

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138785.D
 Acq On : 05 Aug 2024 14:51
 Operator : RC/JU
 Sample : P3448-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6

Quant Time: Aug 05 15:14:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

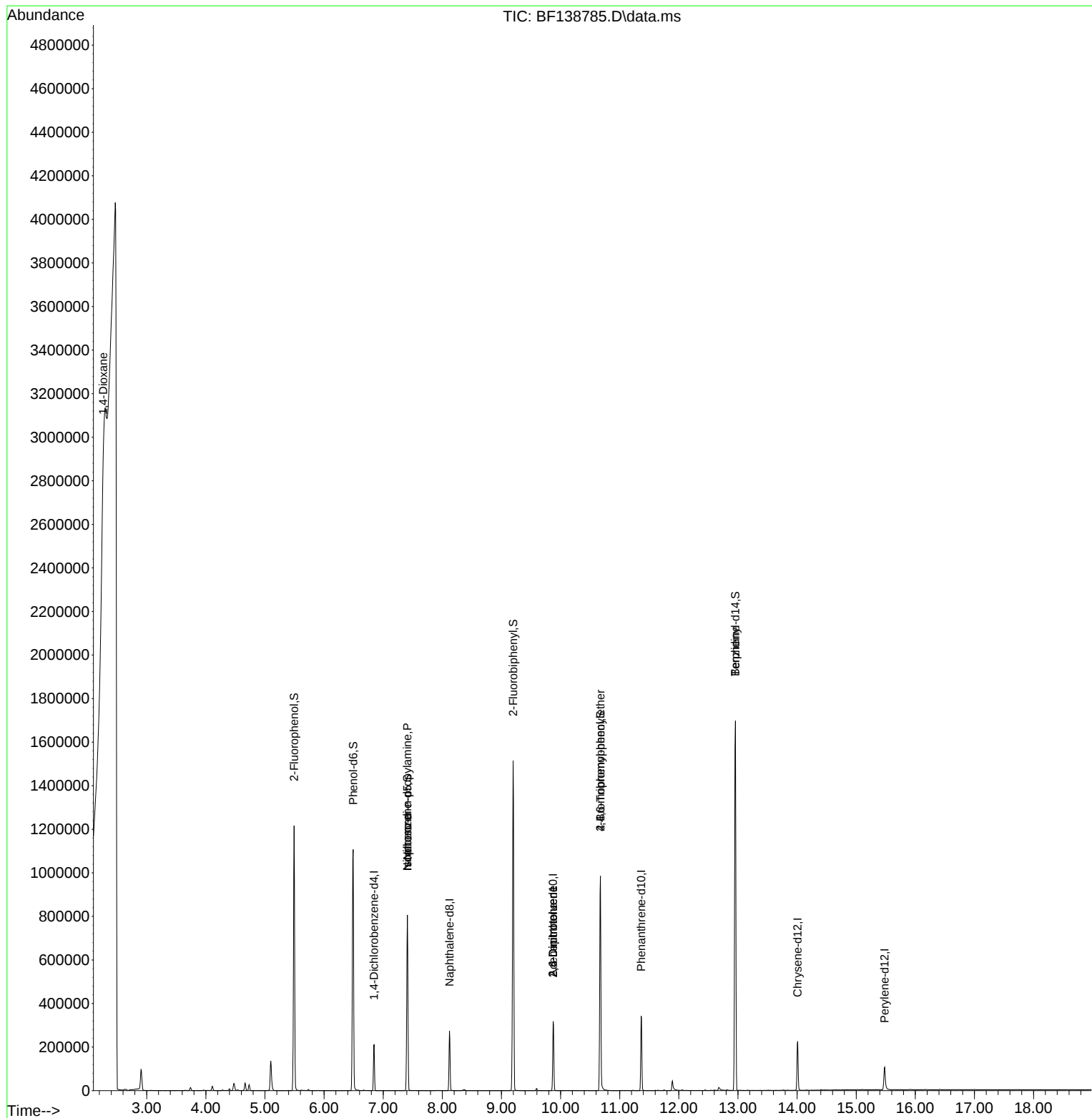
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	41341	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	167137	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	98775	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	184227	20.000	ng	0.00
76) Chrysene-d12	14.010	240	112526	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	72232	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	425324	158.814	ng	0.02
7) Phenol-d6	6.492	99	546849	152.086	ng	0.00
23) Nitrobenzene-d5	7.410	82	368431	107.774	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	160625	198.523	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	697175	106.049	ng	0.00
79) Terphenyl-d14	12.957	244	863084	128.418	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.263	88	12090	10.311	ng	# 16
19) n-Nitroso-di-n-propyla...	7.410	70	51872	23.885	ng	# 74
25) Isophorone	7.410	82	366872	62.850	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	12158	8.530	ng	# 19
57) 2,4-Dinitrotoluene	9.875	165	12158	6.686	ng	# 16
67) 4-Bromophenyl-phenylether	10.675	248	11600	5.816	ng	# 1
77) Benzidine	12.957	184	11393	4.233	ng	# 91

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

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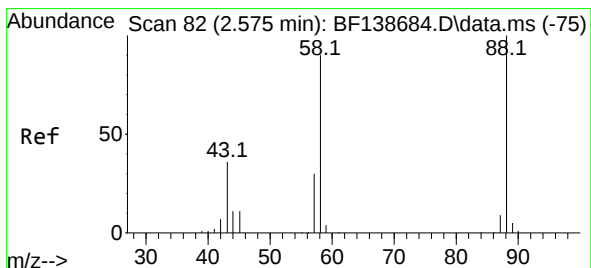
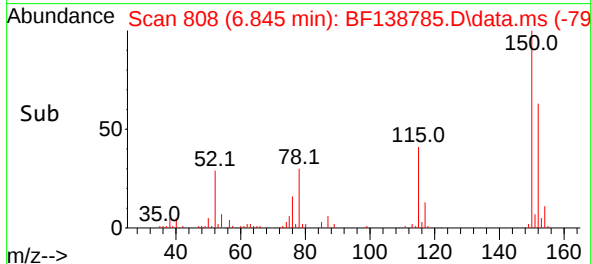
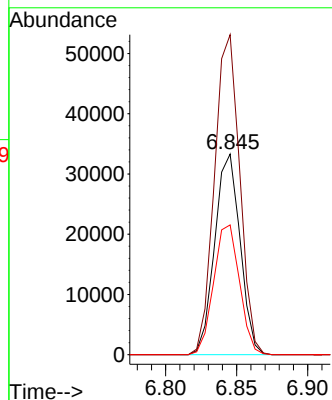
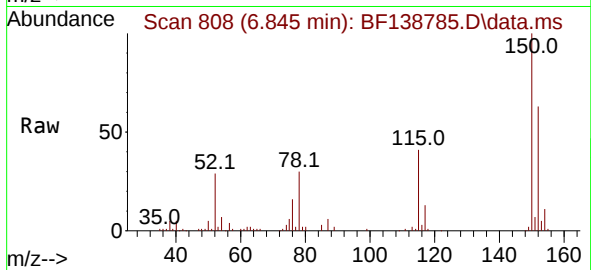




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF138785.D
 Acq: 05 Aug 2024 14:51

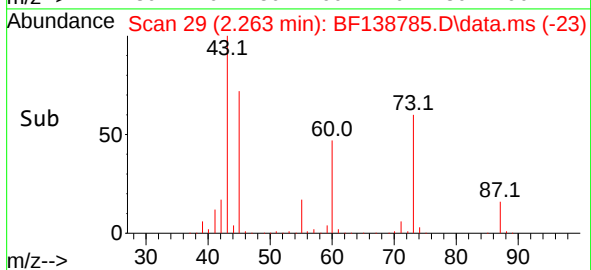
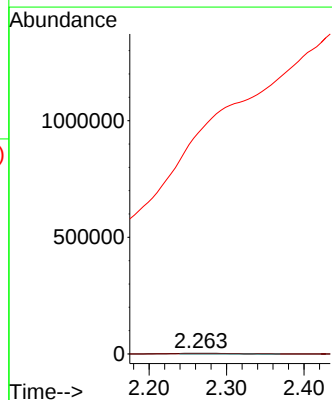
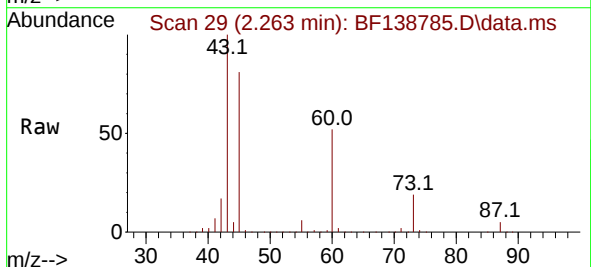
Instrument :
 BNA_F
 ClientSampleId :
 TP6

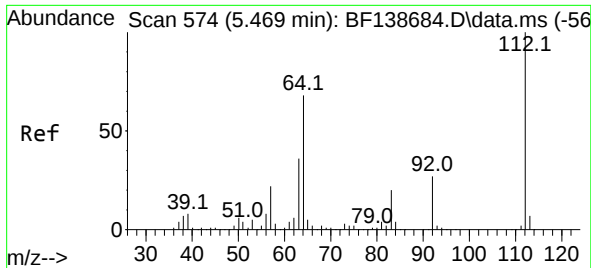
Tgt Ion:152 Resp: 41341
 Ion Ratio Lower Upper
 152 100
 150 159.5 126.0 189.0
 115 64.7 51.7 77.5



#2
 1,4-Dioxane
 Concen: 10.311 ng
 RT: 2.263 min Scan# 29
 Delta R.T. -0.312 min
 Lab File: BF138785.D
 Acq: 05 Aug 2024 14:51

Tgt Ion: 88 Resp: 12090
 Ion Ratio Lower Upper
 88 100
 58 2.3 71.6 107.4#
 43 0.0 28.7 43.1#

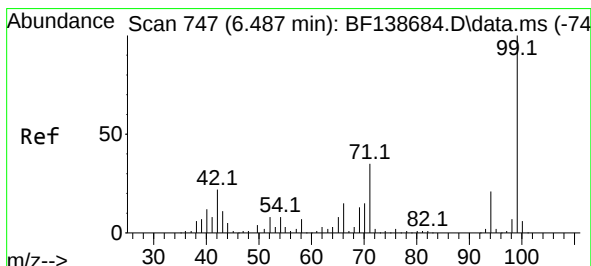
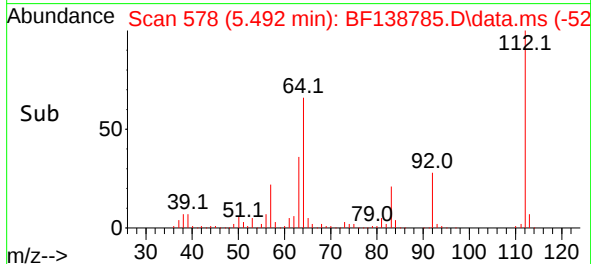
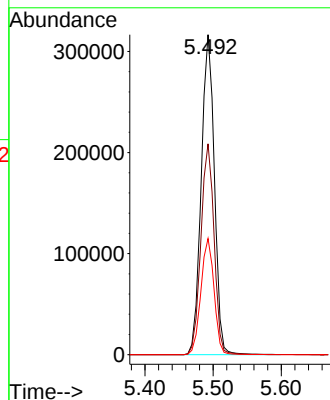
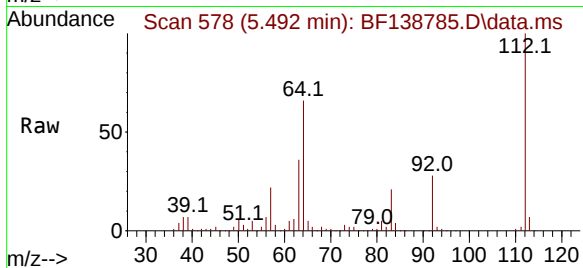




#5
2-Fluorophenol
Concen: 158.814 ng
RT: 5.492 min Scan# 51
Delta R.T. 0.023 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

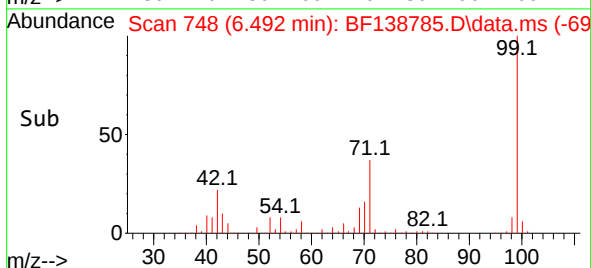
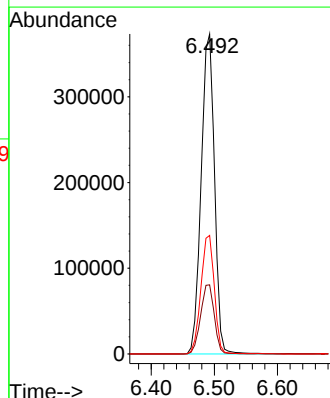
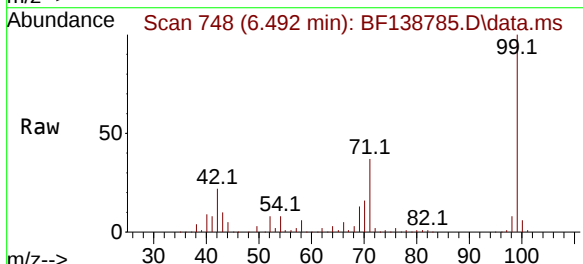
Instrument :
BNA_F
ClientSampleId :
TP6

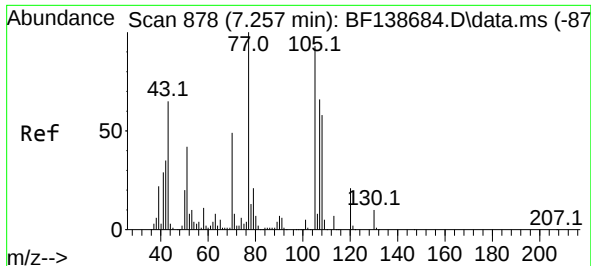
Tgt Ion:112 Resp: 425324
Ion Ratio Lower Upper
112 100
64 65.9 54.2 81.4
63 36.3 28.7 43.1



#7
Phenol-d6
Concen: 152.086 ng
RT: 6.492 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

Tgt Ion: 99 Resp: 546849
Ion Ratio Lower Upper
99 100
42 21.6 17.4 26.0
71 37.0 28.1 42.1





#19

n-Nitroso-di-n-propylamine

Concen: 23.885 ng

RT: 7.410 min Scan# 90

Delta R.T. 0.153 min

Lab File: BF138785.D

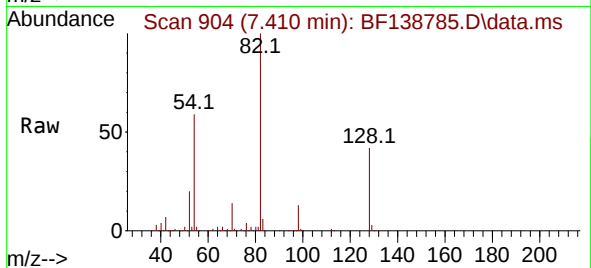
Acq: 05 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

TP6



Tgt Ion: 70 Resp: 51872

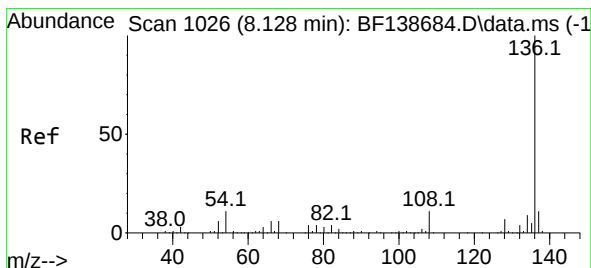
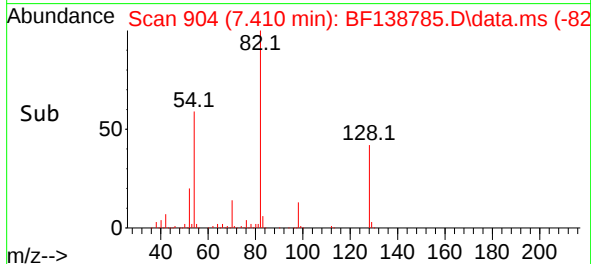
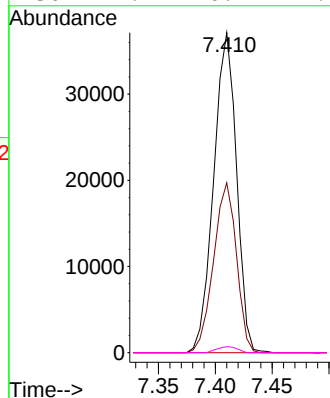
Ion Ratio Lower Upper

70 100

42 53.1 57.4 86.0#

101 0.0 7.5 11.3#

130 1.9 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

Tgt Ion: 136 Resp: 167137

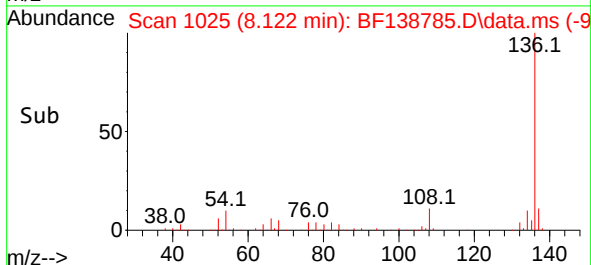
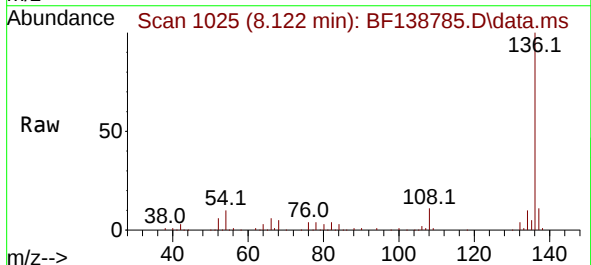
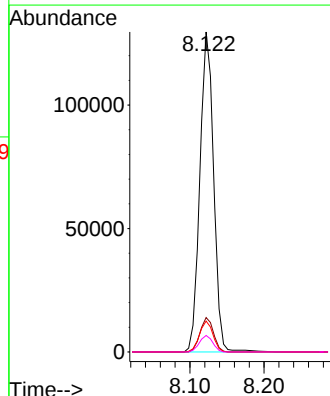
Ion Ratio Lower Upper

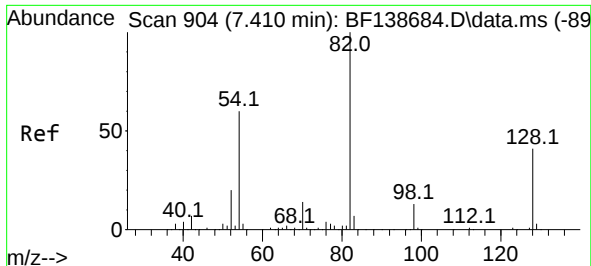
136 100

137 10.8 8.9 13.3

54 9.6 8.6 12.8

68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 107.774 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.000 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

TP6

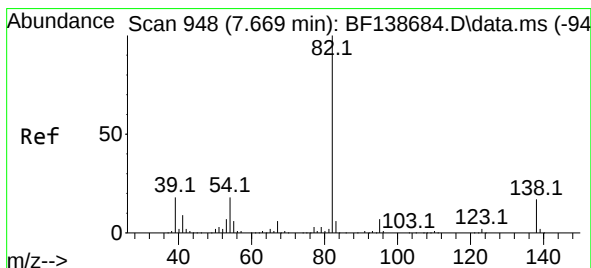
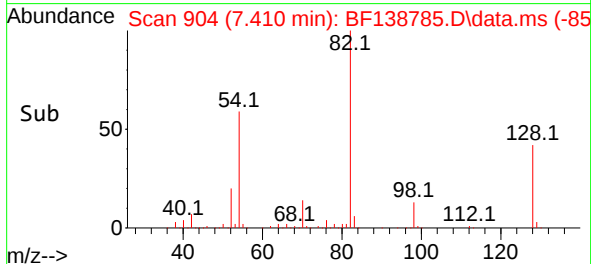
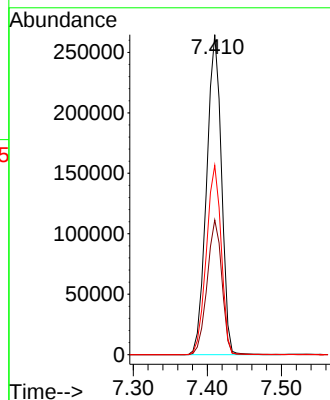
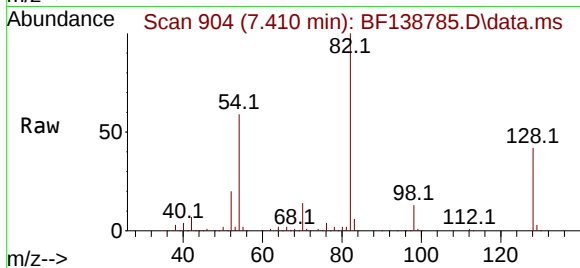
Tgt Ion: 82 Resp: 368431

Ion Ratio Lower Upper

82 100

128 42.1 32.8 49.2

54 59.2 48.3 72.5



#25

Isophorone

Concen: 62.850 ng

RT: 7.410 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

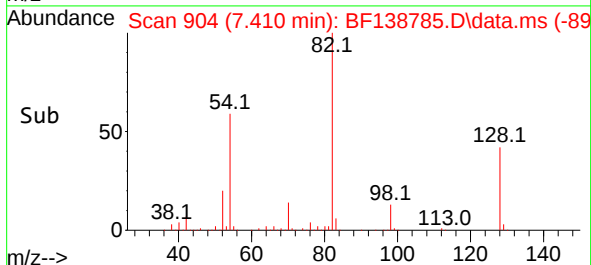
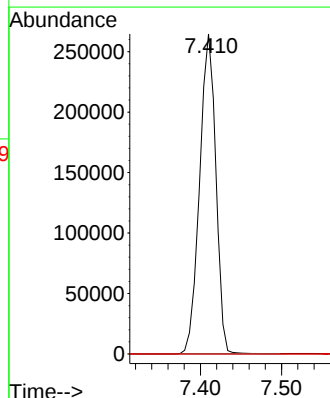
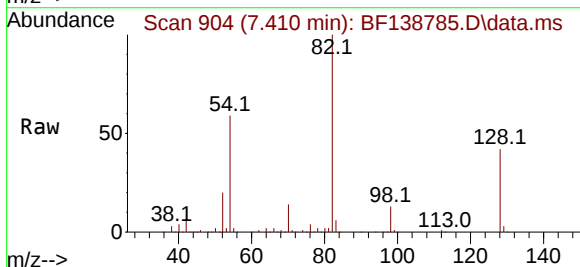
Tgt Ion: 82 Resp: 366872

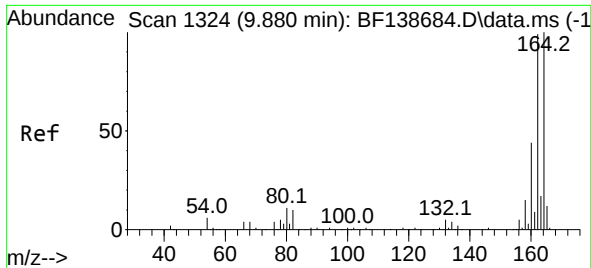
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.7 20.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

TP6

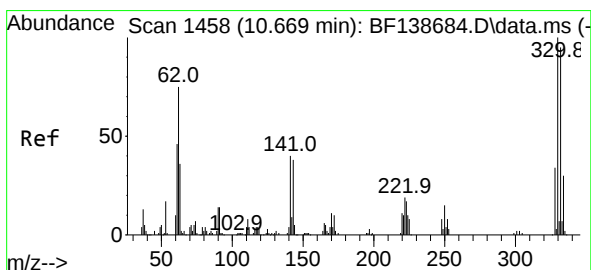
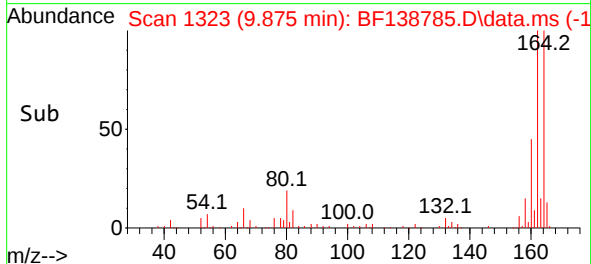
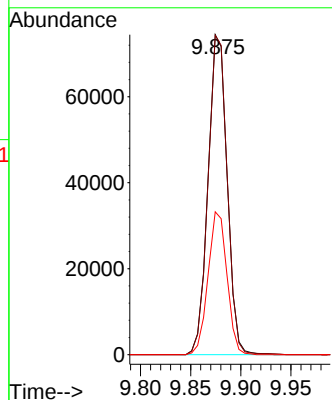
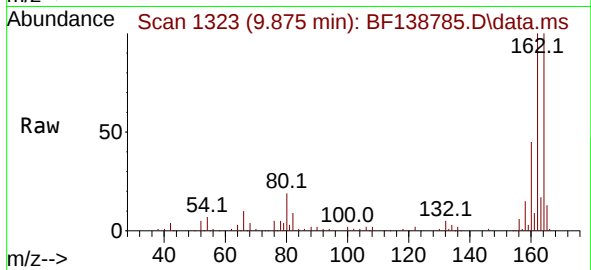
Tgt Ion:164 Resp: 98775

Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.0

160 44.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 198.523 ng

RT: 10.675 min Scan# 1459

Delta R.T. 0.006 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

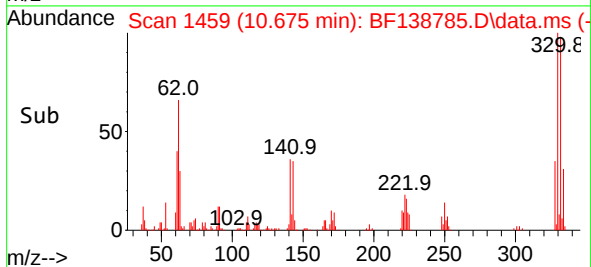
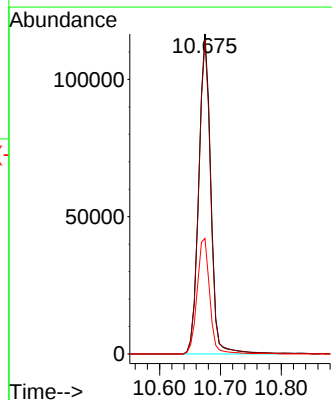
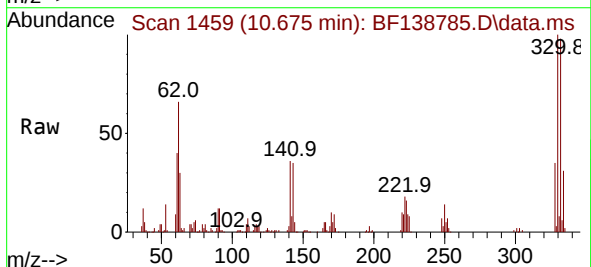
Tgt Ion:330 Resp: 160625

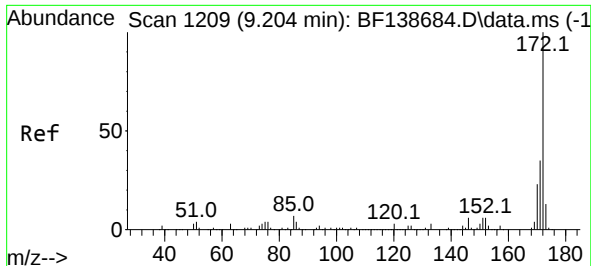
Ion Ratio Lower Upper

330 100

332 98.2 76.4 114.6

141 37.6 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 106.049 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

TP6

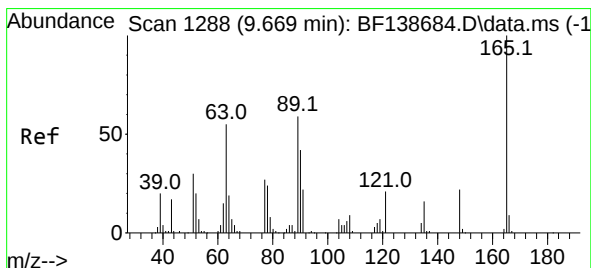
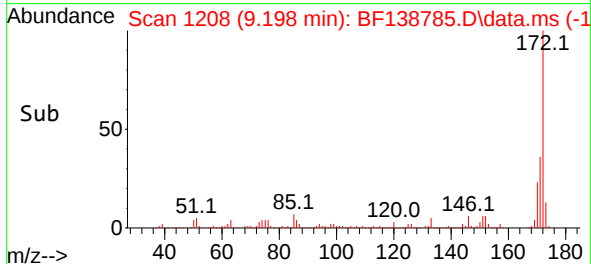
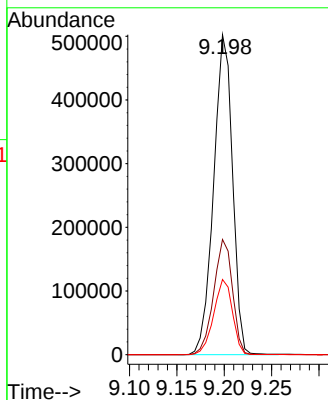
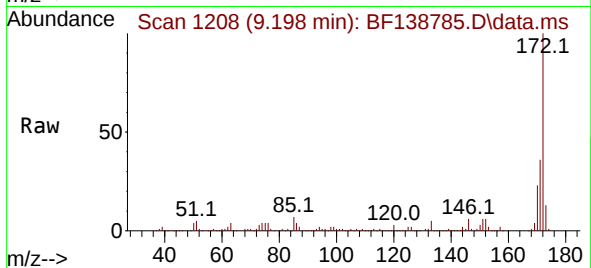
Tgt Ion:172 Resp: 697175

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.530 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

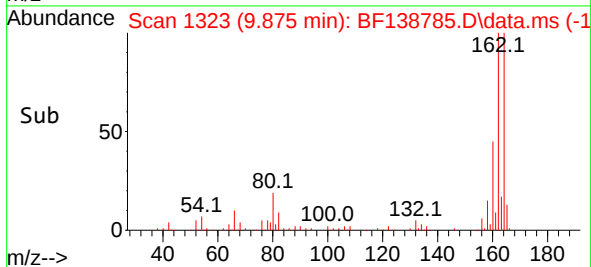
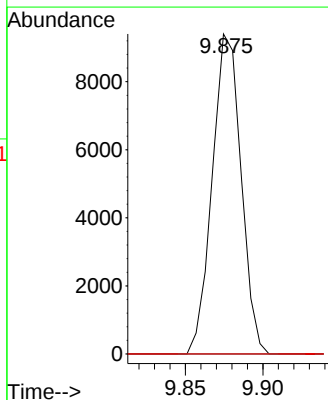
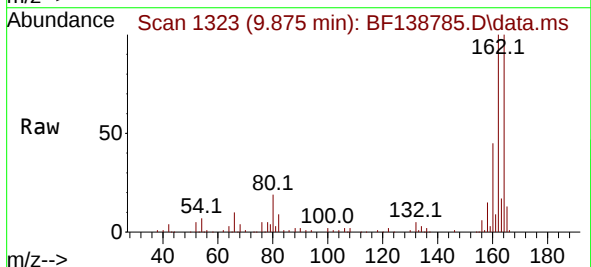
Tgt Ion:165 Resp: 12158

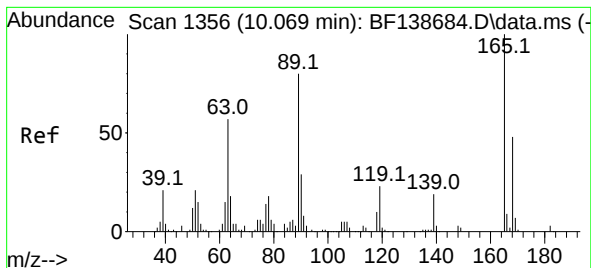
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#

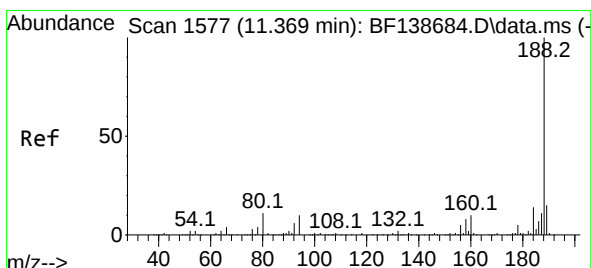
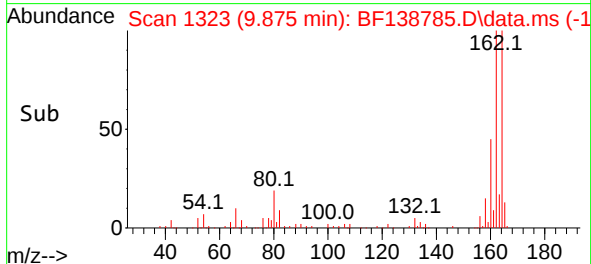
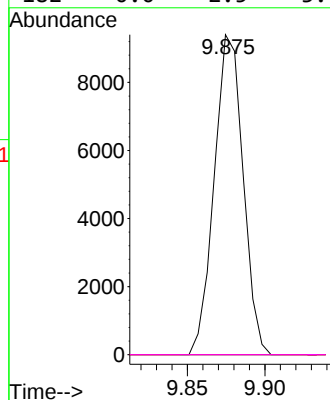
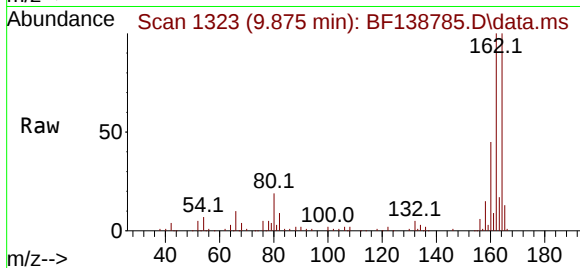




#57
2,4-Dinitrotoluene
Concen: 6.686 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

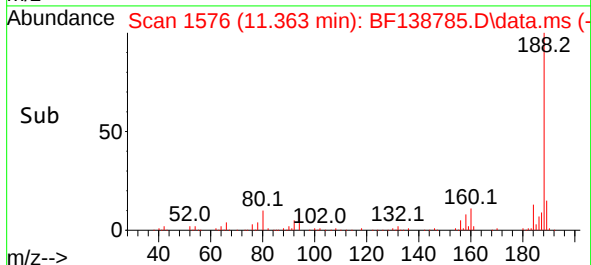
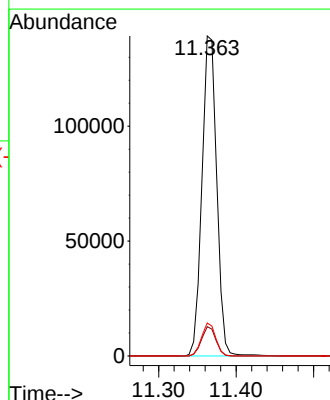
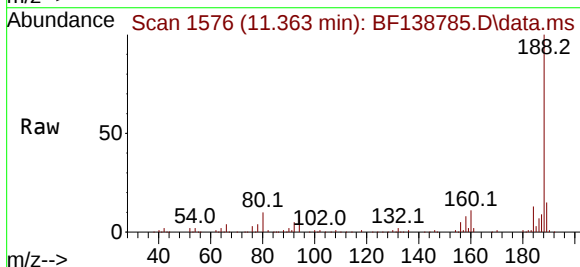
Instrument :
BNA_F
ClientSampleId :
TP6

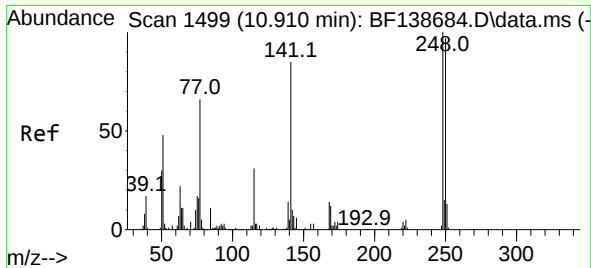
Tgt Ion:165	Resp:	12158
Ion Ratio	Lower	Upper
165	100	
63	0.0	46.3 69.5#
89	0.0	64.2 96.4#
182	0.0	2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

Tgt Ion:188	Resp:	184227
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.6 11.4
80	10.3	8.6 12.8

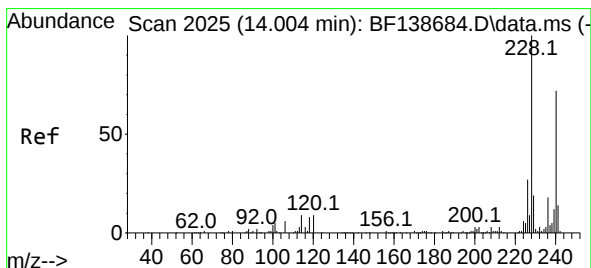
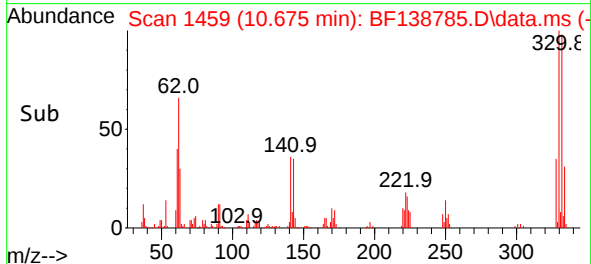
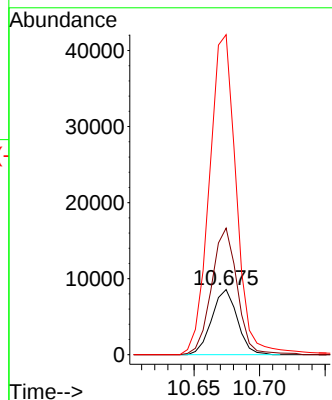
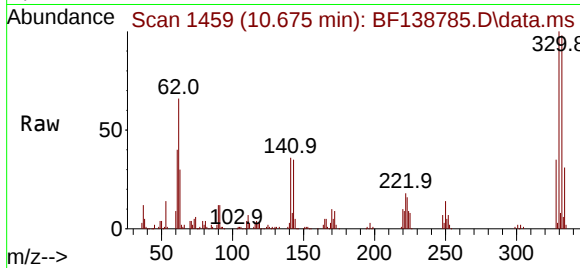




#67
4-Bromophenyl-phenylether
Concen: 5.816 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

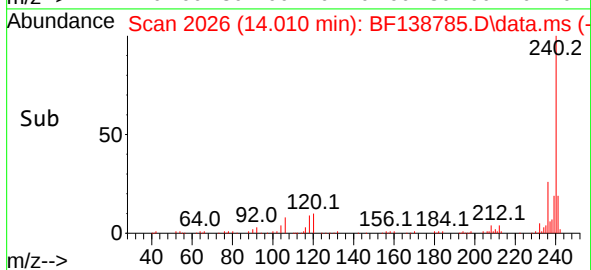
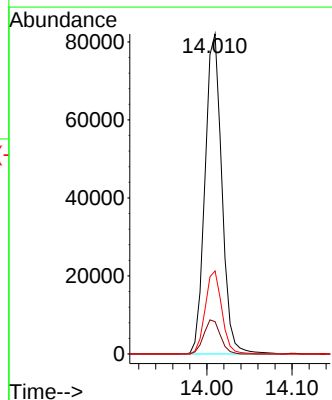
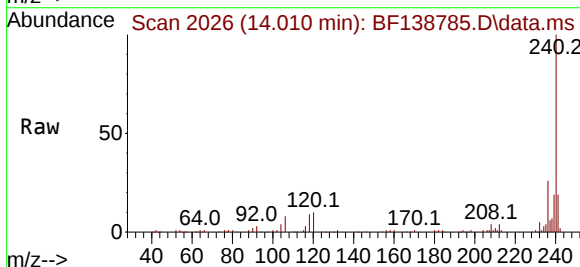
Instrument :
BNA_F
ClientSampleId :
TP6

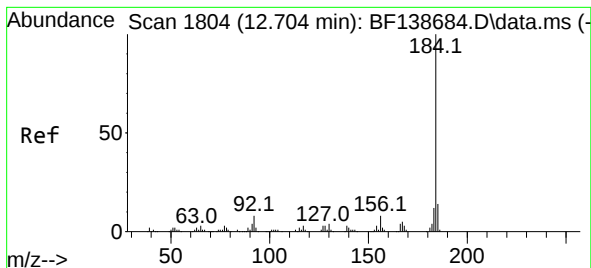
Tgt Ion:248 Resp: 11600
Ion Ratio Lower Upper
248 100
250 194.4 77.7 116.5#
141 491.4 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

Tgt Ion:240 Resp: 112526
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.4#
236 26.0 19.8 29.8





#77

Benzidine

Concen: 4.233 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

Instrument :

BNA_F

ClientSampleId :

TP6

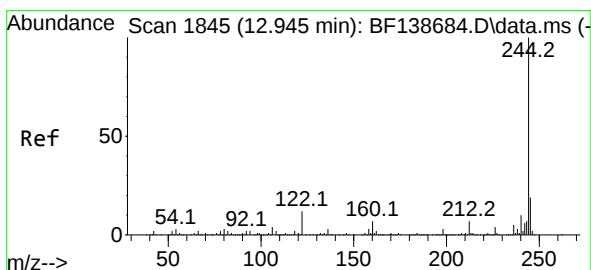
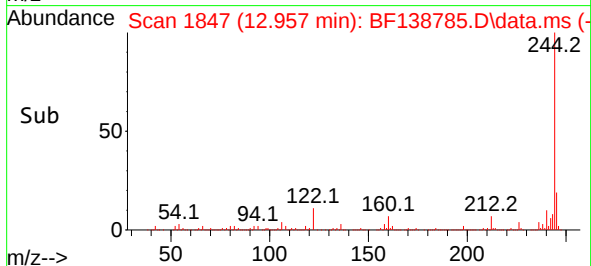
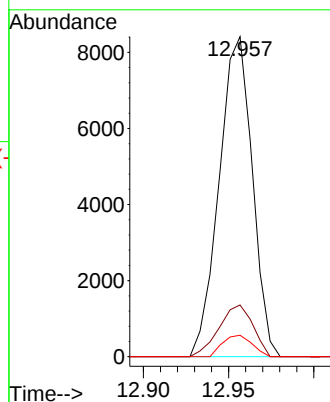
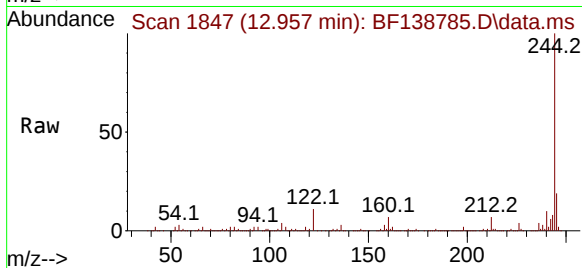
Tgt Ion:184 Resp: 11393

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

183 6.7 9.6 14.4#



#79

Terphenyl-d14

Concen: 128.418 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.012 min

Lab File: BF138785.D

Acq: 05 Aug 2024 14:51

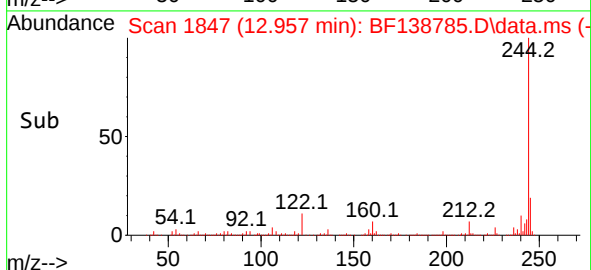
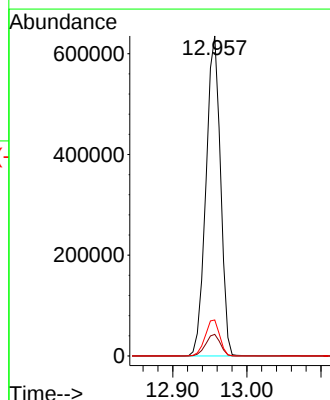
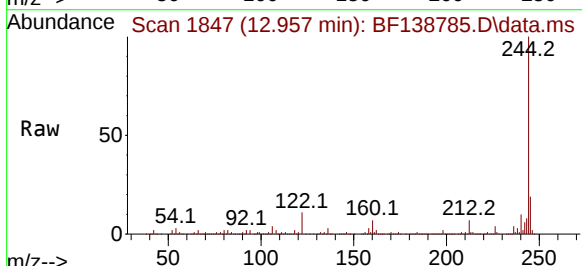
Tgt Ion:244 Resp: 863084

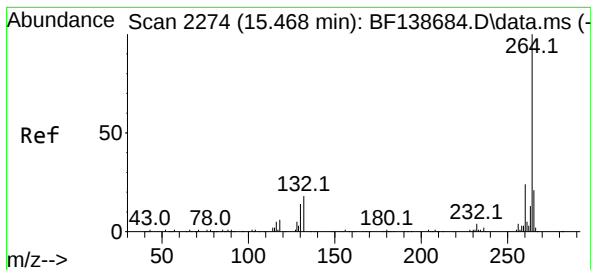
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

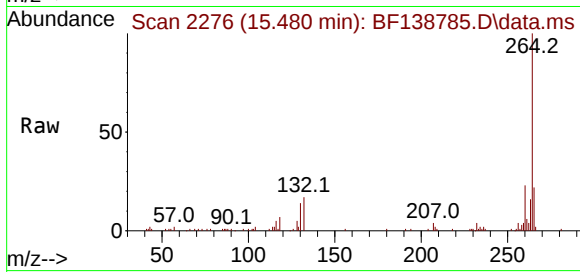
122 11.2 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138785.D
Acq: 05 Aug 2024 14:51

Instrument :
BNA_F
ClientSampleId :
TP6



Tgt Ion:264 Resp: 72232
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 21.5 17.0 25.6

