

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134562.D
 Acq On : 01 Aug 2023 22:34
 Operator : CG\JU
 Sample : 03741-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-P13ARE

Quant Time: Aug 02 02:46:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

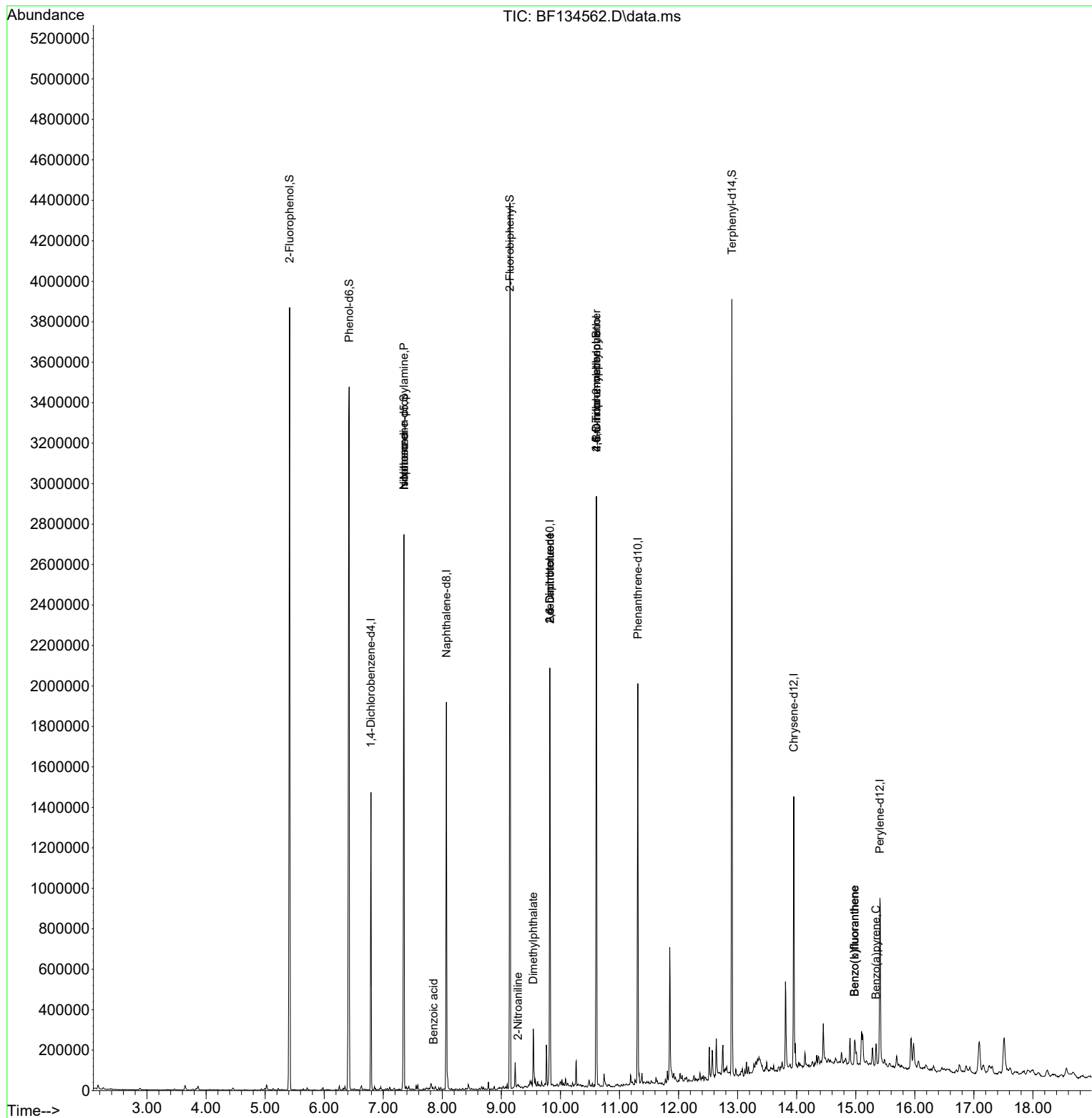
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	186101	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	745371	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	373539	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	629035	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	384494	20.000	ng	#-0.01
86) Perylene-d12	15.409	264	388740	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1068032	87.238	ng	0.00
7) Phenol-d6	6.422	99	1383037	88.373	ng	0.00
23) Nitrobenzene-d5	7.351	82	794890	66.644	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	333951	87.700	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1390066	61.875	ng	0.00
79) Terphenyl-d14	12.904	244	1290115	59.150	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.339	77	1578	Below Cal	#	86
19) n-Nitroso-di-n-propyla...	7.351	70	106990	11.418	ng	# 73
25) Isophorone	7.351	82	794713	30.549	ng	# 65
32) Benzoic acid	7.851	122	66	7.874	ng	# 69
48) 2-Nitroaniline	9.280	65	256	3.201	ng	# 8
50) Dimethylphthalate	9.539	163	92680	3.640	ng	97
51) 2,6-Dinitrotoluene	9.822	165	48415	11.294	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	48415	10.079	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	776	8.949	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	20686	3.004	ng	# 1
88) Benzo(b)fluoranthene	14.980	252	86939	3.667	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	86939	3.681	ng	# 95
90) Benzo(a)pyrene	15.345	252	46695	2.112	ng	# 92

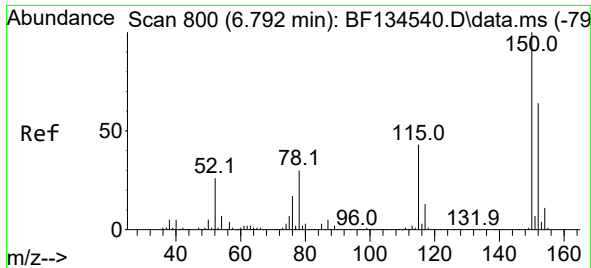
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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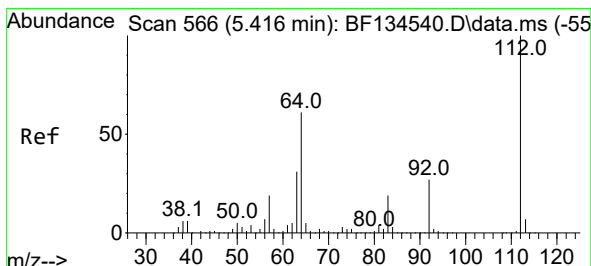
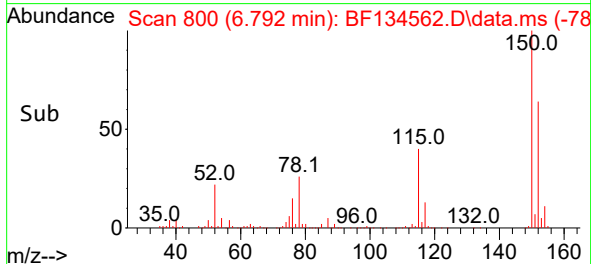
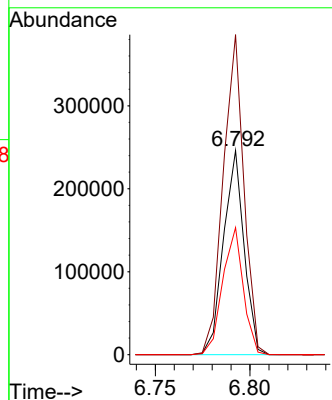
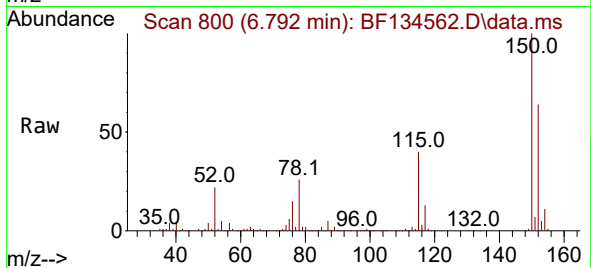




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

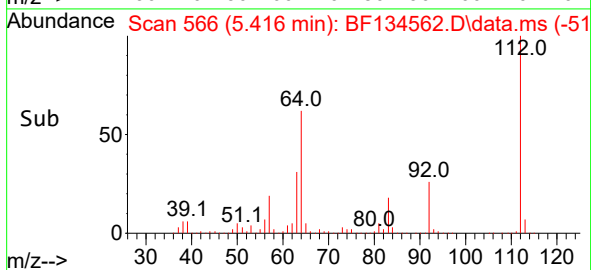
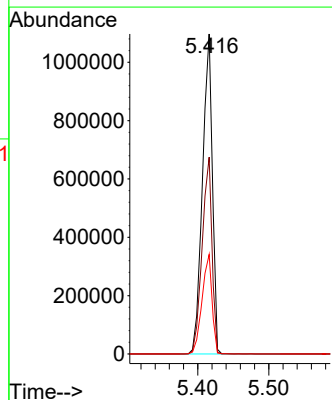
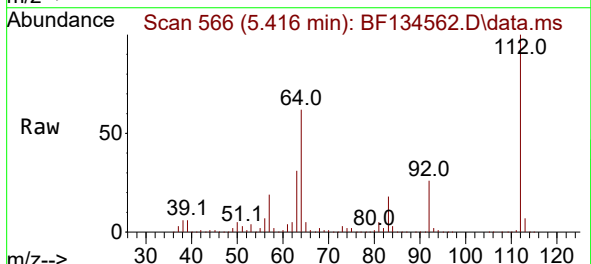
Instrument :
BNA_F
ClientSampleId :
B-P13ARE

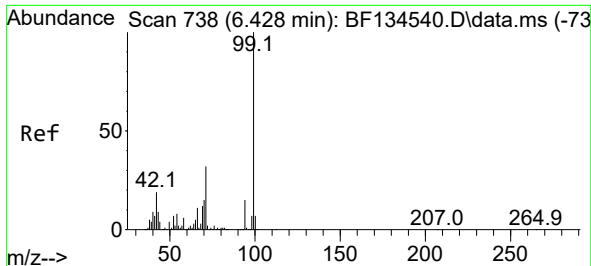
Tgt Ion:152 Resp: 186101
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 62.3 52.4 78.6



#5
2-Fluorophenol
Concen: 87.238 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion:112 Resp: 1068032
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 31.1 25.4 38.0

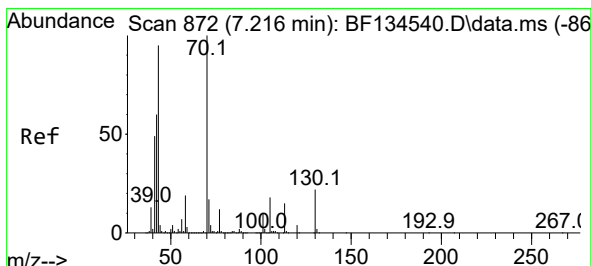
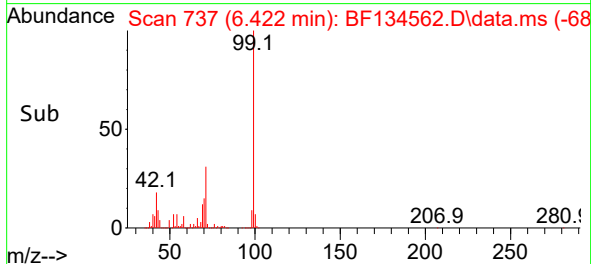
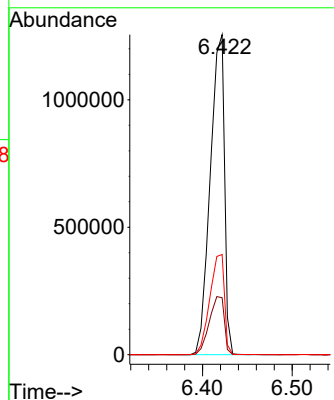
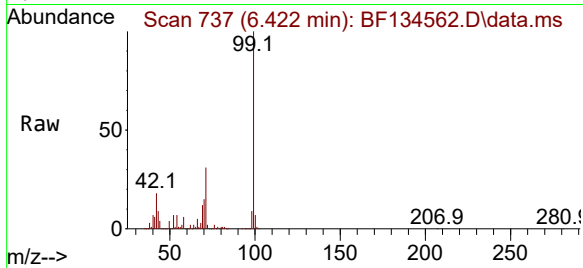




#7
Phenol-d6
Concen: 88.373 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

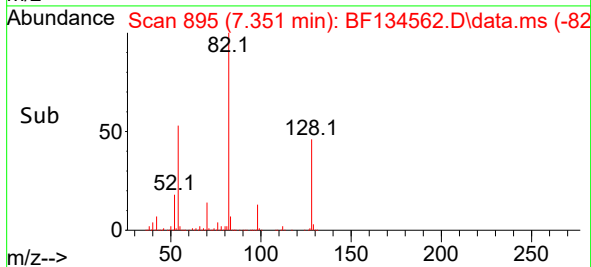
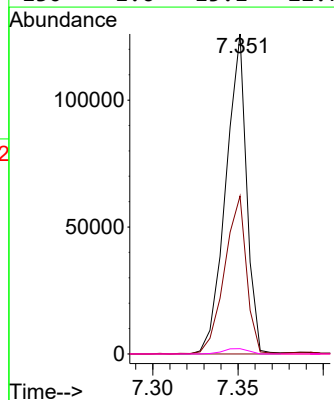
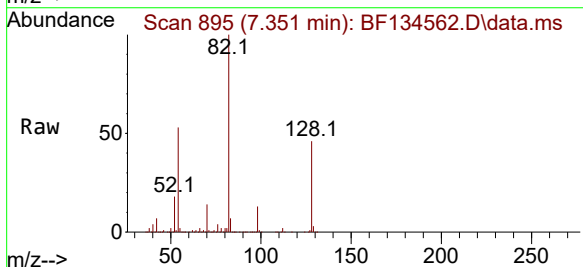
Instrument :
BNA_F
ClientSampleId :
B-P13ARE

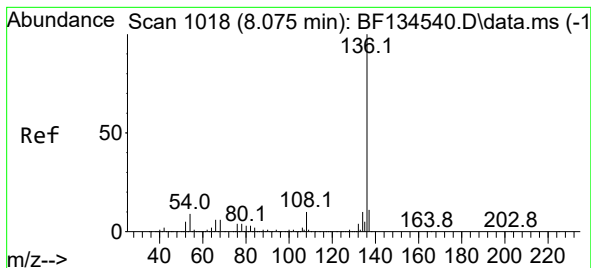
Tgt Ion: 99 Resp: 1383037
Ion Ratio Lower Upper
99 100
42 17.8 18.7 28.1#
71 31.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.418 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion: 70 Resp: 106990
Ion Ratio Lower Upper
70 100
42 49.3 54.7 82.1#
101 0.0 8.2 12.2#
130 1.6 15.1 22.7#

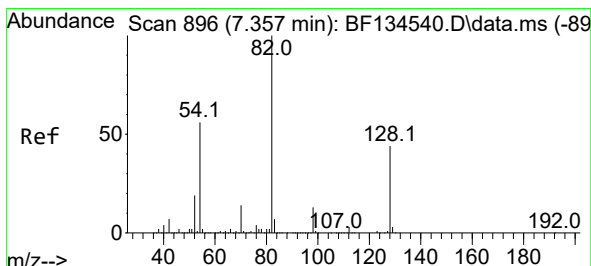
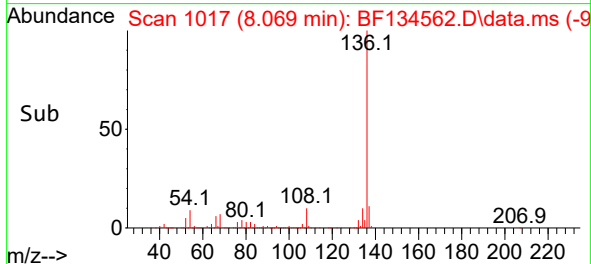
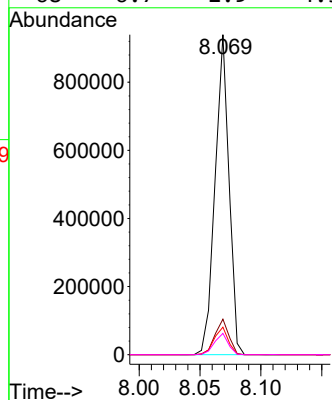
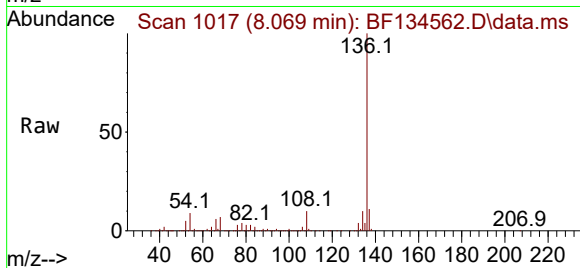




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

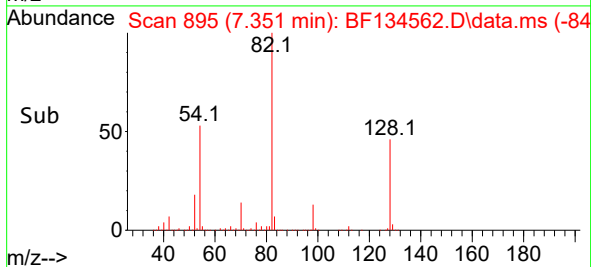
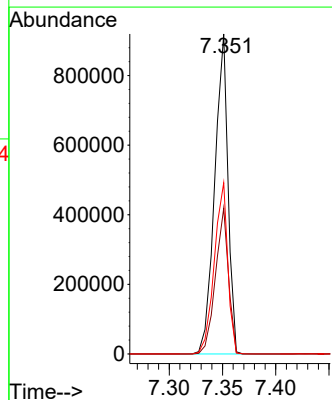
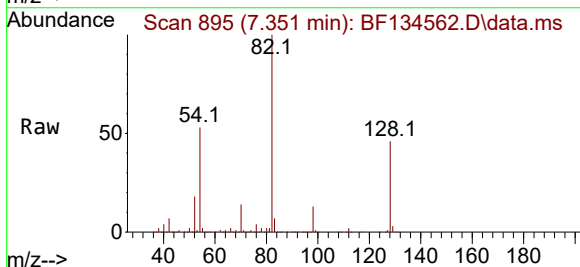
Instrument :
BNA_F
ClientSampleId :
B-P13ARE

Tgt Ion:136 Resp: 745371
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.6 5.2 7.8#
68 6.7 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 66.644 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion: 82 Resp: 794890
Ion Ratio Lower Upper
82 100
128 45.5 34.3 51.5
54 53.5 43.8 65.6

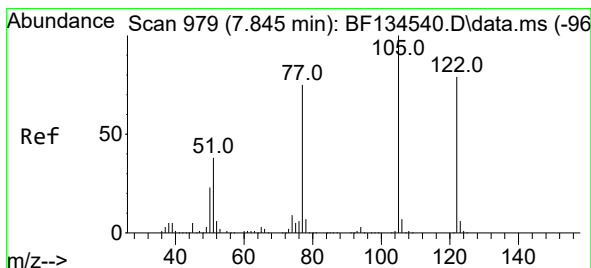
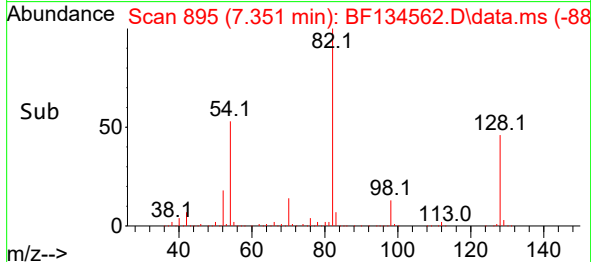
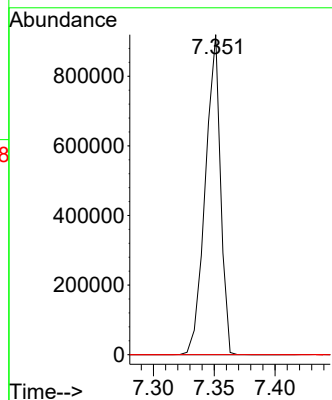
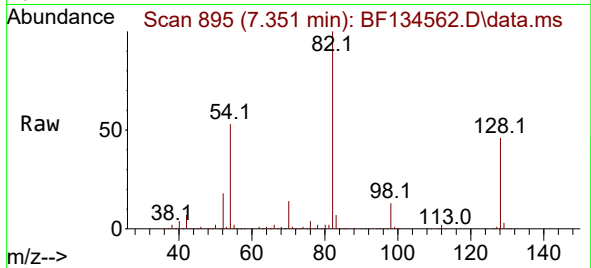




#25
Isophorone
Concen: 30.549 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

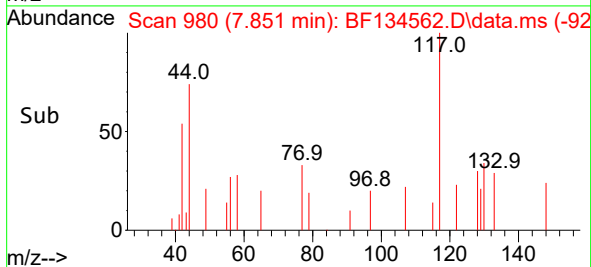
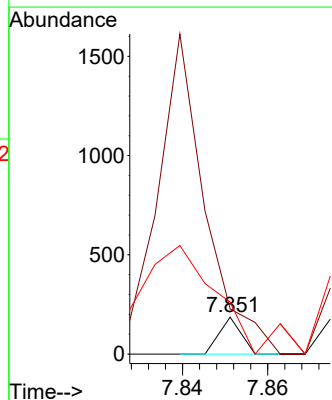
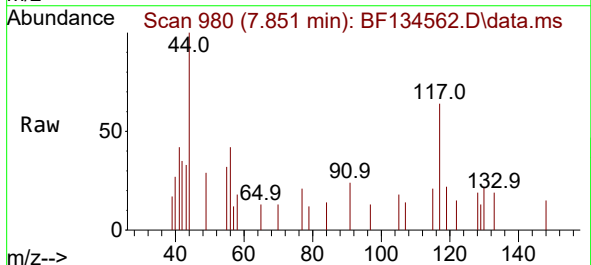
Instrument :
BNA_F
ClientSampleId :
B-P13ARE

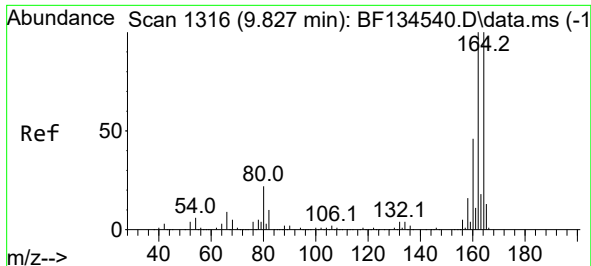
Tgt Ion: 82 Resp: 794713
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.874 ng
RT: 7.851 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 122.0 87.5 127.5
77 140.9 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

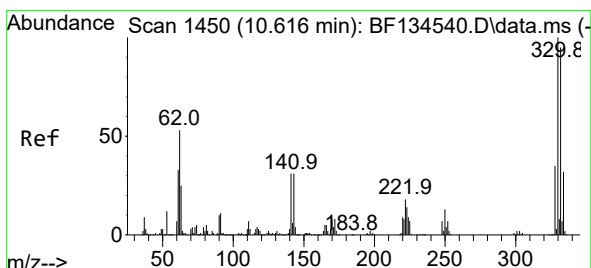
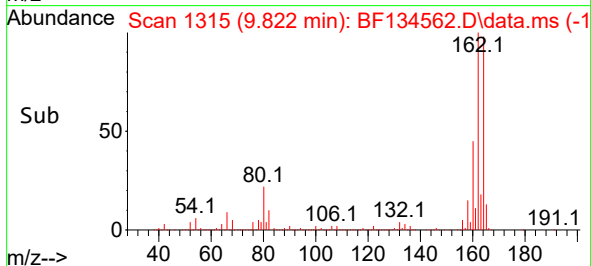
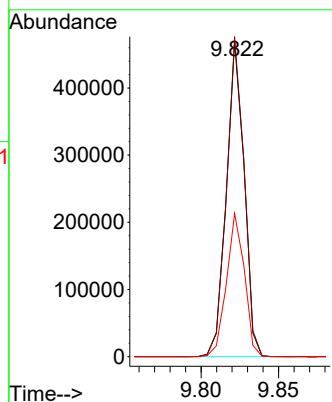
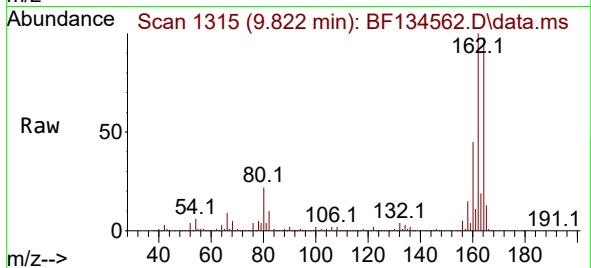
Tgt Ion:164 Resp: 373539

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

160 45.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 87.700 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

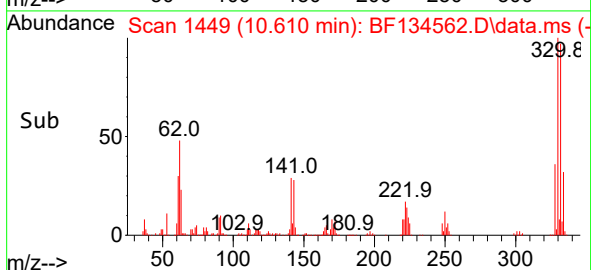
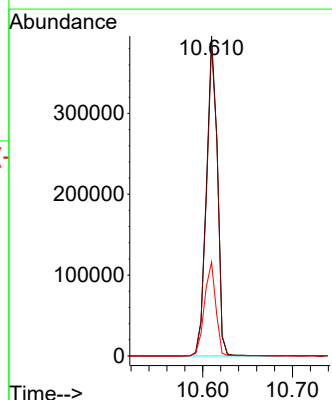
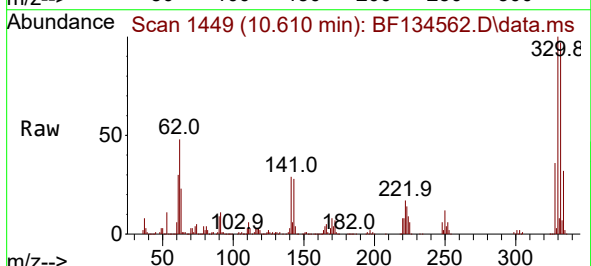
Tgt Ion:330 Resp: 333951

Ion Ratio Lower Upper

330 100

332 98.0 78.8 118.2

141 30.6 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 61.875 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

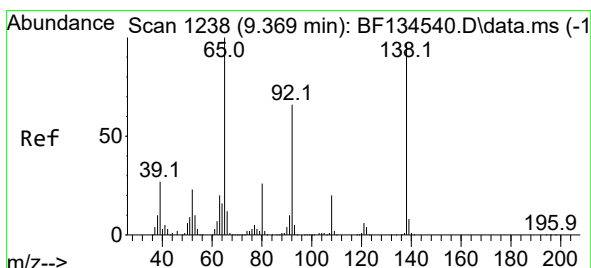
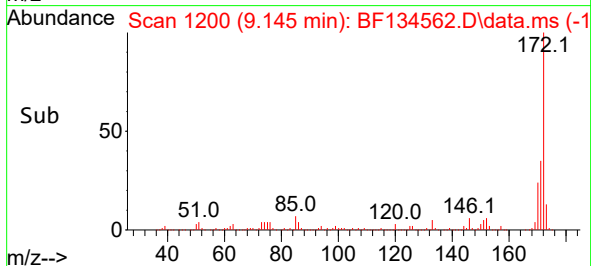
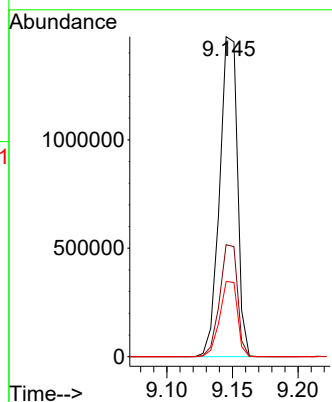
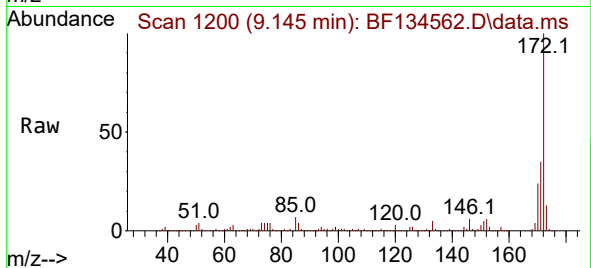
Tgt Ion:172 Resp: 1390066

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.201 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.089 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

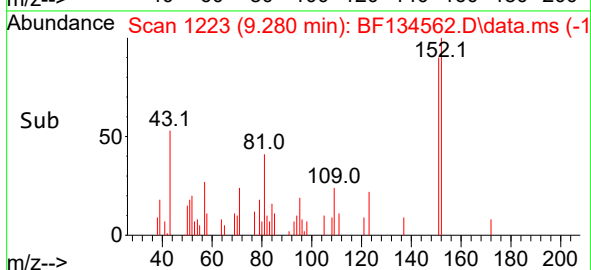
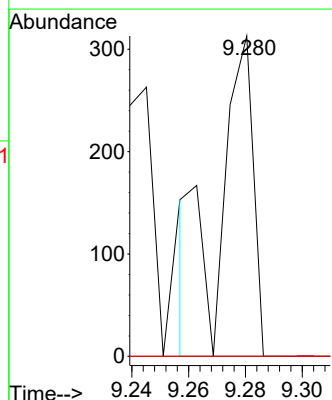
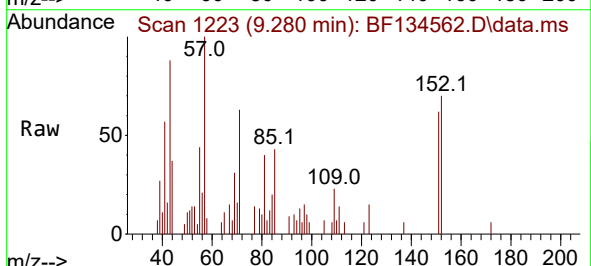
Tgt Ion: 65 Resp: 256

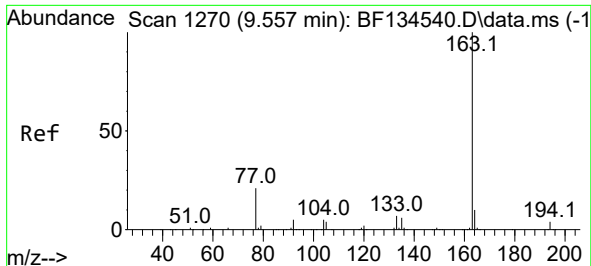
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

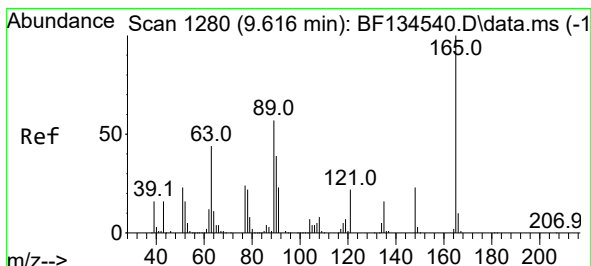
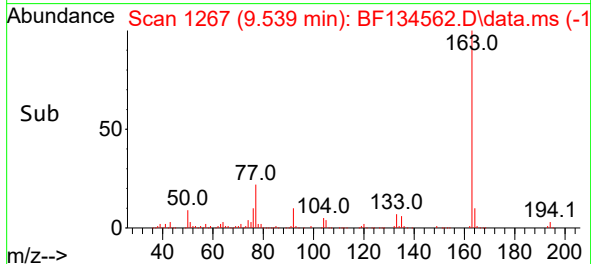
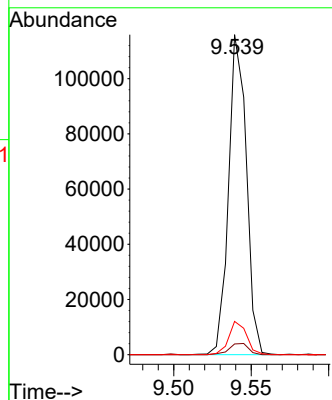
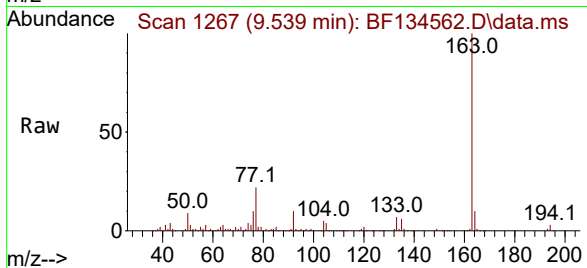




#50
Dimethylphthalate
Concen: 3.640 ng
RT: 9.539 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

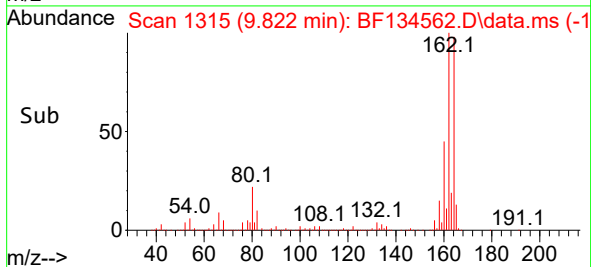
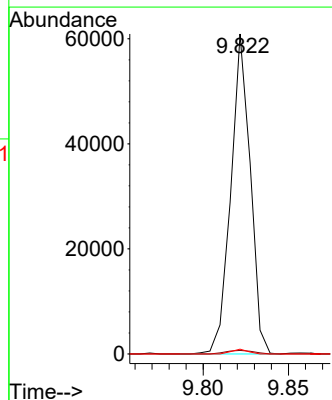
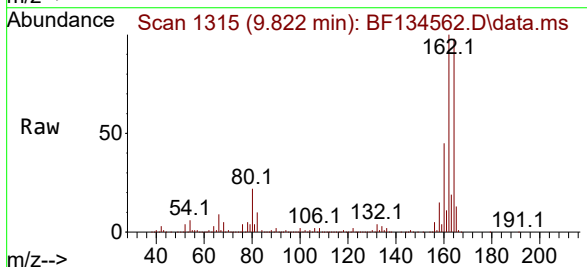
Instrument :
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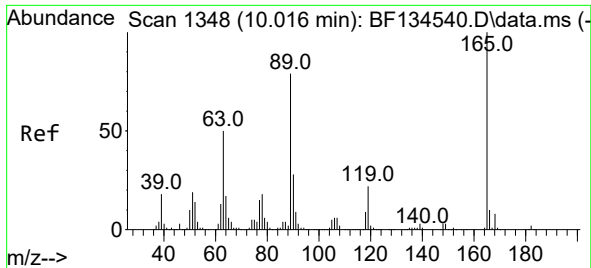
Tgt Ion:163 Resp: 92680
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 10.4 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 11.294 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion:165 Resp: 48415
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.5 51.8 77.8#

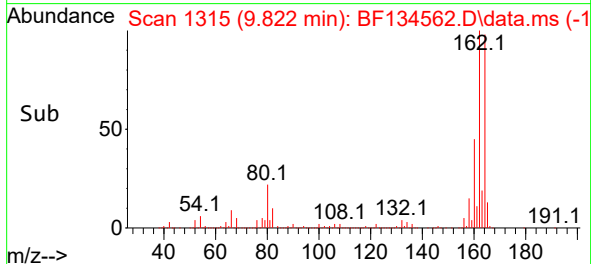
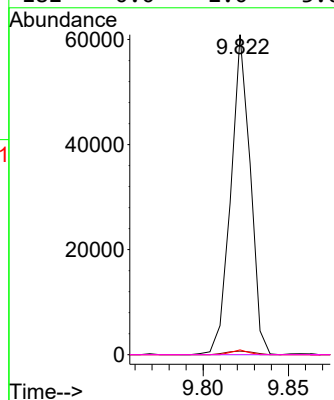
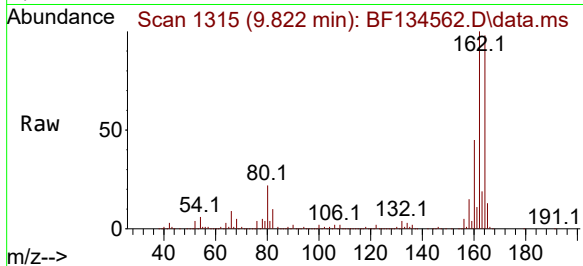




#57
2,4-Dinitrotoluene
Concen: 10.079 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

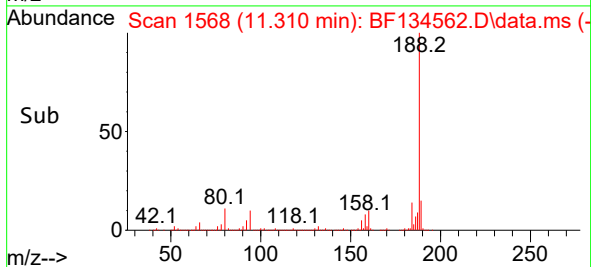
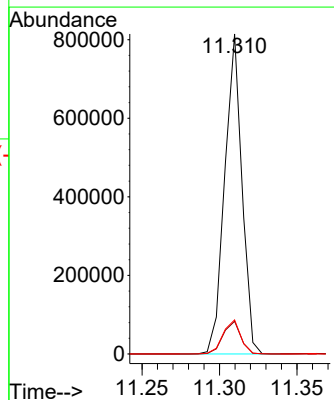
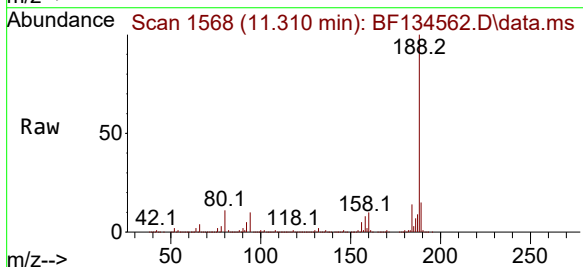
Instrument :
BNA_F
ClientSampleId :
B-P13ARE

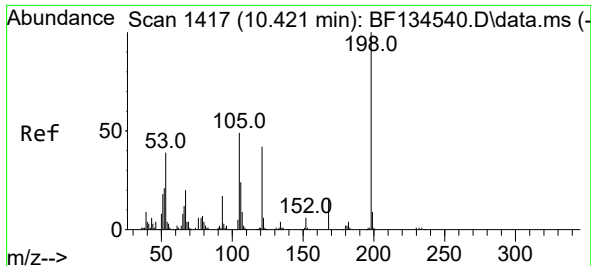
Tgt Ion:165 Resp: 48415
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.5 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF134562.D
Acq: 01 Aug 2023 22:34

Tgt Ion:188 Resp: 629035
Ion Ratio Lower Upper
188 100
94 10.2 5.1 7.7#
80 10.6 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.949 ng

RT: 10.610 min Scan# 1417

Delta R.T. 0.189 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

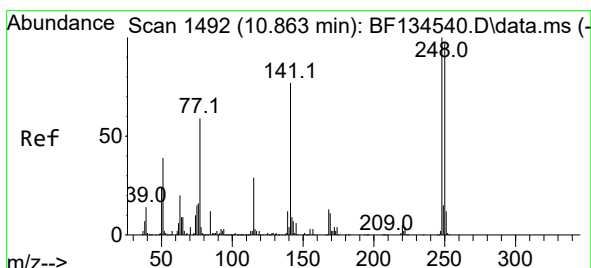
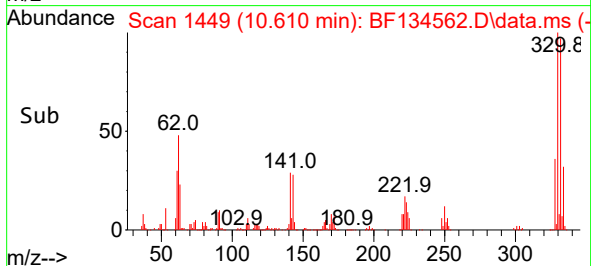
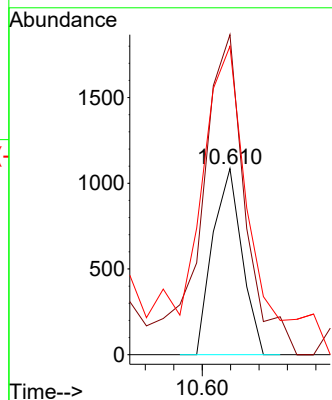
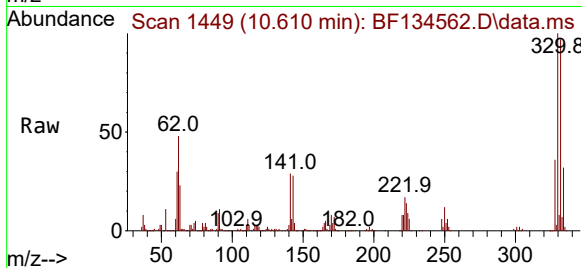
Tgt Ion:198 Resp: 776

Ion Ratio Lower Upper

198 100

51 171.9 38.6 78.6#

105 165.7 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 3.004 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

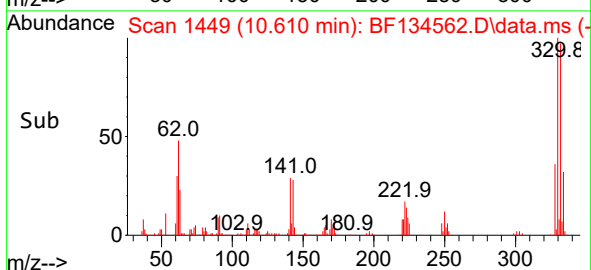
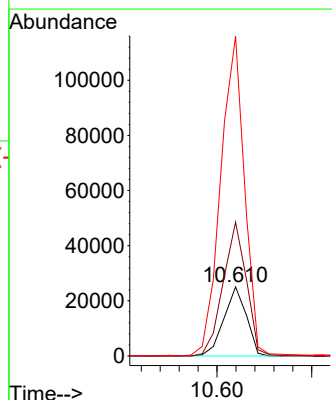
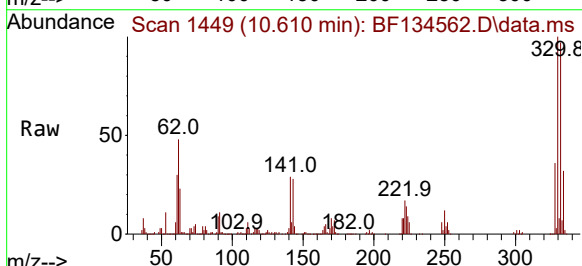
Tgt Ion:248 Resp: 20686

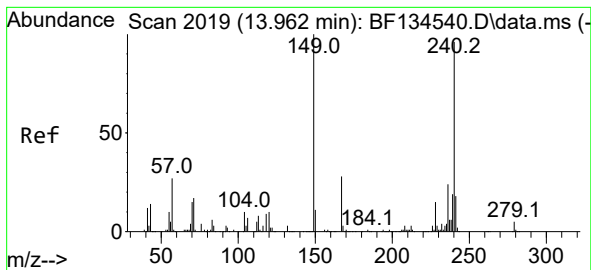
Ion Ratio Lower Upper

248 100

250 194.0 79.6 119.4#

141 463.4 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

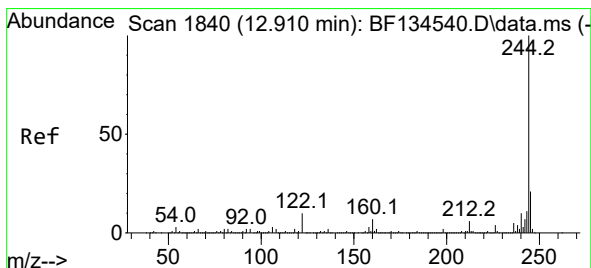
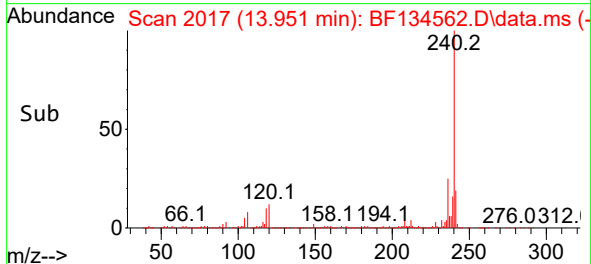
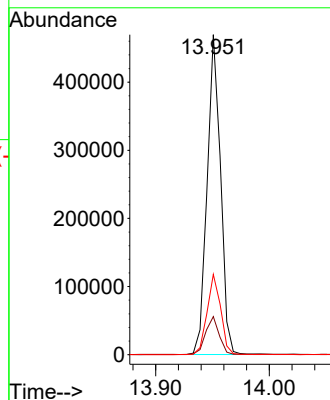
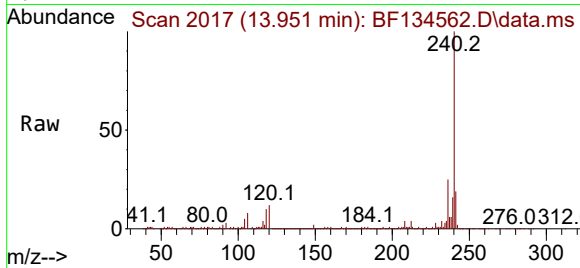
Tgt Ion:240 Resp: 384494

Ion Ratio Lower Upper

240 100

120 11.9 6.6 10.0#

236 25.1 20.2 30.2



#79

Terphenyl-d14

Concen: 59.150 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

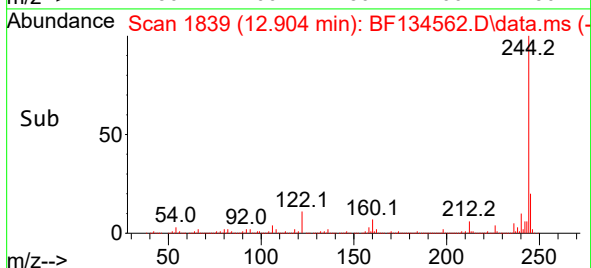
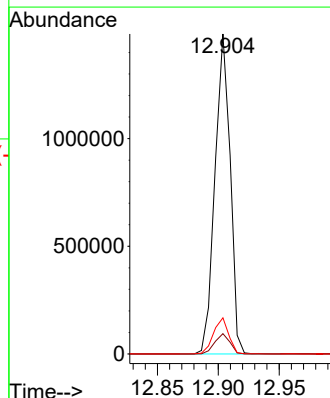
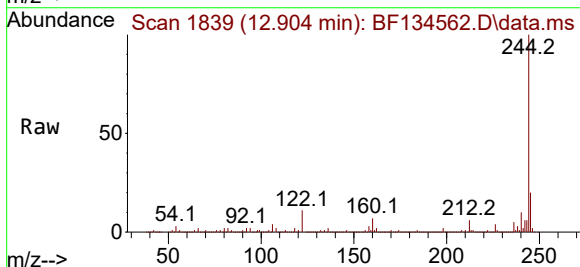
Tgt Ion:244 Resp: 1290115

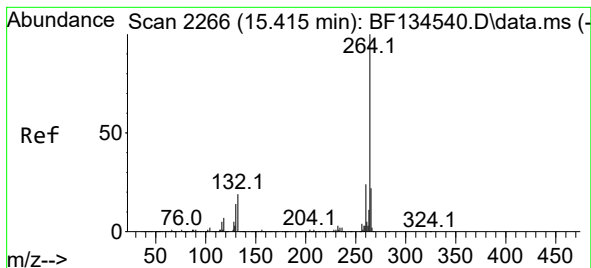
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 11.3 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

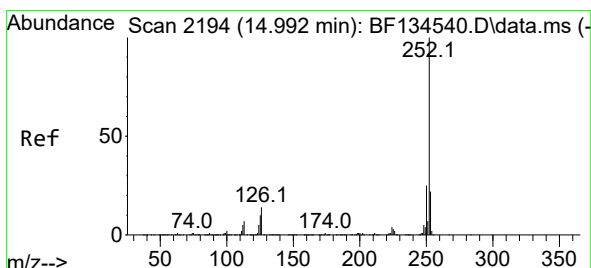
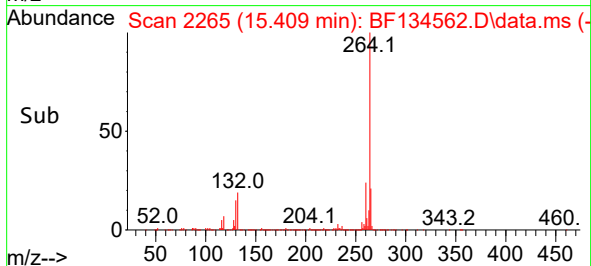
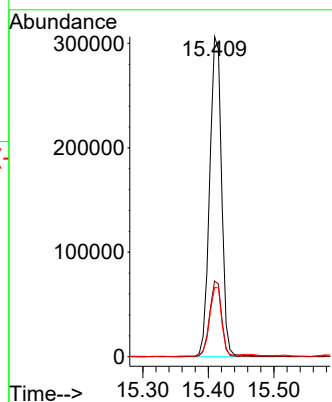
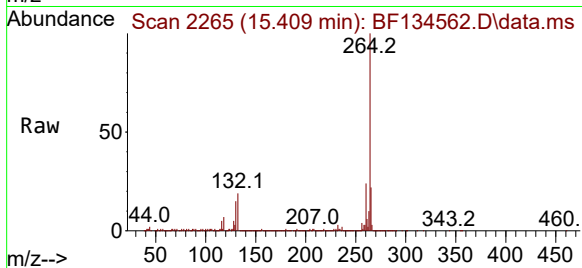
Tgt Ion:264 Resp: 388740

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.6 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.667 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.012 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

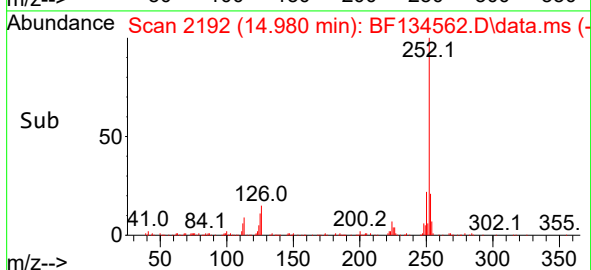
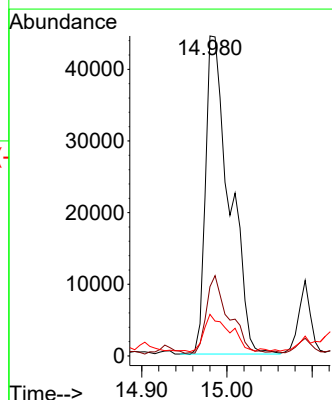
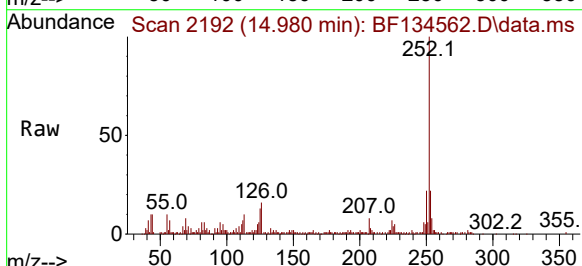
Tgt Ion:252 Resp: 86939

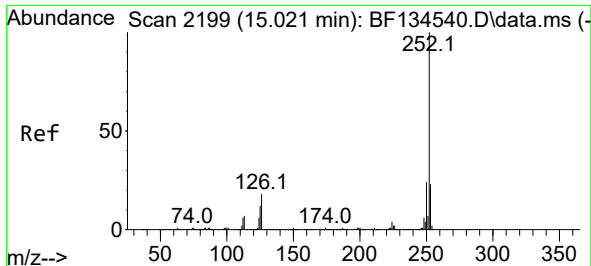
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 13.0 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.681 ng

RT: 14.980 min Scan# 2199

Delta R.T. -0.041 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Instrument :

BNA_F

ClientSampleId :

B-P13ARE

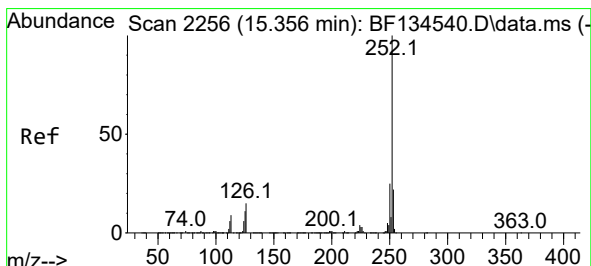
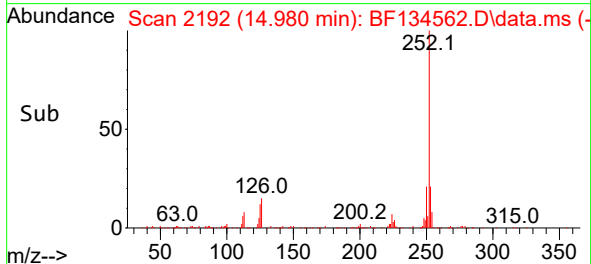
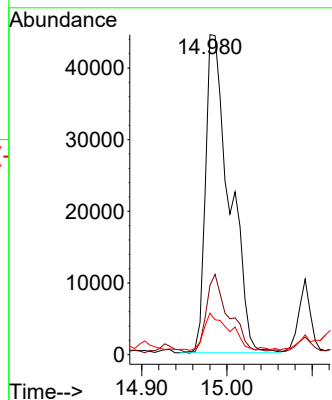
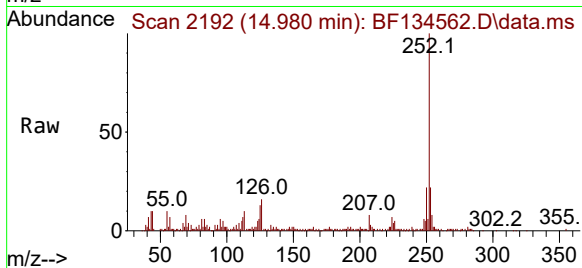
Tgt Ion:252 Resp: 86939

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 13.0 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 2.112 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.012 min

Lab File: BF134562.D

Acq: 01 Aug 2023 22:34

Tgt Ion:252 Resp: 46695

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

125 13.0 6.2 9.4#

