

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134349.D
 Acq On : 18 Jul 2023 21:23
 Operator : CG\JU
 Sample : 03597-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-49-(2-5)

Quant Time: Jul 19 01:42:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

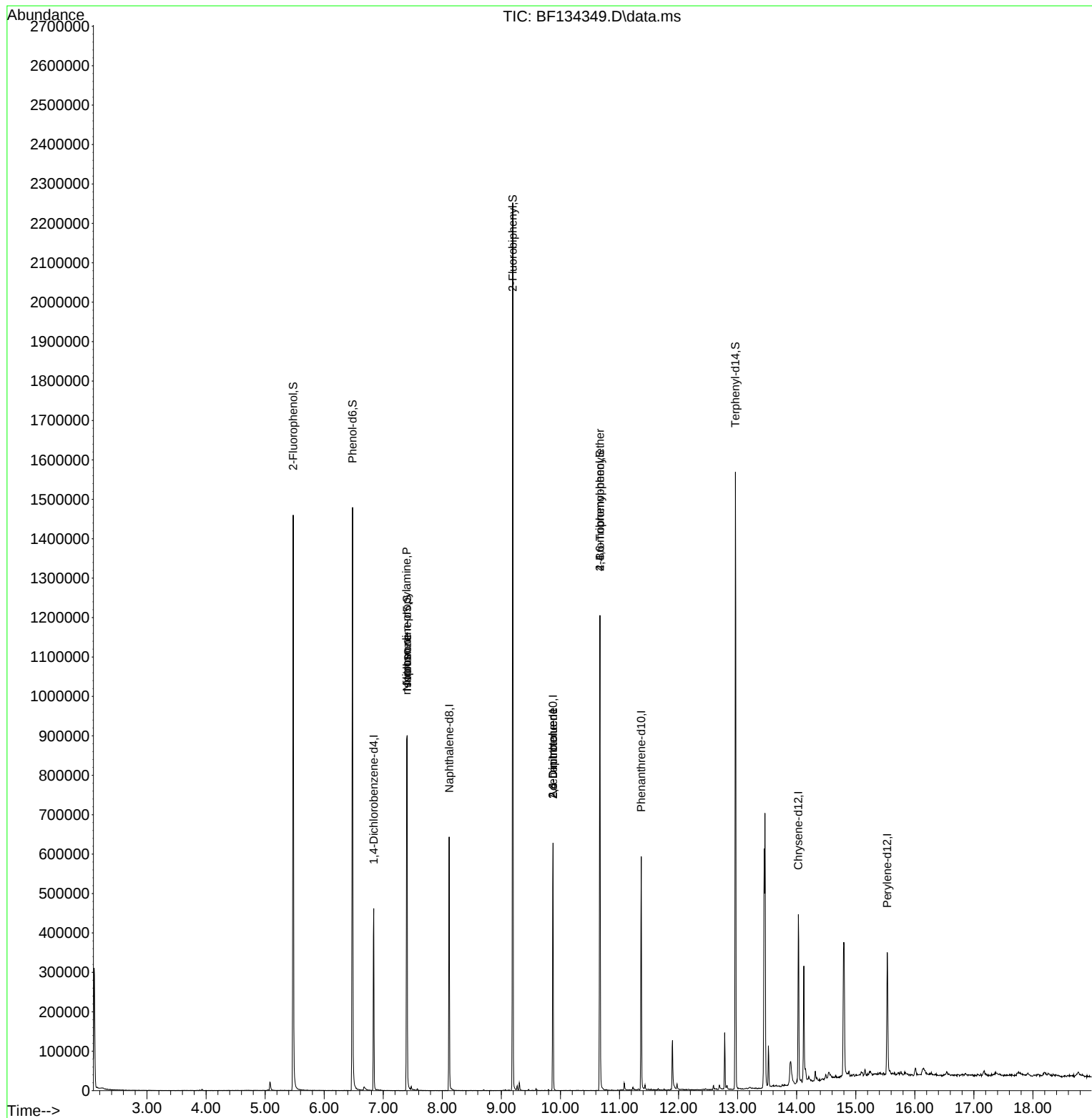
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	65698	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	250200	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	120652	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	205442	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	142261	20.000	ng	-0.01
86) Perylene-d12	15.533	264	147493	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	357732	91.084	ng	0.00
7) Phenol-d6	6.481	99	431934	89.426	ng	0.00
23) Nitrobenzene-d5	7.404	82	296807	63.947	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	142438	94.159	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	591528	71.281	ng	-0.01
79) Terphenyl-d14	12.963	244	537938	60.858	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.481	77	730	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	41714	13.618	ng	# 76
25) Isophorone	7.404	82	296804	35.185	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	15432	8.181	ng	# 23
57) 2,4-Dinitrotoluene	9.875	165	15432	6.195	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	8632	3.953	ng	# 1

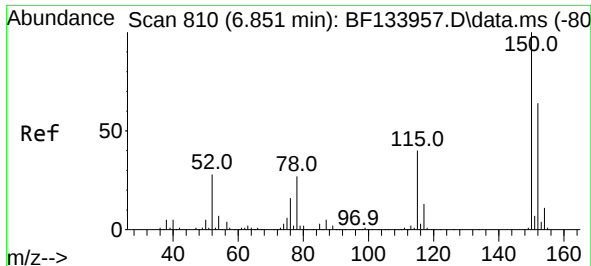
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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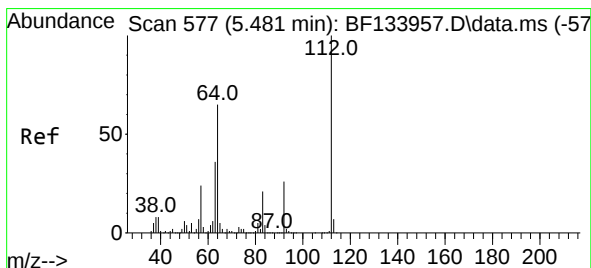
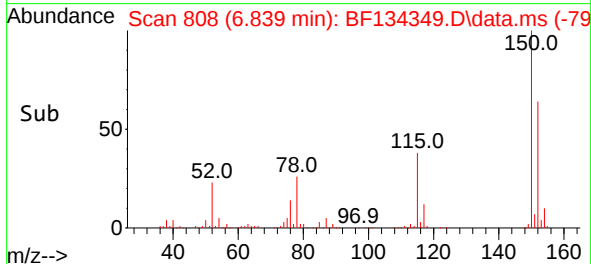
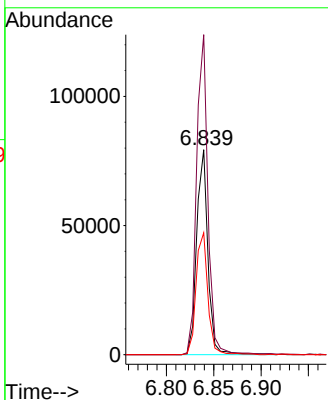
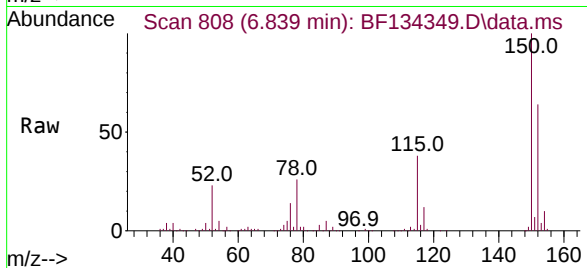




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

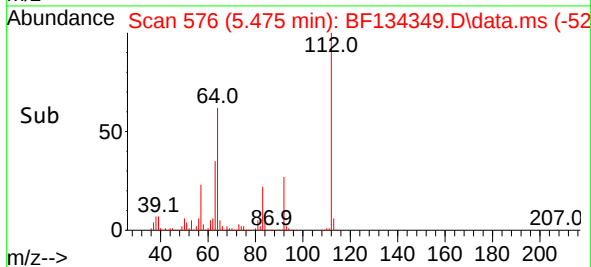
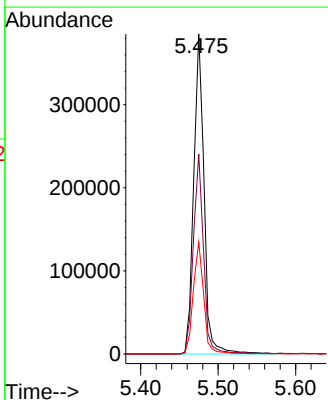
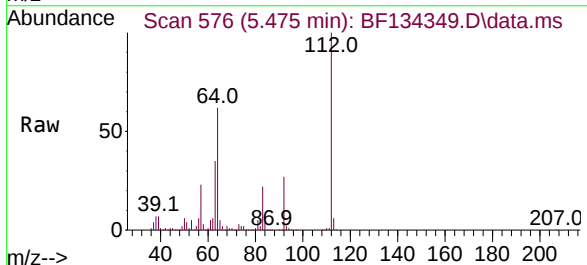
Instrument :
BNA_F
ClientSampleId :
RB-49-(2-5)

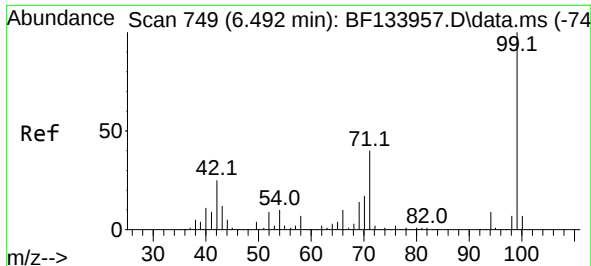
Tgt Ion:152 Resp: 65698
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 59.5 50.2 75.2



#5
2-Fluorophenol
Concen: 91.084 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Tgt Ion:112 Resp: 357732
Ion Ratio Lower Upper
112 100
64 62.4 52.1 78.1
63 35.0 28.6 42.8





#7

Phenol-d6

Concen: 89.426 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

RB-49-(2-5)

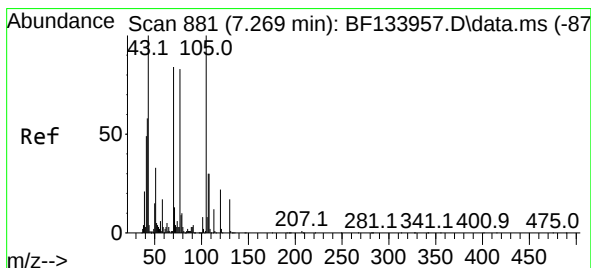
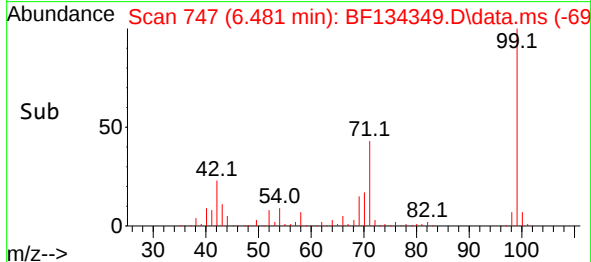
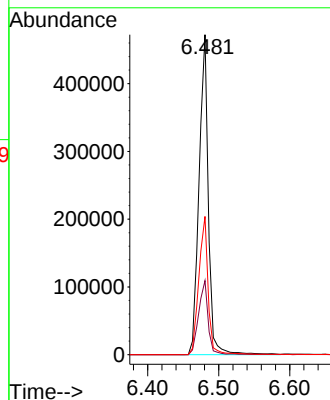
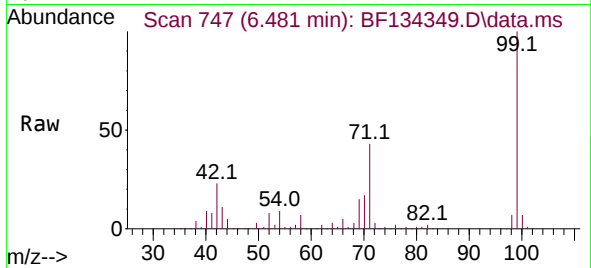
Tgt Ion: 99 Resp: 431934

Ion Ratio Lower Upper

99 100

42 23.2 19.8 29.6

71 43.2 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.618 ng

RT: 7.398 min Scan# 903

Delta R.T. 0.141 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

Tgt Ion: 70 Resp: 41714

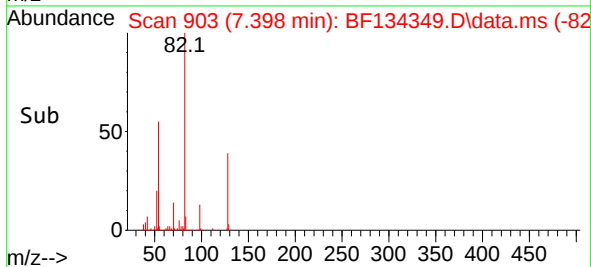
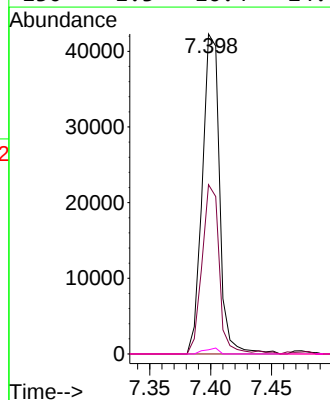
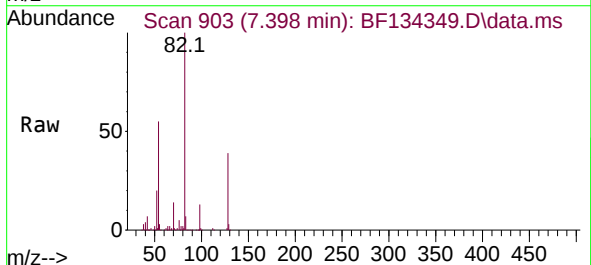
Ion Ratio Lower Upper

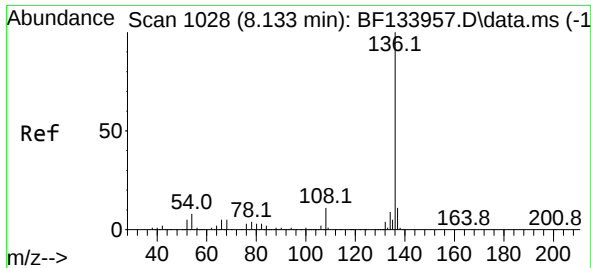
70 100

42 52.9 54.7 82.1#

101 0.0 7.7 11.5#

130 1.3 16.4 24.6#



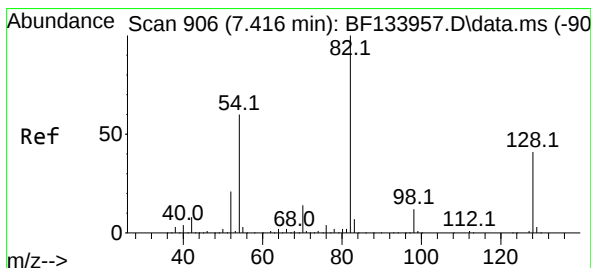
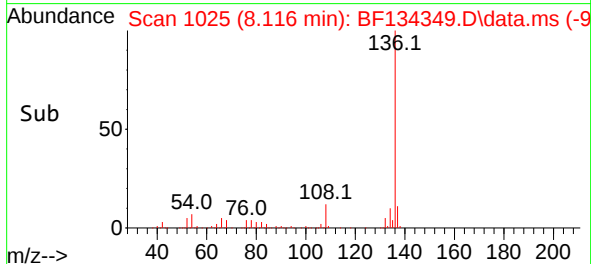
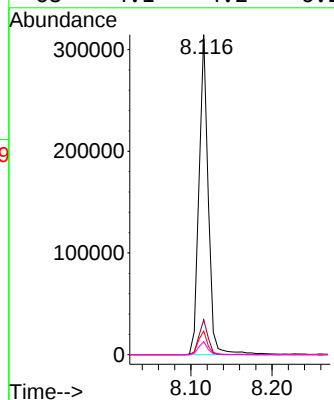
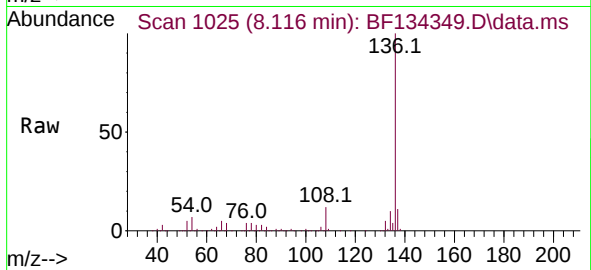


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :
RB-49-(2-5)

Tgt Ion:136 Resp: 250200

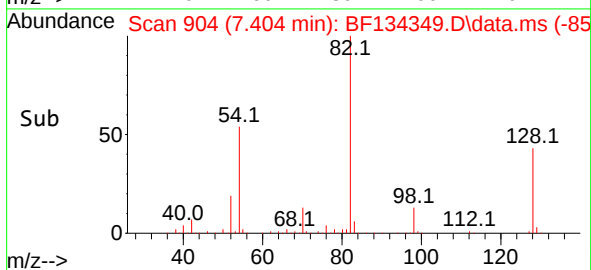
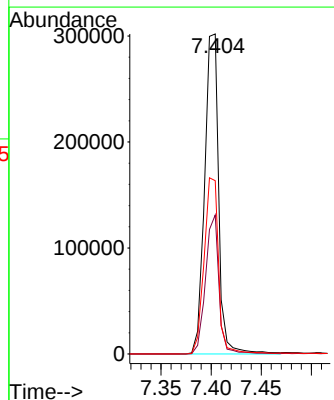
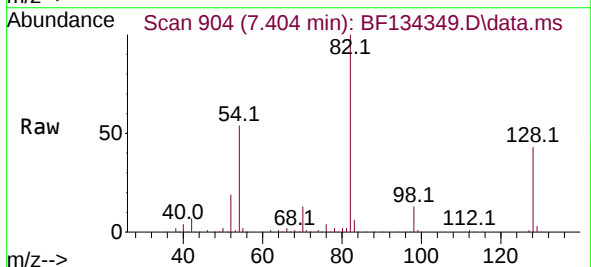
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.4	6.5	9.7
68	4.1	4.2	6.2

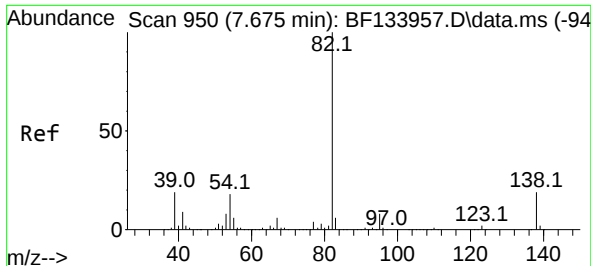


#23
Nitrobenzene-d5
Concen: 63.947 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Tgt Ion: 82 Resp: 296807

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.5	48.7
54	54.2	48.2	72.2

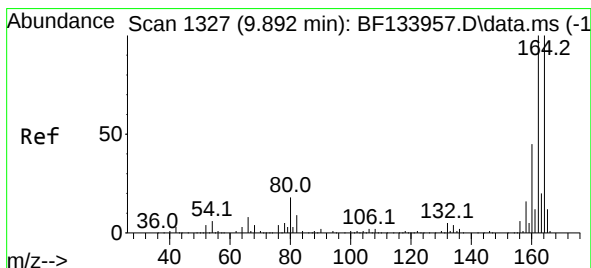
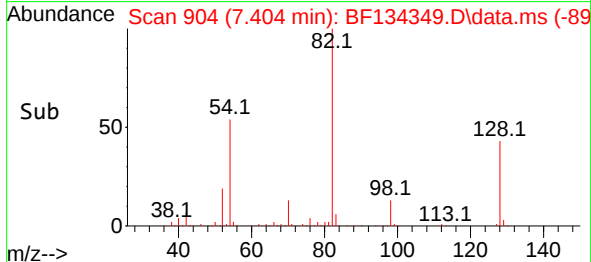
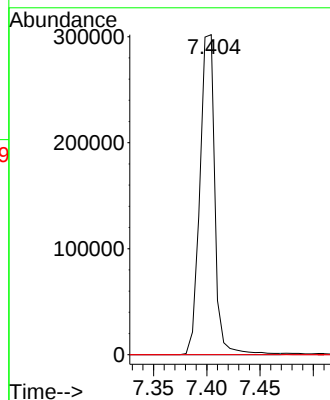
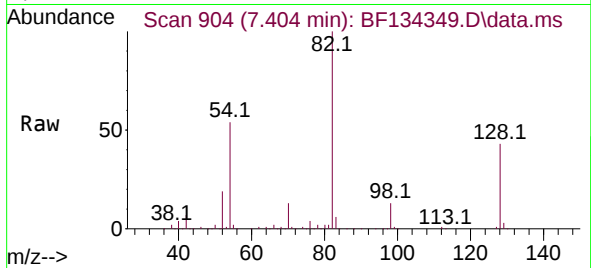




#25
Isophorone
Concen: 35.185 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

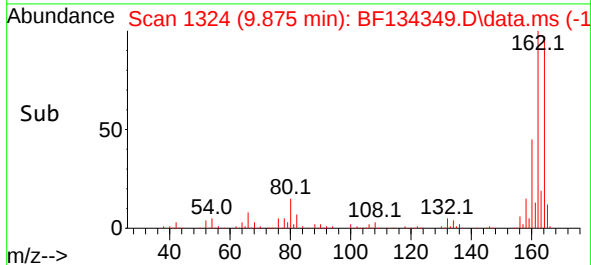
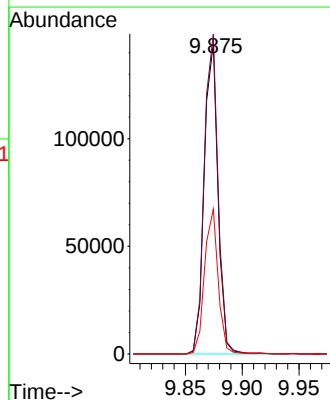
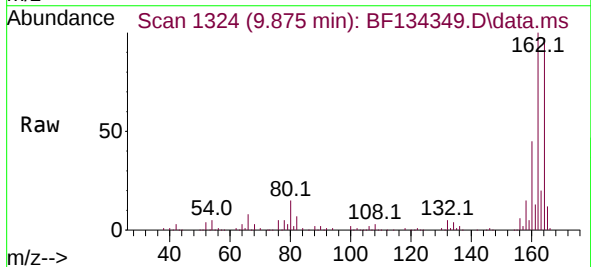
Instrument :
BNA_F
ClientSampleId :
RB-49-(2-5)

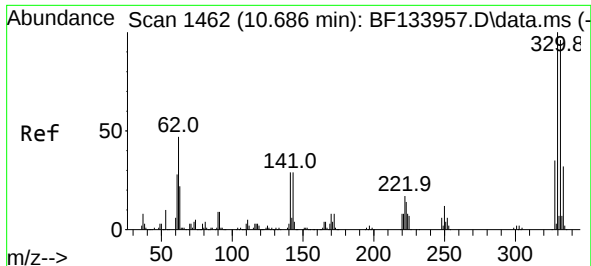
Tgt Ion: 82 Resp: 296804
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Tgt Ion:164 Resp: 120652
Ion Ratio Lower Upper
164 100
162 103.0 80.0 120.0
160 46.6 35.9 53.9

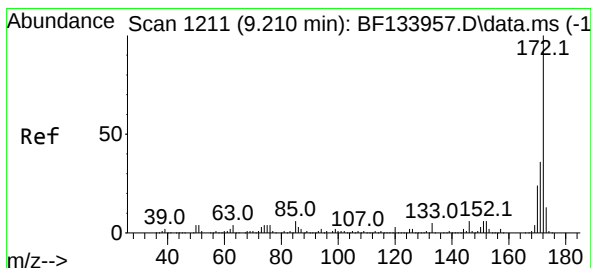
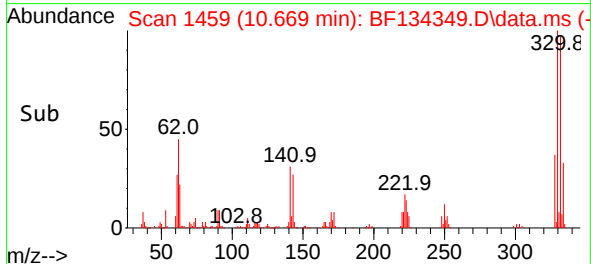
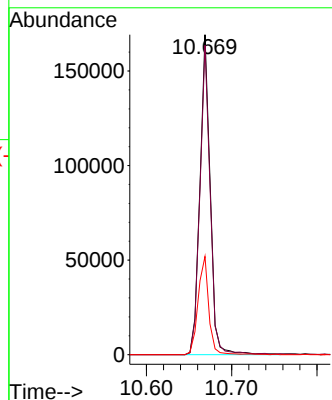
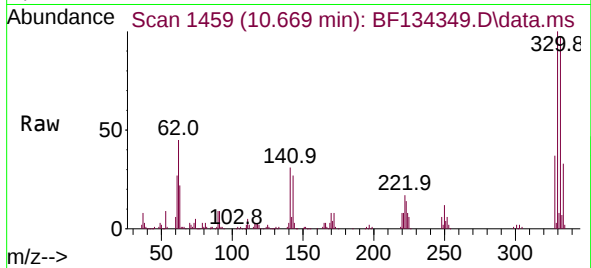




#42
2,4,6-Tribromophenol
Concen: 94.159 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

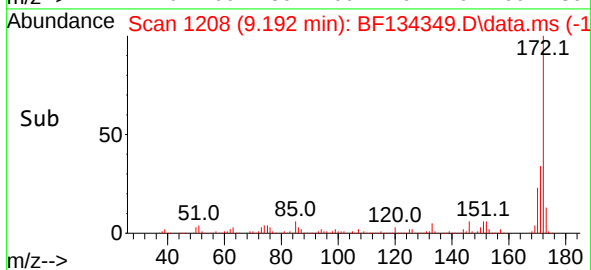
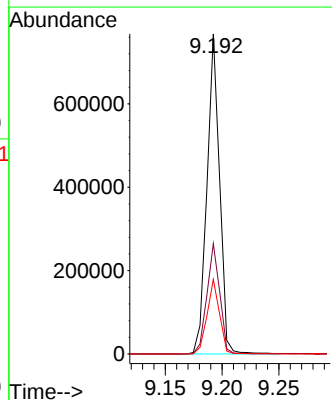
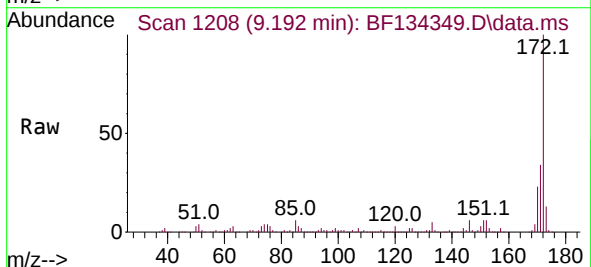
Instrument :
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ClientSampleId :
RB-49-(2-5)

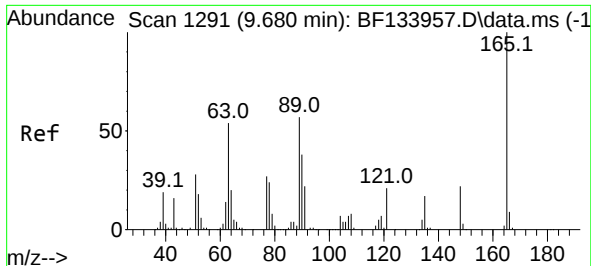
Tgt Ion:330 Resp: 142438
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 31.8 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 71.281 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Tgt Ion:172 Resp: 591528
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.3 19.4 29.0

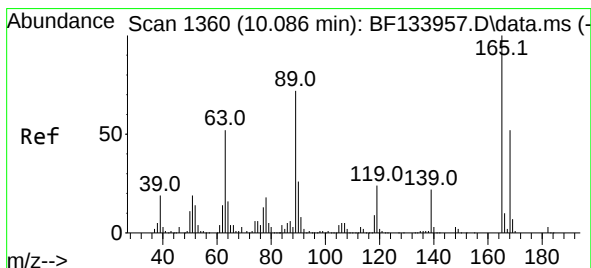
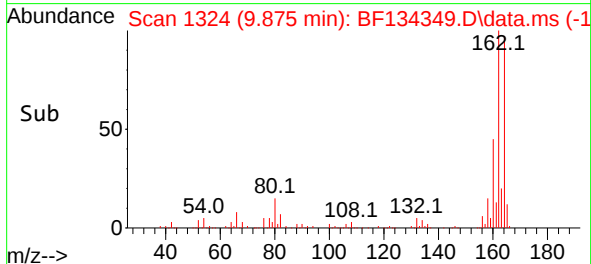
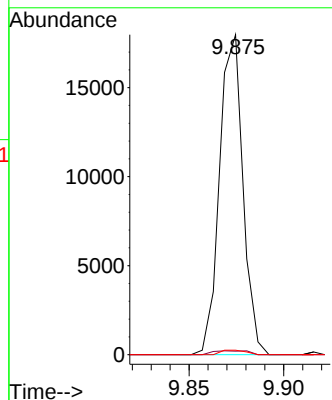
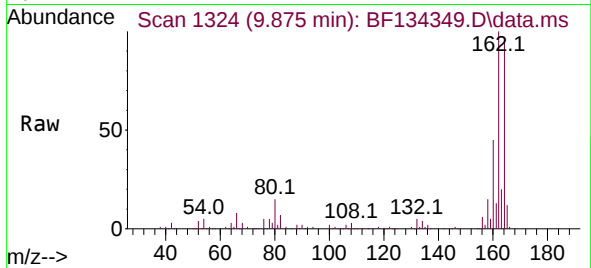




#51
2,6-Dinitrotoluene
Concen: 8.181 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

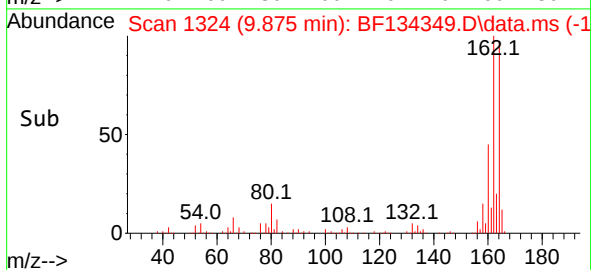
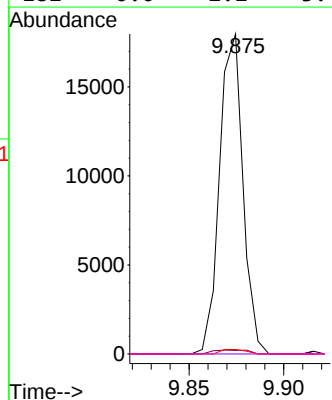
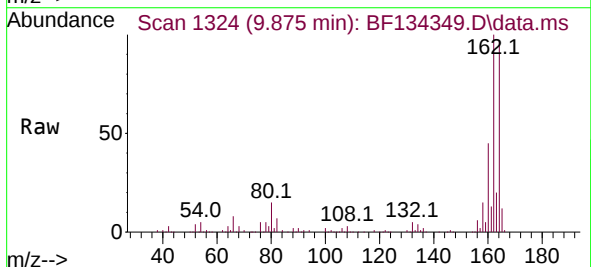
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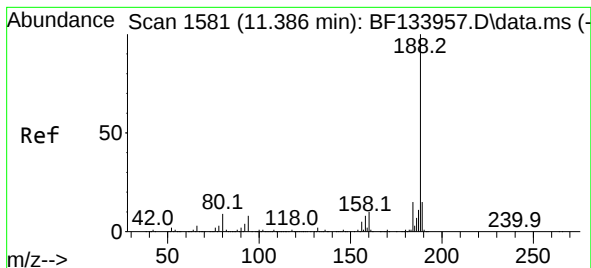
Tgt Ion:165 Resp: 15432
Ion Ratio Lower Upper
165 100
63 1.1 48.5 72.7#
89 1.4 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.195 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Tgt Ion:165 Resp: 15432
Ion Ratio Lower Upper
165 100
63 1.1 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

RB-49-(2-5)

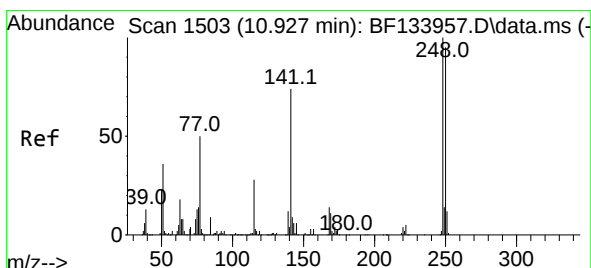
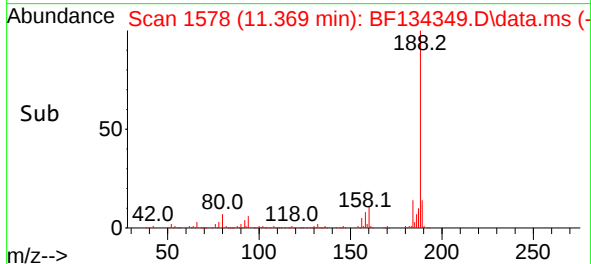
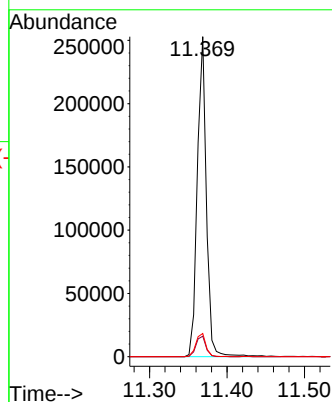
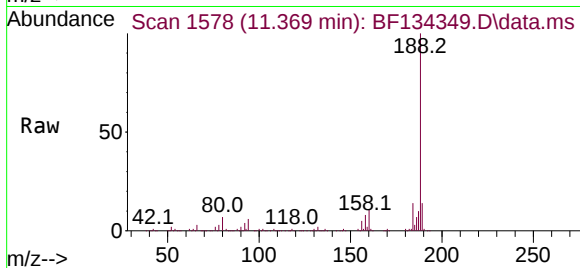
Tgt Ion:188 Resp: 205442

Ion Ratio Lower Upper

188 100

94 6.4 6.4 9.6

80 7.2 7.3 10.9#



#67

4-Bromophenyl-phenylether

Concen: 3.953 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

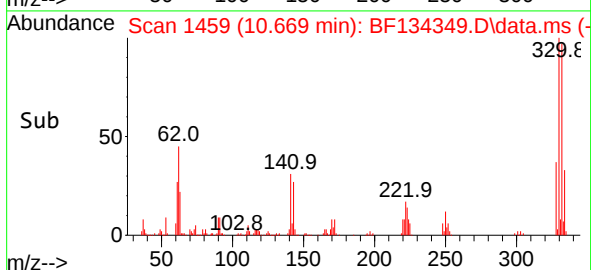
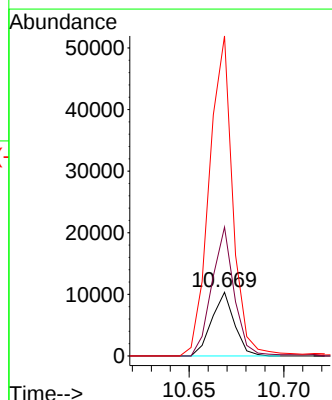
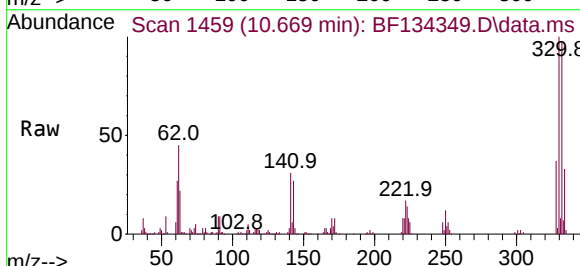
Tgt Ion:248 Resp: 8632

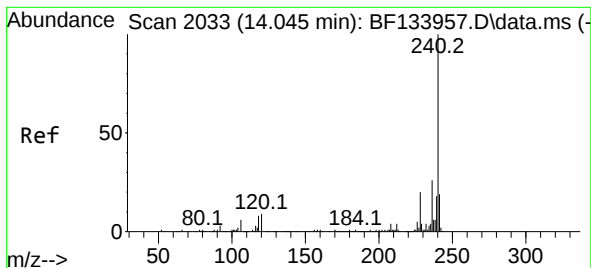
Ion Ratio Lower Upper

248 100

250 202.2 76.2 114.4#

141 502.3 59.0 88.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

Instrument :

BNA_F

ClientSampleId :

RB-49-(2-5)

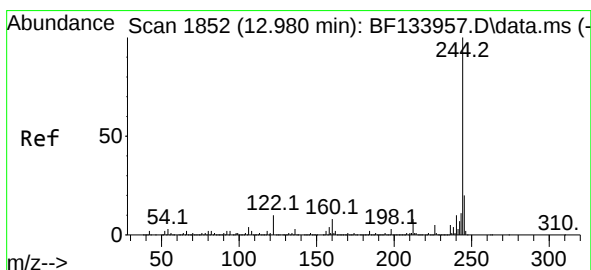
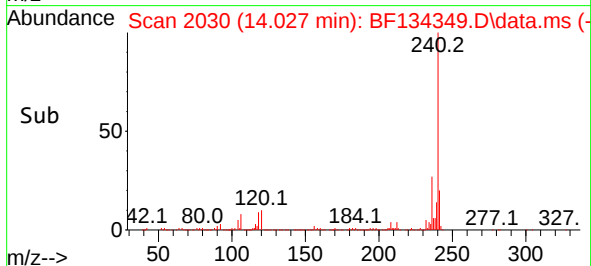
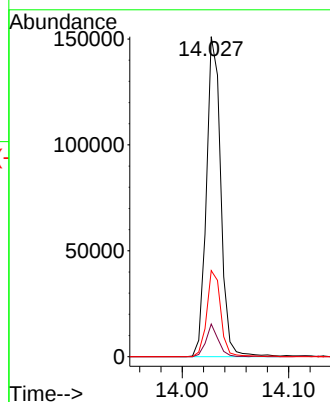
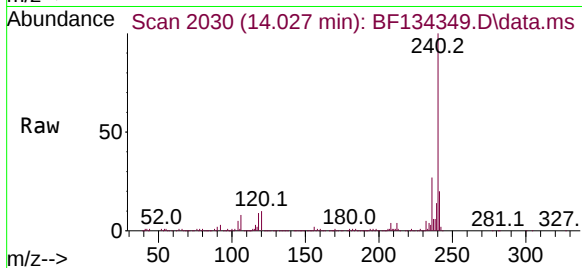
Tgt Ion:240 Resp: 142261

Ion Ratio Lower Upper

240 100

120 10.2 7.4 11.0

236 26.9 21.0 31.6



#79

Terphenyl-d14

Concen: 60.858 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134349.D

Acq: 18 Jul 2023 21:23

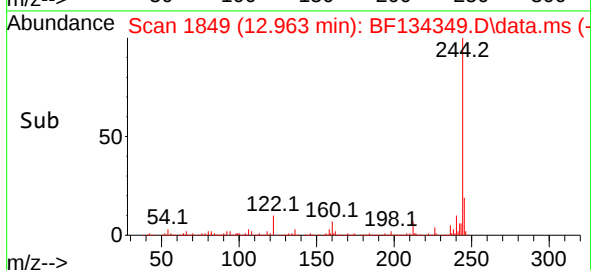
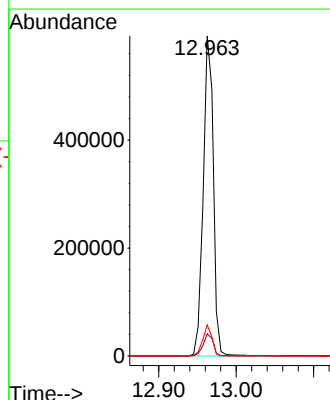
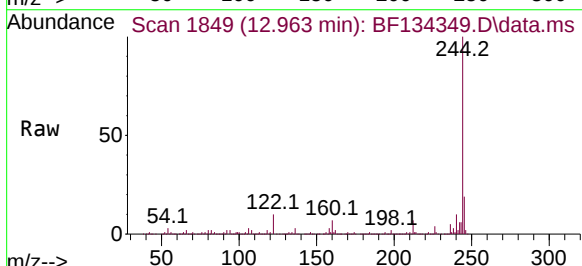
Tgt Ion:244 Resp: 537938

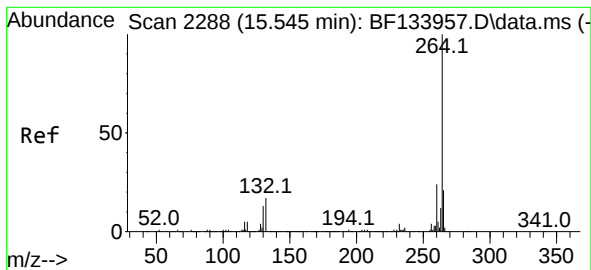
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.7 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134349.D
Acq: 18 Jul 2023 21:23

Instrument :
BNA_F
ClientSampleId :
RB-49-(2-5)

Tgt Ion:264 Resp: 147493
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.4 16.6 25.0

