

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100324\
 Data File : BF139638.D
 Acq On : 03 Oct 2024 18:26
 Operator : RC/JU
 Sample : P4236-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Quant Time: Oct 04 01:16:14 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)

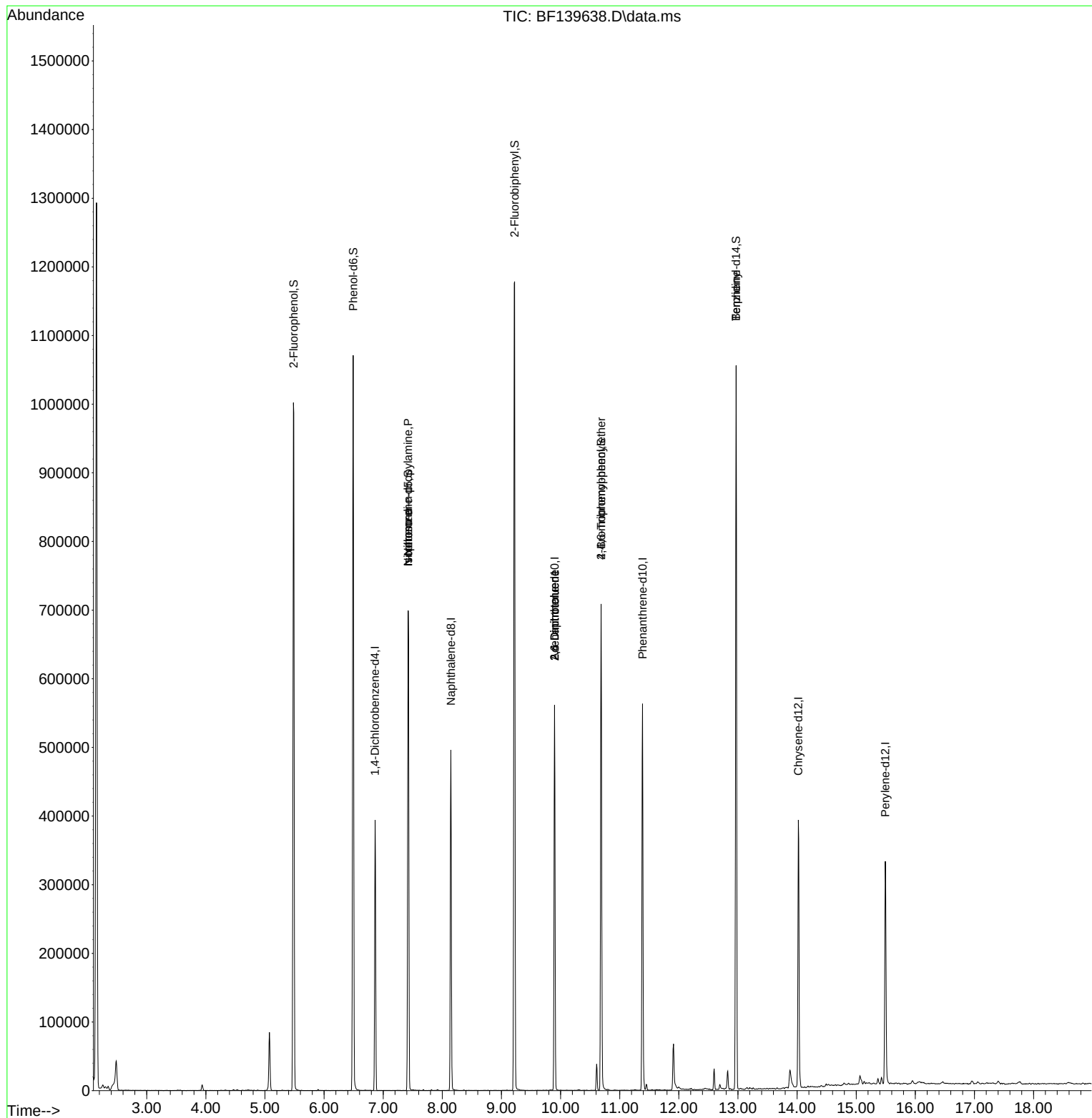
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	76416	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	291446	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	160467	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	291632	20.000	ng	0.00
76) Chrysene-d12	14.021	240	178951	20.000	ng	-0.01
86) Perylene-d12	15.492	264	184843	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	345932	78.463	ng	0.00
7) Phenol-d6	6.492	99	450472	75.978	ng	-0.01
23) Nitrobenzene-d5	7.422	82	295515	51.337	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	107260	69.243	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	525326	50.258	ng	0.00
79) Terphenyl-d14	12.968	244	491579	45.074	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	39205	10.285	ng	# 78
25) Isophorone	7.422	82	293266	28.684	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	20815	8.772	ng	# 17
57) 2,4-Dinitrotoluene	9.898	165	20815	6.711	ng	# 17
67) 4-Bromophenyl-phenylether	10.686	248	7456	2.494	ng	# 1
77) Benzidine	12.968	184	6714	2.127	ng	# 89

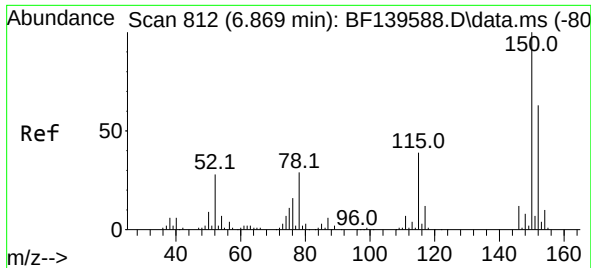
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

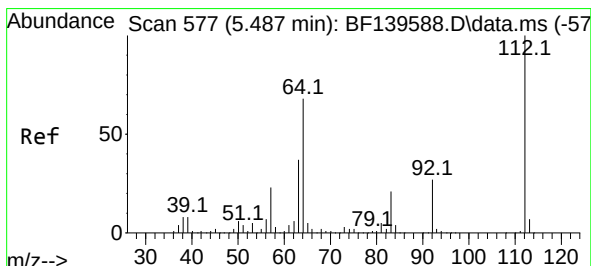
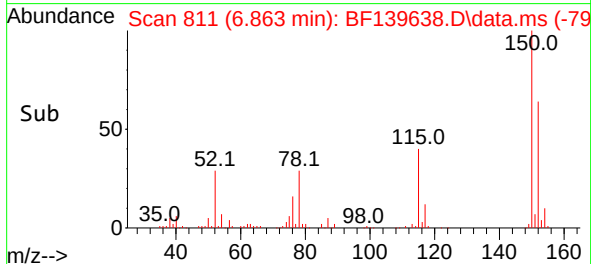
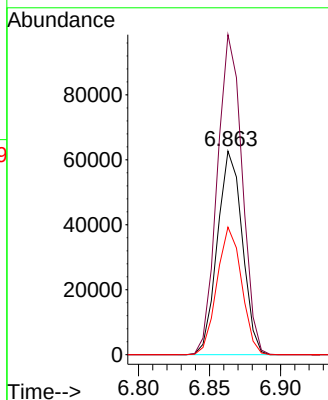
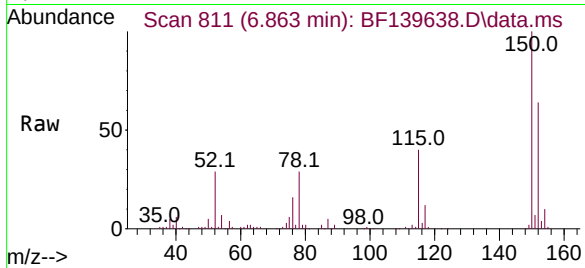




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

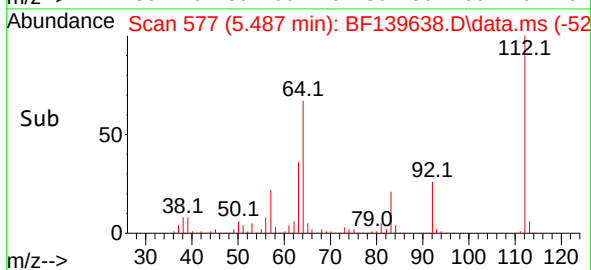
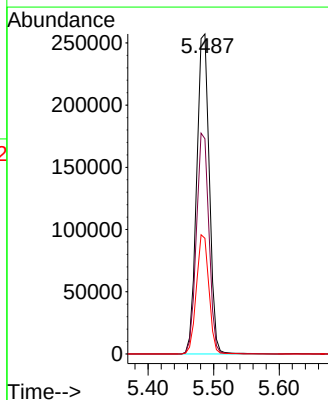
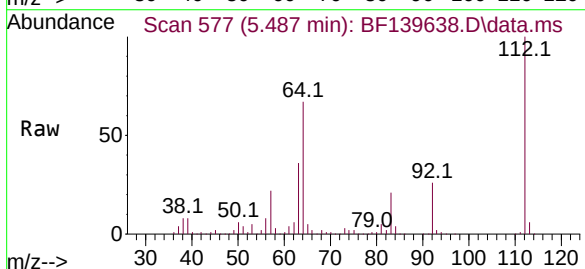
Instrument :
BNA_F
ClientSampleId :
TP2

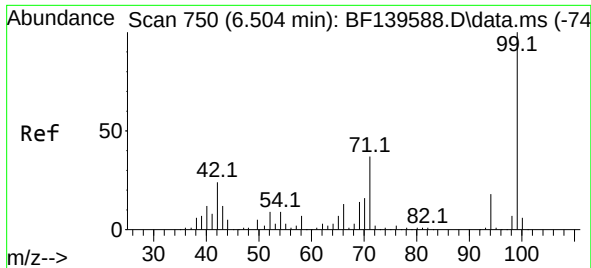
Tgt Ion:152 Resp: 76416
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 62.6 49.0 73.4



#5
2-Fluorophenol
Concen: 78.463 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion:112 Resp: 345932
Ion Ratio Lower Upper
112 100
64 67.2 54.2 81.4
63 36.2 29.4 44.2

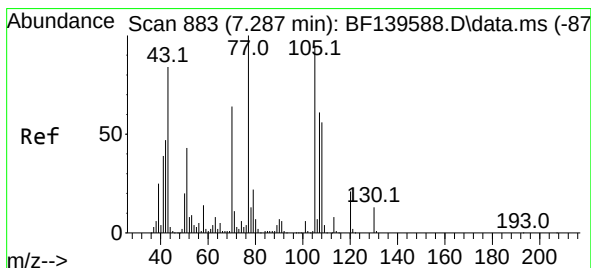
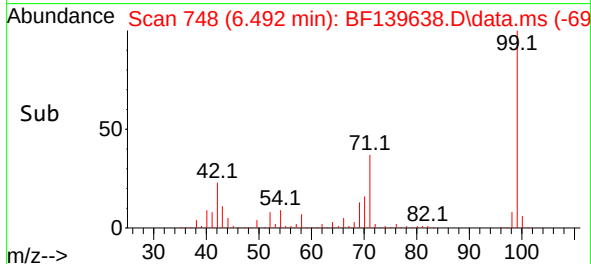
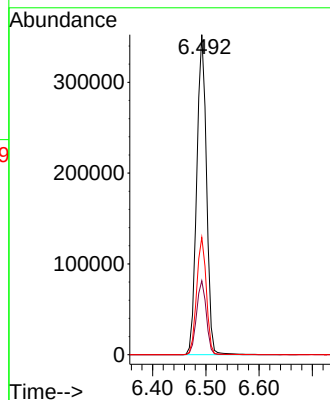
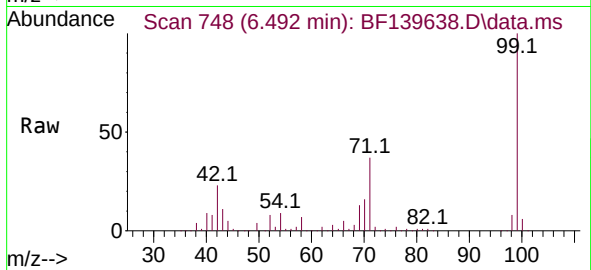




#7
Phenol-d6
Concen: 75.978 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

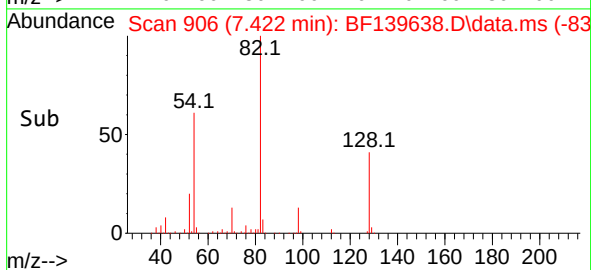
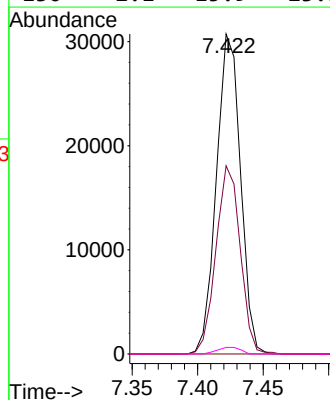
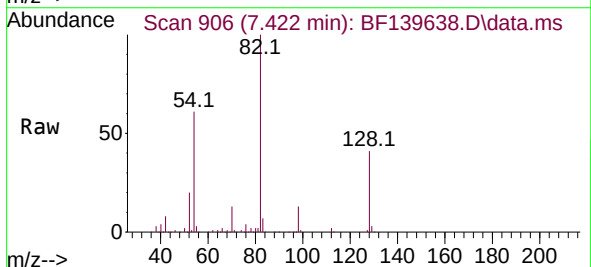
Instrument :
BNA_F
ClientSampleId :
TP2

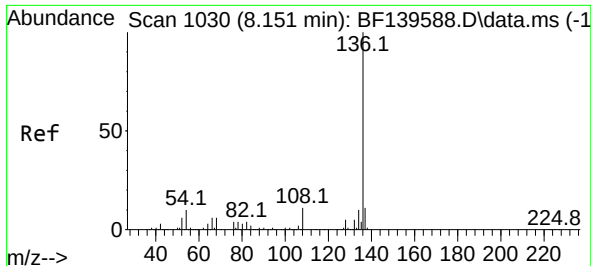
Tgt Ion: 99 Resp: 450472
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 36.6 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.285 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion: 70 Resp: 39205
Ion Ratio Lower Upper
70 100
42 58.8 58.0 87.0
101 0.0 7.8 11.8#
130 2.1 15.9 23.9#

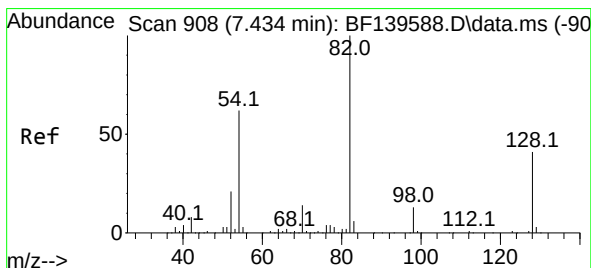
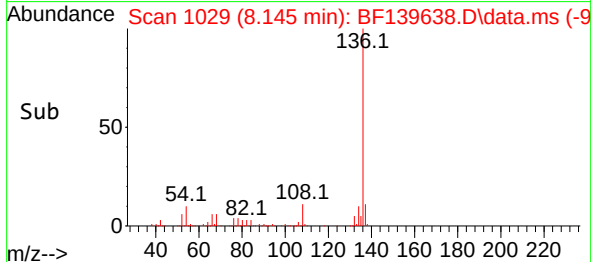
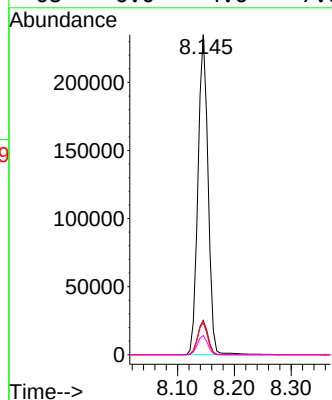
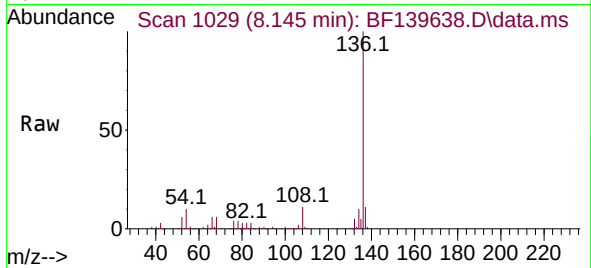




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

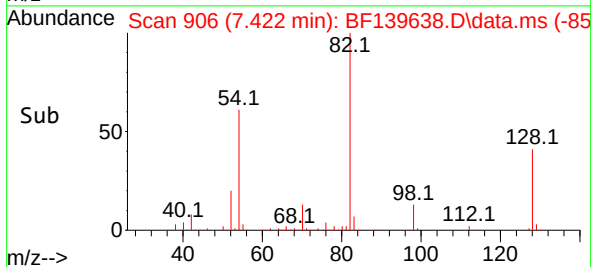
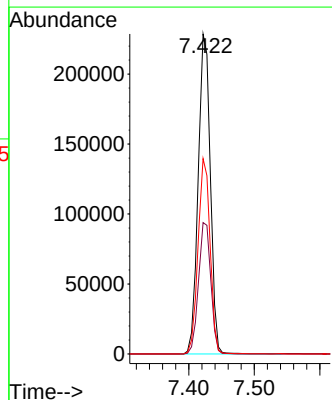
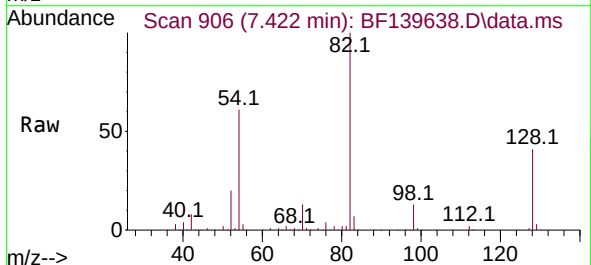
Instrument :
BNA_F
ClientSampleId :
TP2

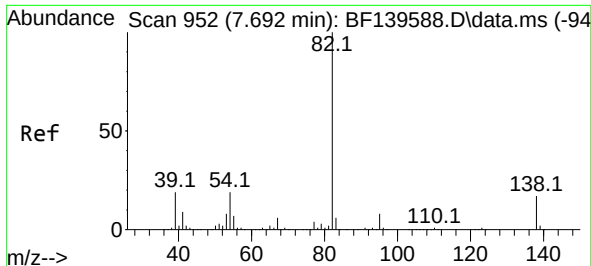
Tgt Ion:	136	Resp:	291446
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.9	8.3	12.5
68	6.0	4.6	7.0



#23
Nitrobenzene-d5
Concen: 51.337 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion:	82	Resp:	295515
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.4	48.6
54	61.0	49.1	73.7

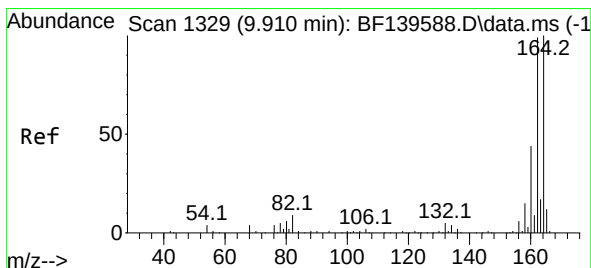
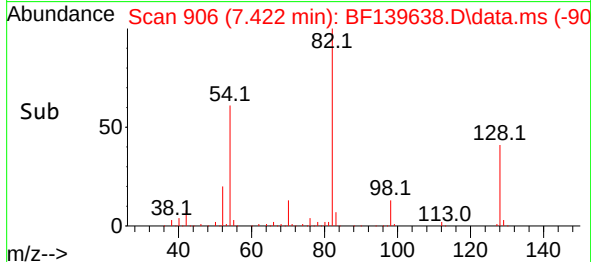
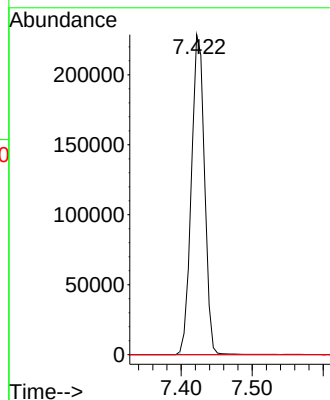
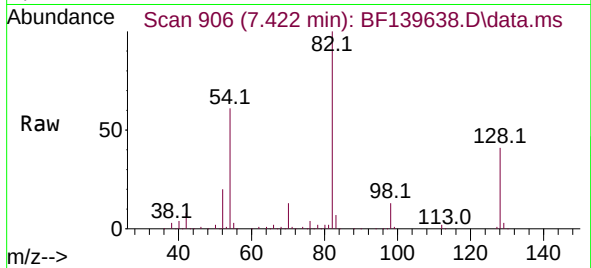




#25
Isophorone
Concen: 28.684 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

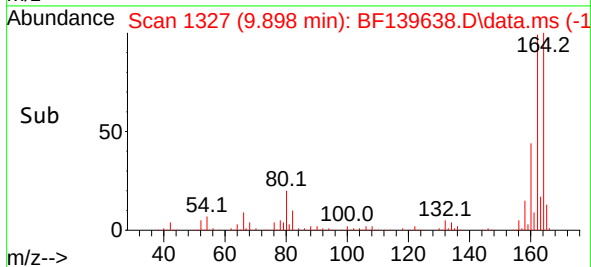
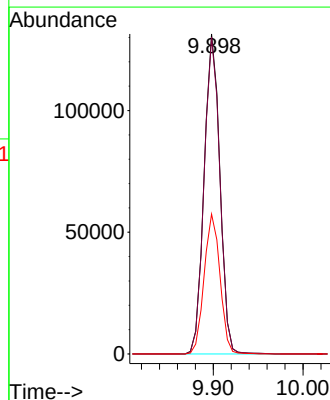
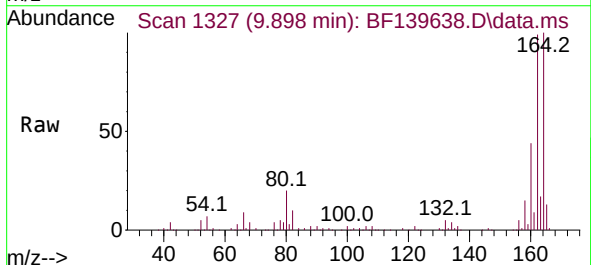
Instrument :
BNA_F
ClientSampleId :
TP2

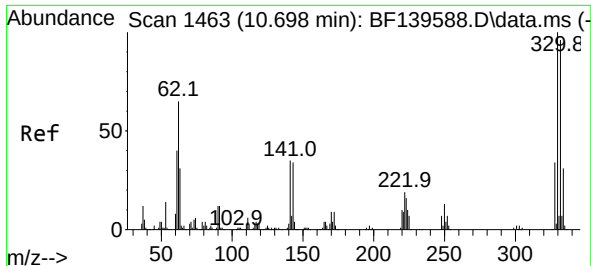
Tgt Ion: 82 Resp: 293266
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion:164 Resp: 160467
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 43.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 69.243 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139638.D

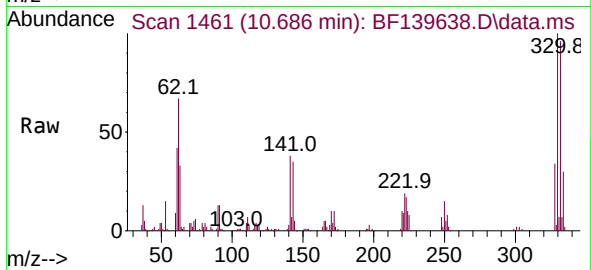
Acq: 03 Oct 2024 18:26

Instrument :

BNA_F

ClientSampleId :

TP2



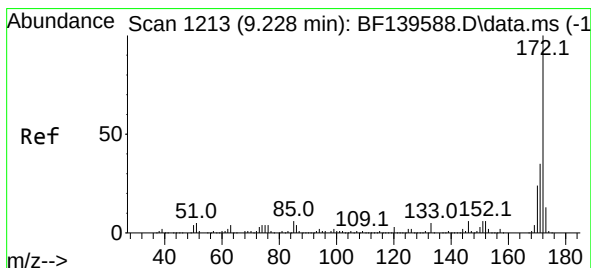
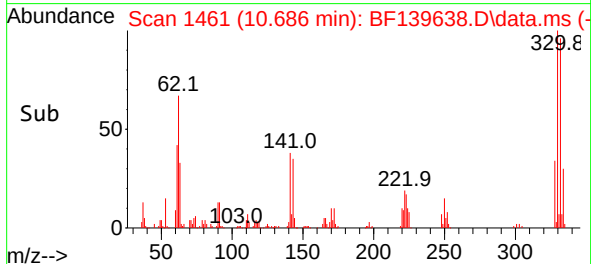
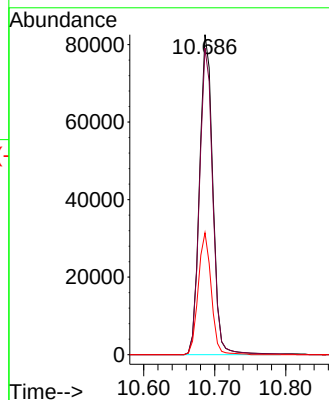
Tgt Ion:330 Resp: 107260

Ion Ratio Lower Upper

330 100

332 96.2 76.5 114.7

141 37.3 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 50.258 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139638.D

Acq: 03 Oct 2024 18:26

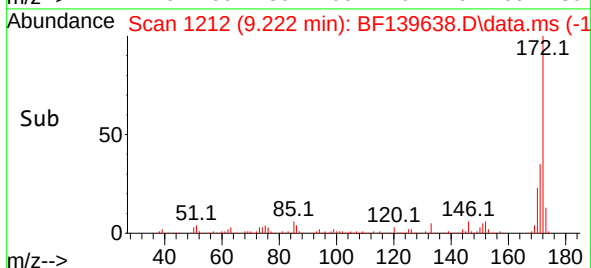
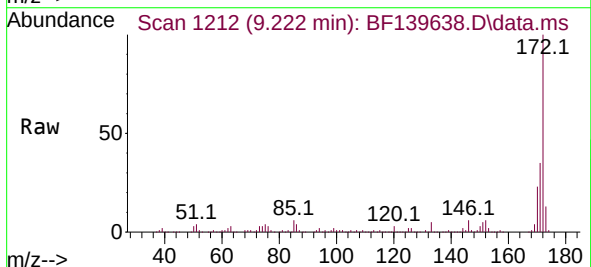
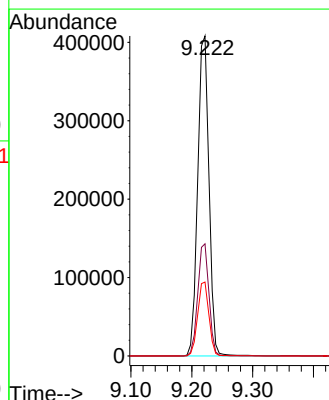
Tgt Ion:172 Resp: 525326

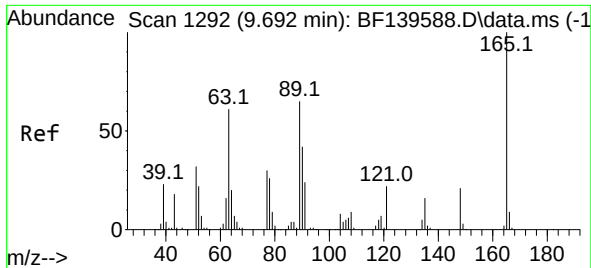
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.1 18.8 28.2

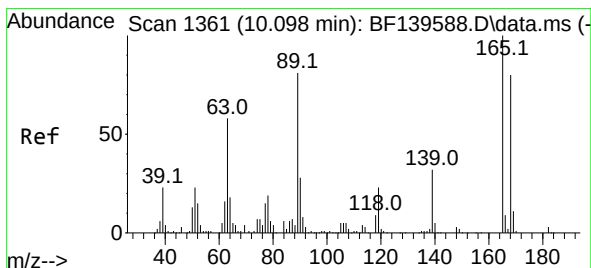
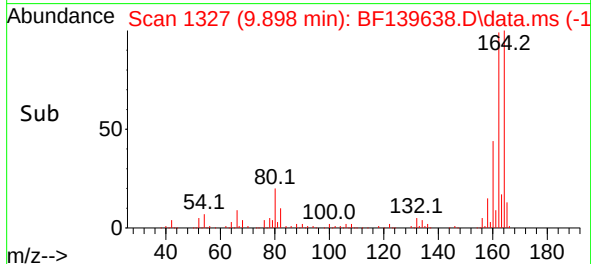
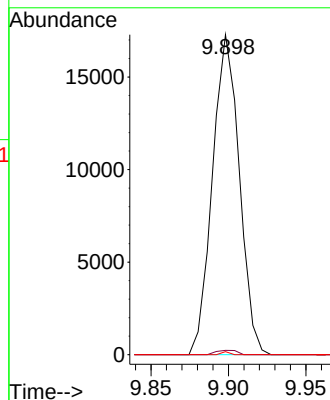
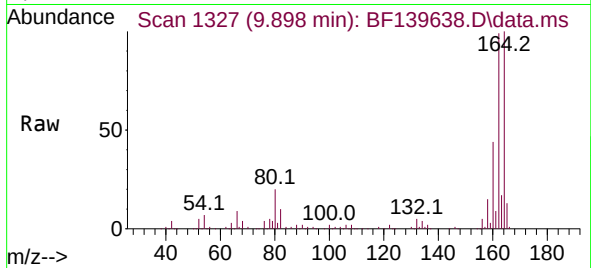




#51
2,6-Dinitrotoluene
Concen: 8.772 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

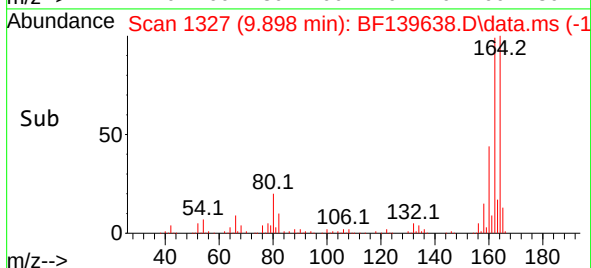
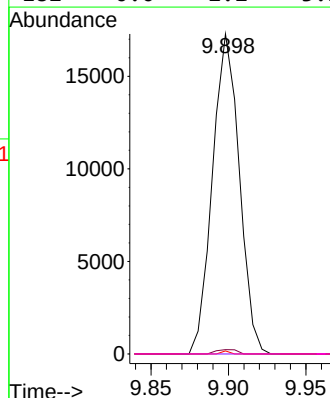
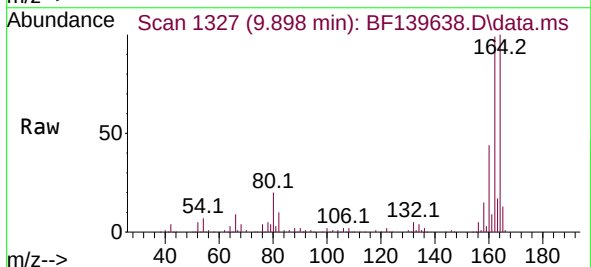
Instrument :
BNA_F
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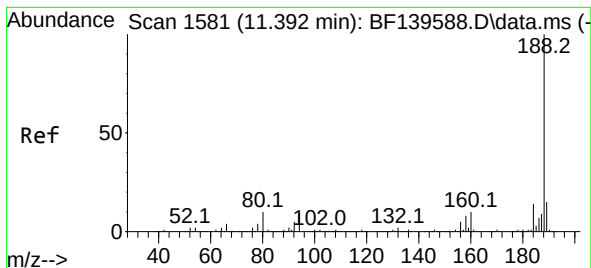
Tgt Ion:165 Resp: 20815
Ion Ratio Lower Upper
165 100
63 1.3 56.7 85.1#
89 0.9 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.711 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion:165 Resp: 20815
Ion Ratio Lower Upper
165 100
63 1.3 46.9 70.3#
89 0.9 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139638.D

Acq: 03 Oct 2024 18:26

Instrument :

BNA_F

ClientSampleId :

TP2

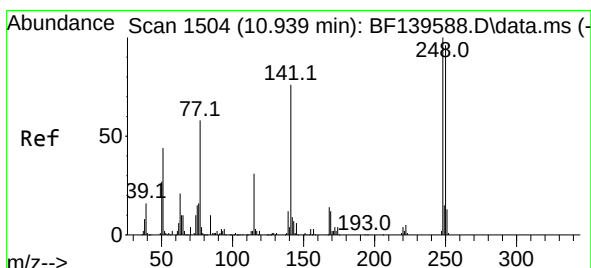
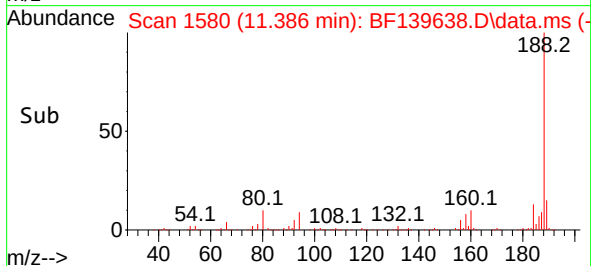
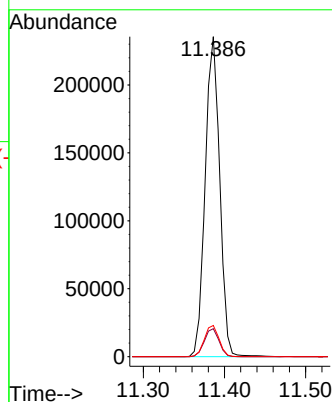
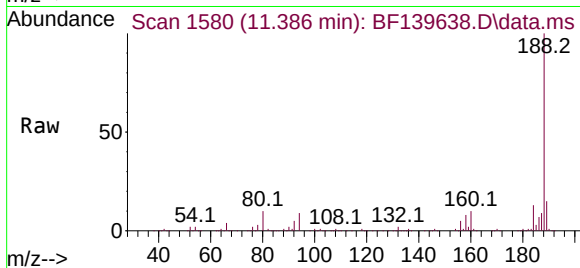
Tgt Ion:188 Resp: 291632

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.8 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 2.494 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.253 min

Lab File: BF139638.D

Acq: 03 Oct 2024 18:26

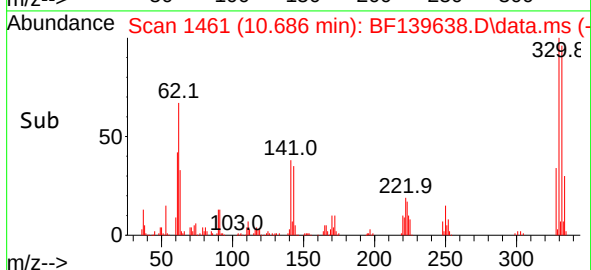
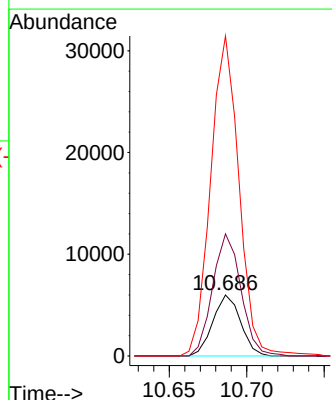
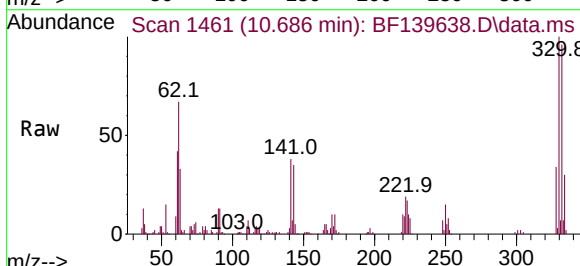
Tgt Ion:248 Resp: 7456

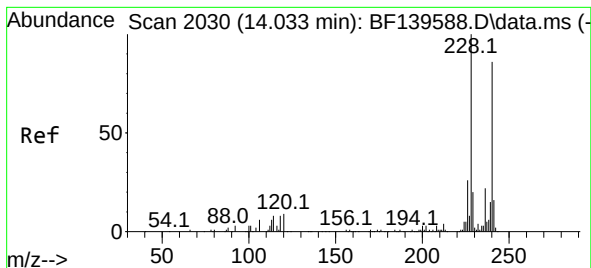
Ion Ratio Lower Upper

248 100

250 200.2 77.1 115.7#

141 524.4 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139638.D

Acq: 03 Oct 2024 18:26

Instrument :

BNA_F

ClientSampleId :

TP2

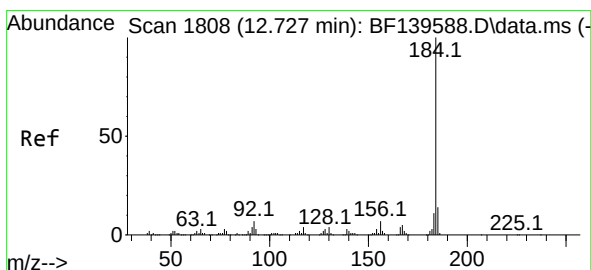
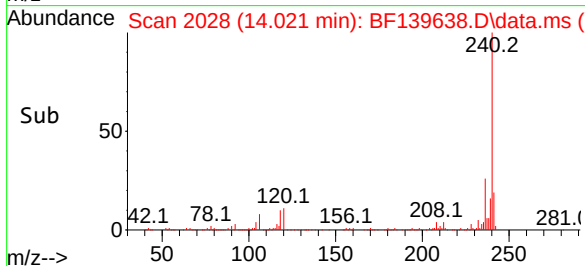
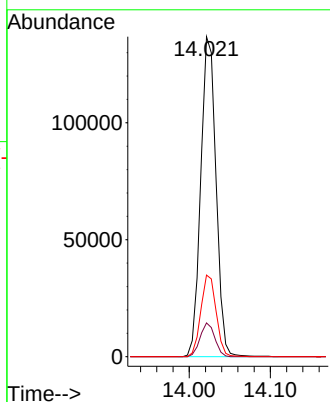
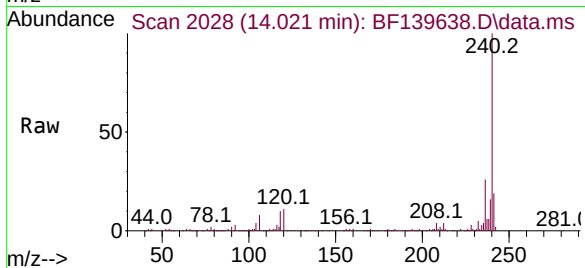
Tgt Ion:240 Resp: 178951

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

236 25.5 20.3 30.5



#77

Benzidine

Concen: 2.127 ng

RT: 12.968 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139638.D

Acq: 03 Oct 2024 18:26

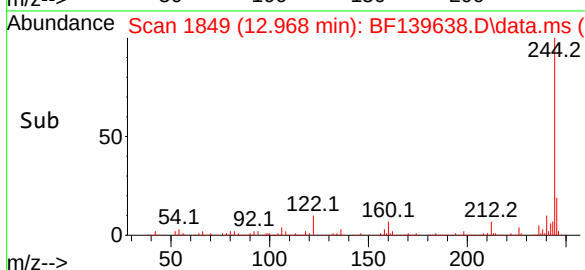
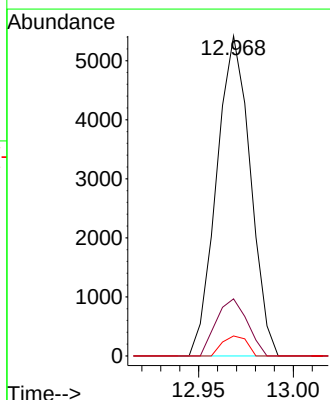
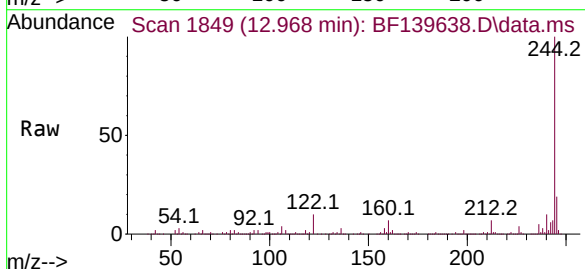
Tgt Ion:184 Resp: 6714

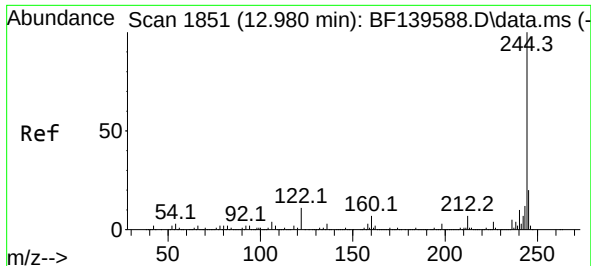
Ion Ratio Lower Upper

184 100

185 17.9 11.4 17.0#

183 6.3 8.8 13.2#

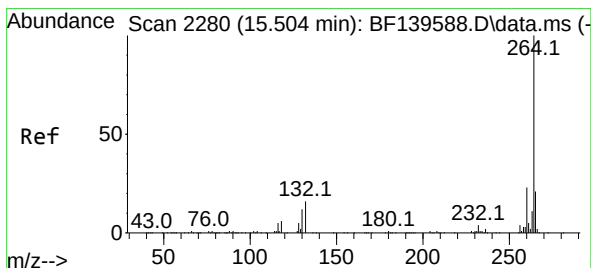
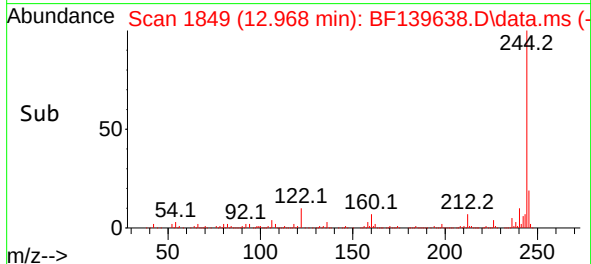
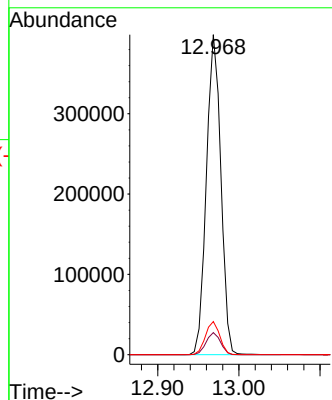
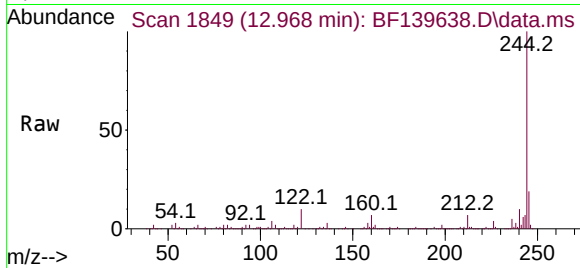




#79
Terphenyl-d14
Concen: 45.074 ng
RT: 12.968 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:244 Resp: 491579
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 10.3 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BF139638.D
Acq: 03 Oct 2024 18:26

Tgt Ion:264 Resp: 184843
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.2 16.9 25.3

