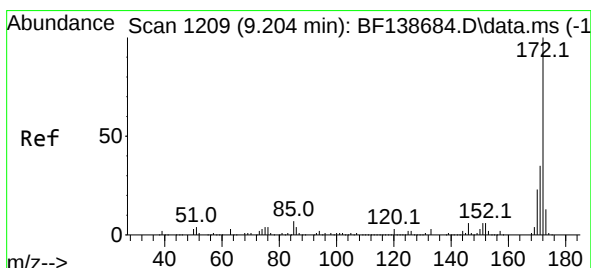
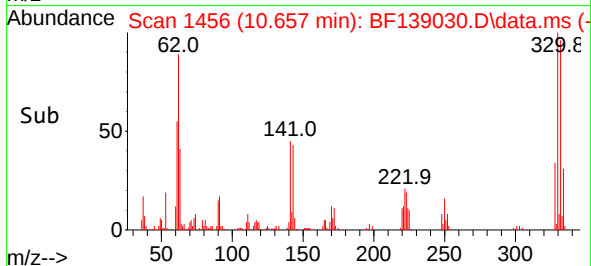
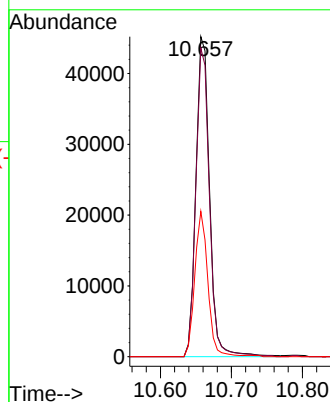
Tgt Ion:330 Resp: 60967

Ion Ratio Lower Upper

330 100

332 95.7 76.4 114.6

141 43.1 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 61.412 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139030.D

Acq: 15 Aug 2024 19:11

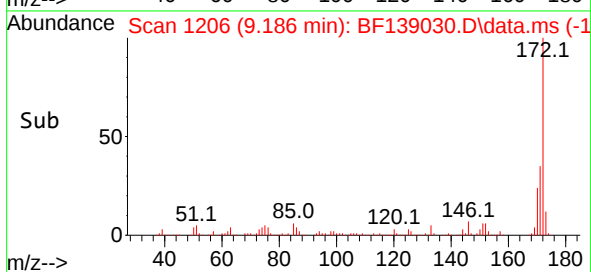
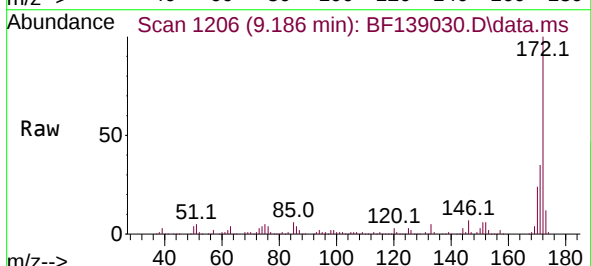
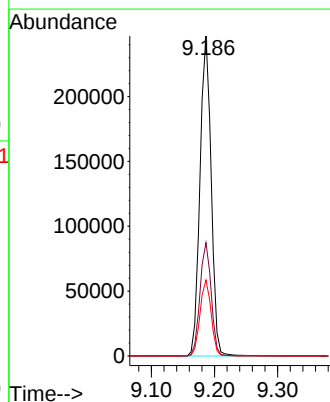
Tgt Ion:172 Resp: 302764

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.7 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.190 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF139030.D

Acq: 15 Aug 2024 19:11

Instrument :

BNA_F

ClientSampleId :

923-K1-SD-0.5-1-081224

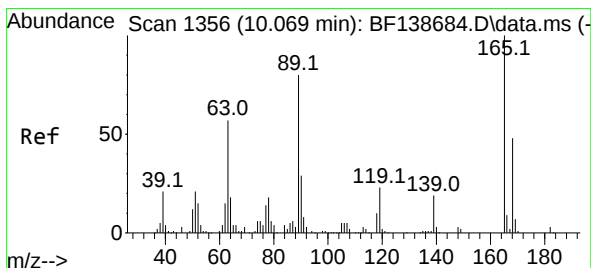
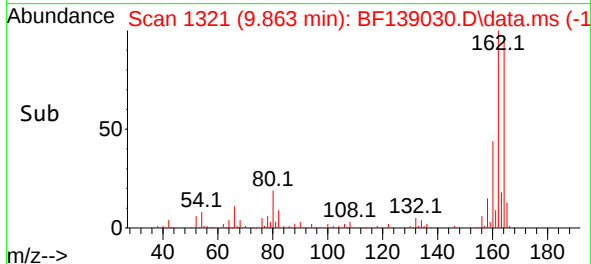
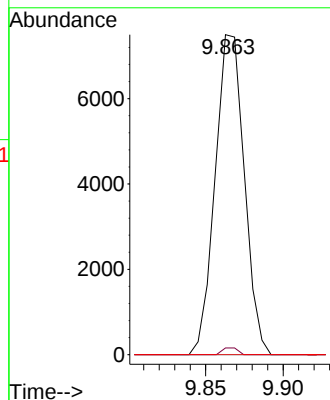
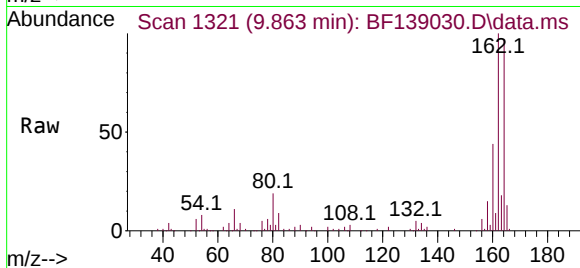
Tgt Ion:165 Resp: 9823

Ion Ratio Lower Upper

165 100

63 2.1 52.0 78.0#

89 0.0 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 7.203 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.206 min

Lab File: BF139030.D

Acq: 15 Aug 2024 19:11

Tgt Ion:165 Resp: 9823

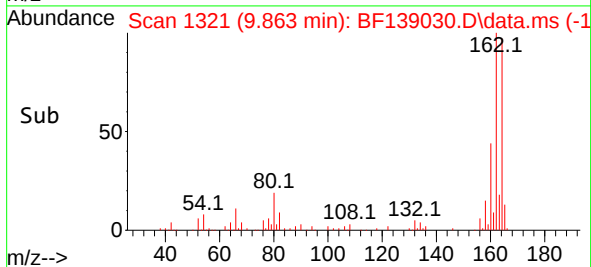
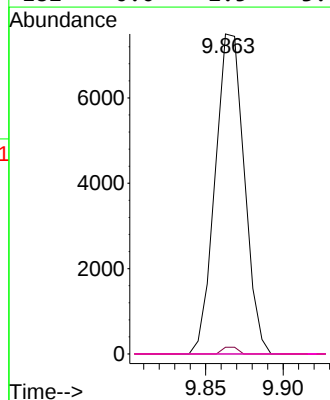
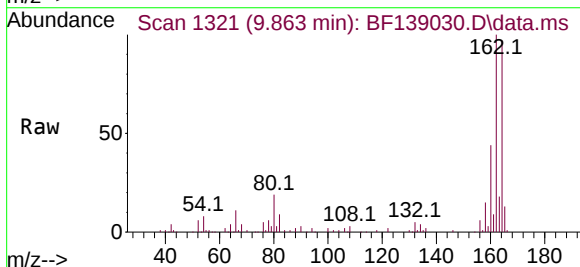
Ion Ratio Lower Upper

165 100

63 2.1 46.3 69.5#

89 0.0 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139030.D

Acq: 15 Aug 2024 19:11

Instrument :

BNA_F

ClientSampleId :

923-K1-SD-0.5-1-081224

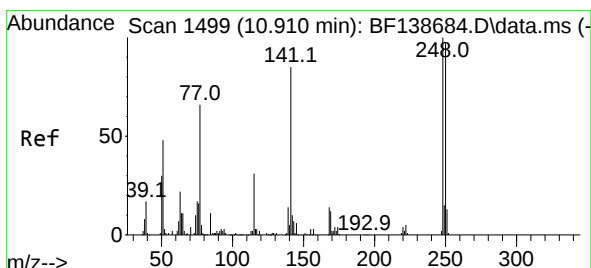
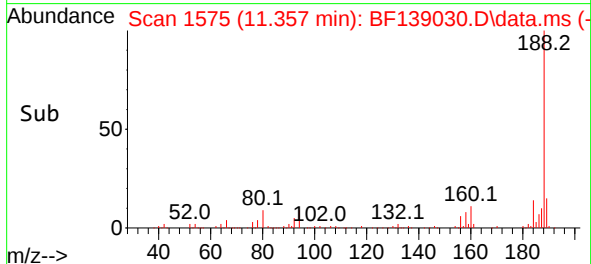
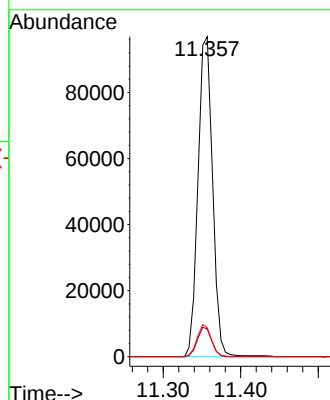
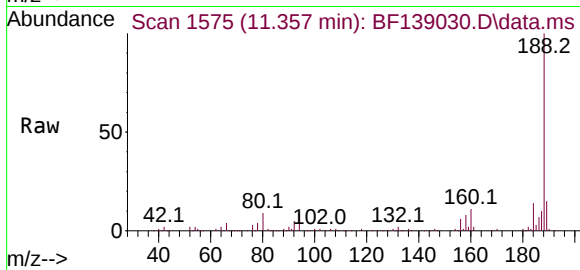
Tgt Ion:188 Resp: 126667

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.1 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.249 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139030.D

Acq: 15 Aug 2024 19:11

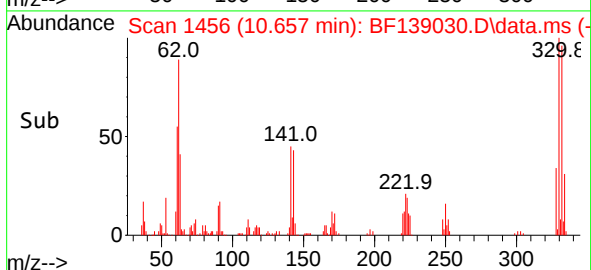
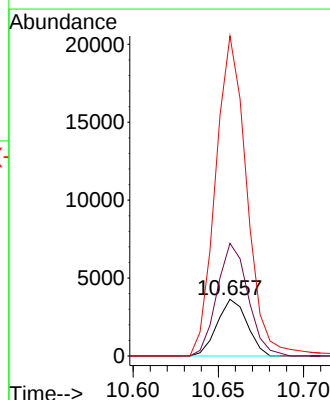
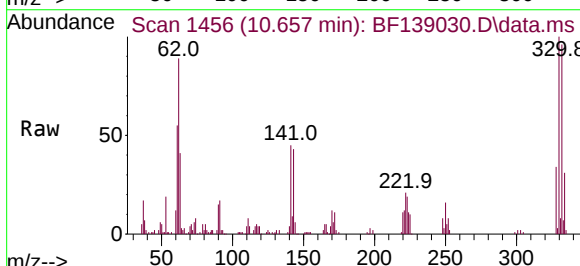
Tgt Ion:248 Resp: 4456

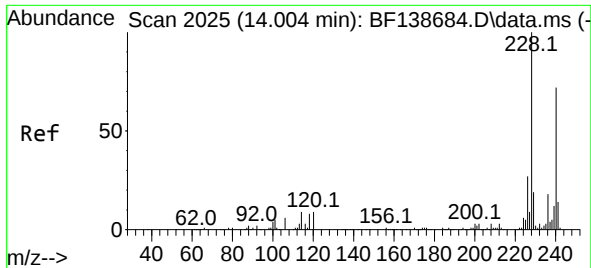
Ion Ratio Lower Upper

248 100

250 199.0 77.7 116.5#

141 565.6 68.0 102.0#

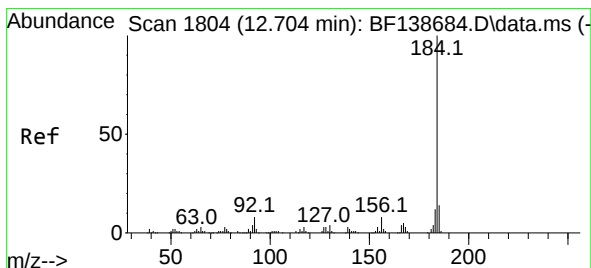
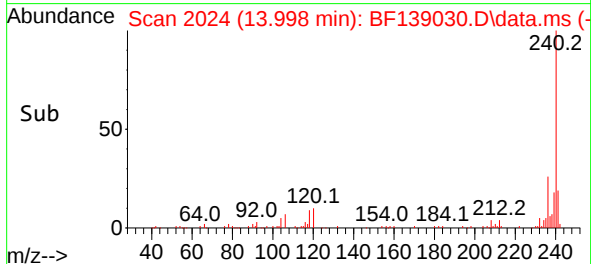
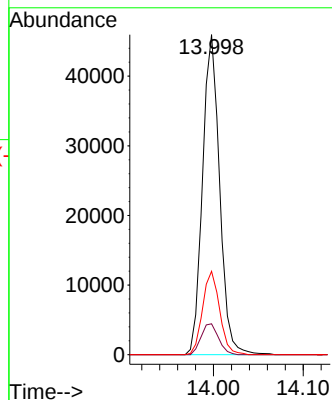
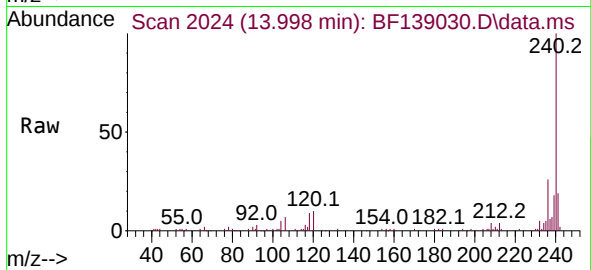




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

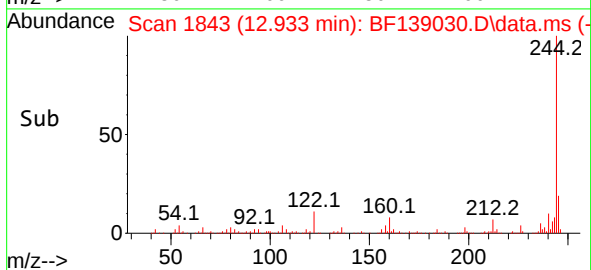
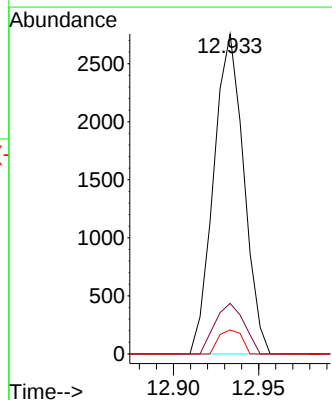
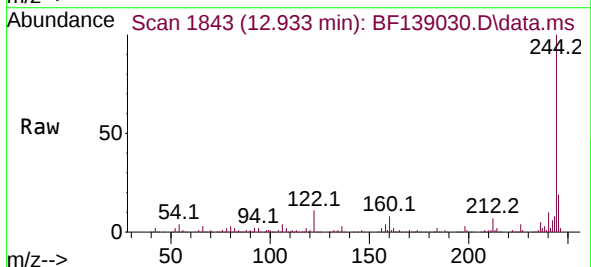
Instrument :
BNA_F
ClientSampleId :
923-K1-SD-0.5-1-081224

Tgt Ion:240 Resp: 60762
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4#
236 26.1 19.8 29.8



#77
Benzidine
Concen: 2.328 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.229 min
Lab File: BF139030.D
Acq: 15 Aug 2024 19:11

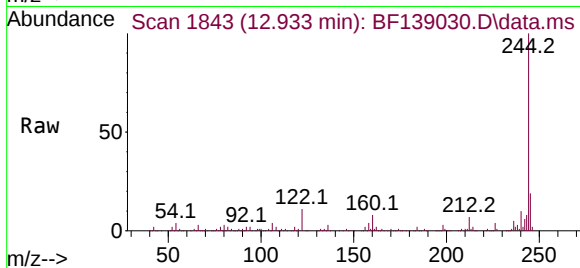
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Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 7.5 9.6 14.4#



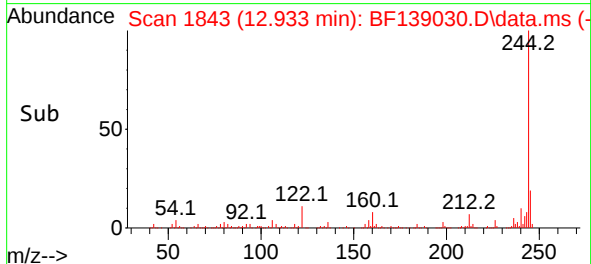
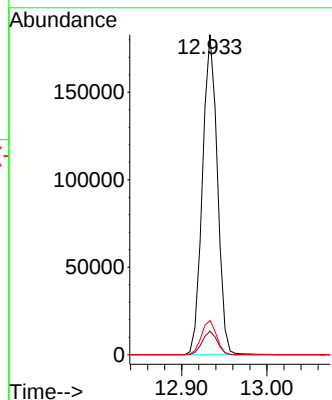


#79
 Terphenyl-d14
 Concen: 61.217 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: BF139030.D
 Acq: 15 Aug 2024 19:11

Instrument :
 BNA_F
 ClientSampleId :
 923-K1-SD-0.5-1-081224



Tgt Ion:244 Resp: 222165
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 10.6 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF139030.D
 Acq: 15 Aug 2024 19:11

Tgt Ion:264 Resp: 65865
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.0 28.6
 265 22.4 17.0 25.6

