

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139495.D
 Acq On : 20 Sep 2024 11:52
 Operator : RC/JU
 Sample : P4097-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2299RE

Quant Time: Sep 20 12:30:50 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)

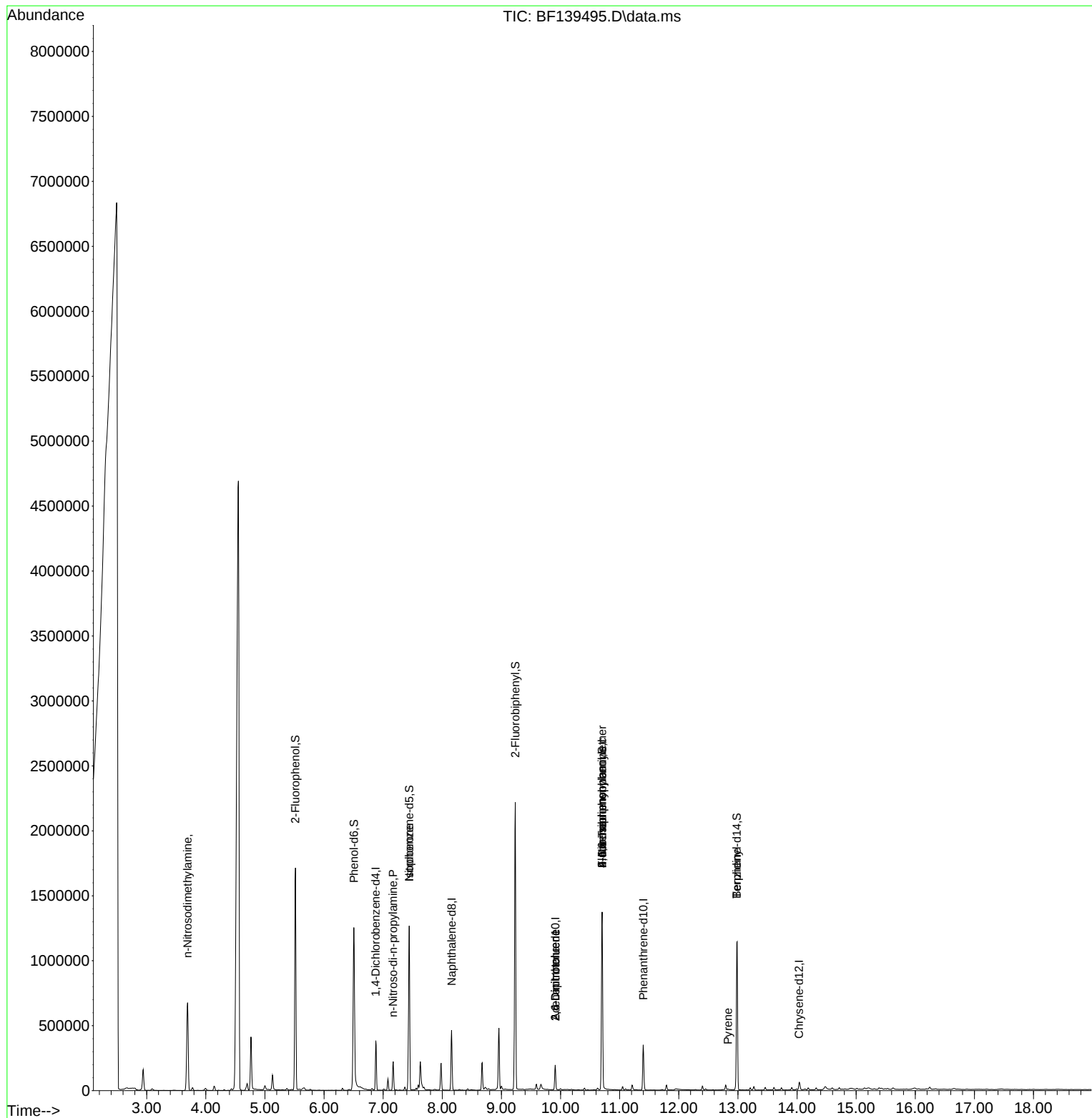
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73301	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	256815	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	43060	20.000	ng	# 0.00
64) Phenanthrene-d10	11.398	188	129039	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	13234	20.000	ng	# 0.00
86) Perylene-d12	0.000	264	0	0.000	ng	-15.50
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	587469	130.744	ng	0.02
7) Phenol-d6	6.504	99	294288	49.898	ng	0.00
23) Nitrobenzene-d5	7.440	82	550047	100.689	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	216344	471.928	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	975265	317.656	ng	0.00
79) Terphenyl-d14	12.980	244	380073	471.398	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.693	42	19984	5.801	ng	# 4
19) n-Nitroso-di-n-propyla...	7.169	70	12732	3.643	ng	# 47
25) Isophorone	7.440	82	548530	63.491	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	5327	8.508	ng	# 20
57) 2,4-Dinitrotoluene	9.910	165	5327	6.302	ng	# 21
58) Fluorene	10.704	166	8679	2.933	ng	# 85
66) n-Nitrosodiphenylamine	10.704	169	7655	2.029	ng	# 50
67) 4-Bromophenyl-phenylether	10.704	248	14948	11.690	ng	# 1
77) Benzidine	12.980	184	6670	35.178	ng	# 77
78) Pyrene	12.833	202	3407	2.998	ng	97

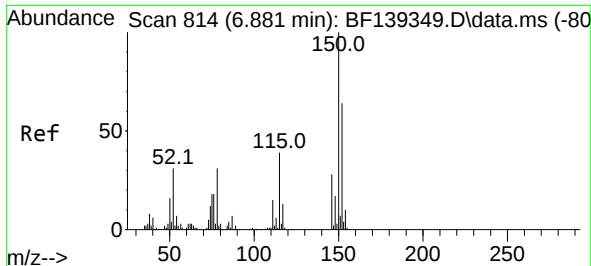
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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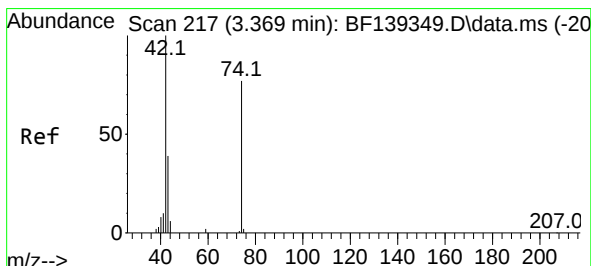
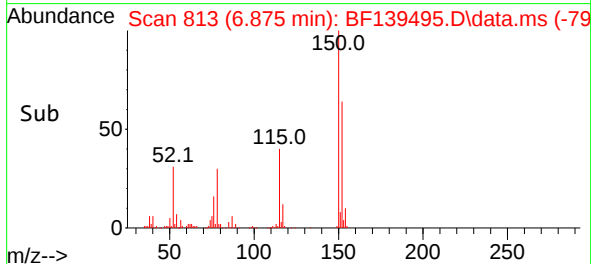
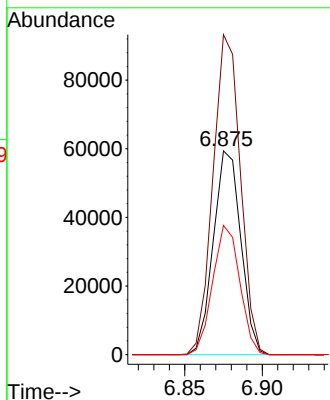
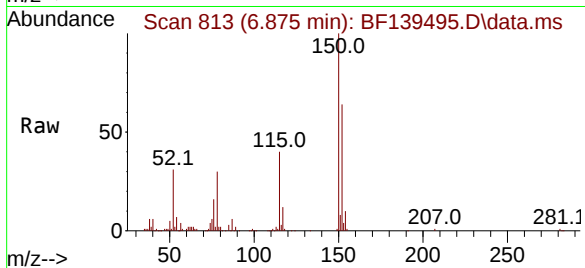




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

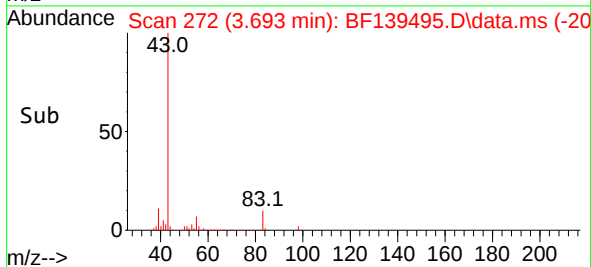
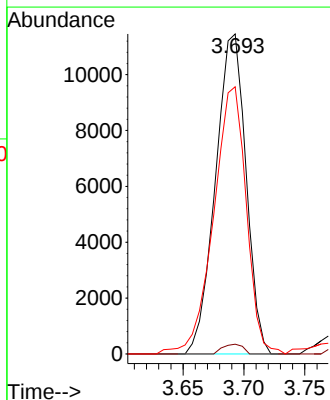
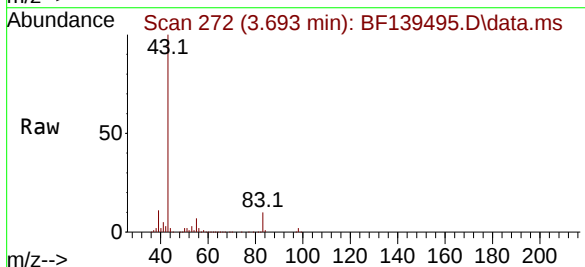
Instrument :
BNA_F
ClientSampleId :
RT2299RE

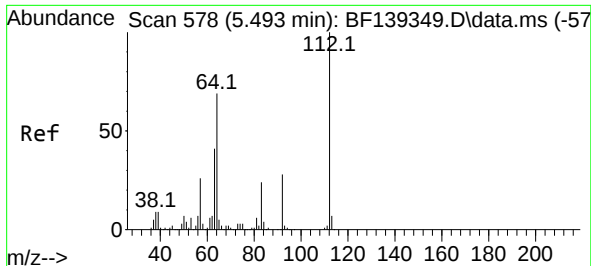
Tgt Ion:152 Resp: 73301
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 63.4 48.1 72.1



#4
n-Nitrosodimethylamine
Concen: 5.801 ng
RT: 3.693 min Scan# 272
Delta R.T. 0.324 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion: 42 Resp: 19984
Ion Ratio Lower Upper
42 100
74 3.1 61.8 92.8#
44 83.5 4.8 7.2#

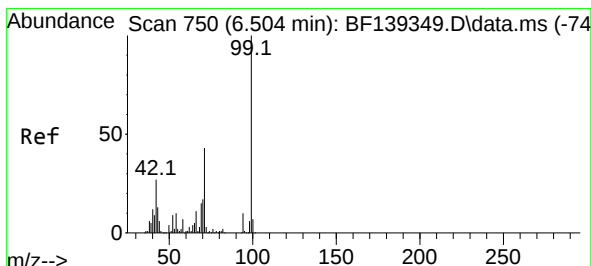
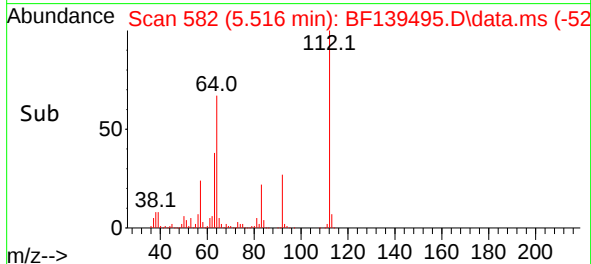
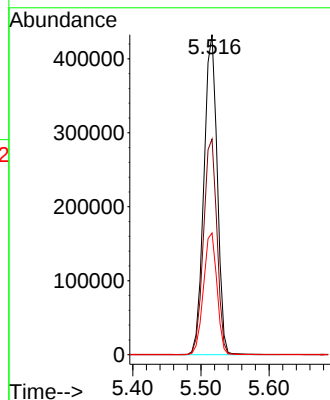
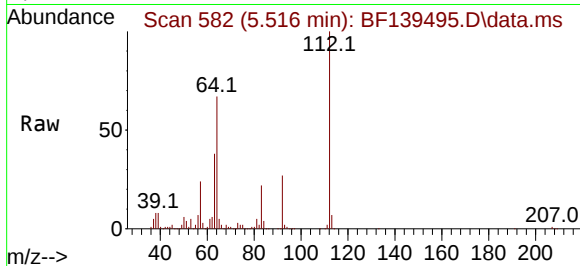




#5
2-Fluorophenol
Concen: 130.744 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

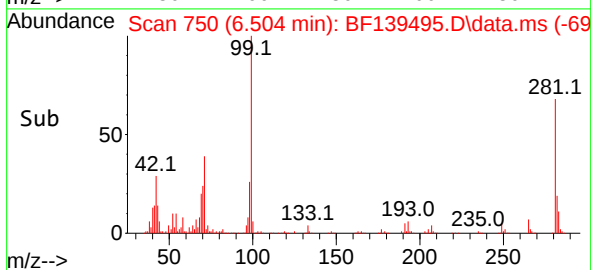
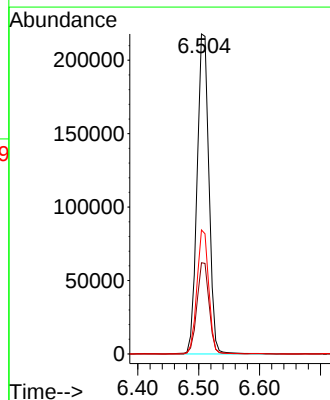
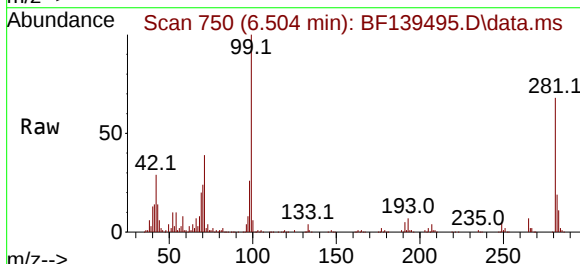
Instrument :
BNA_F
ClientSampleId :
RT2299RE

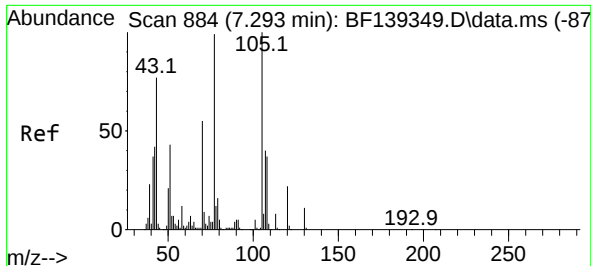
Tgt Ion:112 Resp: 587469
Ion Ratio Lower Upper
112 100
64 67.4 54.8 82.2
63 38.1 33.0 49.4



#7
Phenol-d6
Concen: 49.898 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion: 99 Resp: 294288
Ion Ratio Lower Upper
99 100
42 28.5 21.9 32.9
71 38.7 34.6 52.0

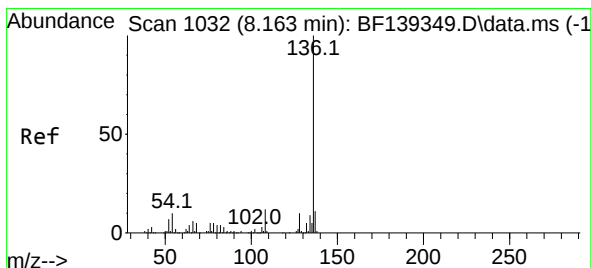
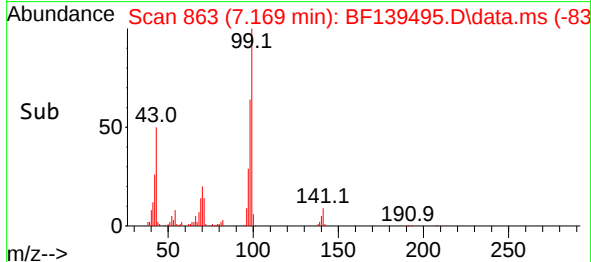
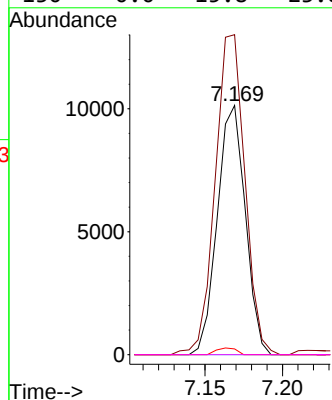
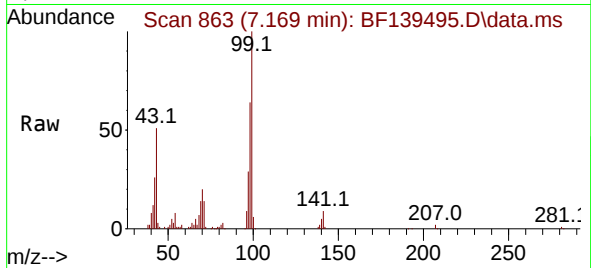




#19
n-Nitroso-di-n-propylamine
Concen: 3.643 ng
RT: 7.169 min Scan# 80
Delta R.T. -0.123 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

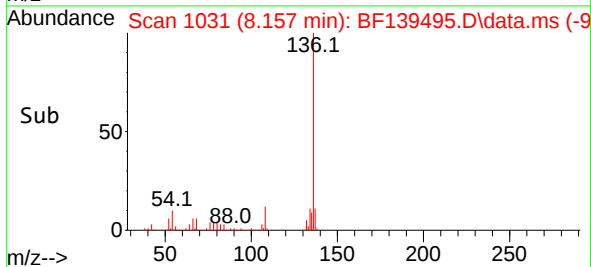
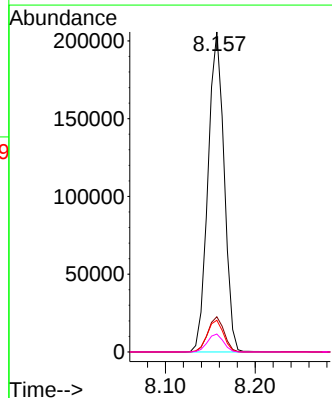
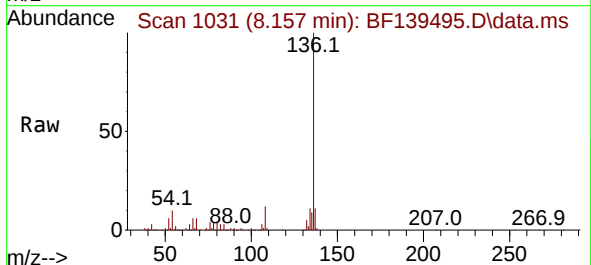
Instrument :
BNA_F
ClientSampleId :
RT2299RE

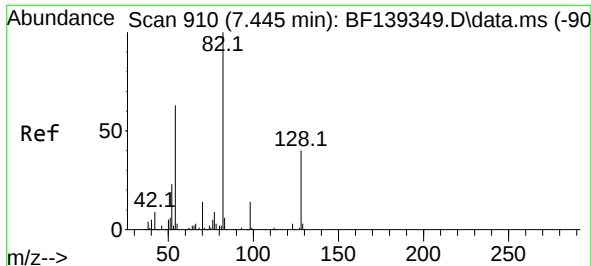
Tgt Ion: 70 Resp: 12732
Ion Ratio Lower Upper
70 100
42 128.4 61.2 91.8#
101 2.3 7.5 11.3#
130 0.0 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion: 136 Resp: 256815
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.9 7.8 11.8
68 5.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 100.689 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

Instrument :

BNA_F

ClientSampleId :

RT2299RE

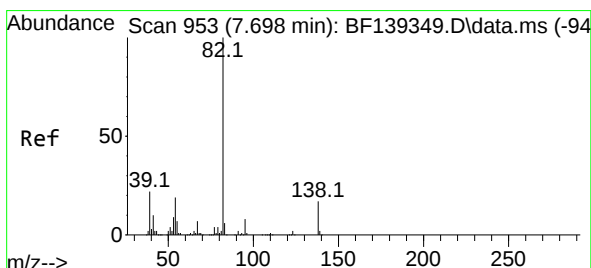
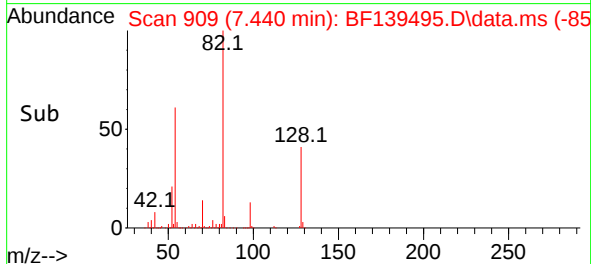
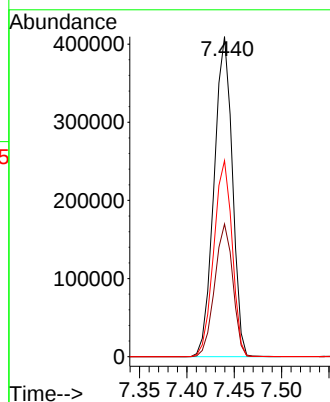
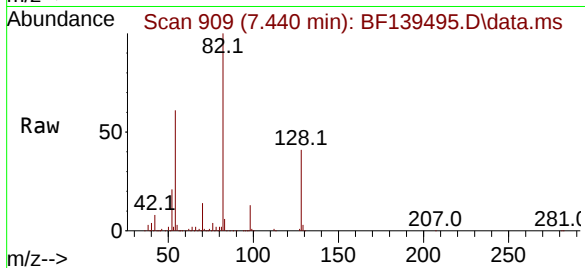
Tgt Ion: 82 Resp: 550047

Ion Ratio Lower Upper

82 100

128 41.5 31.8 47.6

54 61.2 50.6 75.8



#25

Isophorone

Concen: 63.491 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.259 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

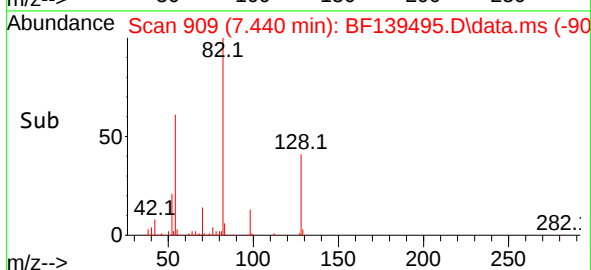
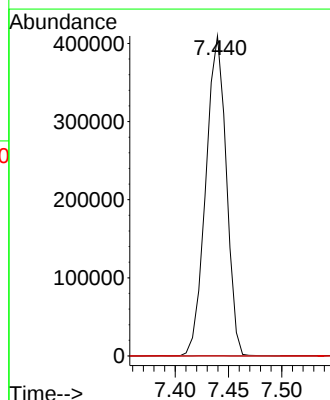
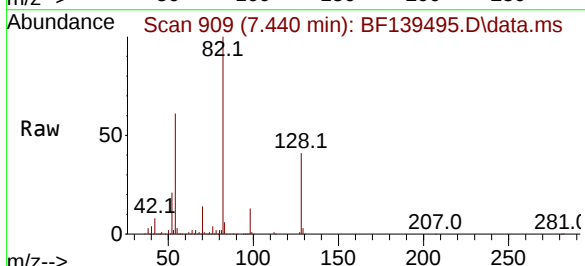
Tgt Ion: 82 Resp: 548530

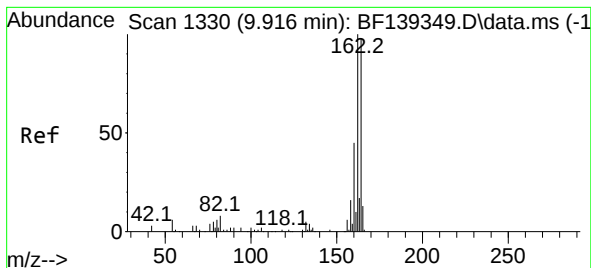
Ion Ratio Lower Upper

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: BF139495.D

Acq: 20 Sep 2024 11:52

Instrument :

BNA_F

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RT2299RE

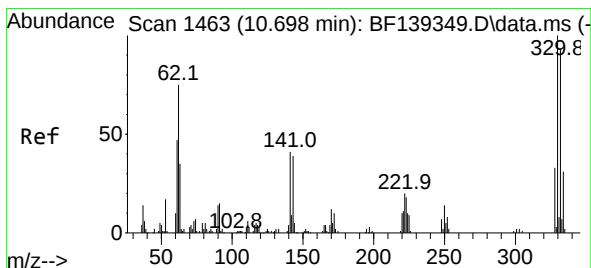
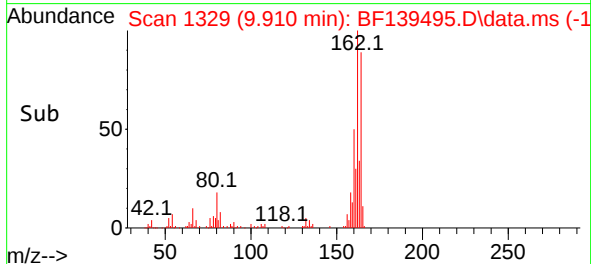
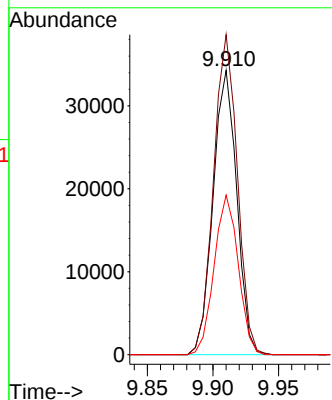
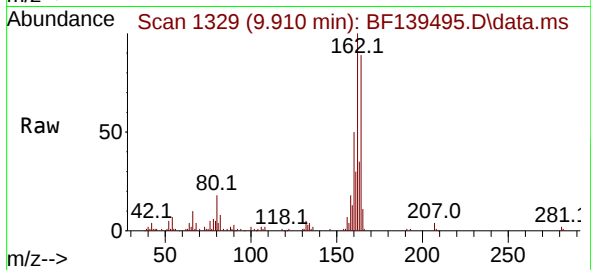
Tgt Ion:164 Resp: 43060

Ion Ratio Lower Upper

164 100

162 112.6 81.3 121.9

160 56.1 36.4 54.6#



#42

2,4,6-Tribromophenol

Concen: 471.928 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

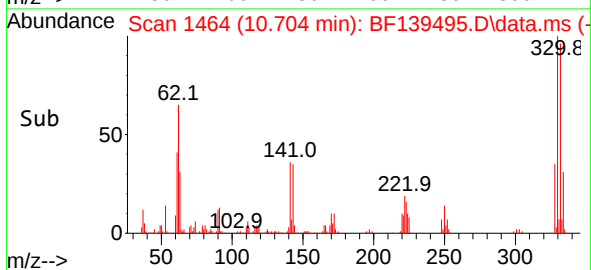
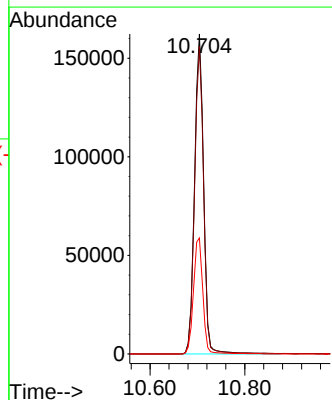
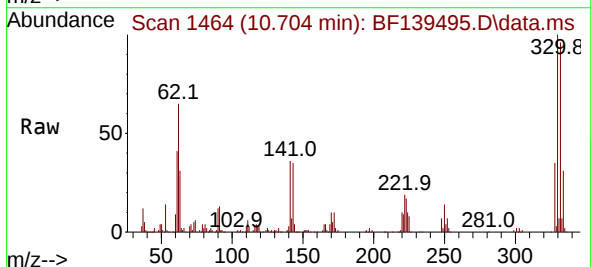
Tgt Ion:330 Resp: 216344

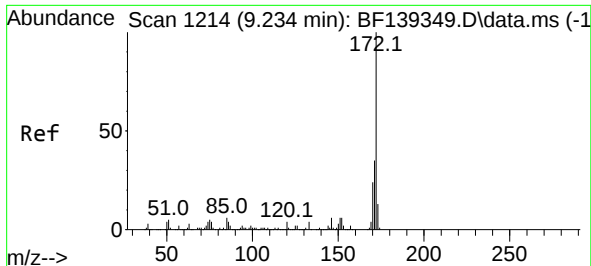
Ion Ratio Lower Upper

330 100

332 96.1 75.2 112.8

141 37.5 31.2 46.8

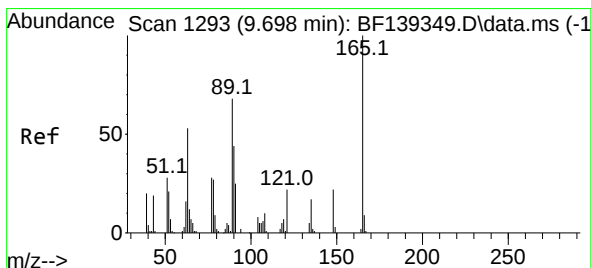
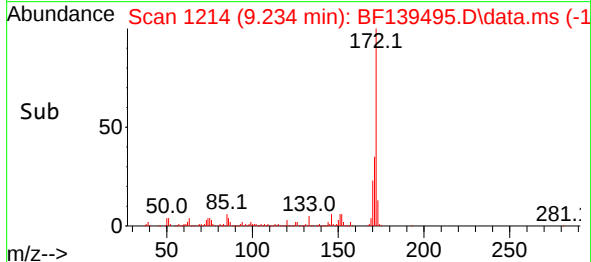
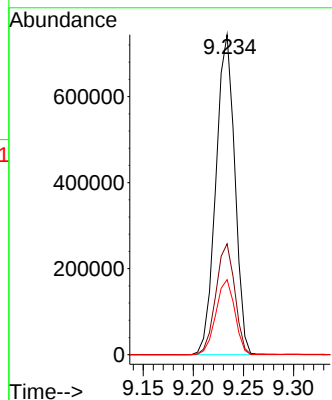
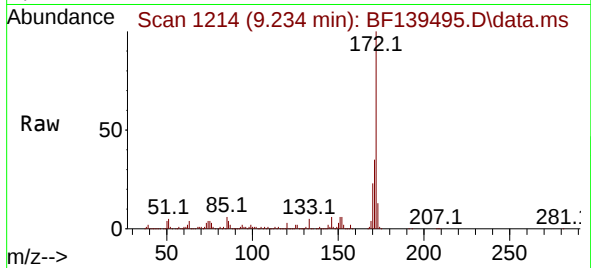




#45
2-Fluorobiphenyl
Concen: 317.656 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

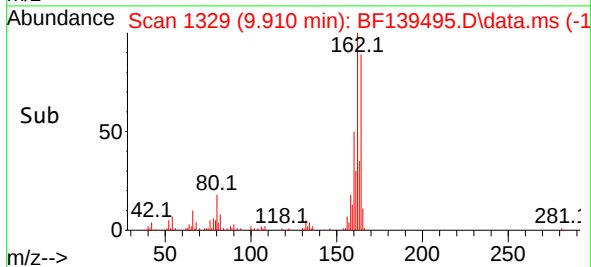
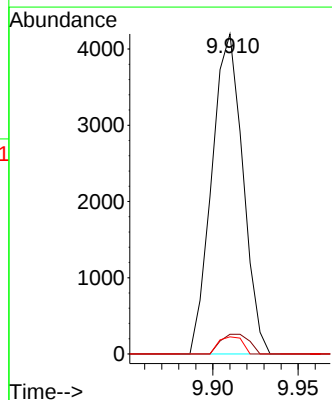
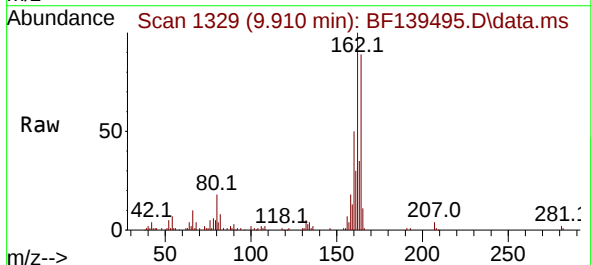
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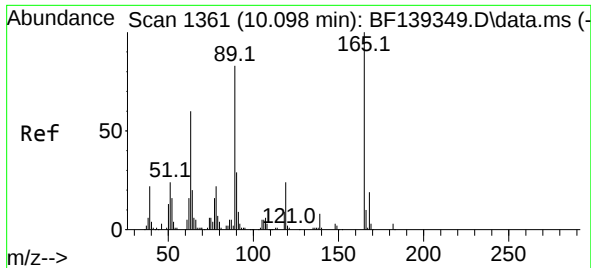
Tgt Ion:172 Resp: 975265
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.508 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion:165 Resp: 5327
Ion Ratio Lower Upper
165 100
63 6.2 60.9 91.3#
89 5.3 54.7 82.1#

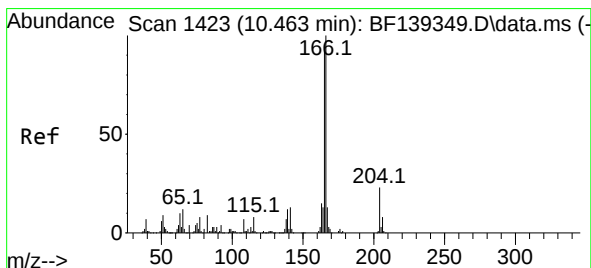
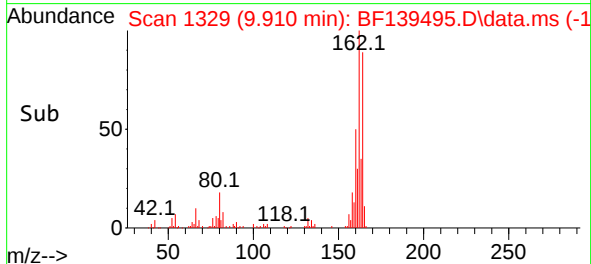
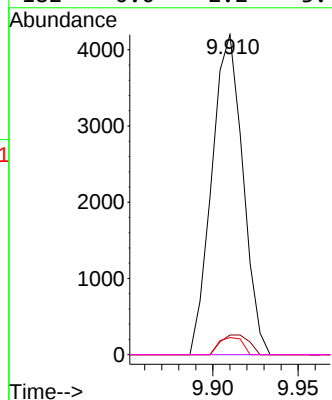
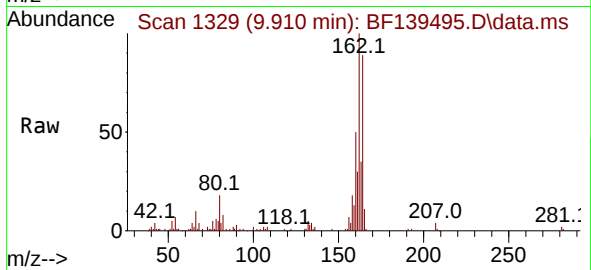




#57
2,4-Dinitrotoluene
Concen: 6.302 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

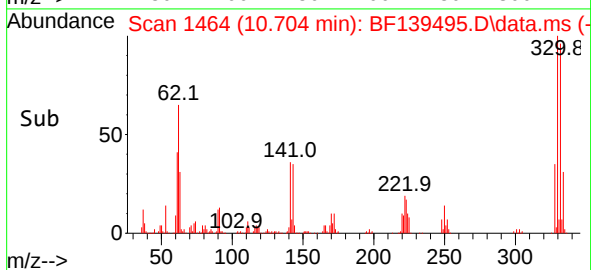
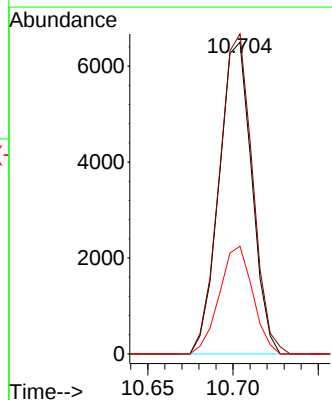
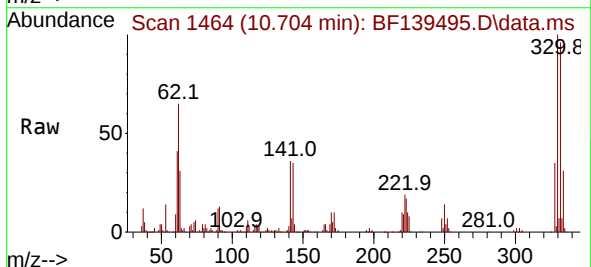
Instrument :
BNA_F
ClientSampleId :
RT2299RE

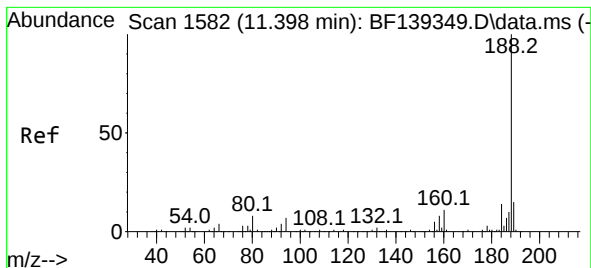
Tgt Ion:165 Resp: 5327
Ion Ratio Lower Upper
165 100
63 6.2 47.8 71.6#
89 5.3 66.7 100.1#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 2.933 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.241 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion:166 Resp: 8679
Ion Ratio Lower Upper
166 100
165 102.7 74.5 111.7
167 34.5 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

Instrument :

BNA_F

ClientSampleId :

RT2299RE

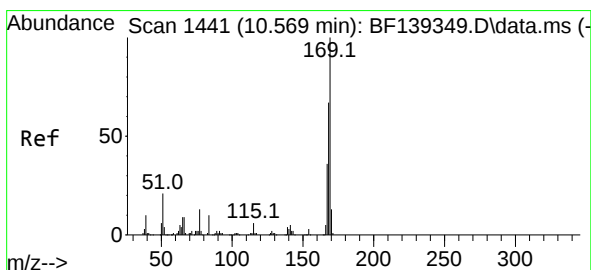
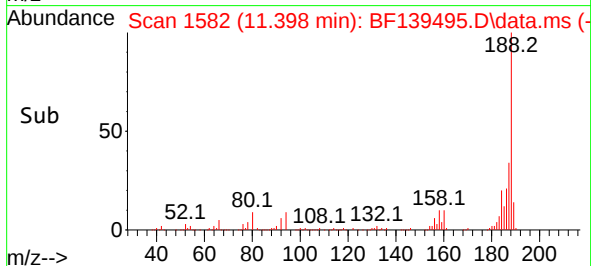
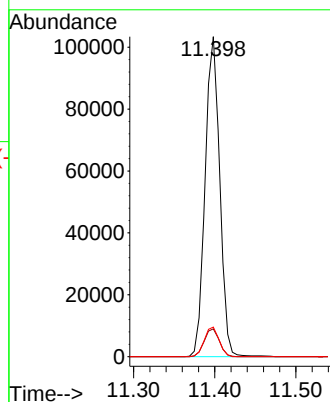
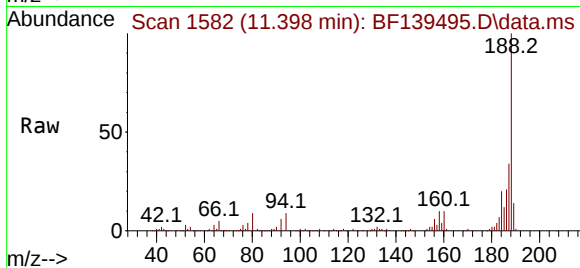
Tgt Ion:188 Resp: 129039

Ion Ratio Lower Upper

188 100

94 8.7 5.5 8.3#

80 9.2 6.6 9.8



#66

n-Nitrosodiphenylamine

Concen: 2.029 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.135 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

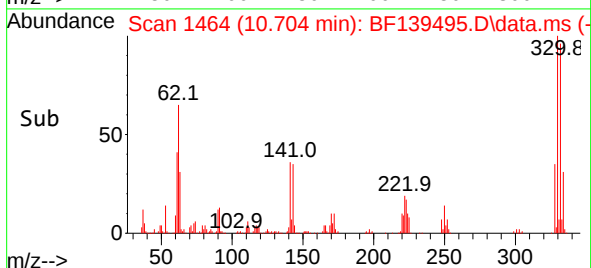
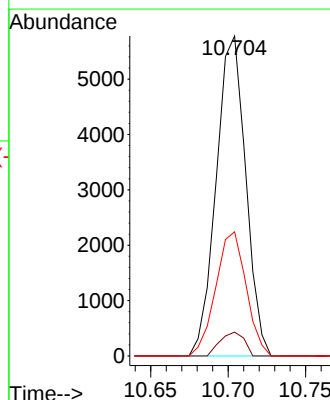
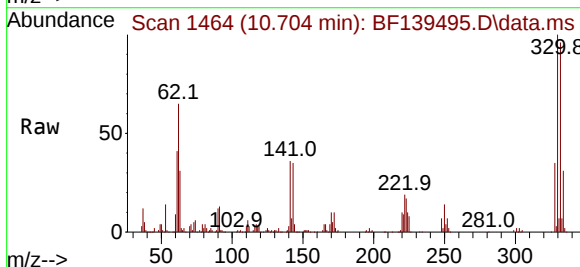
Tgt Ion:169 Resp: 7655

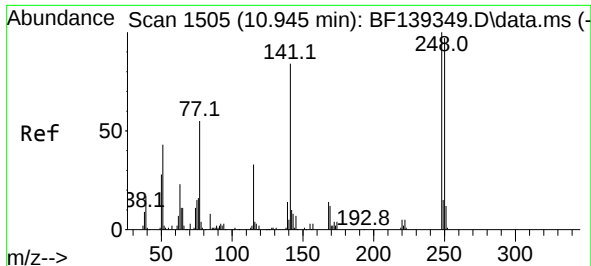
Ion Ratio Lower Upper

169 100

168 7.5 53.6 80.4#

167 38.8 28.7 43.1

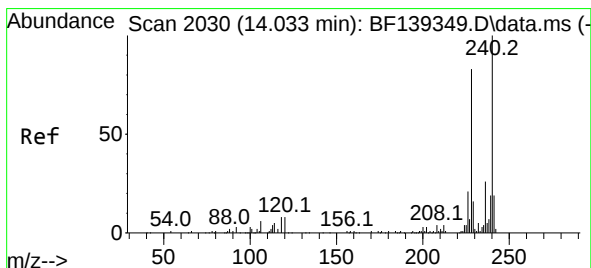
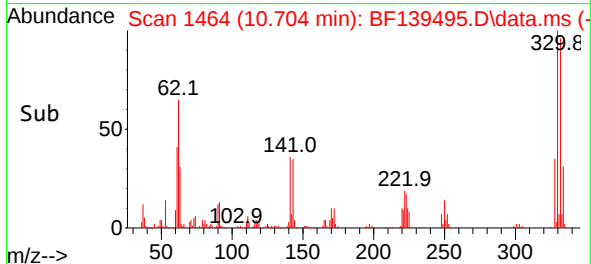
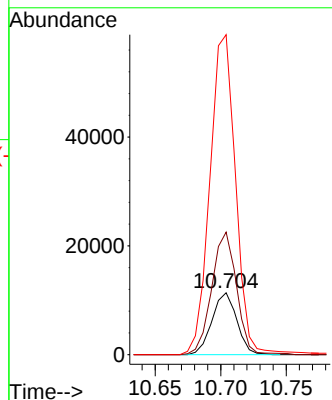
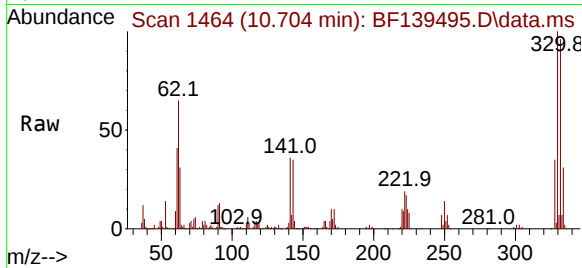




#67
4-Bromophenyl-phenylether
Concen: 11.690 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

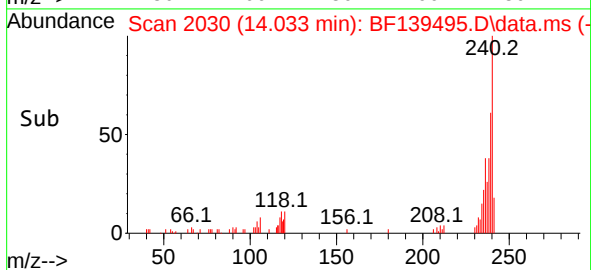
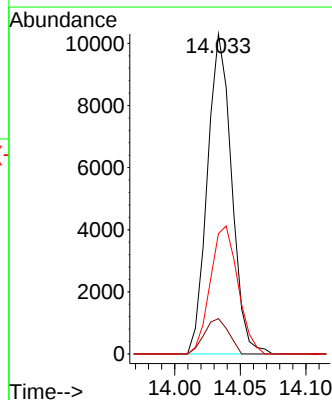
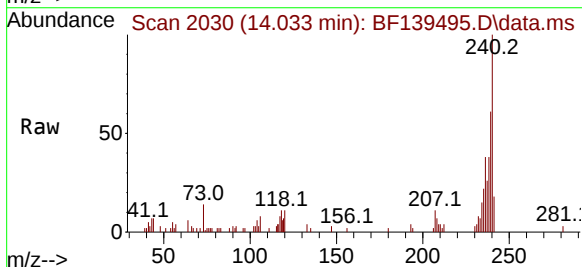
Instrument :
BNA_F
ClientSampleId :
RT2299RE

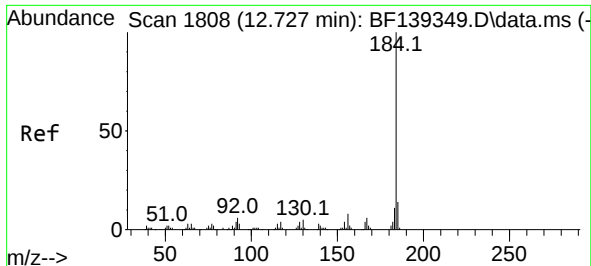
Tgt Ion:248 Resp: 14948
Ion Ratio Lower Upper
248 100
250 197.9 77.6 116.4#
141 516.6 66.9 100.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139495.D
Acq: 20 Sep 2024 11:52

Tgt Ion:240 Resp: 13234
Ion Ratio Lower Upper
240 100
120 11.1 6.2 9.2#
236 37.6 20.9 31.3#





#77

Benzidine

Concen: 35.178 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

Instrument :

BNA_F

ClientSampleId :

RT2299RE

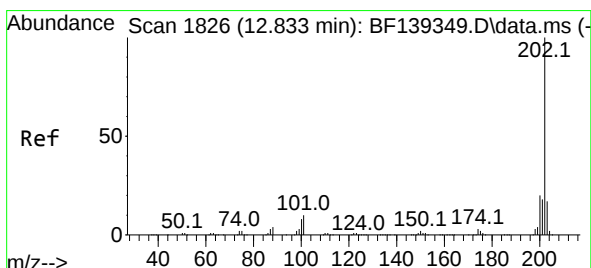
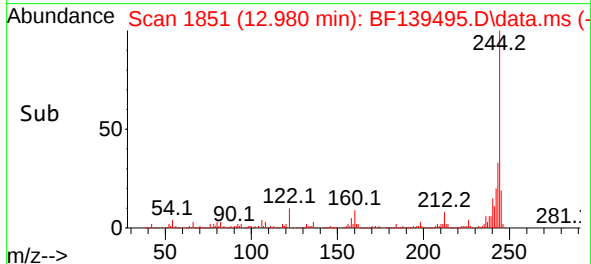
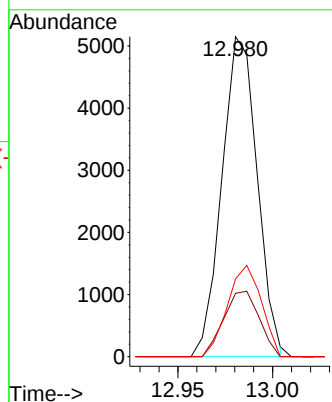
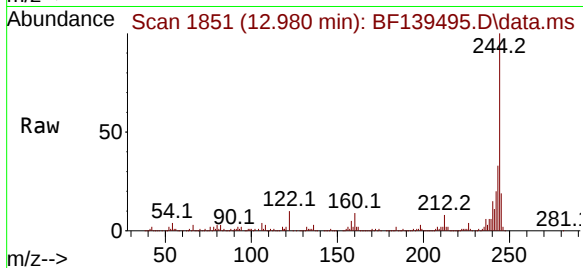
Tgt Ion:184 Resp: 6670

Ion Ratio Lower Upper

184 100

185 19.8 11.5 17.3#

183 24.3 8.9 13.3#



#78

Pyrene

Concen: 2.998 ng

RT: 12.833 min Scan# 1826

Delta R.T. 0.000 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

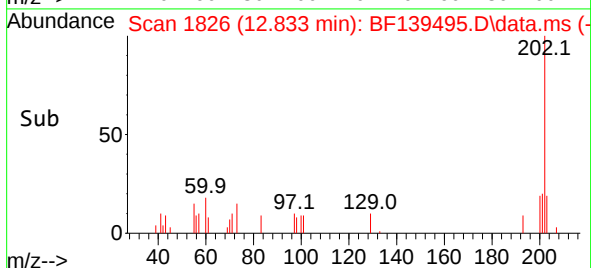
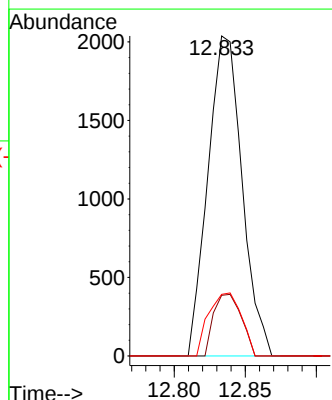
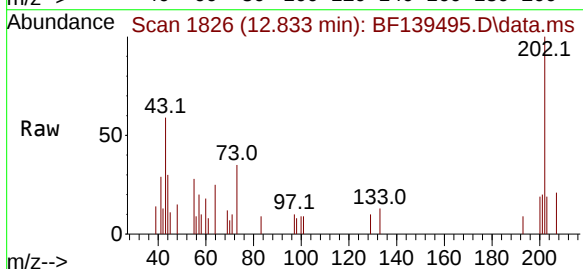
Tgt Ion:202 Resp: 3407

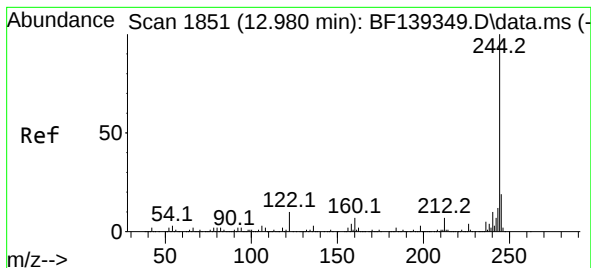
Ion Ratio Lower Upper

202 100

200 18.9 16.2 24.2

203 19.2 13.9 20.9





#79

Terphenyl-d14

Concen: 471.398 ng

RT: 12.980 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

Instrument :

BNA_F

ClientSampleId :

RT2299RE

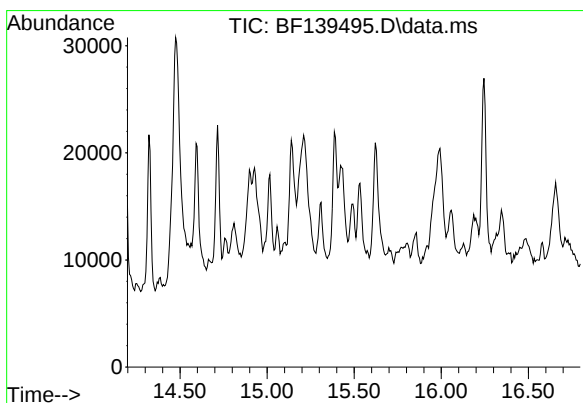
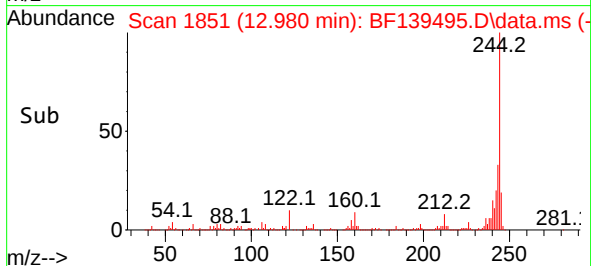
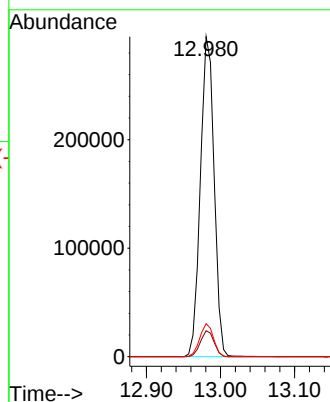
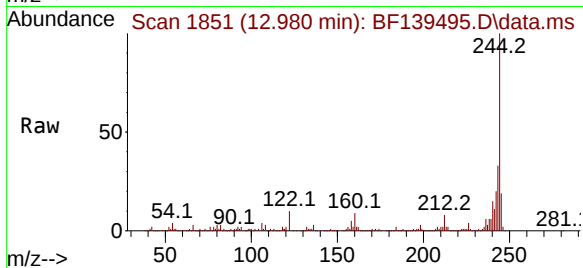
Tgt Ion:244 Resp: 380073

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

122 10.3 7.6 11.4



#86

Perylene-d12

Concen: 0.000 ng

Expected RT: 15.50 min

Lab File: BF139495.D

Acq: 20 Sep 2024 11:52

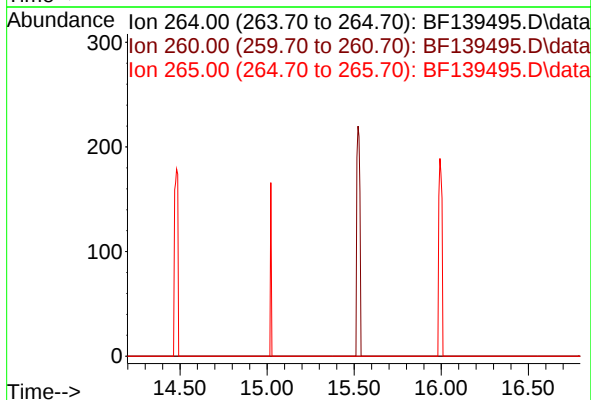
Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.4

265 20.8



Ion 260.00 (259.70 to 260.70): BF139495.D\data

Ion 265.00 (264.70 to 265.70): BF139495.D\data