

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134771.D
 Acq On : 14 Aug 2023 21:26
 Operator : CG\JU
 Sample : 03972-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 356

Quant Time: Aug 15 00:35:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

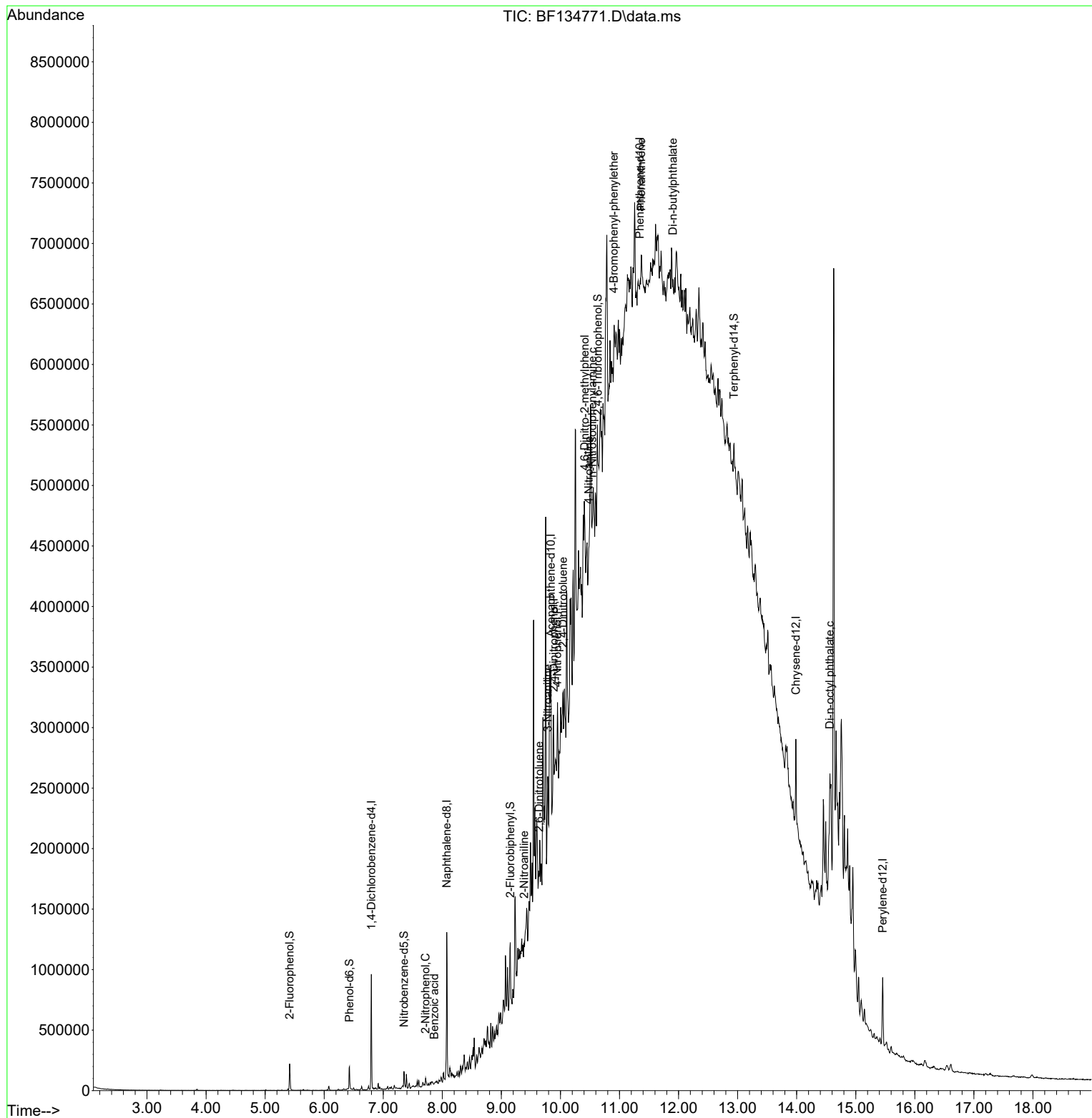
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	128902	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	477385	20.000	ng	# 0.00
39) Acenaphthene-d10	9.839	164	193153	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	172750	20.000	ng	# 0.02
76) Chrysene-d12	13.986	240	230126	20.000	ng	# 0.01
86) Perylene-d12	15.457	264	265405	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	58248	6.869	ng	-0.01
7) Phenol-d6	6.428	99	69407	6.403	ng	-0.01
23) Nitrobenzene-d5	7.351	82	42283	5.535	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	11731	5.958	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	92133	7.931	ng	-0.01
79) Terphenyl-d14	12.939	244	55592	4.259	ng	0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.357	77	181	Below Cal	#	1
26) 2-Nitrophenol	7.716	139	615	4.950	ng	# 1
32) Benzoic acid	7.863	122	132	7.890	ng	# 33
48) 2-Nitroaniline	9.386	65	2641	3.869	ng	# 28
51) 2,6-Dinitrotoluene	9.639	165	13917	7.387	ng	# 23
53) 3-Nitroaniline	9.786	138	19298	6.577	ng	# 20
54) 2,4-Dinitrophenol	9.886	184	617	7.549	ng	# 1
56) 4-Nitrophenol	9.945	139	7401	3.084	ng	# 1
57) 2,4-Dinitrotoluene	10.045	165	7838	5.114	ng	# 48
62) 4-Nitroaniline	10.480	138	7802	2.713	ng	# 85
65) 4,6-Dinitro-2-methylph...	10.410	198	3564	12.878	ng	# 1
66) n-Nitrosodiphenylamine	10.539	169	22583	4.107	ng	# 58
67) 4-Bromophenyl-phenylether	10.904	248	3967	2.098	ng	# 1
71) Phenanthrene	11.369	178	96151	10.479	ng	# 53
74) Di-n-butylphthalate	11.904	149	46239	5.201	ng	# 30
85) Di-n-octyl phthalate	14.563	149	682810	56.664	ng	# 54

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

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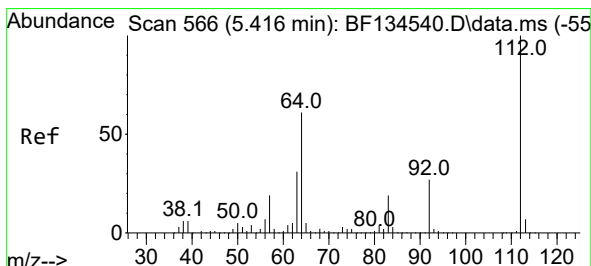
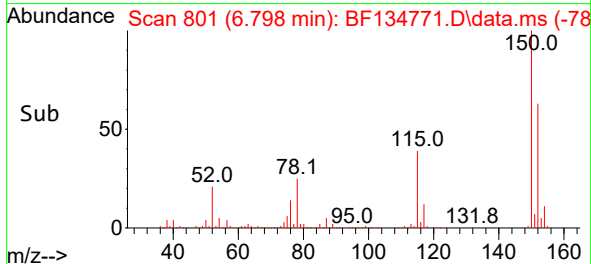
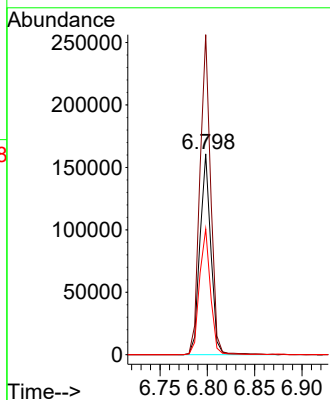
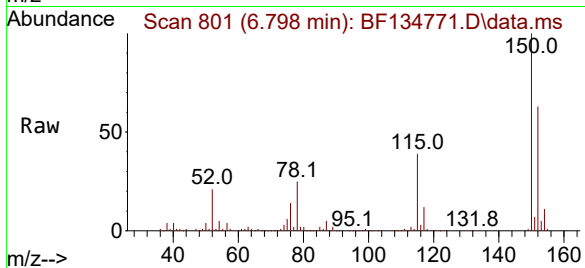




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF134771.D
 Acq: 14 Aug 2023 21:26

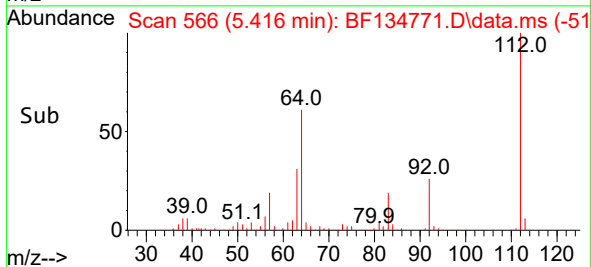
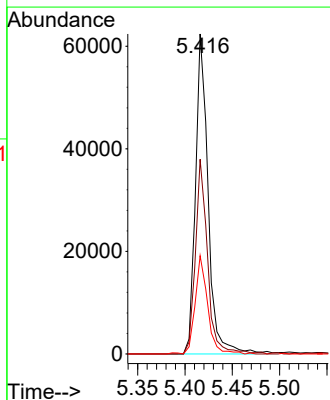
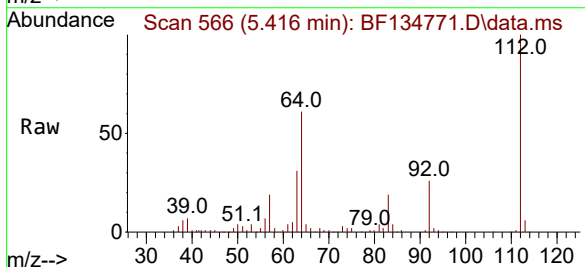
Instrument :
 BNA_F
 ClientSampleId :
 356

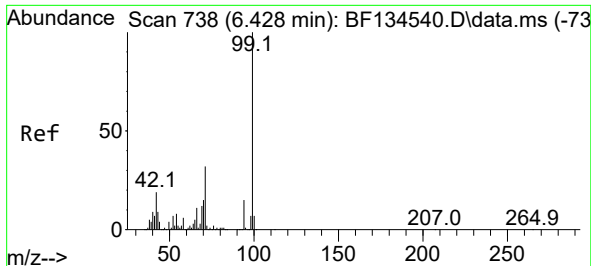
Tgt Ion:152 Resp: 128902
 Ion Ratio Lower Upper
 152 100
 150 159.4 128.3 192.5
 115 62.6 52.4 78.6



#5
 2-Fluorophenol
 Concen: 6.869 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.012 min
 Lab File: BF134771.D
 Acq: 14 Aug 2023 21:26

Tgt Ion:112 Resp: 58248
 Ion Ratio Lower Upper
 112 100
 64 60.9 44.9 67.3
 63 30.7 25.4 38.0





#7
Phenol-d6
Concen: 6.403 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

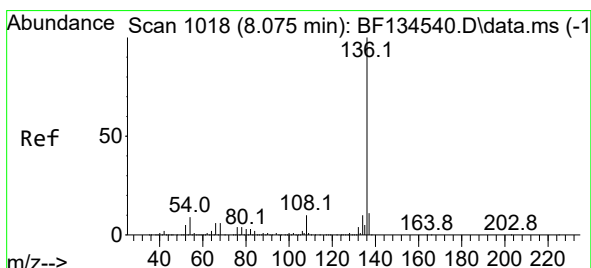
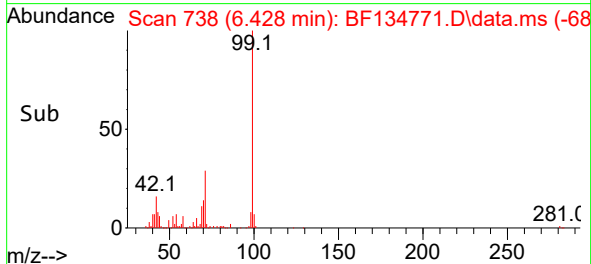
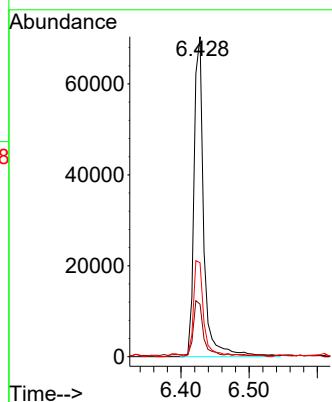
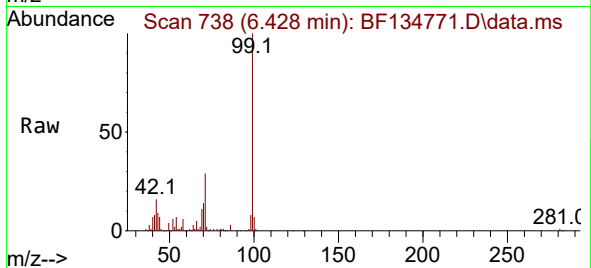
Instrument :

BNA_F

ClientSampleId :

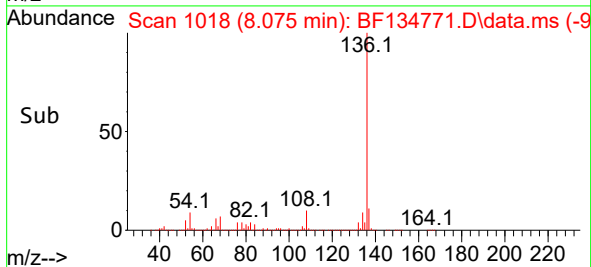
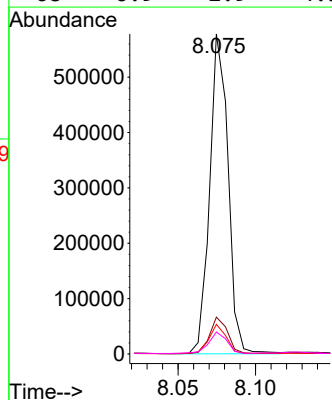
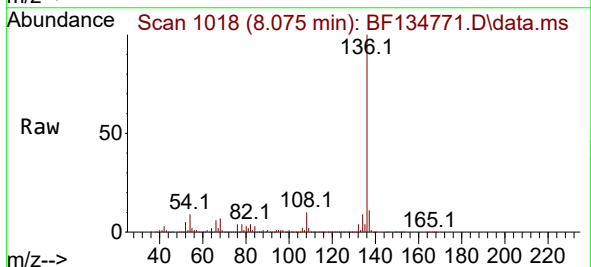
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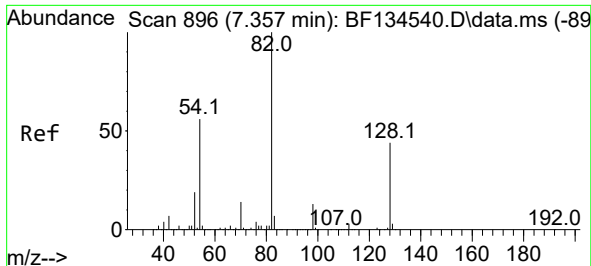
Tgt Ion: 99 Resp: 69407
Ion Ratio Lower Upper
99 100
42 16.4 18.7 28.1#
71 29.4 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:136 Resp: 477385
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 9.2 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.535 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

356

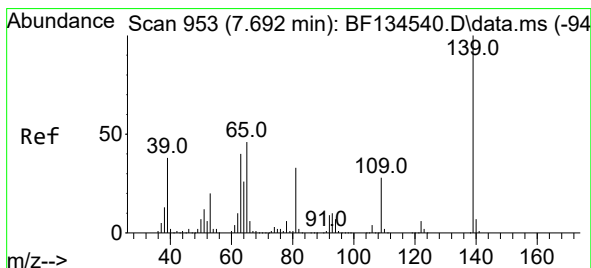
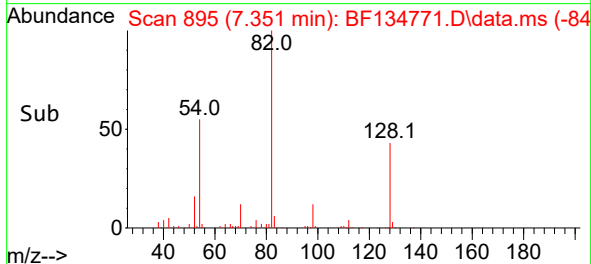
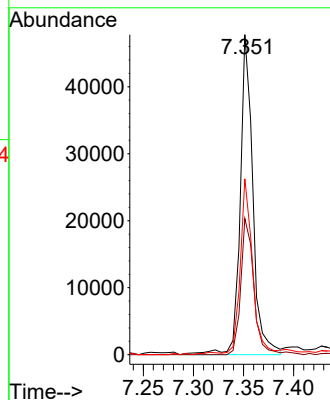
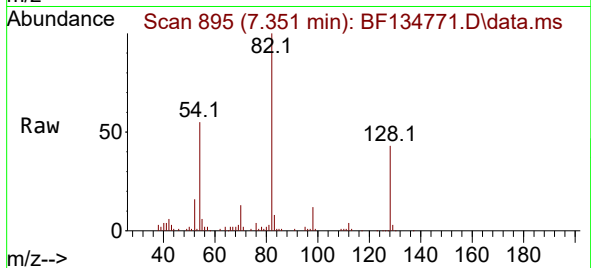
Tgt Ion: 82 Resp: 42283

Ion Ratio Lower Upper

82 100

128 42.5 34.3 51.5

54 54.9 43.8 65.6



#26

2-Nitrophenol

Concen: 4.950 ng

RT: 7.716 min Scan# 957

Delta R.T. 0.018 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

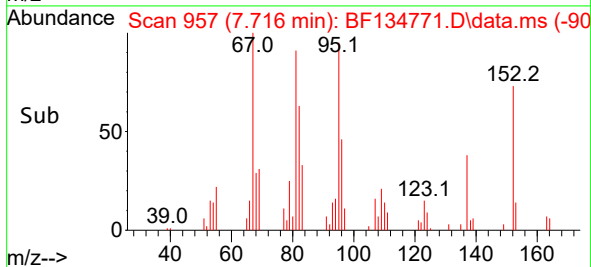
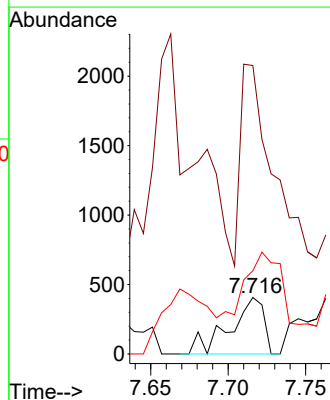
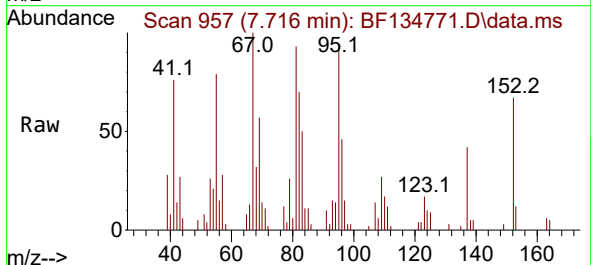
Tgt Ion:139 Resp: 615

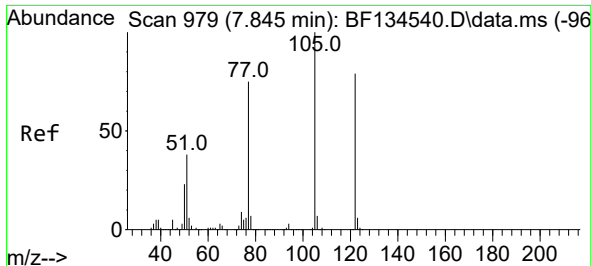
Ion Ratio Lower Upper

139 100

109 510.3 29.8 44.6#

65 147.2 45.4 68.2#

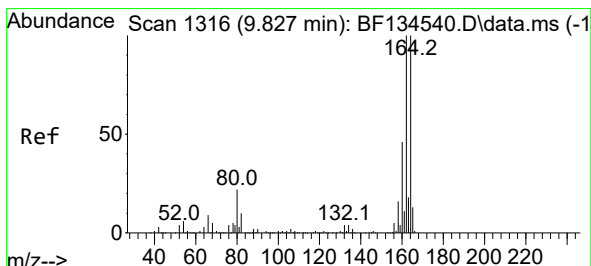
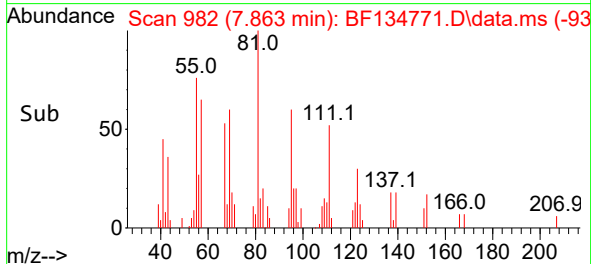
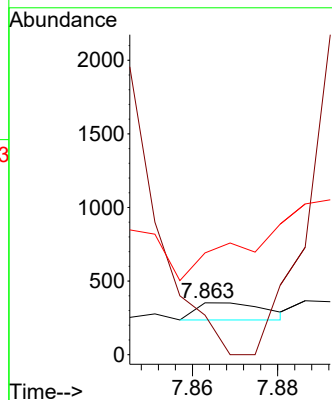
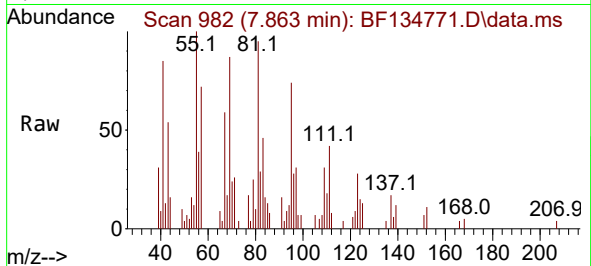




#32
Benzoic acid
Concen: 7.890 ng
RT: 7.863 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

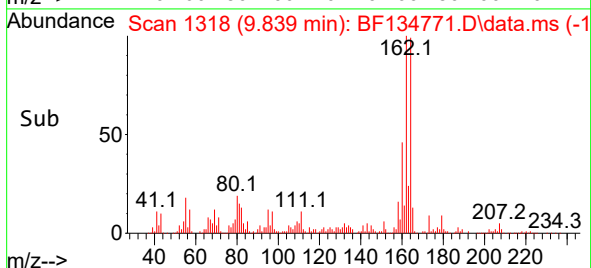
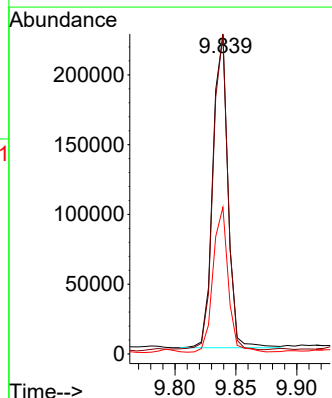
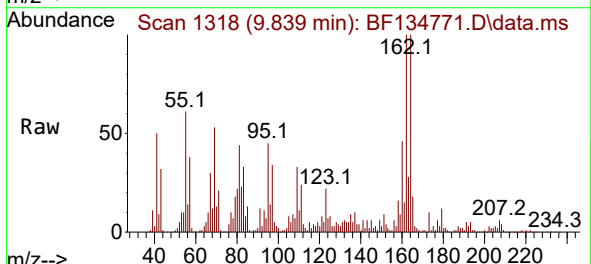
Instrument :
BNA_F
ClientSampleId :
356

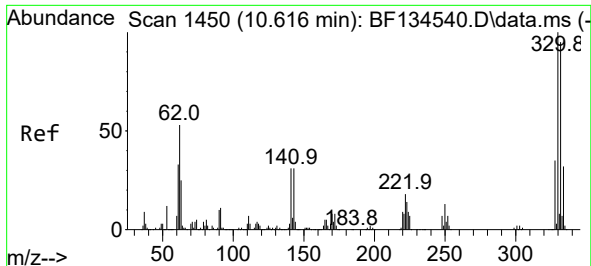
Tgt Ion:122 Resp: 132
Ion Ratio Lower Upper
122 100
105 76.4 87.5 127.5#
77 196.6 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:164 Resp: 193153
Ion Ratio Lower Upper
164 100
162 100.4 82.6 123.8
160 46.0 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 5.958 ng

RT: 10.633 min Scan# 1450

Delta R.T. 0.006 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

356

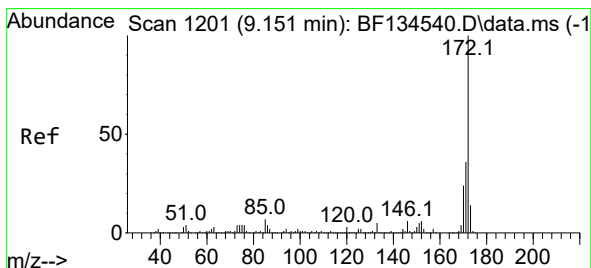
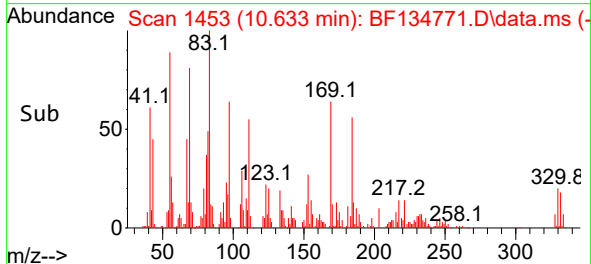
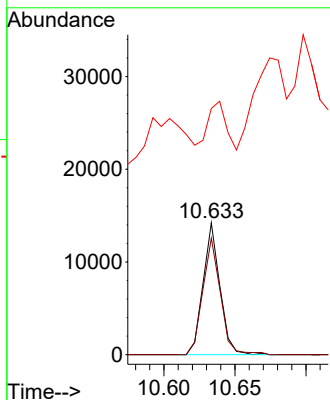
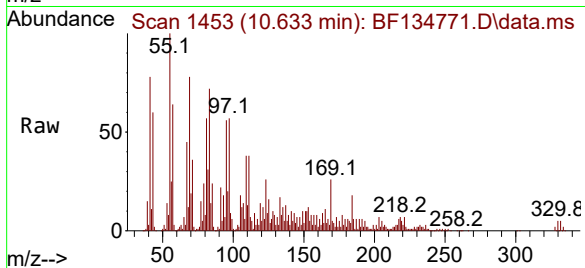
Tgt Ion:330 Resp: 11731

Ion Ratio Lower Upper

330 100

332 92.8 78.8 118.2

141 37.9 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 7.931 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

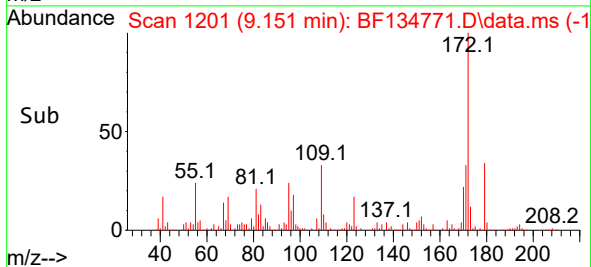
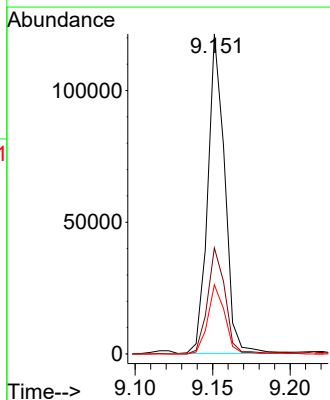
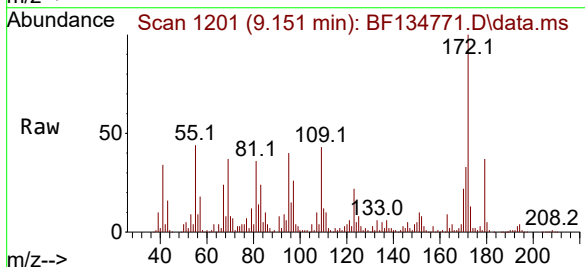
Tgt Ion:172 Resp: 92133

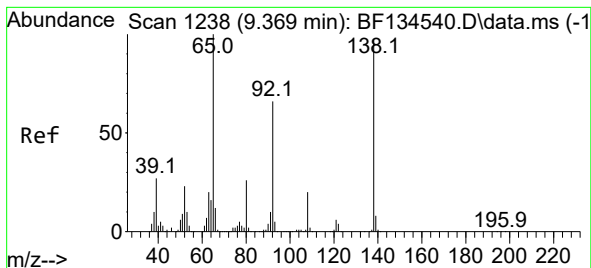
Ion Ratio Lower Upper

172 100

171 33.1 28.8 43.2

170 21.6 18.7 28.1





#48

2-Nitroaniline

Concen: 3.869 ng

RT: 9.386 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

356

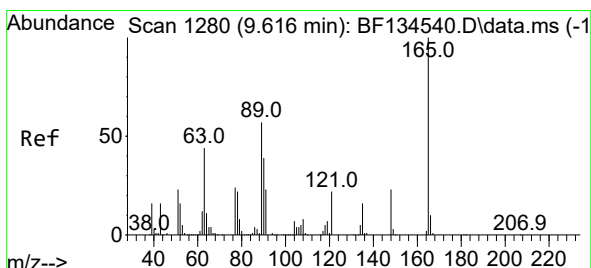
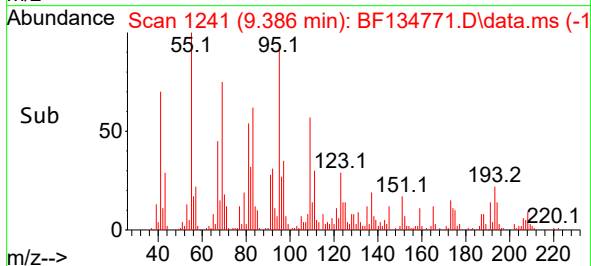
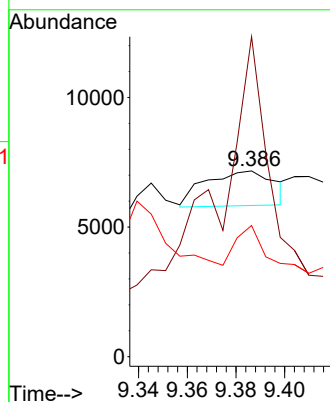
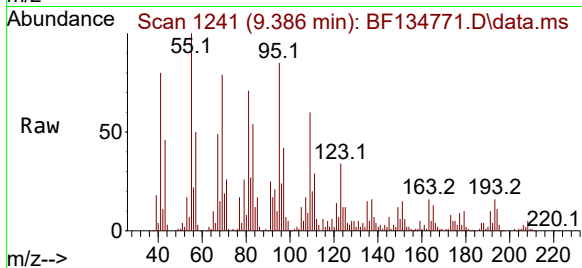
Tgt Ion: 65 Resp: 2641

Ion Ratio Lower Upper

65 100

92 172.3 50.7 76.1#

138 70.6 78.2 117.4#



#51

2,6-Dinitrotoluene

Concen: 7.387 ng

RT: 9.639 min Scan# 1284

Delta R.T. 0.012 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

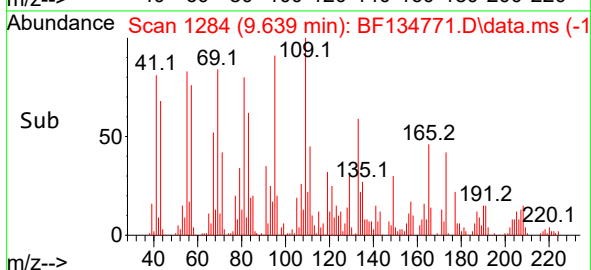
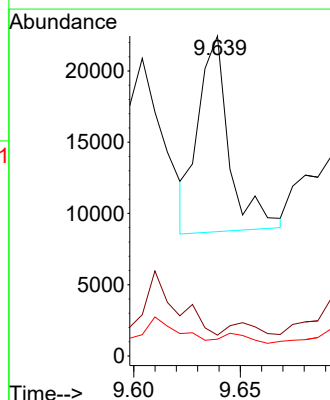
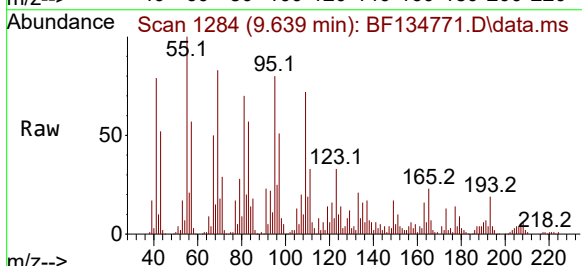
Tgt Ion: 165 Resp: 13917

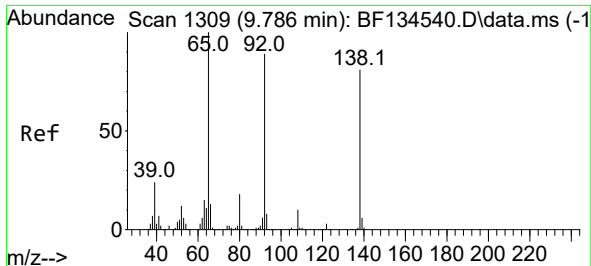
Ion Ratio Lower Upper

165 100

63 6.5 57.8 86.6#

89 5.3 51.8 77.8#

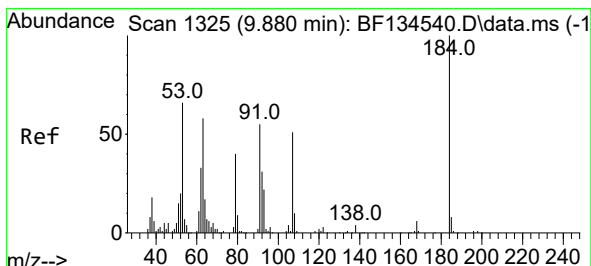
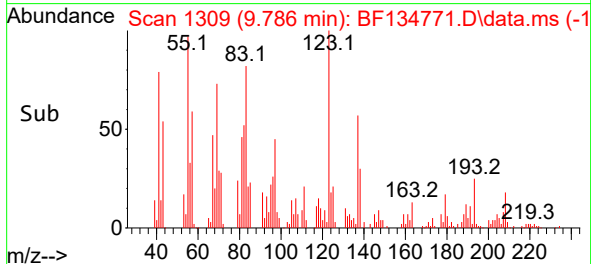
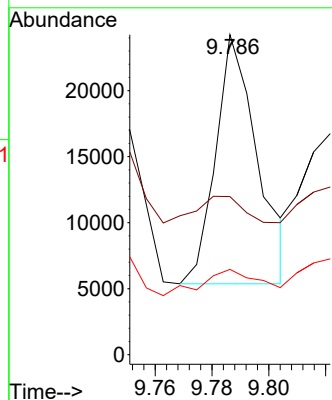
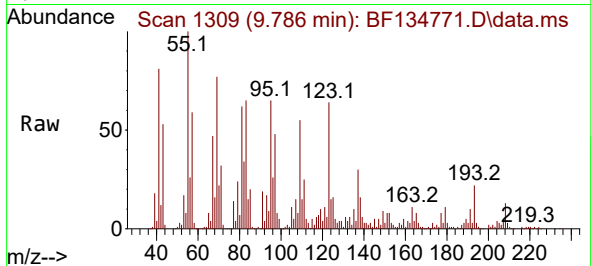




#53
3-Nitroaniline
Concen: 6.577 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

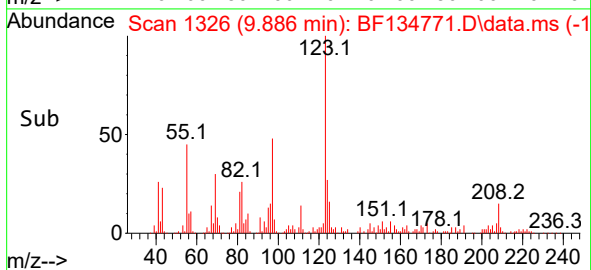
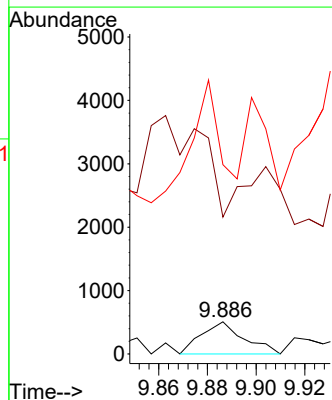
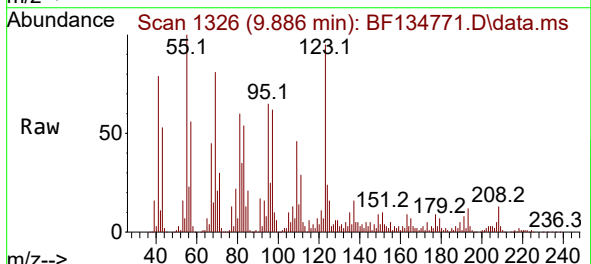
Instrument :
BNA_F
ClientSampleId :
356

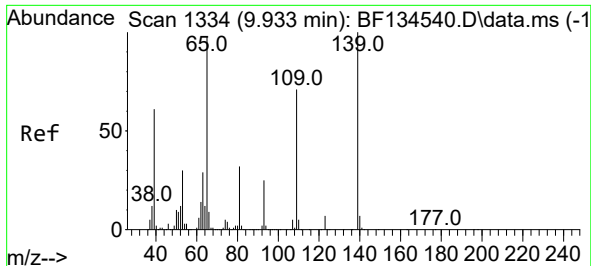
Tgt Ion:138 Resp: 19298
Ion Ratio Lower Upper
138 100
108 49.4 9.3 13.9#
92 26.6 86.6 129.8#



#54
2,4-Dinitrophenol
Concen: 7.549 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:184 Resp: 617
Ion Ratio Lower Upper
184 100
63 425.8 57.1 85.7#
154 589.2 59.1 88.7#

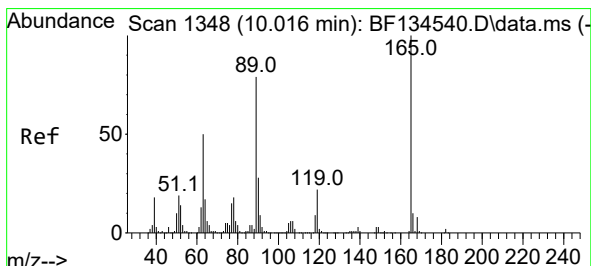
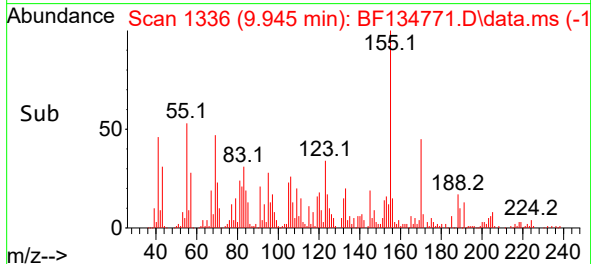
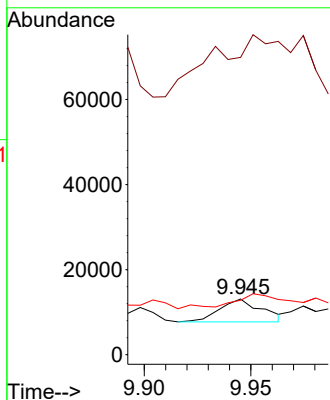
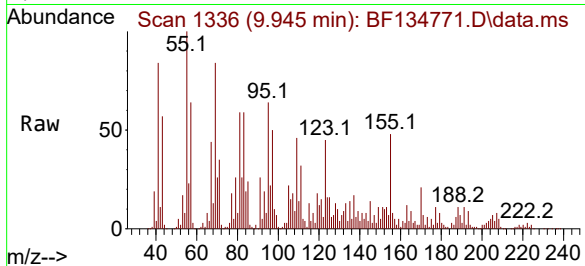




#56
4-Nitrophenol
Concen: 3.084 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

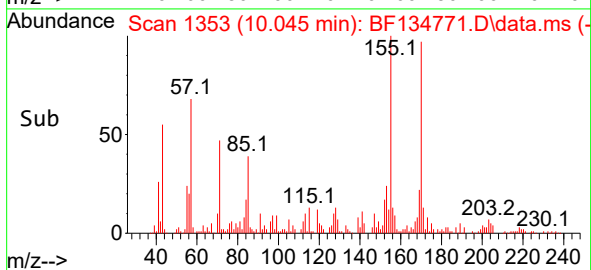
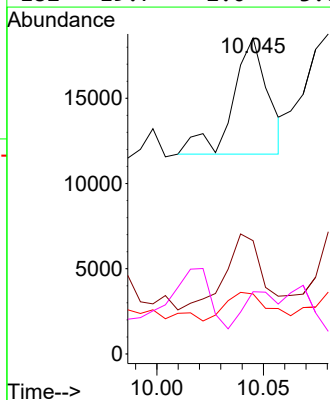
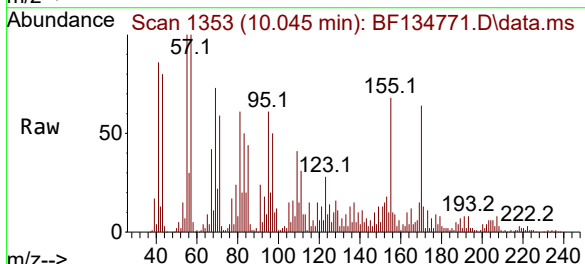
Instrument :
BNA_F
ClientSampleId :
356

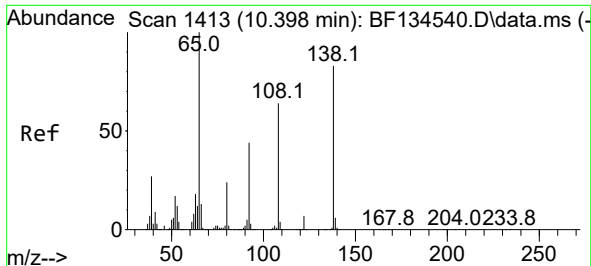
Tgt Ion:139 Resp: 7401
Ion Ratio Lower Upper
139 100
109 533.4 76.9 116.9#
65 97.7 98.5 138.5#



#57
2,4-Dinitrotoluene
Concen: 5.114 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.018 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:165 Resp: 7838
Ion Ratio Lower Upper
165 100
63 35.9 48.9 73.3#
89 19.0 61.7 92.5#
182 19.7 2.0 3.0#

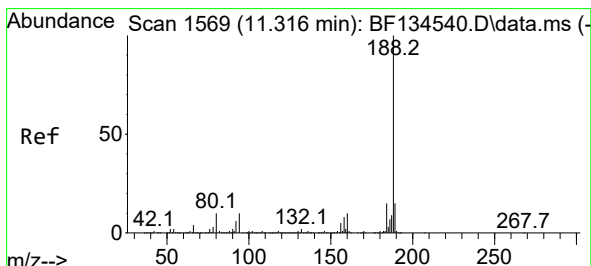
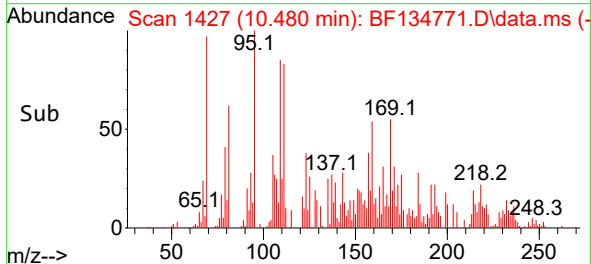
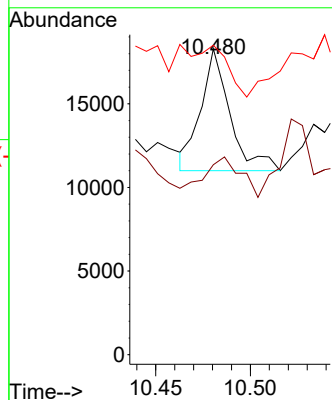
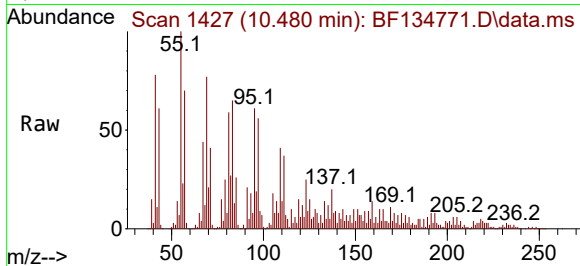




#62
4-Nitroaniline
Concen: 2.713 ng
RT: 10.480 min Scan# 1413
Delta R.T. 0.071 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

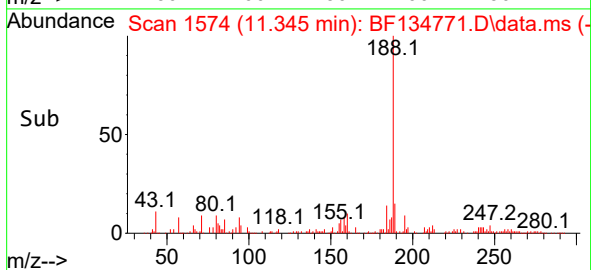
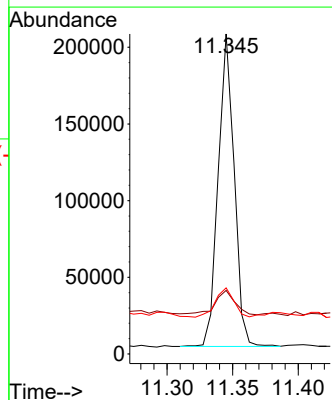
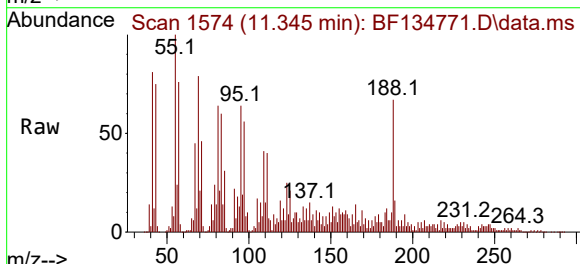
Instrument :
BNA_F
ClientSampleId :
356

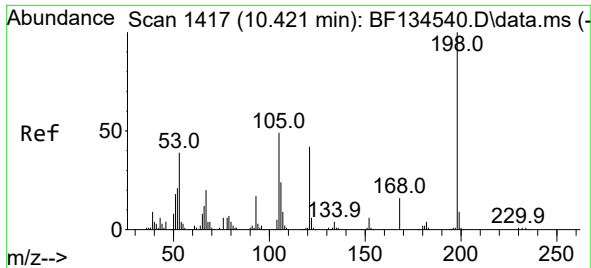
Tgt Ion:138 Resp: 7802
Ion Ratio Lower Upper
138 100
92 62.1 27.0 67.0
108 101.1 70.4 110.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.024 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:188 Resp: 172750
Ion Ratio Lower Upper
188 100
94 19.8 5.1 7.7#
80 20.7 6.6 9.8#

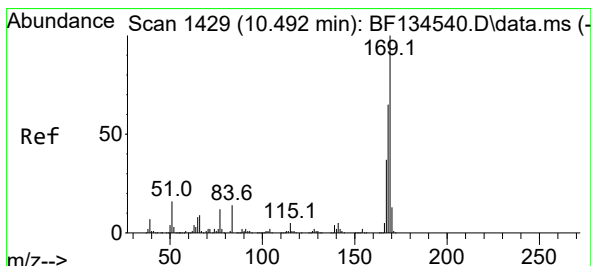
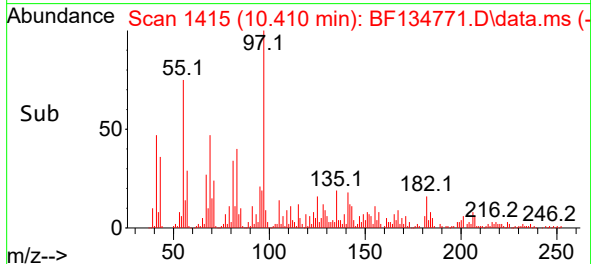
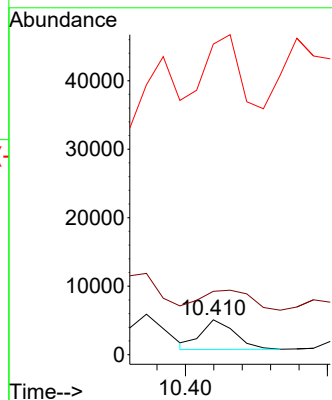
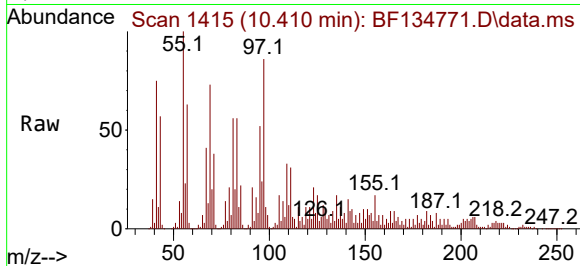




#65
4,6-Dinitro-2-methylphenol
Concen: 12.878 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.029 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

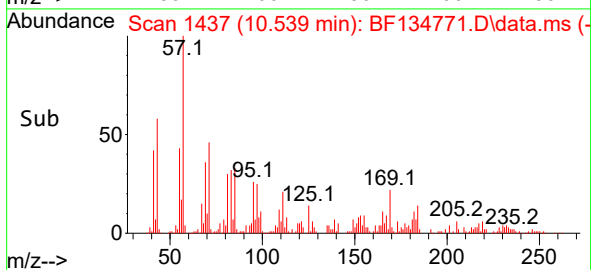
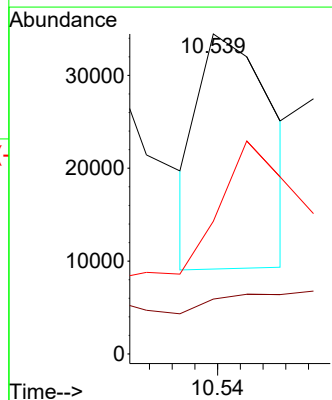
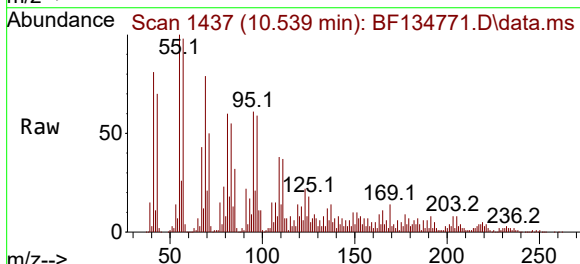
Instrument :
BNA_F
ClientSampleId :
356

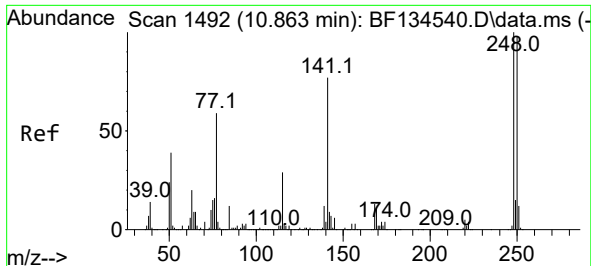
Tgt Ion:198 Resp: 3564
Ion Ratio Lower Upper
198 100
51 182.1 38.6 78.6#
105 891.9 27.9 67.9#



#66
n-Nitrosodiphenylamine
Concen: 4.107 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.035 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:169 Resp: 22583
Ion Ratio Lower Upper
169 100
168 17.2 52.6 78.8#
167 41.4 29.8 44.8

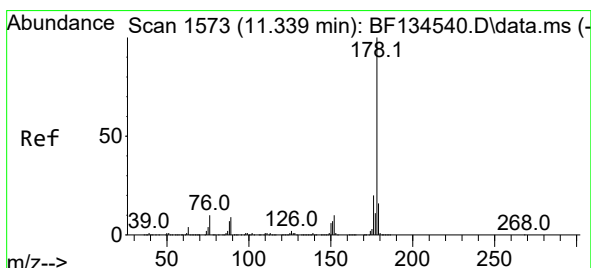
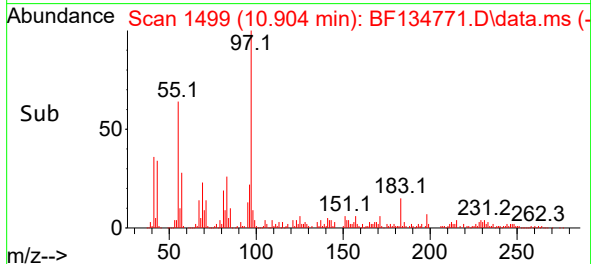
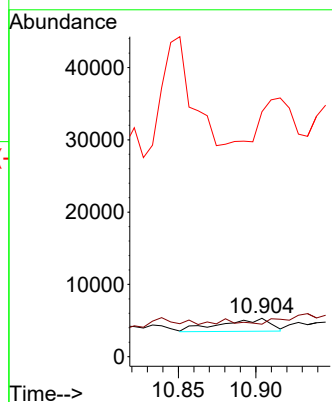
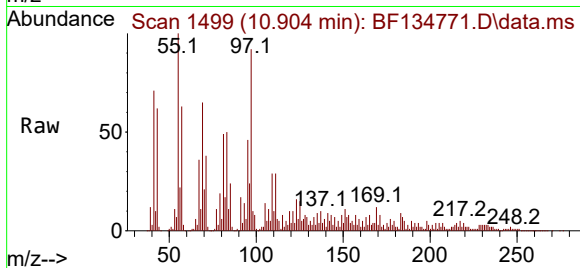




#67
4-Bromophenyl-phenylether
Concen: 2.098 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.035 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

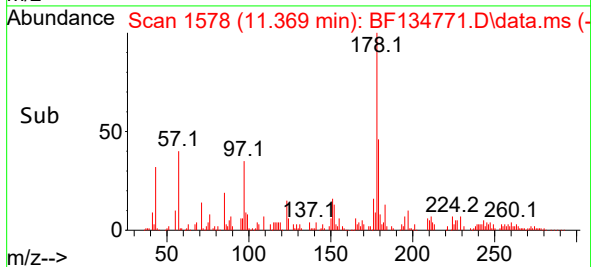
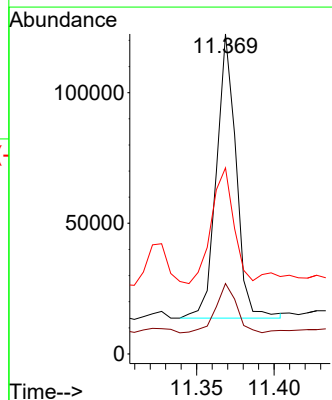
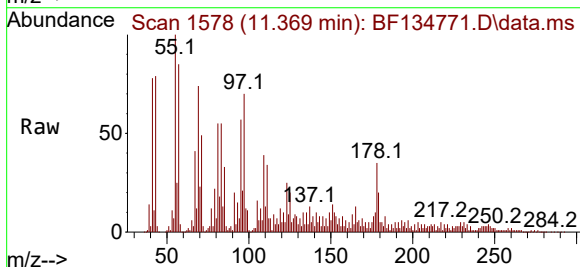
Instrument :
BNA_F
ClientSampleId :
356

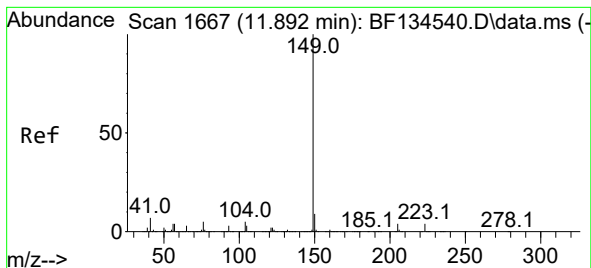
Tgt Ion:248 Resp: 3967
Ion Ratio Lower Upper
248 100
250 84.3 79.6 119.4
141 636.5 59.6 89.4#



#71
Phenanthrene
Concen: 10.479 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Tgt Ion:178 Resp: 96151
Ion Ratio Lower Upper
178 100
176 22.0 15.8 23.6
179 58.2 12.7 19.1#





#74

Di-n-butylphthalate

Concen: 5.201 ng

RT: 11.904 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

356

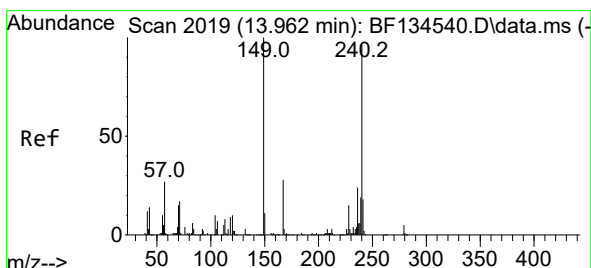
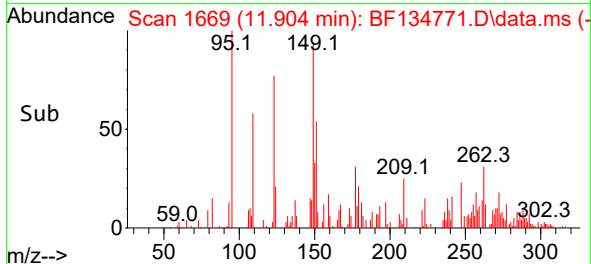
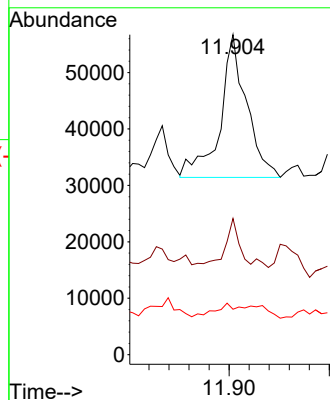
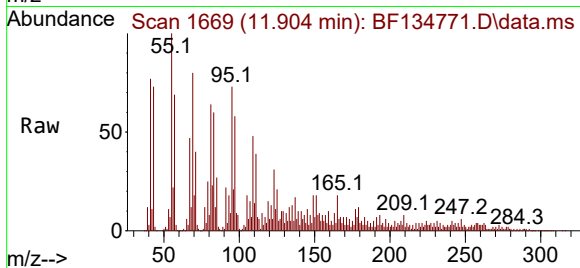
Tgt Ion:149 Resp: 46239

Ion Ratio Lower Upper

149 100

150 42.5 7.2 10.8#

104 14.2 3.8 5.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.012 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

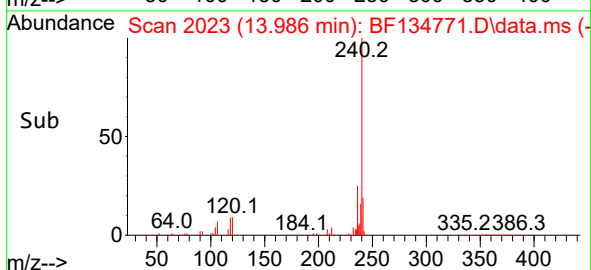
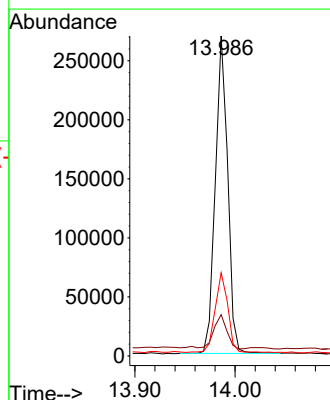
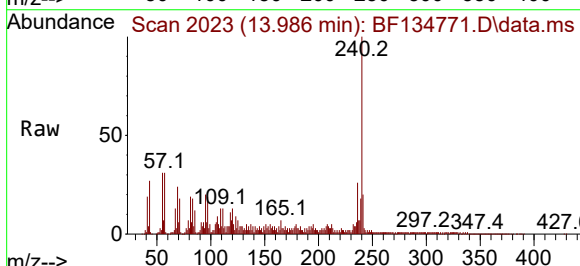
Tgt Ion:240 Resp: 230126

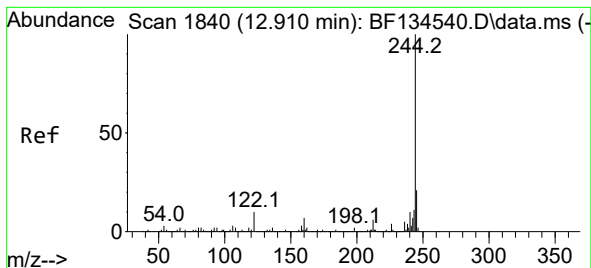
Ion Ratio Lower Upper

240 100

120 12.9 6.6 10.0#

236 26.0 20.2 30.2





#79

Terphenyl-d14

Concen: 4.259 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.018 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

356

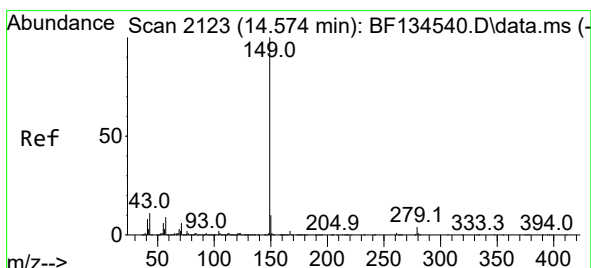
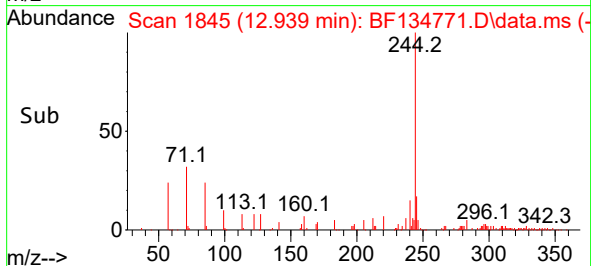
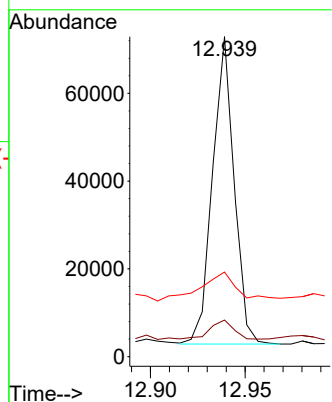
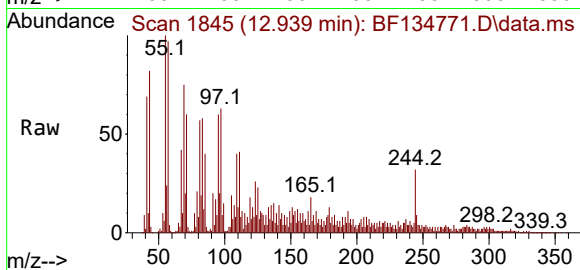
Tgt Ion:244 Resp: 55592

Ion Ratio Lower Upper

244 100

212 11.5 5.6 8.4#

122 26.5 8.0 12.0#



#85

Di-n-octyl phthalate

Concen: 56.664 ng

RT: 14.563 min Scan# 2121

Delta R.T. -0.018 min

Lab File: BF134771.D

Acq: 14 Aug 2023 21:26

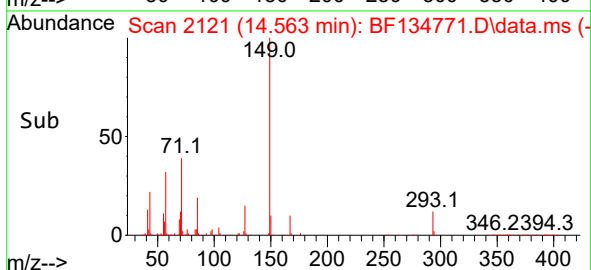
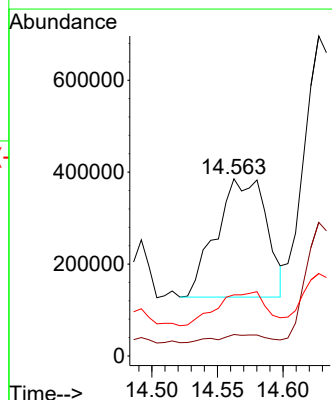
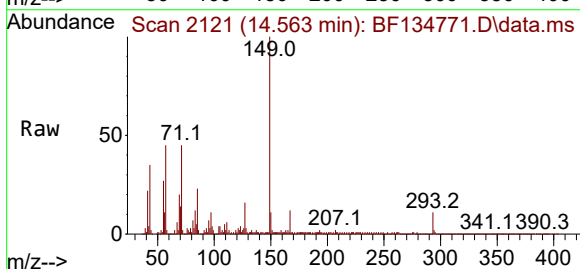
Tgt Ion:149 Resp: 682810

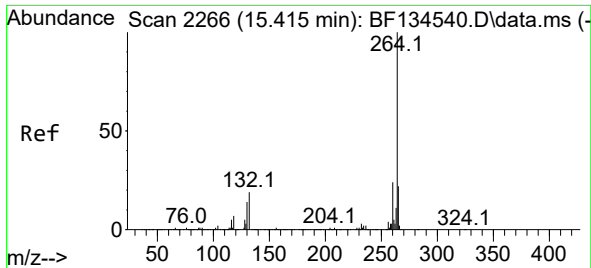
Ion Ratio Lower Upper

149 100

167 14.6 1.2 1.8#

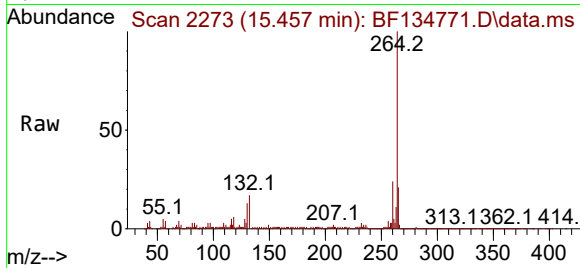
43 27.7 8.1 12.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134771.D
Acq: 14 Aug 2023 21:26

Instrument :
BNA_F
ClientSampleId :
356



Tgt Ion:	264	Resp:	265405
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.4	27.6
265	21.0	15.8	23.8

