

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139101.D
 Acq On : 21 Aug 2024 14:51
 Operator : RC/JU
 Sample : P3357-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-4-4.5-072024

Quant Time: Aug 21 15:16:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

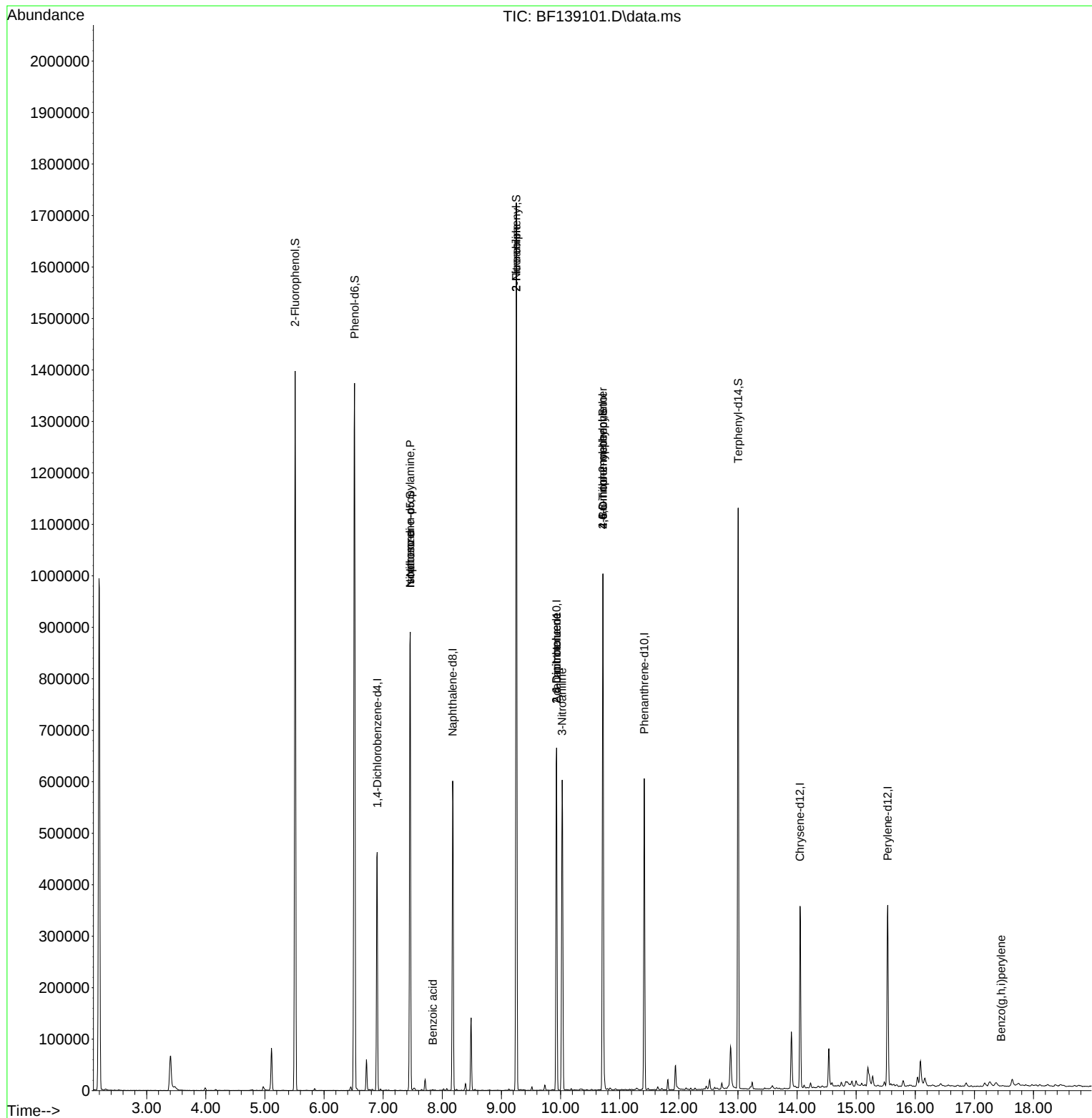
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	91413	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	348904	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	195605	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	297079	20.000	ng	0.00
76) Chrysene-d12	14.051	240	162195	20.000	ng	0.00
86) Perylene-d12	15.533	264	200601	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	466764	78.558	ng	0.00
7) Phenol-d6	6.516	99	623418	81.202	ng	0.00
23) Nitrobenzene-d5	7.457	82	404440	67.545	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	146953	82.987	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	715983	58.075	ng	0.00
79) Terphenyl-d14	13.004	244	520586	53.257	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	55914	11.090	ng	# 78
25) Isophorone	7.457	82	404360	31.772	ng	# 69
32) Benzoic acid	7.839	122	272	8.414	ng	91
48) 2-Nitroaniline	9.251	65	1486	6.077	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	25319	13.986	ng	# 16
53) 3-Nitroaniline	10.028	138	5031	6.049	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	25319	12.920	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	279	6.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	10580	3.361	ng	# 1
92) Benzo(g,h,i)perylene	17.451	276	171	2.809	ng	# 55

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

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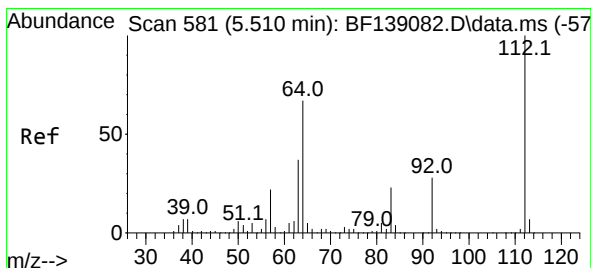
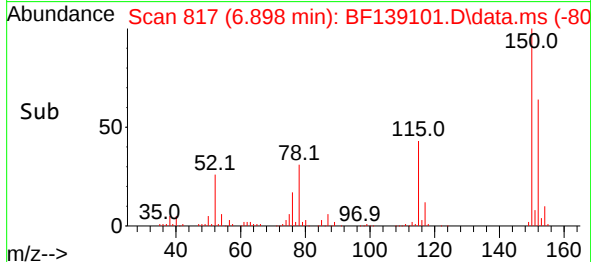
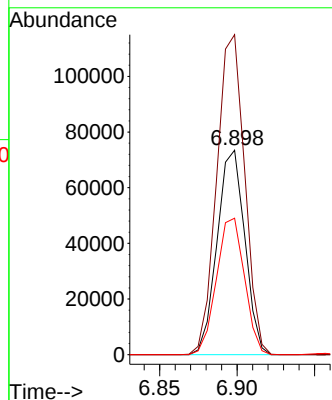
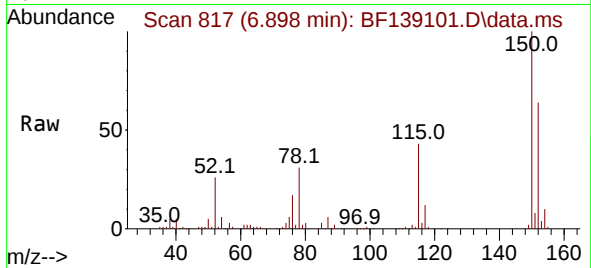




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

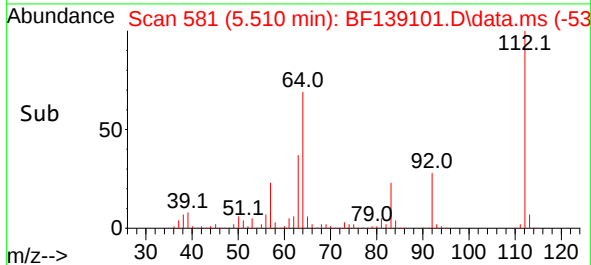
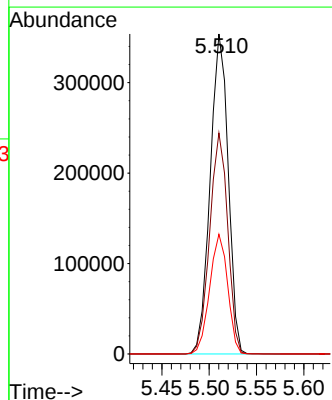
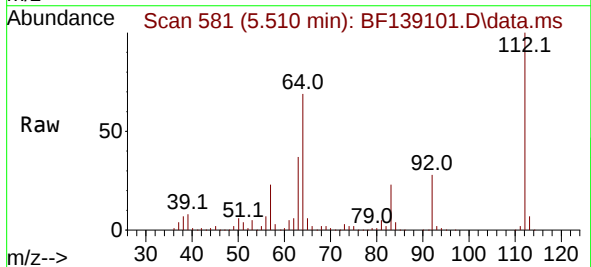
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

Tgt Ion:152 Resp: 91413
Ion Ratio Lower Upper
152 100
150 156.5 125.1 187.7
115 66.8 51.8 77.6



#5
2-Fluorophenol
Concen: 78.558 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion:112 Resp: 466764
Ion Ratio Lower Upper
112 100
64 69.1 53.8 80.6
63 37.4 29.4 44.2

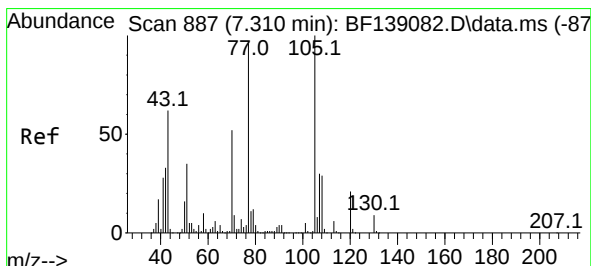
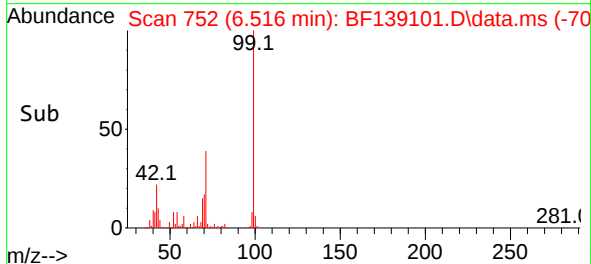
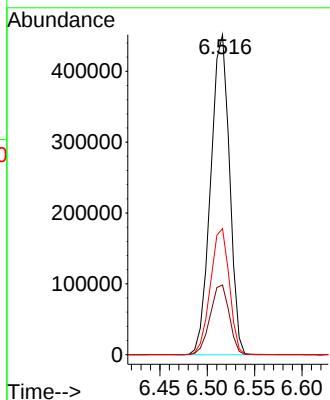
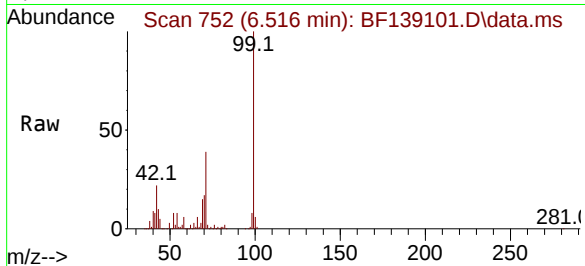




#7
Phenol-d6
Concen: 81.202 ng
RT: 6.516 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

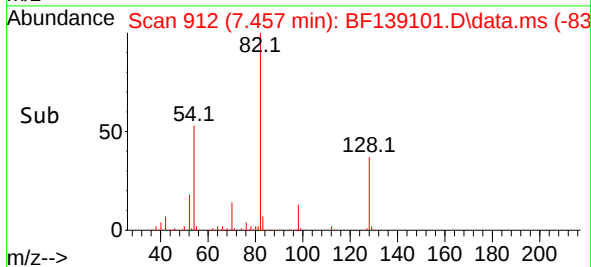
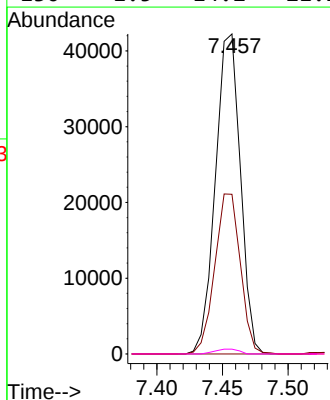
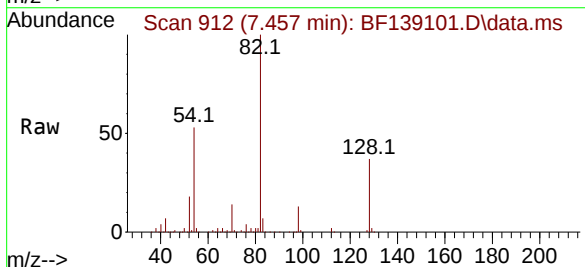
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

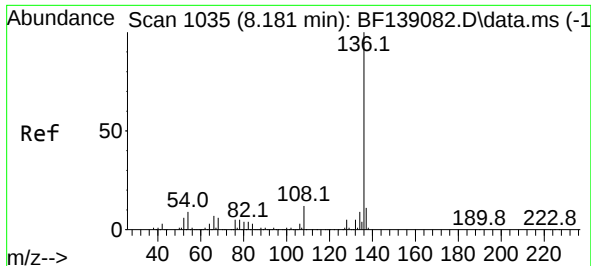
Tgt Ion: 99 Resp: 623418
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 39.4 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.090 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion: 70 Resp: 55914
Ion Ratio Lower Upper
70 100
42 49.9 50.5 75.7#
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#

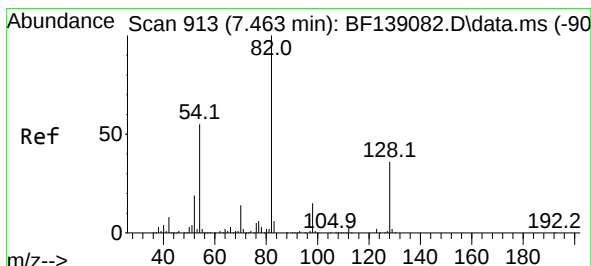
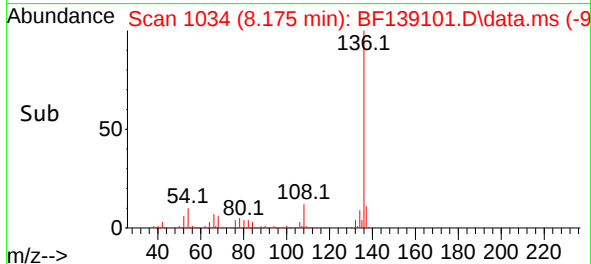
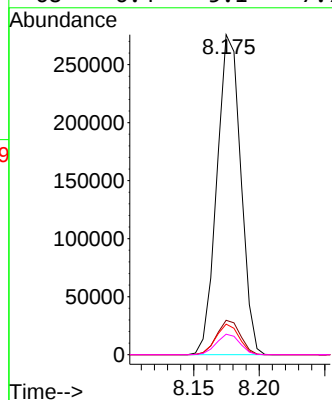
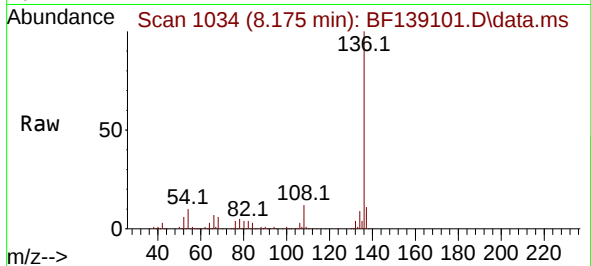




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

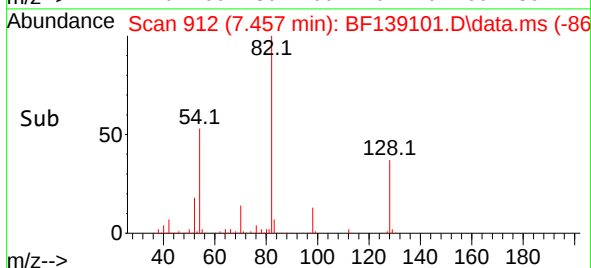
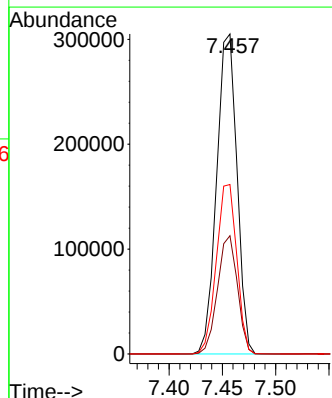
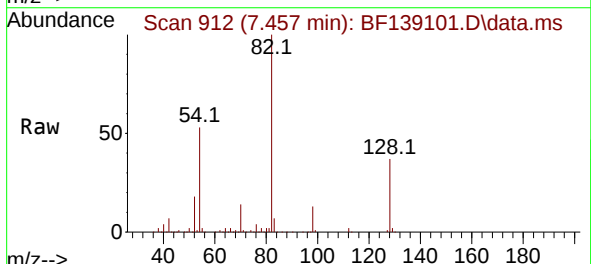
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

Tgt Ion:	136	Resp:	348904
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.6	7.6	11.4
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 67.545 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion:	82	Resp:	404440
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.0	43.4
54	52.9	43.4	65.2

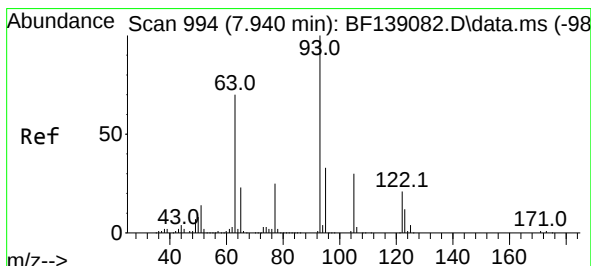
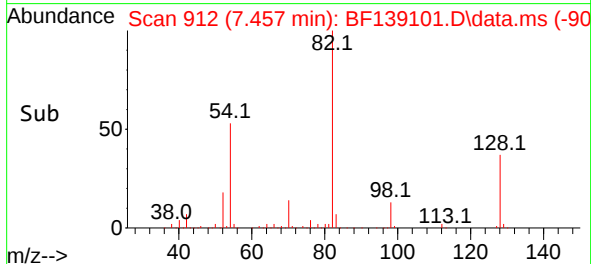
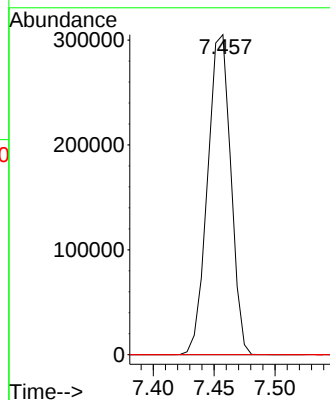
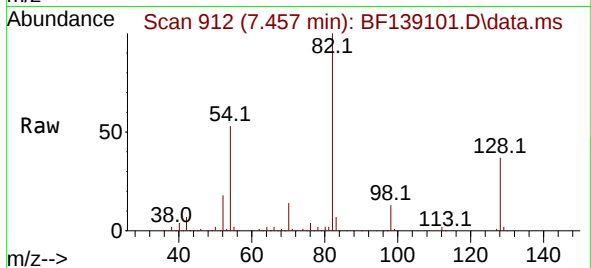




#25
Isophorone
Concen: 31.772 ng
RT: 7.457 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

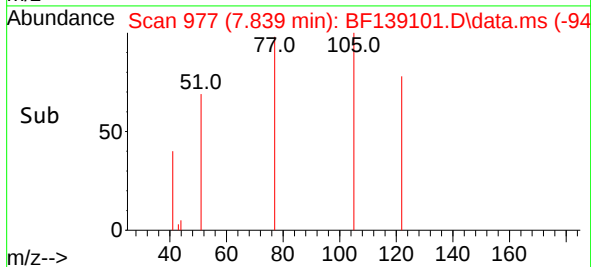
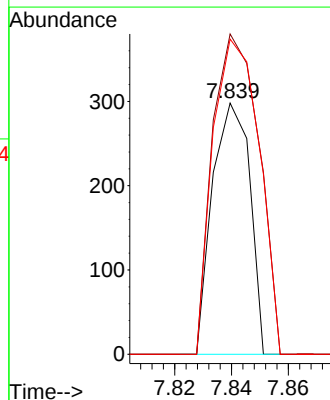
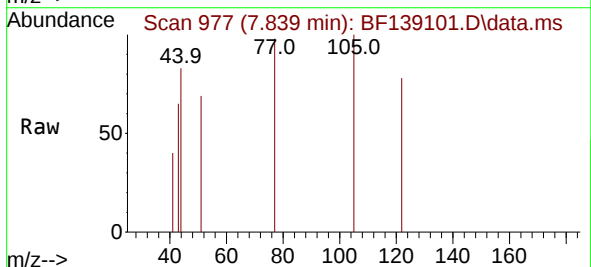
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

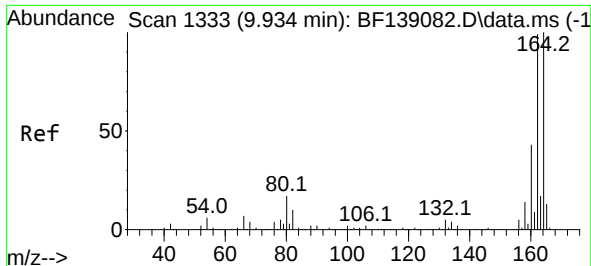
Tgt Ion: 82 Resp: 404360
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.414 ng
RT: 7.839 min Scan# 977
Delta R.T. -0.101 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion:122 Resp: 272
Ion Ratio Lower Upper
122 100
105 127.5 119.6 159.6
77 125.5 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.001 min

Lab File: BF139101.D

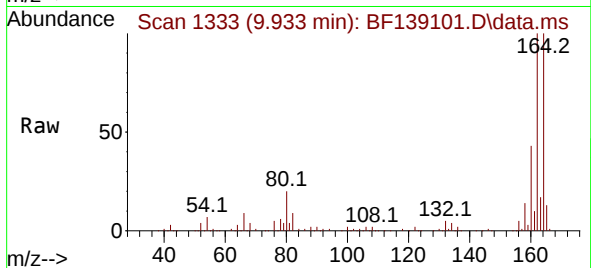
Acq: 21 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-4-4.5-072024



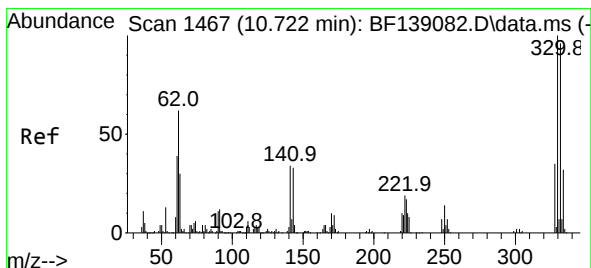
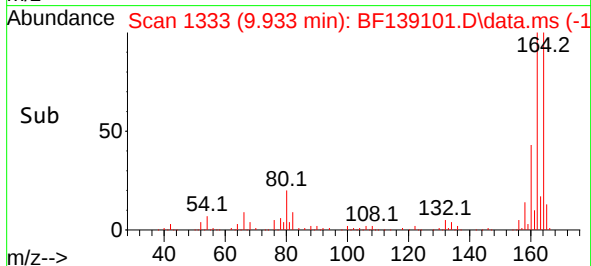
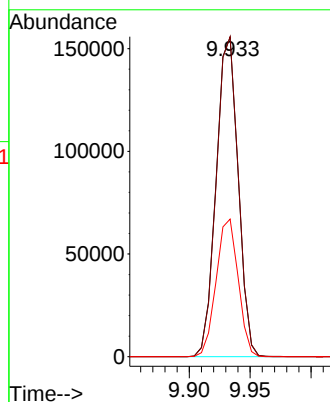
Tgt Ion:164 Resp: 195605

Ion Ratio Lower Upper

164 100

162 100.2 79.5 119.3

160 43.1 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 82.987 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

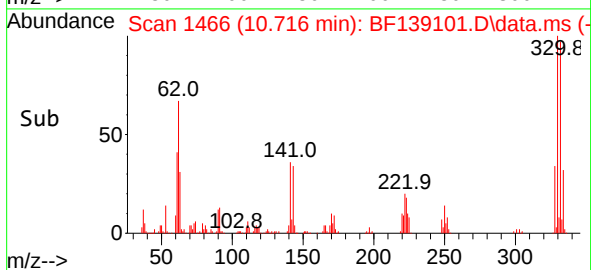
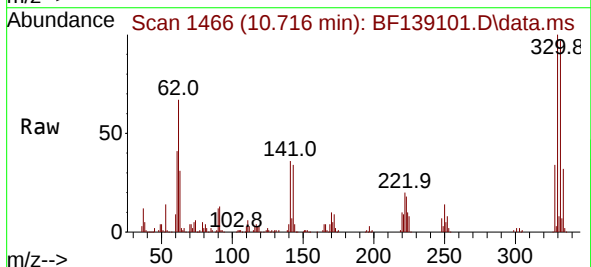
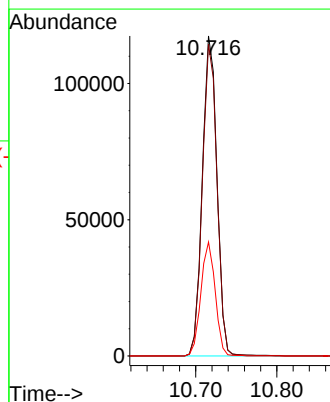
Tgt Ion:330 Resp: 146953

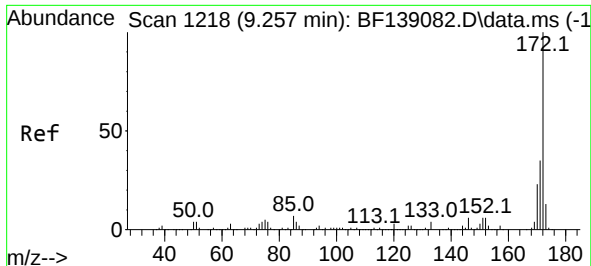
Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

141 34.9 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 58.075 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-4-4.5-072024

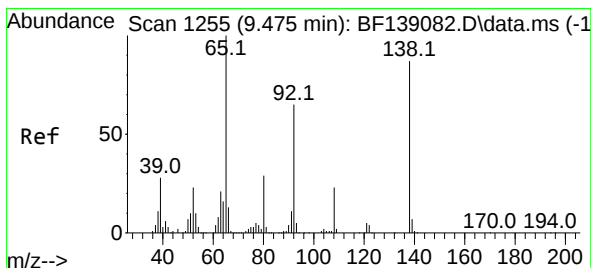
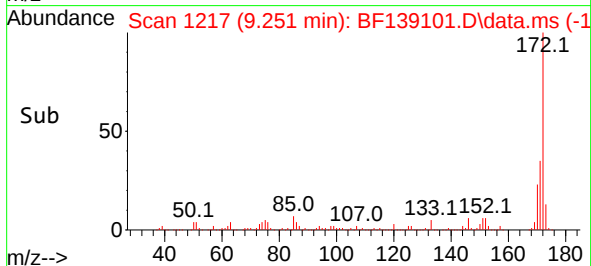
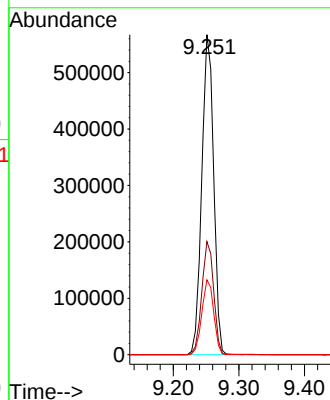
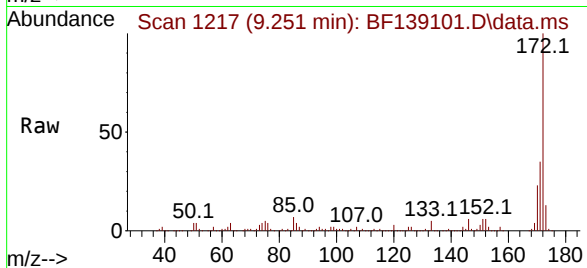
Tgt Ion:172 Resp: 715983

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.4 18.8 28.2



#48

2-Nitroaniline

Concen: 6.077 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.224 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

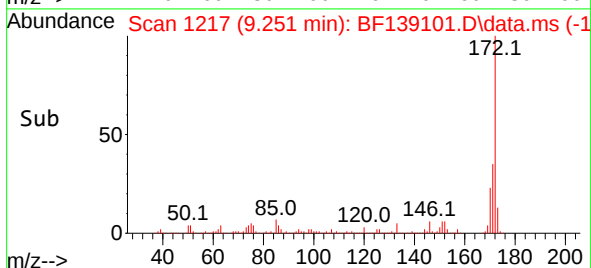
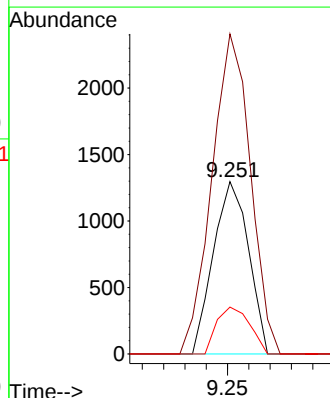
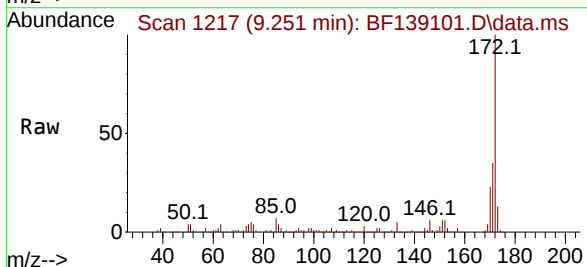
Tgt Ion: 65 Resp: 1486

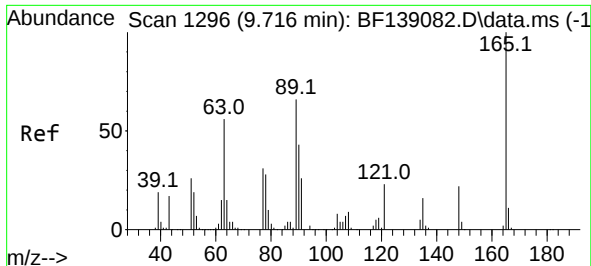
Ion Ratio Lower Upper

65 100

92 185.7 52.4 78.6#

138 27.2 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 13.986 ng

RT: 9.933 min Scan# 1

Delta R.T. 0.217 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

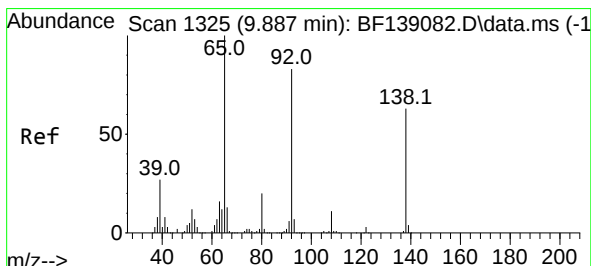
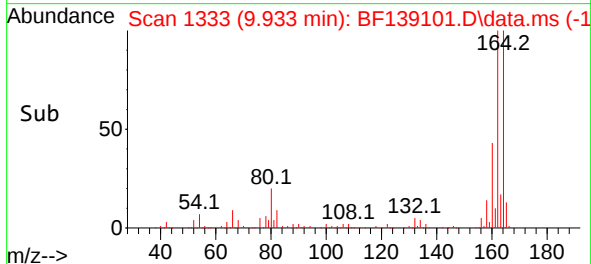
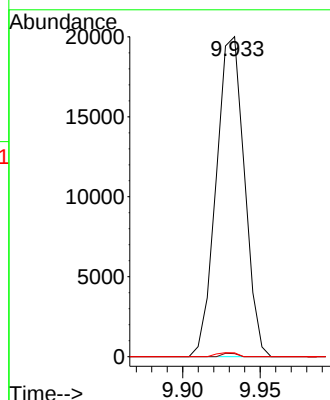
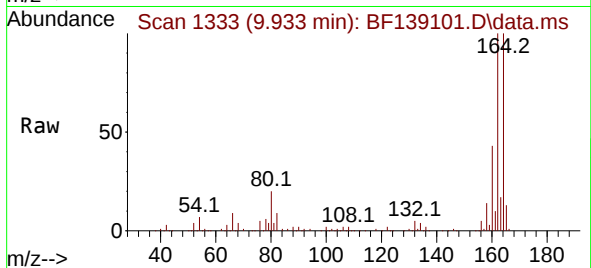
Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-4-4.5-072024

Tgt Ion:165	Resp:	25319
Ion Ratio	Lower	Upper
165	100	
63	1.0	58.0 87.0#
89	1.2	53.3 79.9#



#53

3-Nitroaniline

Concen: 6.049 ng

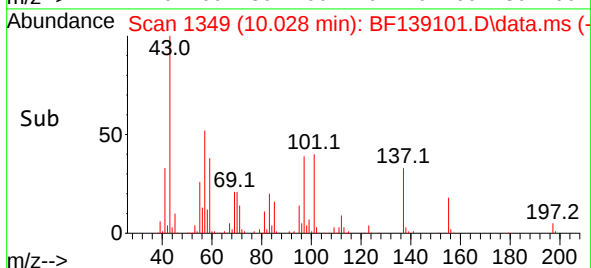
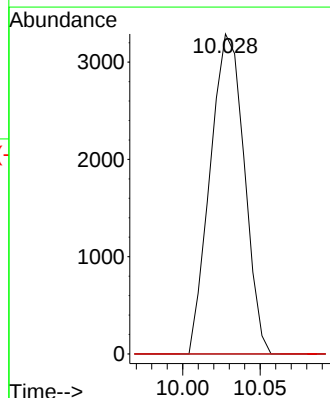
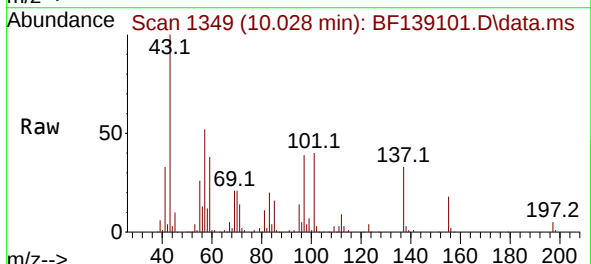
RT: 10.028 min Scan# 1349

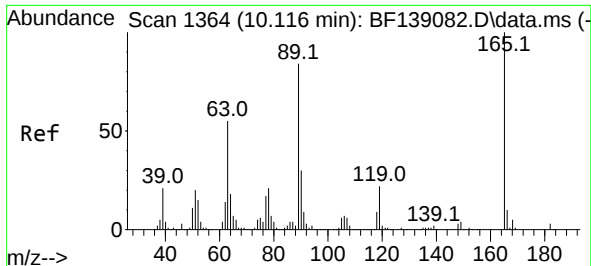
Delta R.T. 0.141 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

Tgt Ion:138	Resp:	5031
Ion Ratio	Lower	Upper
138	100	
108	0.0	14.6 21.8#
92	0.0	105.9 158.9#

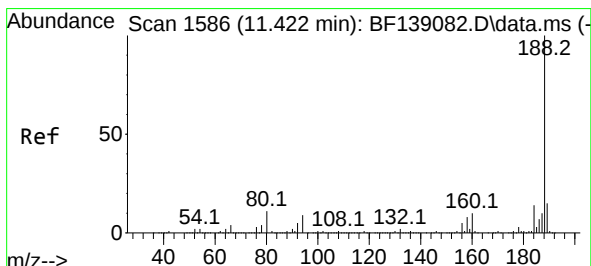
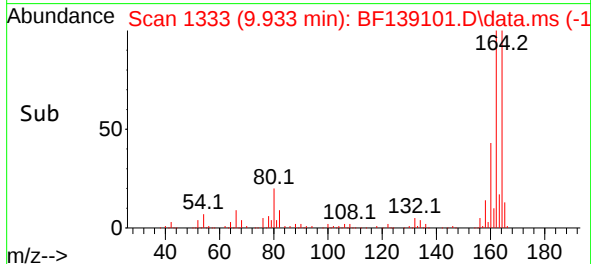
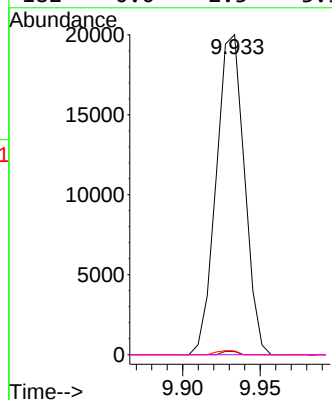
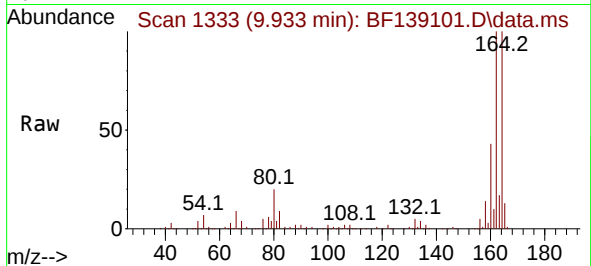




#57
2,4-Dinitrotoluene
Concen: 12.920 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

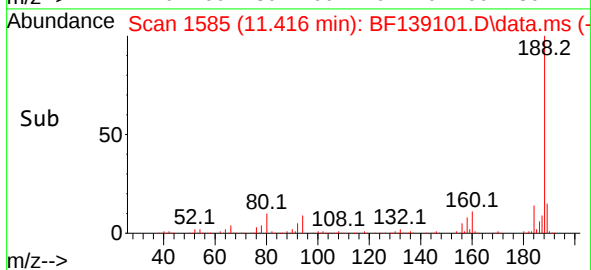
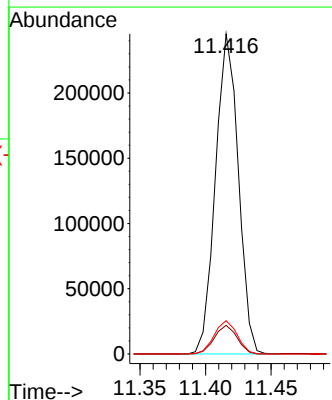
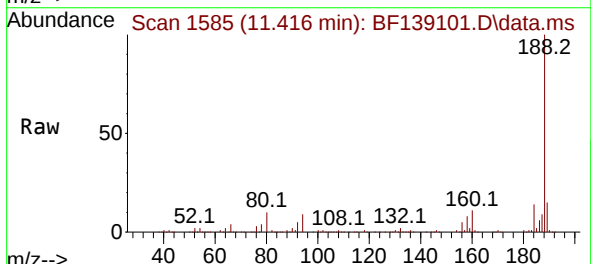
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

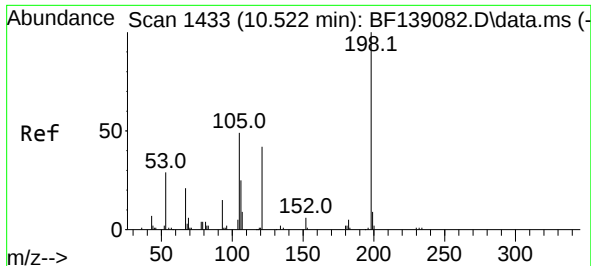
Tgt Ion:165 Resp: 25319
Ion Ratio Lower Upper
165 100
63 1.0 44.2 66.4#
89 1.2 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion:188 Resp: 297079
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 10.4 8.5 12.7

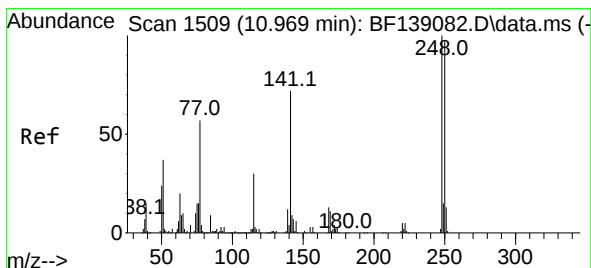
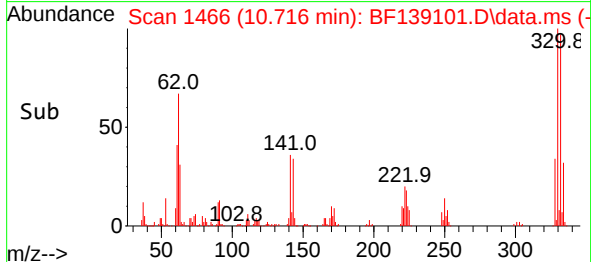
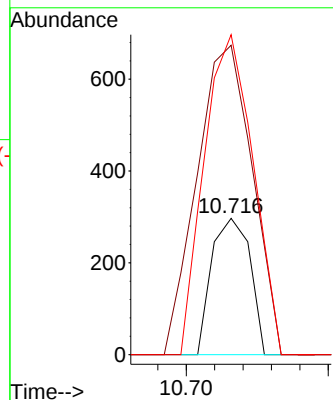
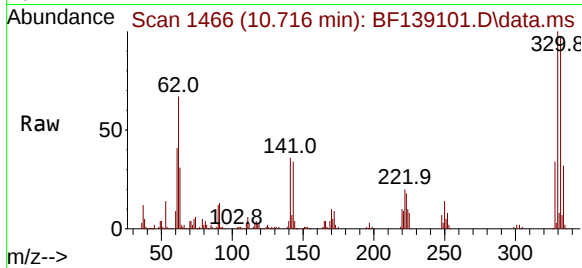




#65
4,6-Dinitro-2-methylphenol
Concen: 6.755 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

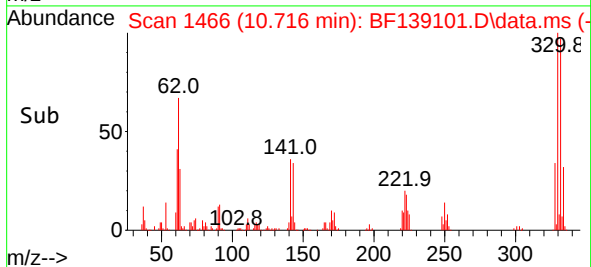
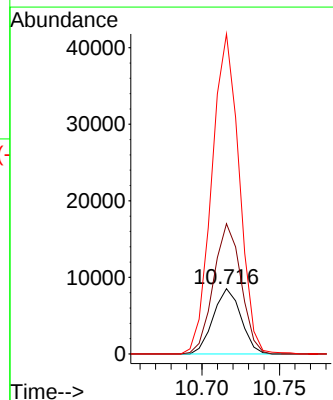
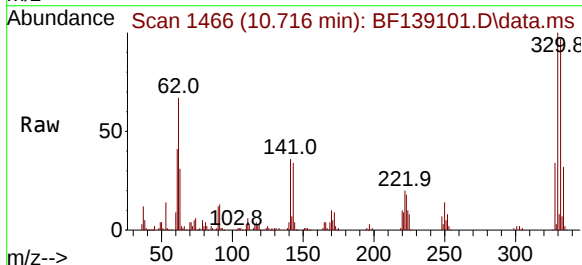
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-4-4.5-072024

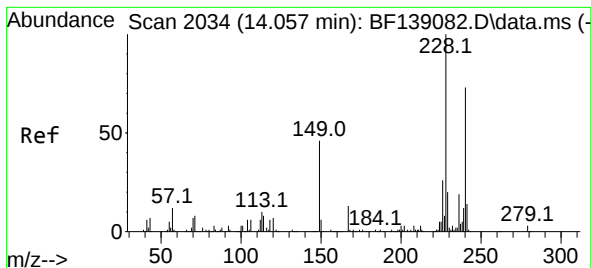
Tgt Ion:198 Resp: 279
Ion Ratio Lower Upper
198 100
51 226.9 40.8 80.8#
105 234.7 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 3.361 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139101.D
Acq: 21 Aug 2024 14:51

Tgt Ion:248 Resp: 10580
Ion Ratio Lower Upper
248 100
250 199.3 77.8 116.8#
141 489.6 57.9 86.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-4-4.5-072024

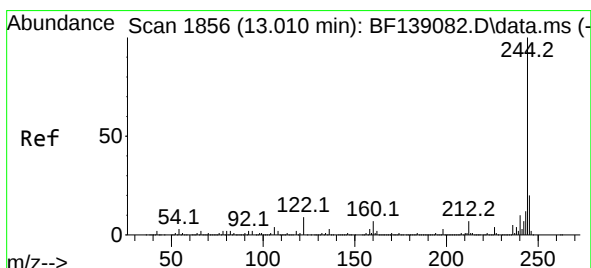
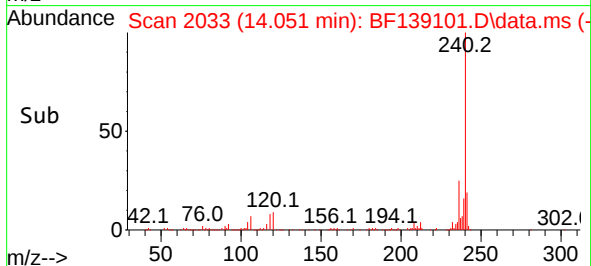
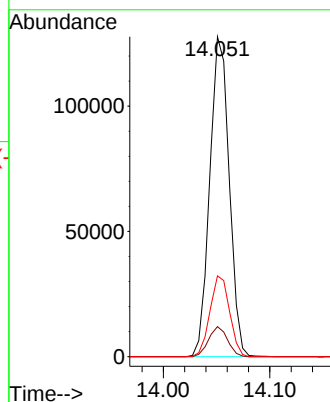
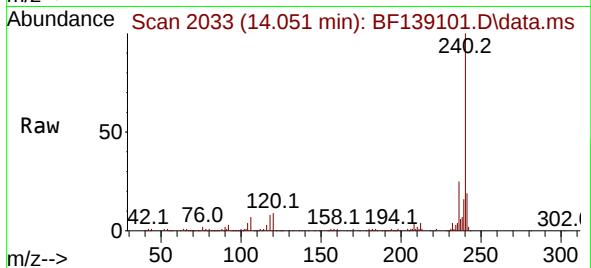
Tgt Ion:240 Resp: 162195

Ion Ratio Lower Upper

240 100

120 9.4 7.8 11.6

236 25.2 20.9 31.3



#79

Terphenyl-d14

Concen: 53.257 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

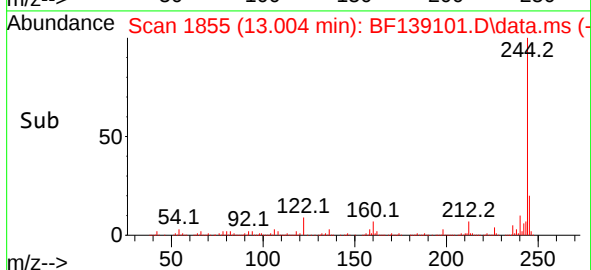
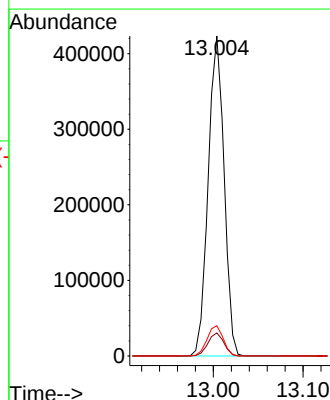
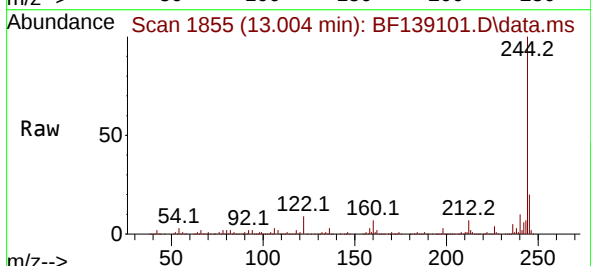
Tgt Ion:244 Resp: 520586

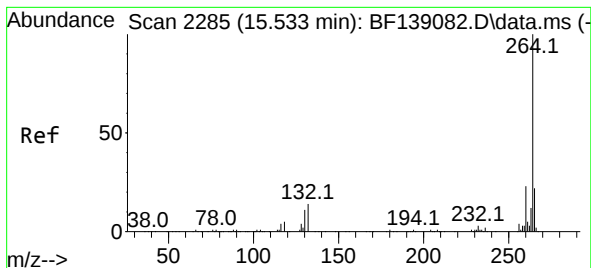
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.4 7.6 11.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-4-4.5-072024

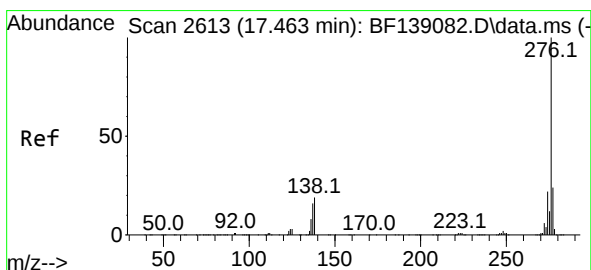
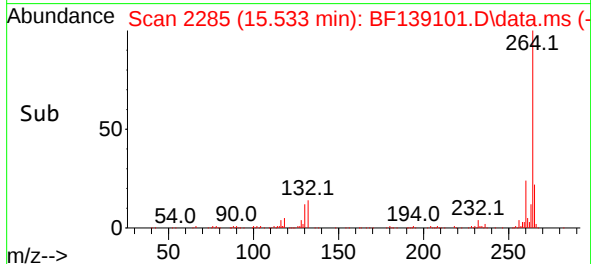
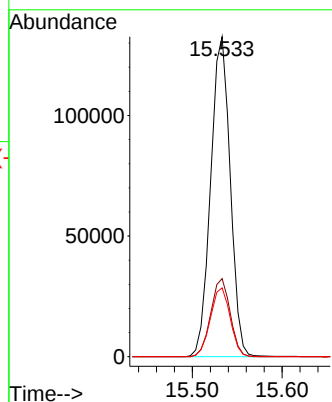
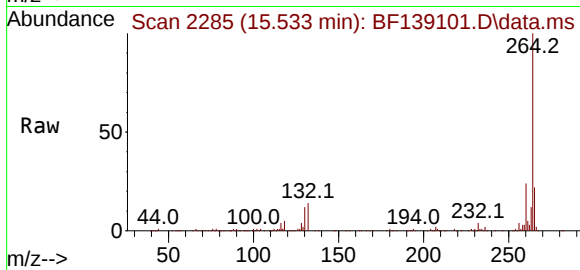
Tgt Ion:264 Resp: 200601

Ion Ratio Lower Upper

264 100

260 24.4 18.6 27.8

265 21.5 17.4 26.2



#92

Benzo(g,h,i)perylene

Concen: 2.809 ng

RT: 17.451 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF139101.D

Acq: 21 Aug 2024 14:51

Tgt Ion:276 Resp: 171

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 0.0 15.0 22.4#

