

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139895.D
 Acq On : 21 Oct 2024 11:27
 Operator : RC/JU
 Sample : P4425-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Oct 21 11:53:28 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)

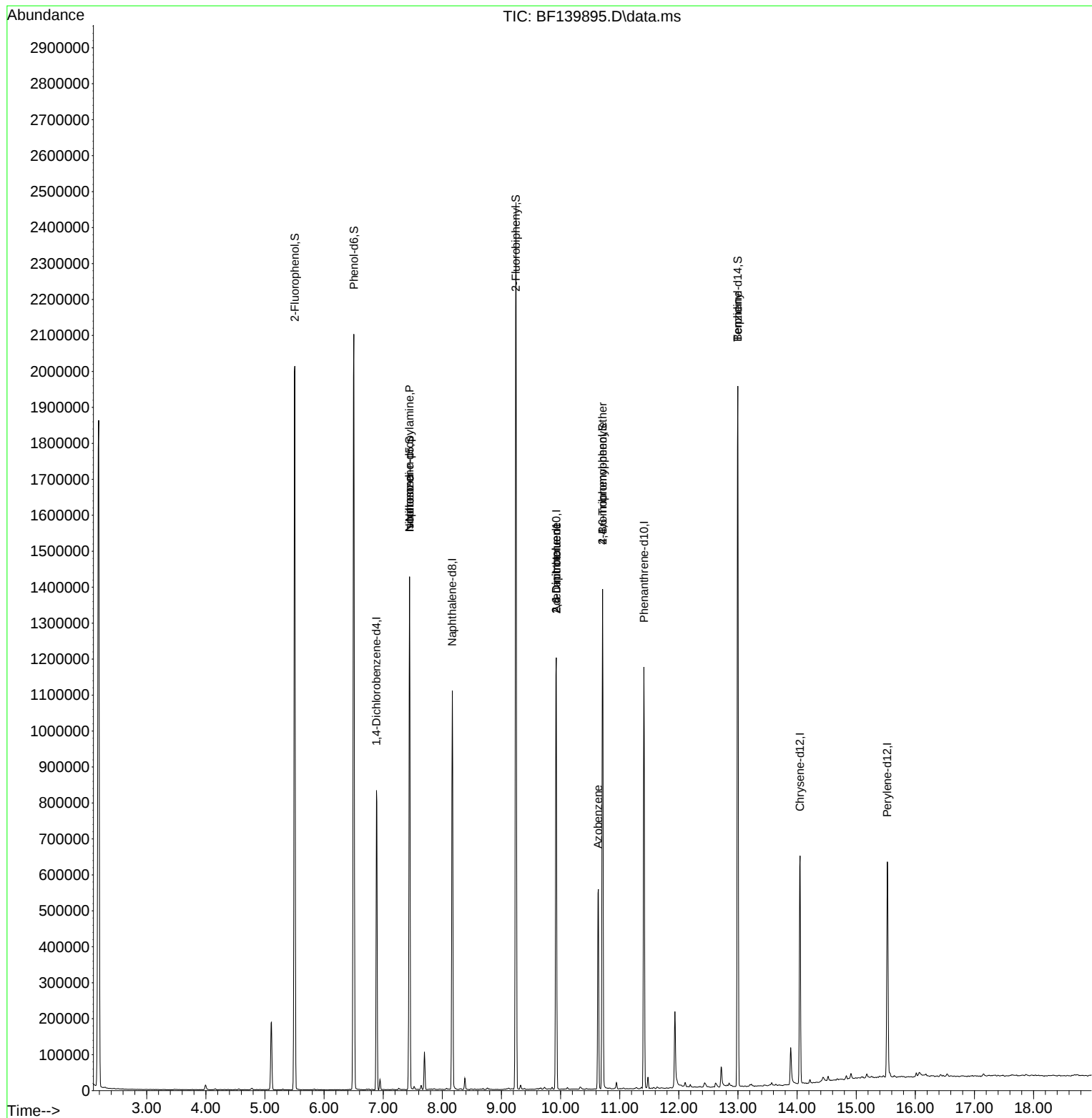
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	172570	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	652270	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	357349	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	601268	20.000	ng	0.00
76) Chrysene-d12	14.051	240	293972	20.000	ng	0.00
86) Perylene-d12	15.527	264	346085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	748132	67.868	ng	0.00
7) Phenol-d6	6.504	99	990920	69.406	ng	0.00
23) Nitrobenzene-d5	7.445	82	602171	51.167	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	221906	66.389	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1069128	49.446	ng	0.00
79) Terphenyl-d14	12.998	244	949052	52.606	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	79544	9.186	ng	# 78
25) Isophorone	7.445	82	600889	26.901	ng	# 67
51) 2,6-Dinitrotoluene	9.927	165	47023	9.757	ng	# 21
57) 2,4-Dinitrotoluene	9.927	165	47023	7.934	ng	# 21
63) Azobenzene	10.633	77	142958	6.170	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	14270	2.304	ng	# 1
77) Benzidine	12.998	184	12159	2.515	ng	# 92

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

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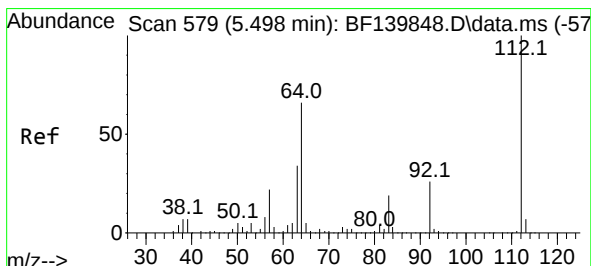
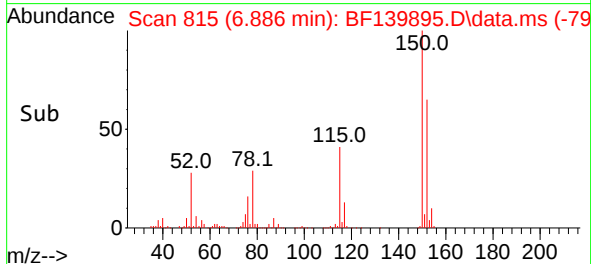
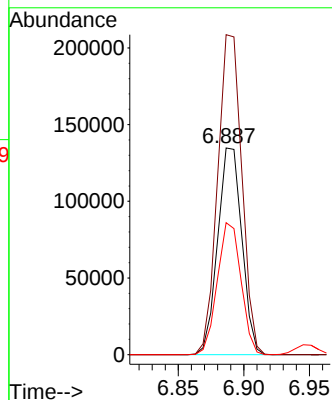
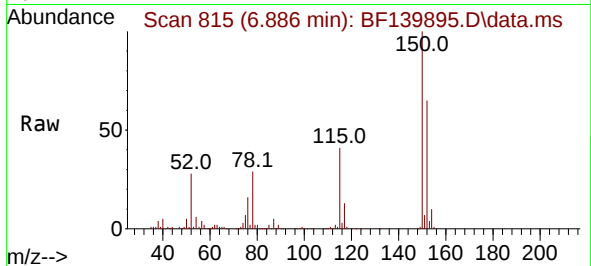




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

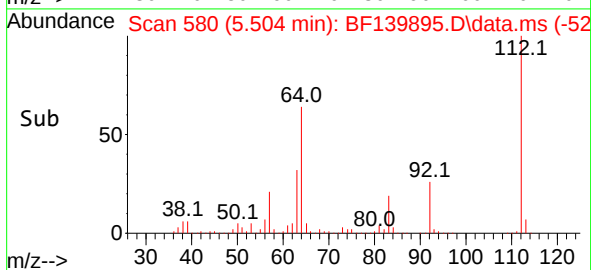
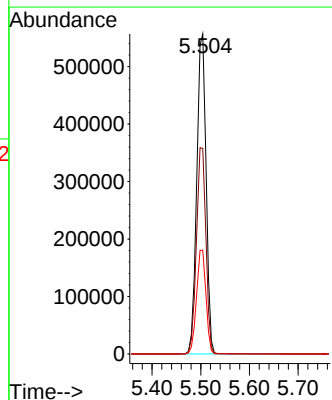
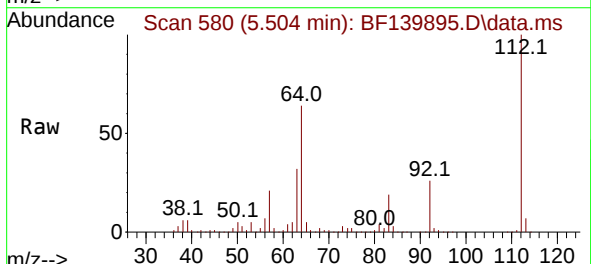
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 172570
Ion Ratio Lower Upper
152 100
150 154.8 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 67.868 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion:112 Resp: 748132
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 32.4 27.0 40.4





#7
Phenol-d6
Concen: 69.406 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

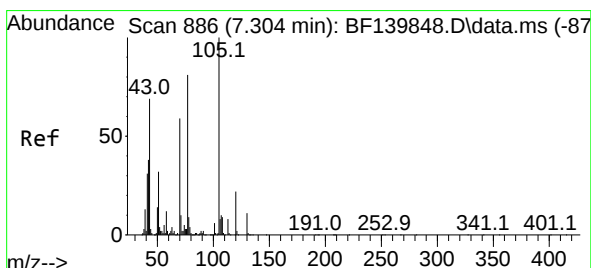
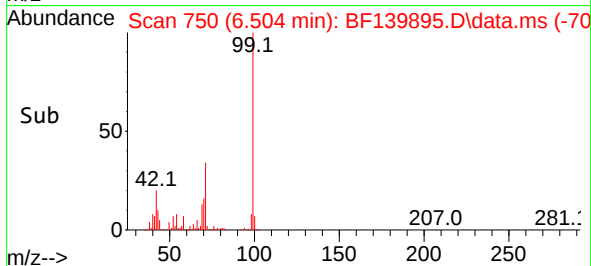
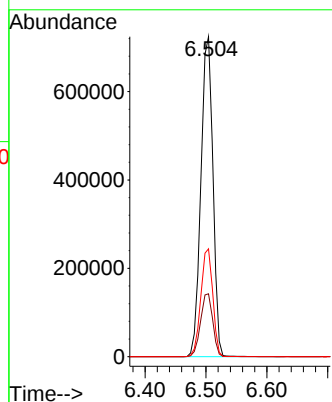
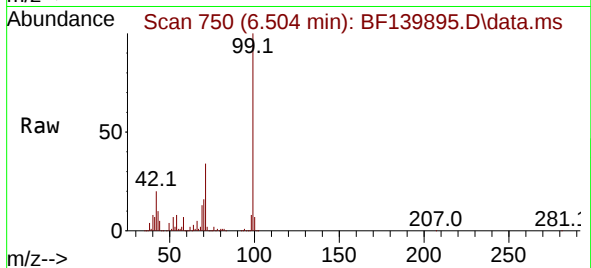
Instrument :

BNA_F

ClientSampleId :

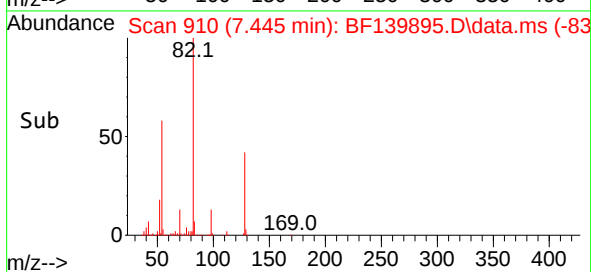
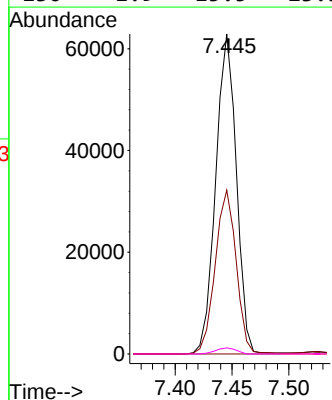
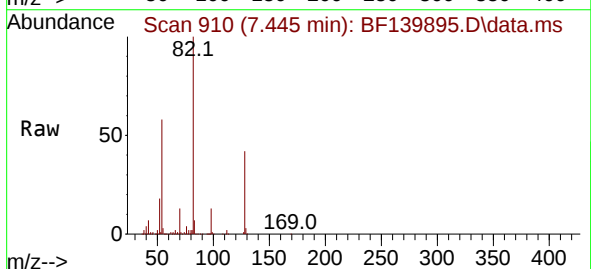
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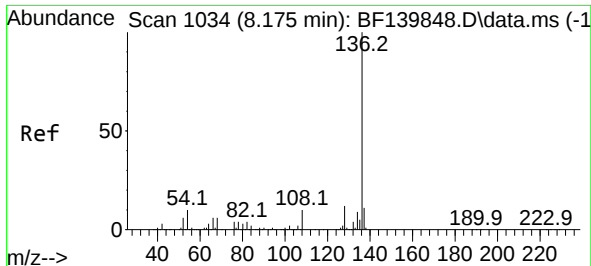
Tgt Ion: 99 Resp: 990920
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 33.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.186 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion: 70 Resp: 79544
Ion Ratio Lower Upper
70 100
42 51.2 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



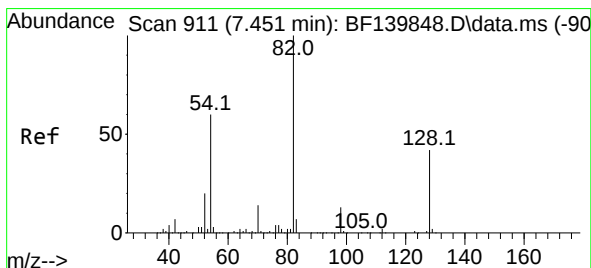
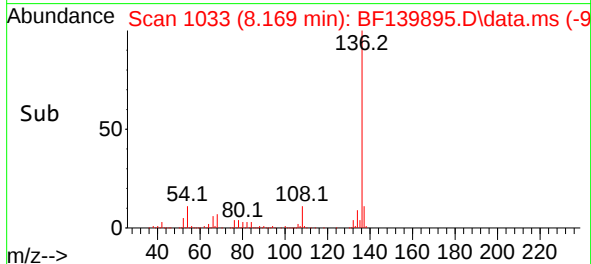
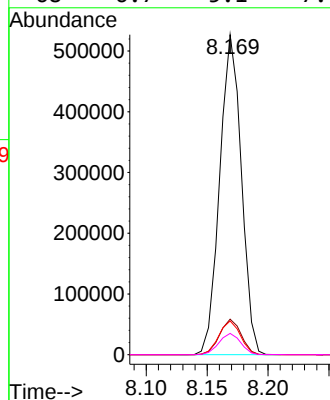
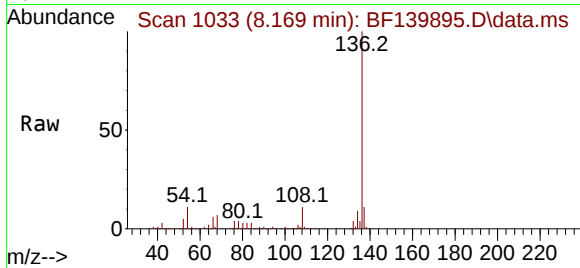


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 652270

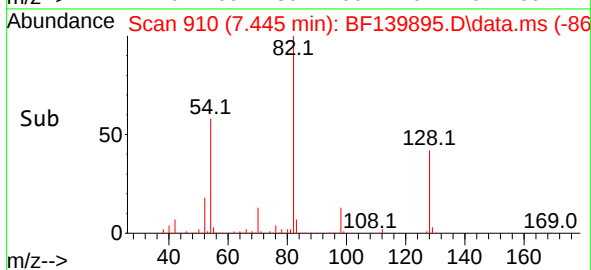
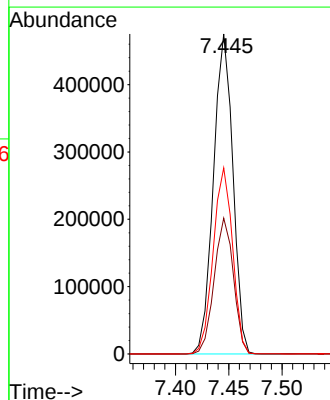
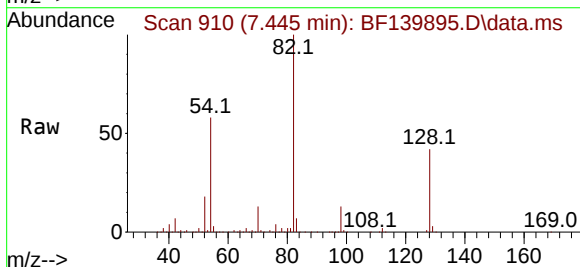
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.5	8.4	12.6
68	6.7	5.1	7.7

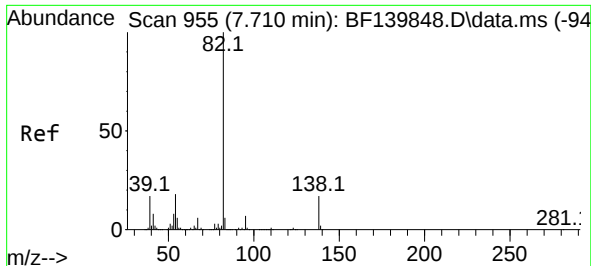


#23
Nitrobenzene-d5
Concen: 51.167 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion: 82 Resp: 602171

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	58.1	47.8	71.8

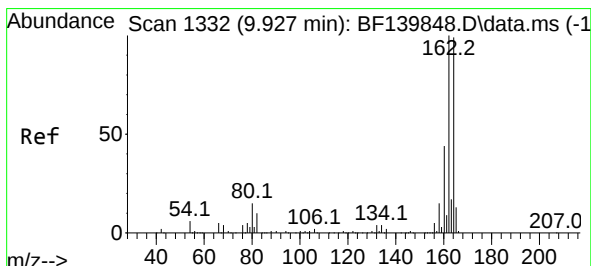
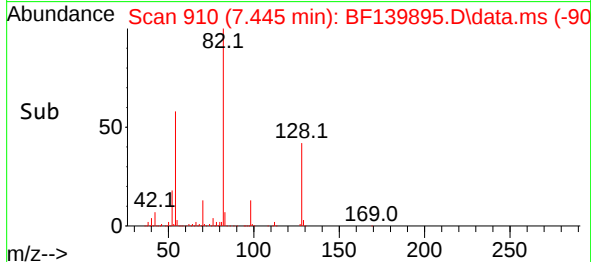
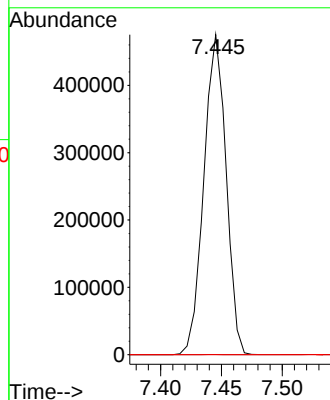
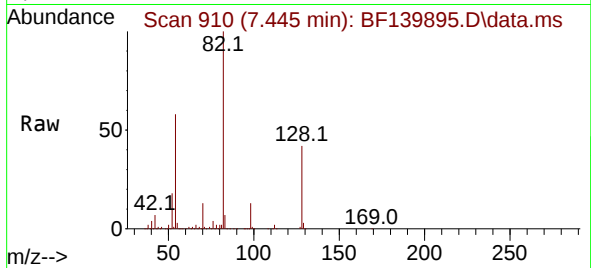




#25
Isophorone
Concen: 26.901 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

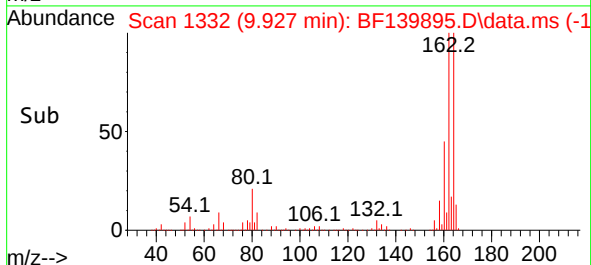
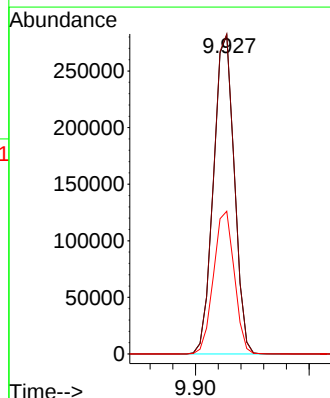
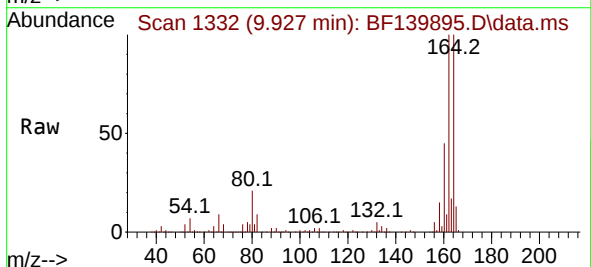
Instrument :
BNA_F
ClientSampleId :
TP-4

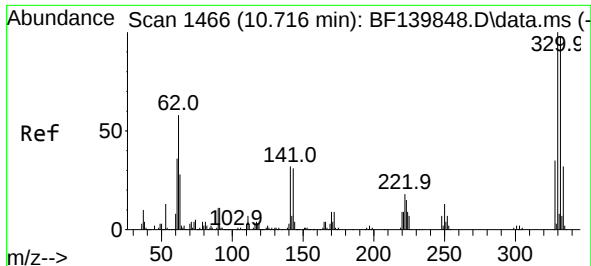
Tgt Ion: 82 Resp: 600889
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

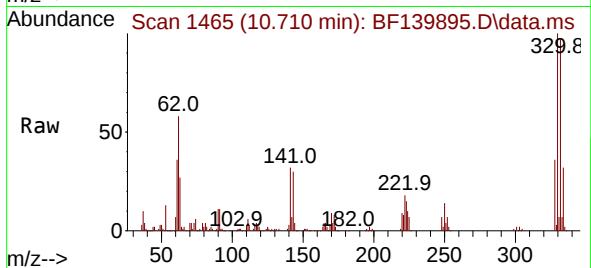
Tgt Ion: 164 Resp: 357349
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 44.7 35.4 53.0



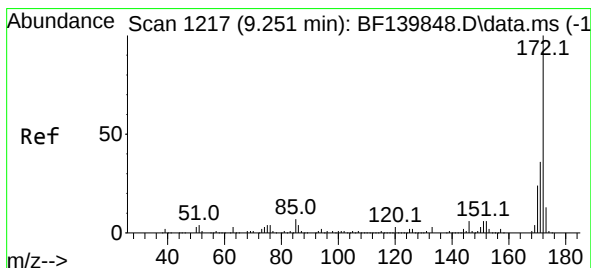
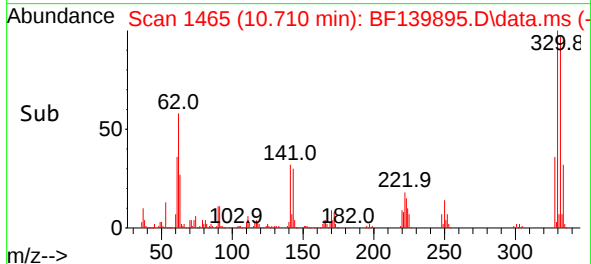
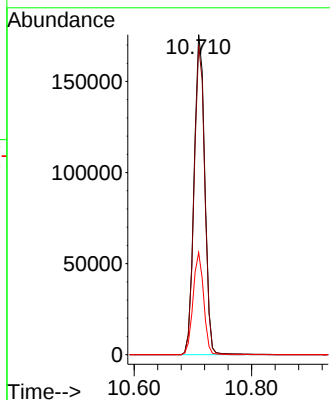


#42
2,4,6-Tribromophenol
Concen: 66.389 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Instrument :
BNA_F
ClientSampleId :
TP-4

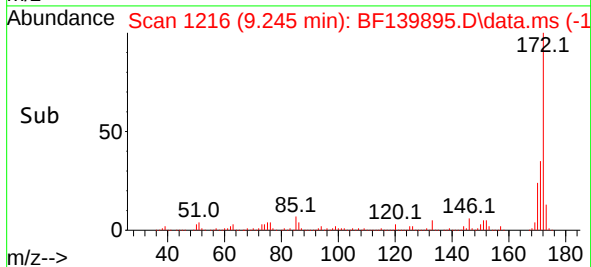
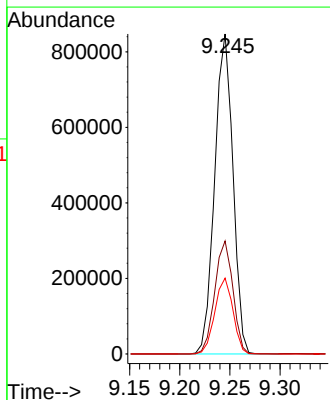
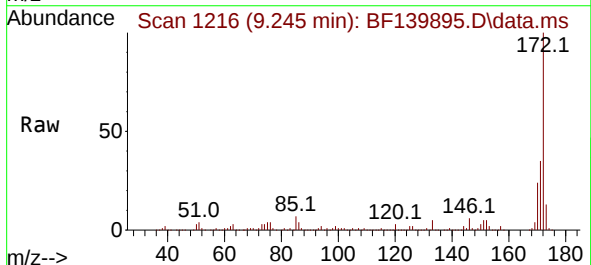


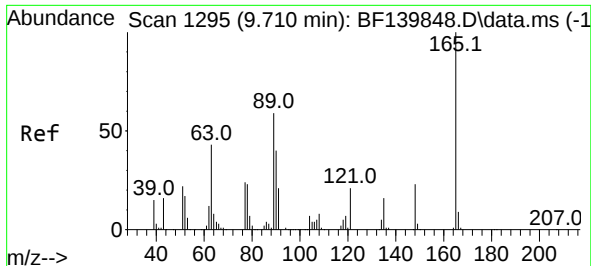
Tgt Ion:330 Resp: 221906
Ion Ratio Lower Upper
330 100
332 96.4 78.1 117.1
141 31.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 49.446 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion:172 Resp: 1069128
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.7 19.1 28.7

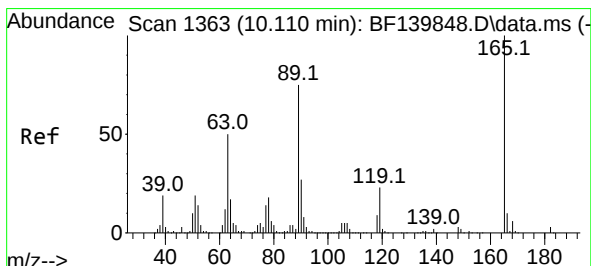
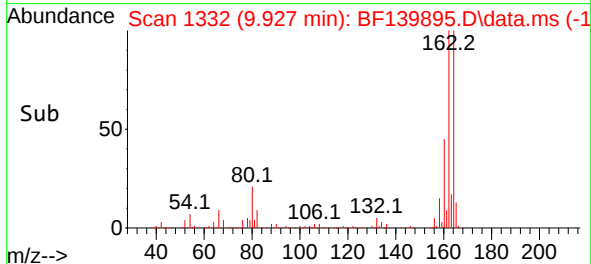
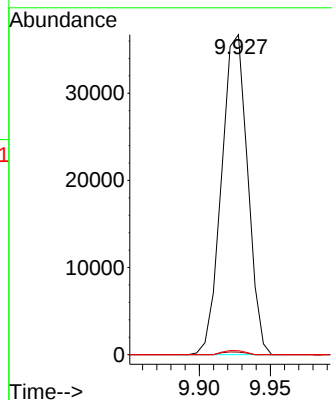
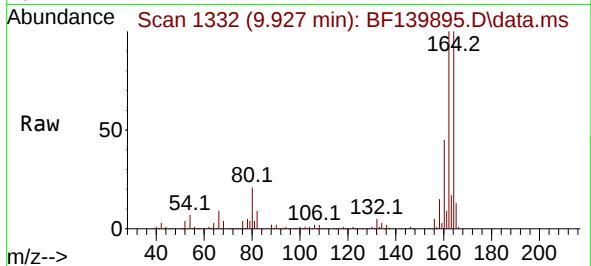




#51
2,6-Dinitrotoluene
Concen: 9.757 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

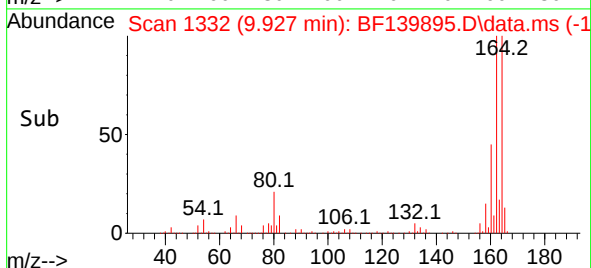
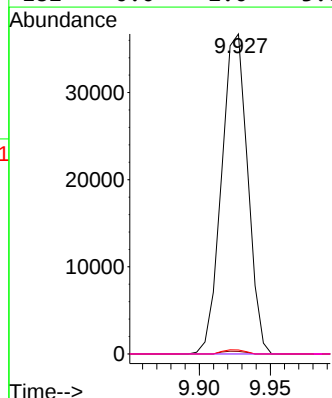
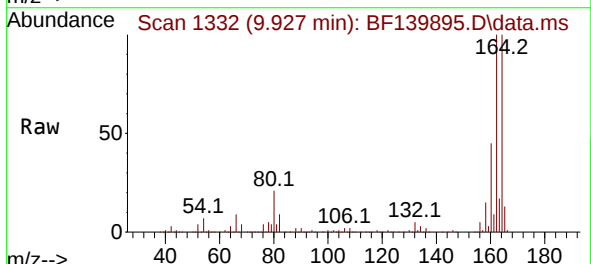
Instrument :
BNA_F
ClientSampleId :
TP-4

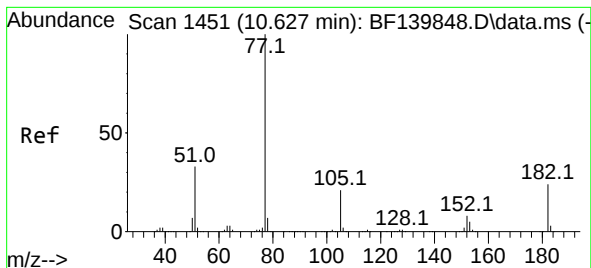
Tgt Ion:165 Resp: 47023
Ion Ratio Lower Upper
165 100
63 0.8 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.934 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion:165 Resp: 47023
Ion Ratio Lower Upper
165 100
63 0.8 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 6.170 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139895.D

Acq: 21 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion: 77 Resp: 142958

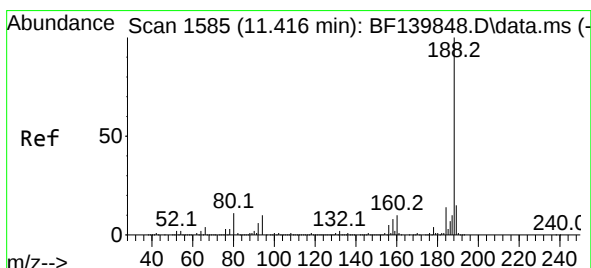
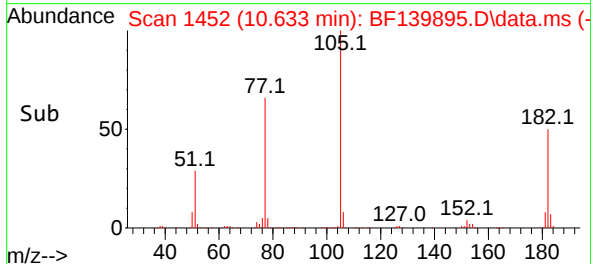
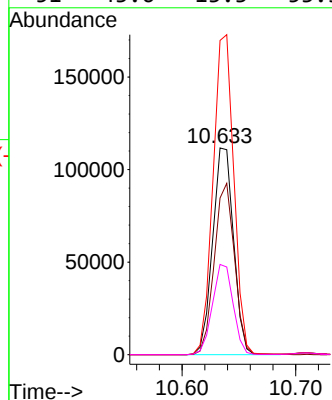
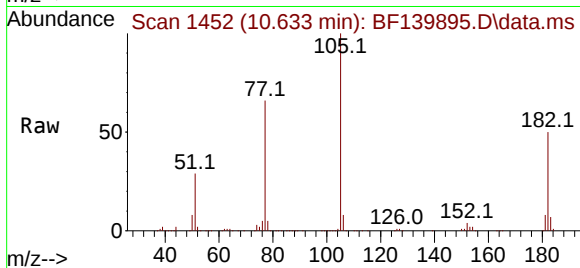
Ion Ratio Lower Upper

77 100

182 75.8 3.3 43.3#

105 152.0 1.2 41.2#

51 43.6 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139895.D

Acq: 21 Oct 2024 11:27

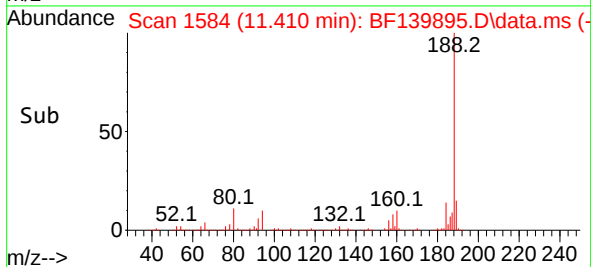
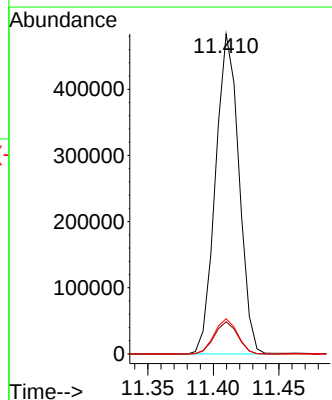
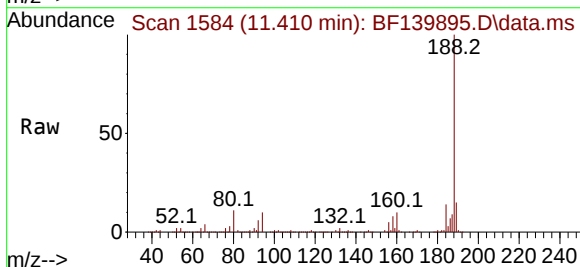
Tgt Ion: 188 Resp: 601268

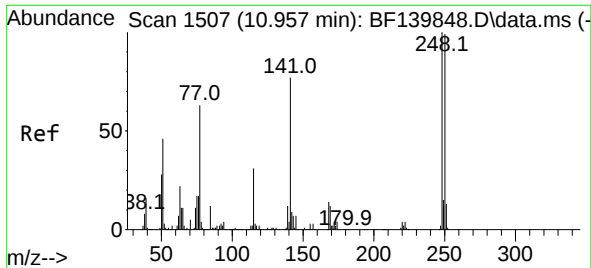
Ion Ratio Lower Upper

188 100

94 10.1 7.9 11.9

80 11.0 9.0 13.4

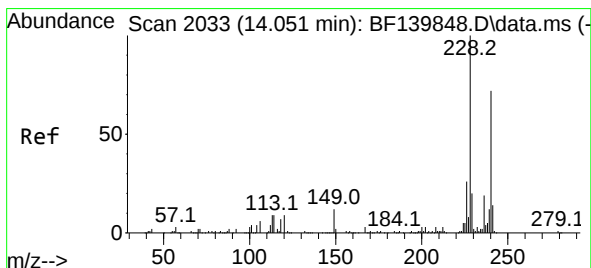
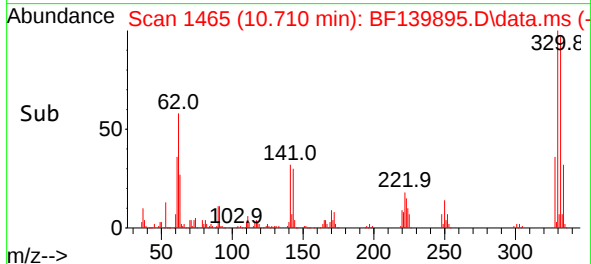
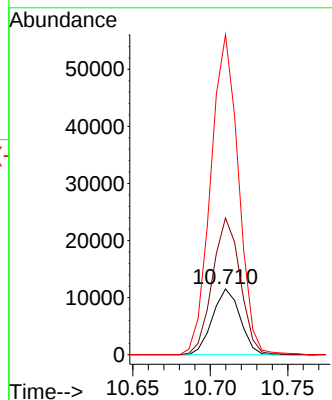
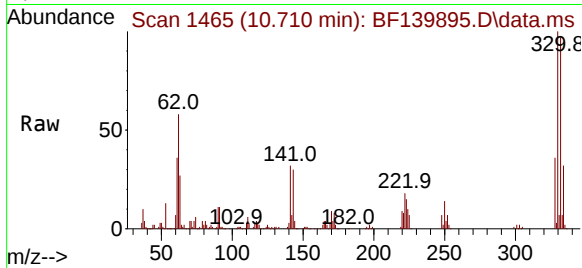




#67
4-Bromophenyl-phenylether
Concen: 2.304 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

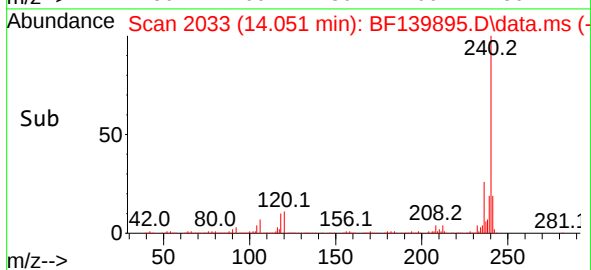
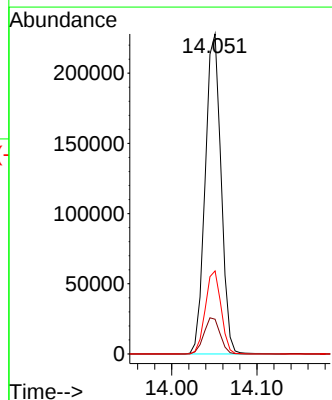
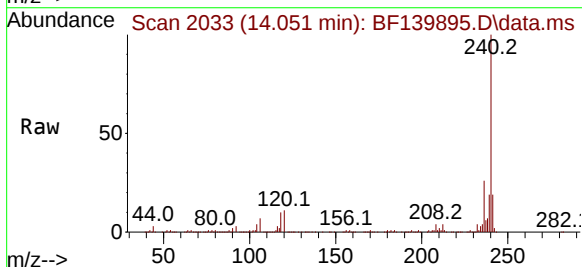
Instrument :
BNA_F
ClientSampleId :
TP-4

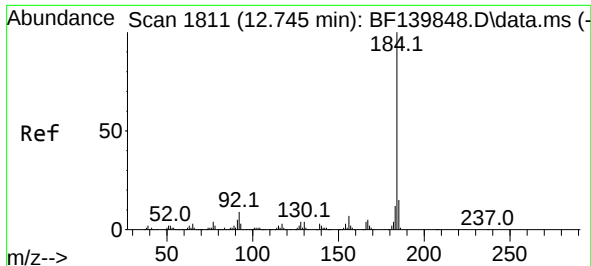
Tgt Ion:248 Resp: 14270
Ion Ratio Lower Upper
248 100
250 207.5 79.0 118.6#
141 486.2 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion:240 Resp: 293972
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 25.9 20.9 31.3

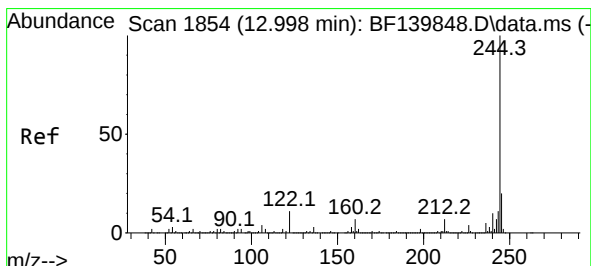
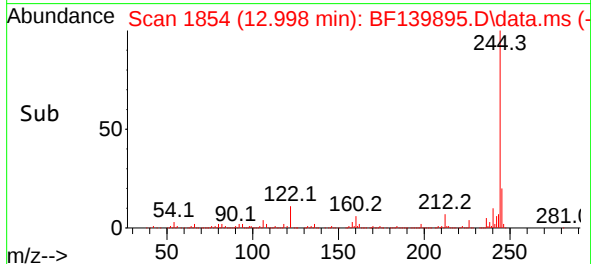
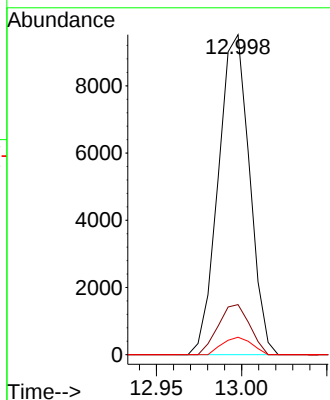
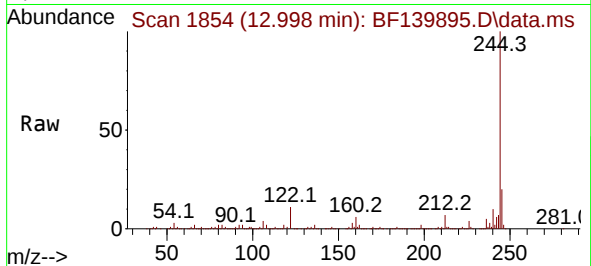




#77
Benzidine
Concen: 2.515 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

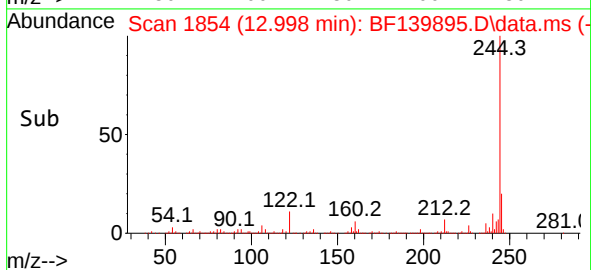
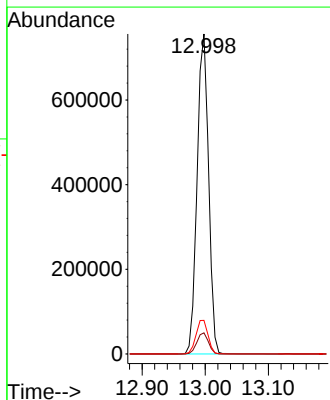
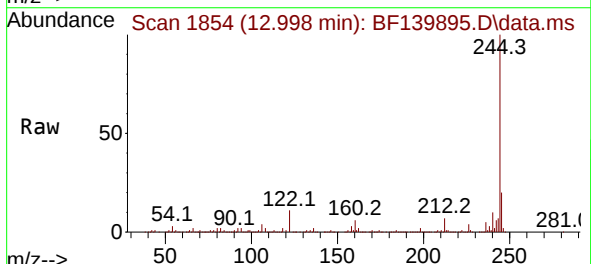
Instrument :
BNA_F
ClientSampleId :
TP-4

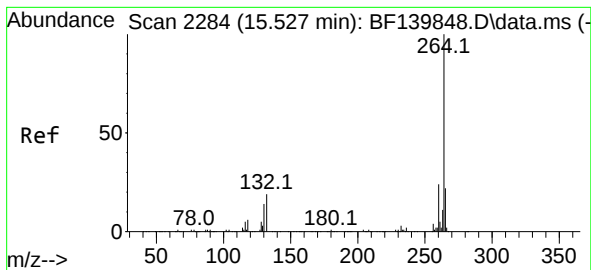
Tgt Ion:184 Resp: 12159
Ion Ratio Lower Upper
184 100
185 15.7 12.0 18.0
183 5.5 9.4 14.2#



#79
Terphenyl-d14
Concen: 52.606 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139895.D
Acq: 21 Oct 2024 11:27

Tgt Ion:244 Resp: 949052
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.5 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139895.D

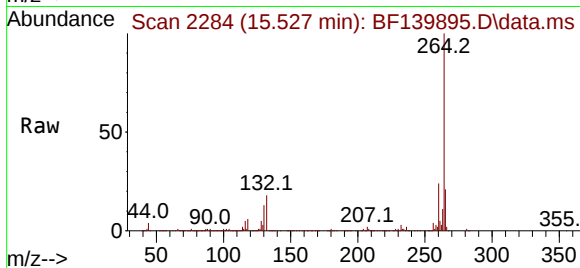
Acq: 21 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

TP-4



Tgt Ion:264 Resp: 346085

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.4 26.0

