

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139496.D
 Acq On : 20 Sep 2024 12:21
 Operator : RC/JU
 Sample : P4088-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-09RE

Quant Time: Sep 20 13:02:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

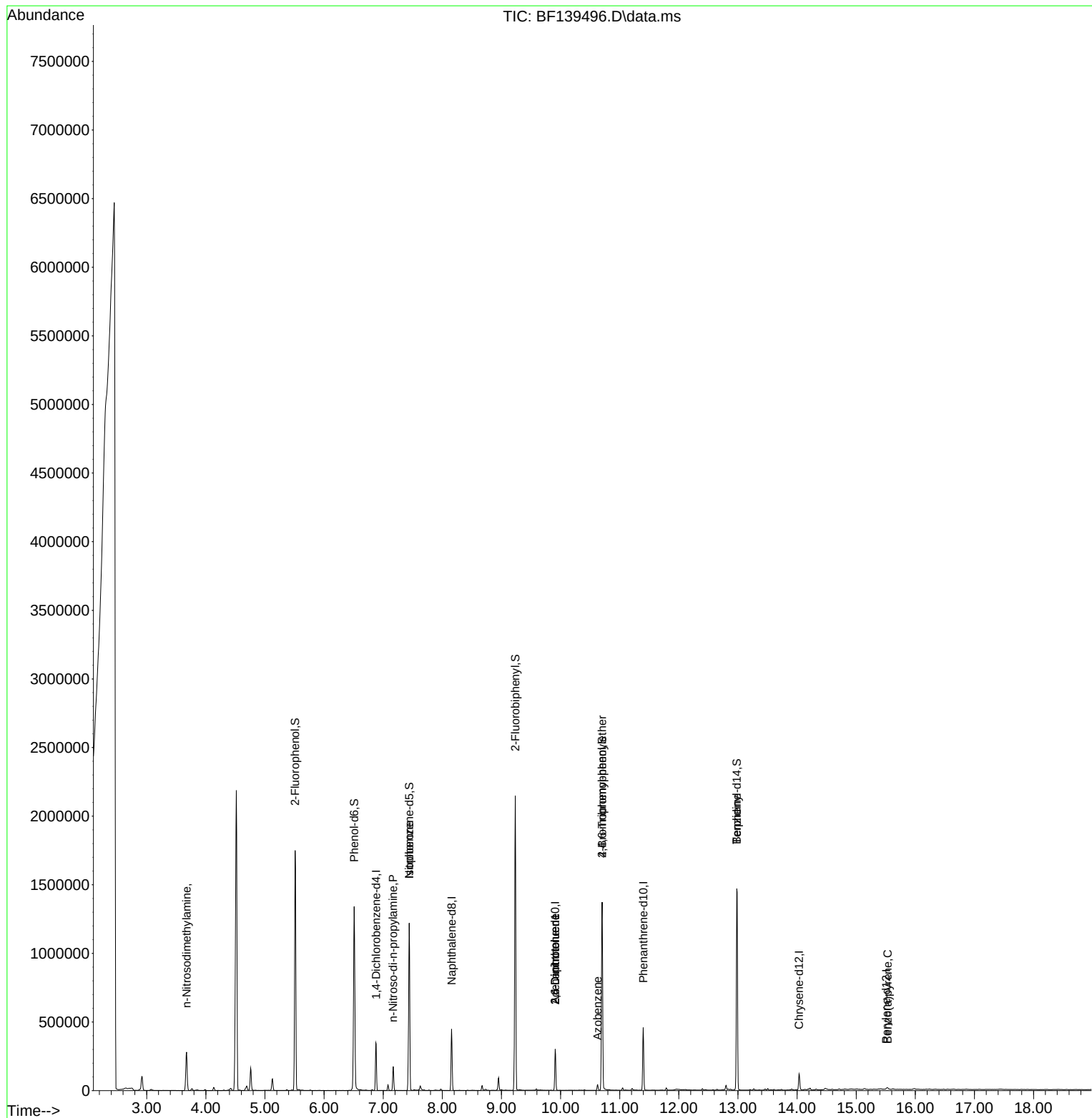
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70442	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	254236	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	70976	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	200805	20.000	ng	0.00
76) Chrysene-d12	14.033	240	39062	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	973	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	589906	136.615	ng	0.02
7) Phenol-d6	6.510	99	472922	83.442	ng	0.00
23) Nitrobenzene-d5	7.439	82	524354	96.960	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	211422	279.797	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	925322	182.848	ng	0.00
79) Terphenyl-d14	12.980	244	609424	256.081	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.675	42	8136	2.458	ng	# 1
19) n-Nitroso-di-n-propyla...	7.169	70	10511	3.130	ng	# 46
25) Isophorone	7.439	82	523322	61.188	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	9647	9.348	ng	# 17
57) 2,4-Dinitrotoluene	9.910	165	9647	6.924	ng	# 18
63) Azobenzene	10.627	77	9820	2.077	ng	# 6
67) 4-Bromophenyl-phenylether	10.704	248	14804	7.440	ng	# 1
77) Benzidine	12.980	184	10149	18.135	ng	# 90
90) Benzo(a)pyrene	15.533	252	115	2.311	ng	# 1

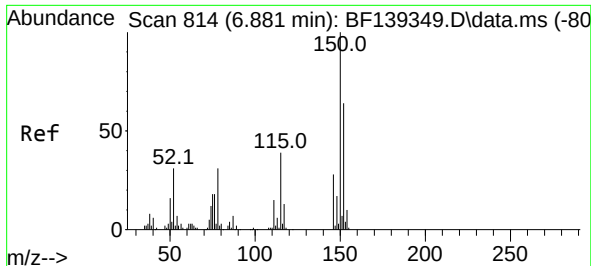
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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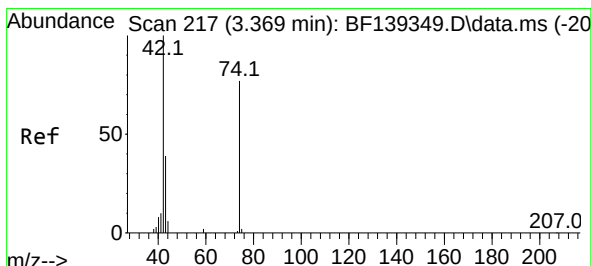
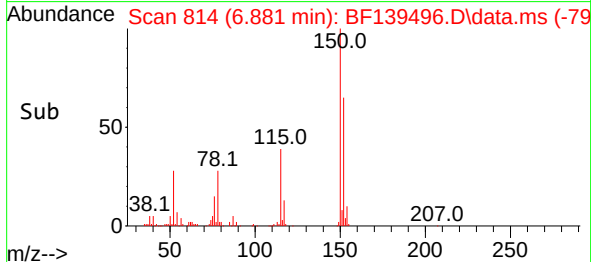
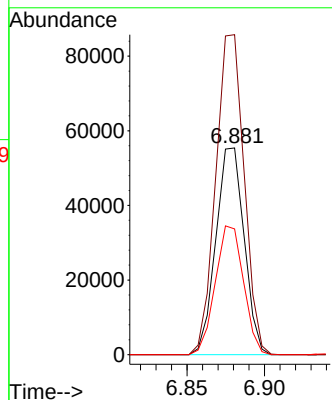
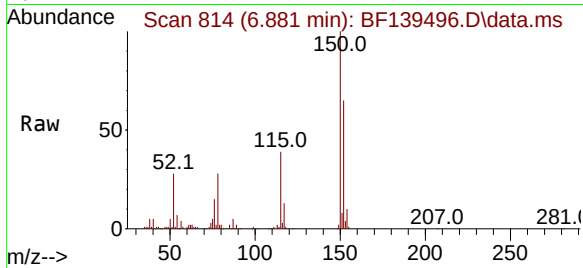




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

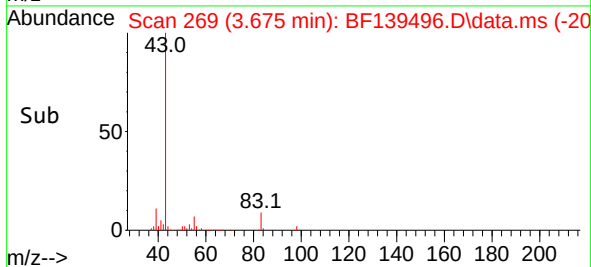
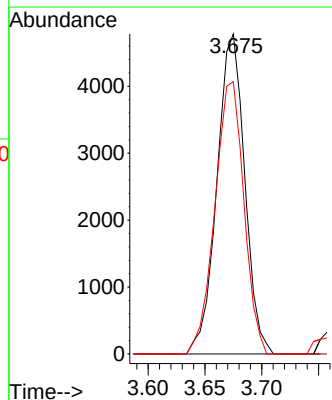
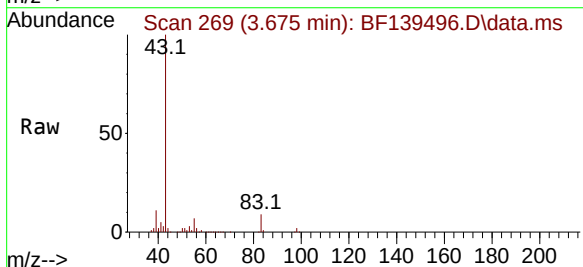
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09RE

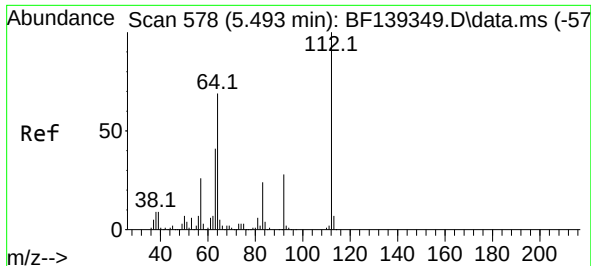
Tgt Ion:152 Resp: 70442
Ion Ratio Lower Upper
152 100
150 154.8 124.1 186.1
115 60.9 48.1 72.1



#4
n-Nitrosodimethylamine
Concen: 2.458 ng
RT: 3.675 min Scan# 269
Delta R.T. 0.306 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

Tgt Ion: 42 Resp: 8136
Ion Ratio Lower Upper
42 100
74 0.0 61.8 92.8#
44 85.1 4.8 7.2#

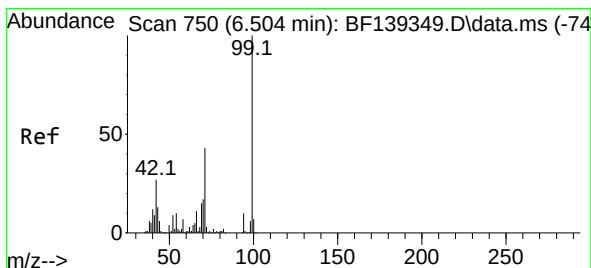
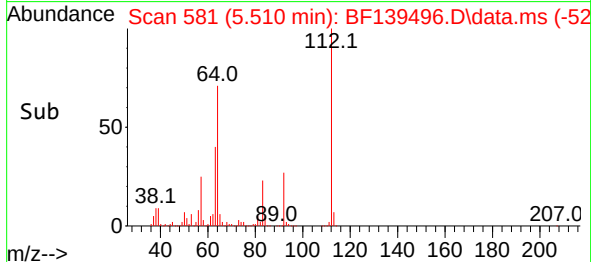
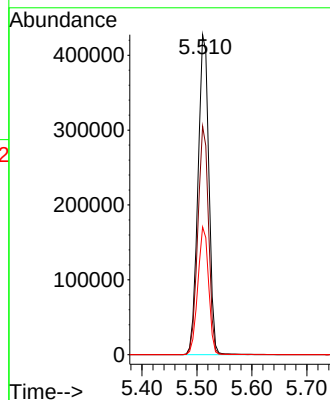
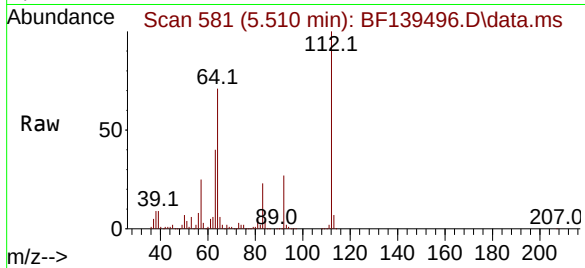




#5
2-Fluorophenol
Concen: 136.615 ng
RT: 5.510 min Scan# 510
Delta R.T. 0.017 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

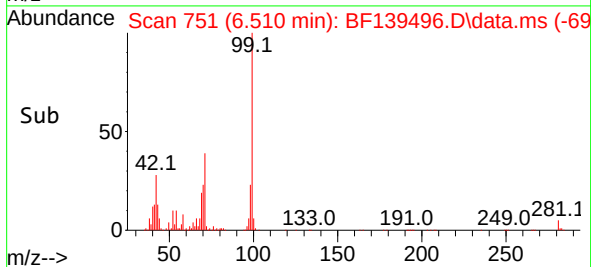
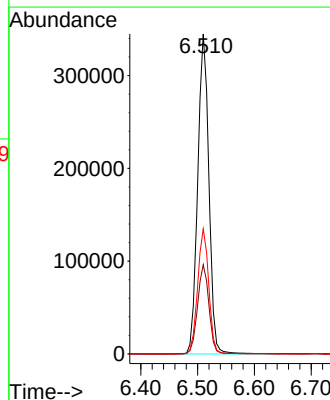
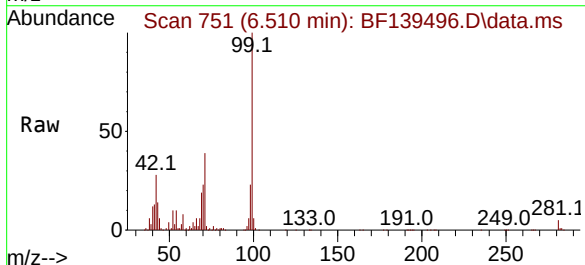
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09RE

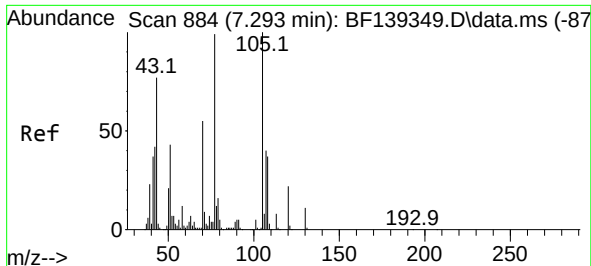
Tgt Ion:112 Resp: 589906
Ion Ratio Lower Upper
112 100
64 71.4 54.8 82.2
63 39.9 33.0 49.4



#7
Phenol-d6
Concen: 83.442 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

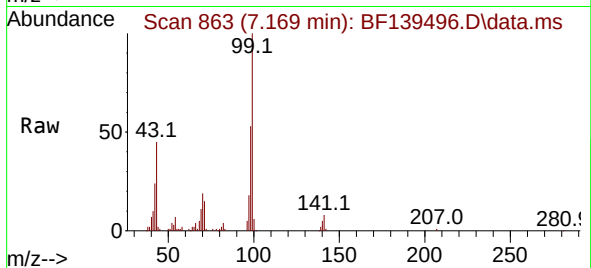
Tgt Ion: 99 Resp: 472922
Ion Ratio Lower Upper
99 100
42 27.9 21.9 32.9
71 39.1 34.6 52.0



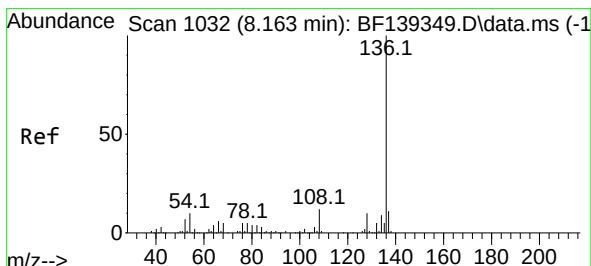
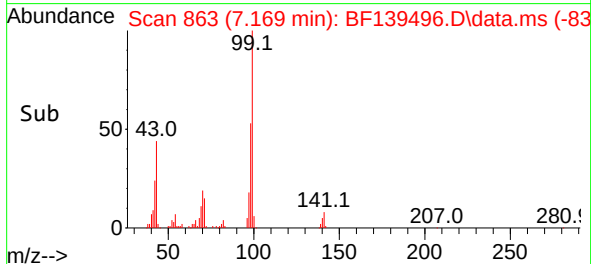
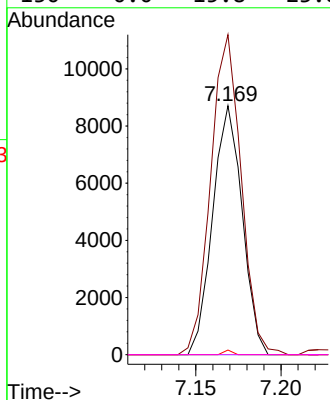


#19
n-Nitroso-di-n-propylamine
Concen: 3.130 ng
RT: 7.169 min Scan# 80
Delta R.T. -0.124 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09RE

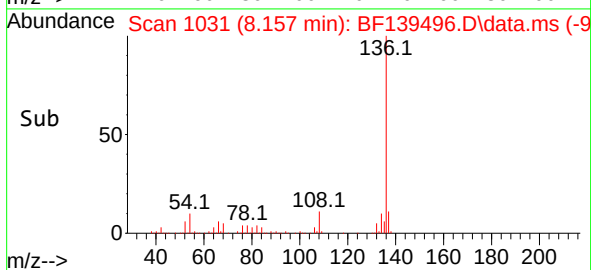
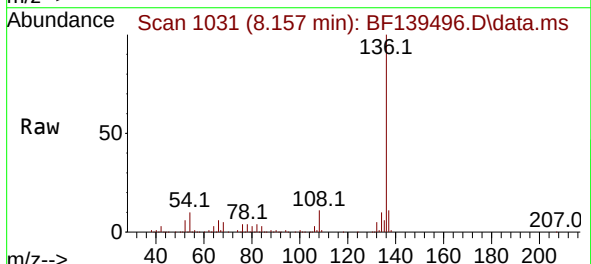
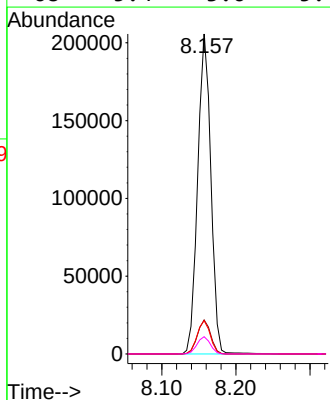


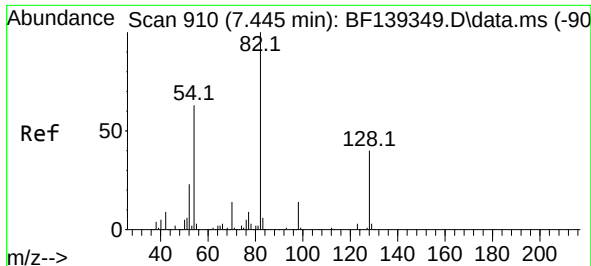
Tgt Ion: 70 Resp: 10511
Ion Ratio Lower Upper
70 100
42 128.5 61.2 91.8#
101 1.9 7.5 11.3#
130 0.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

Tgt Ion: 136 Resp: 254236
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.4 7.8 11.8
68 5.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 96.960 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09RE

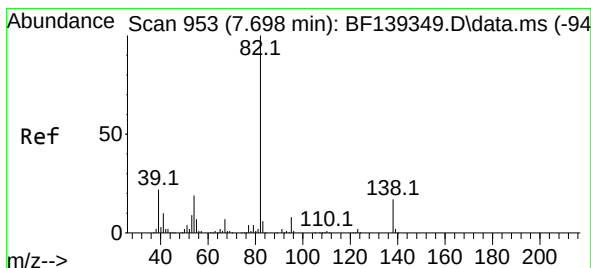
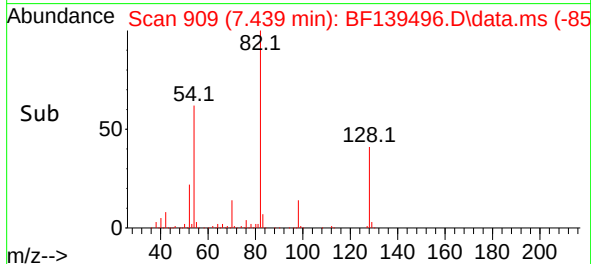
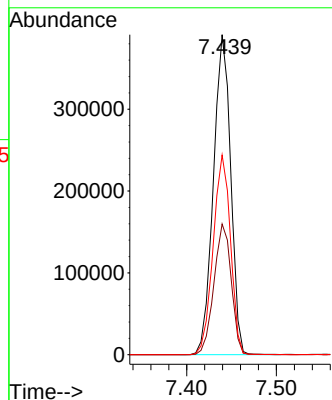
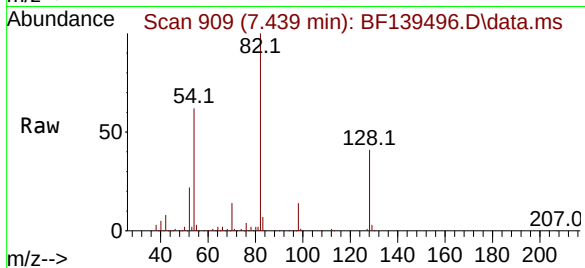
Tgt Ion: 82 Resp: 524354

Ion Ratio Lower Upper

82 100

128 40.9 31.8 47.6

54 62.4 50.6 75.8



#25

Isophorone

Concen: 61.188 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.259 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

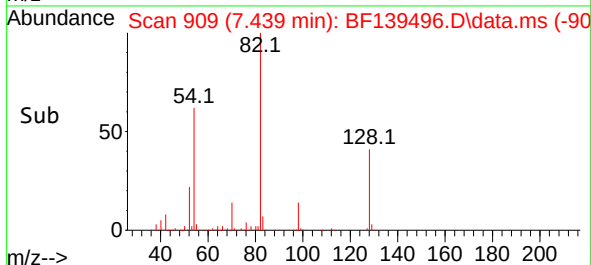
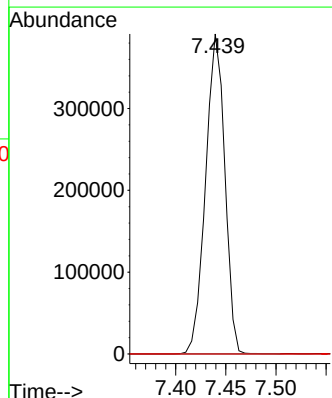
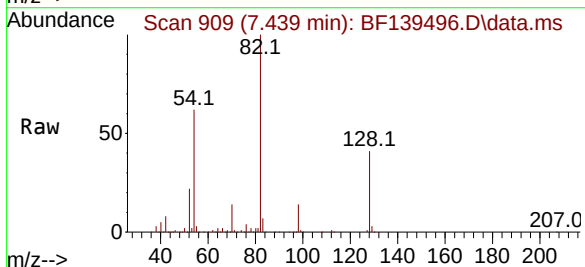
Tgt Ion: 82 Resp: 523322

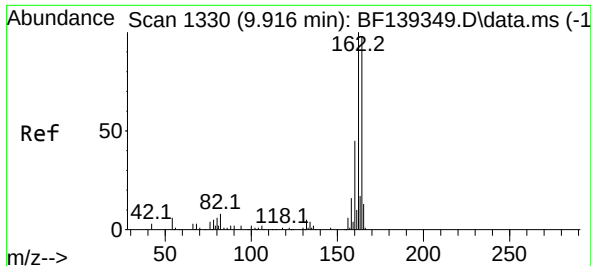
Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

138 0.0 13.3 19.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09RE

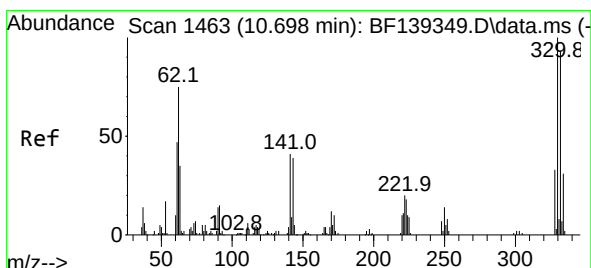
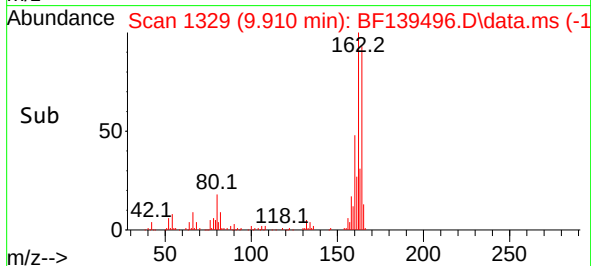
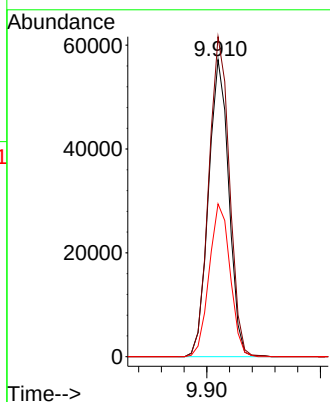
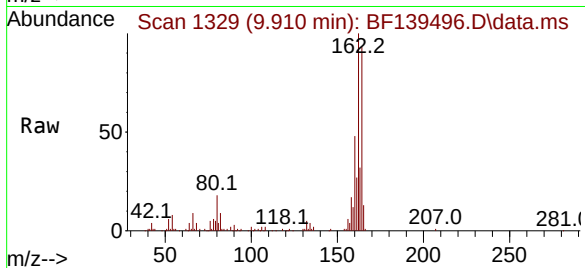
Tgt Ion:164 Resp: 70976

Ion Ratio Lower Upper

164 100

162 107.7 81.3 121.9

160 51.4 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 279.797 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

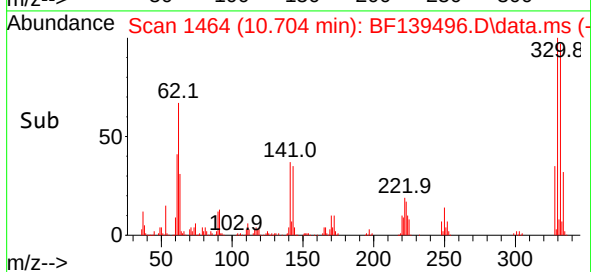
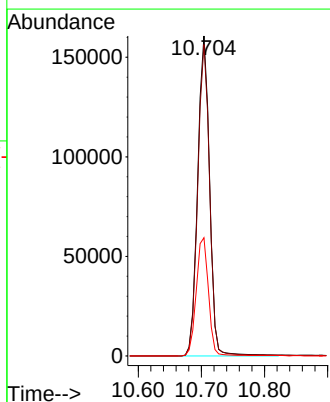
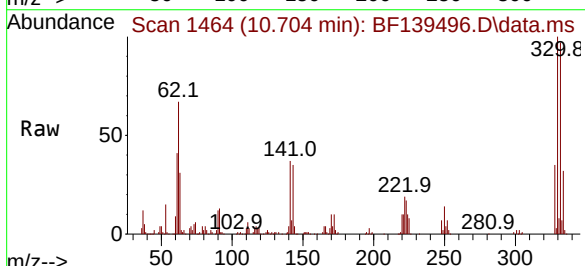
Tgt Ion:330 Resp: 211422

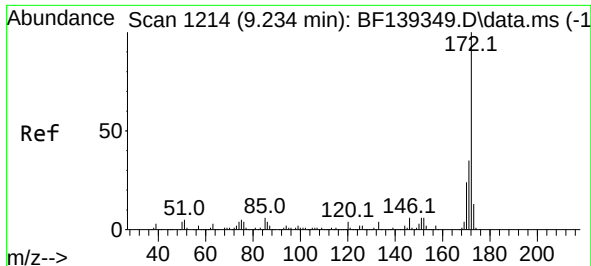
Ion Ratio Lower Upper

330 100

332 97.1 75.2 112.8

141 38.2 31.2 46.8

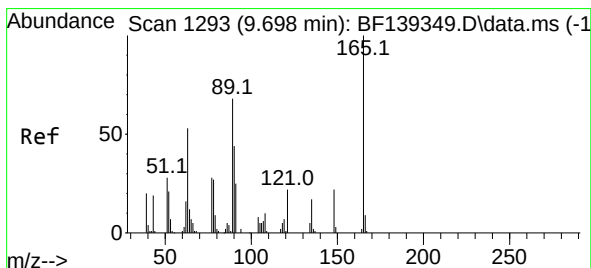
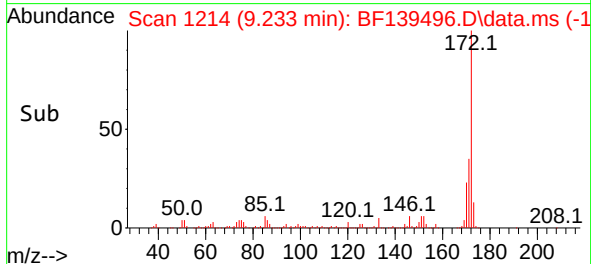
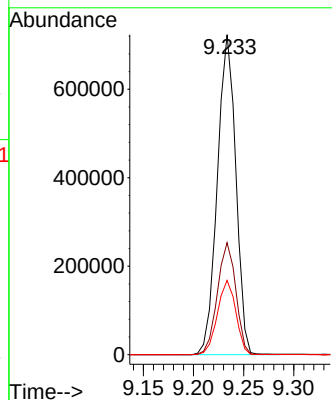
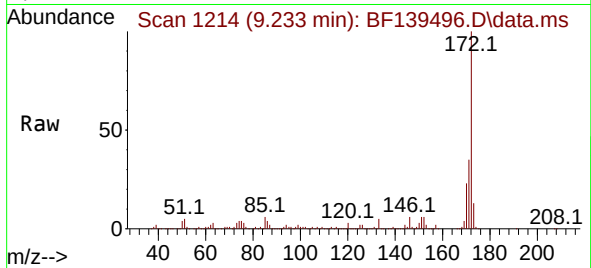




#45
2-Fluorobiphenyl
Concen: 182.848 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

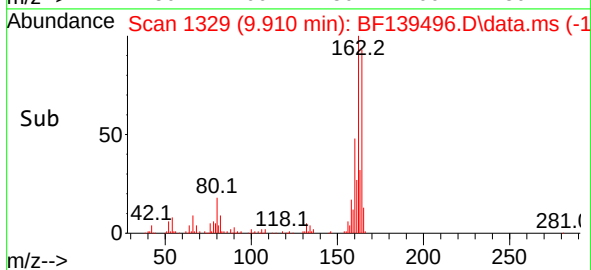
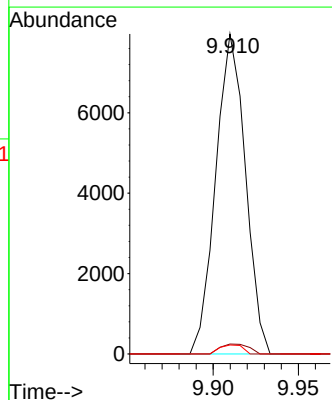
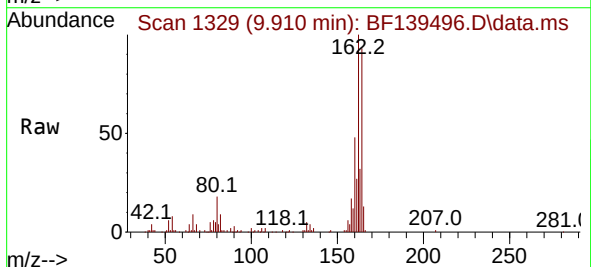
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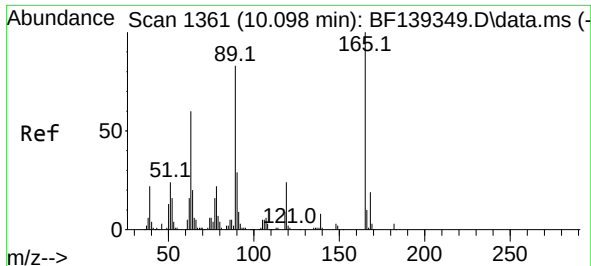
Tgt Ion:172 Resp: 925322
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.348 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

Tgt Ion:165 Resp: 9647
Ion Ratio Lower Upper
165 100
63 3.1 60.9 91.3#
89 2.8 54.7 82.1#

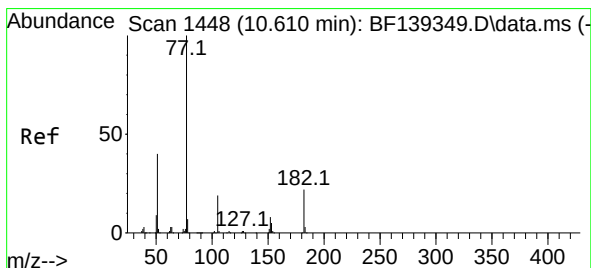
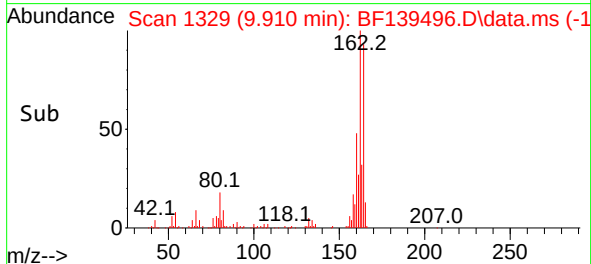
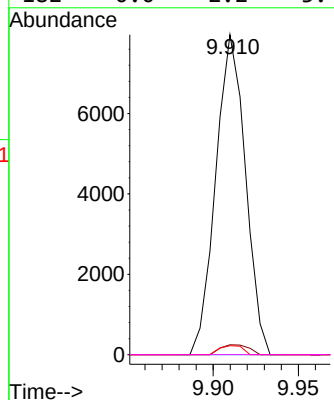
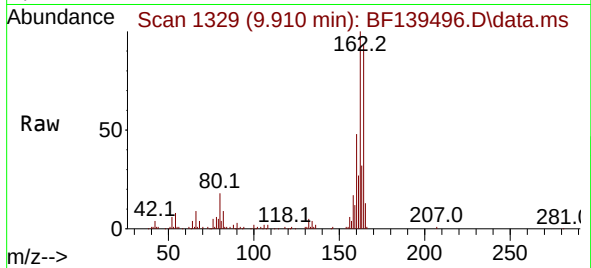




#57
2,4-Dinitrotoluene
Concen: 6.924 ng
RT: 9.910 min Scan# 1451
Delta R.T. -0.188 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

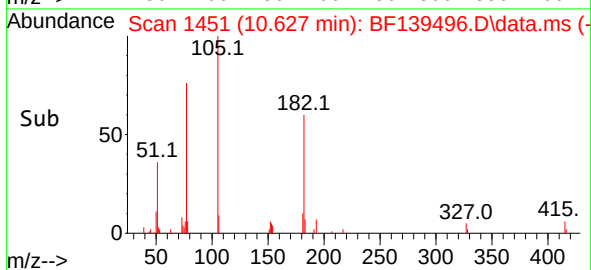
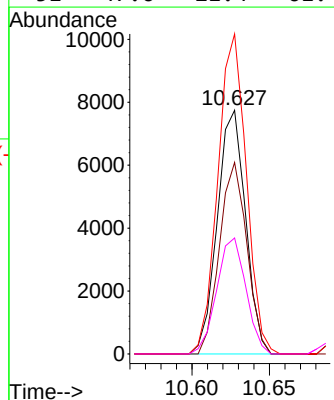
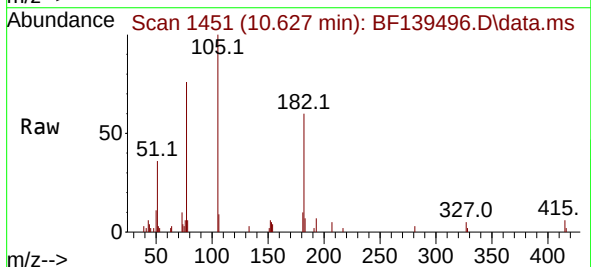
Instrument :
BNA_F
ClientSampleId :
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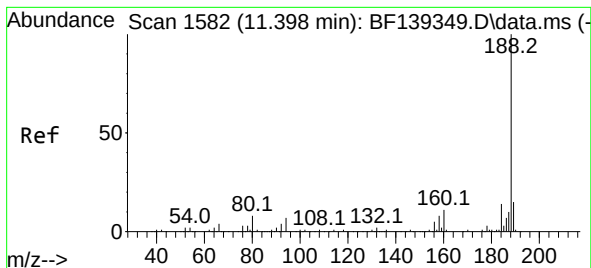
Tgt Ion:165 Resp: 9647
Ion Ratio Lower Upper
165 100
63 3.1 47.8 71.6#
89 2.8 66.7 100.1#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.077 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.018 min
Lab File: BF139496.D
Acq: 20 Sep 2024 12:21

Tgt Ion: 77 Resp: 9820
Ion Ratio Lower Upper
77 100
182 78.6 1.8 41.8#
105 131.4 0.0 38.6#
51 47.6 21.4 61.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09RE

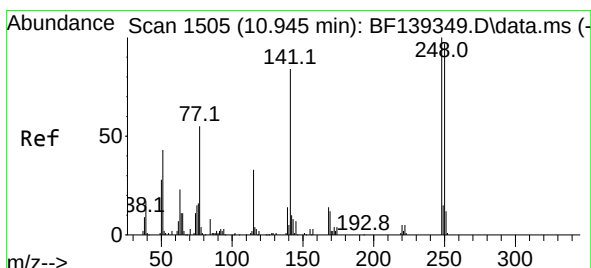
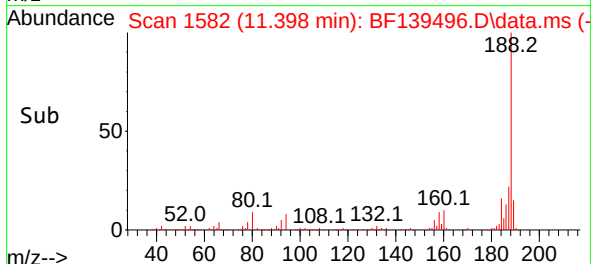
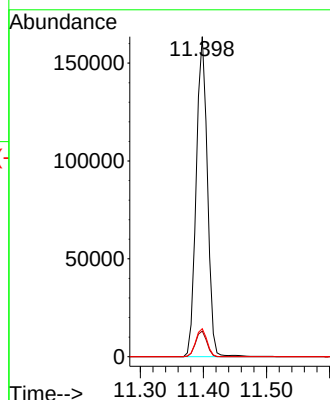
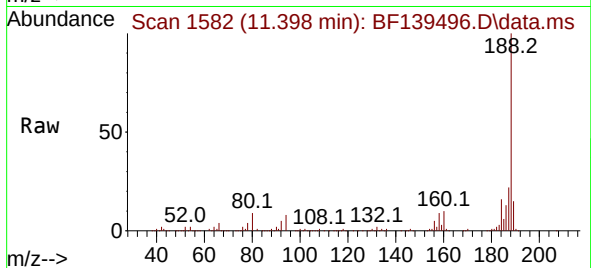
Tgt Ion:188 Resp: 200805

Ion Ratio Lower Upper

188 100

94 8.0 5.5 8.3

80 8.8 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 7.440 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

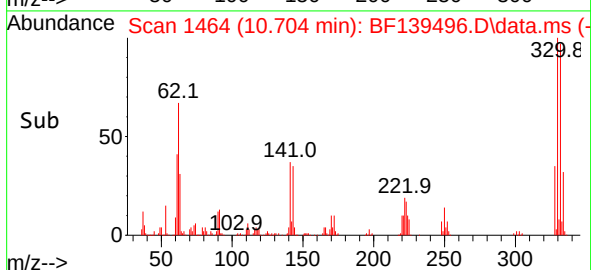
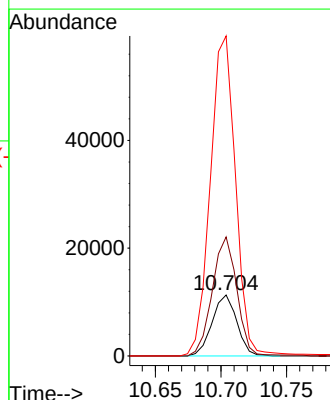
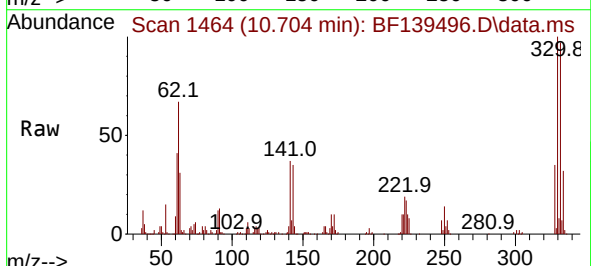
Tgt Ion:248 Resp: 14804

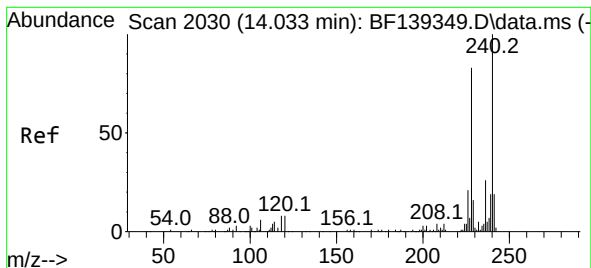
Ion Ratio Lower Upper

248 100

250 195.1 77.6 116.4#

141 524.5 66.9 100.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09RE

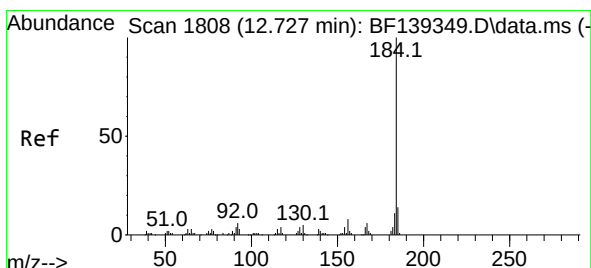
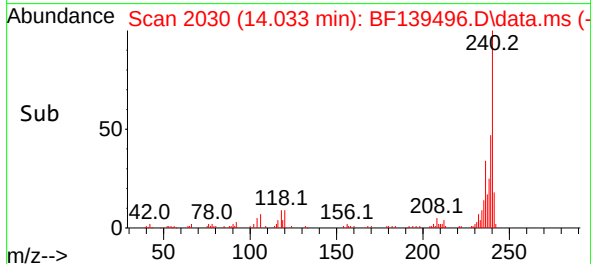
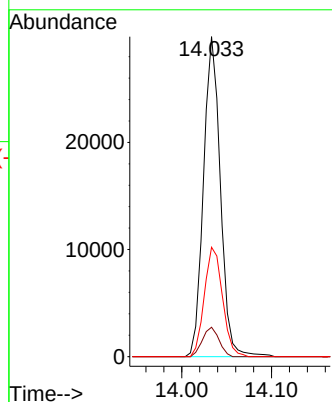
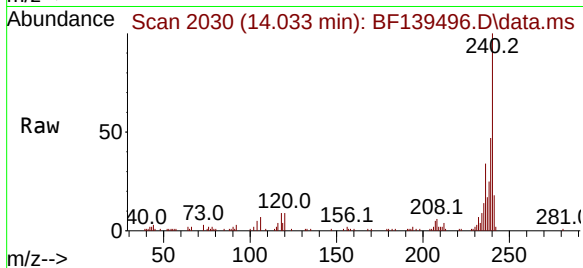
Tgt Ion:240 Resp: 39062

Ion Ratio Lower Upper

240 100

120 9.2 6.2 9.2

236 34.2 20.9 31.3#



#77

Benzidine

Concen: 18.135 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139496.D

Acq: 20 Sep 2024 12:21

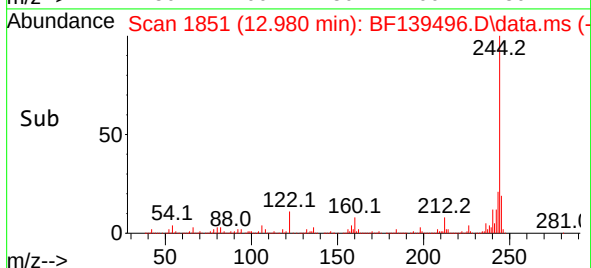
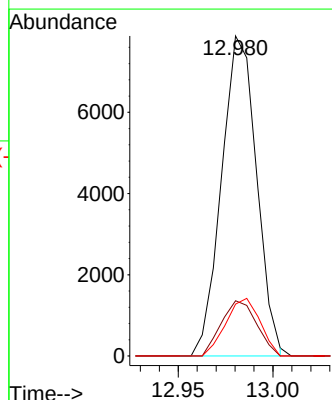
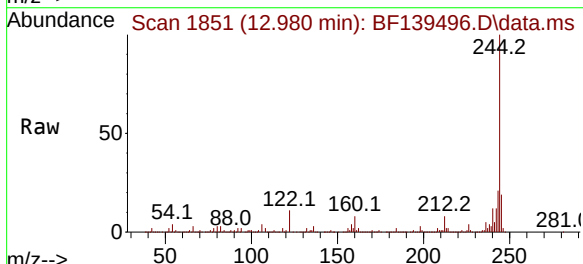
Tgt Ion:184 Resp: 10149

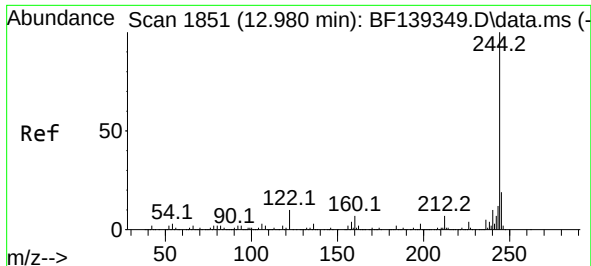
Ion Ratio Lower Upper

184 100

185 17.3 11.5 17.3

183 16.2 8.9 13.3#

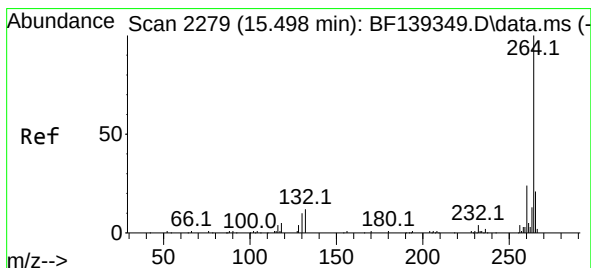
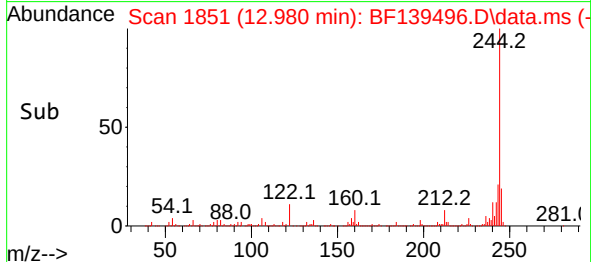
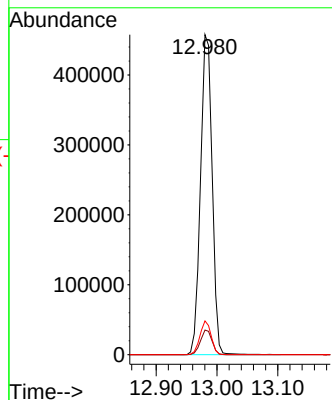
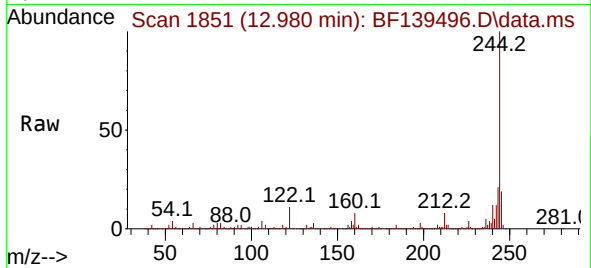




#79
 Terphenyl-d14
 Concen: 256.081 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139496.D
 Acq: 20 Sep 2024 12:21

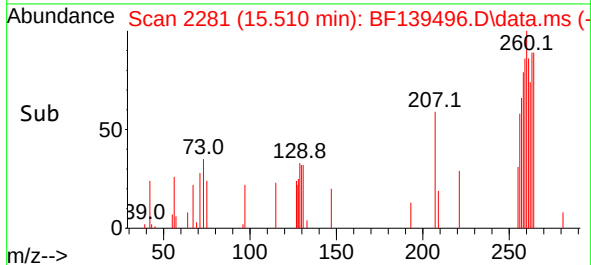
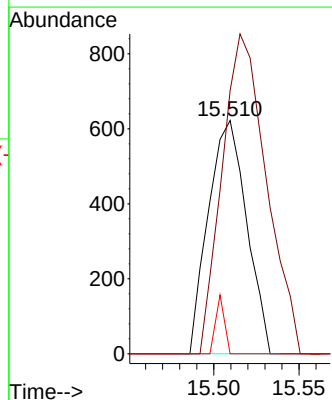
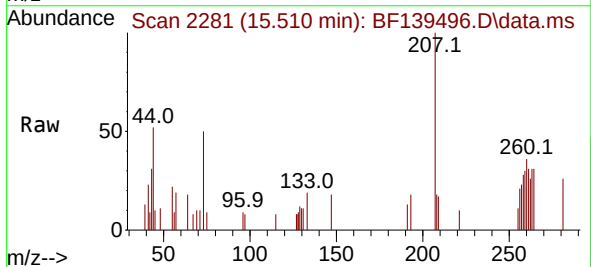
Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-09RE

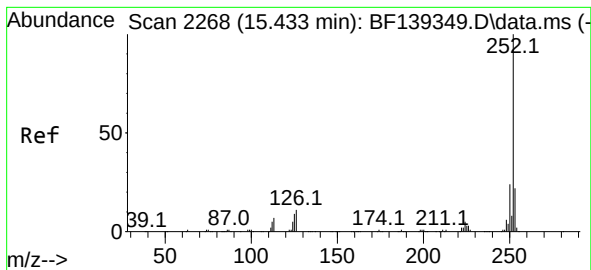
Tgt Ion:244 Resp: 609424
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 10.5 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.012 min
 Lab File: BF139496.D
 Acq: 20 Sep 2024 12:21

Tgt Ion:264 Resp: 973
 Ion Ratio Lower Upper
 264 100
 260 112.9 19.5 29.3#
 265 0.0 16.6 25.0#





#90

Benzo(a)pyrene

Concen: 2.311 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.100 min

Lab File: BF139496.D

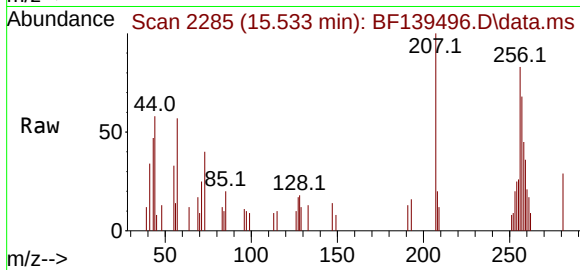
Acq: 20 Sep 2024 12:21

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09RE



Tgt Ion:252 Resp: 115

Ion Ratio Lower Upper

252 100

253 220.1 17.3 25.9#

125 0.0 6.8 10.2#

