

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136354.D
 Acq On : 02 Dec 2023 01:12
 Operator : CG\JU
 Sample : 05561-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A821

Quant Time: Dec 02 03:30:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

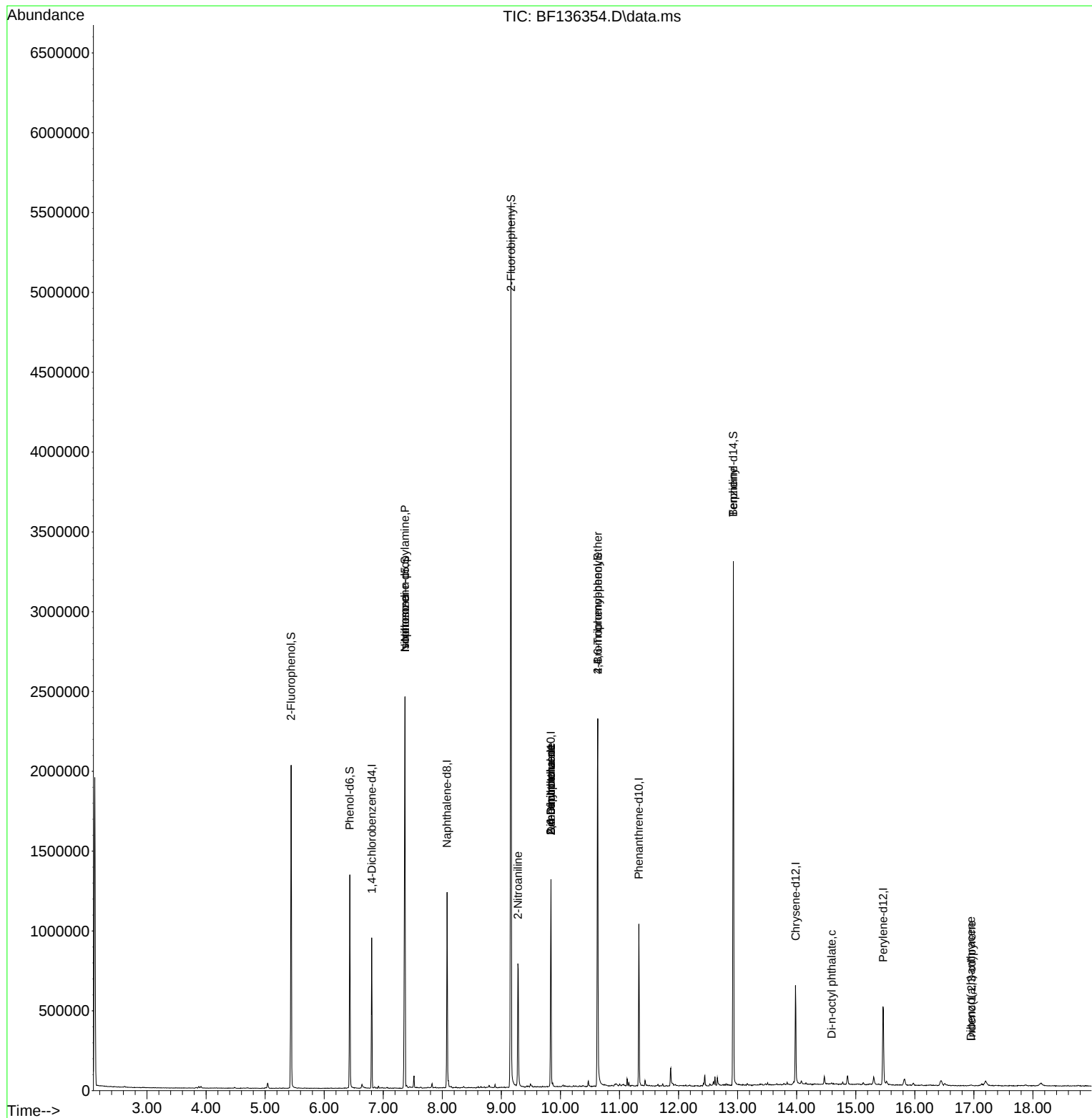
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	124802	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	512426	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	240881	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	338963	20.000	ng	0.00
76) Chrysene-d12	13.980	240	211619	20.000	ng	#-0.01
86) Perylene-d12	15.462	264	250829	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	537034	59.893	ng	0.00
7) Phenol-d6	6.434	99	410979	36.657	ng	-0.01
23) Nitrobenzene-d5	7.369	82	862638	88.958	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	326248	110.781	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1720834	91.250	ng	0.00
79) Terphenyl-d14	12.927	244	1143282	62.318	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	112972	16.848	ng	# 74
25) Isophorone	7.369	82	861706	49.282	ng	# 68
48) 2-Nitroaniline	9.281	65	8801	2.043	ng	# 19
50) Dimethylphthalate	9.839	163	48638	2.672	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	30018	8.071	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	30018	6.042	ng	# 28
67) 4-Bromophenyl-phenylether	10.633	248	19637	4.966	ng	# 1
77) Benzidine	12.927	184	12682	3.646	ng	# 90
85) Di-n-octyl phthalate	14.592	149	3881	5.409	ng	# 49
87) Indeno(1,2,3-cd)pyrene	16.962	276	3538	2.857	ng	# 75
91) Dibenzo(a,h)anthracene	16.951	278	1810	2.827	ng	# 65

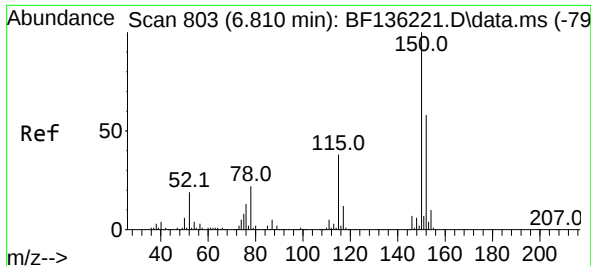
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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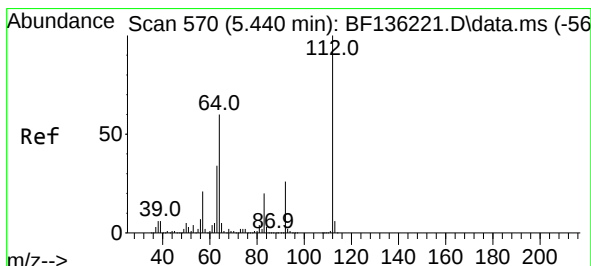
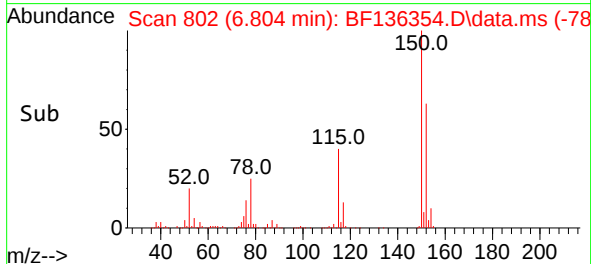
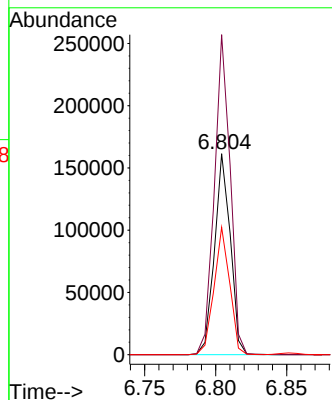
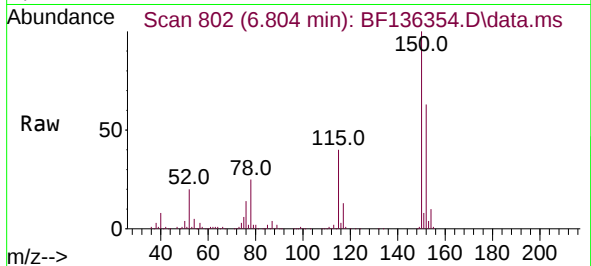




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

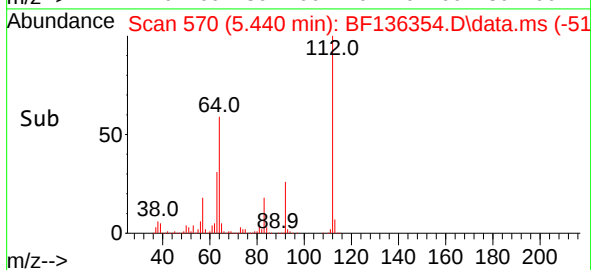
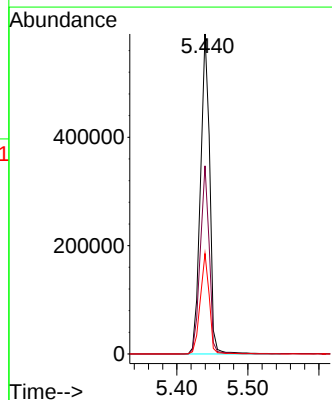
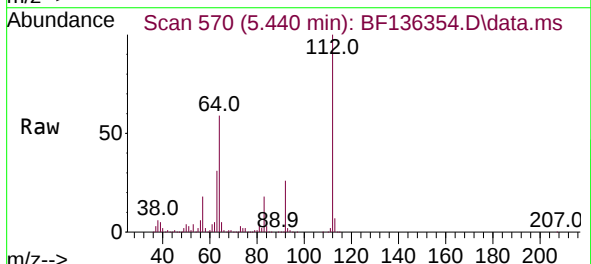
Instrument :
BNA_F
ClientSampleId :
A821

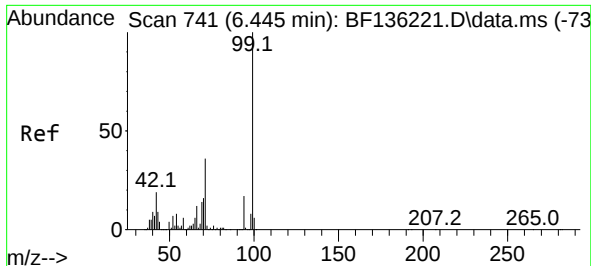
Tgt Ion:152 Resp: 124802
Ion Ratio Lower Upper
152 100
150 159.2 137.8 206.8
115 63.4 52.7 79.1



#5
2-Fluorophenol
Concen: 59.893 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

Tgt Ion:112 Resp: 537034
Ion Ratio Lower Upper
112 100
64 58.8 48.2 72.4
63 31.4 27.0 40.6





#7
Phenol-d6
Concen: 36.657 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

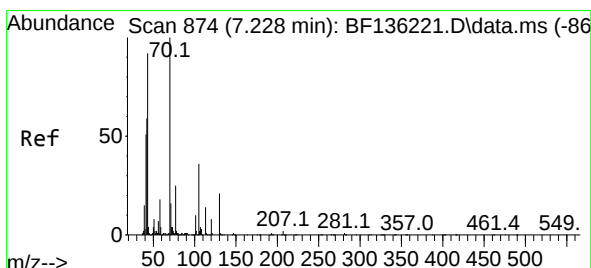
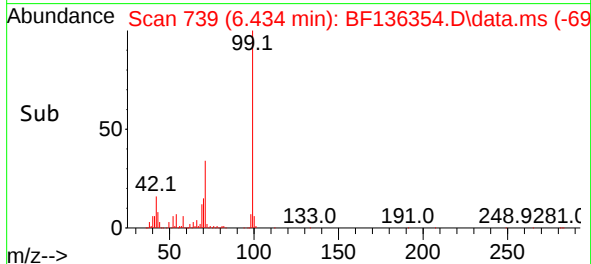
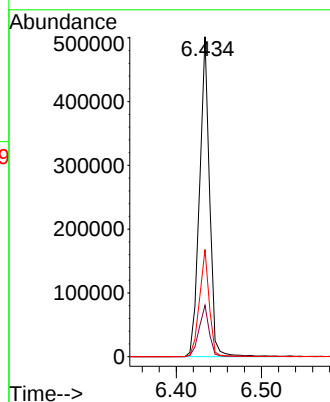
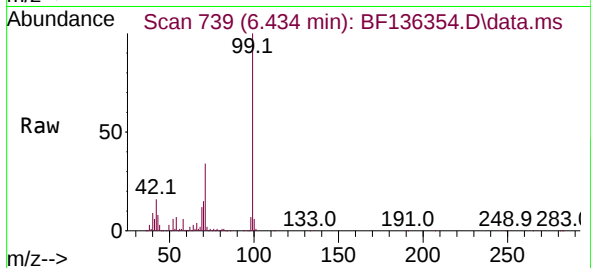
Instrument :

BNA_F

ClientSampleId :

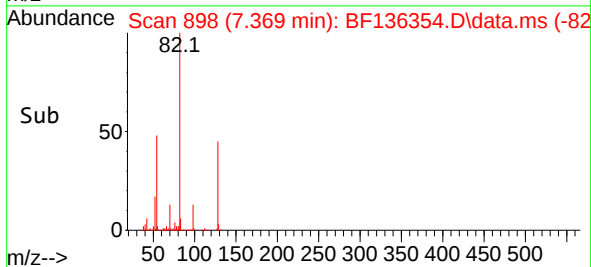
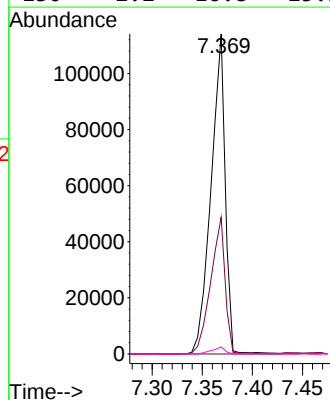
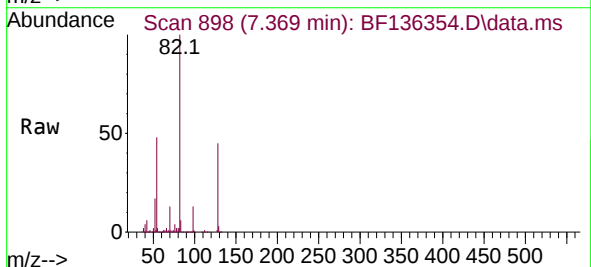
A821

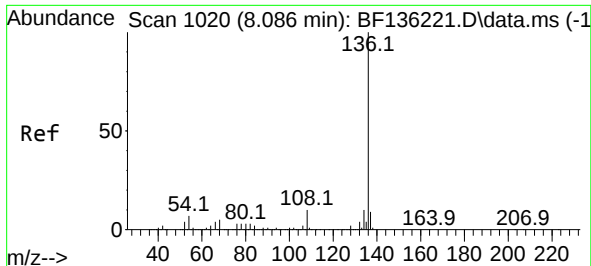
Tgt Ion: 99 Resp: 410979
Ion Ratio Lower Upper
99 100
42 16.1 15.0 22.6
71 33.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.848 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

Tgt Ion: 70 Resp: 112972
Ion Ratio Lower Upper
70 100
42 42.7 47.0 70.4#
101 0.0 7.8 11.8#
130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Instrument :

BNA_F

ClientSampleId :

A821

Tgt Ion:136 Resp: 512426

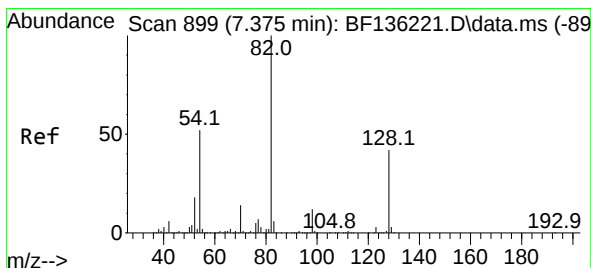
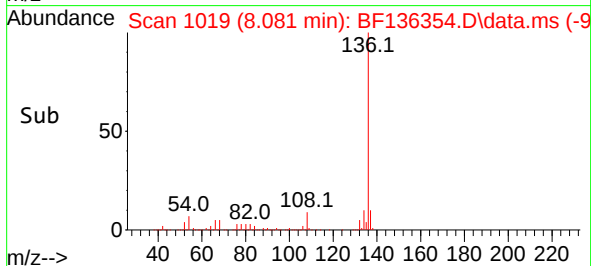
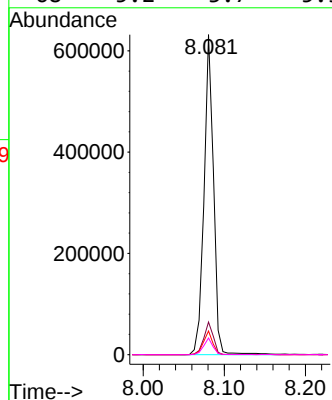
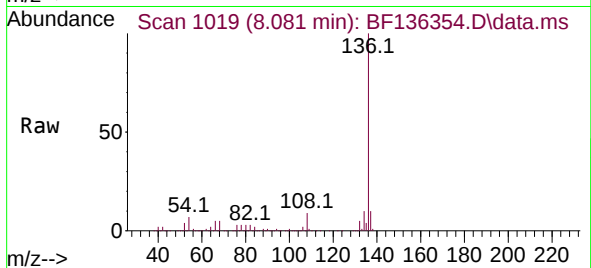
Ion Ratio Lower Upper

136 100

137 10.2 7.4 11.2

54 7.4 5.5 8.3

68 5.2 3.7 5.5



#23

Nitrobenzene-d5

Concen: 88.958 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

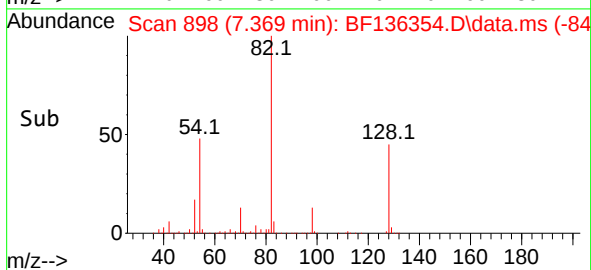
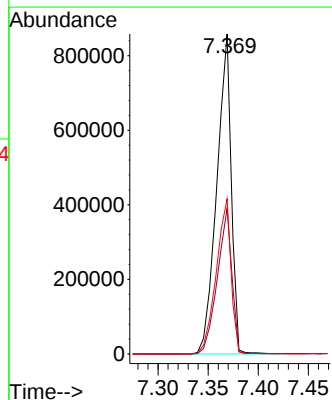
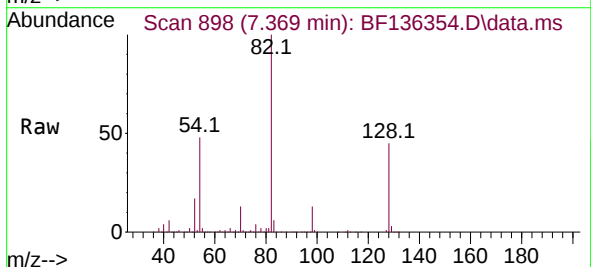
Tgt Ion: 82 Resp: 862638

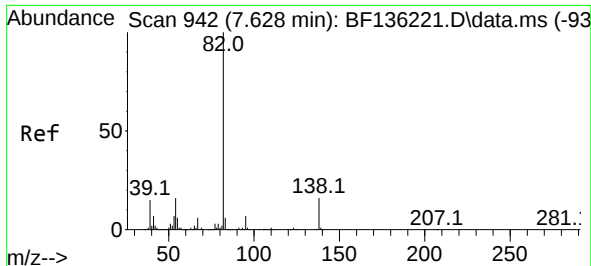
Ion Ratio Lower Upper

82 100

128 45.5 33.4 50.2

54 48.5 41.7 62.5

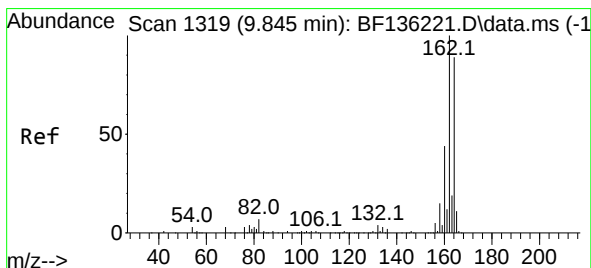
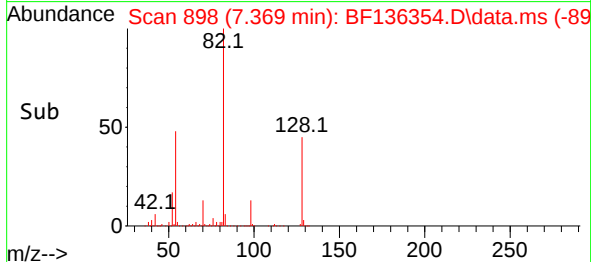
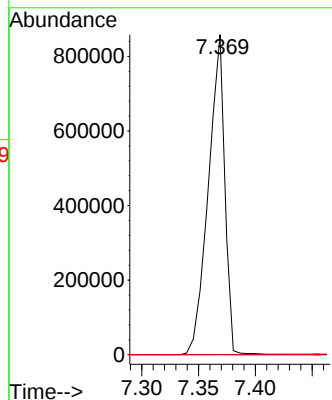
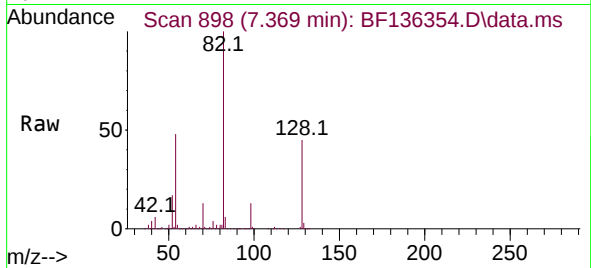




#25
Isophorone
Concen: 49.282 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

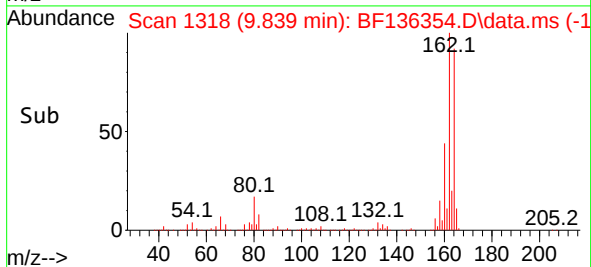
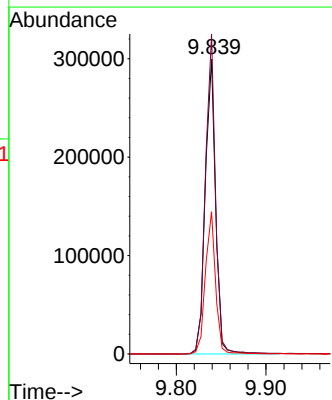
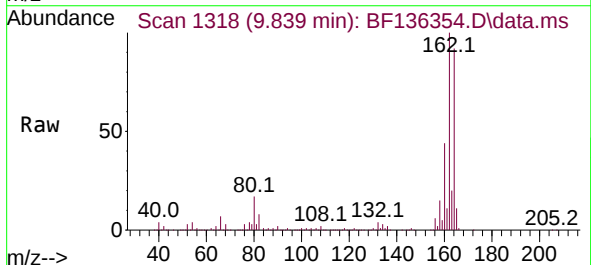
Instrument :
BNA_F
ClientSampleId :
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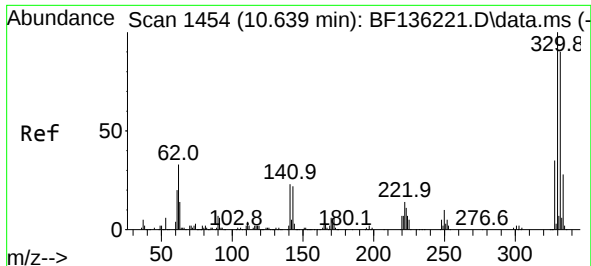
Tgt Ion: 82 Resp: 861706
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

Tgt Ion: 164 Resp: 240881
Ion Ratio Lower Upper
164 100
162 108.5 89.5 134.3
160 48.2 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 110.781 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Instrument :

BNA_F

ClientSampleId :

A821

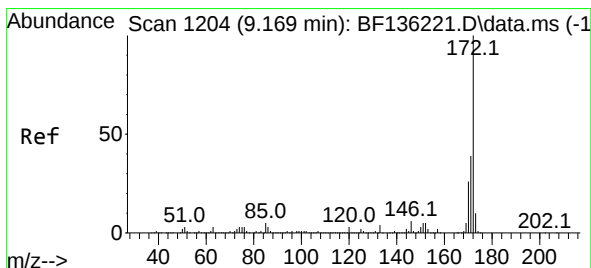
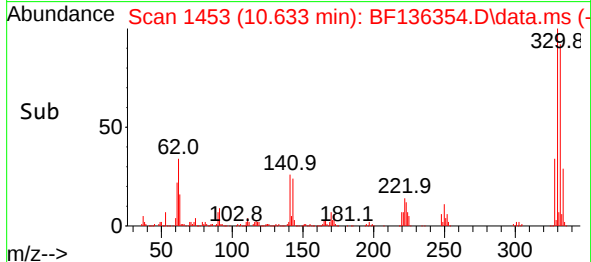
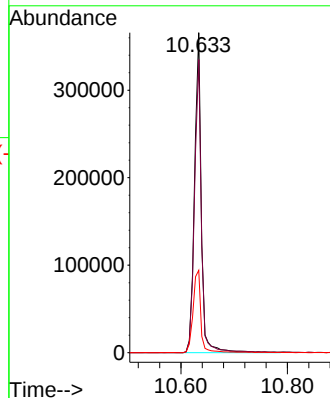
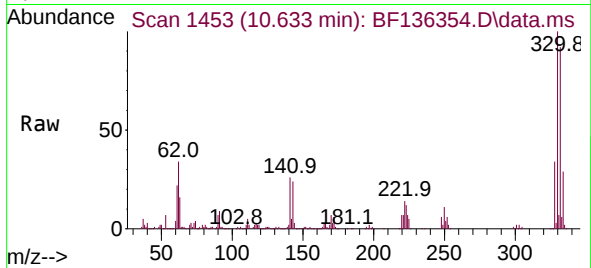
Tgt Ion:330 Resp: 326248

Ion Ratio Lower Upper

330 100

332 93.0 73.0 109.6

141 29.7 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 91.250 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

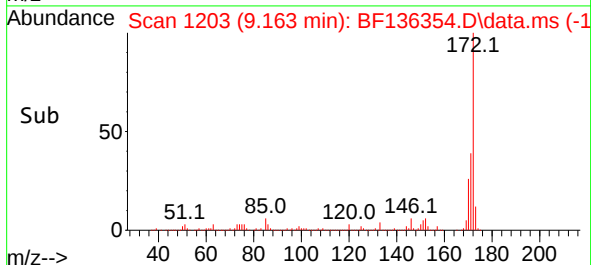
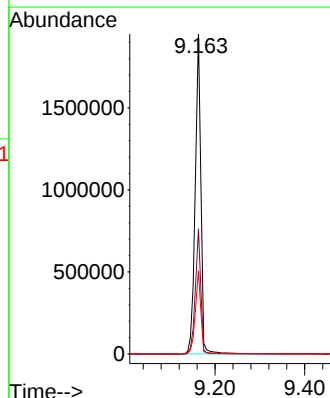
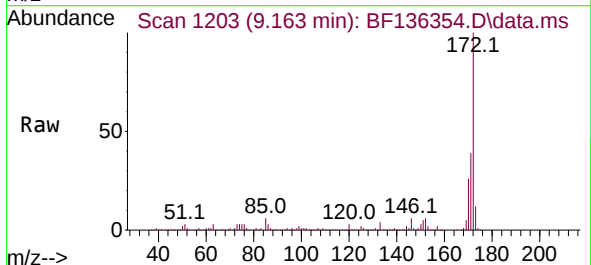
Tgt Ion:172 Resp: 1720834

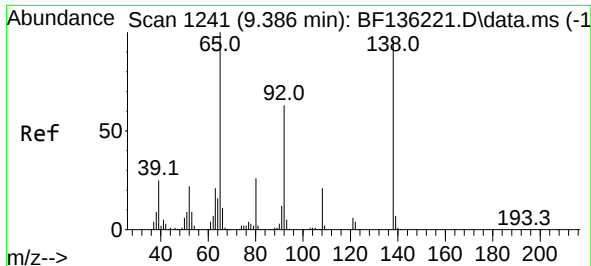
Ion Ratio Lower Upper

172 100

171 39.1 31.5 47.3

170 26.0 20.8 31.2





#48

2-Nitroaniline

Concen: 2.043 ng

RT: 9.281 min Scan# 1318

Delta R.T. -0.106 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Instrument :

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ClientSampleId :

A821

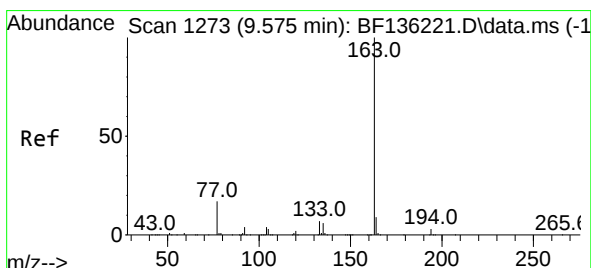
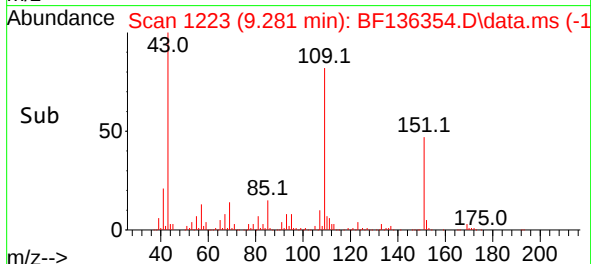
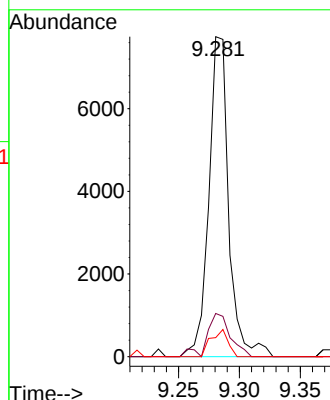
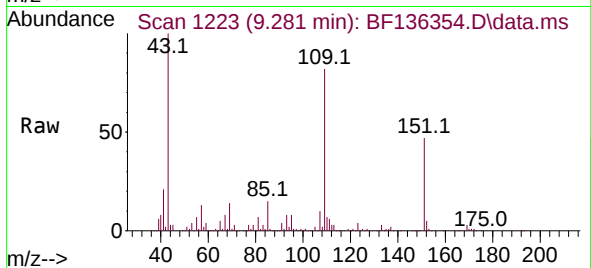
Tgt Ion: 65 Resp: 8801

Ion Ratio Lower Upper

65 100

92 13.5 50.6 75.8#

138 5.9 76.7 115.1#



#50

Dimethylphthalate

Concen: 2.672 ng

RT: 9.839 min Scan# 1318

Delta R.T. 0.265 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

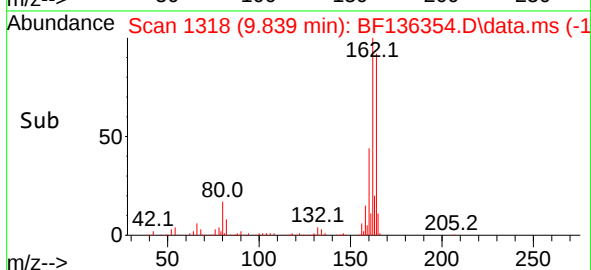
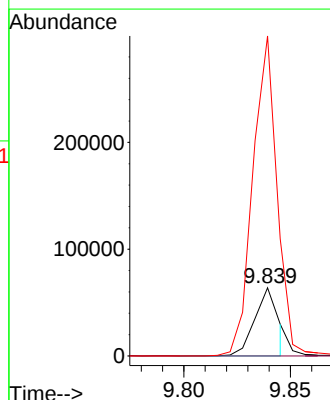
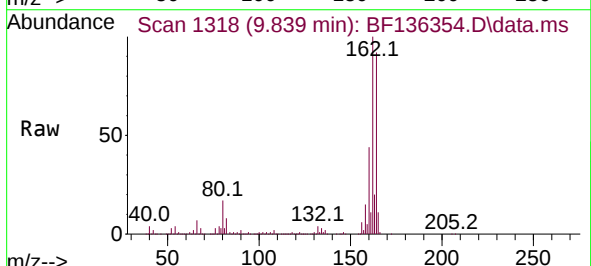
Tgt Ion: 163 Resp: 48638

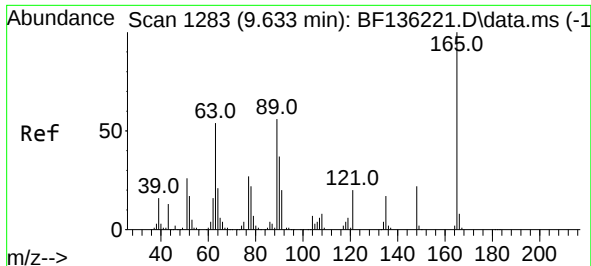
Ion Ratio Lower Upper

163 100

194 0.0 2.5 3.7#

164 469.7 7.0 10.6#





#51

2,6-Dinitrotoluene

Concen: 8.071 ng

RT: 9.839 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

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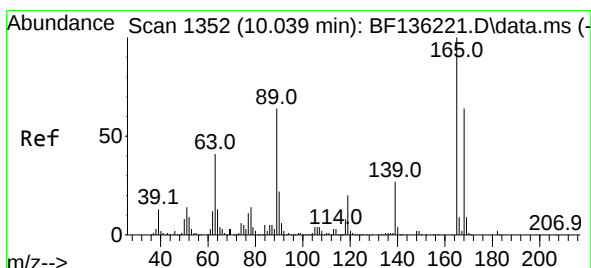
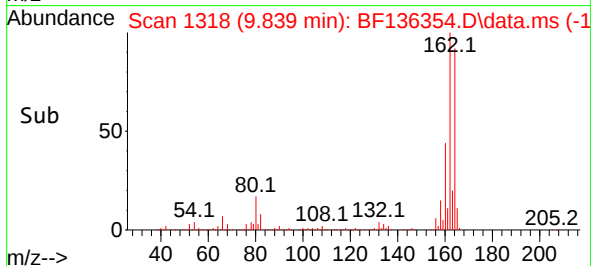
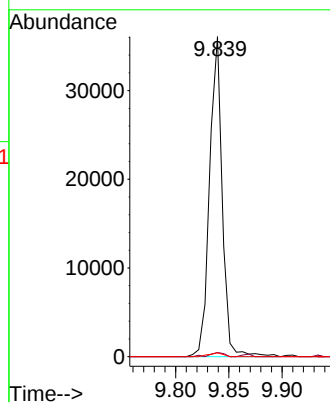
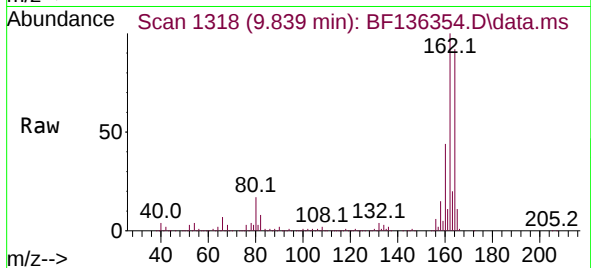
Tgt Ion:165 Resp: 30018

Ion Ratio Lower Upper

165 100

63 1.3 46.2 69.2#

89 1.2 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.042 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.200 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Tgt Ion:165 Resp: 30018

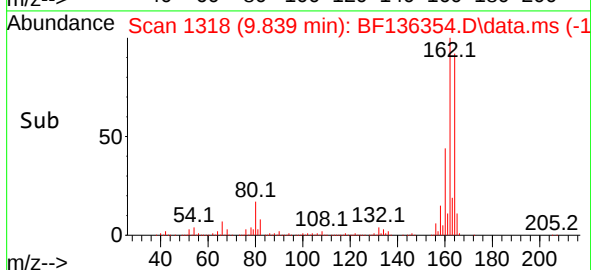
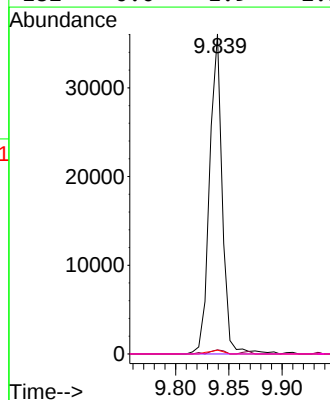
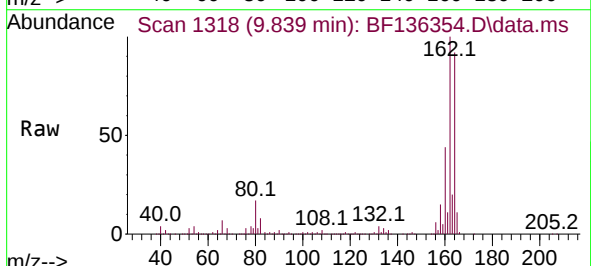
Ion Ratio Lower Upper

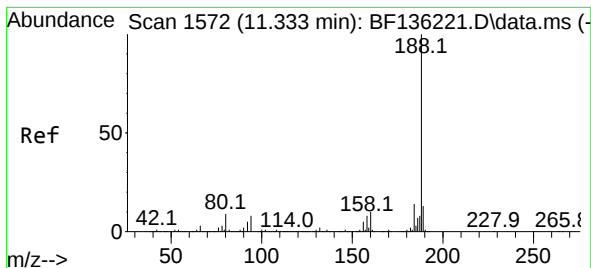
165 100

63 1.3 33.0 49.4#

89 1.2 51.5 77.3#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Instrument :

BNA_F

ClientSampleId :

A821

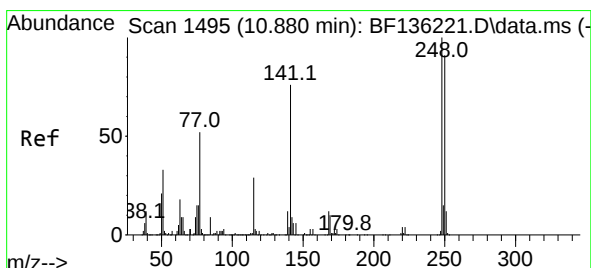
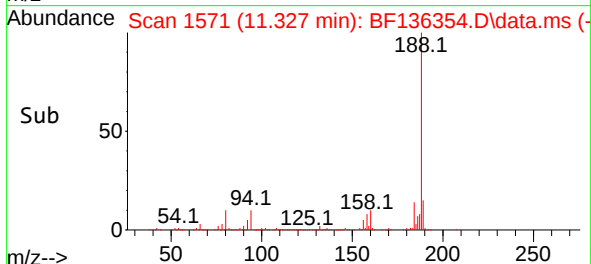
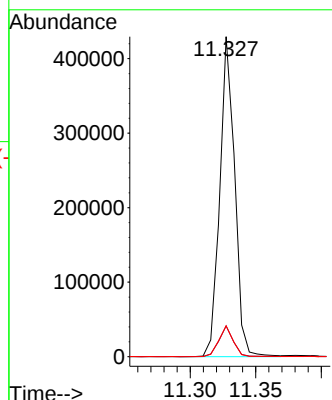
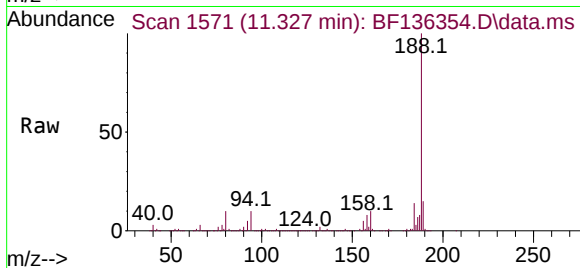
Tgt Ion:188 Resp: 338963

Ion Ratio Lower Upper

188 100

94 9.6 6.7 10.1

80 9.6 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.966 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

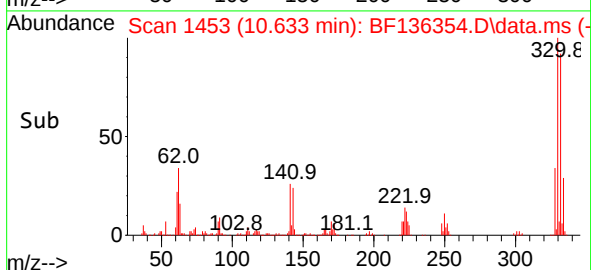
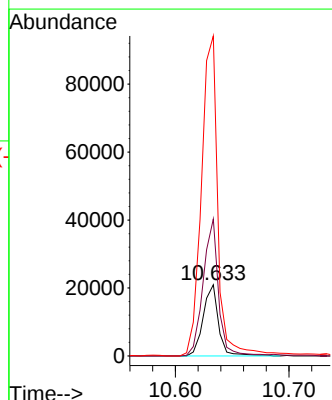
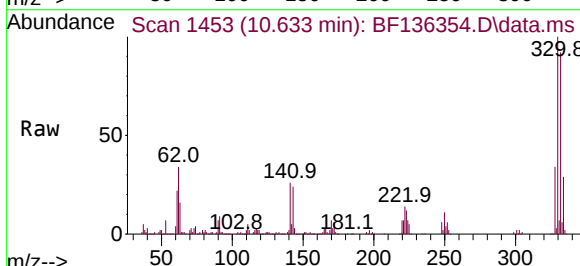
Tgt Ion:248 Resp: 19637

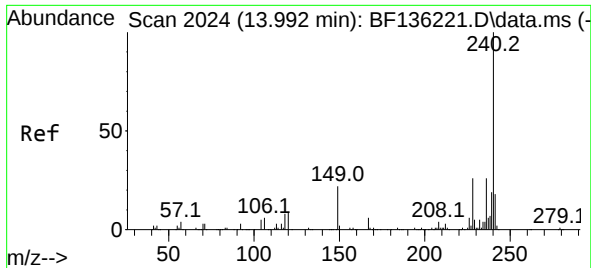
Ion Ratio Lower Upper

248 100

250 192.5 72.5 108.7#

141 449.8 60.8 91.2#

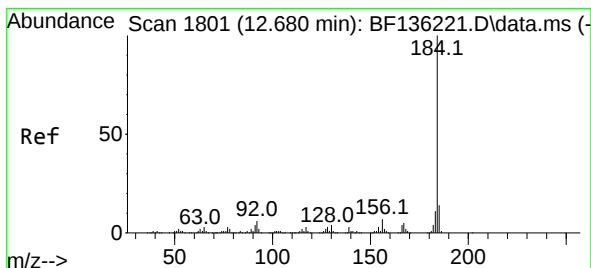
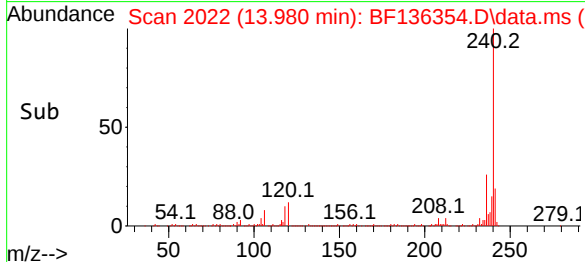
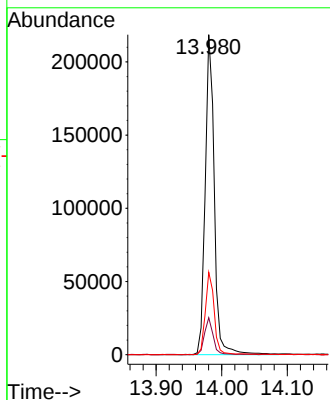
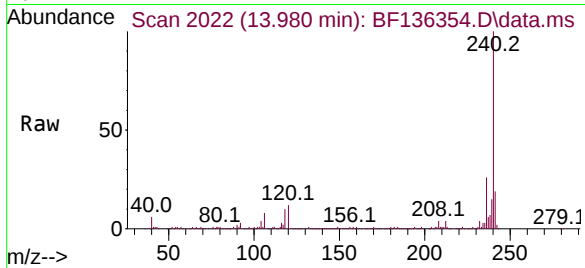




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

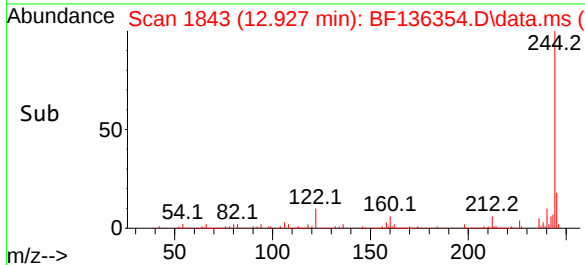
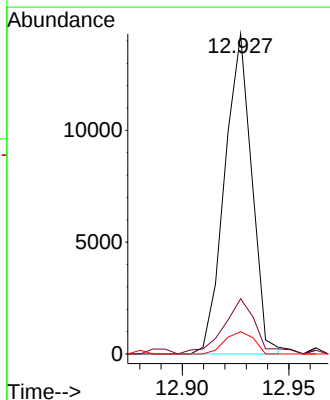
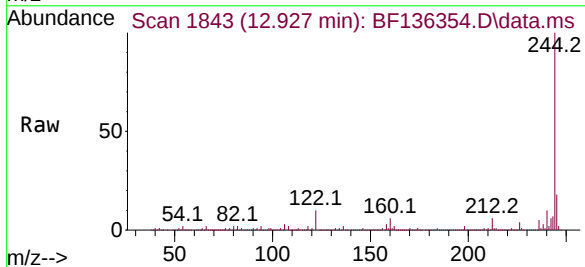
Instrument :
BNA_F
ClientSampleId :
A821

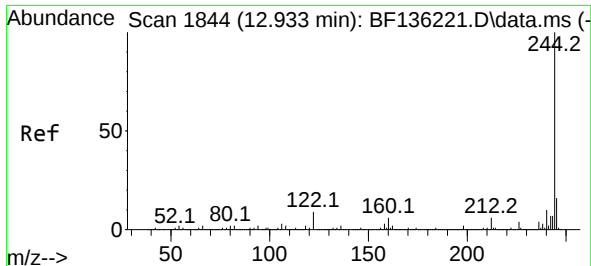
Tgt Ion:240 Resp: 211619
Ion Ratio Lower Upper
240 100
120 11.5 7.4 11.2#
236 25.8 21.1 31.7



#77
Benzidine
Concen: 3.646 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF136354.D
Acq: 02 Dec 2023 01:12

Tgt Ion:184 Resp: 12682
Ion Ratio Lower Upper
184 100
185 17.3 11.0 16.6#
183 7.0 9.0 13.4#

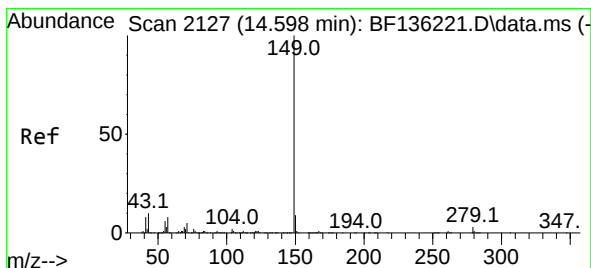
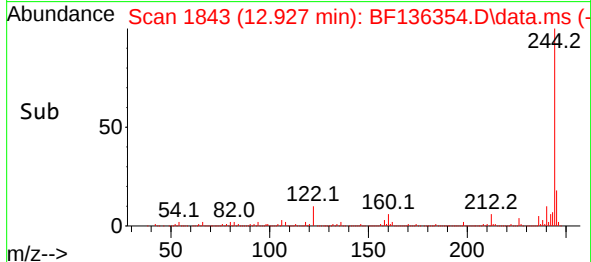
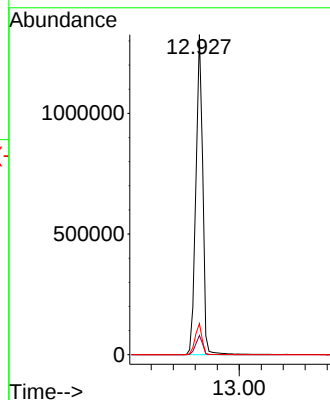
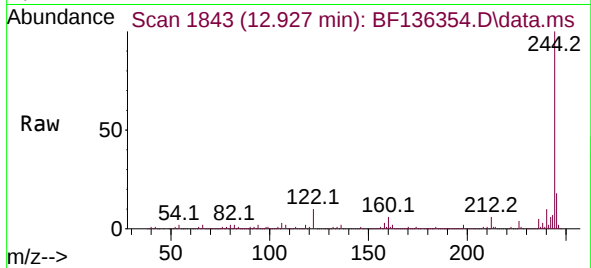




#79
 Terphenyl-d14
 Concen: 62.318 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136354.D
 Acq: 02 Dec 2023 01:12

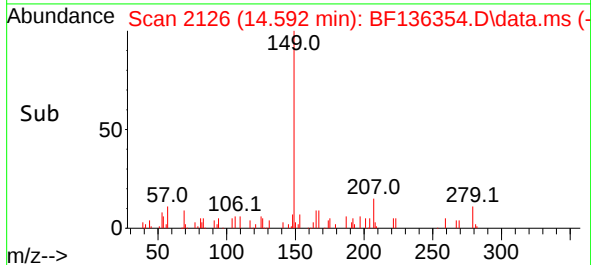
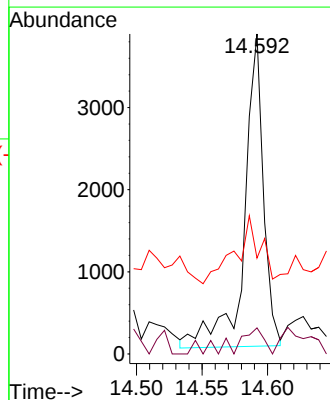
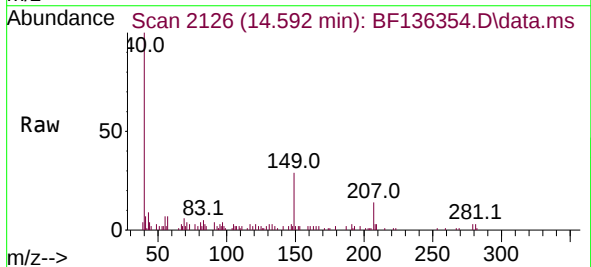
Instrument :
 BNA_F
 ClientSampleId :
 A821

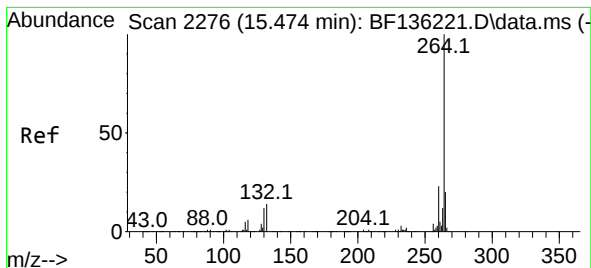
Tgt Ion:244 Resp: 1143282
 Ion Ratio Lower Upper
 244 100
 212 6.0 4.6 7.0
 122 9.8 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.409 ng
 RT: 14.592 min Scan# 2126
 Delta R.T. -0.006 min
 Lab File: BF136354.D
 Acq: 02 Dec 2023 01:12

Tgt Ion:149 Resp: 3881
 Ion Ratio Lower Upper
 149 100
 167 10.2 1.0 1.6#
 43 29.1 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

Instrument :

BNA_F

ClientSampleId :

A821

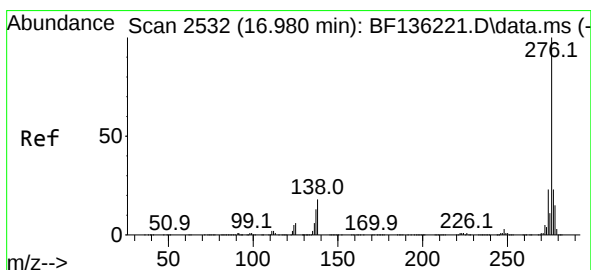
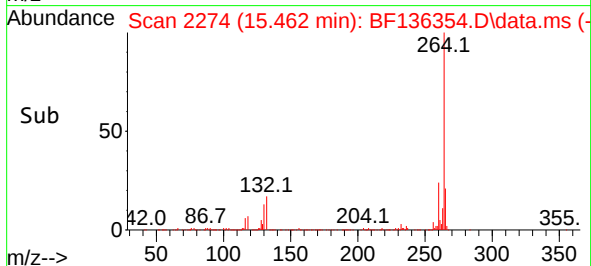
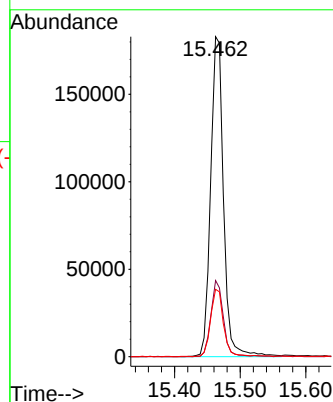
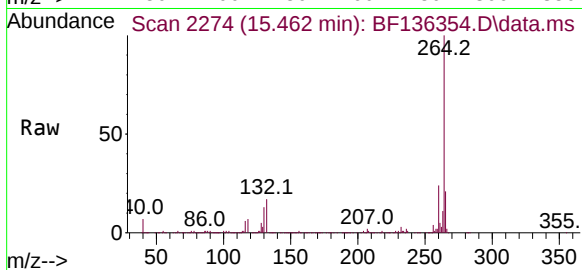
Tgt Ion:264 Resp: 250829

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 21.0 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.857 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136354.D

Acq: 02 Dec 2023 01:12

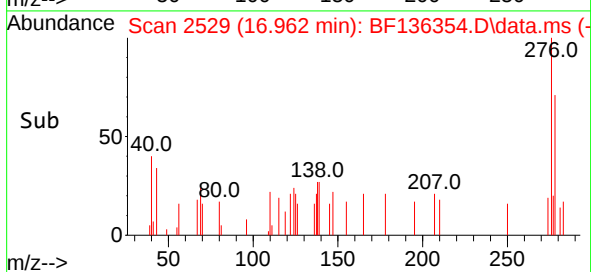
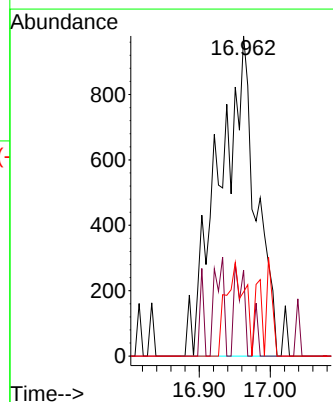
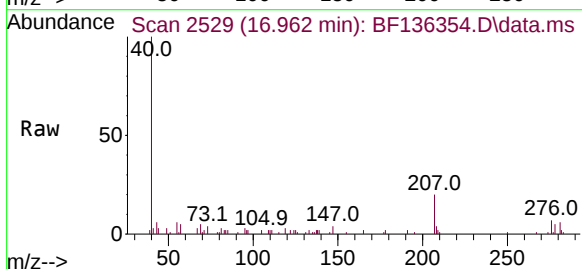
Tgt Ion:276 Resp: 3538

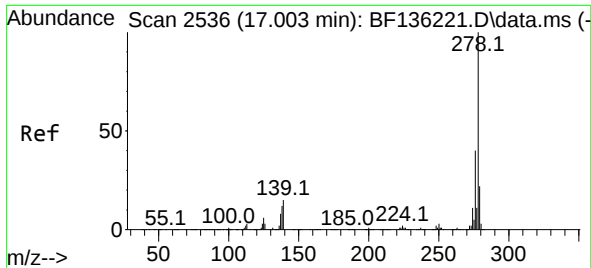
Ion Ratio Lower Upper

276 100

138 7.1 17.7 26.5#

277 14.5 19.6 29.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.827 ng
 RT: 16.951 min Scan# 21
 Delta R.T. -0.052 min
 Lab File: BF136354.D
 Acq: 02 Dec 2023 01:12

Instrument :
 BNA_F
 ClientSampleId :
 A821

Tgt Ion:278 Resp: 1810
 Ion Ratio Lower Upper
 278 100
 139 21.5 11.7 17.5#
 279 0.0 17.8 26.8#

