

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136874.D
 Acq On : 02 Jan 2024 16:38
 Operator : CG\JU
 Sample : 06038-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-401

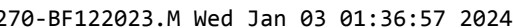
Quant Time: Jan 03 01:36:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

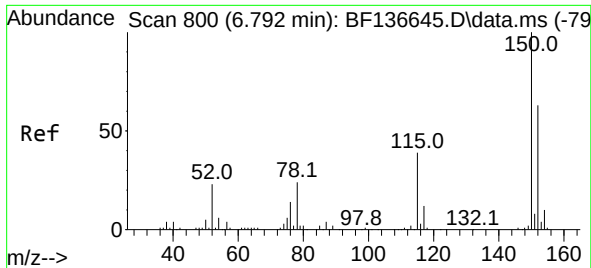
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	56443	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	203898	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	100367	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	162976	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	105748	20.000	ng	-0.01
86) Perylene-d12	15.439	264	132637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	374061	103.404	ng	0.00
7) Phenol-d6	6.428	99	429958	91.727	ng	-0.01
23) Nitrobenzene-d5	7.345	82	301714	75.719	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	130048	110.020	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	586857	78.643	ng	-0.02
79) Terphenyl-d14	12.898	244	531229	70.202	ng	-0.02
Target Compounds						Qvalue
17) 2-Methylphenol	7.198	107	24484	7.466	ng	# 71
18) Hexachloroethane	7.310	117	5008	3.125	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	39181	13.789	ng	# 75
20) 3+4-Methylphenols	7.198	107	24484	5.976	ng	# 51
25) Isophorone	7.345	82	299506	41.309	ng	# 65
31) Naphthalene	8.098	128	3863433	344.900	ng	99
33) 4-Chloroaniline	8.098	127	534833	129.317	ng	# 36
35) Caprolactam	8.769	113	9525	9.646	ng	# 1
37) 2-Methylnaphthalene	8.775	142	441170	61.197	ng	100
38) 1-Methylnaphthalene	8.869	142	317847	44.940	ng	99
46) 1,1'-Biphenyl	9.233	154	54651	6.489	ng	97
50) Dimethylphthalate	9.810	163	18685	2.549	ng	# 1
52) Acenaphthene	9.845	154	80803	13.320	ng	96
54) 2,4-Dinitrophenol	9.663	184	123	3.862	ng	# 1
58) Fluorene	10.363	166	43252	5.928	ng	97
67) 4-Bromophenyl-phenylether	10.610	248	8070	4.459	ng	# 1
71) Phenanthrene	11.327	178	83741	10.014	ng	98

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

Quant Time: Jan 03 01:36:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

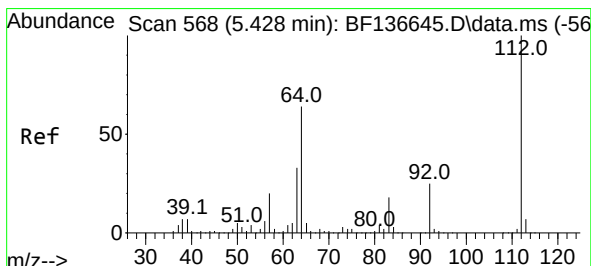
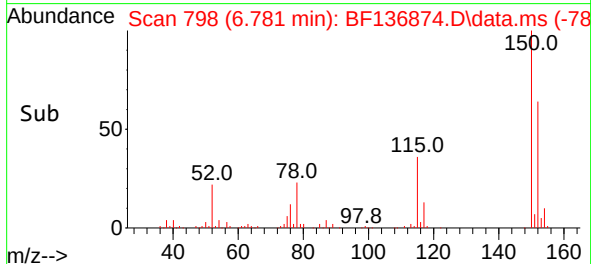
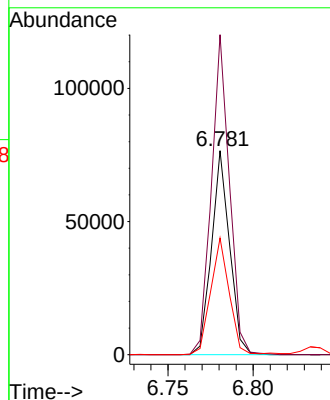
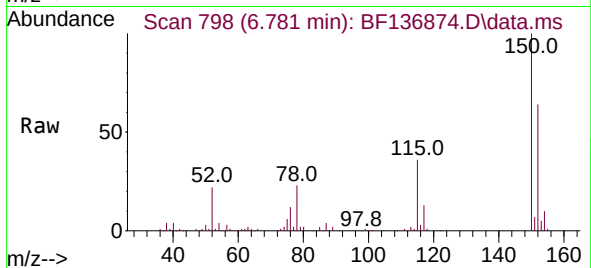




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF136874.D
 Acq: 02 Jan 2024 16:38

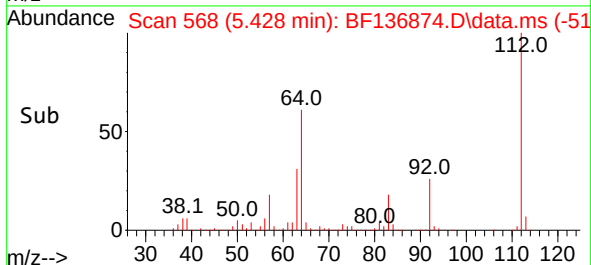
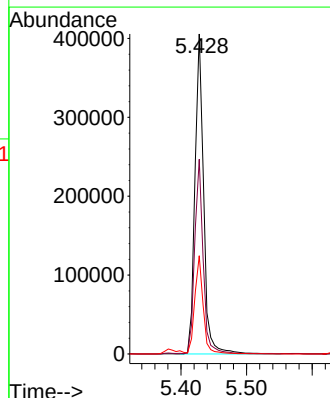
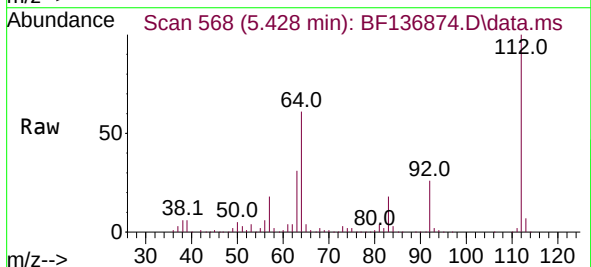
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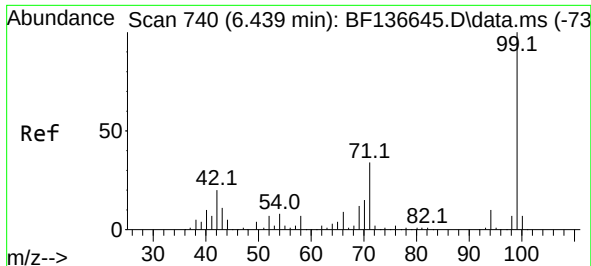
Tgt Ion:152 Resp: 56443
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.0 190.6
 115 57.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 103.404 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.000 min
 Lab File: BF136874.D
 Acq: 02 Jan 2024 16:38

Tgt Ion:112 Resp: 374061
 Ion Ratio Lower Upper
 112 100
 64 60.9 51.1 76.7
 63 30.7 26.1 39.1





#7

Phenol-d6

Concen: 91.727 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

T-401

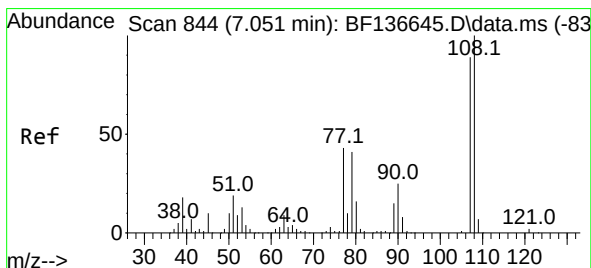
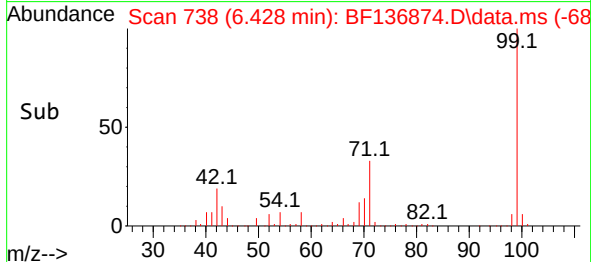
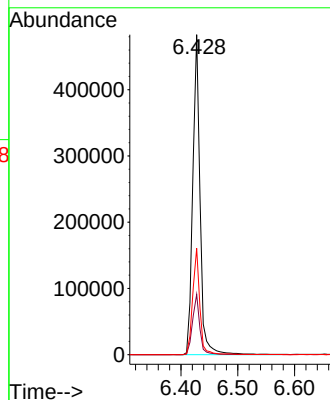
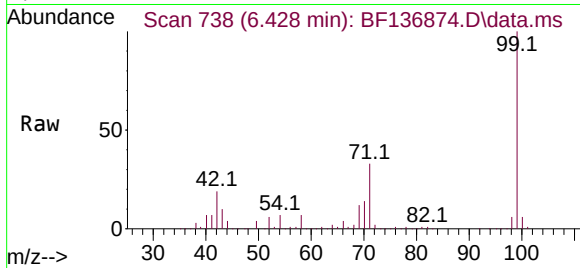
Tgt Ion: 99 Resp: 429958

Ion Ratio Lower Upper

99 100

42 18.8 16.1 24.1

71 33.2 27.4 41.2



#17

2-Methylphenol

Concen: 7.466 ng

RT: 7.198 min Scan# 869

Delta R.T. 0.147 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Tgt Ion:107 Resp: 24484

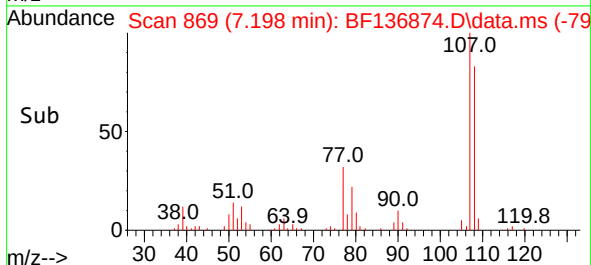
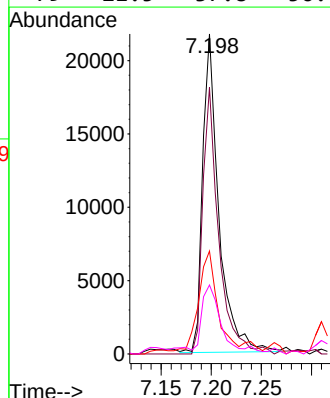
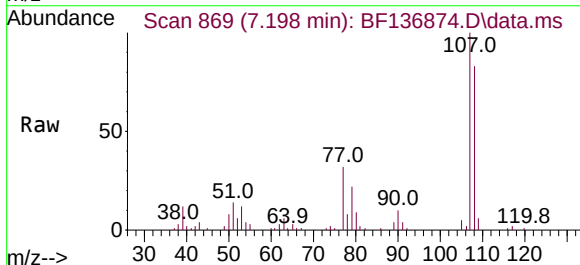
Ion Ratio Lower Upper

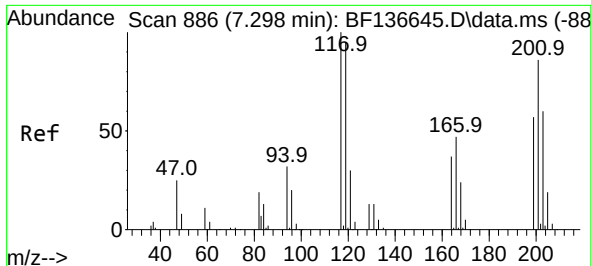
107 100

108 83.4 90.3 135.5#

77 32.2 38.7 58.1#

79 21.5 37.8 56.6#

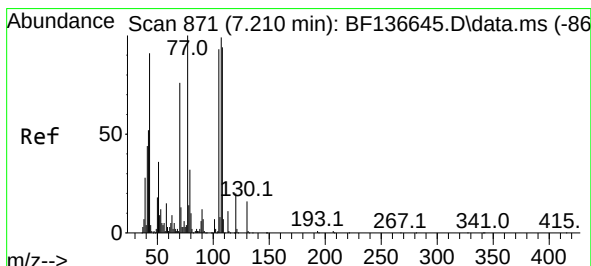
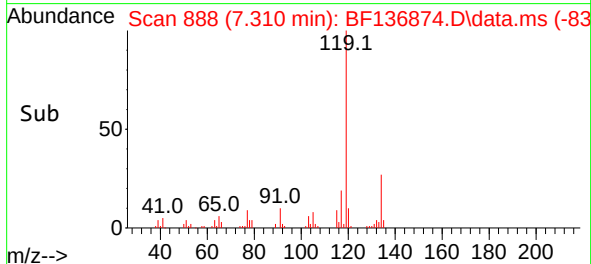
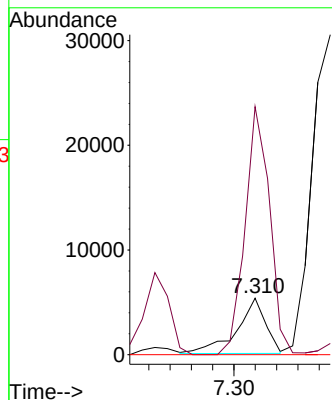
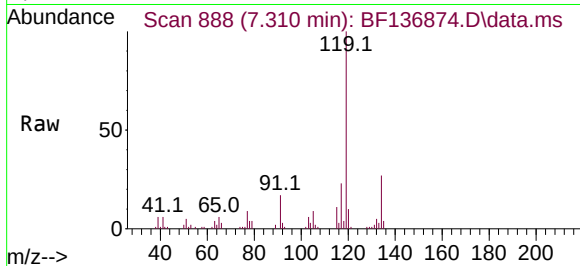




#18
Hexachloroethane
Concen: 3.125 ng
RT: 7.310 min Scan# 886
Delta R.T. 0.012 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

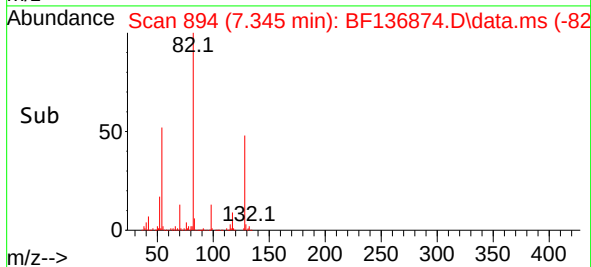
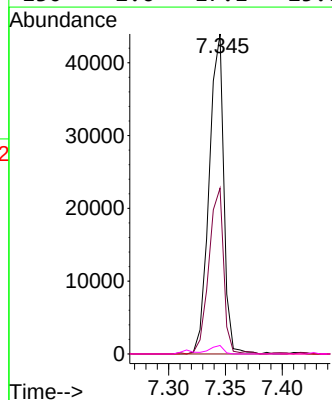
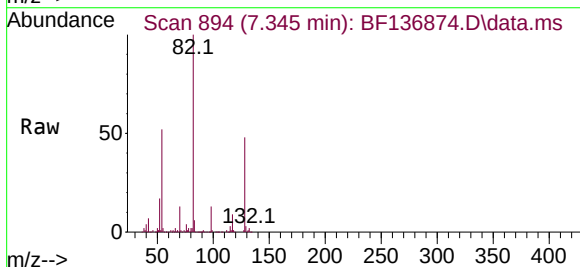
Instrument :
BNA_F
ClientSampleId :
T-401

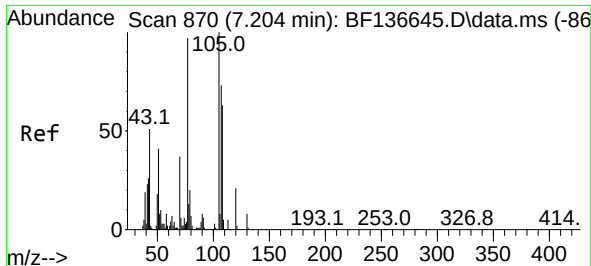
Tgt Ion:117 Resp: 5008
Ion Ratio Lower Upper
117 100
119 439.4 75.8 113.6#
201 0.0 69.1 103.7#



#19
n-Nitroso-di-n-propylamine
Concen: 13.789 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion: 70 Resp: 39181
Ion Ratio Lower Upper
70 100
42 51.8 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#

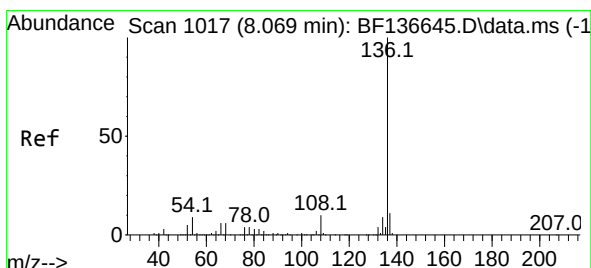
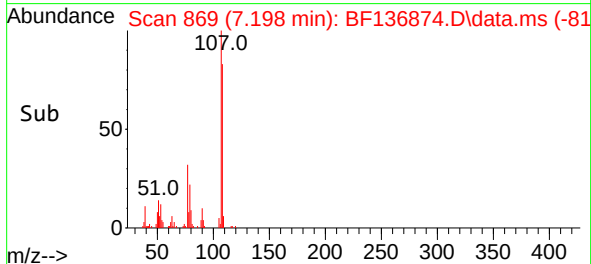
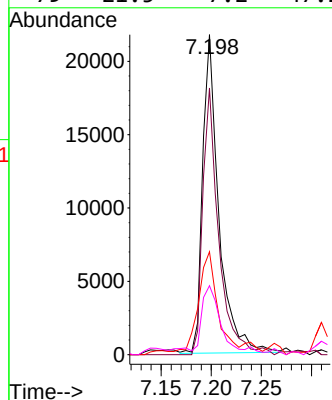
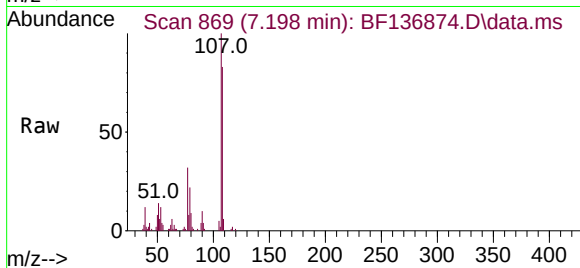




#20
3+4-Methylphenols
Concen: 5.976 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

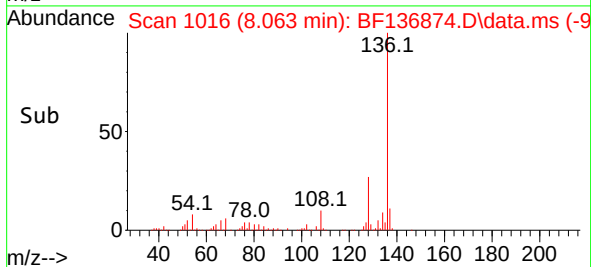
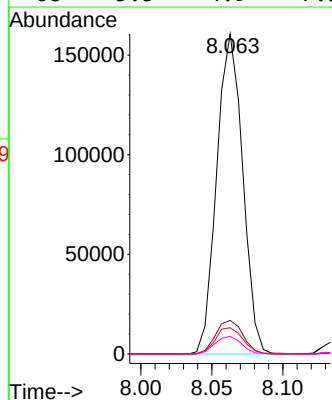
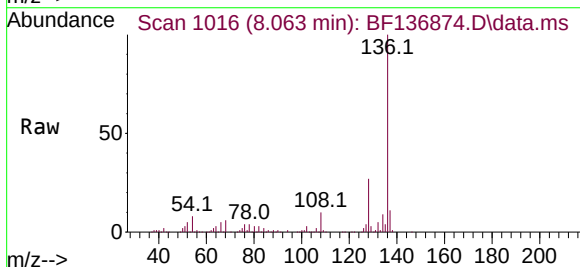
Instrument :
BNA_F
ClientSampleId :
T-401

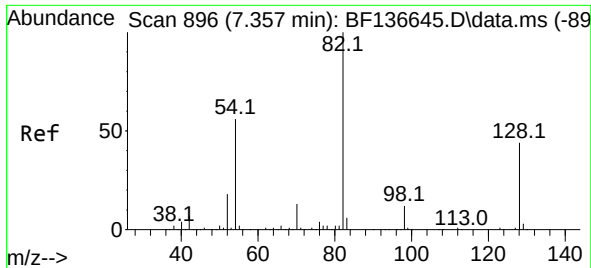
Tgt Ion:	107	Resp:	24484
Ion	Ratio	Lower	Upper
107	100		
108	83.4	66.0	106.0
77	32.2	114.2	154.2#
79	21.5	7.2	47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion:	136	Resp:	203898
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	8.2	7.2	10.8
68	5.5	4.9	7.3





#23

Nitrobenzene-d5

Concen: 75.719 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

T-401

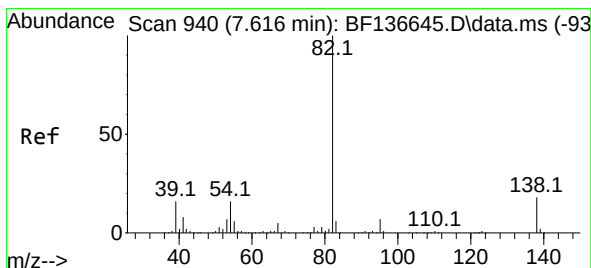
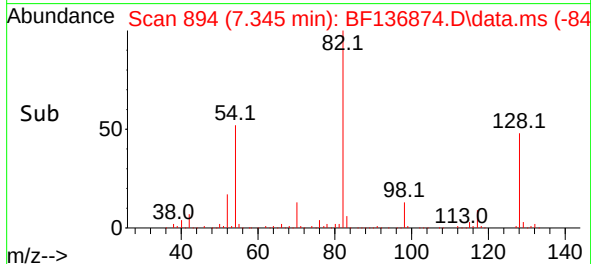
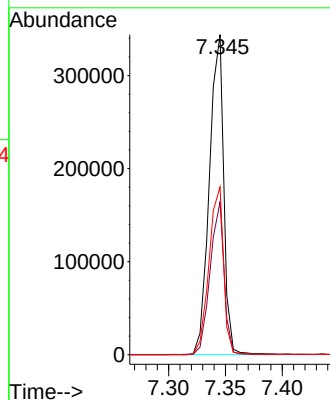
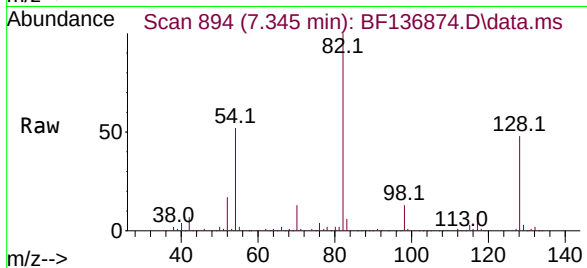
Tgt Ion: 82 Resp: 301714

Ion Ratio Lower Upper

82 100

128 47.7 35.3 52.9

54 52.4 44.5 66.7



#25

Isophorone

Concen: 41.309 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

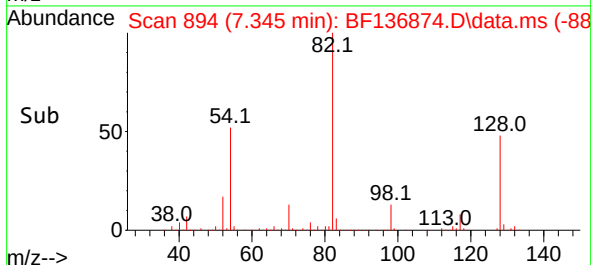
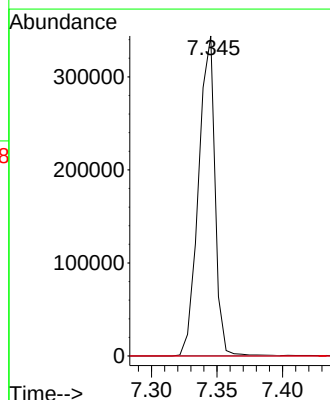
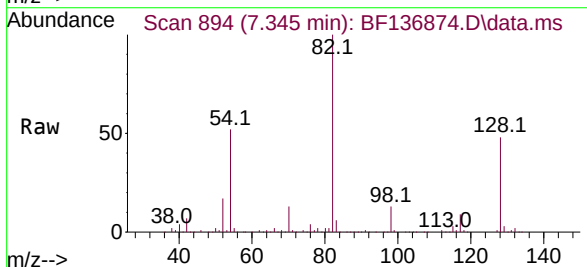
Tgt Ion: 82 Resp: 299506

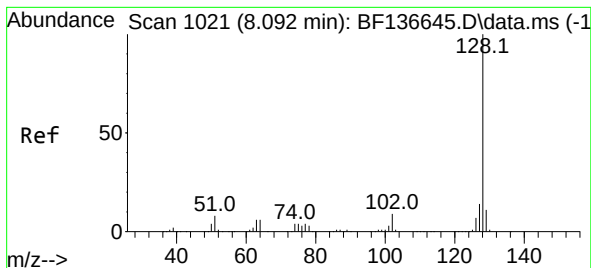
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.5 21.7#





#31

Naphthalene

Concen: 344.900 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

T-401

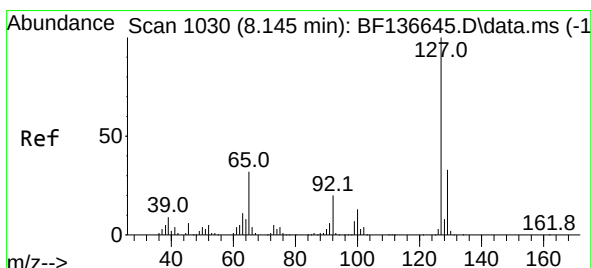
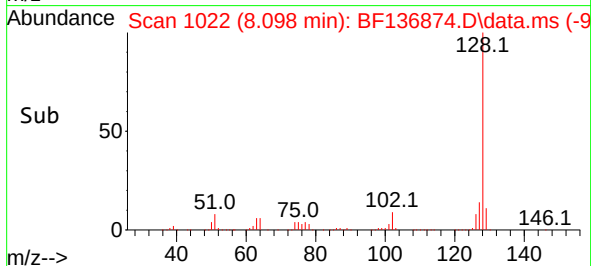
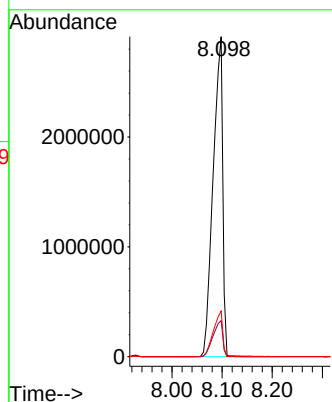
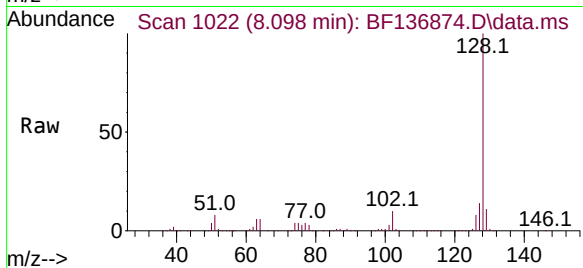
Tgt Ion:128 Resp: 3863433

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 14.2 10.8 16.2



#33

4-Chloroaniline

Concen: 129.317 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.047 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Tgt Ion:127 Resp: 534833

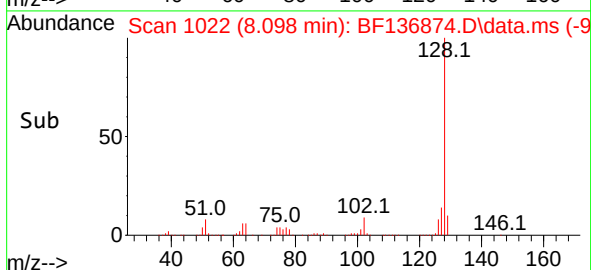
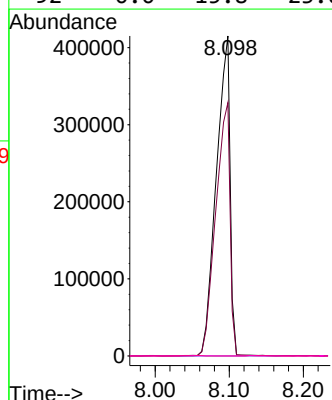
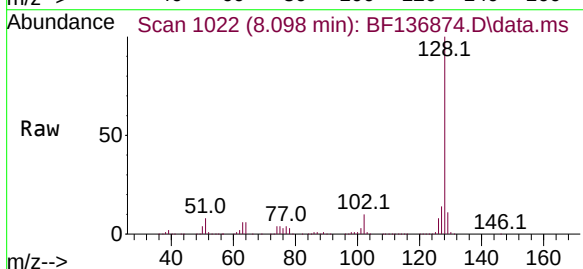
Ion Ratio Lower Upper

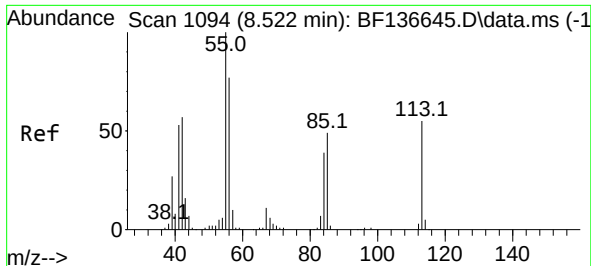
127 100

129 79.2 26.3 39.5#

65 0.0 25.8 38.8#

92 0.0 15.8 23.6#





#35

Caprolactam

Concen: 9.646 ng

RT: 8.769 min Scan# 1136

Delta R.T. 0.247 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

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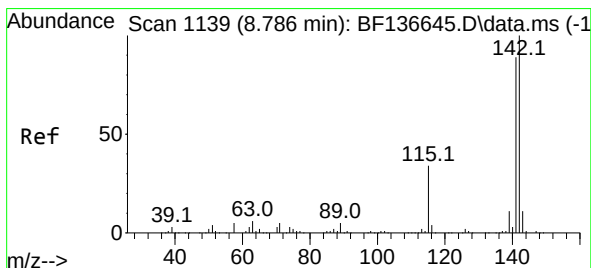
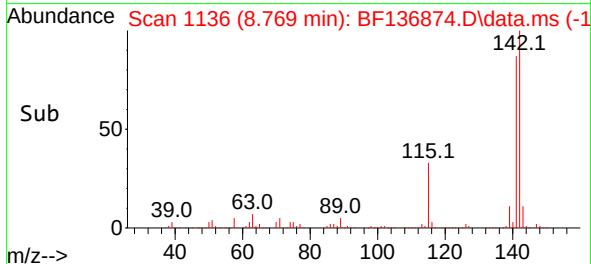
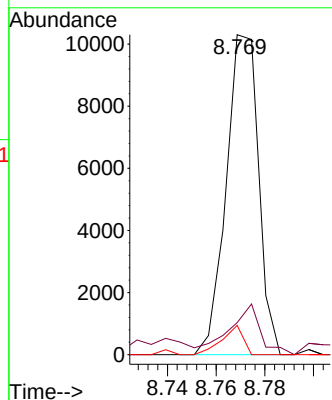
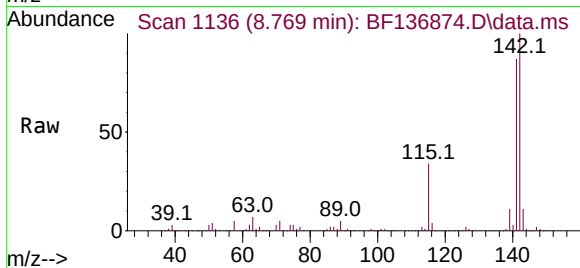
Tgt Ion:113 Resp: 9525

Ion Ratio Lower Upper

113 100

55 10.0 163.1 203.1#

56 9.2 121.7 161.7#



#37

2-Methylnaphthalene

Concen: 61.197 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136874.D

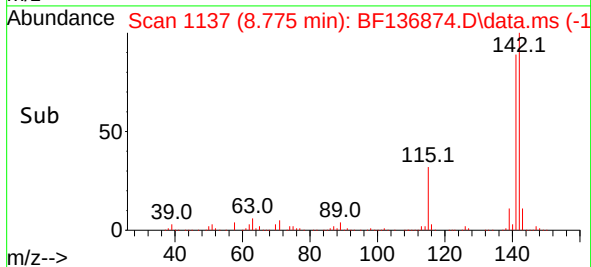
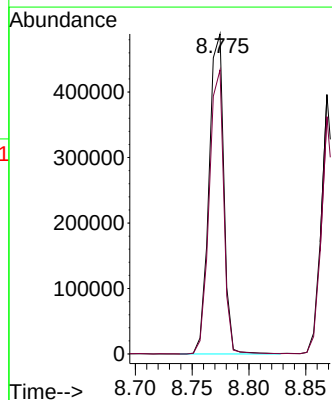
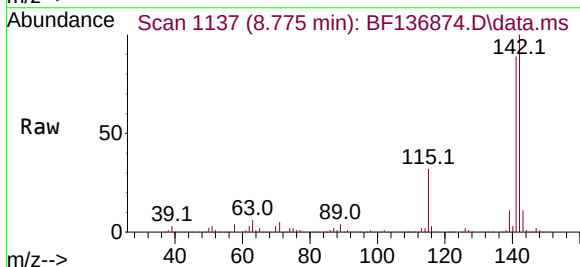
Acq: 02 Jan 2024 16:38

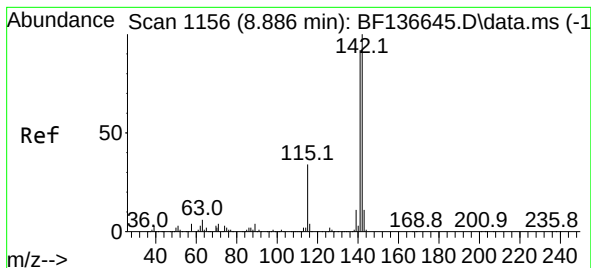
Tgt Ion:142 Resp: 441170

Ion Ratio Lower Upper

142 100

141 88.8 71.1 106.7





#38

1-Methylnaphthalene

Concen: 44.940 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

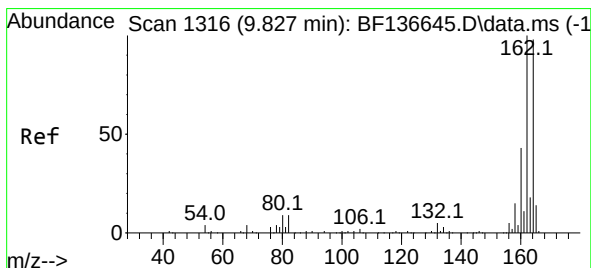
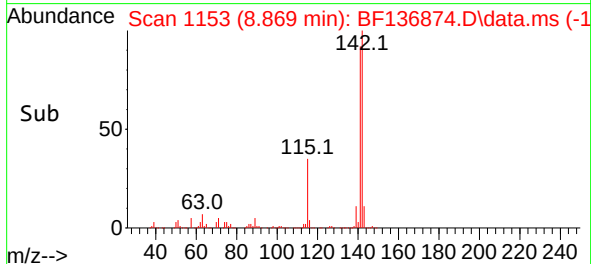
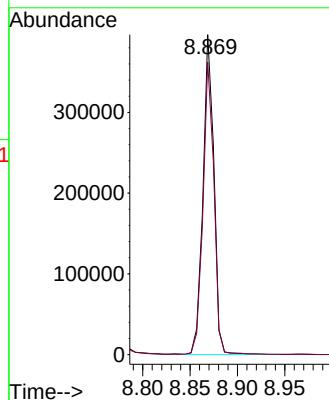
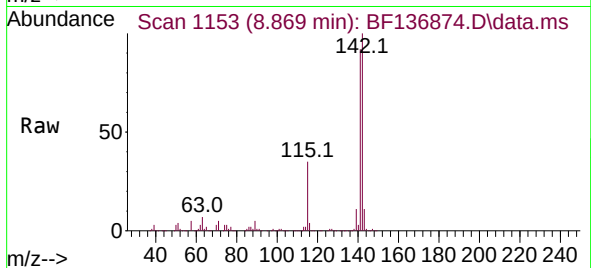
T-401

Tgt Ion:142 Resp: 317847

Ion Ratio Lower Upper

142 100

141 91.5 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

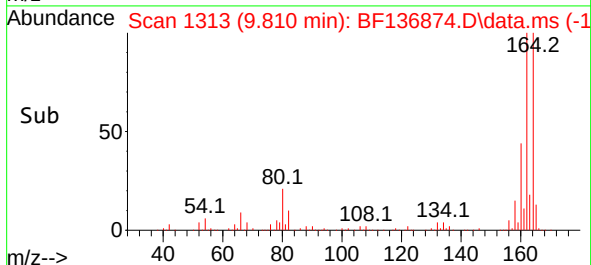
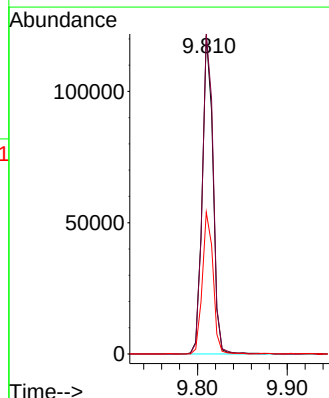
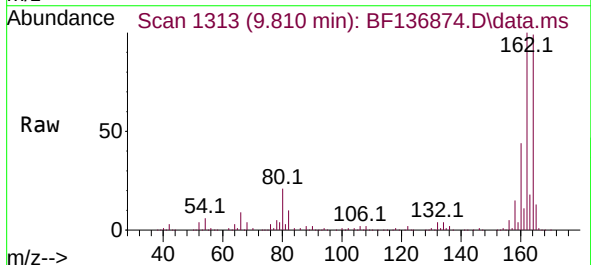
Tgt Ion:164 Resp: 100367

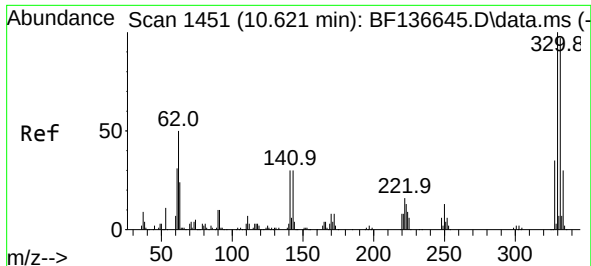
Ion Ratio Lower Upper

164 100

162 100.5 81.6 122.4

160 44.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 110.020 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

T-401

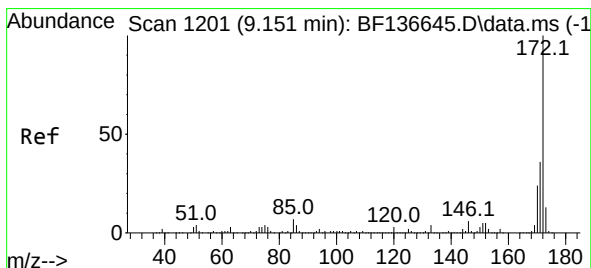
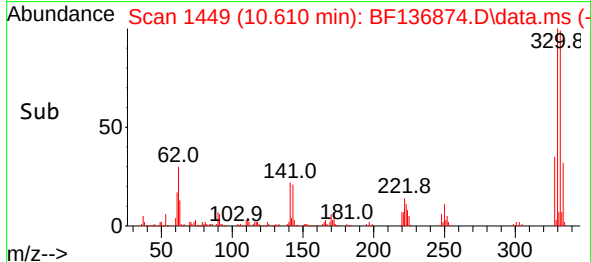
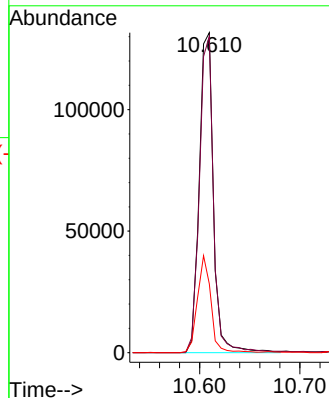
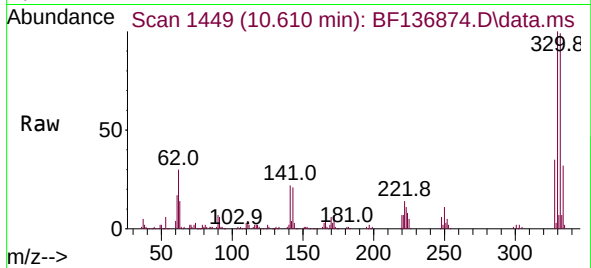
Tgt Ion:330 Resp: 130048

Ion Ratio Lower Upper

330 100

332 98.8 77.4 116.0

141 28.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 78.643 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

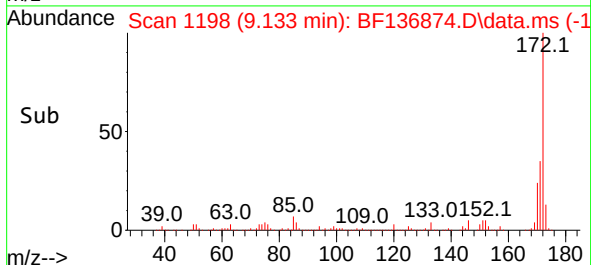
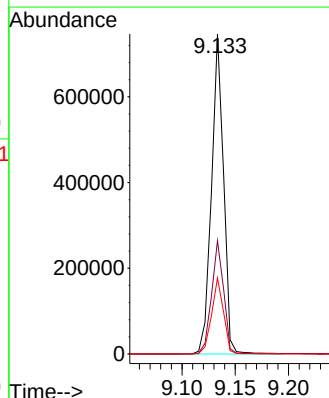
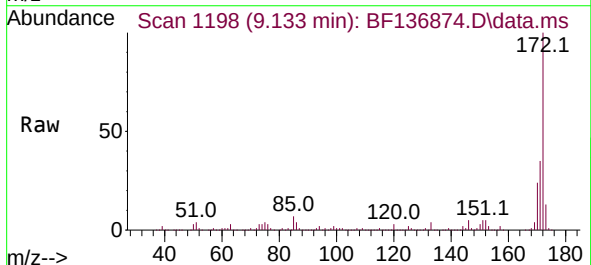
Tgt Ion:172 Resp: 586857

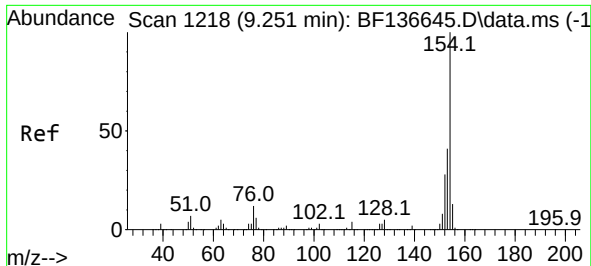
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 23.8 19.0 28.4

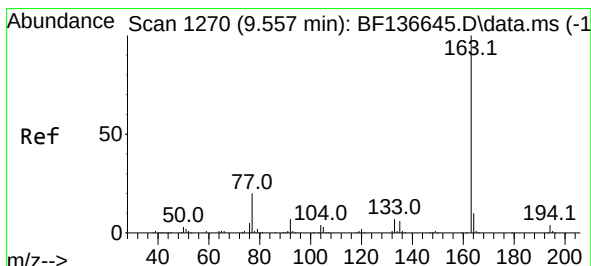
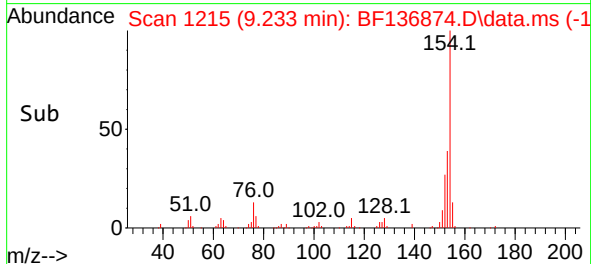
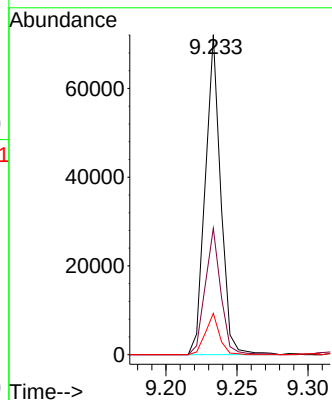
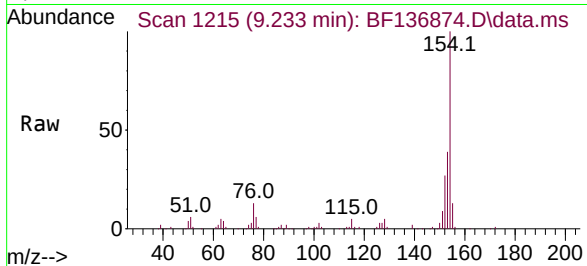




#46
1,1'-Biphenyl
Concen: 6.489 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

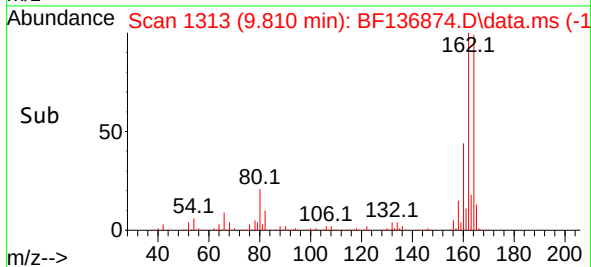
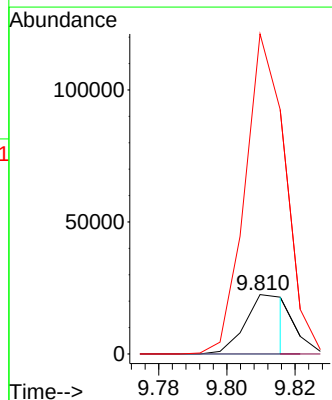
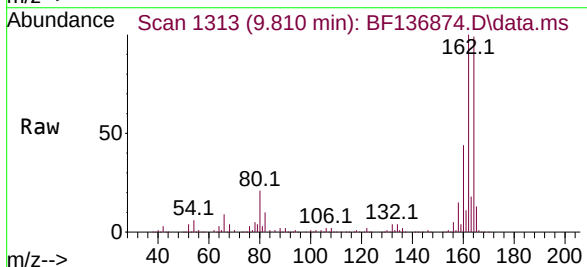
Instrument :
BNA_F
ClientSampleId :
T-401

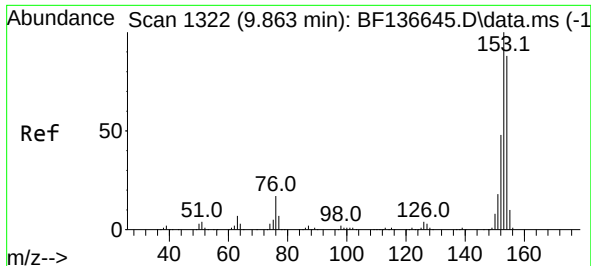
Tgt Ion:154 Resp: 54651
Ion Ratio Lower Upper
154 100
153 39.5 21.1 61.1
76 12.9 0.0 31.7



#50
Dimethylphthalate
Concen: 2.549 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion:163 Resp: 18685
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 538.5 7.8 11.6#

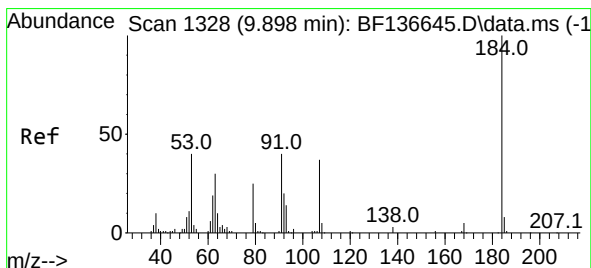
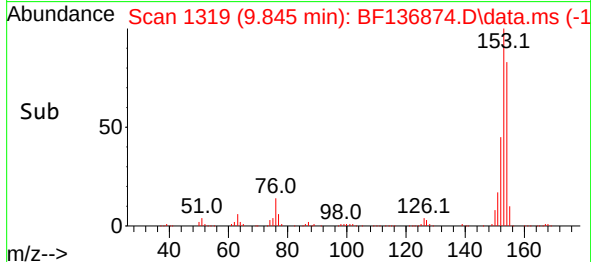
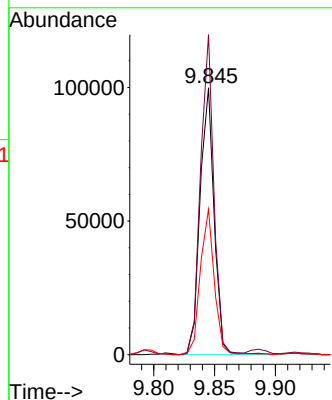
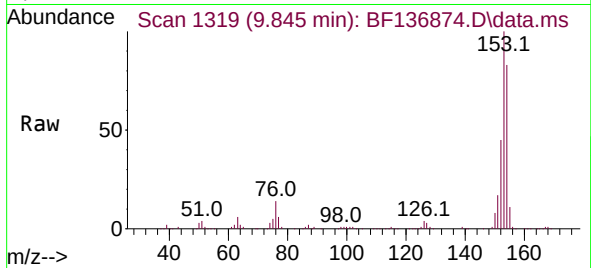




#52
Acenaphthene
Concen: 13.320 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

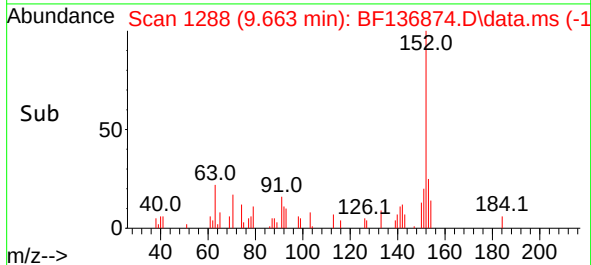
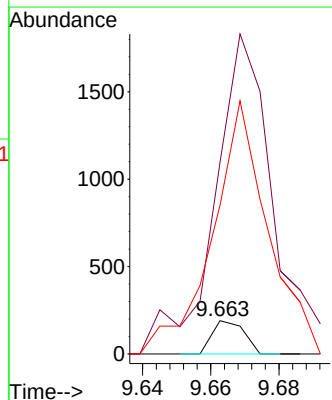
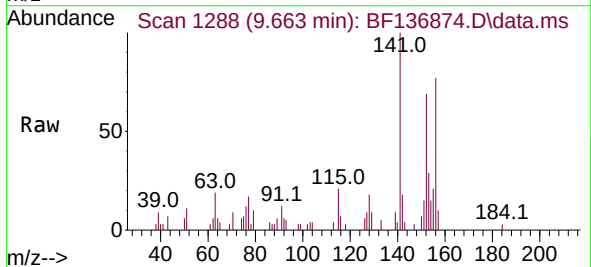
Instrument :
BNA_F
ClientSampleId :
T-401

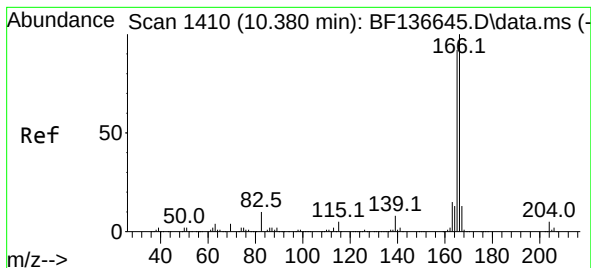
Tgt Ion:154 Resp: 80803
Ion Ratio Lower Upper
154 100
153 119.9 90.7 136.1
152 54.4 43.7 65.5



#54
2,4-Dinitrophenol
Concen: 3.862 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.235 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion:184 Resp: 123
Ion Ratio Lower Upper
184 100
63 577.4 40.9 61.3#
154 447.9 42.7 64.1#





#58

Fluorene

Concen: 5.928 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

Instrument :

BNA_F

ClientSampleId :

T-401

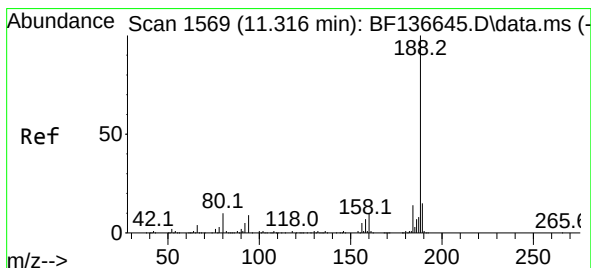
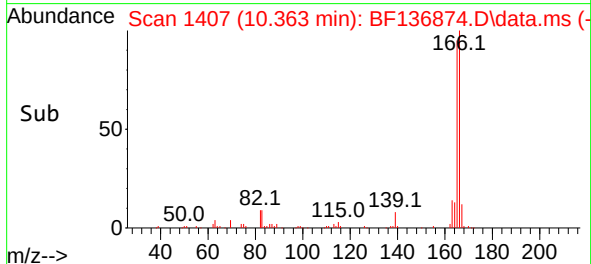
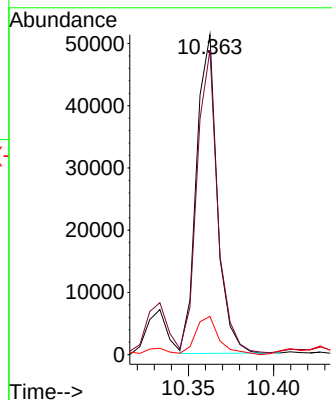
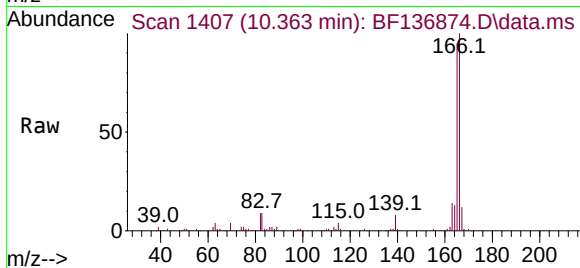
Tgt Ion:166 Resp: 43252

Ion Ratio Lower Upper

166 100

165 95.2 73.7 110.5

167 12.0 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF136874.D

Acq: 02 Jan 2024 16:38

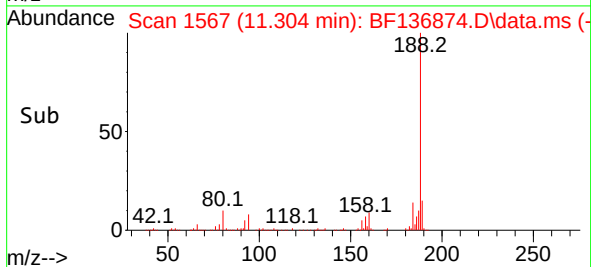
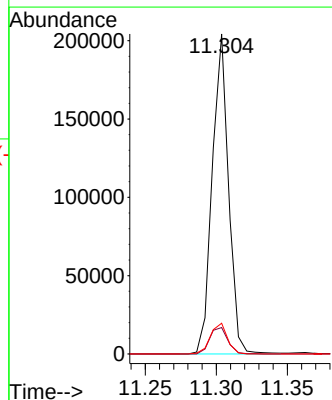
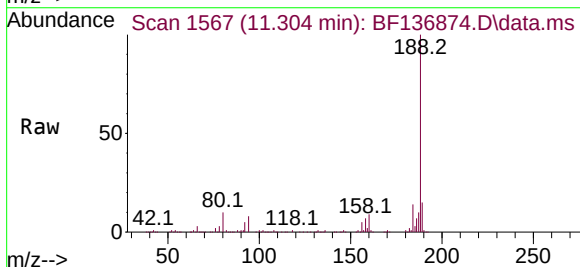
Tgt Ion:188 Resp: 162976

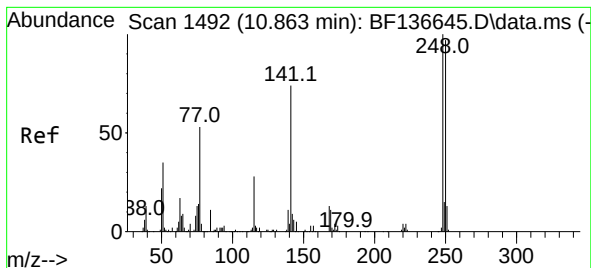
Ion Ratio Lower Upper

188 100

94 8.2 7.5 11.3

80 9.6 8.1 12.1

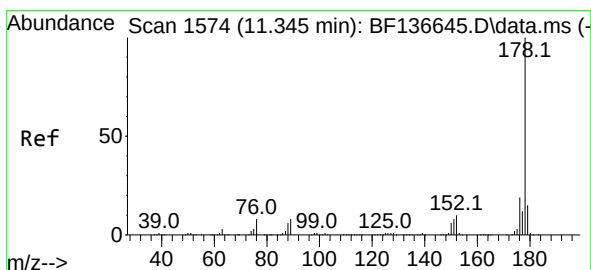
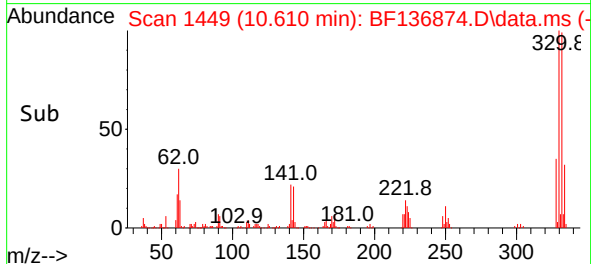
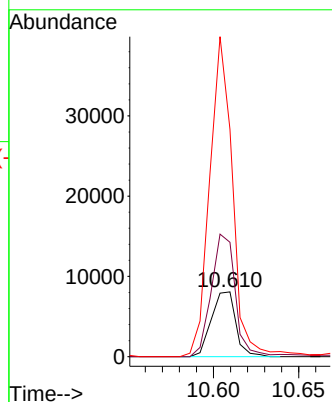
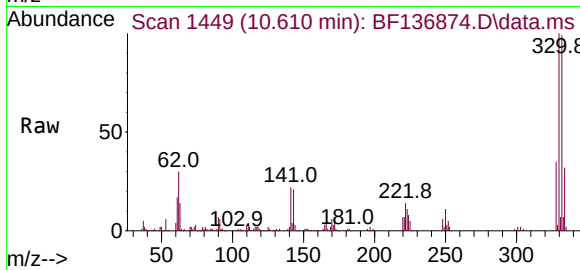




#67
4-Bromophenyl-phenylether
Concen: 4.459 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

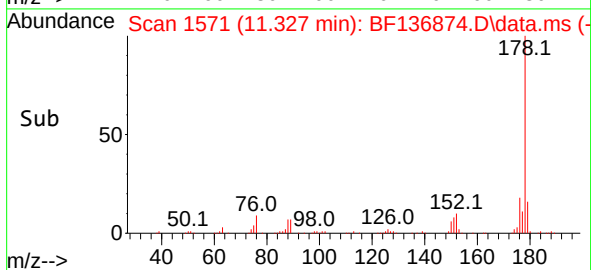
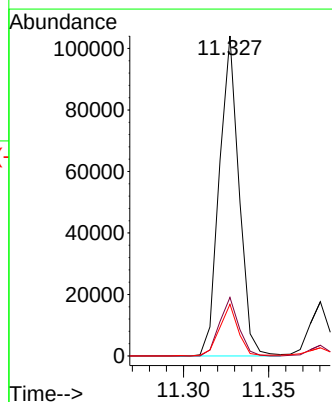
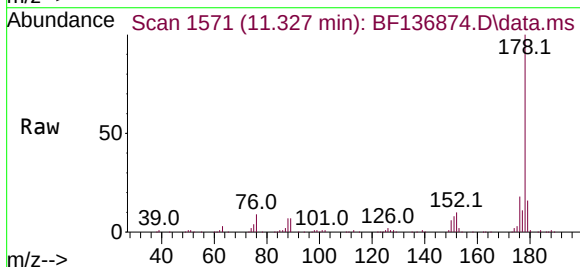
Instrument :
BNA_F
ClientSampleId :
T-401

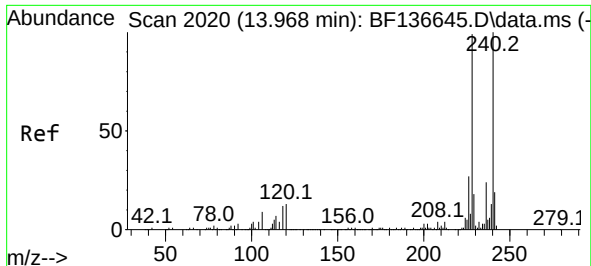
Tgt Ion:248 Resp: 8070
Ion Ratio Lower Upper
248 100
250 176.5 77.8 116.6#
141 350.9 59.2 88.8#



#71
Phenanthrene
Concen: 10.014 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion:178 Resp: 83741
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 16.2 11.9 17.9

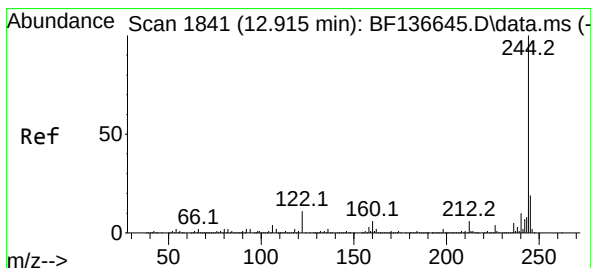
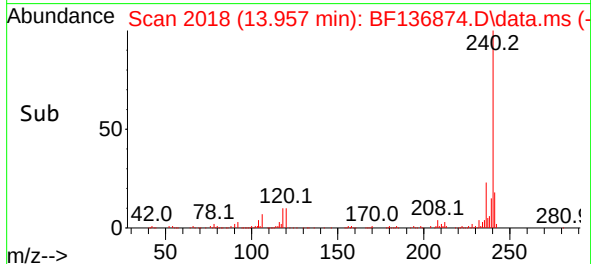
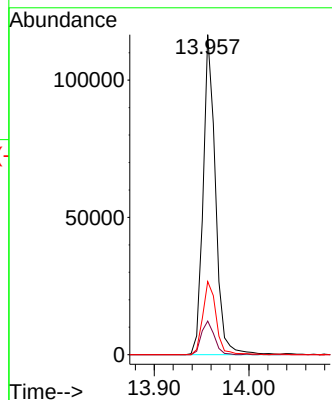
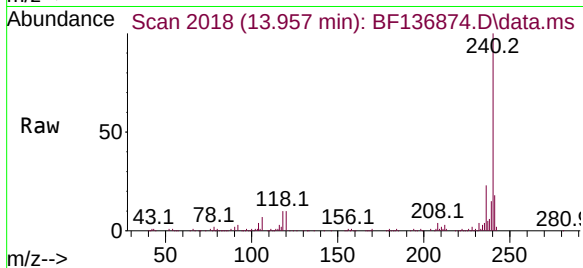




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

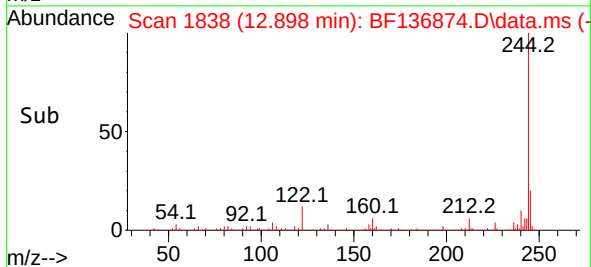
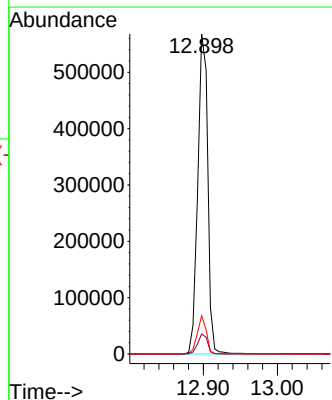
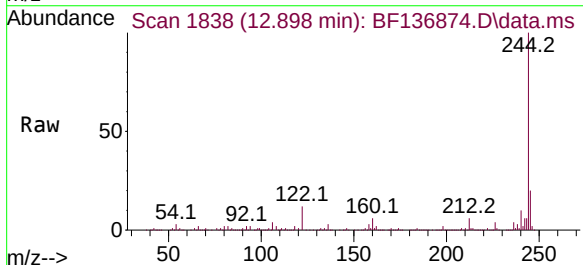
Instrument :
BNA_F
ClientSampleId :
T-401

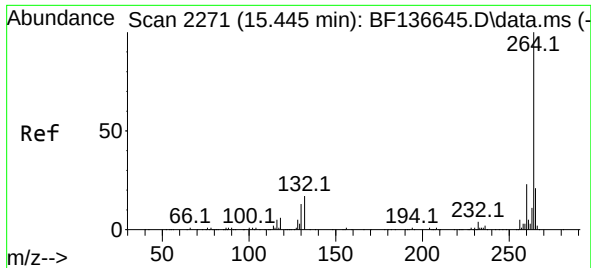
Tgt Ion:240 Resp: 105748
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 22.9 19.4 29.2



#79
Terphenyl-d14
Concen: 70.202 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.018 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Tgt Ion:244 Resp: 531229
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 12.0 9.0 13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136874.D
Acq: 02 Jan 2024 16:38

Instrument :
BNA_F
ClientSampleId :
T-401

Tgt Ion:264 Resp: 132637
Ion Ratio Lower Upper
264 100
260 21.5 18.3 27.5
265 20.7 17.0 25.6

