

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139721.D
 Acq On : 09 Oct 2024 14:36
 Operator : RC/JU
 Sample : P4340-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1B-3

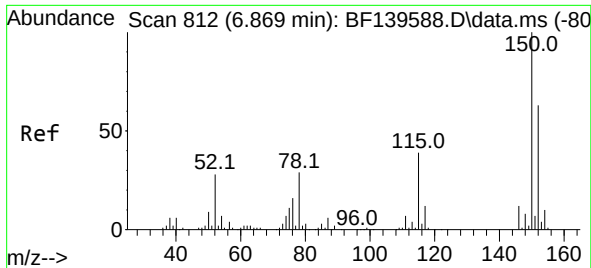
Quant Time: Oct 09 15:21:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	85414	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	322110	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	178988	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	336231	20.000	ng	0.00
76) Chrysene-d12	14.027	240	184881	20.000	ng	0.00
86) Perylene-d12	15.498	264	157783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	564981	114.648	ng	0.00
7) Phenol-d6	6.498	99	747929	112.860	ng	0.00
23) Nitrobenzene-d5	7.428	82	483449	75.990	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	183161	106.006	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	862449	73.972	ng	0.00
79) Terphenyl-d14	12.975	244	860368	76.358	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	65297	15.326	ng	# 76
25) Isophorone	7.428	82	480129	42.491	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	23420	8.849	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	23420	6.770	ng	# 17
63) Azobenzene	10.616	77	116984	9.612	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12686	3.680	ng	# 1
77) Benzidine	12.969	184	11503	3.527	ng	# 91

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

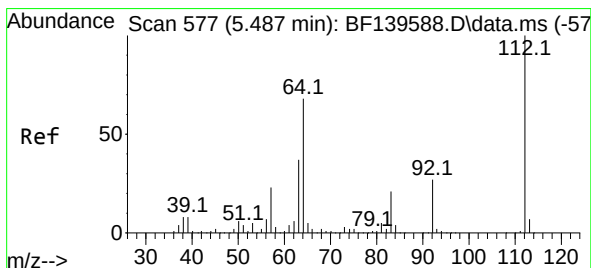
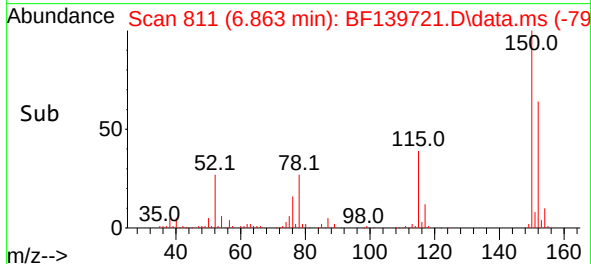
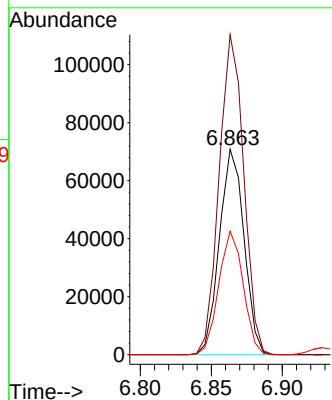
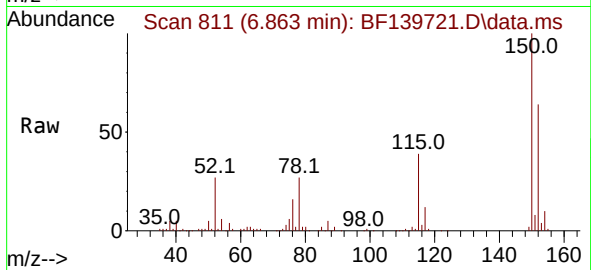
1B-3



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

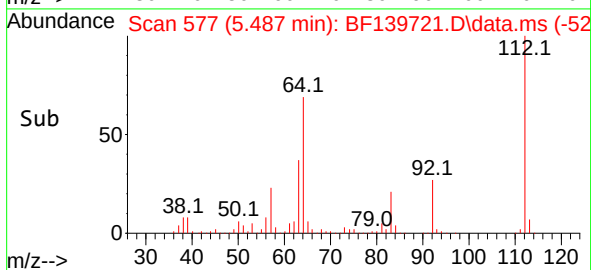
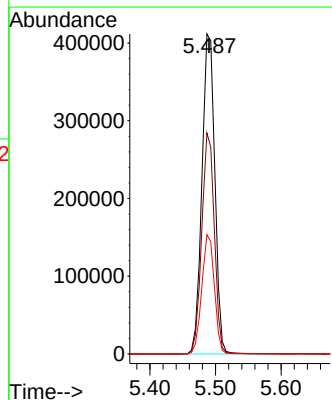
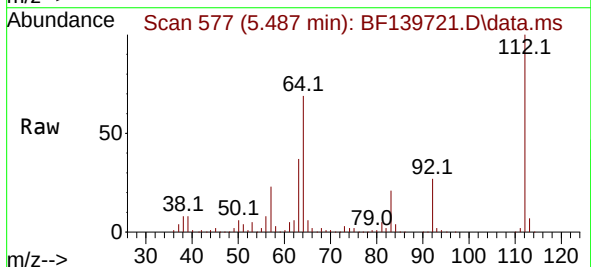
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ClientSampleId :
1B-3

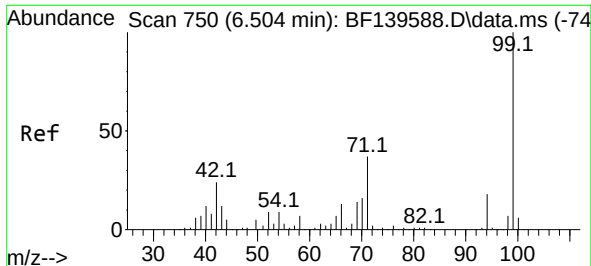
Tgt Ion:152 Resp: 85414
Ion Ratio Lower Upper
152 100
150 155.9 127.2 190.8
115 60.2 49.0 73.4



#5
2-Fluorophenol
Concen: 114.648 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion:112 Resp: 564981
Ion Ratio Lower Upper
112 100
64 69.0 54.2 81.4
63 37.3 29.4 44.2

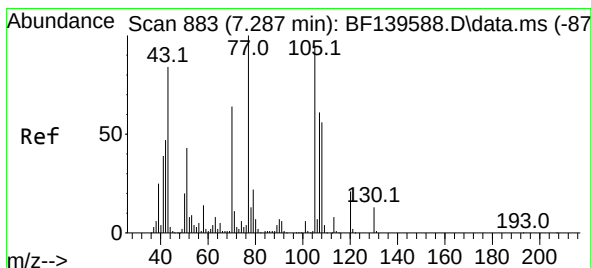
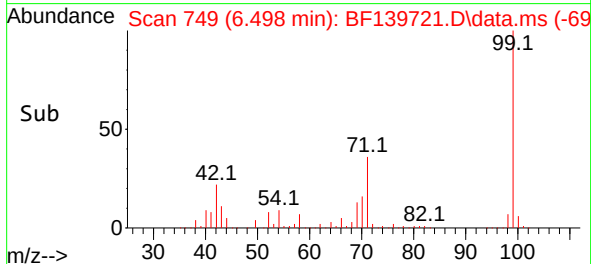
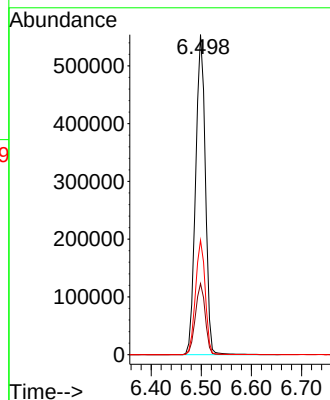
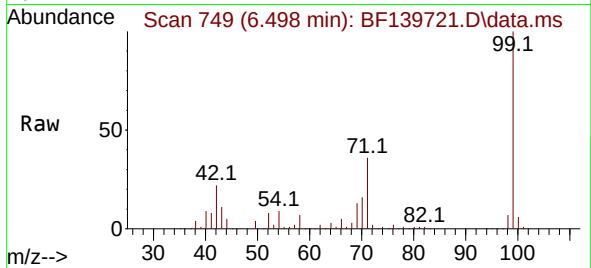




#7
Phenol-d6
Concen: 112.860 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

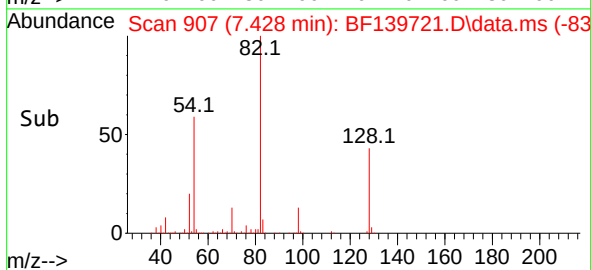
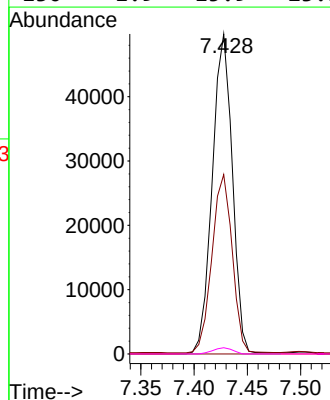
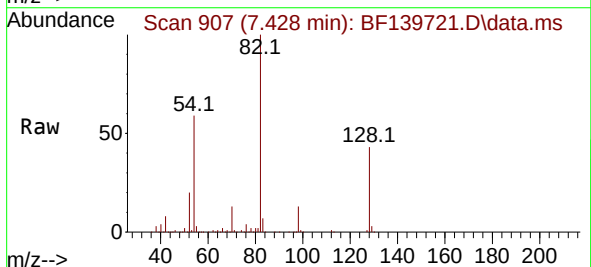
Instrument :
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ClientSampleId :
1B-3

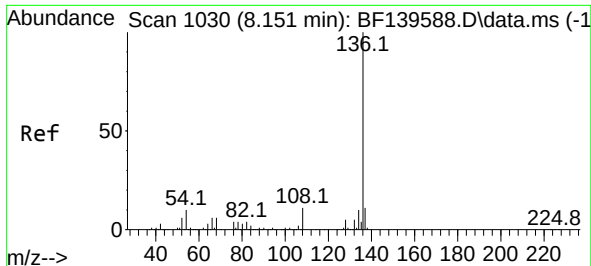
Tgt Ion: 99 Resp: 747929
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 35.8 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.326 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion: 70 Resp: 65297
Ion Ratio Lower Upper
70 100
42 56.1 58.0 87.0#
101 0.0 7.8 11.8#
130 1.9 15.9 23.9#



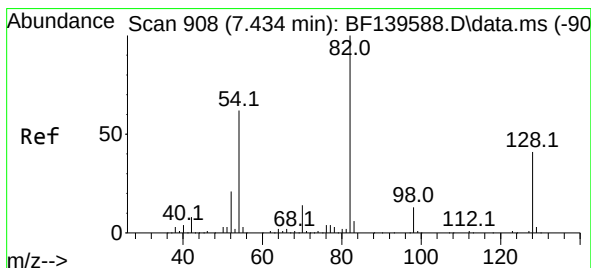
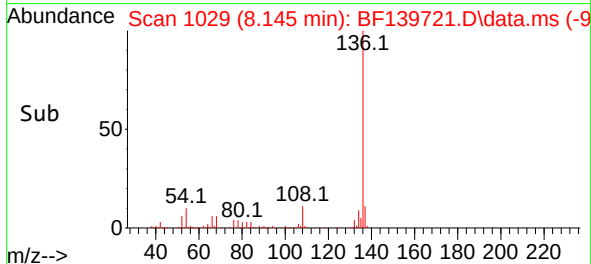
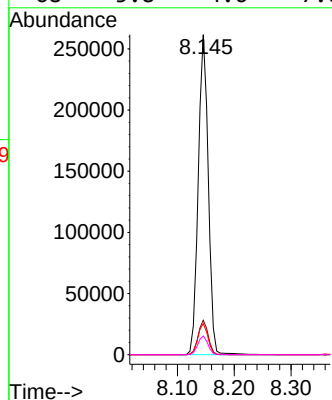
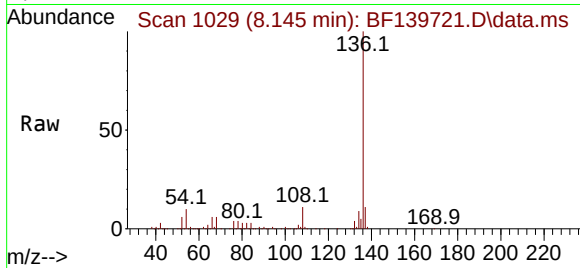


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Instrument :
BNA_F
ClientSampleId :
1B-3

Tgt Ion:136 Resp: 322110

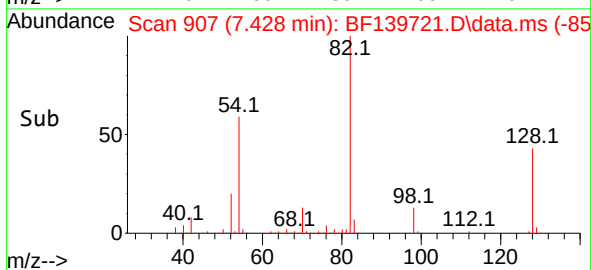
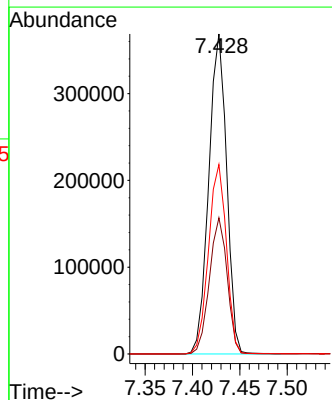
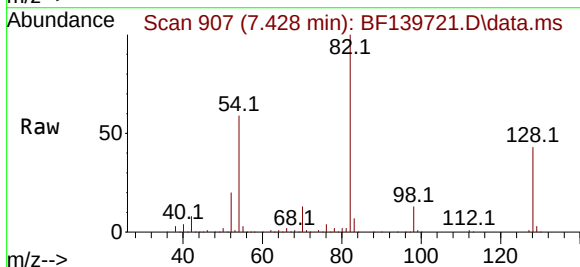
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	8.3	12.5
68	5.8	4.6	7.0

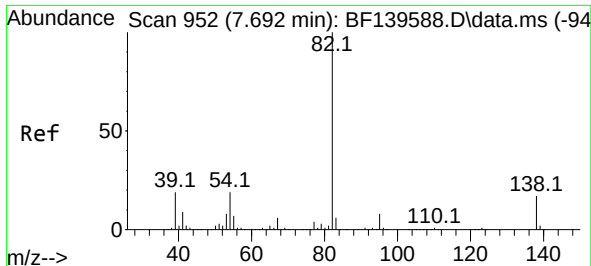


#23
Nitrobenzene-d5
Concen: 75.990 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion: 82 Resp: 483449

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.4	48.6
54	59.2	49.1	73.7

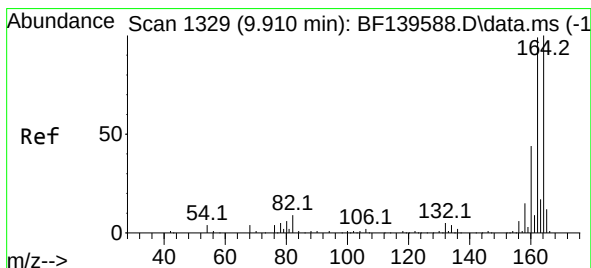
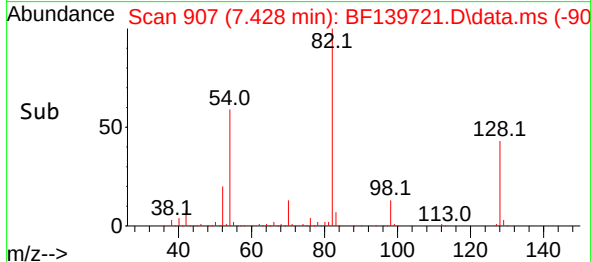
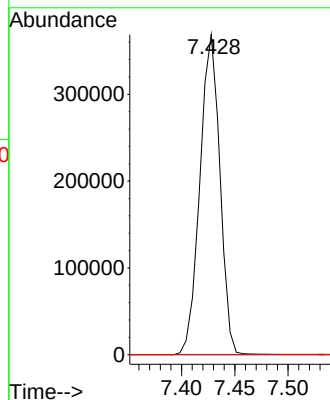
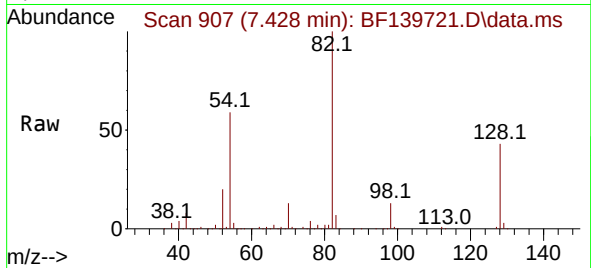




#25
Isophorone
Concen: 42.491 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

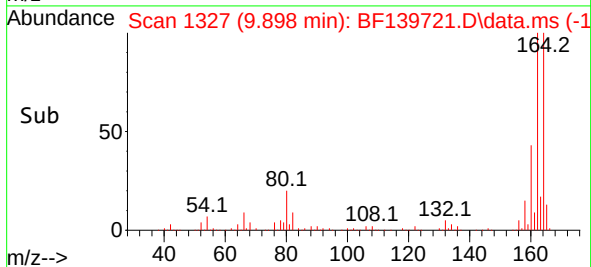
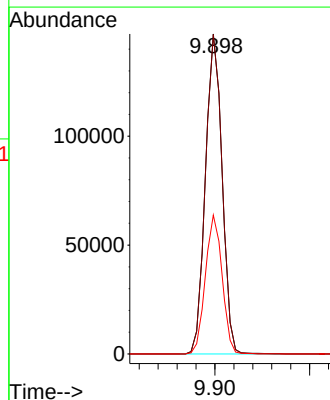
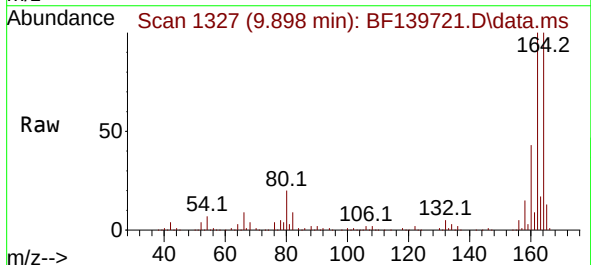
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ClientSampleId :
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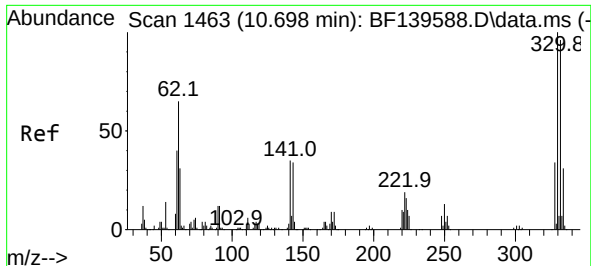
Tgt Ion: 82 Resp: 480129
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion:164 Resp: 178988
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 43.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 106.006 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139721.D

Acq: 09 Oct 2024 14:36

Instrument :

BNA_F

ClientSampleId :

1B-3

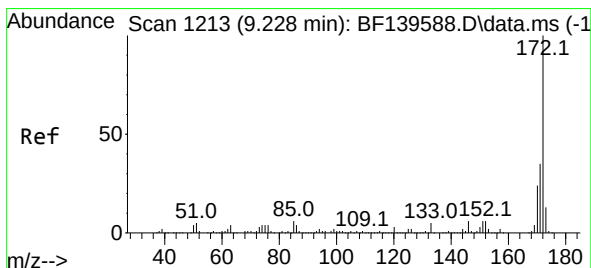
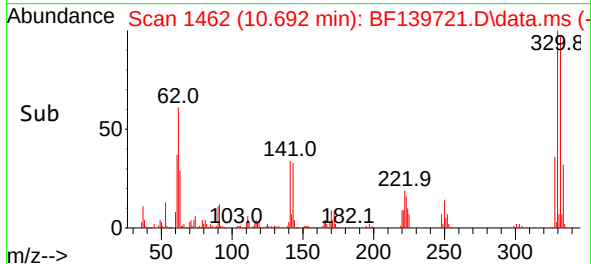
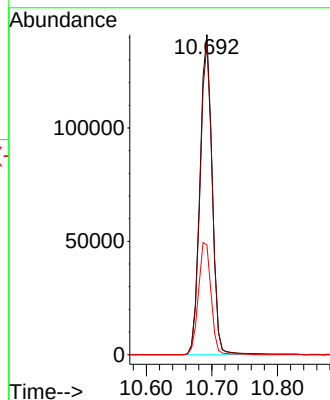
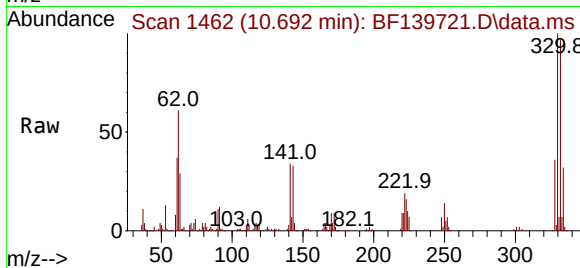
Tgt Ion:330 Resp: 183161

Ion Ratio Lower Upper

330 100

332 97.0 76.5 114.7

141 36.2 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 73.972 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139721.D

Acq: 09 Oct 2024 14:36

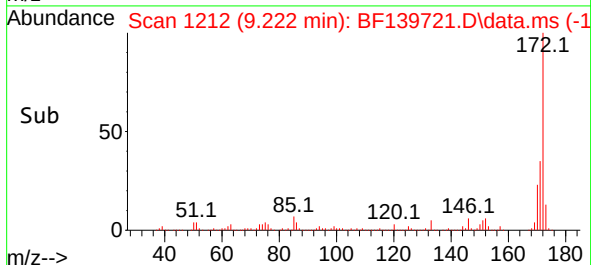
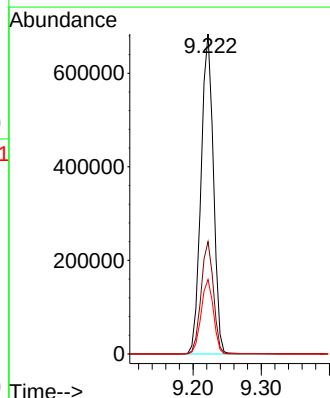
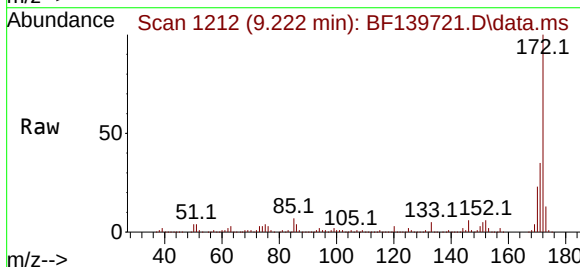
Tgt Ion:172 Resp: 862449

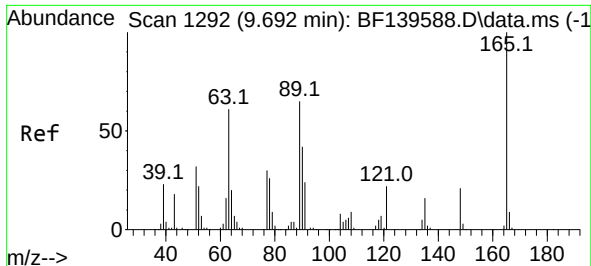
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.3 18.8 28.2

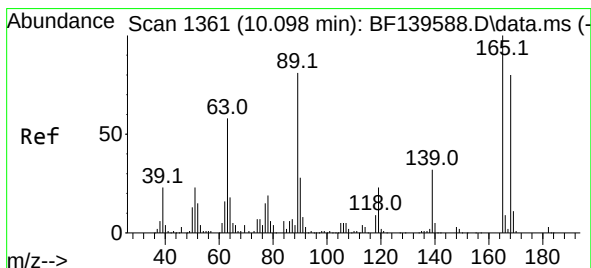
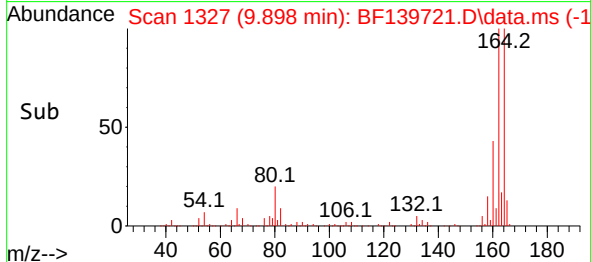
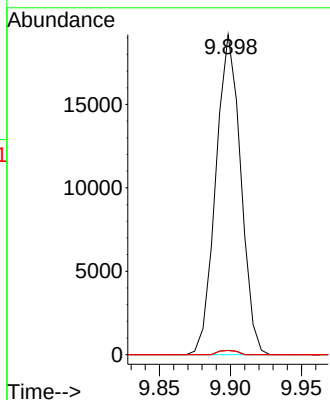
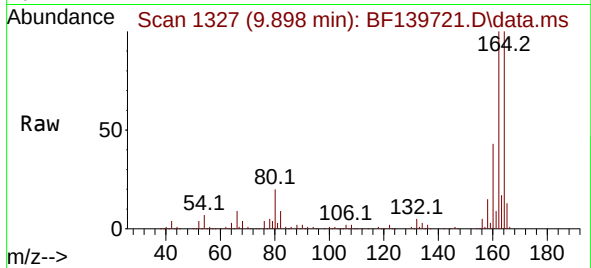




#51
2,6-Dinitrotoluene
Concen: 8.849 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

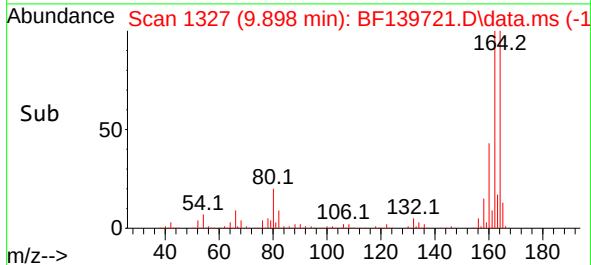
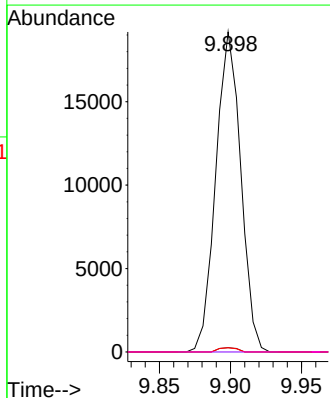
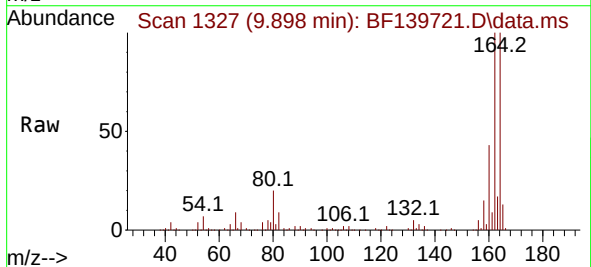
Instrument :
BNA_F
ClientSampleId :
1B-3

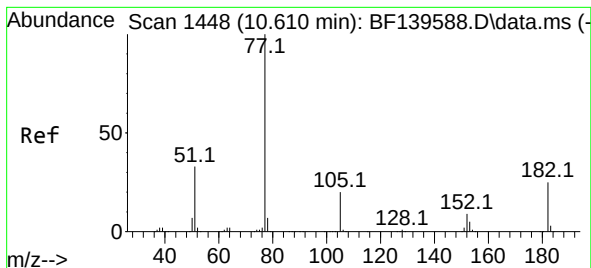
Tgt Ion:165 Resp: 23420
Ion Ratio Lower Upper
165 100
63 1.4 56.7 85.1#
89 1.3 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.770 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion:165 Resp: 23420
Ion Ratio Lower Upper
165 100
63 1.4 46.9 70.3#
89 1.3 64.4 96.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 9.612 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF139721.D

Acq: 09 Oct 2024 14:36

Instrument :

BNA_F

ClientSampleId :

1B-3

Tgt Ion: 77 Resp: 116984

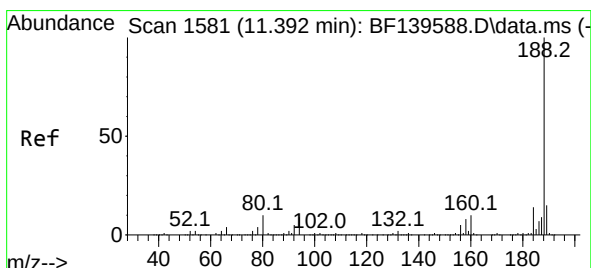
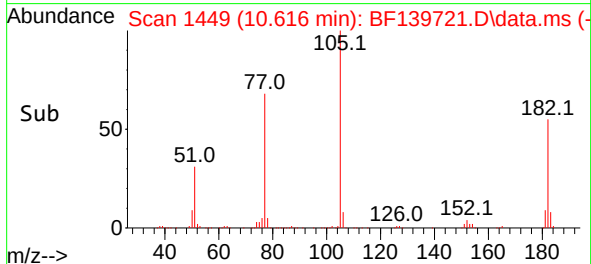
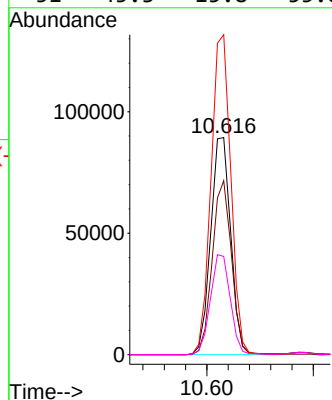
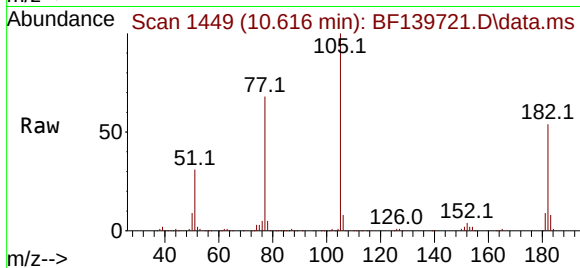
Ion Ratio Lower Upper

77 100

182 80.1 4.2 44.2#

105 147.4 0.0 39.6#

51 45.3 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: BF139721.D

Acq: 09 Oct 2024 14:36

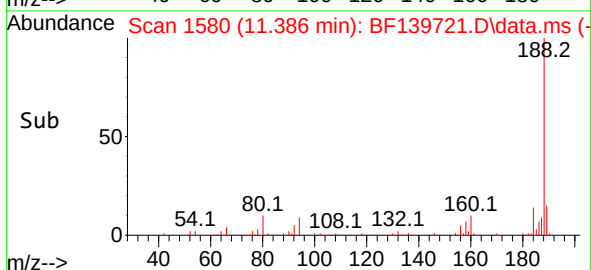
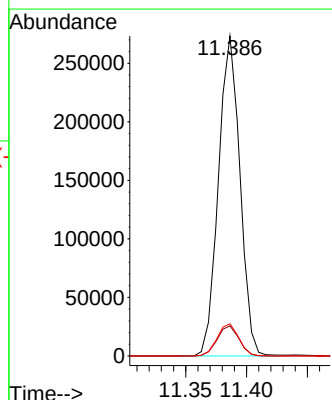
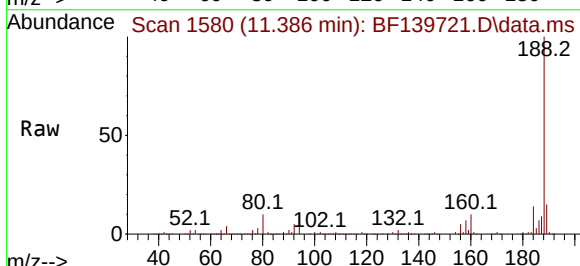
Tgt Ion:188 Resp: 336231

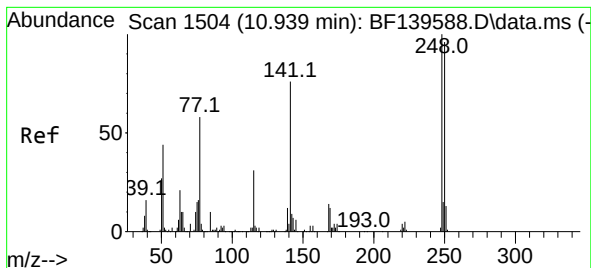
Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

80 10.1 8.2 12.2

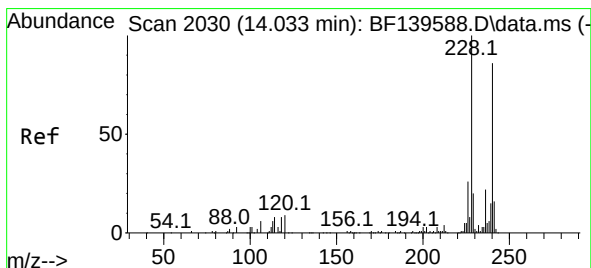
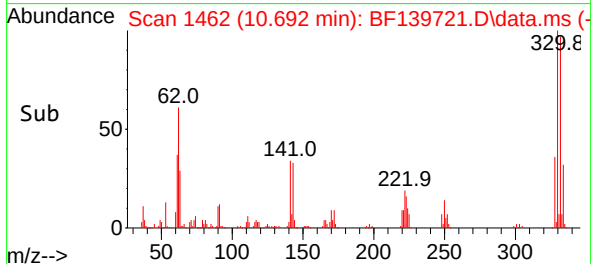
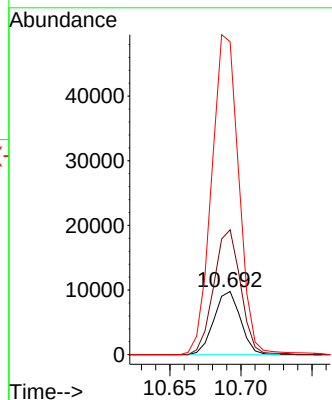
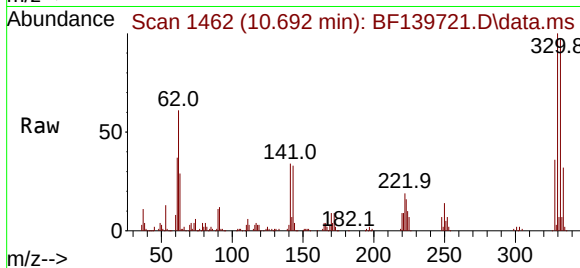




#67
4-Bromophenyl-phenylether
Concen: 3.680 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

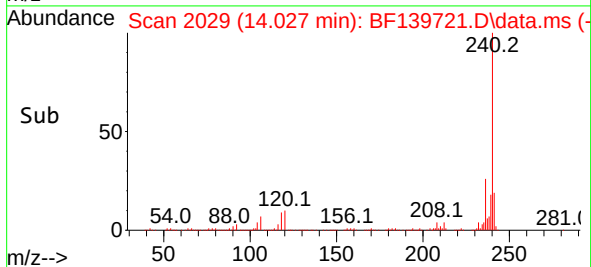
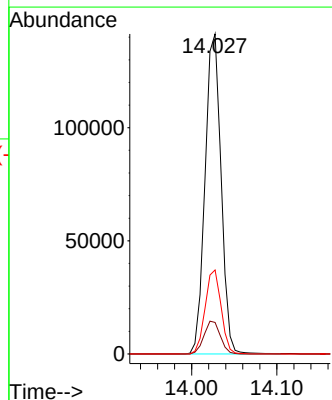
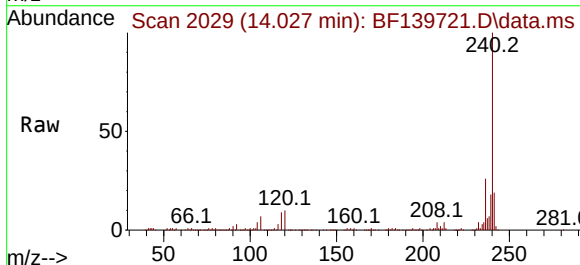
Instrument :
BNA_F
ClientSampleId :
1B-3

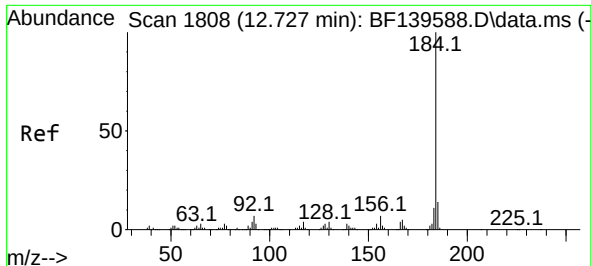
Tgt Ion:248 Resp: 12686
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 495.6 60.4 90.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion:240 Resp: 184881
Ion Ratio Lower Upper
240 100
120 9.9 8.4 12.6
236 26.2 20.3 30.5

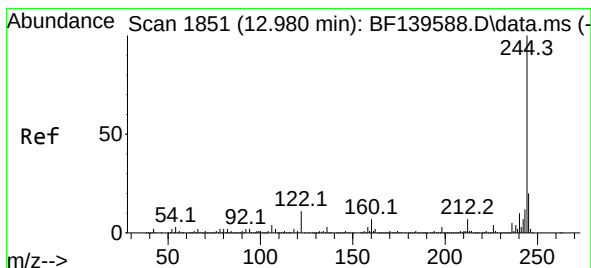
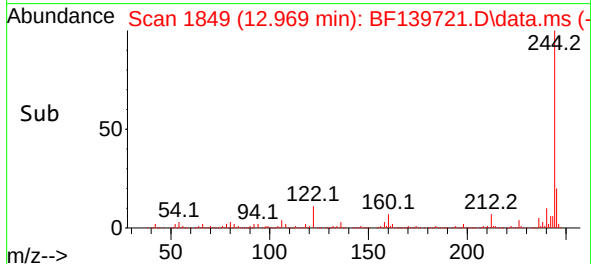
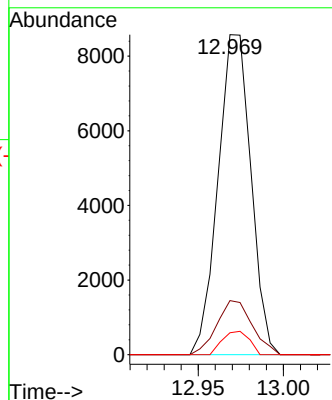
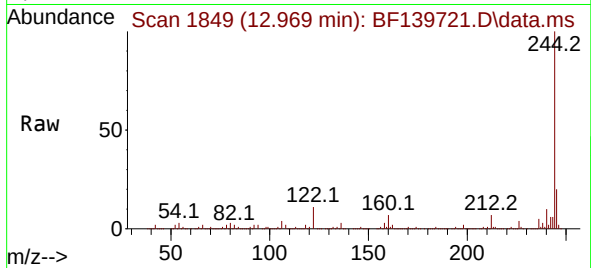




#77
Benzidine
Concen: 3.527 ng
RT: 12.969 min Scan# 1849
Delta R.T. 0.241 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

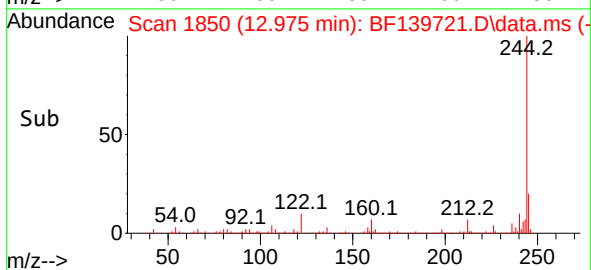
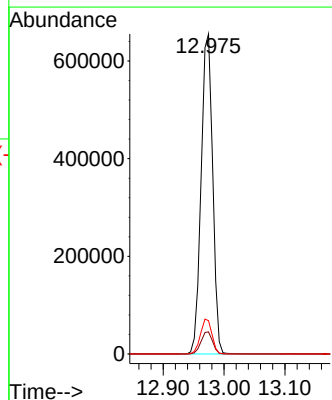
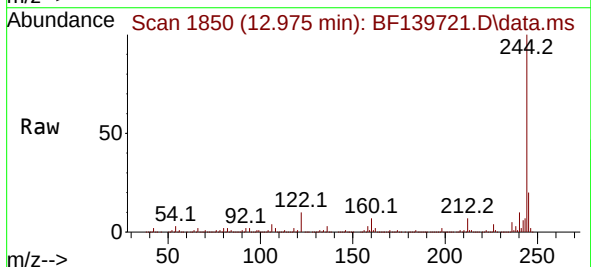
Instrument :
BNA_F
ClientSampleId :
1B-3

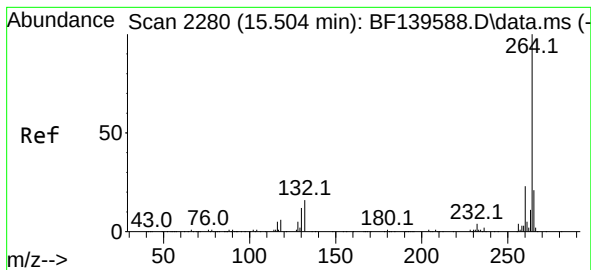
Tgt Ion:184 Resp: 11503
Ion Ratio Lower Upper
184 100
185 16.9 11.4 17.0
183 6.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 76.358 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.005 min
Lab File: BF139721.D
Acq: 09 Oct 2024 14:36

Tgt Ion:244 Resp: 860368
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 10.4 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: BF139721.D

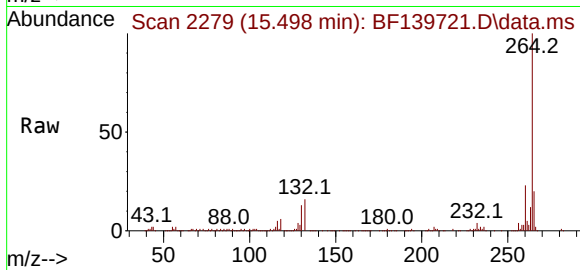
Acq: 09 Oct 2024 14:36

Instrument :

BNA_F

ClientSampleId :

1B-3



Tgt Ion:264 Resp: 157783

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 20.4 16.9 25.3

