

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072723\
 Data File : BF134512.D
 Acq On : 27 Jul 2023 18:49
 Operator : CG\JU
 Sample : 03706-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-P21A

Quant Time: Jul 28 02:07:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

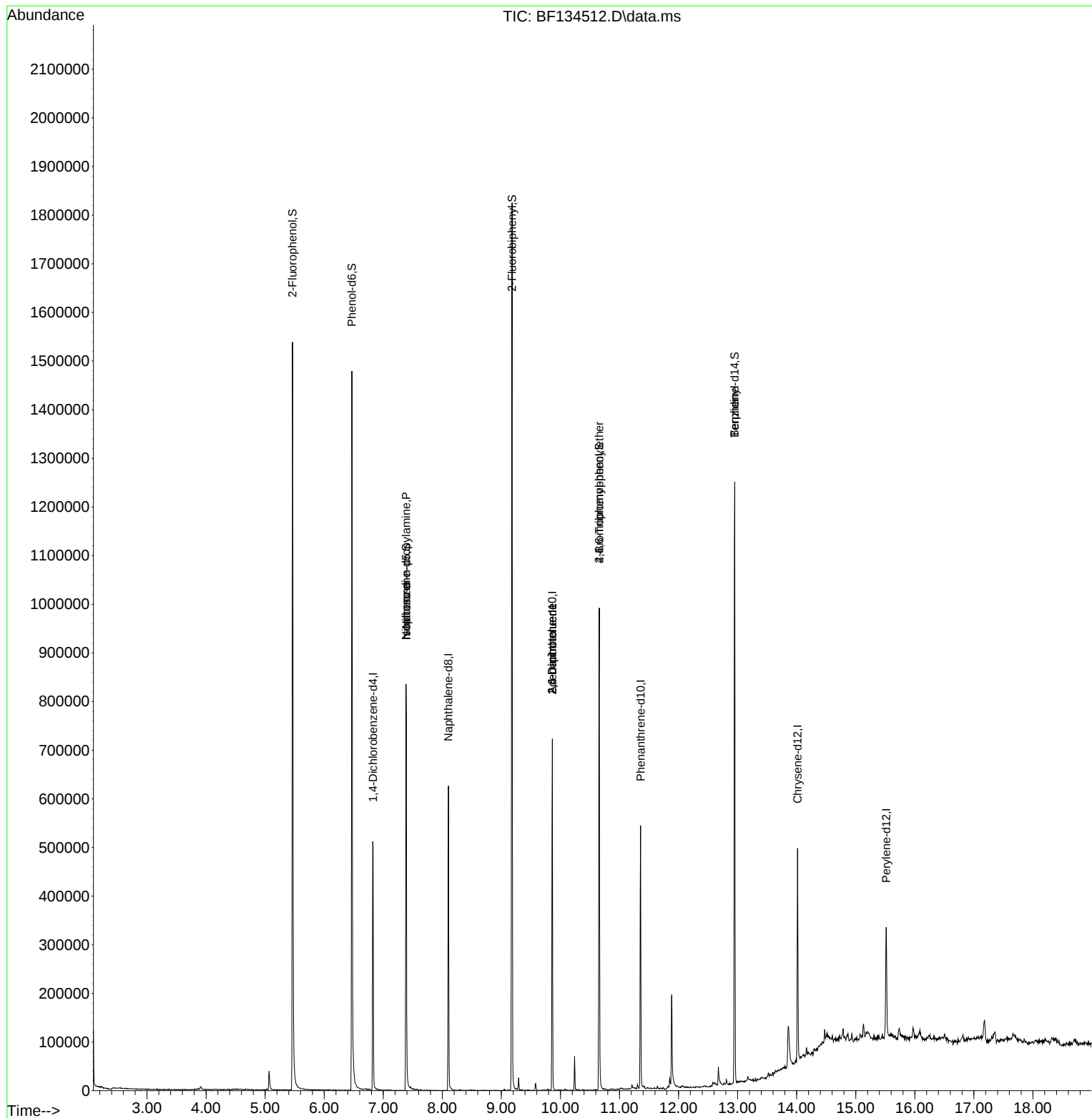
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	81962	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	258218	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	133473	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	194292	20.000	ng	0.00
76) Chrysene-d12	14.015	240	136782	20.000	ng	0.00
86) Perylene-d12	15.515	264	106880	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	417154	84.090	ng	0.00
7) Phenol-d6	6.469	99	448636	73.814	ng	0.00
23) Nitrobenzene-d5	7.386	82	272692	53.431	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	121251	63.937	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	521032	51.247	ng	0.00
79) Terphenyl-d14	12.951	244	430689	54.966	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	37775	9.984	ng	# 78
25) Isophorone	7.386	82	272689	32.059	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	17918	8.253	ng	# 17
57) 2,4-Dinitrotoluene	9.863	165	17918	6.145	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	7224	3.394	ng	# 1
77) Benzidine	12.951	184	6214	2.128	ng	# 91

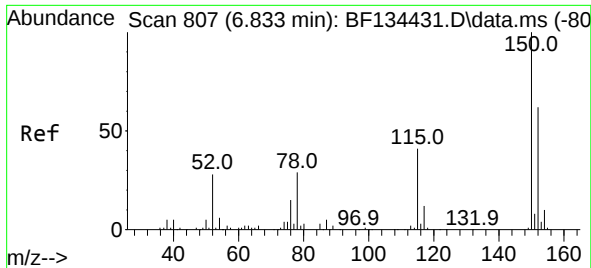
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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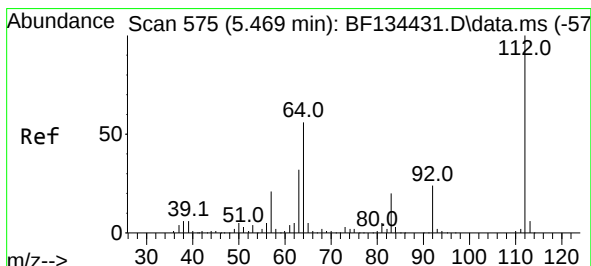
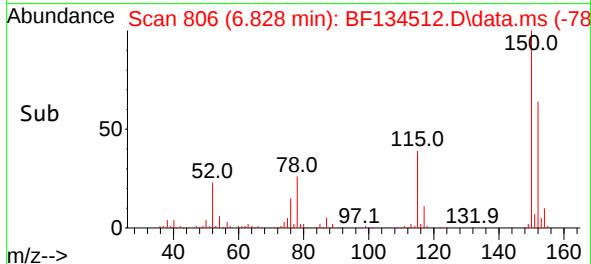
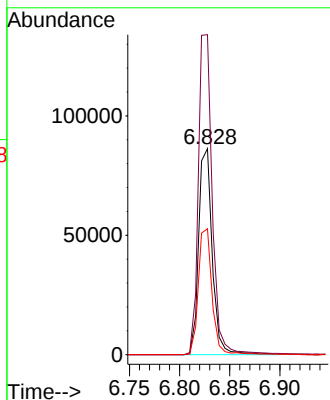
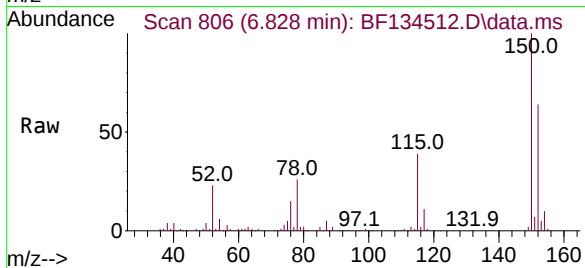




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

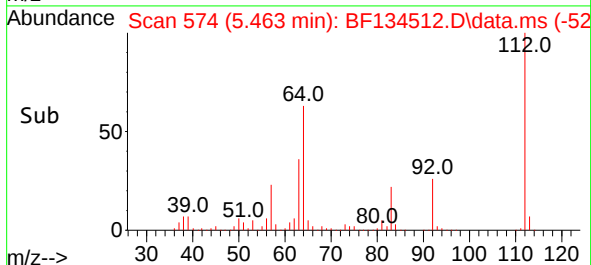
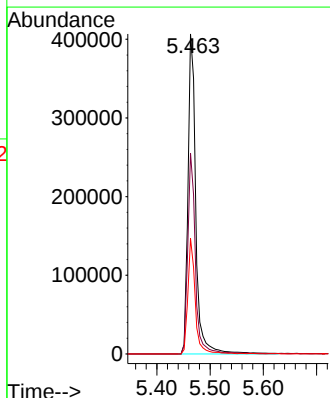
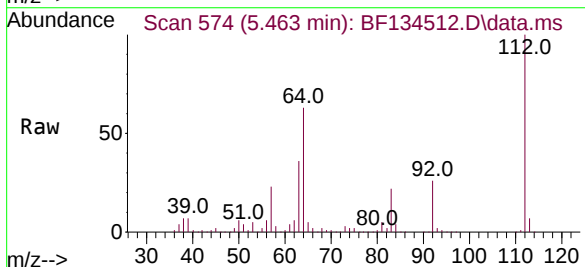
Instrument :
BNA_F
ClientSampleId :
B-P21A

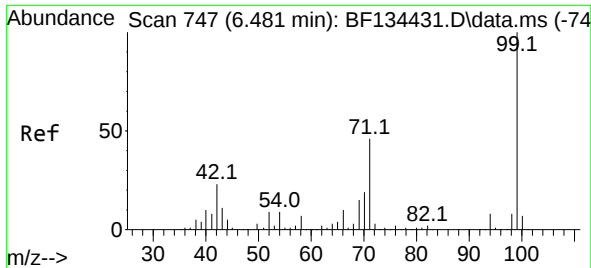
Tgt Ion:152 Resp: 81962
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 61.1 52.4 78.6



#5
2-Fluorophenol
Concen: 84.090 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

Tgt Ion:112 Resp: 417154
Ion Ratio Lower Upper
112 100
64 62.8 44.9 67.3
63 36.1 25.4 38.0

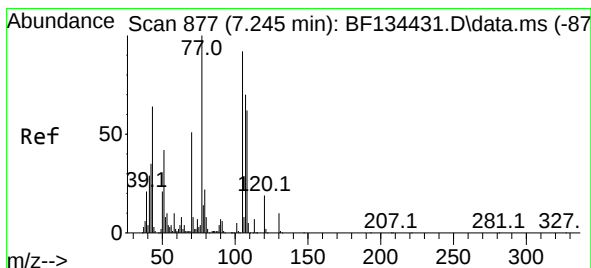
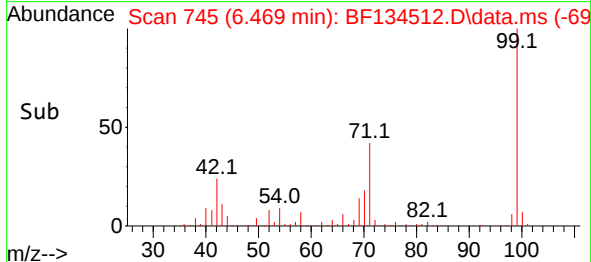
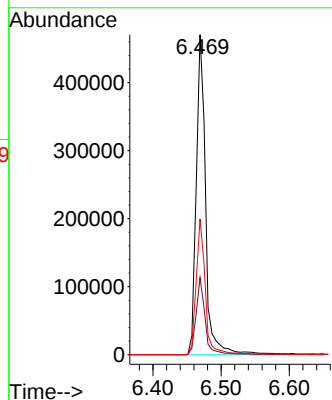
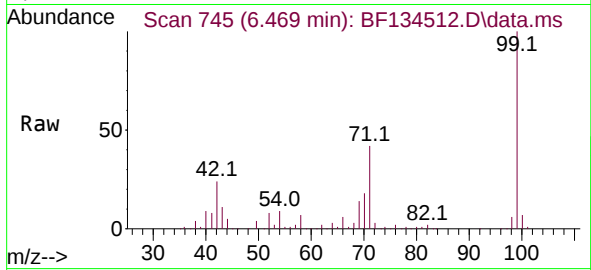




#7
Phenol-d6
Concen: 73.814 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

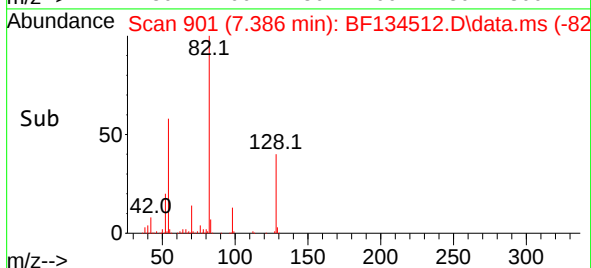
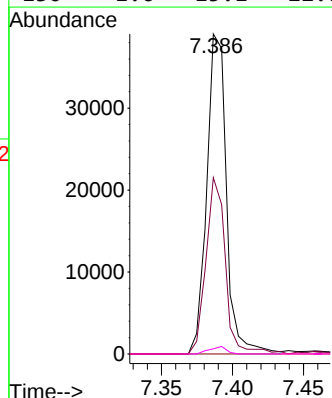
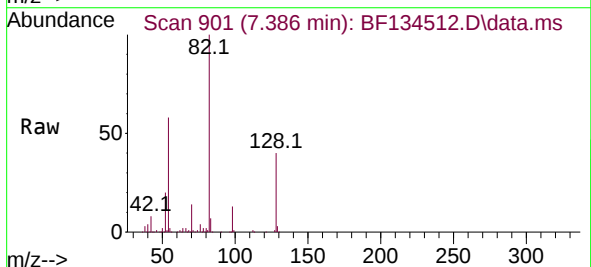
Instrument :
BNA_F
ClientSampleId :
B-P21A

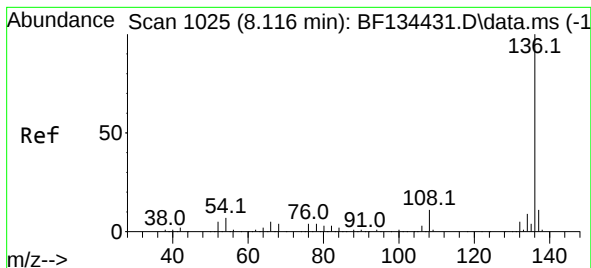
Tgt Ion: 99 Resp: 448636
Ion Ratio Lower Upper
99 100
42 24.1 18.7 28.1
71 42.4 36.4 54.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.984 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

Tgt Ion: 70 Resp: 37775
Ion Ratio Lower Upper
70 100
42 55.1 54.7 82.1
101 0.0 8.2 12.2#
130 1.6 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

Instrument :

BNA_F

ClientSampleId :

B-P21A

Tgt Ion:136 Resp: 258218

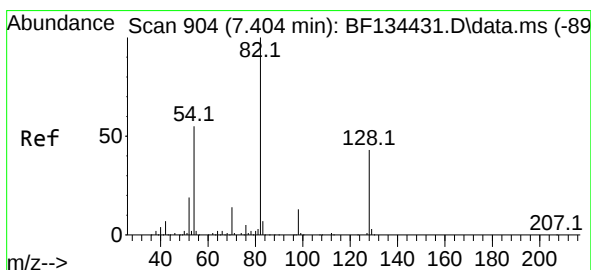
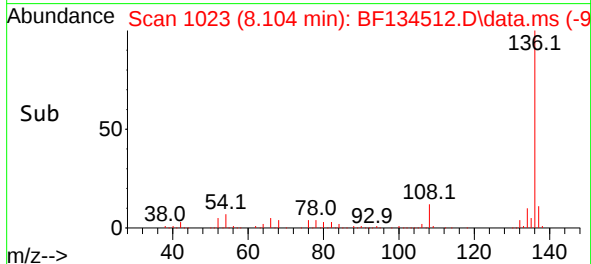
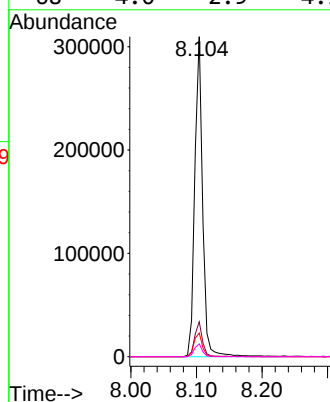
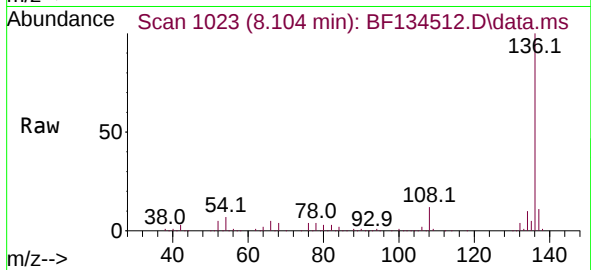
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.4 5.2 7.8

68 4.0 2.9 4.3



#23

Nitrobenzene-d5

Concen: 53.431 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

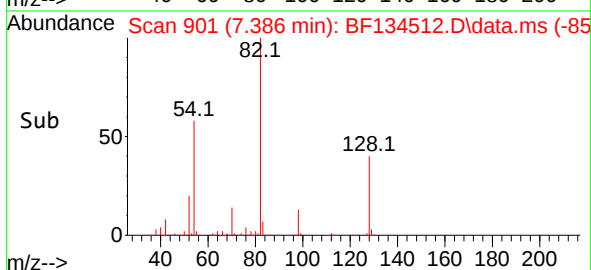
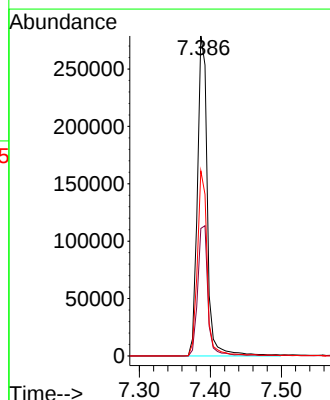
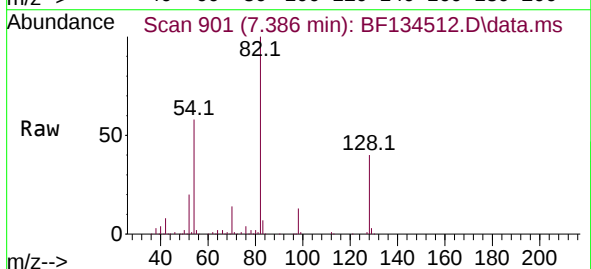
Tgt Ion: 82 Resp: 272692

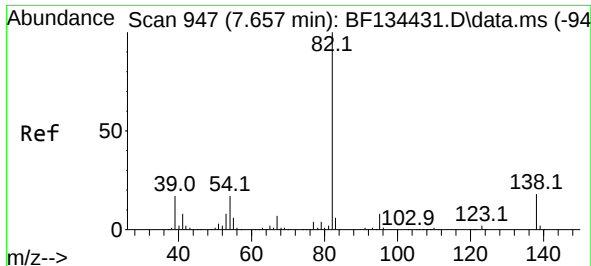
Ion Ratio Lower Upper

82 100

128 39.9 34.3 51.5

54 57.9 43.8 65.6

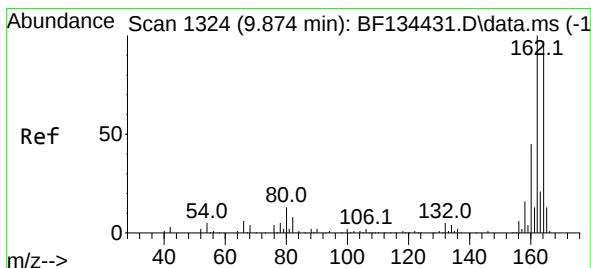
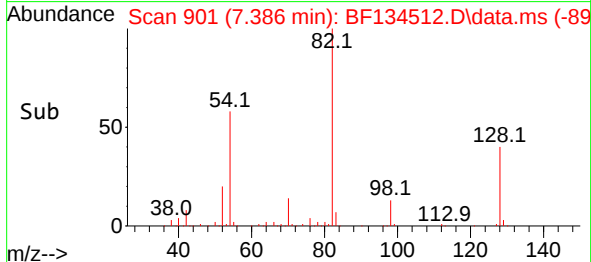
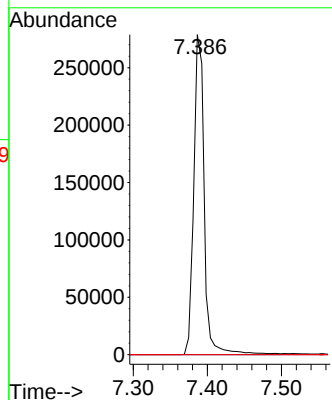
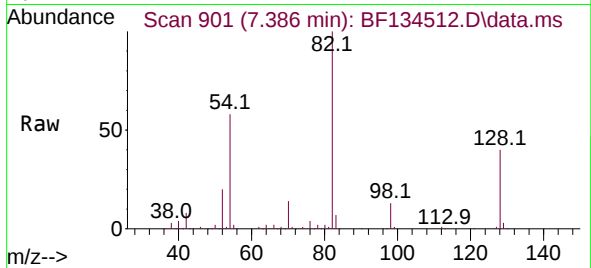




#25
Isophorone
Concen: 32.059 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

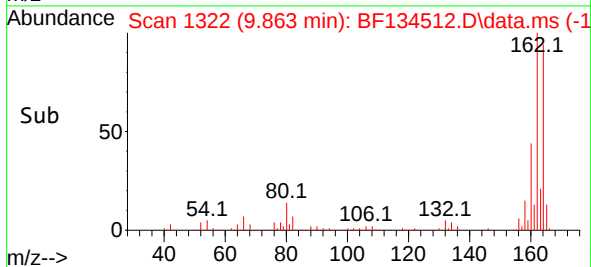
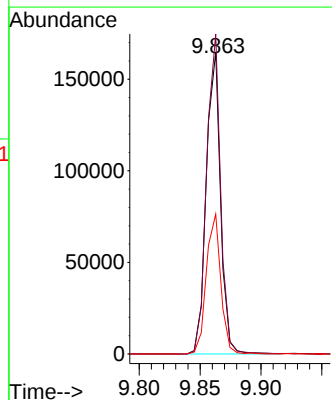
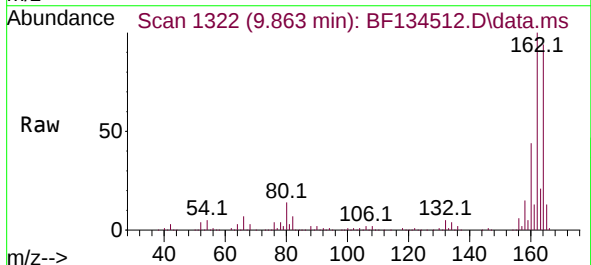
Instrument :
BNA_F
ClientSampleId :
B-P21A

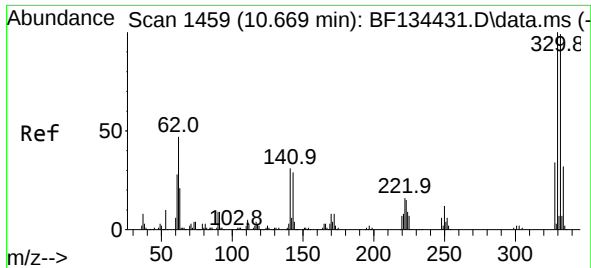
Tgt Ion: 82 Resp: 272689
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

Tgt Ion:164 Resp: 133473
Ion Ratio Lower Upper
164 100
162 105.9 82.6 123.8
160 46.3 37.2 55.8

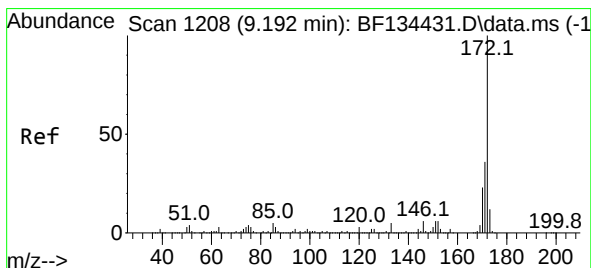
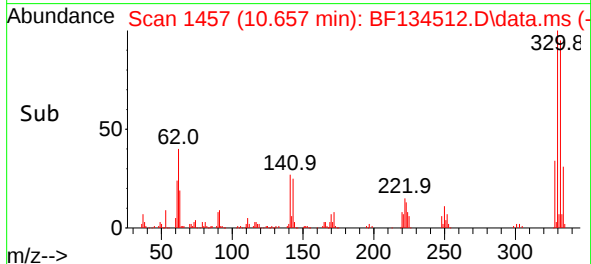
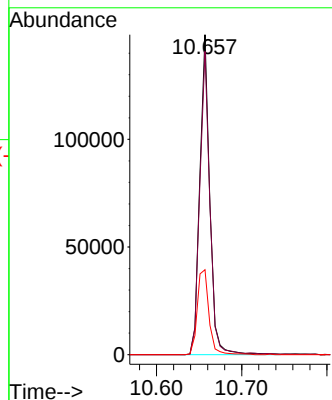
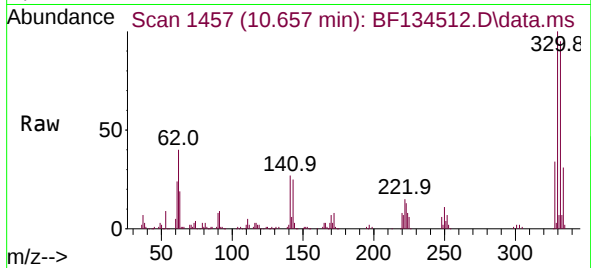




#42
2,4,6-Tribromophenol
Concen: 63.937 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

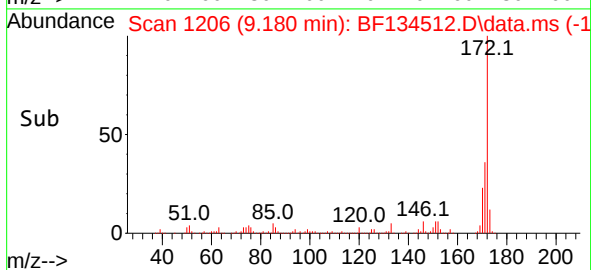
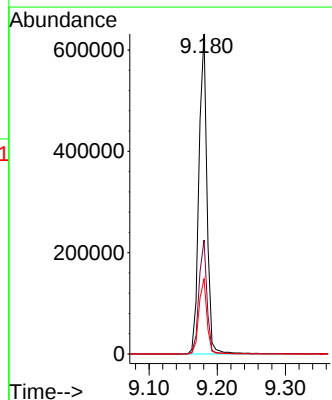
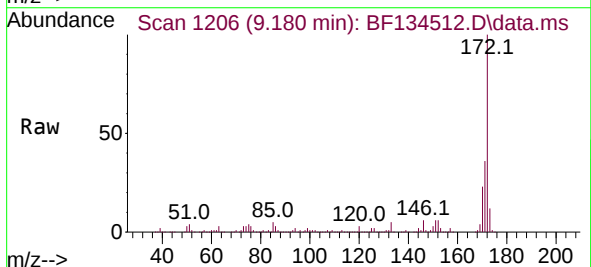
Instrument :
BNA_F
ClientSampleId :
B-P21A

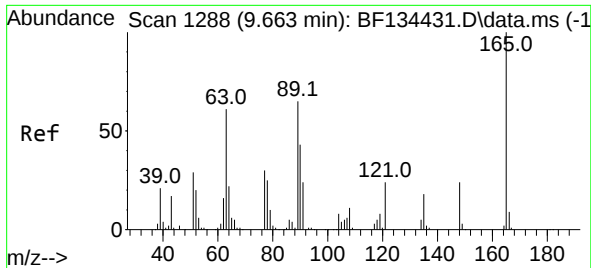
Tgt Ion:330 Resp: 121251
Ion Ratio Lower Upper
330 100
332 96.9 78.8 118.2
141 31.0 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 51.247 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

Tgt Ion:172 Resp: 521032
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 18.7 28.1

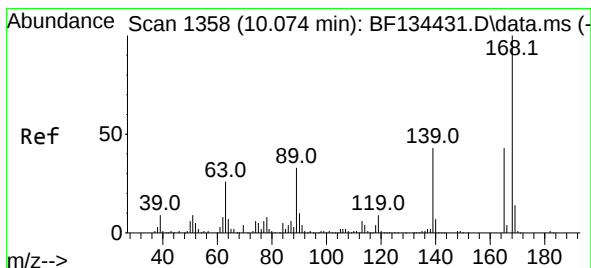
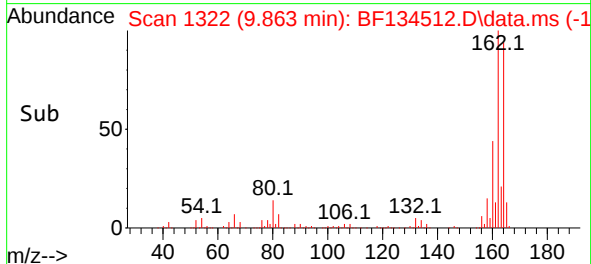
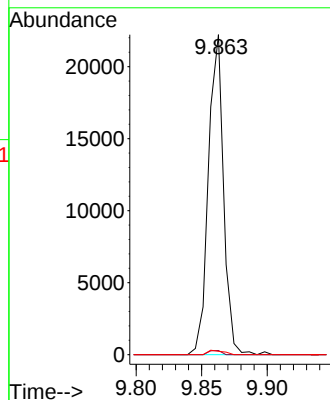
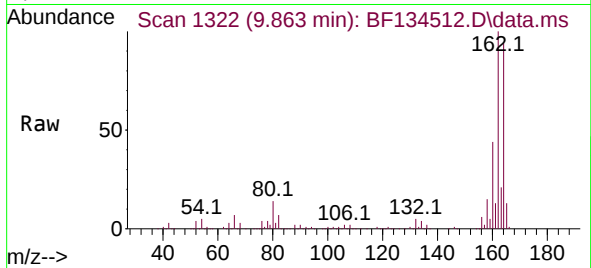




#51
2,6-Dinitrotoluene
Concen: 8.253 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

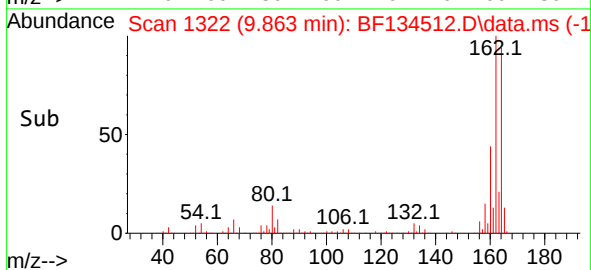
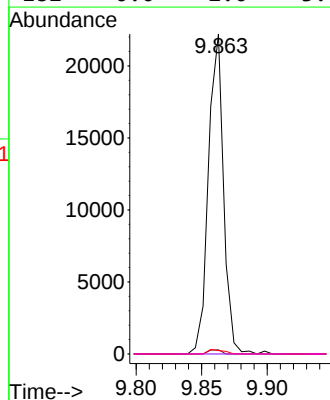
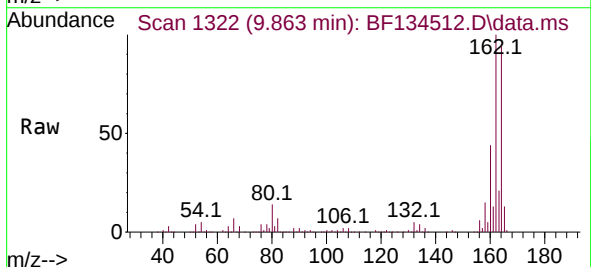
Instrument :
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ClientSampleId :
B-P21A

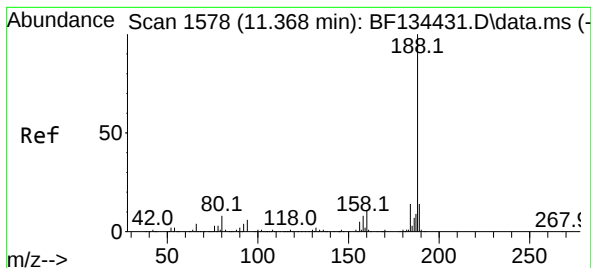
Tgt Ion:165 Resp: 17918
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.1 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 6.145 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.206 min
Lab File: BF134512.D
Acq: 27 Jul 2023 18:49

Tgt Ion:165 Resp: 17918
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

Instrument :

BNA_F

ClientSampleId :

B-P21A

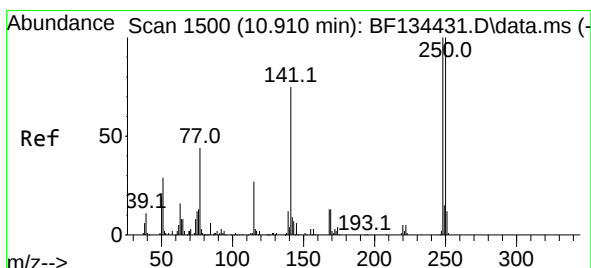
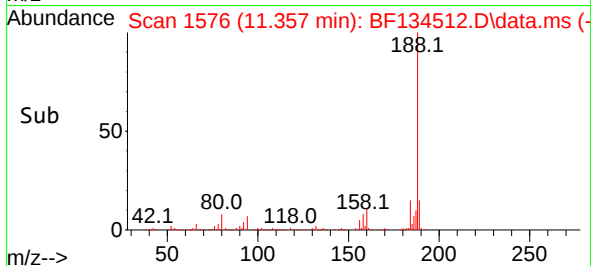
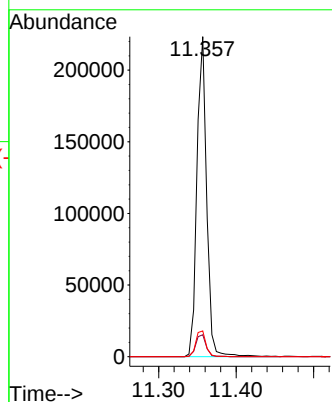
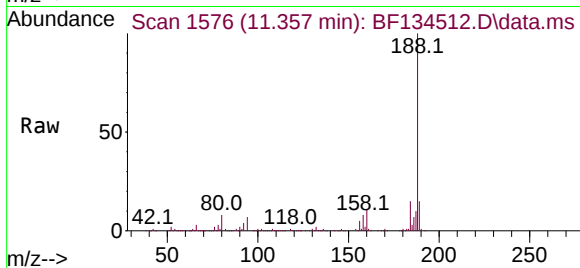
Tgt Ion:188 Resp: 194292

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

80 8.1 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 3.394 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.241 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

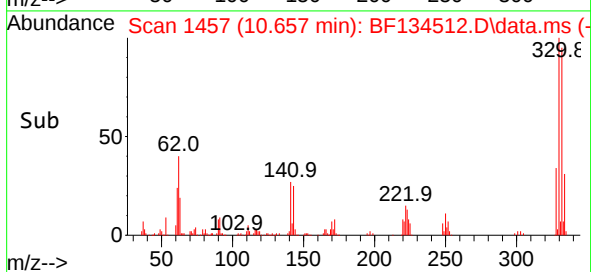
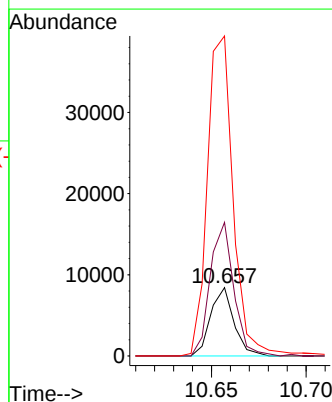
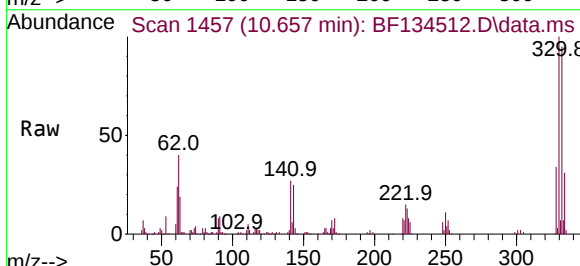
Tgt Ion:248 Resp: 7224

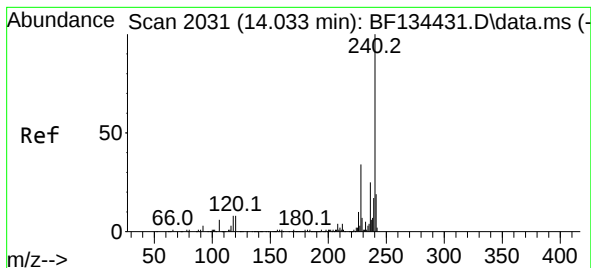
Ion Ratio Lower Upper

248 100

250 195.7 79.6 119.4#

141 468.6 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

Instrument :

BNA_F

ClientSampleId :

B-P21A

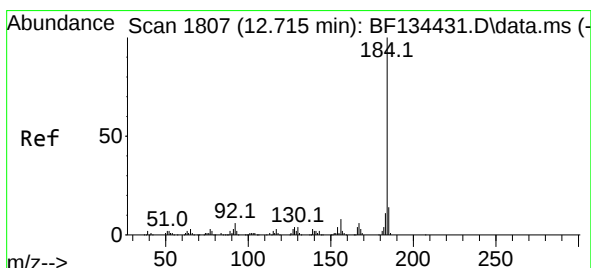
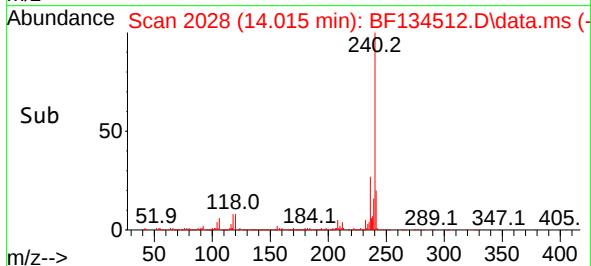
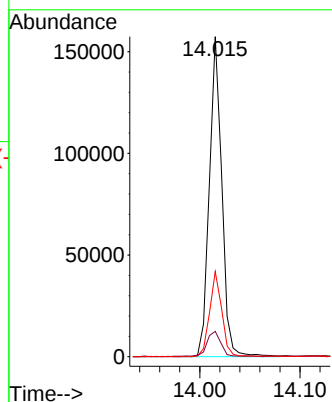
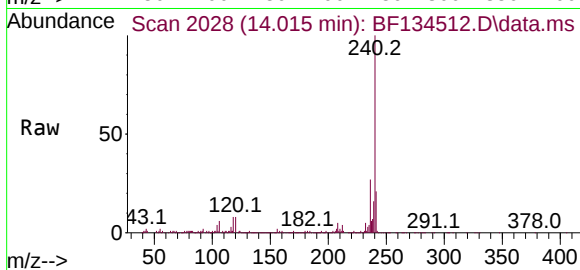
Tgt Ion:240 Resp: 136782

Ion Ratio Lower Upper

240 100

120 7.9 6.6 10.0

236 26.6 20.2 30.2



#77

Benzidine

Concen: 2.128 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.247 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

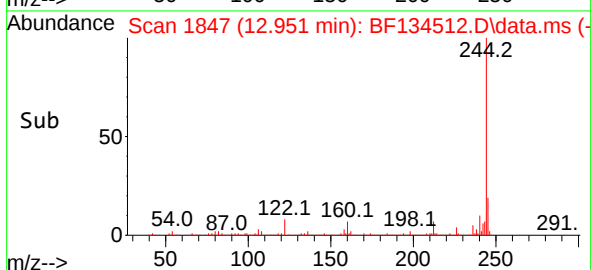
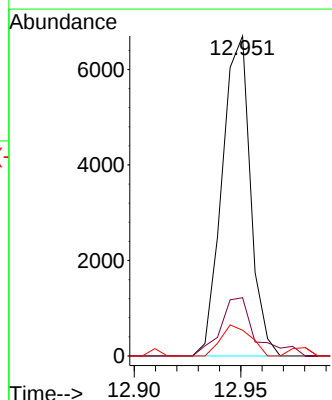
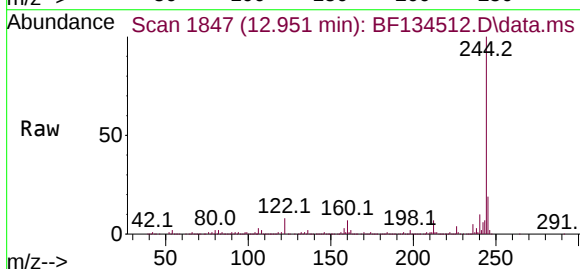
Tgt Ion:184 Resp: 6214

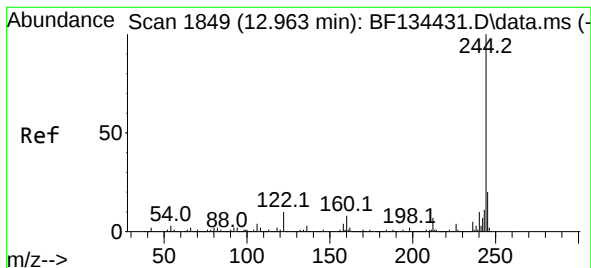
Ion Ratio Lower Upper

184 100

185 18.2 11.2 16.8#

183 8.1 8.6 13.0#





#79

Terphenyl-d14

Concen: 54.966 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

Instrument :

BNA_F

ClientSampleId :

B-P21A

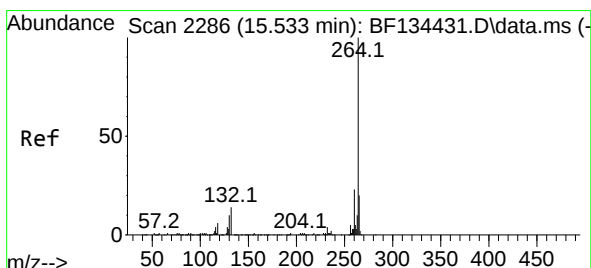
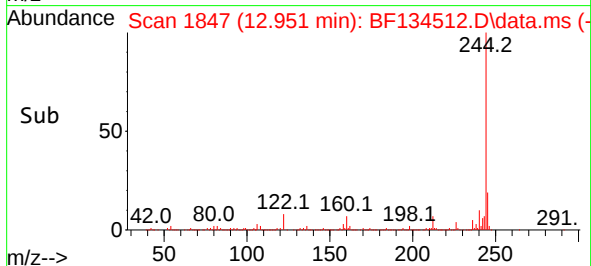
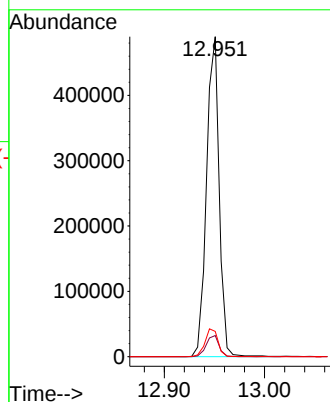
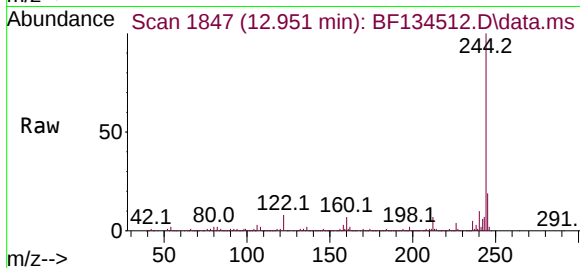
Tgt Ion:244 Resp: 430689

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 7.9 8.0 12.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF134512.D

Acq: 27 Jul 2023 18:49

Tgt Ion:264 Resp: 106880

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 21.6 15.8 23.8

