

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139614.D
 Acq On : 02 Oct 2024 18:46
 Operator : RC/JU
 Sample : P4222-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Oct 03 01:52:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

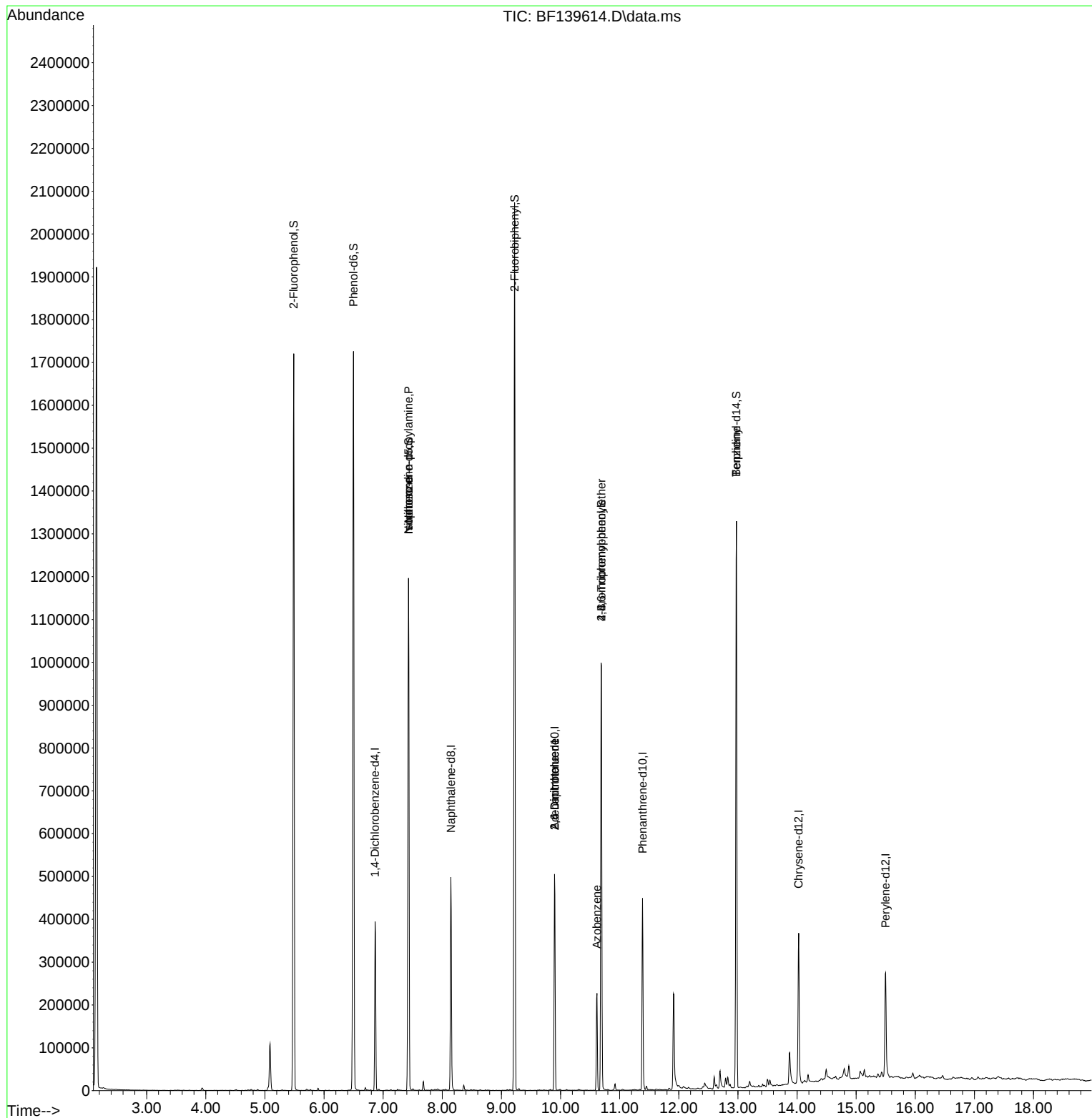
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78650	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	290106	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	146605	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	226313	20.000	ng	0.00
76) Chrysene-d12	14.027	240	152436	20.000	ng	0.00
86) Perylene-d12	15.498	264	138257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	589366	129.881	ng	0.00
7) Phenol-d6	6.499	99	789525	129.382	ng	0.00
23) Nitrobenzene-d5	7.428	82	509996	89.006	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	156156	110.339	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	860055	90.061	ng	0.00
79) Terphenyl-d14	12.975	244	634545	68.303	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	69070	17.605	ng	# 77
25) Isophorone	7.428	82	507995	49.916	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	19129	8.824	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	19129	6.751	ng	# 17
63) Azobenzene	10.616	77	58265	5.845	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10733	4.625	ng	# 1
77) Benzidine	12.975	184	9004	3.349	ng	# 92

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

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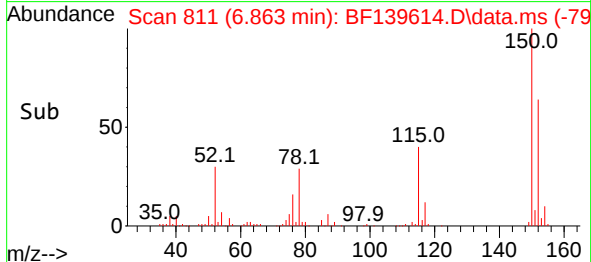
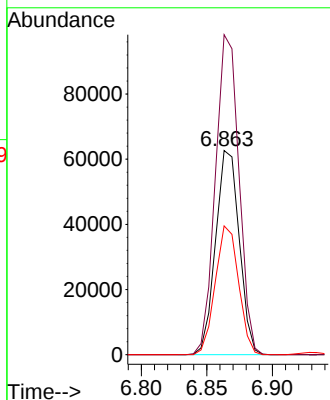
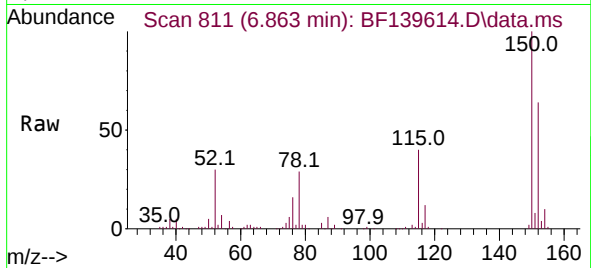




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

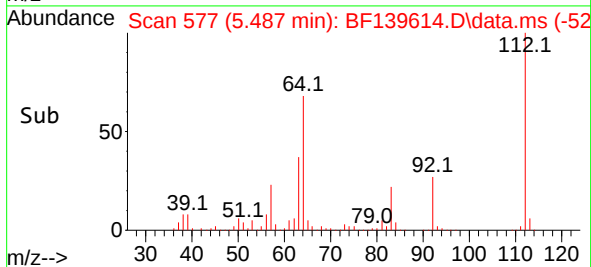
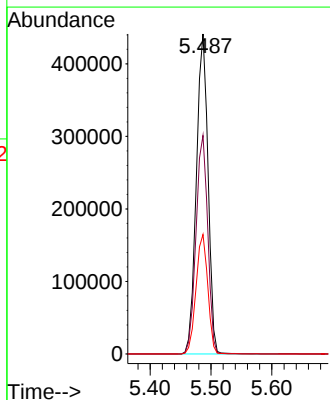
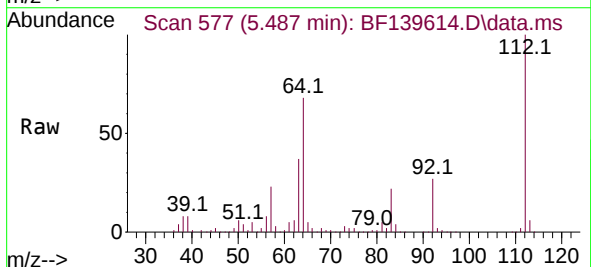
Instrument :
BNA_F
ClientSampleId :
TP-5

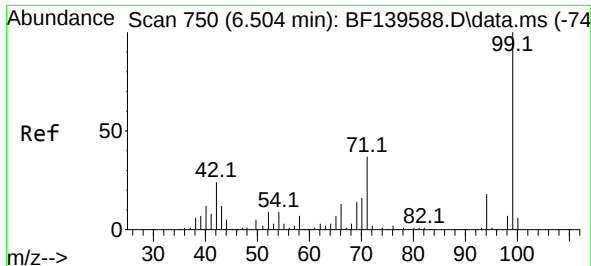
Tgt Ion:152 Resp: 78650
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 63.1 49.0 73.4



#5
2-Fluorophenol
Concen: 129.881 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion:112 Resp: 589366
Ion Ratio Lower Upper
112 100
64 68.3 54.2 81.4
63 37.4 29.4 44.2

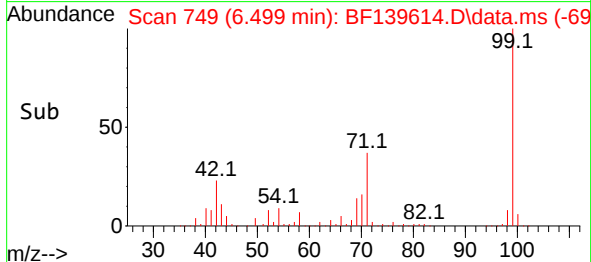
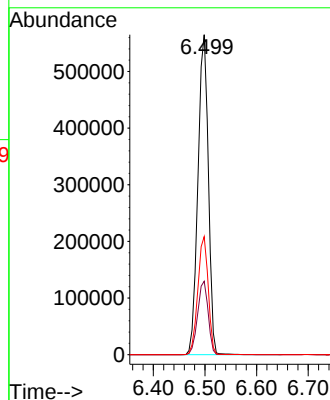
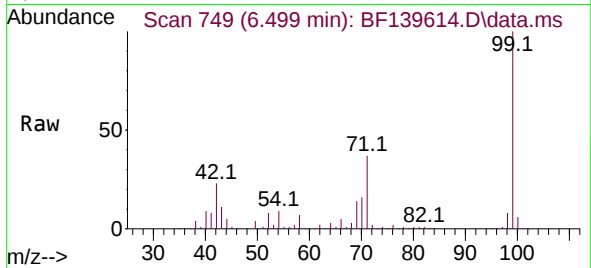




#7
Phenol-d6
Concen: 129.382 ng
RT: 6.499 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

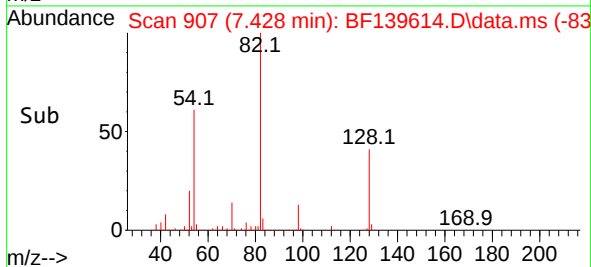
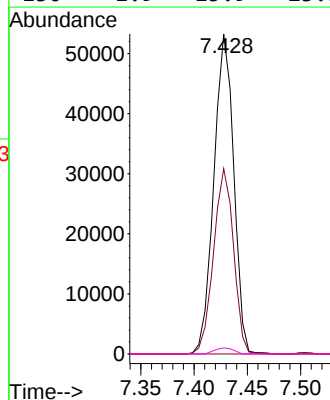
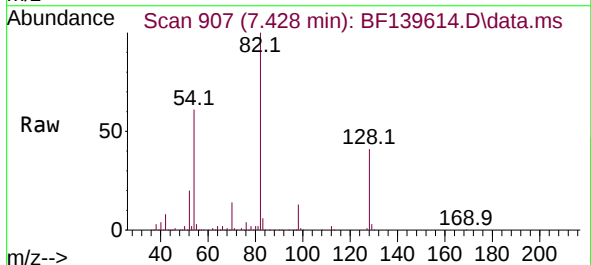
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 789525
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 36.9 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.605 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion: 70 Resp: 69070
Ion Ratio Lower Upper
70 100
42 57.9 58.0 87.0#
101 0.0 7.8 11.8#
130 1.9 15.9 23.9#

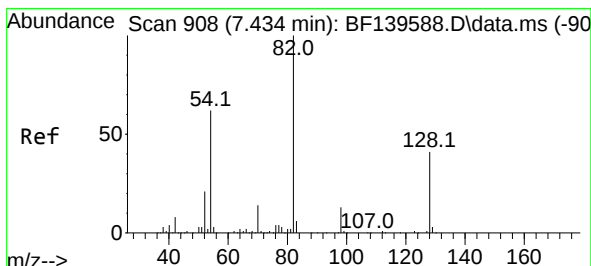
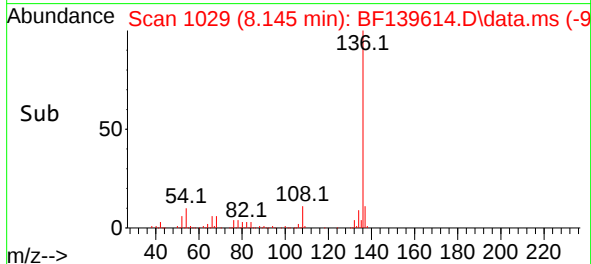
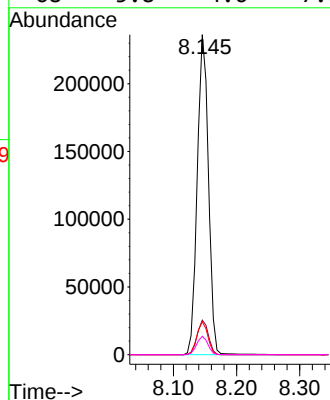
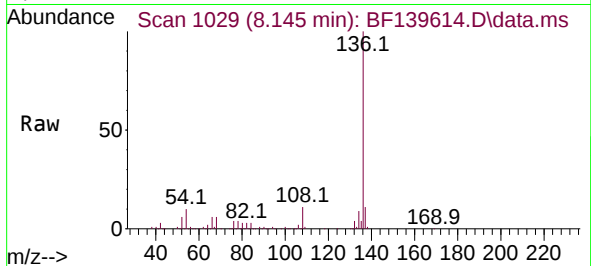




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

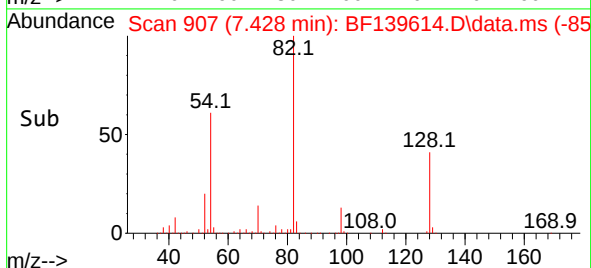
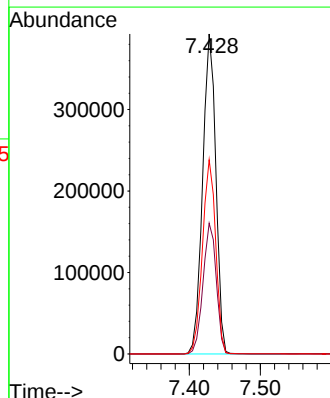
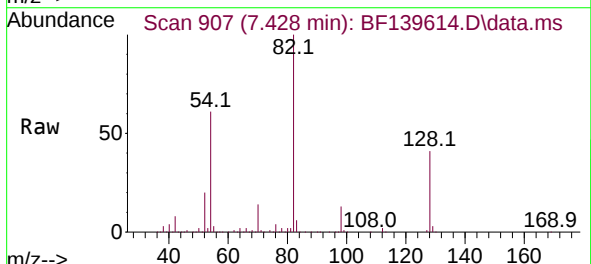
Instrument :
BNA_F
ClientSampleId :
TP-5

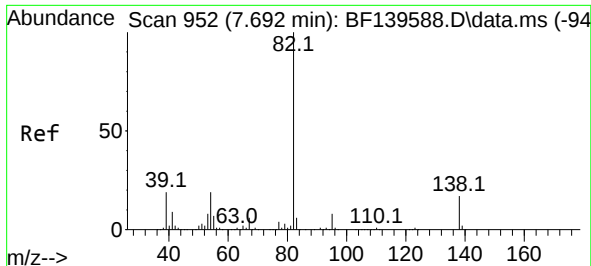
Tgt Ion:136	Resp: 290106
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 10.3	8.3 12.5
68 5.8	4.6 7.0



#23
Nitrobenzene-d5
Concen: 89.006 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion: 82	Resp: 509996
Ion Ratio	Lower Upper
82 100	
128 40.9	32.4 48.6
54 60.7	49.1 73.7

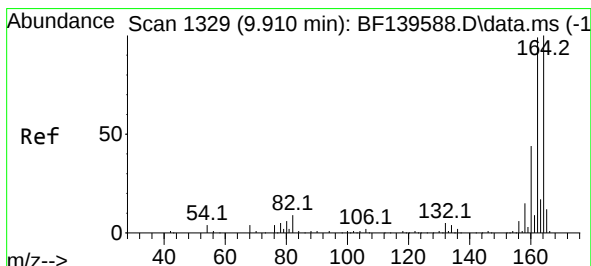
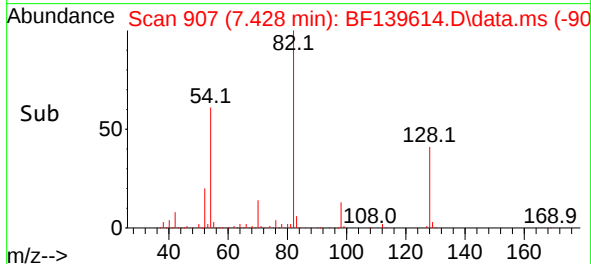
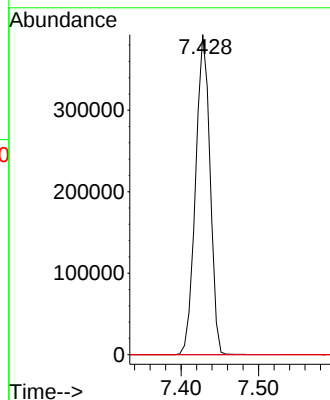
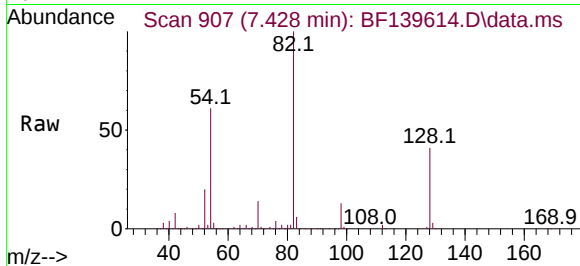




#25
Isophorone
Concen: 49.916 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

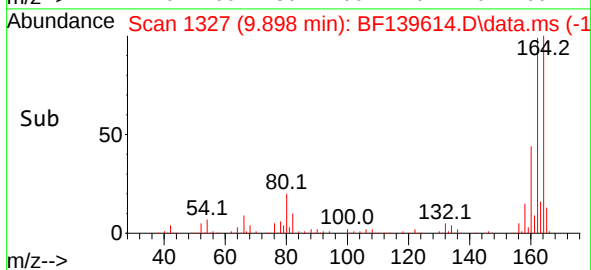
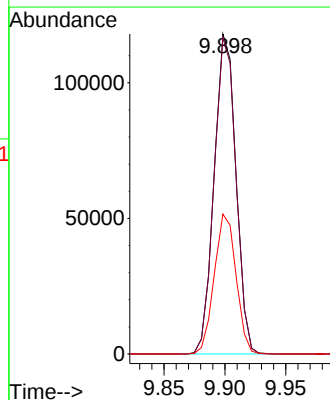
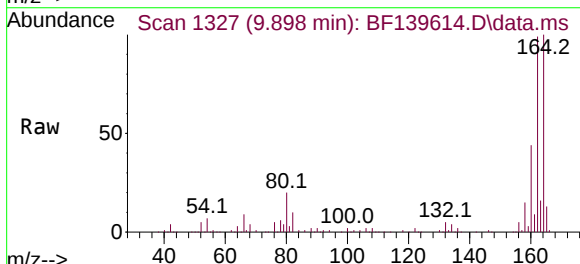
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 507995
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion: 164 Resp: 146605
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.0
160 43.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 110.339 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139614.D

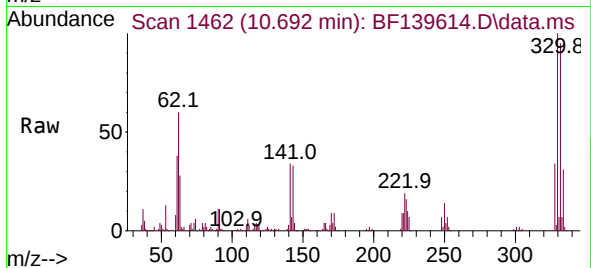
Acq: 02 Oct 2024 18:46

Instrument :

BNA_F

ClientSampleId :

TP-5



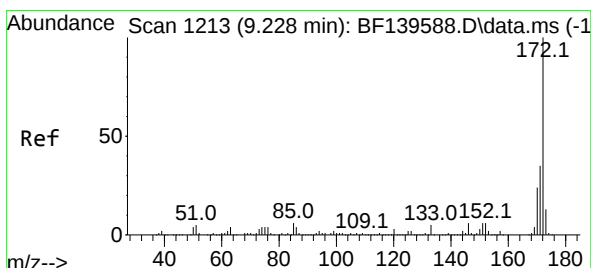
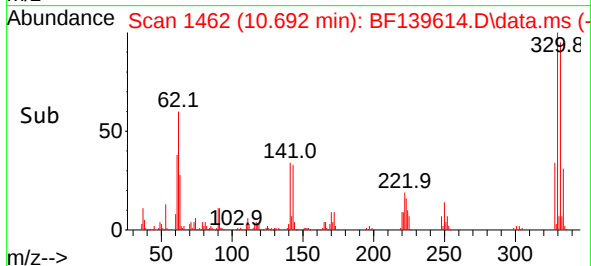
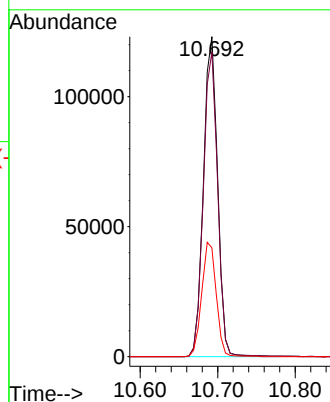
Tgt Ion:330 Resp: 156156

Ion Ratio Lower Upper

330 100

332 96.0 76.5 114.7

141 36.7 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 90.061 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139614.D

Acq: 02 Oct 2024 18:46

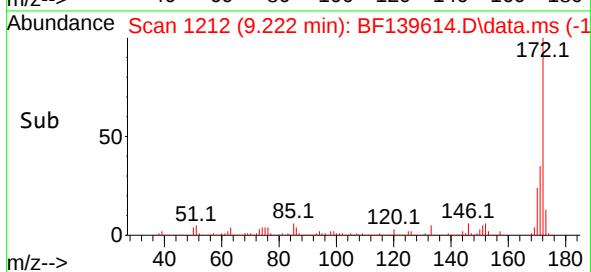
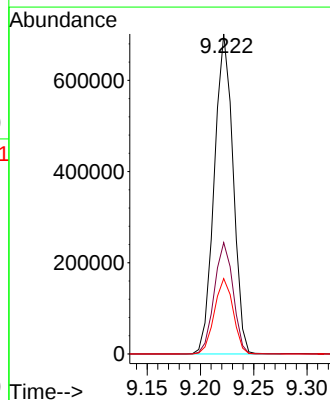
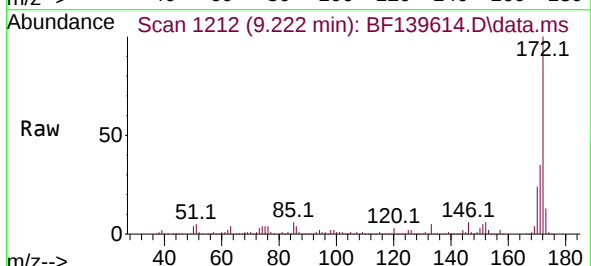
Tgt Ion:172 Resp: 860055

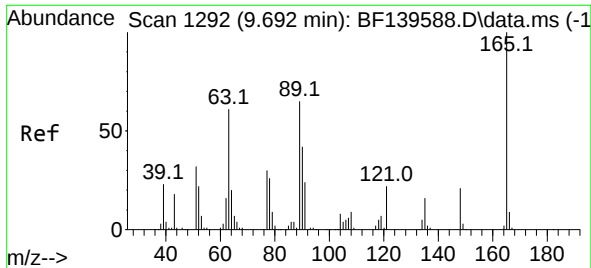
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.6 18.8 28.2

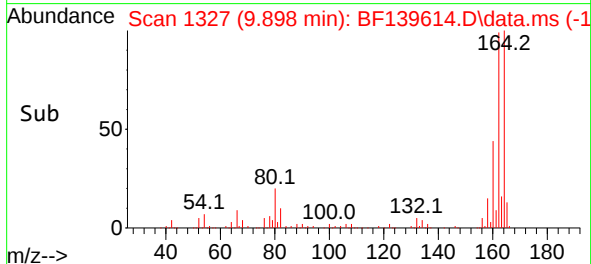
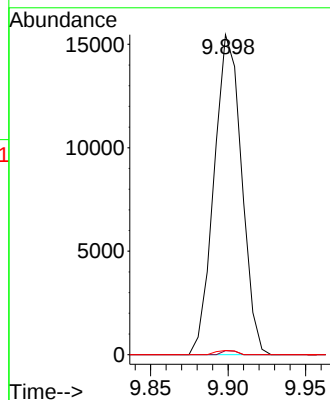
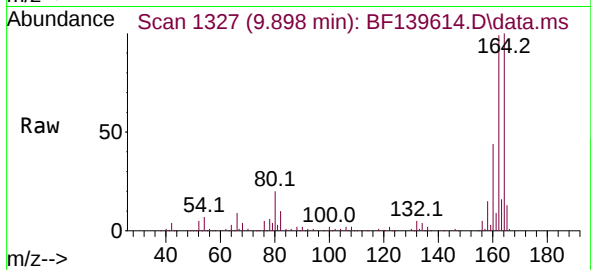




#51
2,6-Dinitrotoluene
Concen: 8.824 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

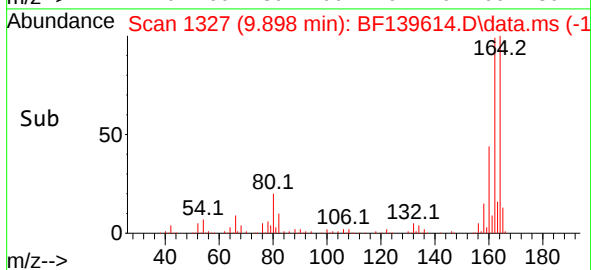
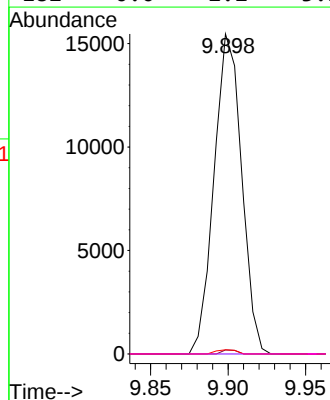
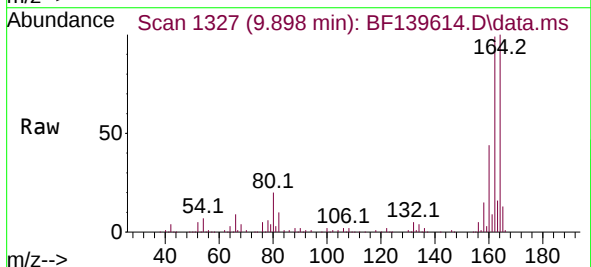
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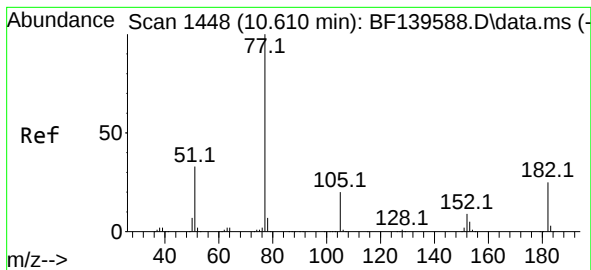
Tgt Ion:165 Resp: 19129
Ion Ratio Lower Upper
165 100
63 1.2 56.7 85.1#
89 1.3 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.751 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion:165 Resp: 19129
Ion Ratio Lower Upper
165 100
63 1.2 46.9 70.3#
89 1.3 64.4 96.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 5.845 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139614.D

Acq: 02 Oct 2024 18:46

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 77 Resp: 58265

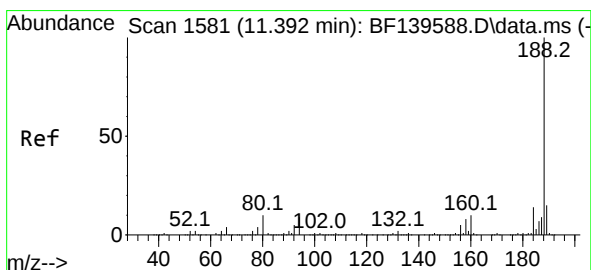
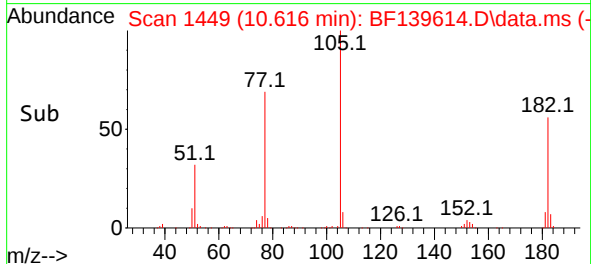
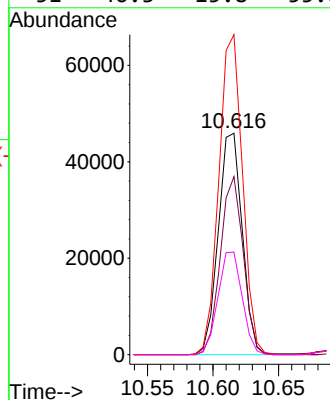
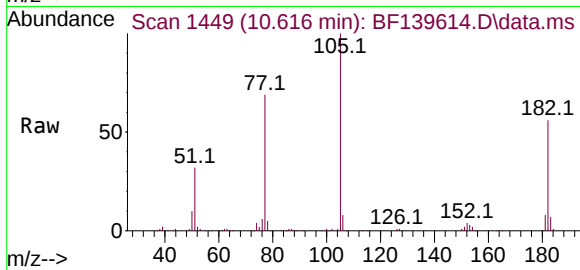
Ion Ratio Lower Upper

77 100

182 80.4 4.2 44.2#

105 144.5 0.0 39.6#

51 46.3 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139614.D

Acq: 02 Oct 2024 18:46

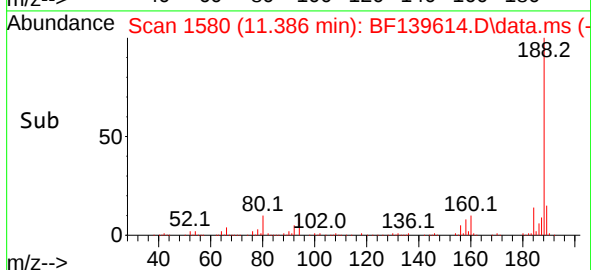
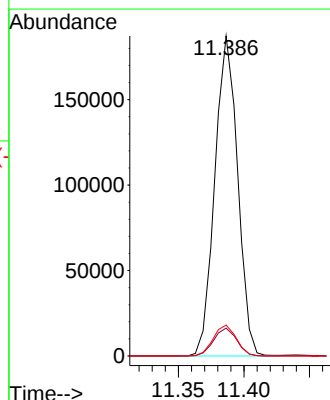
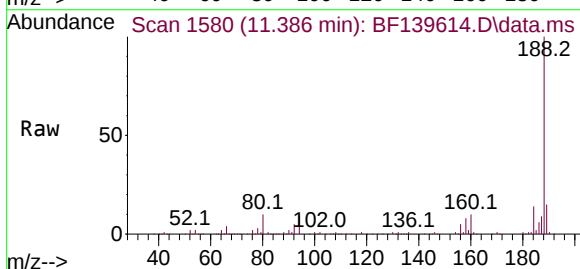
Tgt Ion: 188 Resp: 226313

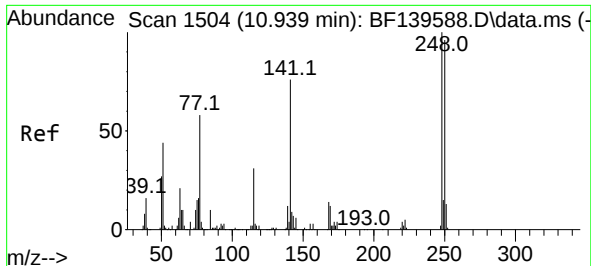
Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.7 8.2 12.2





#67

4-Bromophenyl-phenylether

Concen: 4.625 ng

RT: 10.692 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF139614.D

Acq: 02 Oct 2024 18:46

Instrument :

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ClientSampleId :

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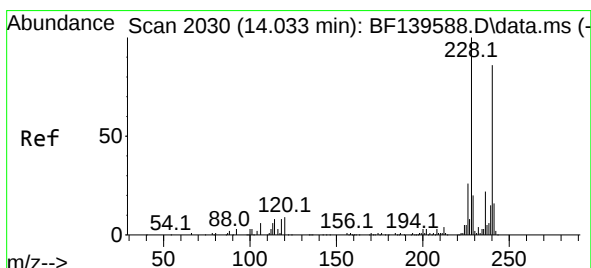
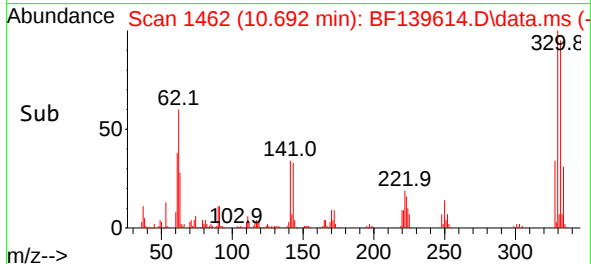
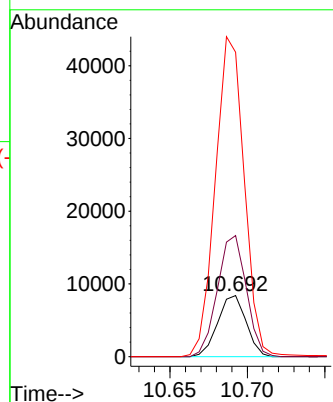
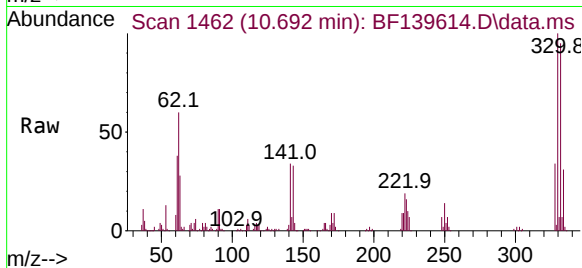
Tgt Ion:248 Resp: 10733

Ion Ratio Lower Upper

248 100

250 198.0 77.1 115.7#

141 497.8 60.4 90.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF139614.D

Acq: 02 Oct 2024 18:46

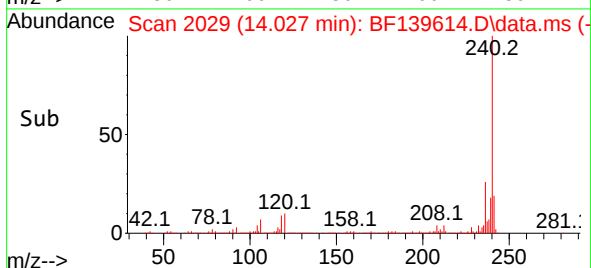
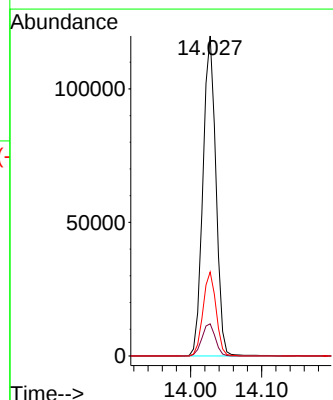
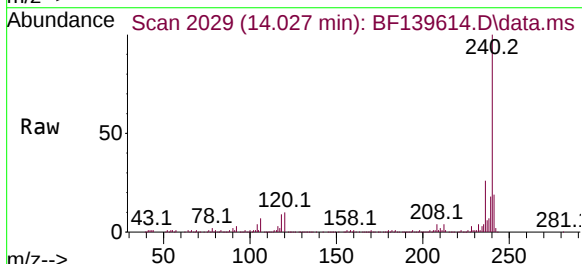
Tgt Ion:240 Resp: 152436

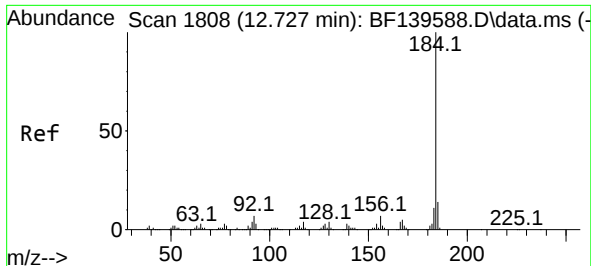
Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

236 26.3 20.3 30.5

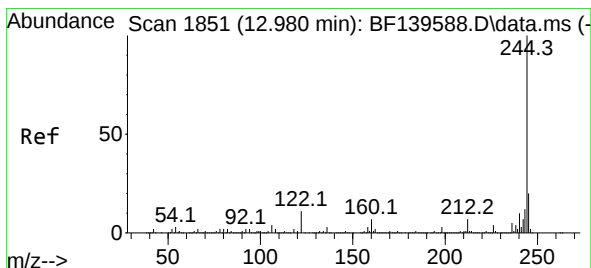
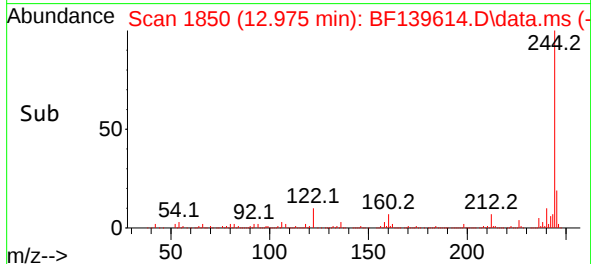
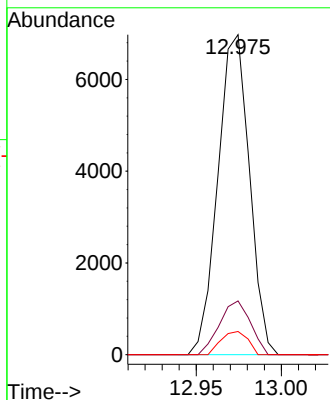
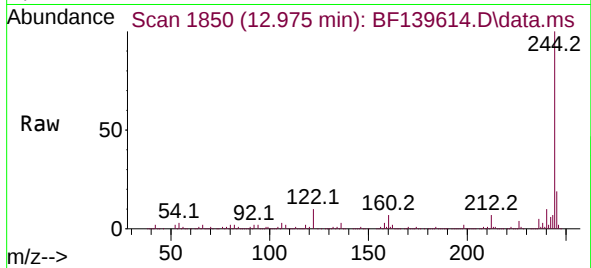




#77
Benzidine
Concen: 3.349 ng
RT: 12.975 min Scan# 1850
Delta R.T. 0.247 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

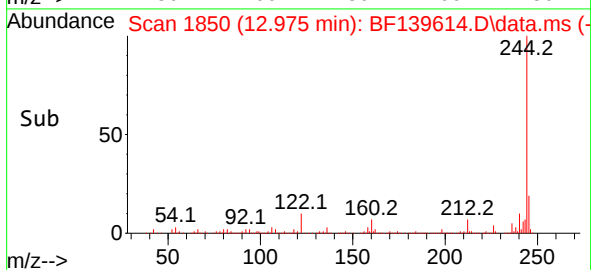
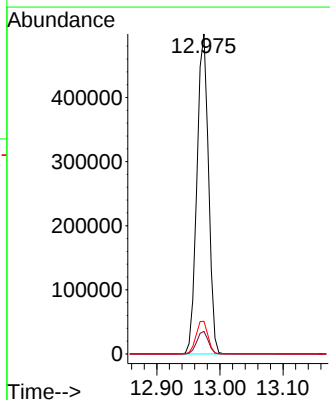
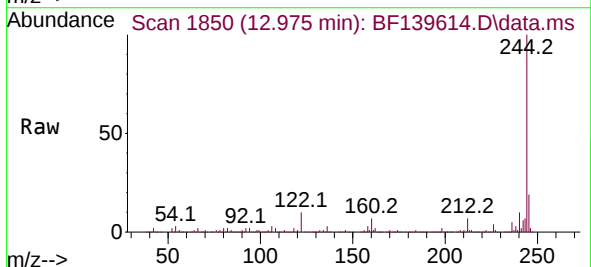
Instrument :
BNA_F
ClientSampleId :
TP-5

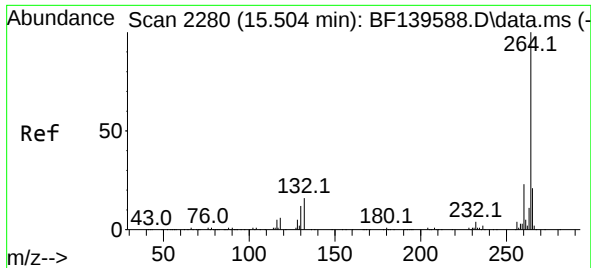
Tgt Ion:184 Resp: 9004
Ion Ratio Lower Upper
184 100
185 16.8 11.4 17.0
183 7.2 8.8 13.2#



#79
Terphenyl-d14
Concen: 68.303 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.005 min
Lab File: BF139614.D
Acq: 02 Oct 2024 18:46

Tgt Ion:244 Resp: 634545
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.2 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139614.D
 Acq: 02 Oct 2024 18:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:264 Resp: 138257
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 20.3 16.9 25.3

