

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139464.D
 Acq On : 19 Sep 2024 15:05
 Operator : RC/JU
 Sample : P4085-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PURGE-WATER

Quant Time: Sep 19 15:28:21 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)

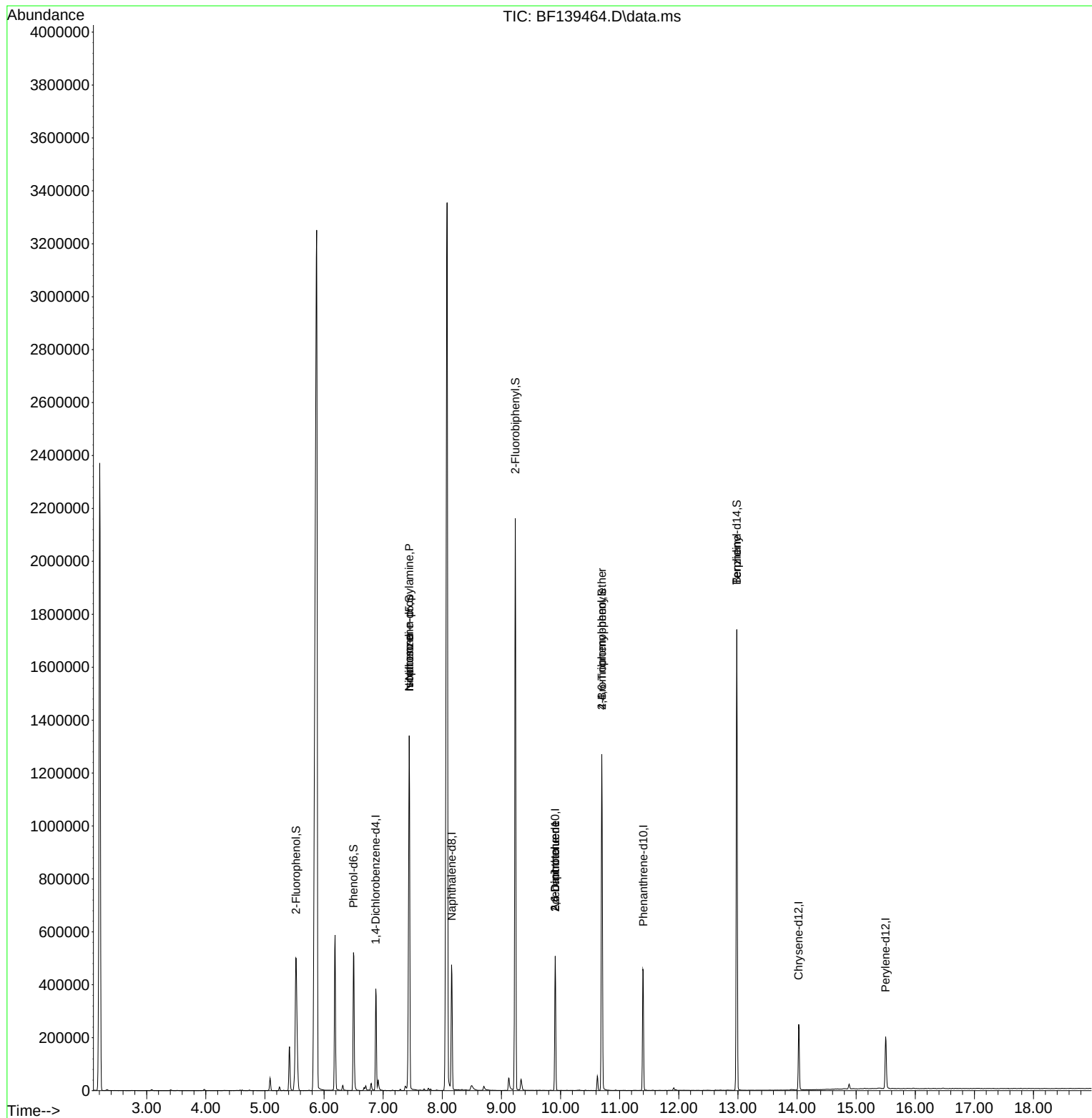
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75334	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	273103	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	143674	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	247739	20.000	ng	0.00
76) Chrysene-d12	14.027	240	120289	20.000	ng	# 0.00
86) Perylene-d12	15.498	264	122092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	273232	59.168	ng	0.03
7) Phenol-d6	6.498	99	215965	35.630	ng	0.00
23) Nitrobenzene-d5	7.440	82	520903	89.667	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	191302	125.068	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	911140	88.944	ng	0.00
79) Terphenyl-d14	12.980	244	818630	111.705	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	71167	19.813	ng	# 83
25) Isophorone	7.440	82	520789	56.685	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	18058	8.644	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	18058	6.403	ng	# 16
67) 4-Bromophenyl-phenylether	10.698	248	12703	5.174	ng	# 1
77) Benzidine	12.980	184	11888	6.898	ng	# 92

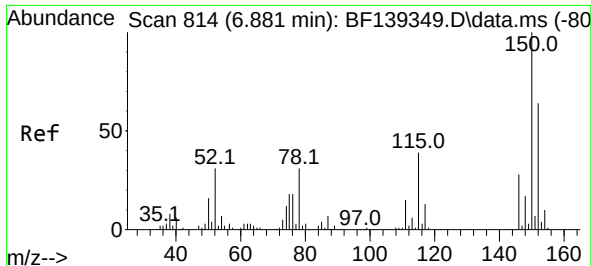
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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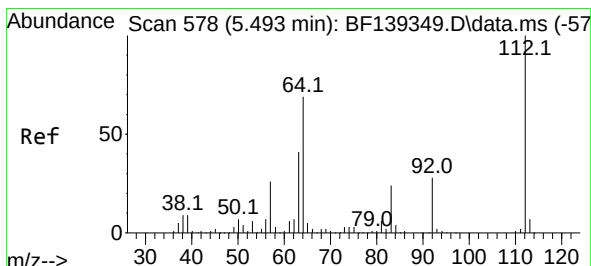
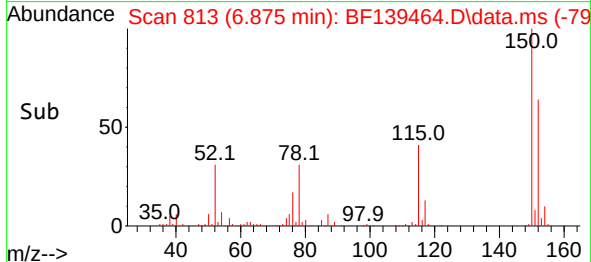
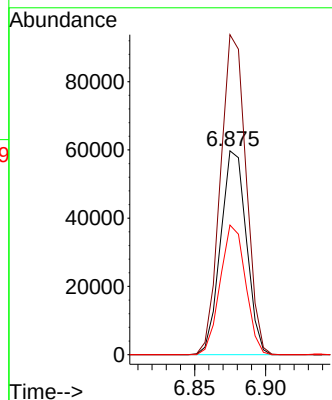
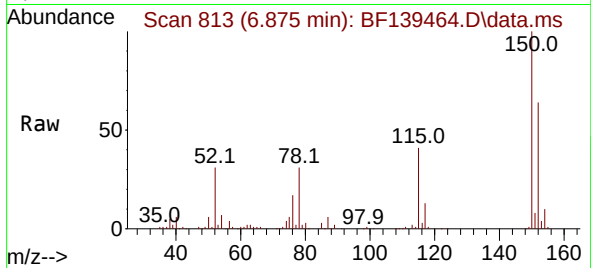




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

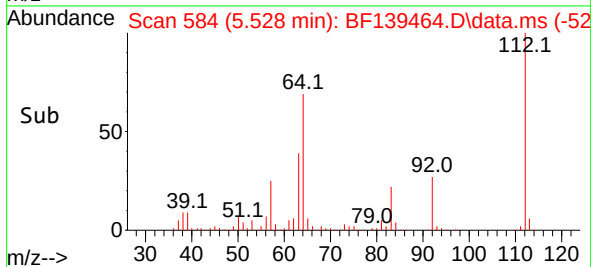
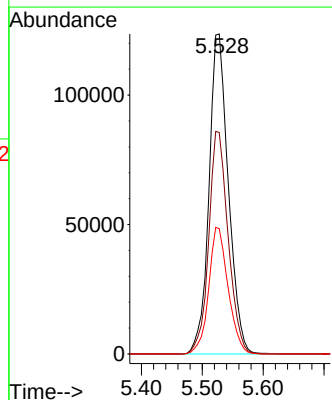
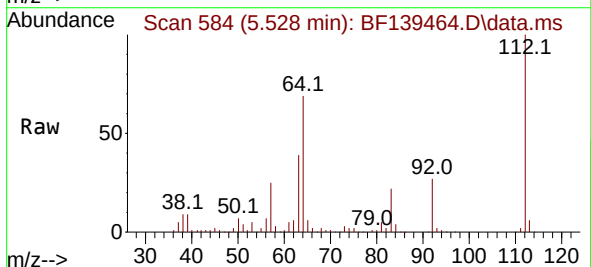
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

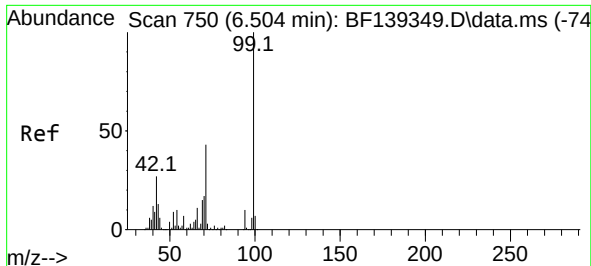
Tgt Ion:152 Resp: 75334
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 59.168 ng
RT: 5.528 min Scan# 584
Delta R.T. 0.035 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion:112 Resp: 273232
Ion Ratio Lower Upper
112 100
64 69.2 54.8 82.2
63 39.2 33.0 49.4





#7

Phenol-d6

Concen: 35.630 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139464.D

Acq: 19 Sep 2024 15:05

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER

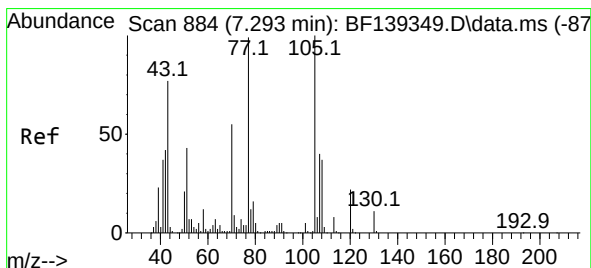
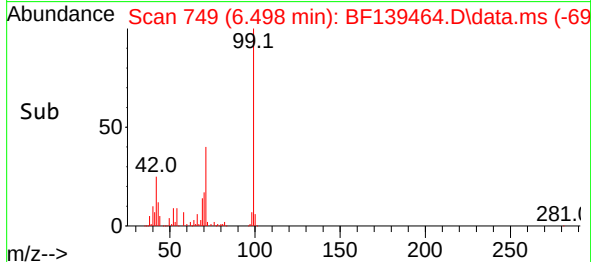
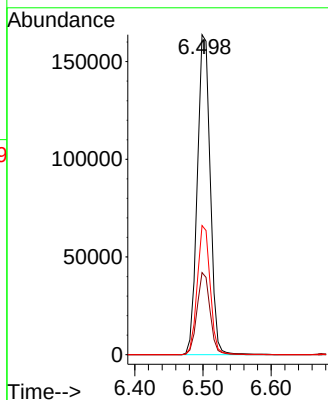
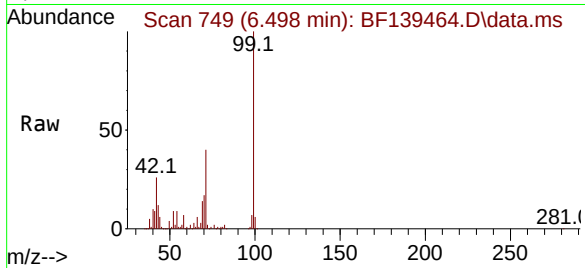
Tgt Ion: 99 Resp: 215965

Ion Ratio Lower Upper

99 100

42 25.6 21.9 32.9

71 40.3 34.6 52.0



#19

n-Nitroso-di-n-propylamine

Concen: 19.813 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.147 min

Lab File: BF139464.D

Acq: 19 Sep 2024 15:05

Tgt Ion: 70 Resp: 71167

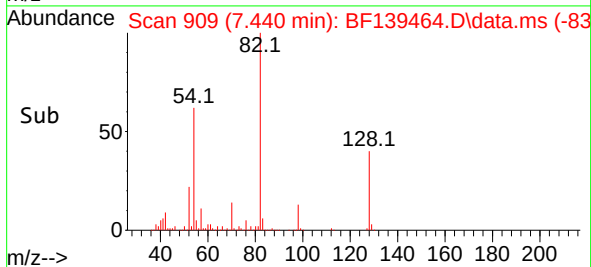
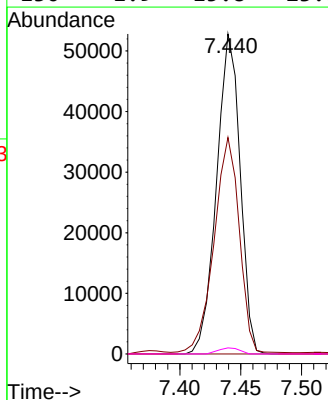
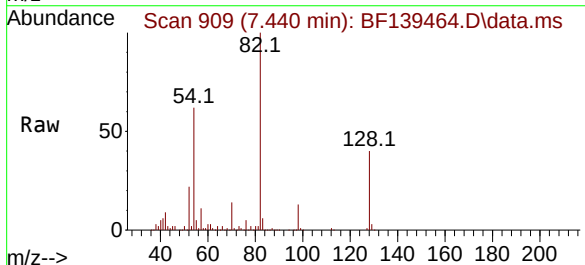
Ion Ratio Lower Upper

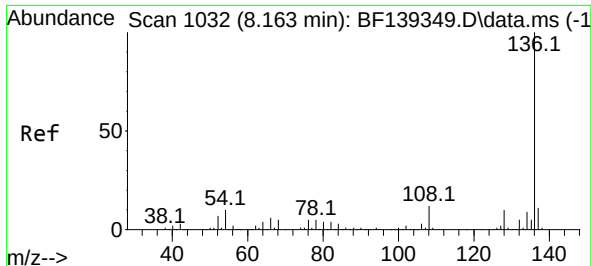
70 100

42 67.7 61.2 91.8

101 0.0 7.5 11.3#

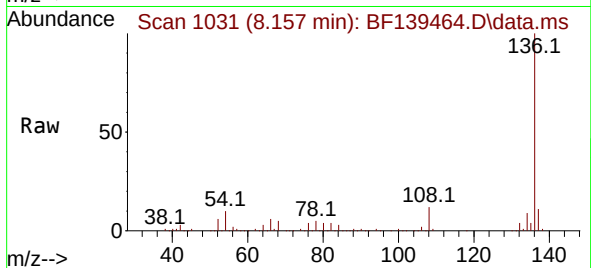
130 1.9 15.8 23.8#





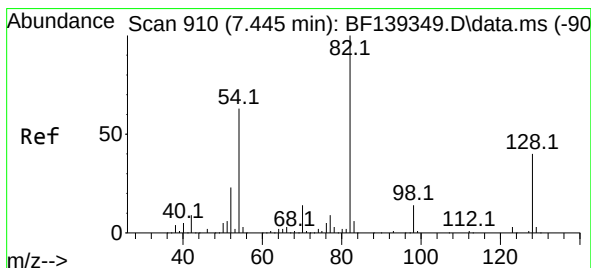
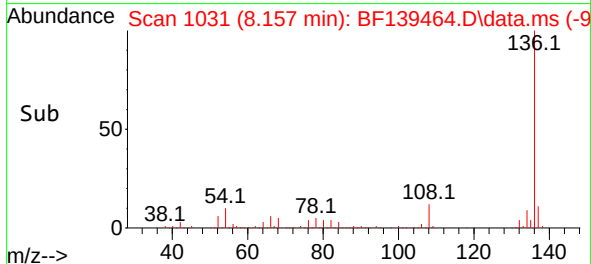
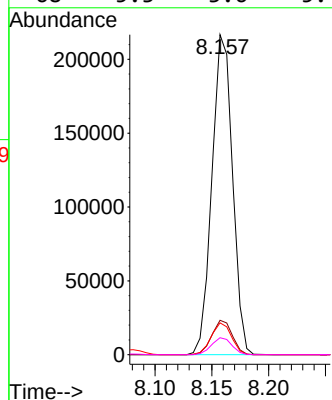
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Instrument :
BNA_F
ClientSampleId :
PURGE-WATER



Tgt Ion:136 Resp: 273103

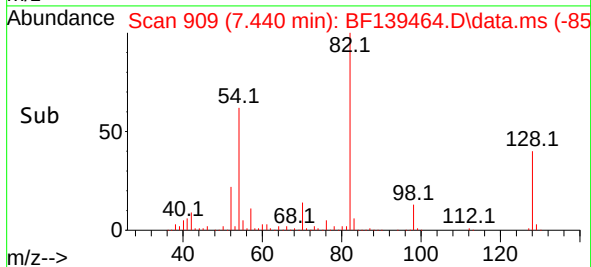
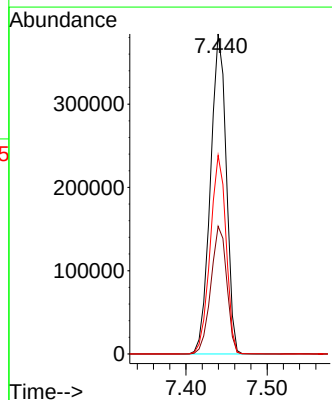
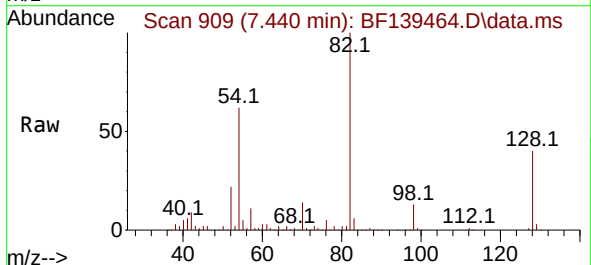
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.0	7.8	11.8
68	5.3	3.6	5.4

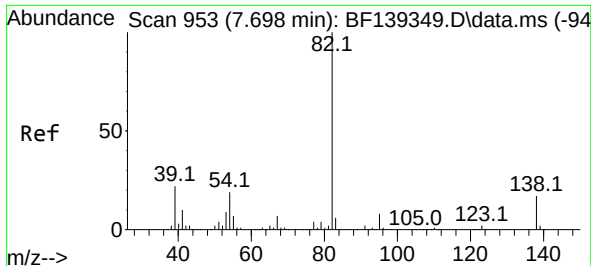


#23
Nitrobenzene-d5
Concen: 89.667 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion: 82 Resp: 520903

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.8	47.6
54	62.1	50.6	75.8

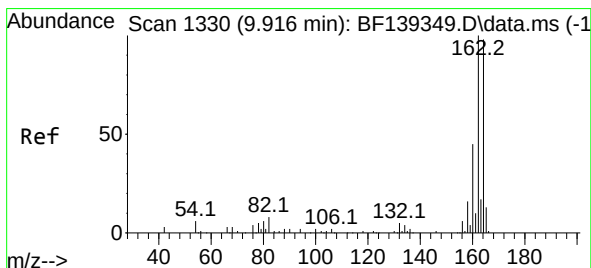
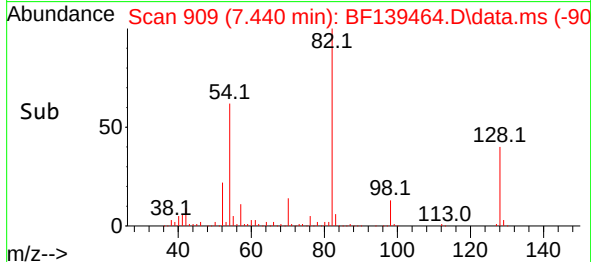
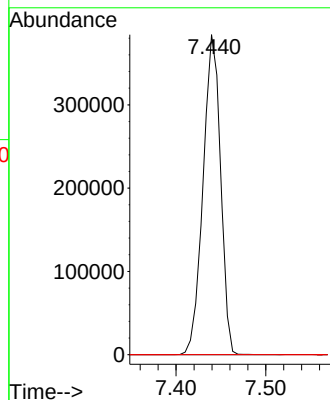
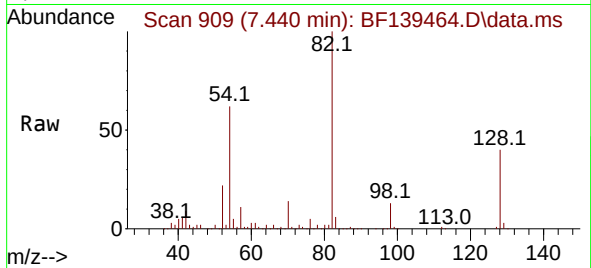




#25
Isophorone
Concen: 56.685 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

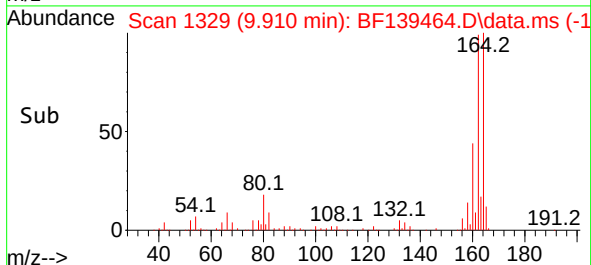
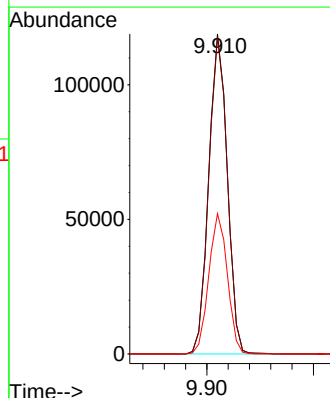
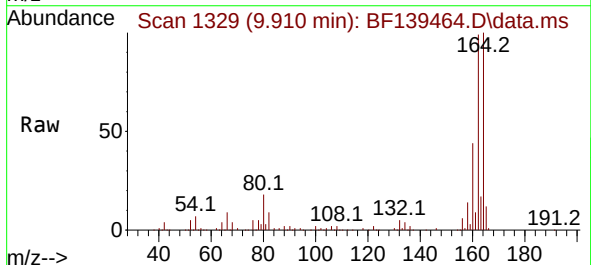
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

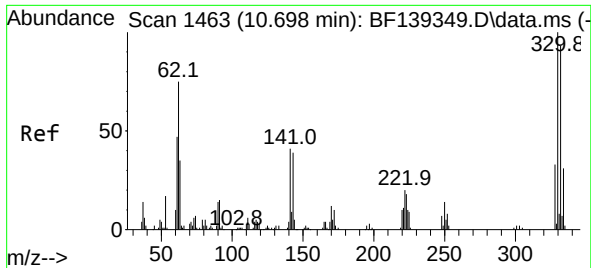
Tgt Ion: 82 Resp: 520789
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion: 164 Resp: 143674
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 43.8 36.4 54.6

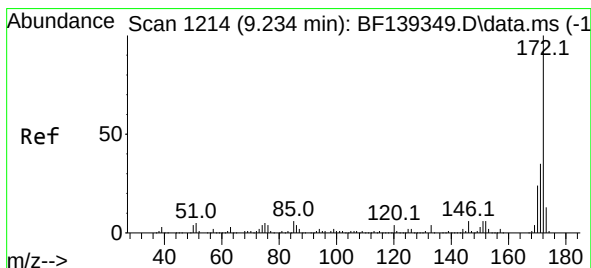
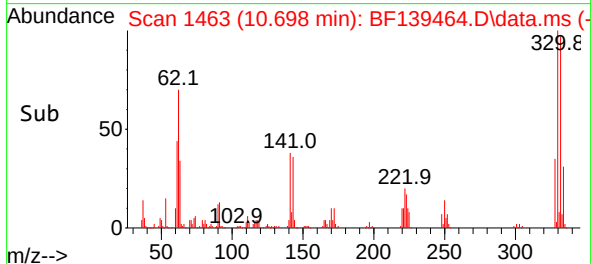
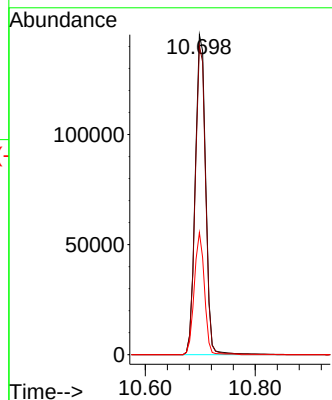
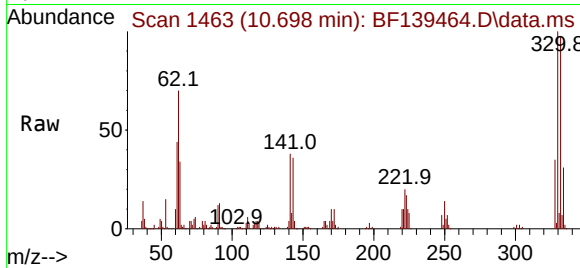




#42
2,4,6-Tribromophenol
Concen: 125.068 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

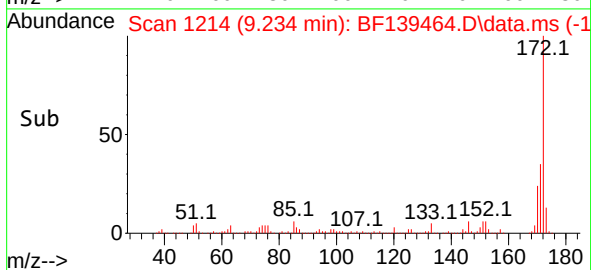
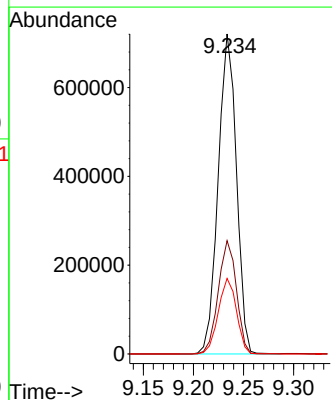
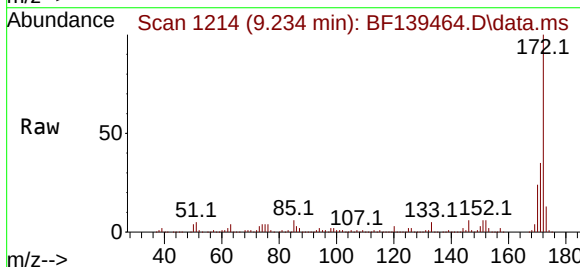
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

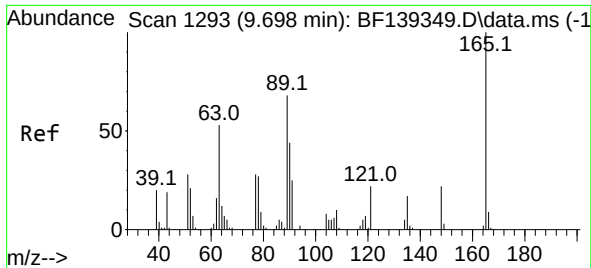
Tgt Ion:330 Resp: 191302
Ion Ratio Lower Upper
330 100
332 96.5 75.2 112.8
141 37.1 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 88.944 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion:172 Resp: 911140
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.6 19.0 28.6

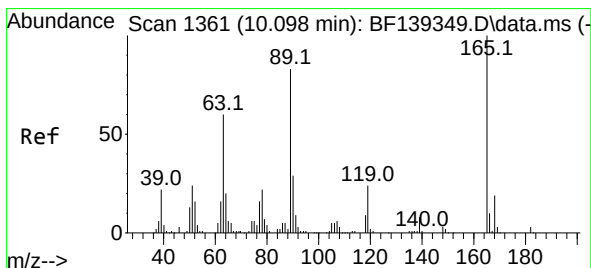
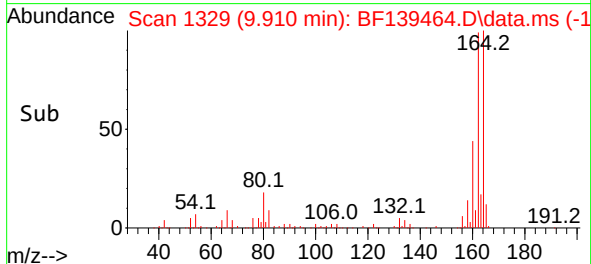
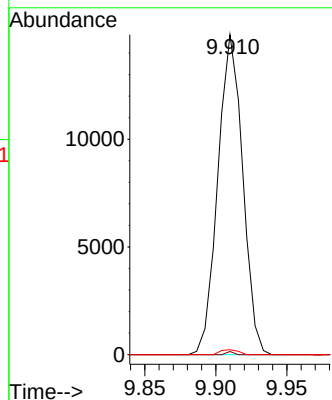
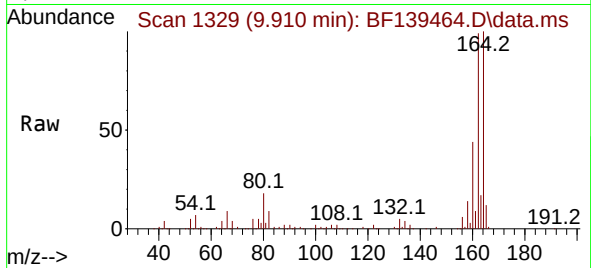




#51
2,6-Dinitrotoluene
Concen: 8.644 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

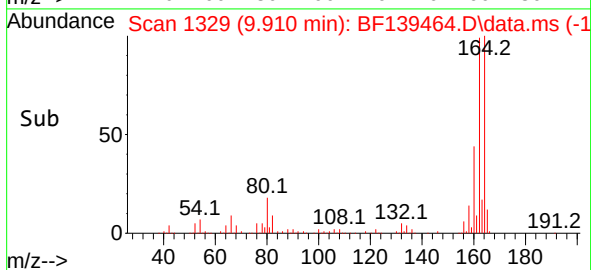
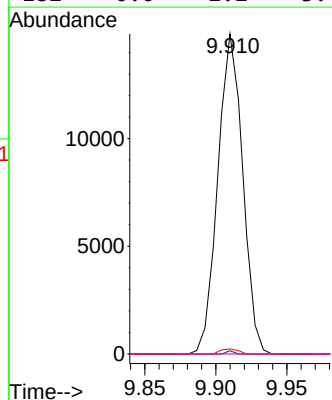
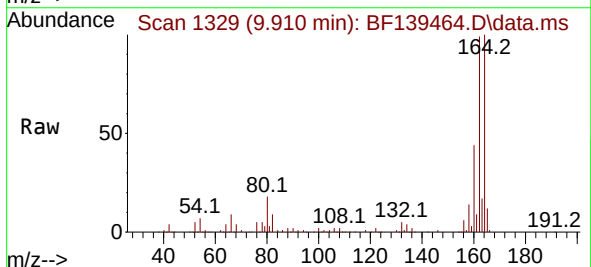
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

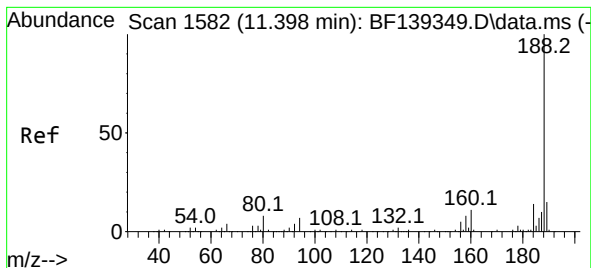
Tgt Ion:165 Resp: 18058
Ion Ratio Lower Upper
165 100
63 1.0 60.9 91.3#
89 1.5 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.403 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion:165 Resp: 18058
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.6#
89 1.5 66.7 100.1#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139464.D

Acq: 19 Sep 2024 15:05

Instrument :

BNA_F

ClientSampleId :

PURGE-WATER

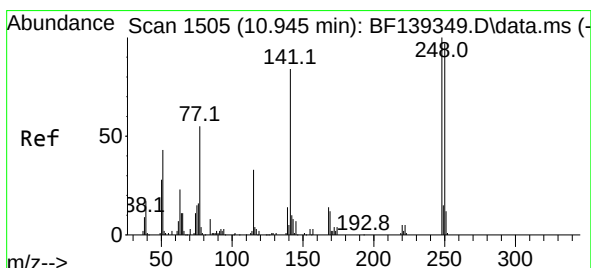
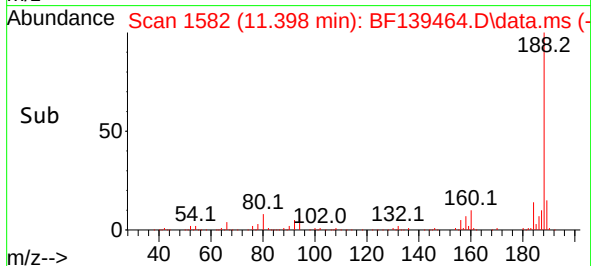
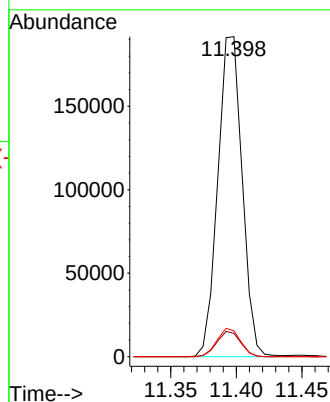
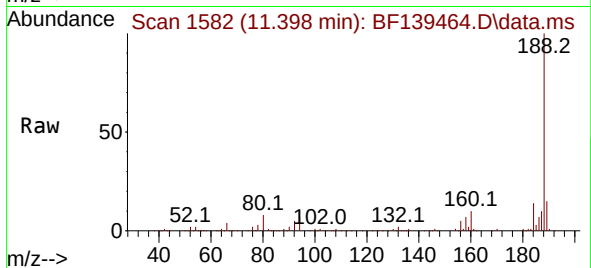
Tgt Ion:188 Resp: 247739

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

80 8.1 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 5.174 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139464.D

Acq: 19 Sep 2024 15:05

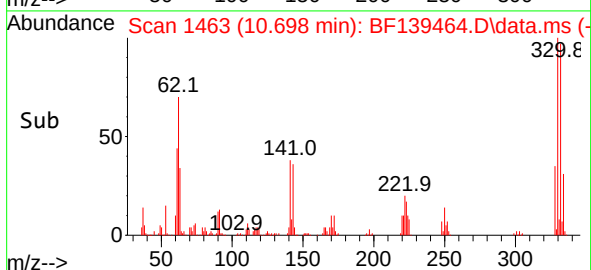
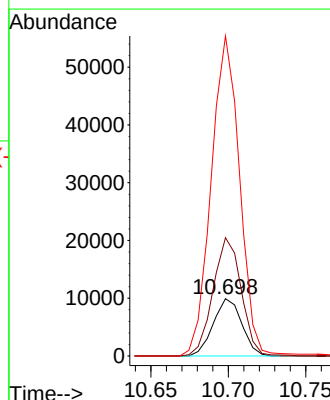
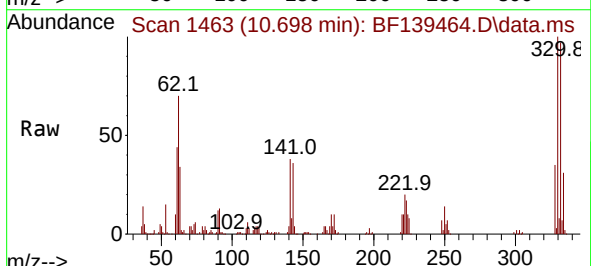
Tgt Ion:248 Resp: 12703

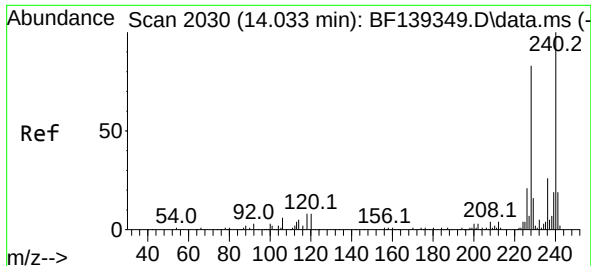
Ion Ratio Lower Upper

248 100

250 206.5 77.6 116.4#

141 559.2 66.9 100.3#

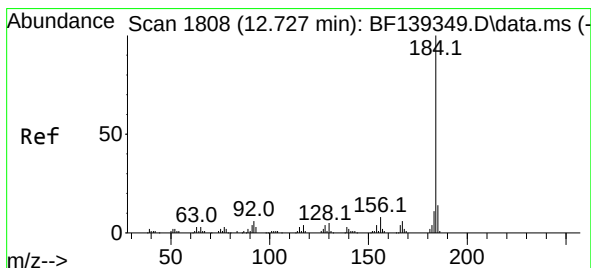
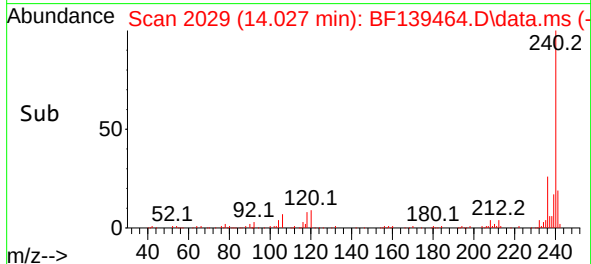
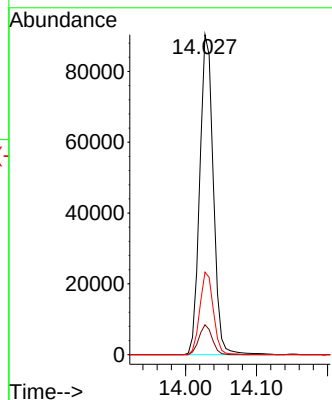
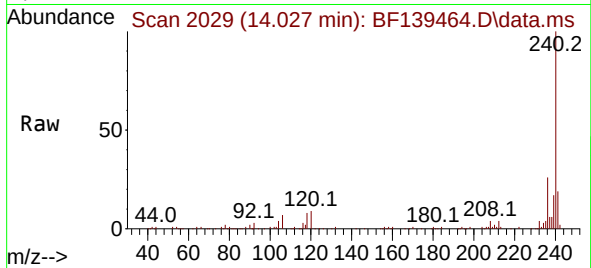




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

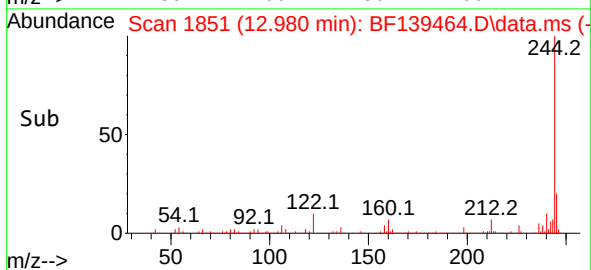
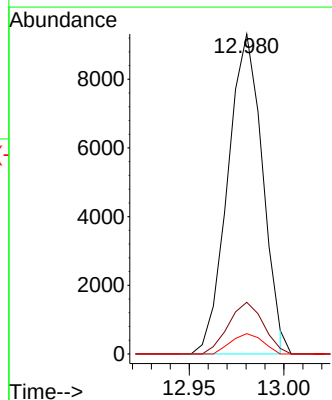
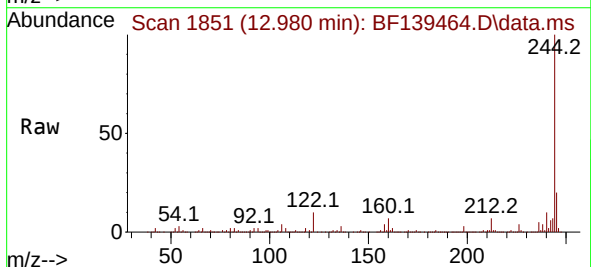
Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

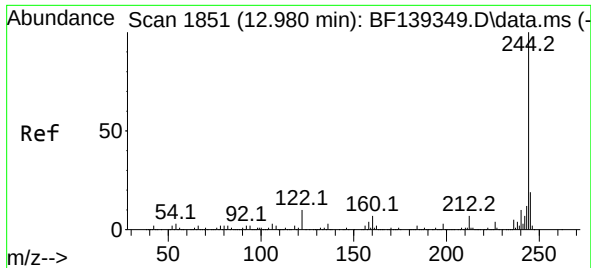
Tgt Ion:240 Resp: 120289
Ion Ratio Lower Upper
240 100
120 9.3 6.2 9.2#
236 25.8 20.9 31.3



#77
Benzidine
Concen: 6.898 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion:184 Resp: 11888
Ion Ratio Lower Upper
184 100
185 16.2 11.5 17.3
183 6.3 8.9 13.3#

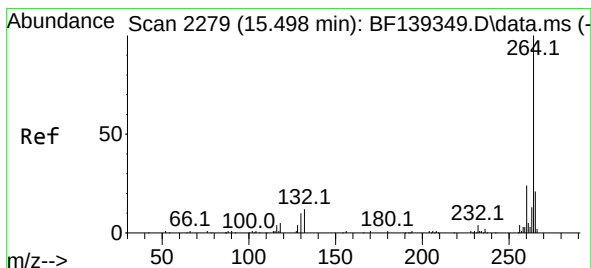
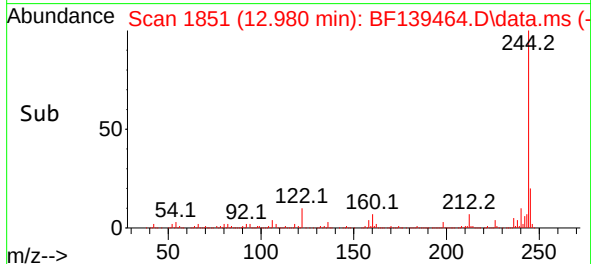
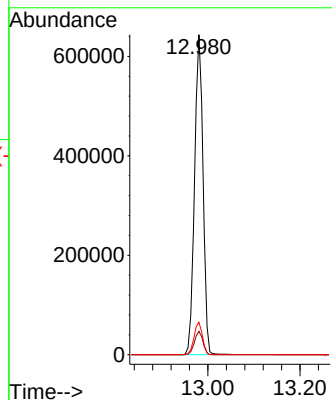
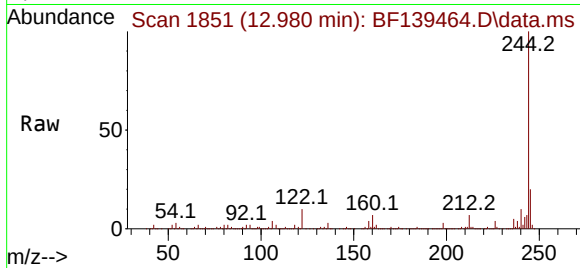




#79
Terphenyl-d14
Concen: 111.705 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Instrument :
BNA_F
ClientSampleId :
PURGE-WATER

Tgt Ion:244 Resp: 818630
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 10.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF139464.D
Acq: 19 Sep 2024 15:05

Tgt Ion:264 Resp: 122092
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 20.5 16.6 25.0

