

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091424\
 Data File : BF139374.D
 Acq On : 14 Sep 2024 18:05
 Operator : RC/JU
 Sample : P3989-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Sep 16 01:58:46 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)

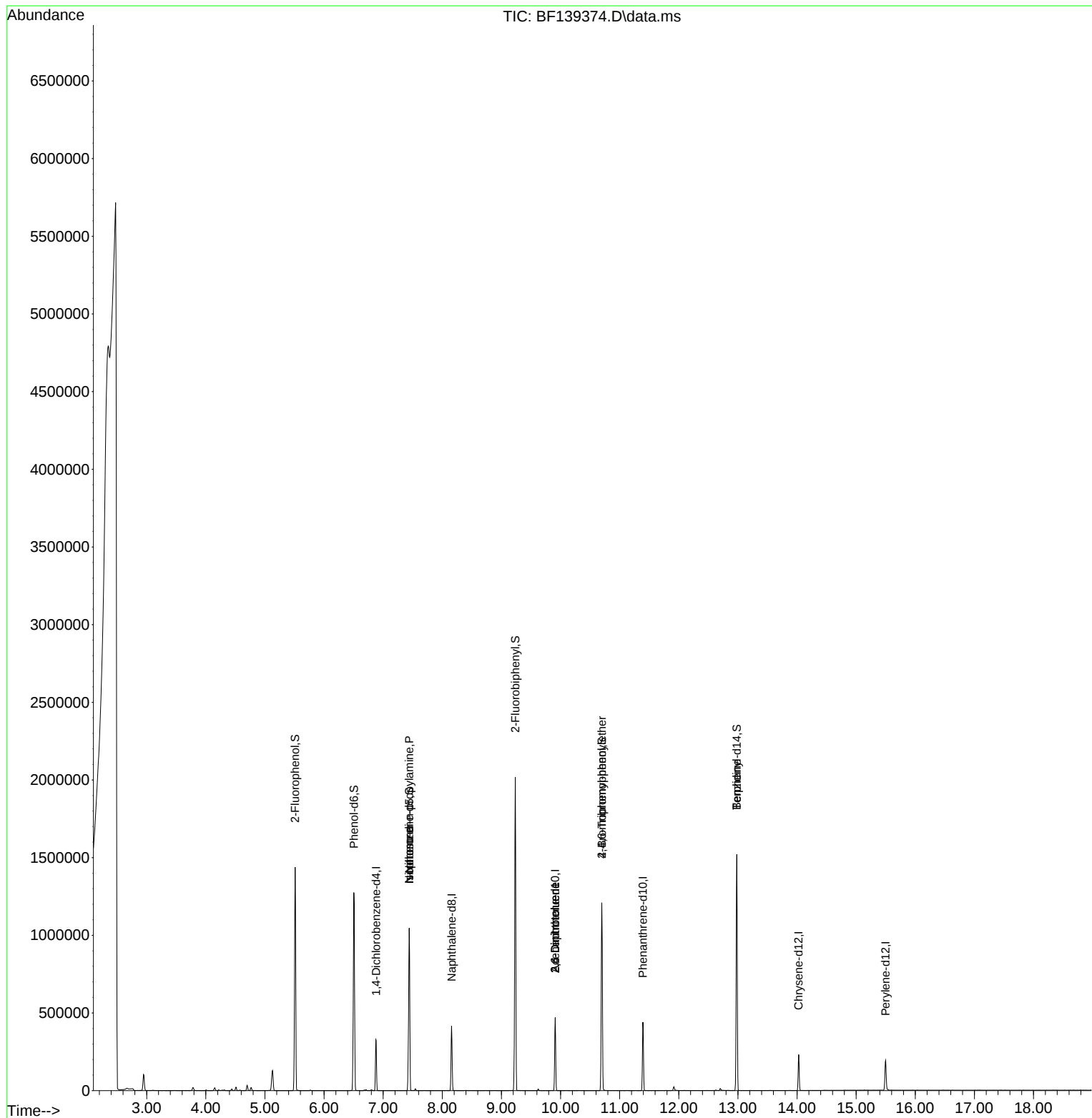
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	64507	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	235496	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	131620	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	230431	20.000	ng	0.00
76) Chrysene-d12	14.027	240	106306	20.000	ng	0.00
86) Perylene-d12	15.498	264	117802	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	465714	117.777	ng	0.02
7) Phenol-d6	6.504	99	557664	107.446	ng	0.00
23) Nitrobenzene-d5	7.440	82	459773	91.783	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	180696	128.953	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	855619	91.173	ng	0.00
79) Terphenyl-d14	12.980	244	703728	108.657	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	64341	20.920	ng	# 76
25) Isophorone	7.440	82	458076	57.821	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	16663	8.707	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	16663	6.449	ng	# 16
67) 4-Bromophenyl-phenylether	10.698	248	12493	5.471	ng	# 1
77) Benzidine	12.980	184	11271	7.400	ng	# 92

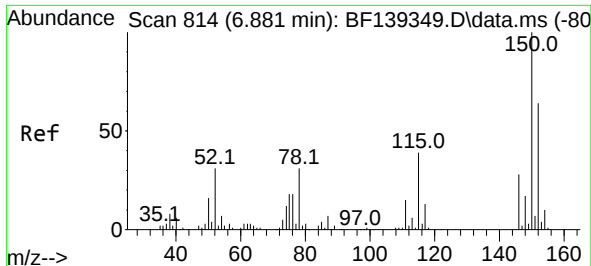
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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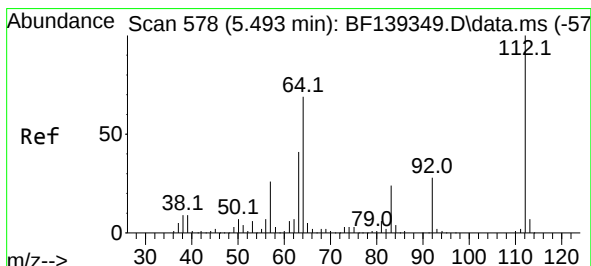
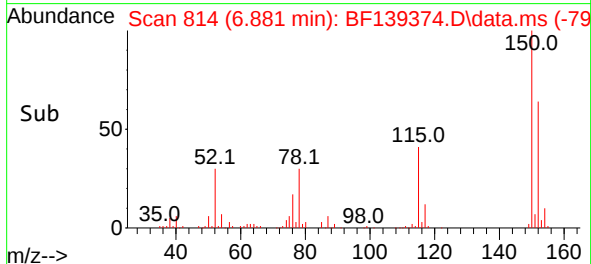
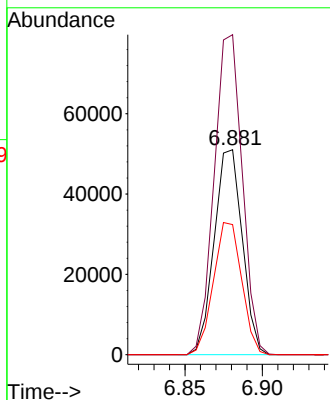
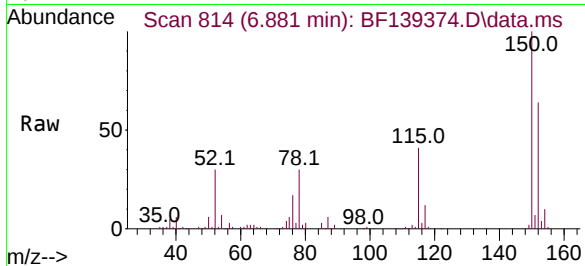




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

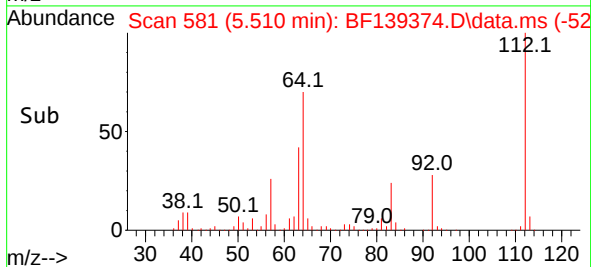
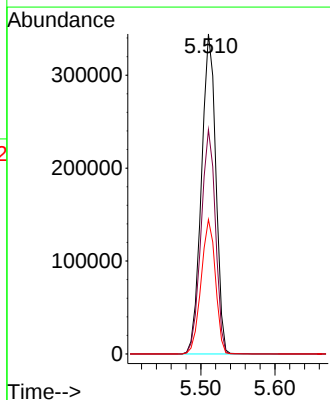
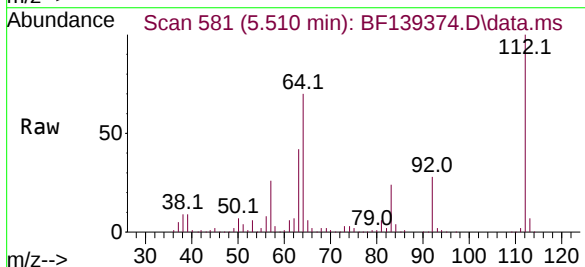
Instrument :
BNA_F
ClientSampleId :
TP-2

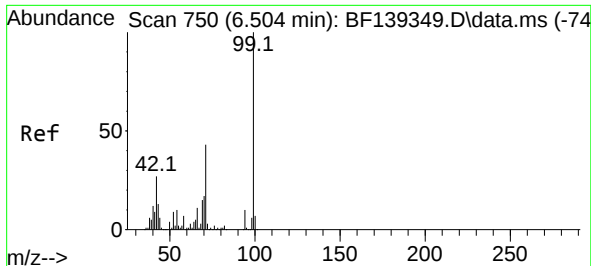
Tgt Ion:152 Resp: 64507
Ion Ratio Lower Upper
152 100
150 156.1 124.1 186.1
115 63.5 48.1 72.1



#5
2-Fluorophenol
Concen: 117.777 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.017 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion:112 Resp: 465714
Ion Ratio Lower Upper
112 100
64 70.1 54.8 82.2
63 42.0 33.0 49.4



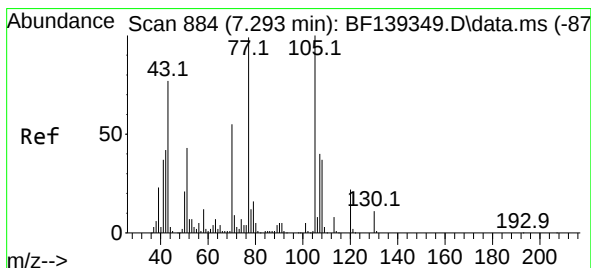
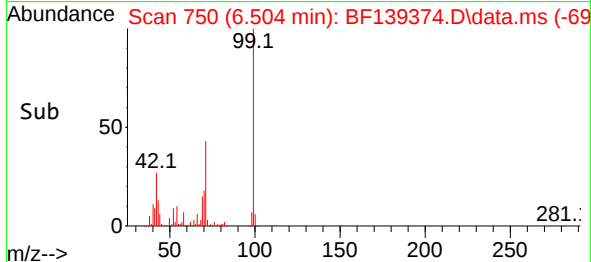
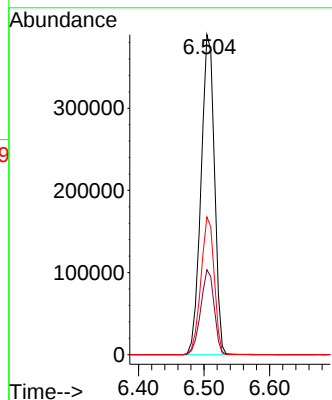
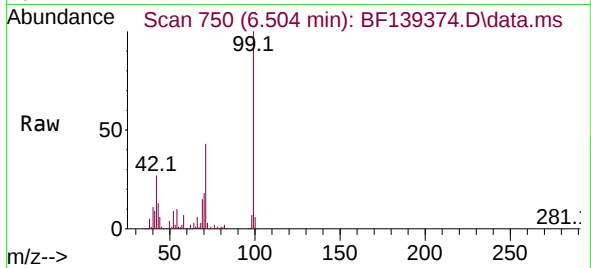


#7
Phenol-d6
Concen: 107.446 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 557664

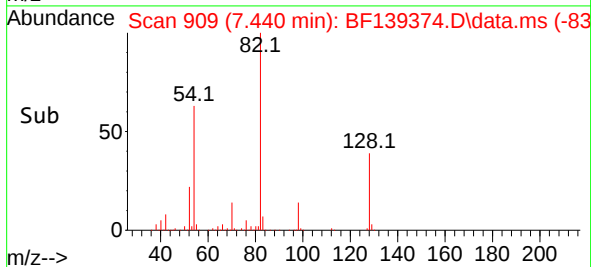
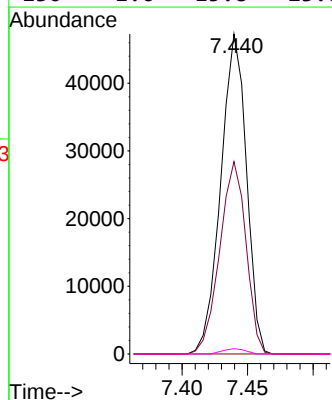
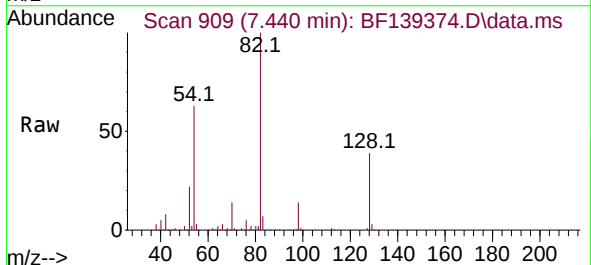
Ion	Ratio	Lower	Upper
99	100		
42	26.5	21.9	32.9
71	43.1	34.6	52.0

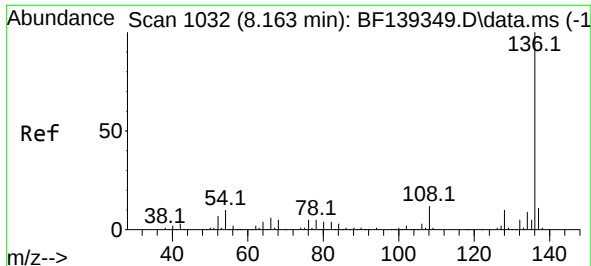


#19
n-Nitroso-di-n-propylamine
Concen: 20.920 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion: 70 Resp: 64341

Ion	Ratio	Lower	Upper
70	100		
42	60.1	61.2	91.8#
101	0.0	7.5	11.3#
130	1.6	15.8	23.8#

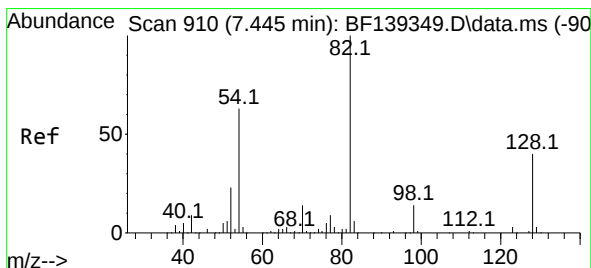
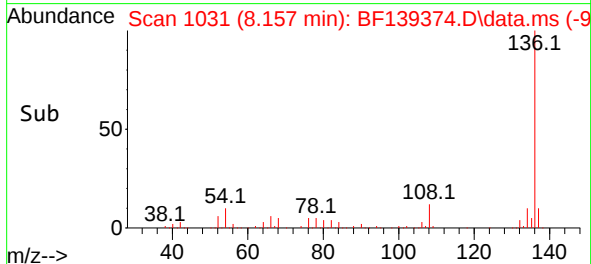
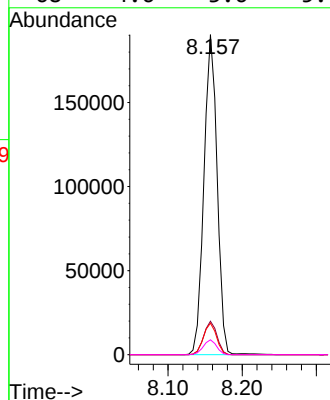
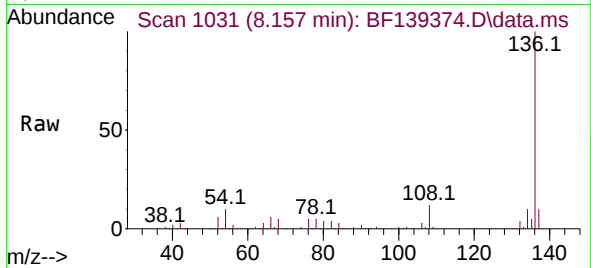




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

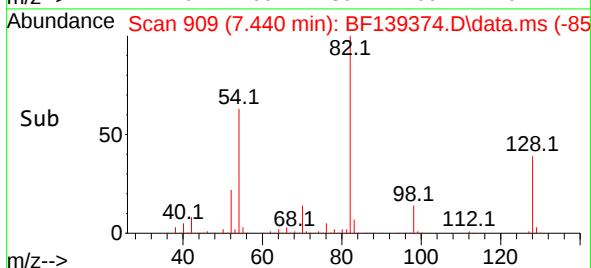
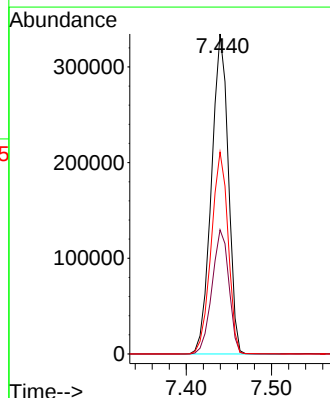
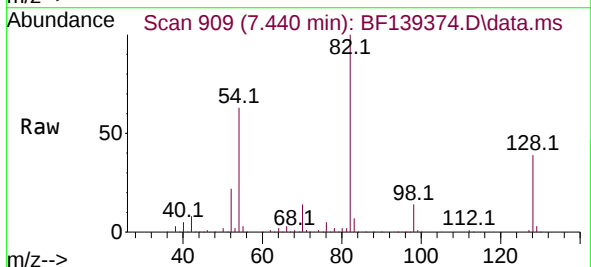
Instrument :
BNA_F
ClientSampleId :
TP-2

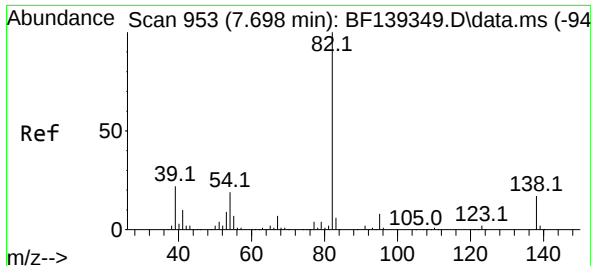
Tgt Ion:	136	Resp:	235496
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	9.9	7.8	11.8
68	4.6	3.6	5.4



#23
Nitrobenzene-d5
Concen: 91.783 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion:	82	Resp:	459773
Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.8	47.6
54	63.1	50.6	75.8

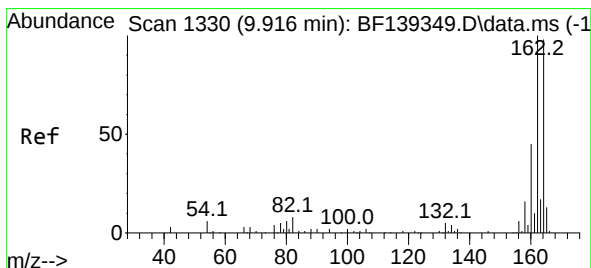
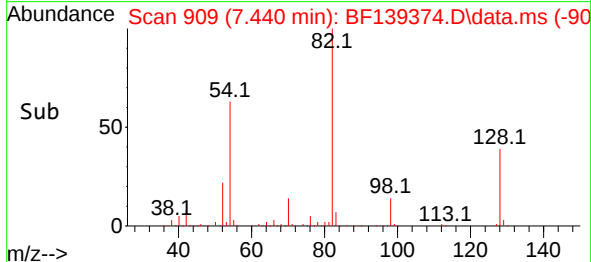
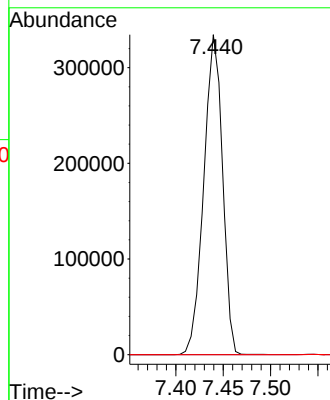
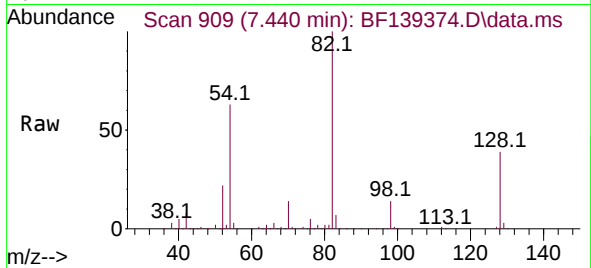




#25
Isophorone
Concen: 57.821 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

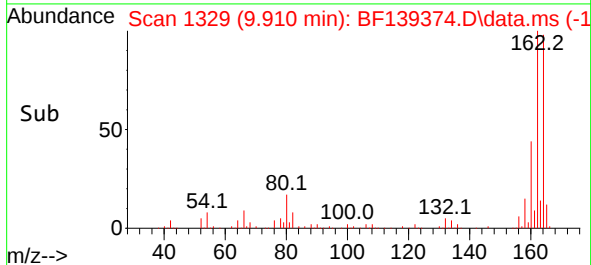
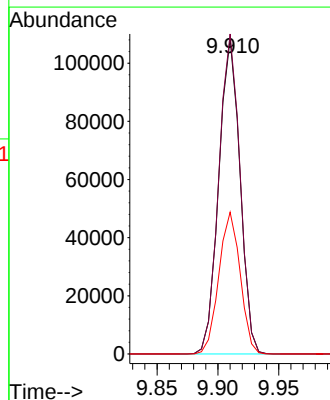
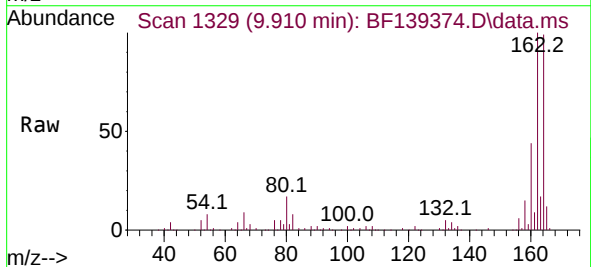
Instrument :
BNA_F
ClientSampleId :
TP-2

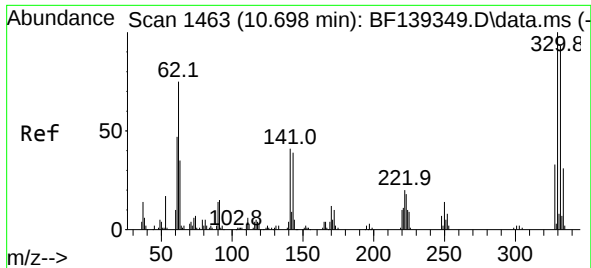
Tgt Ion: 82 Resp: 458076
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion:164 Resp: 131620
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.0 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 128.953 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139374.D

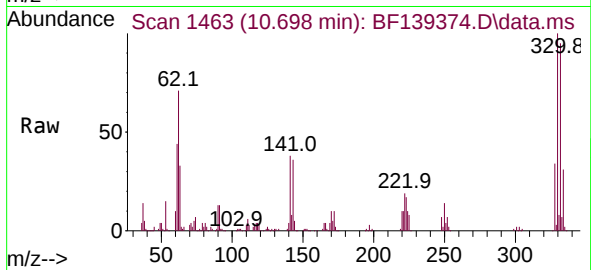
Acq: 14 Sep 2024 18:05

Instrument :

BNA_F

ClientSampleId :

TP-2



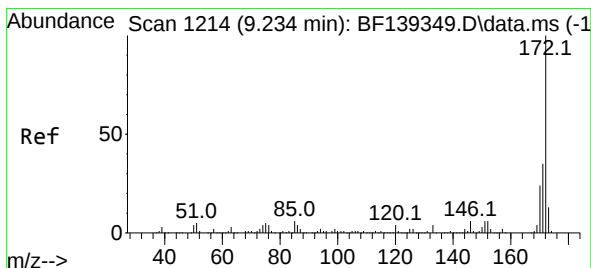
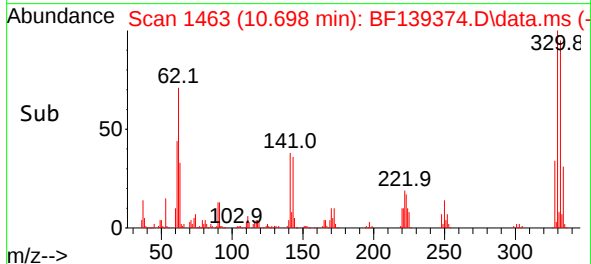
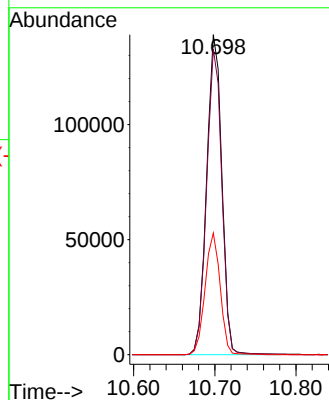
Tgt Ion:330 Resp: 180696

Ion Ratio Lower Upper

330 100

332 95.4 75.2 112.8

141 37.7 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 91.173 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139374.D

Acq: 14 Sep 2024 18:05

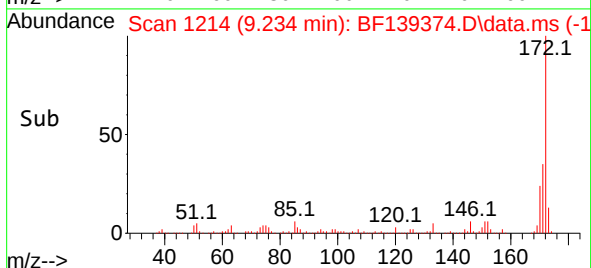
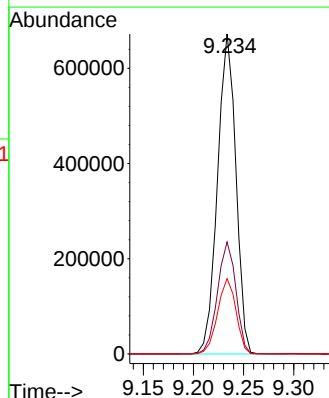
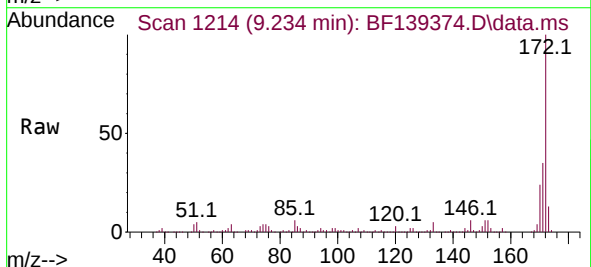
Tgt Ion:172 Resp: 855619

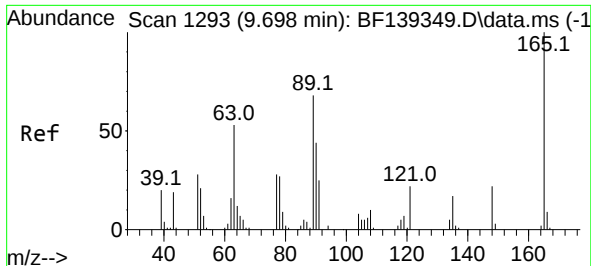
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.707 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF139374.D

Acq: 14 Sep 2024 18:05

Instrument :

BNA_F

ClientSampleId :

TP-2

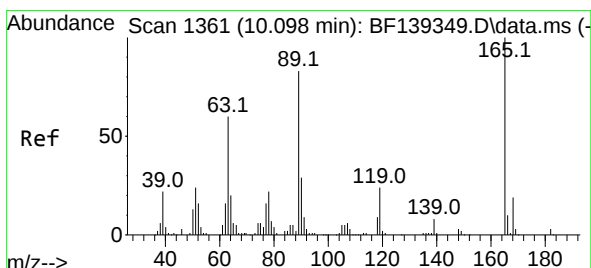
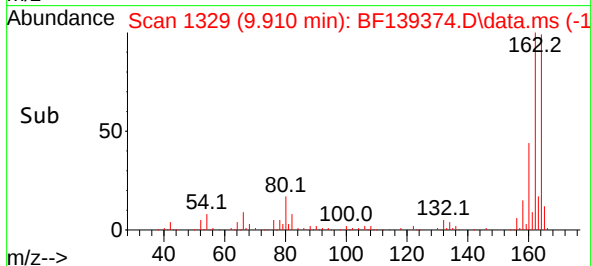
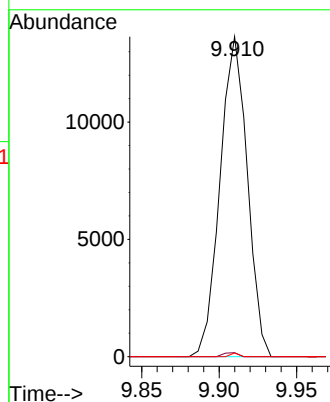
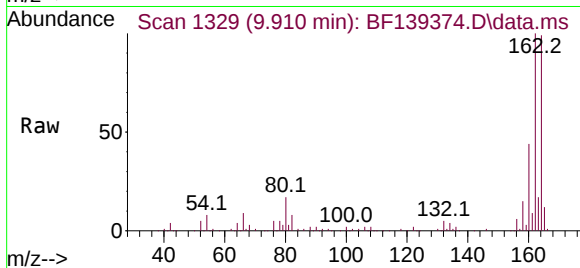
Tgt Ion:165 Resp: 16663

Ion Ratio Lower Upper

165 100

63 1.3 60.9 91.3#

89 1.1 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.449 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139374.D

Acq: 14 Sep 2024 18:05

Tgt Ion:165 Resp: 16663

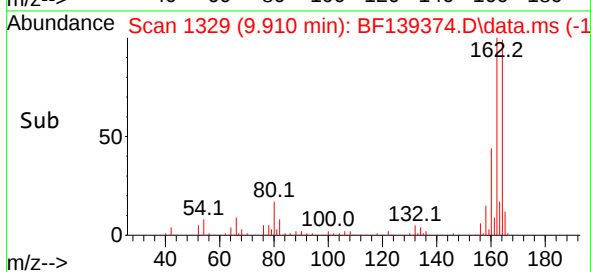
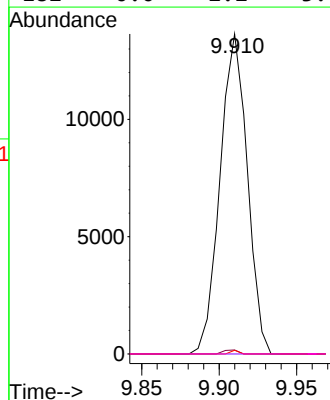
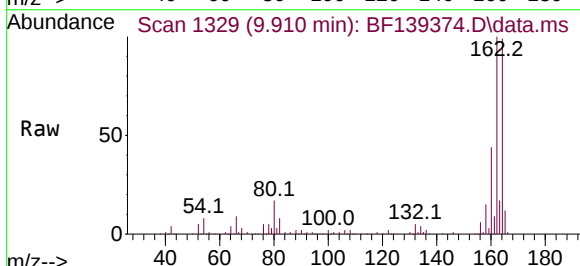
Ion Ratio Lower Upper

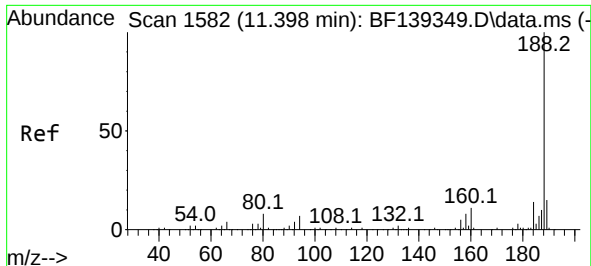
165 100

63 1.3 47.8 71.6#

89 1.1 66.7 100.1#

182 0.0 2.2 3.4#

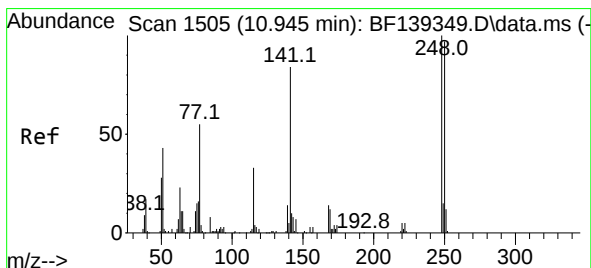
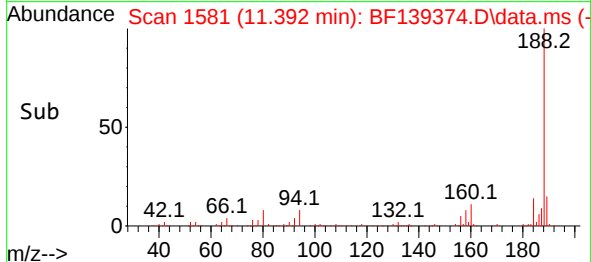
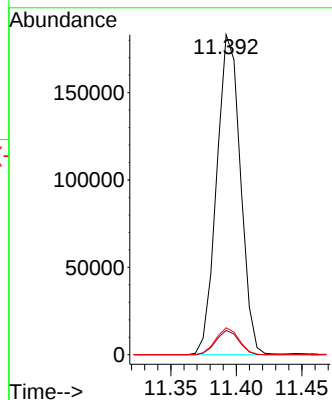
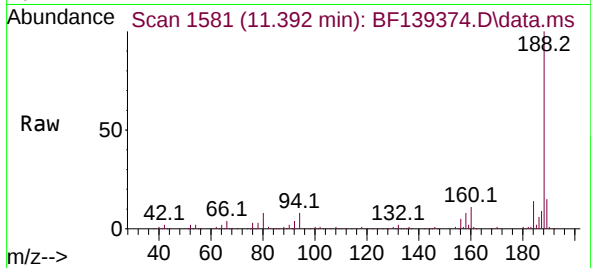




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

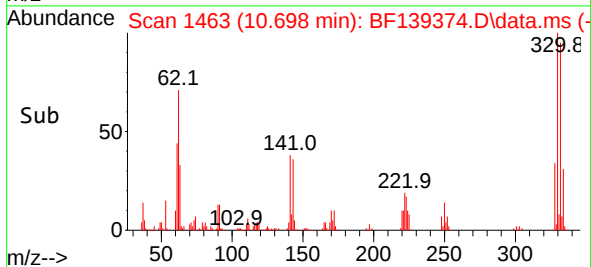
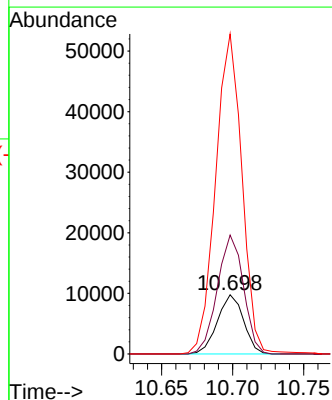
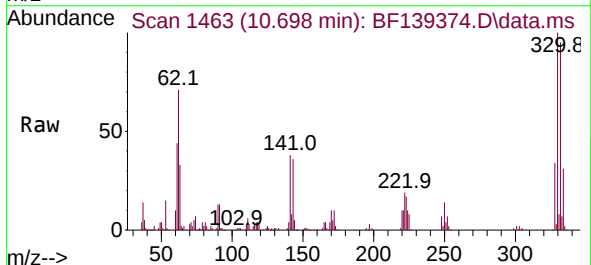
Instrument :
BNA_F
ClientSampleId :
TP-2

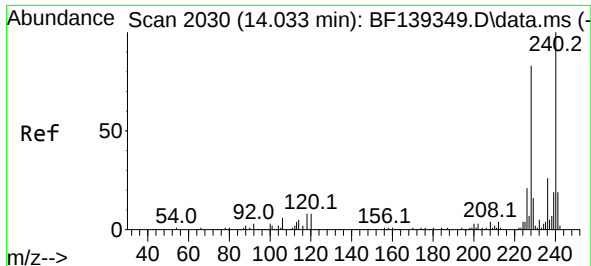
Tgt Ion:188 Resp: 230431
Ion Ratio Lower Upper
188 100
94 7.6 5.5 8.3
80 8.4 6.6 9.8



#67
4-Bromophenyl-phenylether
Concen: 5.471 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion:248 Resp: 12493
Ion Ratio Lower Upper
248 100
250 200.6 77.6 116.4#
141 540.0 66.9 100.3#

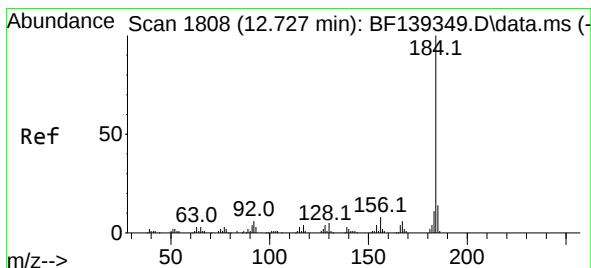
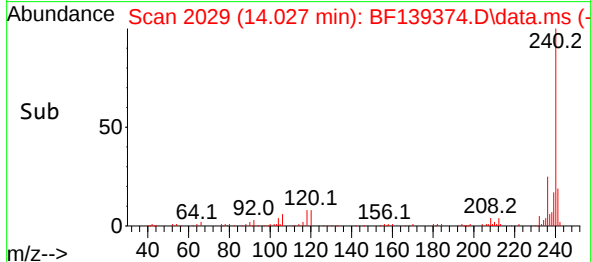
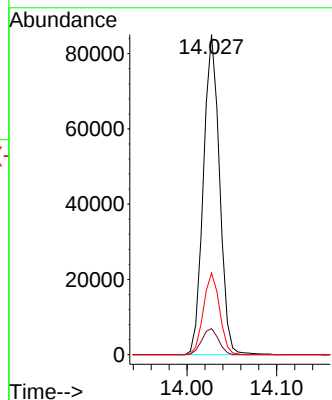
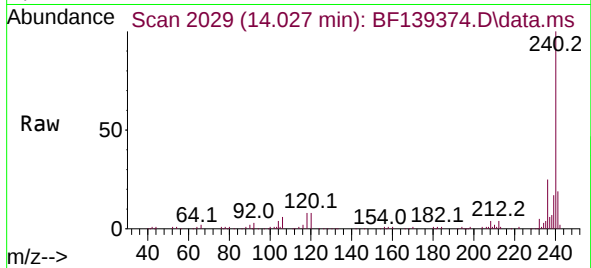




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

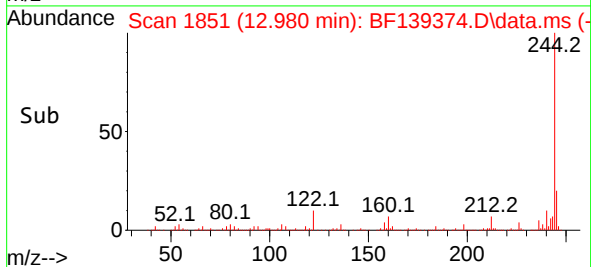
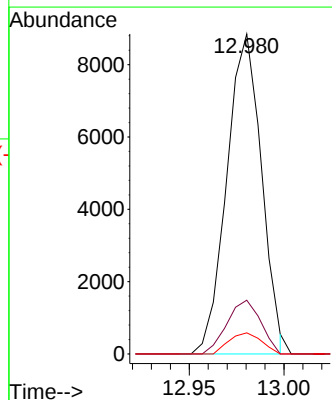
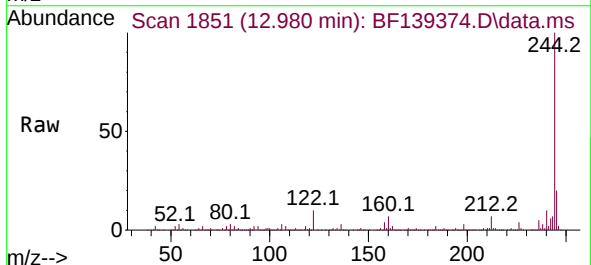
Instrument :
BNA_F
ClientSampleId :
TP-2

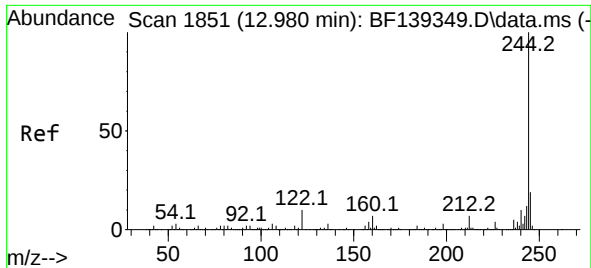
Tgt Ion:240 Resp: 106306
Ion Ratio Lower Upper
240 100
120 8.1 6.2 9.2
236 25.5 20.9 31.3



#77
Benzidine
Concen: 7.400 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF139374.D
Acq: 14 Sep 2024 18:05

Tgt Ion:184 Resp: 11271
Ion Ratio Lower Upper
184 100
185 16.8 11.5 17.3
183 6.6 8.9 13.3#

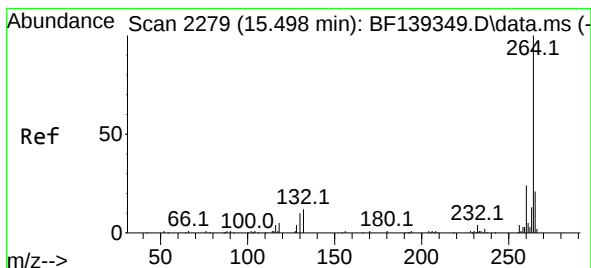
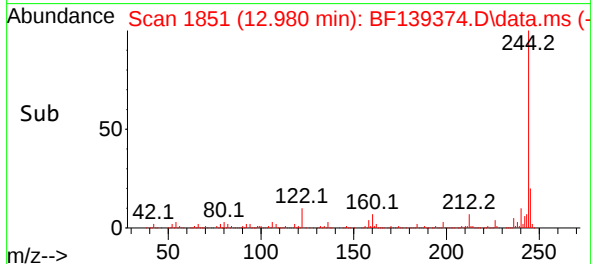
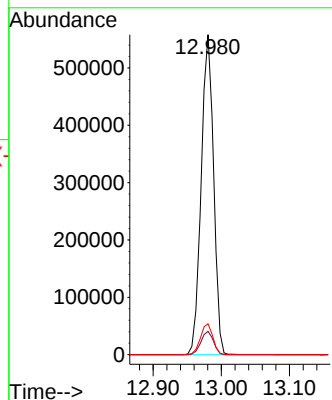
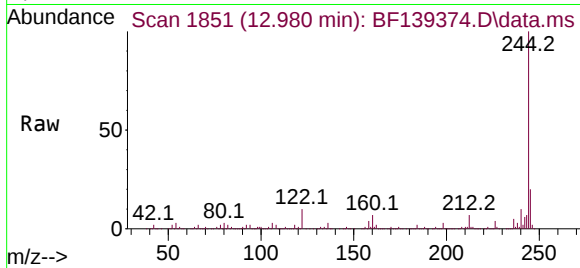




#79
 Terphenyl-d14
 Concen: 108.657 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139374.D
 Acq: 14 Sep 2024 18:05

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 703728
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.6 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: BF139374.D
 Acq: 14 Sep 2024 18:05

Tgt Ion:264 Resp: 117802
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.0 16.6 25.0

