

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138446.D
 Acq On : 03 Jul 2024 15:13
 Operator : CG\JU
 Sample : P3142-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 327

Quant Time: Jul 03 16:04:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

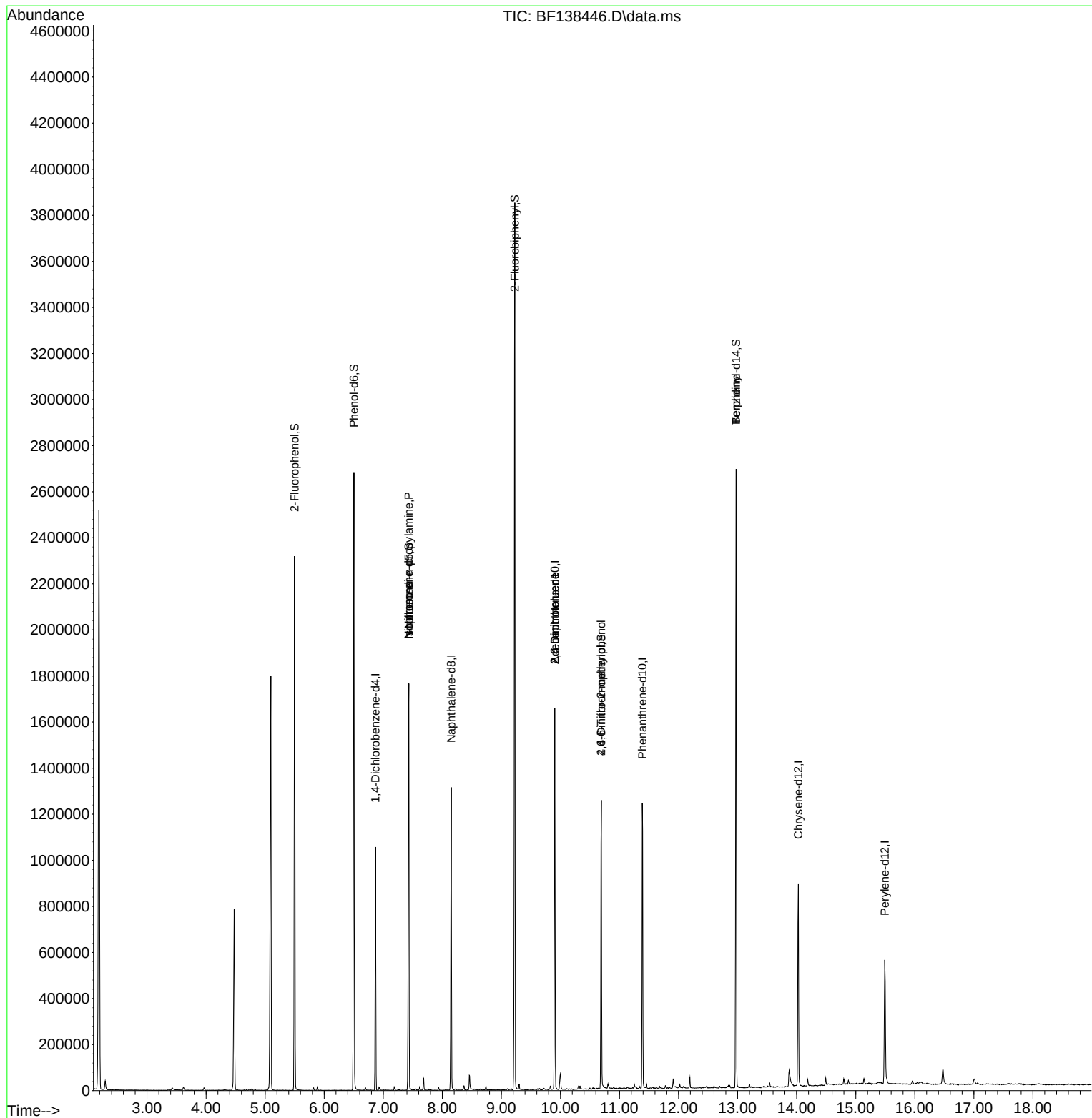
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	127418	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	506817	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	307124	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	445148	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	278105	20.000	ng	0.00
86) Perylene-d12	15.492	264	246653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	514284	66.918	ng	0.00
7) Phenol-d6	6.504	99	779224	75.267	ng	-0.01
23) Nitrobenzene-d5	7.434	82	553287	56.711	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	132230	52.697	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1129403	58.523	ng	0.00
79) Terphenyl-d14	12.974	244	851827	41.976	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	73679	11.289	ng	# 75
25) Isophorone	7.434	82	551396	30.651	ng	# 67
51) 2,6-Dinitrotoluene	9.904	165	39582	8.954	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	39582	7.272	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	273	5.900	ng	# 1
77) Benzidine	12.974	184	11031	4.960	ng	# 92

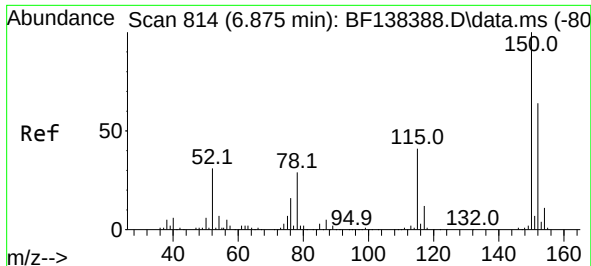
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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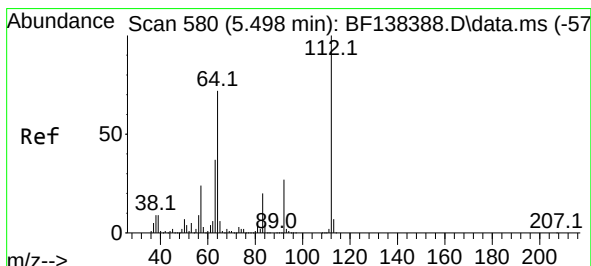
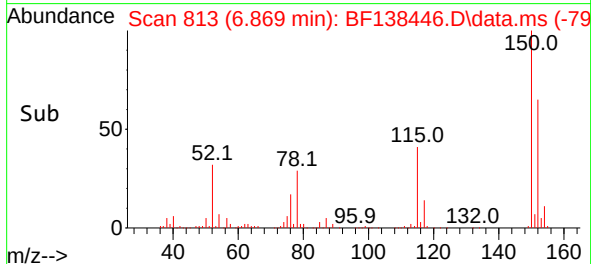
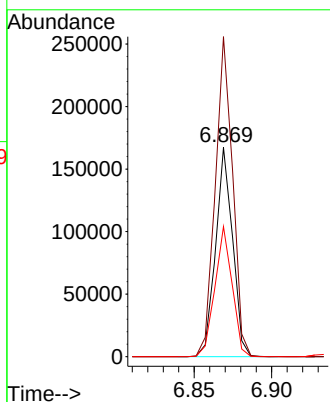
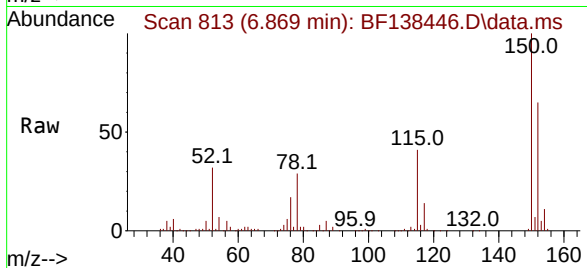




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

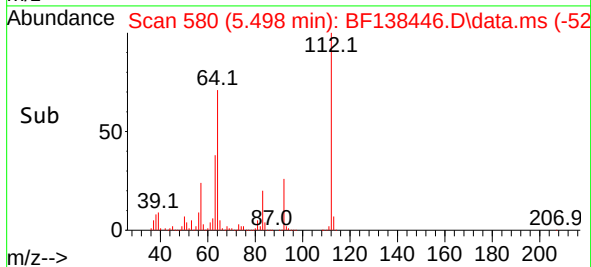
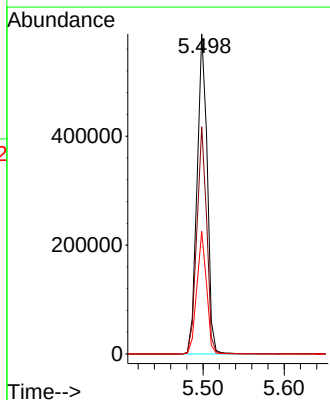
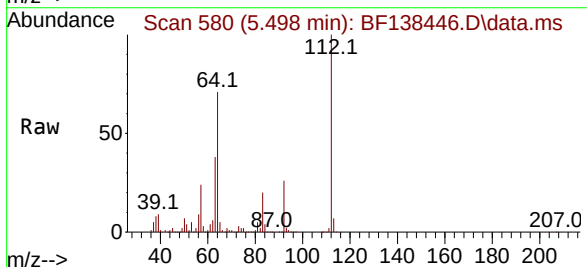
Instrument :
BNA_F
ClientSampleId :
327

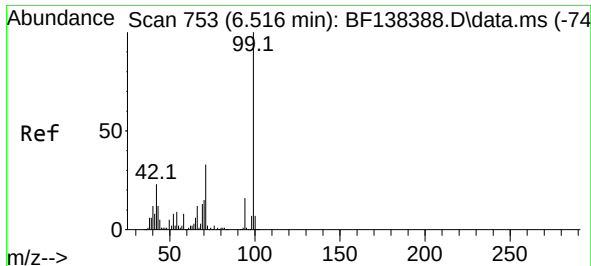
Tgt Ion:152 Resp: 127418
Ion Ratio Lower Upper
152 100
150 152.9 124.9 187.3
115 62.2 50.8 76.2



#5
2-Fluorophenol
Concen: 66.918 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion:112 Resp: 514284
Ion Ratio Lower Upper
112 100
64 71.0 57.2 85.8
63 38.3 29.4 44.0

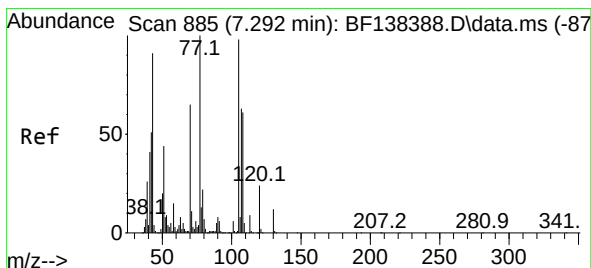
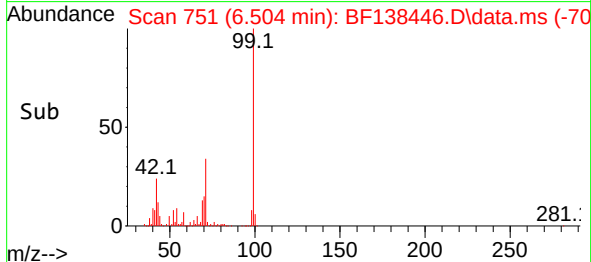
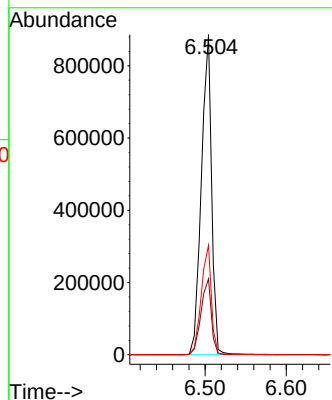
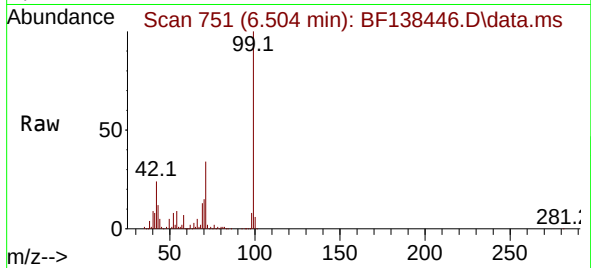




#7
Phenol-d6
Concen: 75.267 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

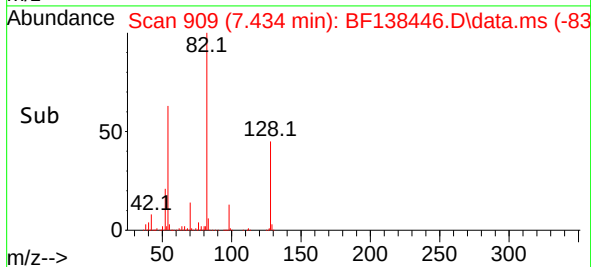
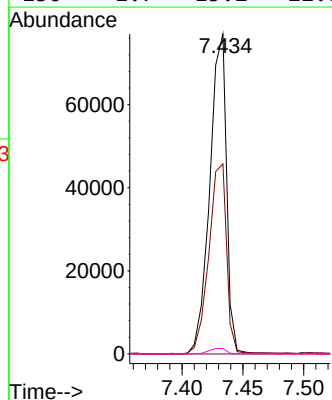
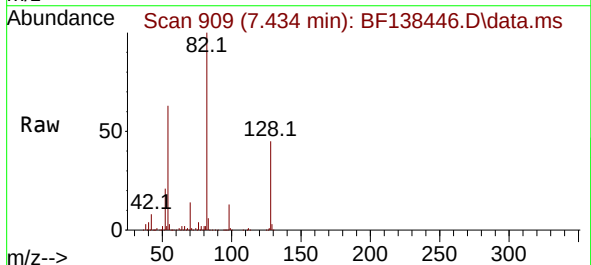
Instrument :
BNA_F
ClientSampleId :
327

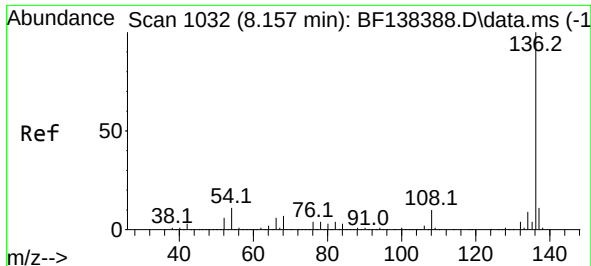
Tgt Ion: 99 Resp: 779224
Ion Ratio Lower Upper
99 100
42 23.7 18.5 27.7
71 34.2 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.289 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion: 70 Resp: 73679
Ion Ratio Lower Upper
70 100
42 59.4 62.5 93.7#
101 0.0 7.0 10.4#
130 1.7 15.2 22.8#

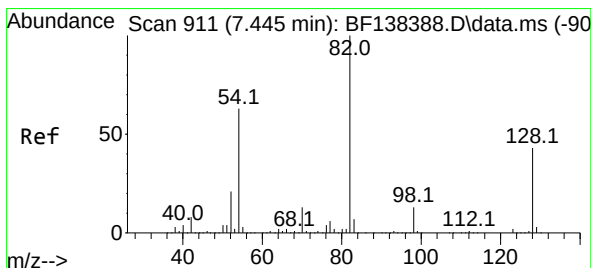
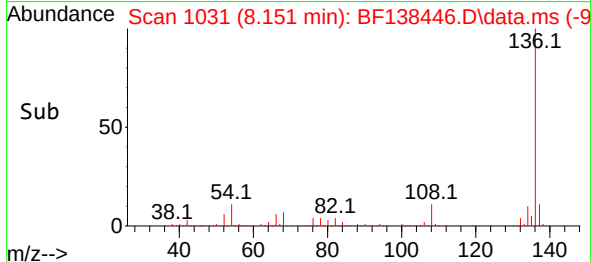
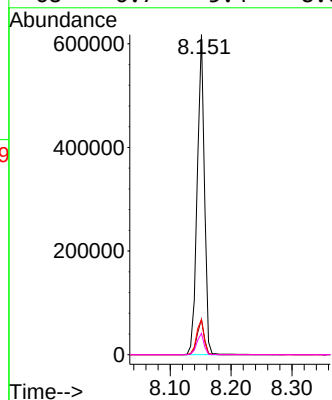
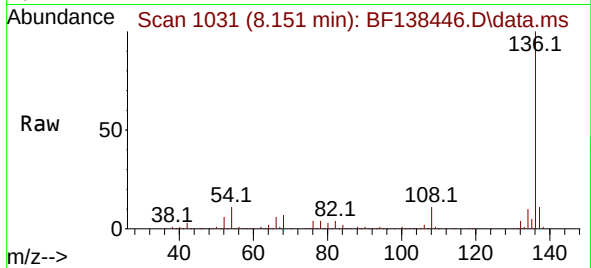




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

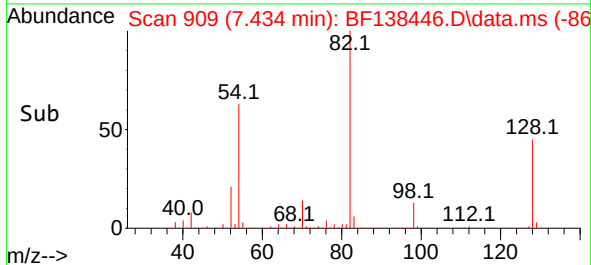
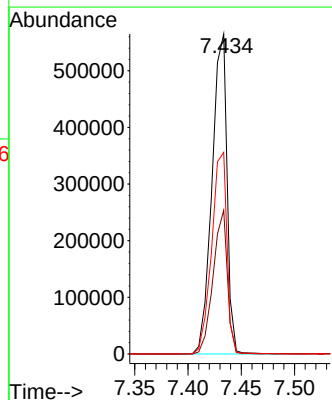
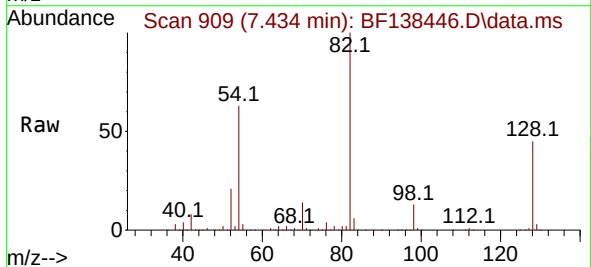
Instrument :
BNA_F
ClientSampleId :
327

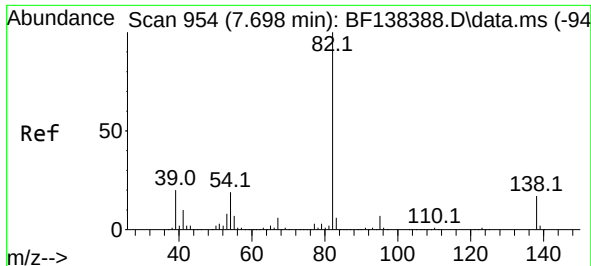
Tgt	Ion:136	Resp:	506817
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.9	9.0	13.4
68	6.7	5.4	8.0



#23
Nitrobenzene-d5
Concen: 56.711 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion: 82	Resp: 553287
Ion Ratio	Lower Upper
82 100	
128 44.9	34.6 52.0
54 63.0	50.5 75.7

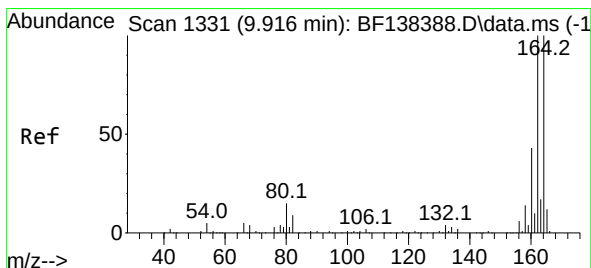
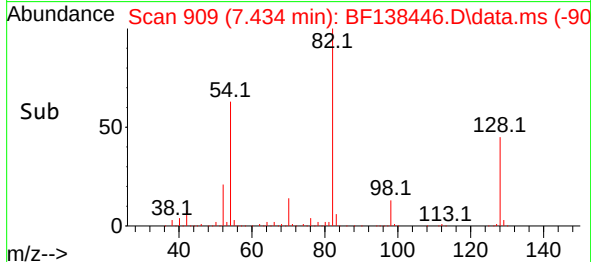
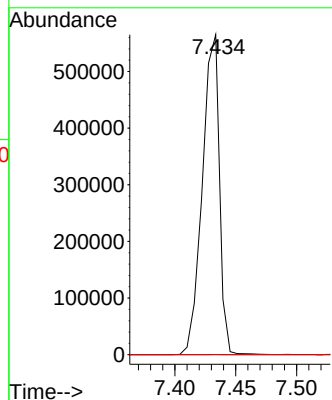
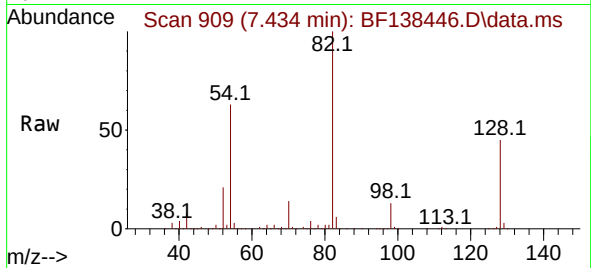




#25
Isophorone
Concen: 30.651 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

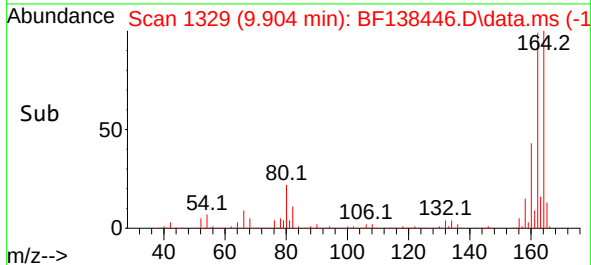
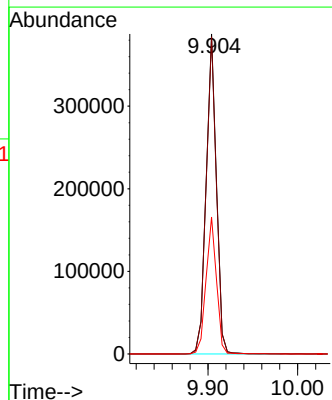
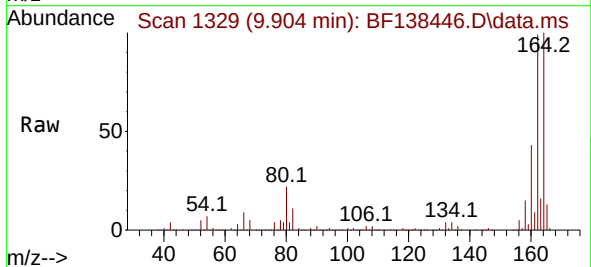
Instrument :
BNA_F
ClientSampleId :
327

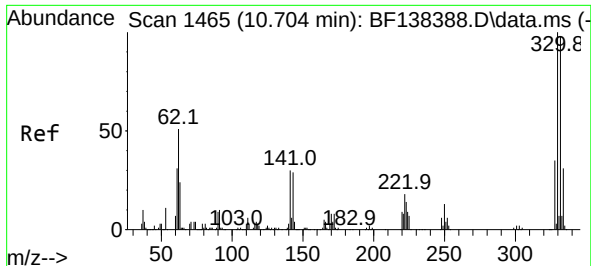
Tgt Ion: 82 Resp: 551396
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion: 164 Resp: 307124
Ion Ratio Lower Upper
164 100
162 99.1 80.1 120.1
160 42.8 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 52.697 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

Instrument :

BNA_F

ClientSampleId :

327

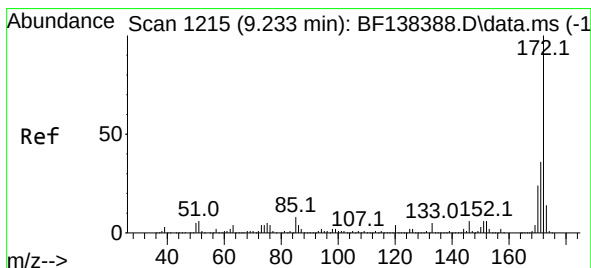
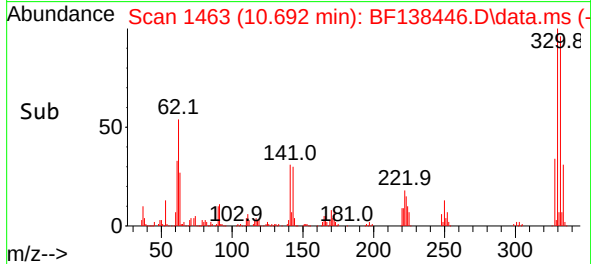
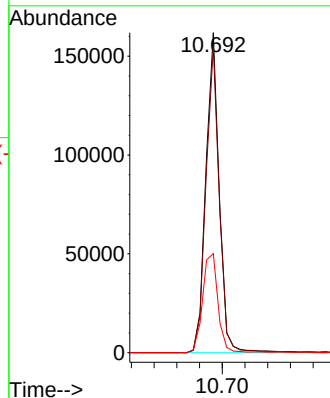
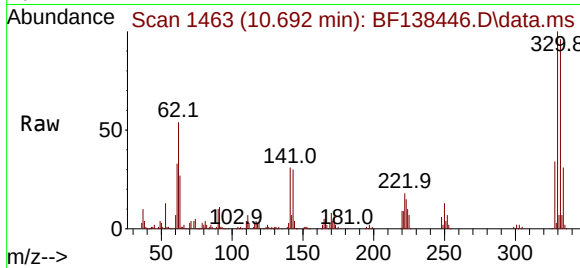
Tgt Ion:330 Resp: 132230

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 36.1 28.1 42.1



#45

2-Fluorobiphenyl

Concen: 58.523 ng

RT: 9.228 min Scan# 1214

Delta R.T. -0.005 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

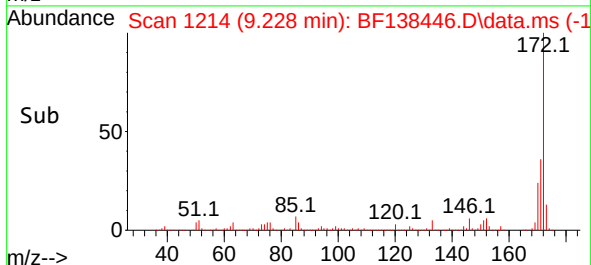
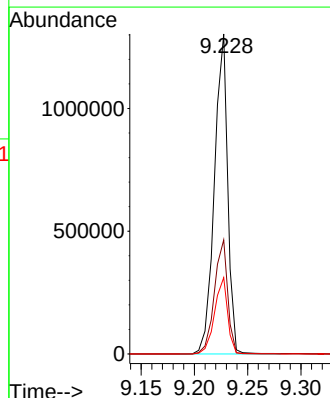
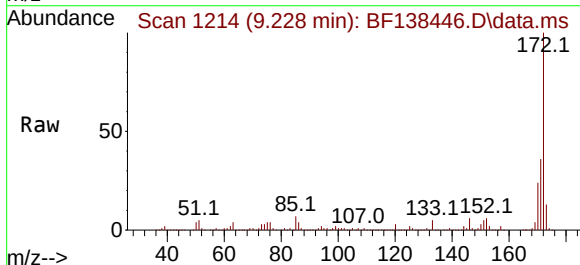
Tgt Ion:172 Resp: 1129403

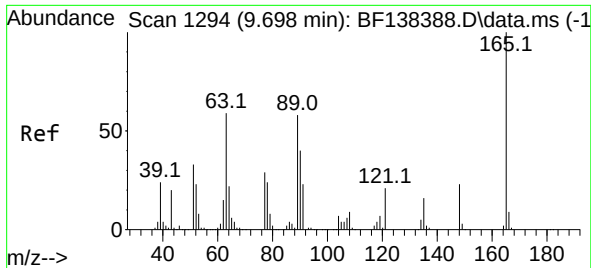
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

170 23.8 19.0 28.6

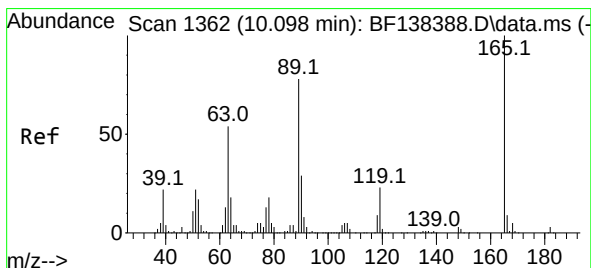
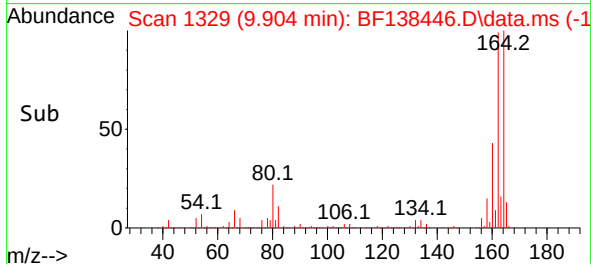
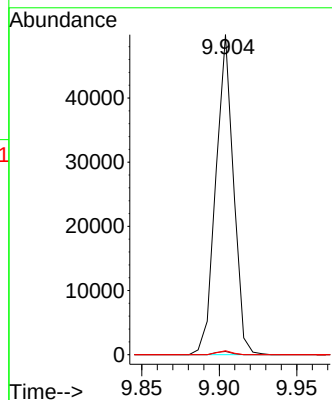
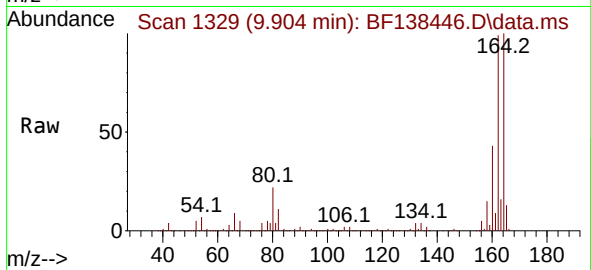




#51
2,6-Dinitrotoluene
Concen: 8.954 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

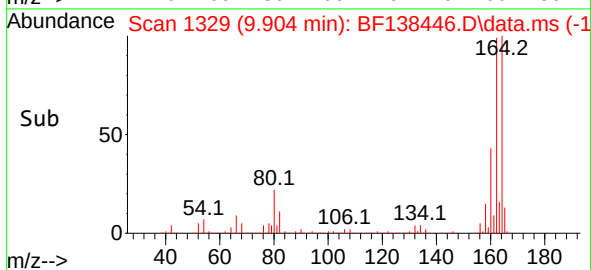
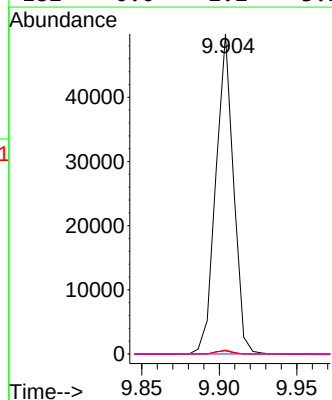
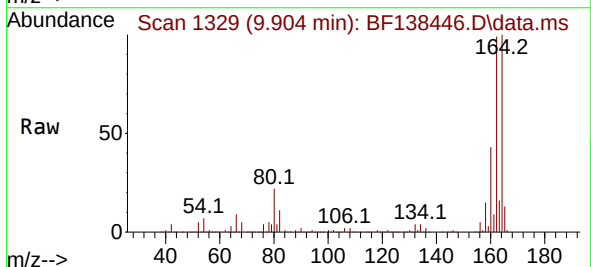
Instrument :
BNA_F
ClientSampleId :
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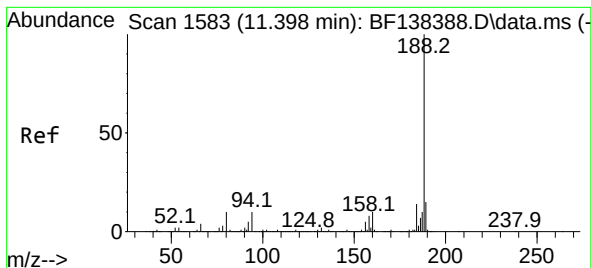
Tgt Ion:165 Resp: 39582
Ion Ratio Lower Upper
165 100
63 1.0 53.8 80.8#
89 1.2 46.4 69.6#



#57
2,4-Dinitrotoluene
Concen: 7.272 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion:165 Resp: 39582
Ion Ratio Lower Upper
165 100
63 1.0 43.4 65.2#
89 1.2 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

Instrument :

BNA_F

ClientSampleId :

327

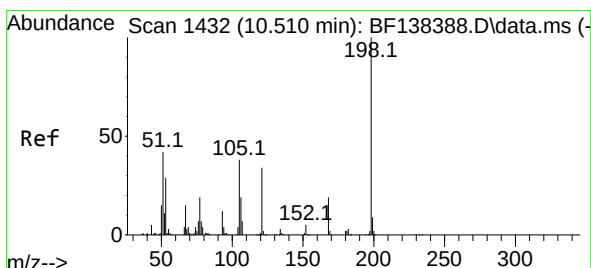
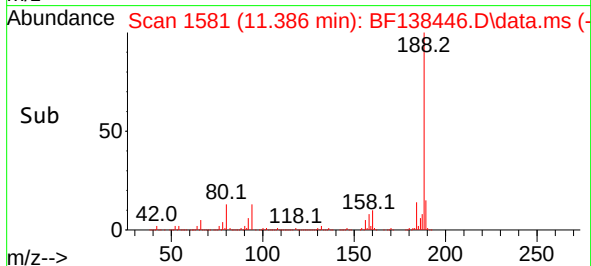
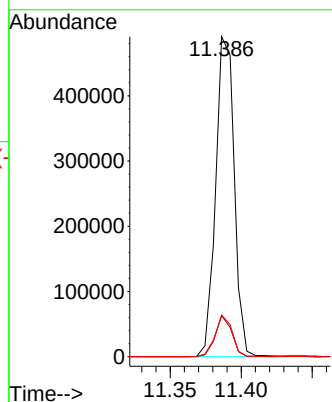
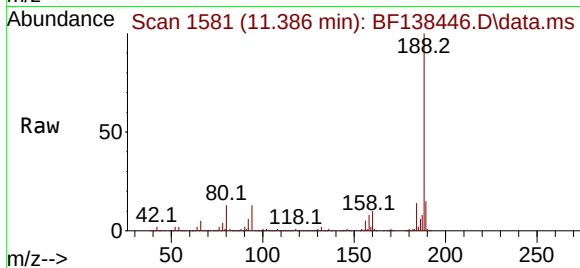
Tgt Ion:188 Resp: 445148

Ion Ratio Lower Upper

188 100

94 12.8 8.0 12.0#

80 13.1 8.2 12.4#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.900 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.182 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

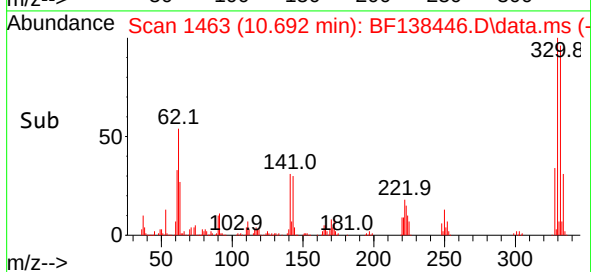
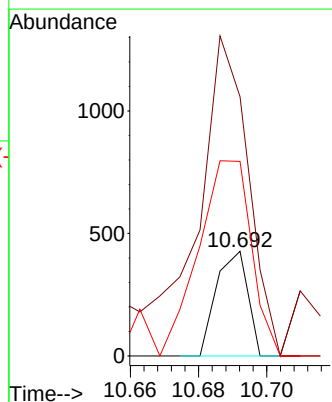
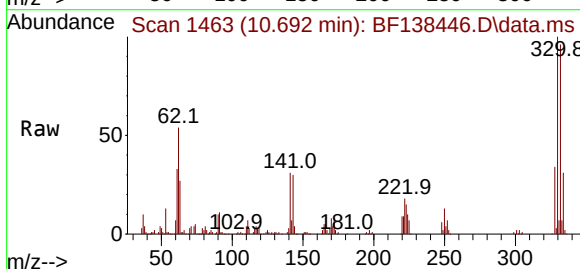
Tgt Ion:198 Resp: 273

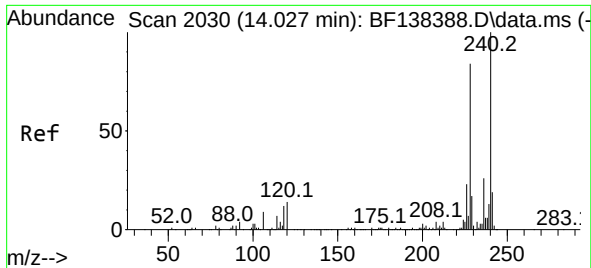
Ion Ratio Lower Upper

198 100

51 247.8 27.9 67.9#

105 185.9 18.2 58.2#

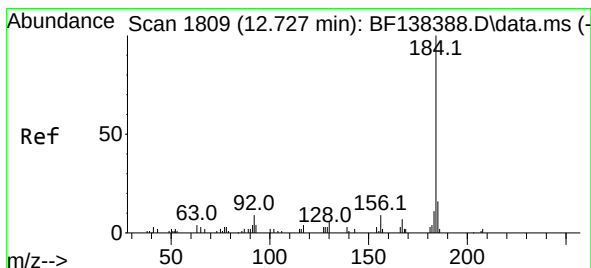
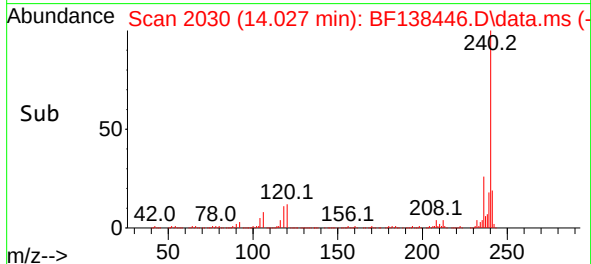
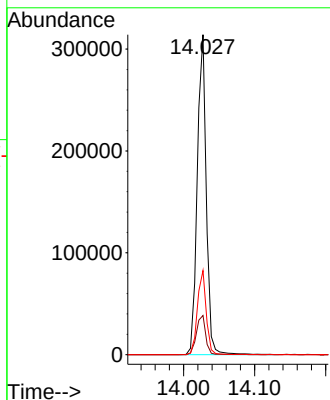
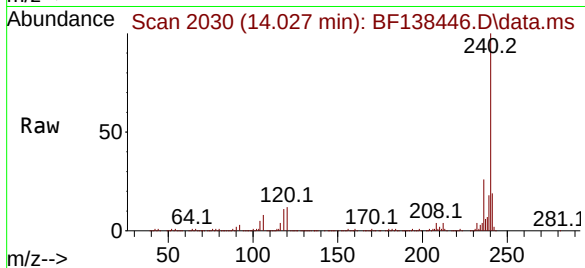




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

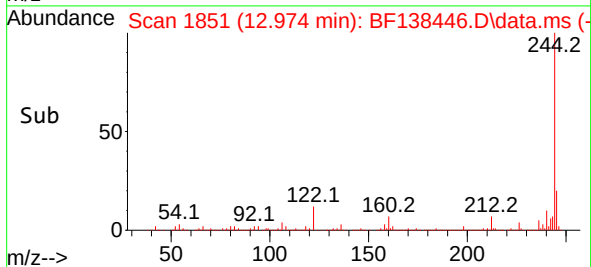
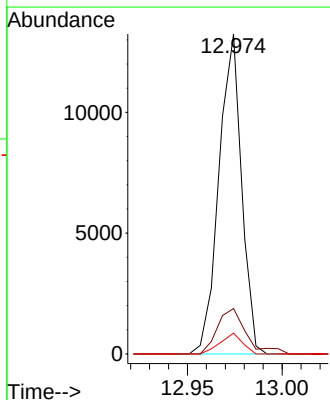
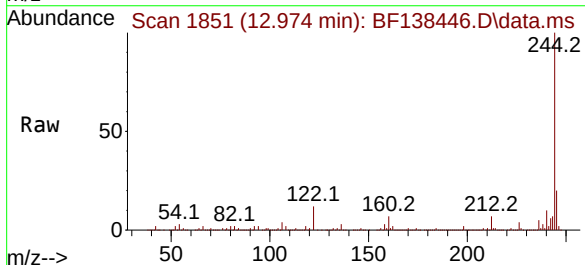
Instrument :
BNA_F
ClientSampleId :
327

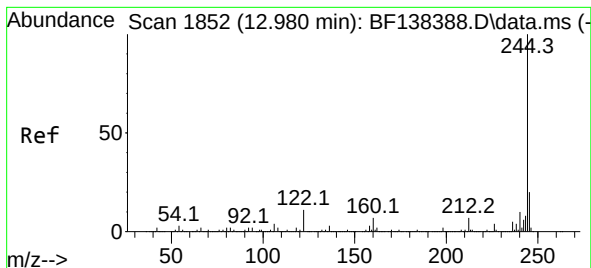
Tgt Ion:240 Resp: 278105
Ion Ratio Lower Upper
240 100
120 12.3 10.9 16.3
236 26.3 20.6 30.8



#77
Benzidine
Concen: 4.960 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138446.D
Acq: 03 Jul 2024 15:13

Tgt Ion:184 Resp: 11031
Ion Ratio Lower Upper
184 100
185 14.2 13.0 19.4
183 6.5 9.0 13.6#





#79

Terphenyl-d14

Concen: 41.976 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

Instrument :

BNA_F

ClientSampleId :

327

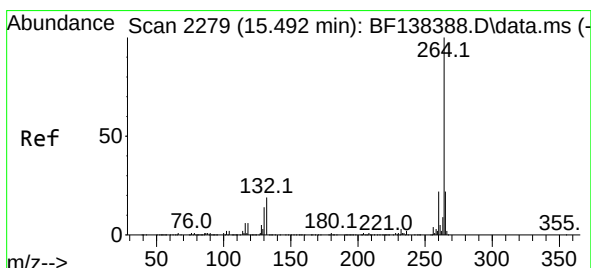
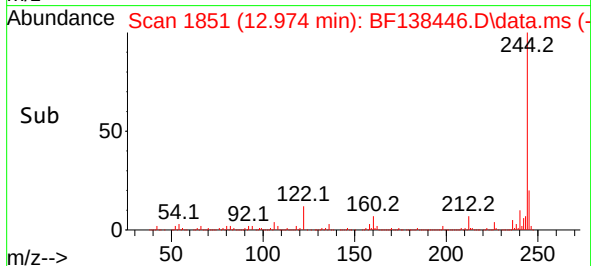
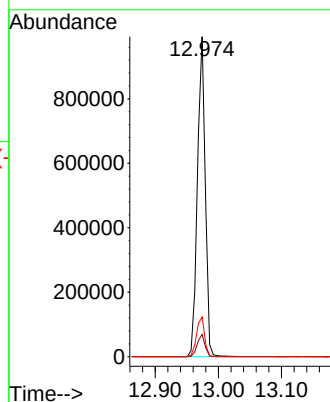
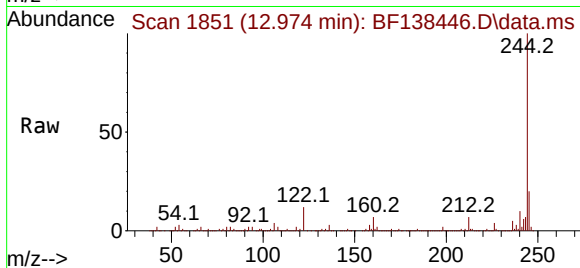
Tgt Ion:244 Resp: 851827

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.4 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF138446.D

Acq: 03 Jul 2024 15:13

Tgt Ion:264 Resp: 246653

Ion Ratio Lower Upper

264 100

260 24.5 17.8 26.6

265 22.4 17.5 26.3

