

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100724\
 Data File : BF139698.D
 Acq On : 07 Oct 2024 20:50
 Operator : RC/JU
 Sample : P4288-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-100324

Quant Time: Oct 08 01:14:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

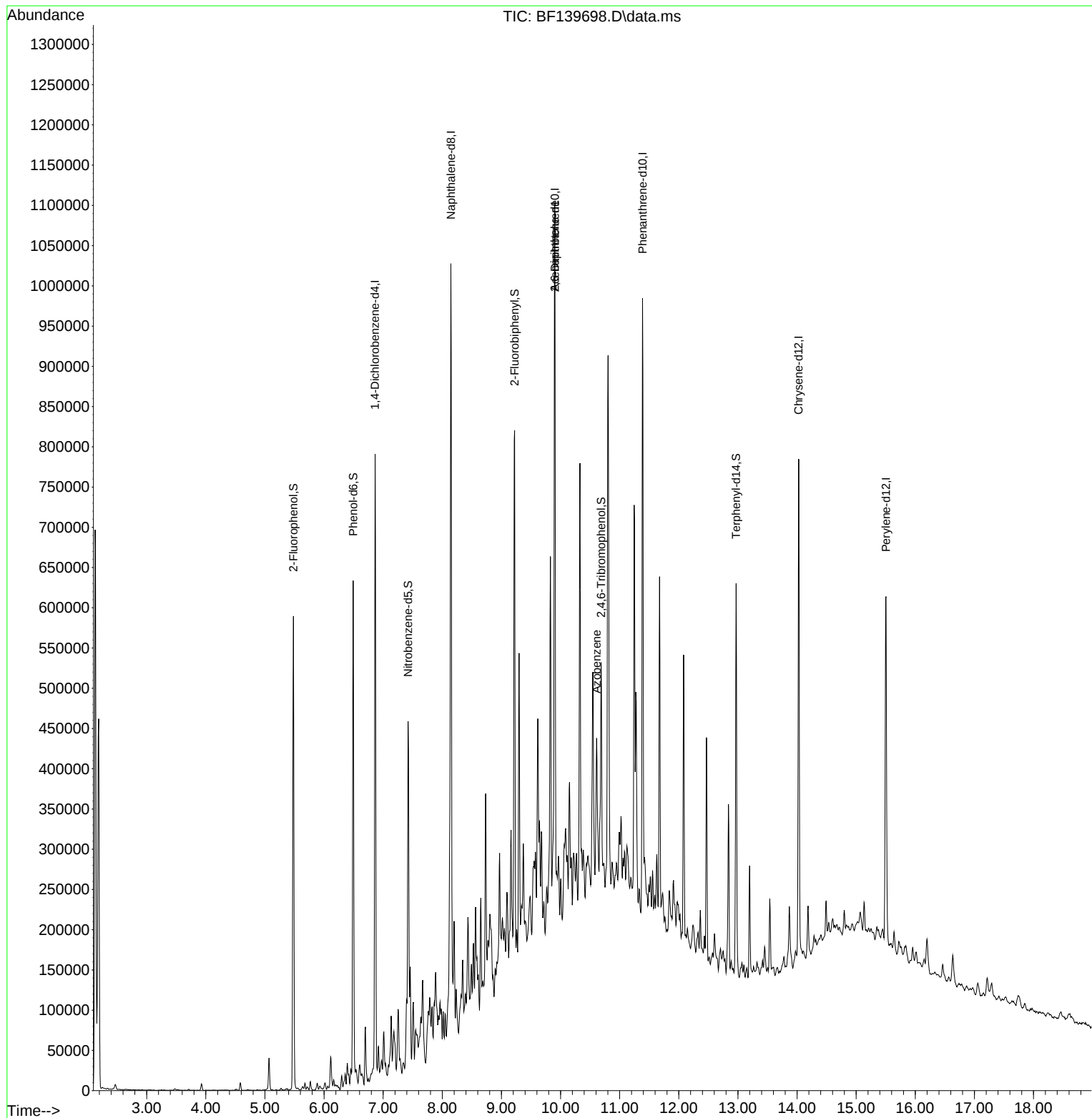
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	149015	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	538894	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	262491	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	386351	20.000	ng	0.00
76) Chrysene-d12	14.027	240	284696	20.000	ng	0.00
86) Perylene-d12	15.504	264	256453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	201333	23.418	ng	0.00
7) Phenol-d6	6.493	99	267282	23.118	ng	-0.01
23) Nitrobenzene-d5	7.422	82	171411	16.104	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	44407	17.525	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	287953	16.841	ng	0.00
79) Terphenyl-d14	12.969	244	218890	12.616	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	37107	9.560	ng	# 19
63) Azobenzene	10.610	77	45725	2.562	ng	# 1

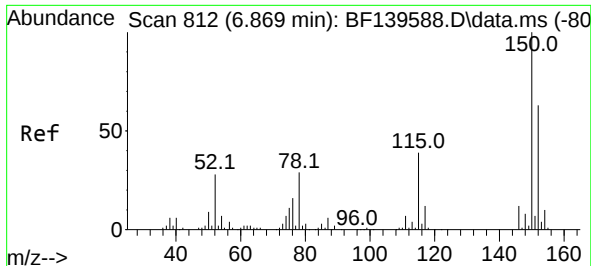
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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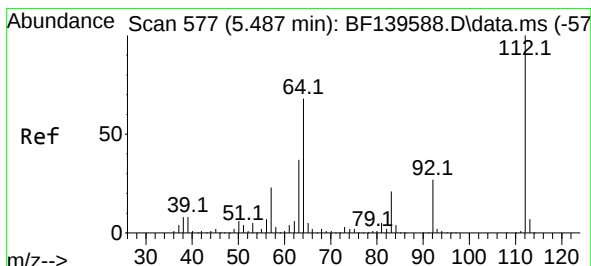
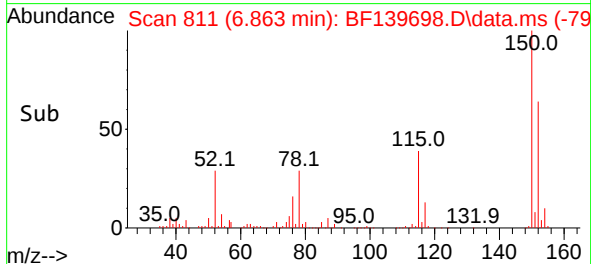
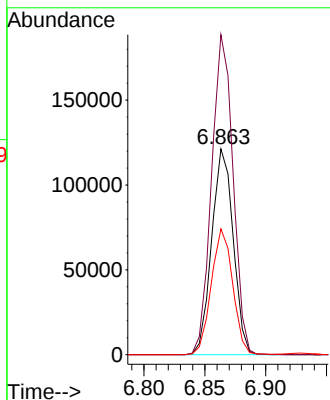
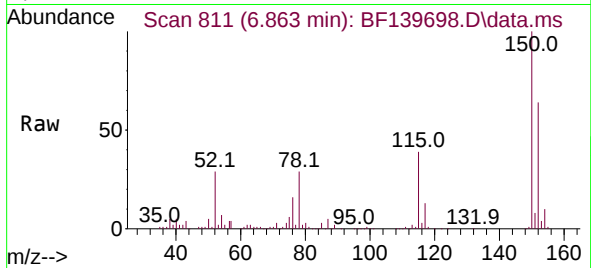




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139698.D
Acq: 07 Oct 2024 20:50

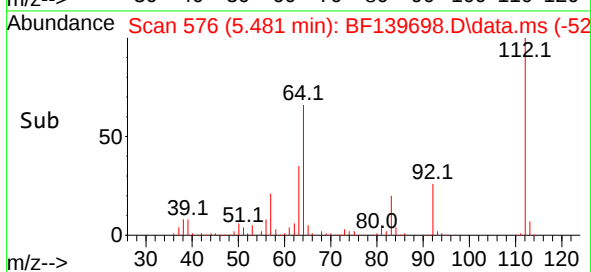
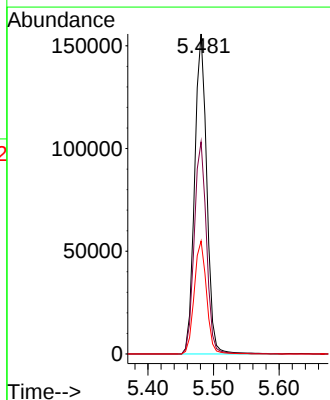
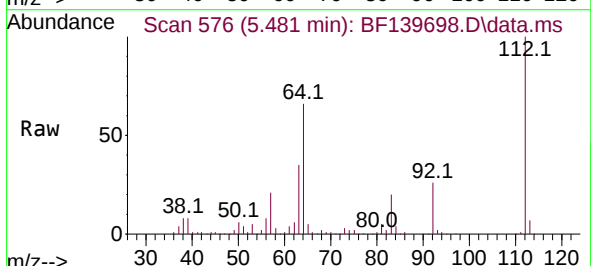
Instrument :
BNA_F
ClientSampleId :
HR-02-100324

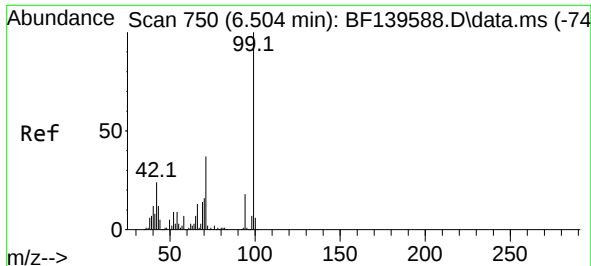
Tgt Ion:152 Resp: 149015
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 61.1 49.0 73.4



#5
2-Fluorophenol
Concen: 23.418 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139698.D
Acq: 07 Oct 2024 20:50

Tgt Ion:112 Resp: 201333
Ion Ratio Lower Upper
112 100
64 66.3 54.2 81.4
63 35.3 29.4 44.2

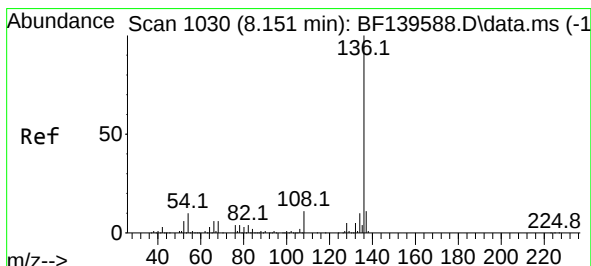
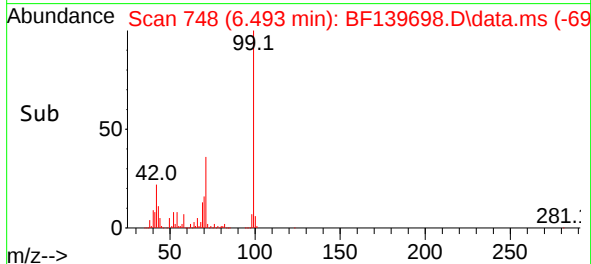
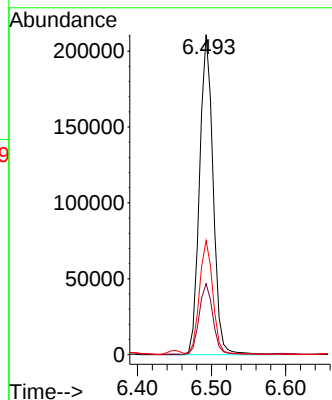
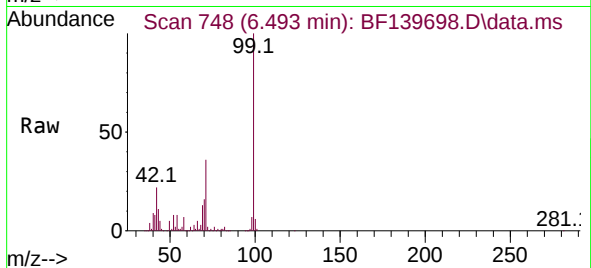




#7
Phenol-d6
Concen: 23.118 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139698.D
Acq: 07 Oct 2024 20:50

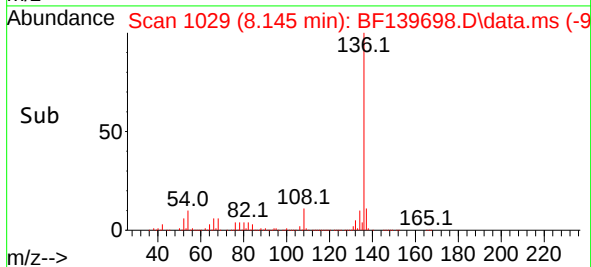
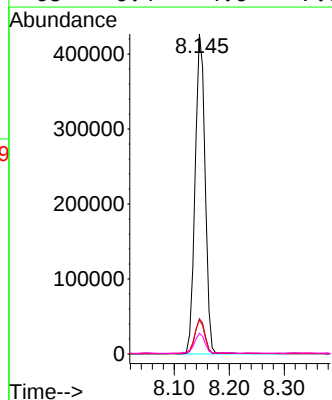
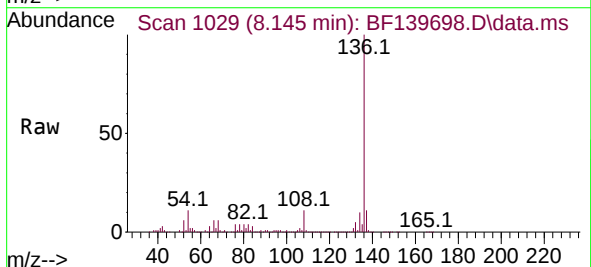
Instrument :
BNA_F
ClientSampleId :
HR-02-100324

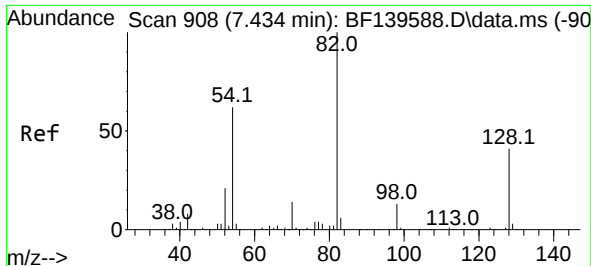
Tgt Ion: 99 Resp: 267282
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 35.7 29.7 44.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139698.D
Acq: 07 Oct 2024 20:50

Tgt Ion: 136 Resp: 538894
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.6 8.3 12.5
68 6.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 16.104 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

HR-02-100324

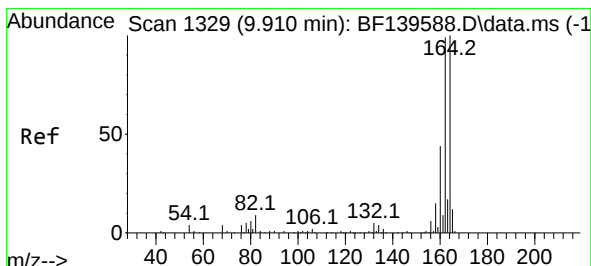
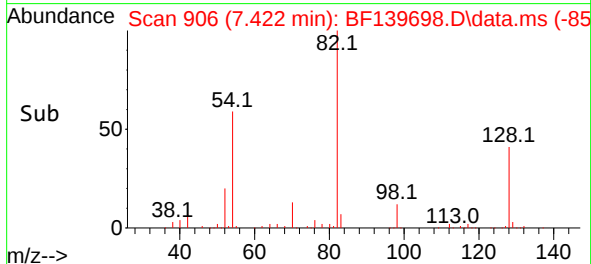
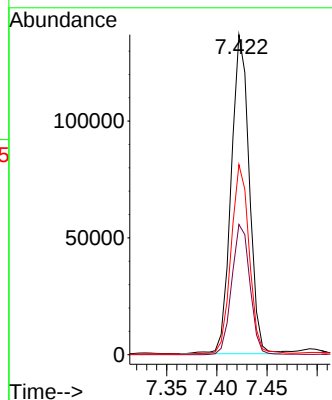
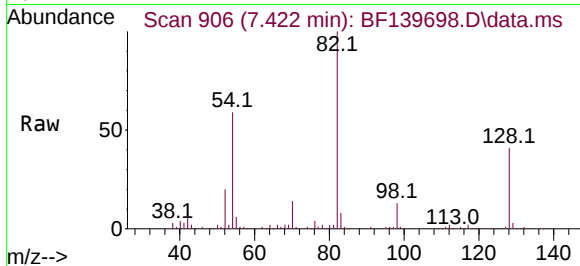
Tgt Ion: 82 Resp: 171411

Ion Ratio Lower Upper

82 100

128 40.7 32.4 48.6

54 59.4 49.1 73.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

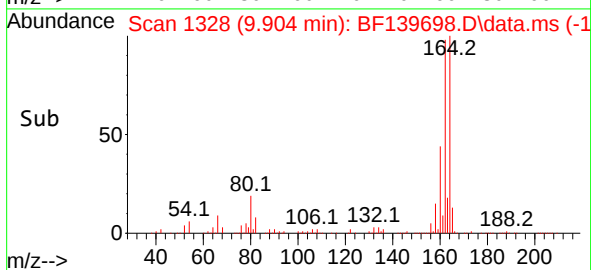
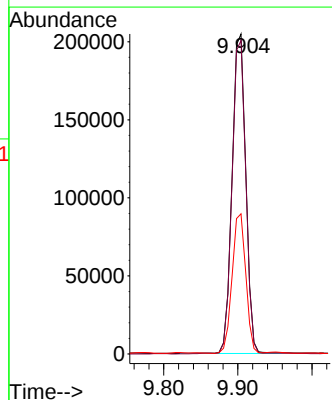
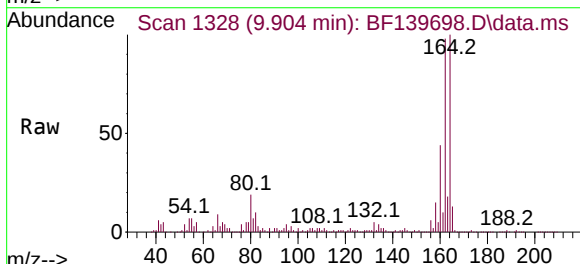
Tgt Ion: 164 Resp: 262491

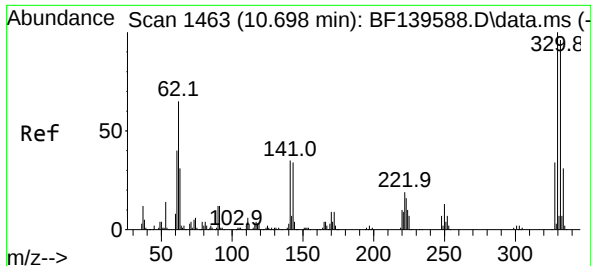
Ion Ratio Lower Upper

164 100

162 98.0 79.4 119.0

160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 17.525 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139698.D

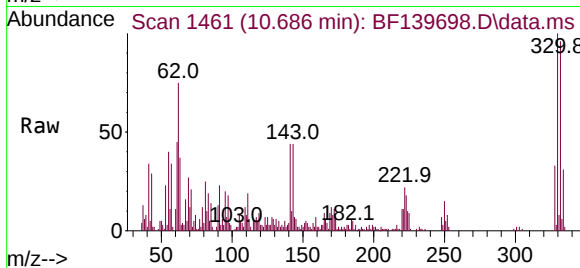
Acq: 07 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

HR-02-100324



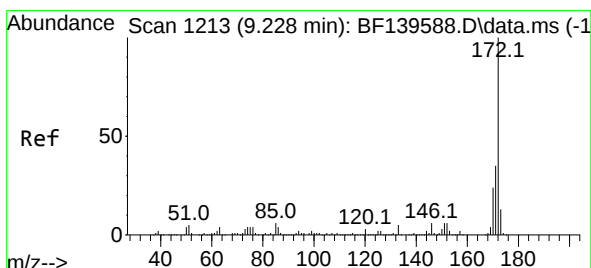
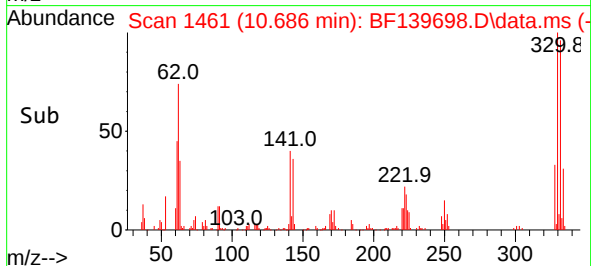
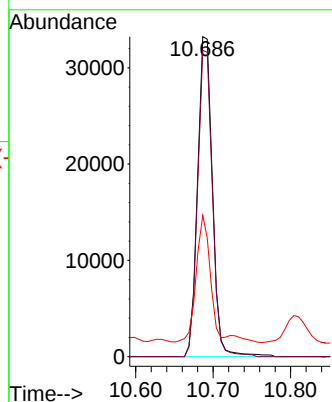
Tgt Ion:330 Resp: 44407

Ion Ratio Lower Upper

330 100

332 94.8 76.5 114.7

141 36.9 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 16.841 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

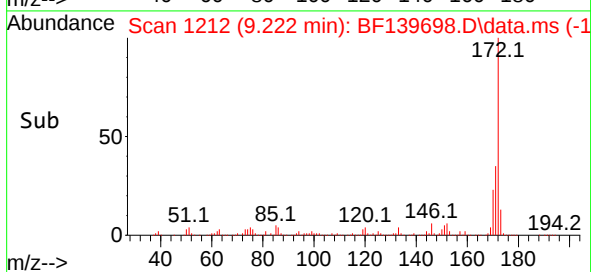
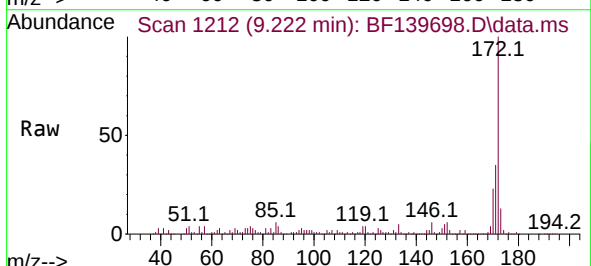
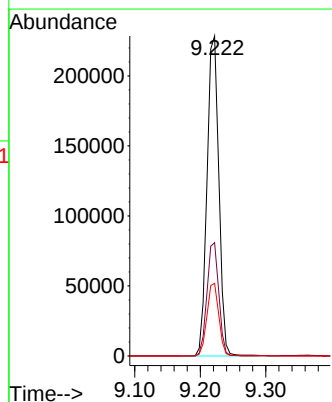
Tgt Ion:172 Resp: 287953

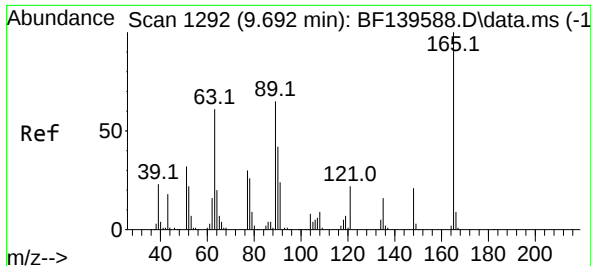
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.7 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.560 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

Instrument :

BNA_F

ClientSampleId :

HR-02-100324

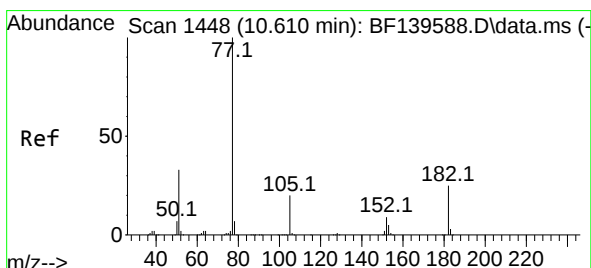
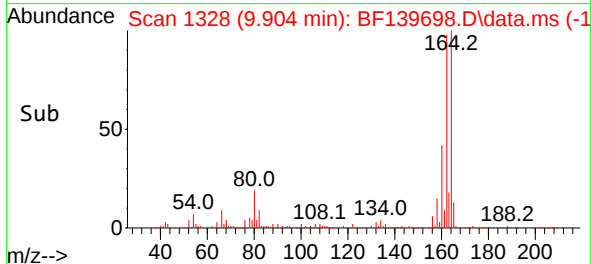
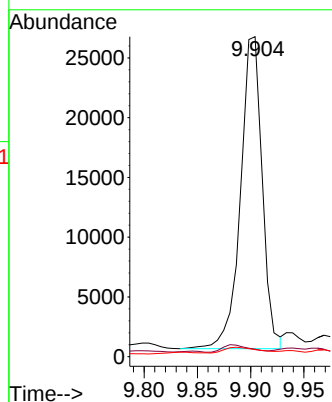
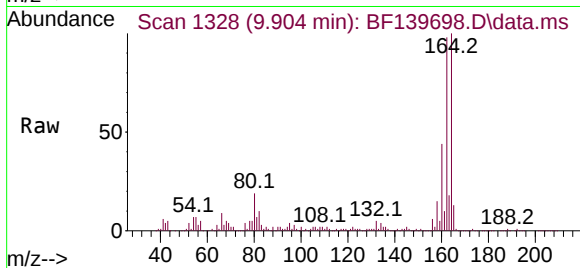
Tgt Ion:165 Resp: 37107

Ion Ratio Lower Upper

165 100

63 2.3 56.7 85.1#

89 2.2 51.6 77.4#



#63

Azobenzene

Concen: 2.562 ng

RT: 10.610 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

Tgt Ion: 77 Resp: 45725

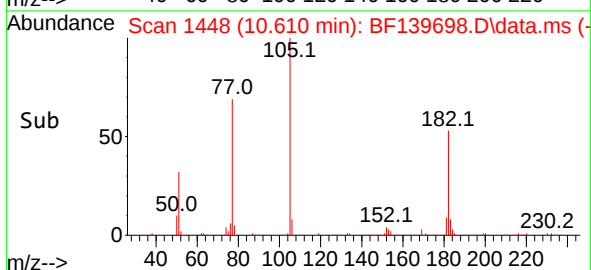
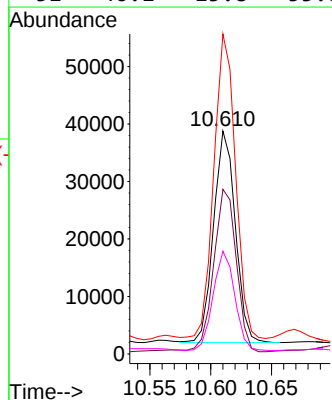
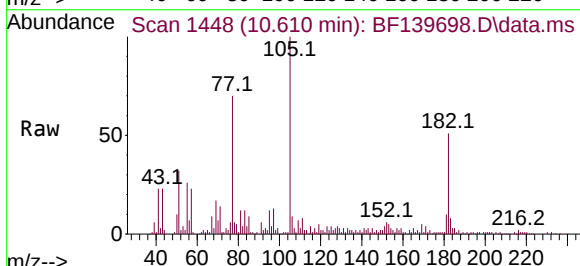
Ion Ratio Lower Upper

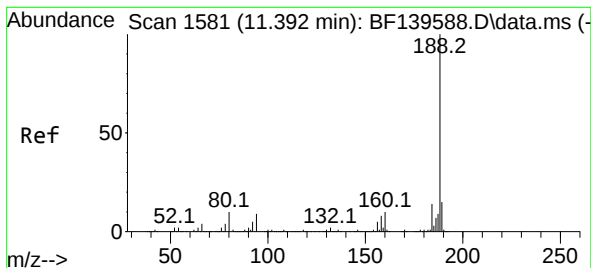
77 100

182 73.8 4.2 44.2#

105 143.6 0.0 39.6#

51 46.1 15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

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HR-02-100324

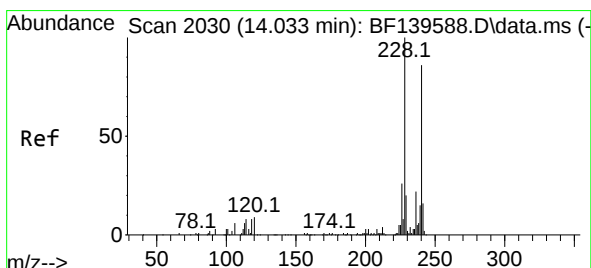
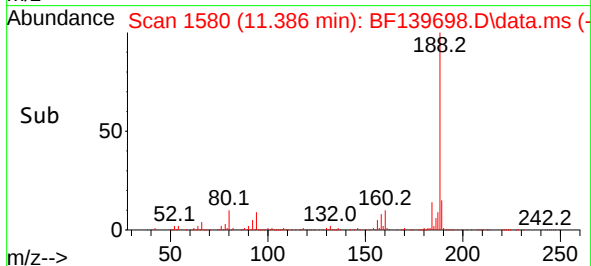
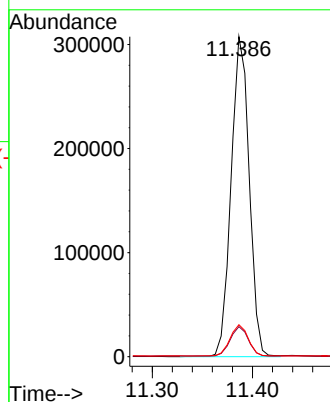
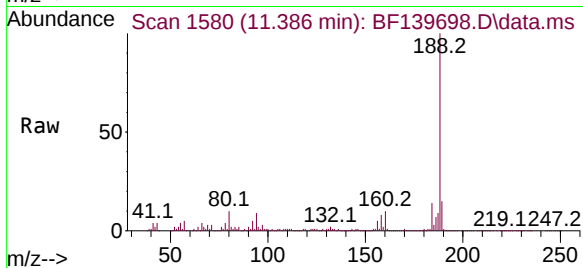
Tgt Ion:188 Resp: 386351

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.0 8.2 12.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF139698.D

Acq: 07 Oct 2024 20:50

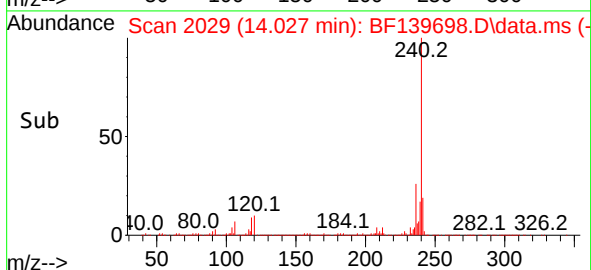
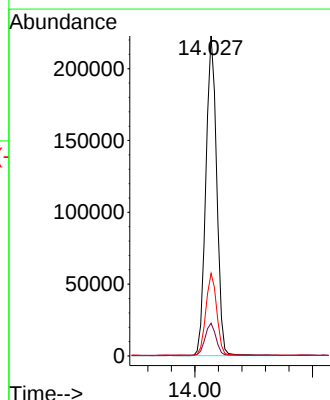
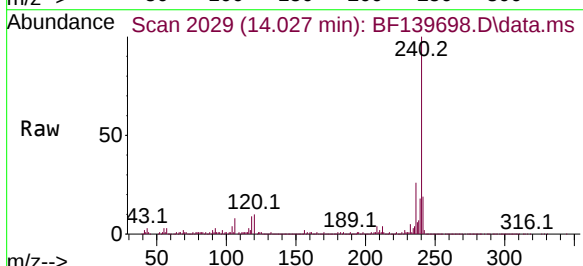
Tgt Ion:240 Resp: 284696

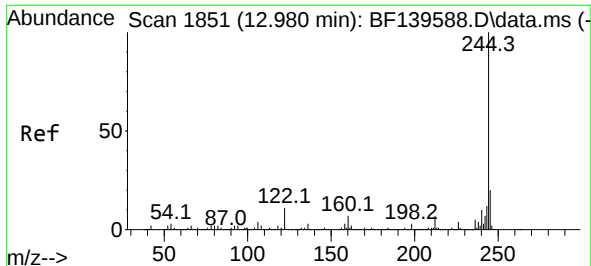
Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

236 25.8 20.3 30.5

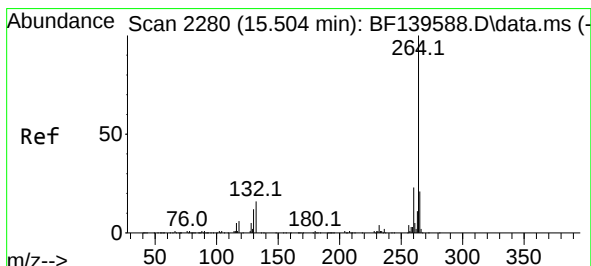
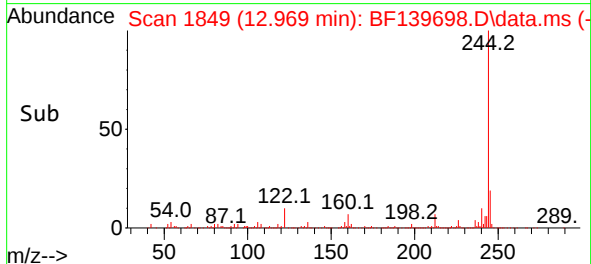
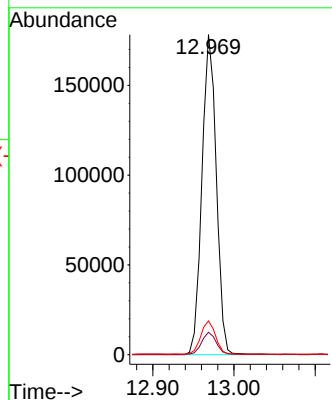
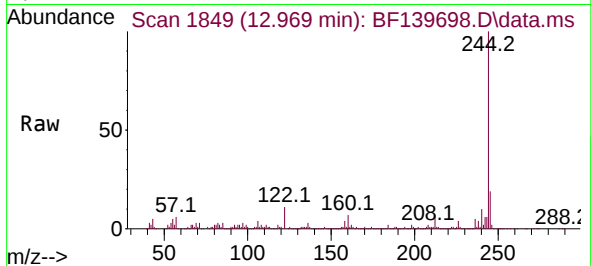




#79
 Terphenyl-d14
 Concen: 12.616 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.011 min
 Lab File: BF139698.D
 Acq: 07 Oct 2024 20:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-100324

Tgt Ion:244 Resp: 218890
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.6 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. 0.000 min
 Lab File: BF139698.D
 Acq: 07 Oct 2024 20:50

Tgt Ion:264 Resp: 256453
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.7 16.9 25.3

