

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136693.D
 Acq On : 22 Dec 2023 19:12
 Operator : CG\JU
 Sample : 05791-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 597-A-J

Quant Time: Dec 23 01:54:42 2023
 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)

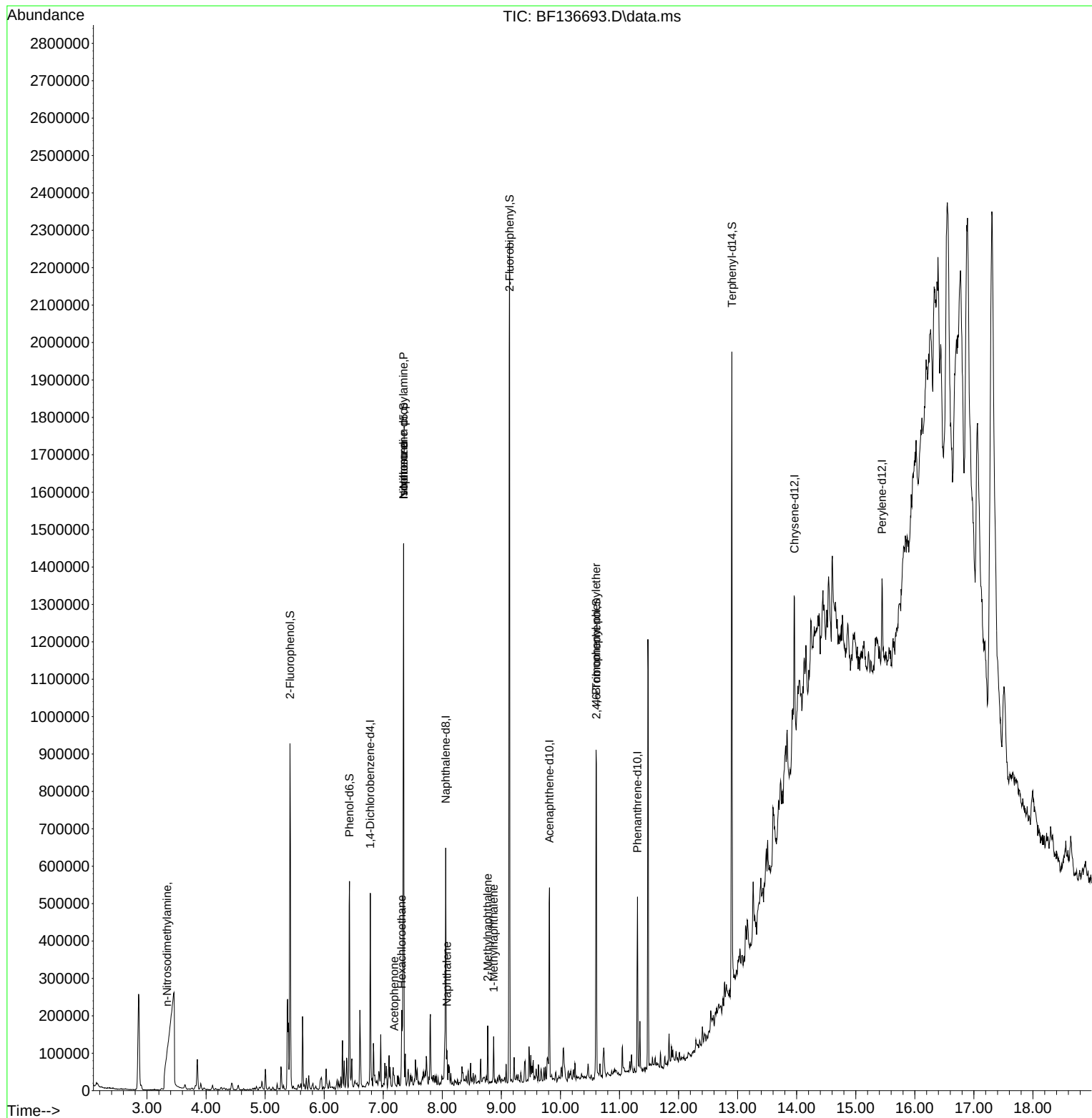
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66476	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	237738	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	100582	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	154108	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	128602	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	107861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	238392	55.954	ng	0.00
7) Phenol-d6	6.428	99	175988	31.879	ng	-0.01
23) Nitrobenzene-d5	7.345	82	396895	85.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	115182	97.235	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	698058	93.345	ng	-0.01
79) Terphenyl-d14	12.904	244	571270	62.078	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.340	42	5958	2.576	ng	# 1
18) Hexachloroethane	7.310	117	8416	4.459	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	52490	15.685	ng	# 76
22) Acetophenone	7.186	105	13296	2.231	ng	# 83
25) Isophorone	7.345	82	396597	46.914	ng	# 65
31) Naphthalene	8.080	128	26412	2.022	ng	96
37) 2-Methylnaphthalene	8.769	142	34876	4.149	ng	100
38) 1-Methylnaphthalene	8.869	142	27429	3.326	ng	98
67) 4-Bromophenyl-phenylether	10.604	248	6785	3.964	ng	# 1

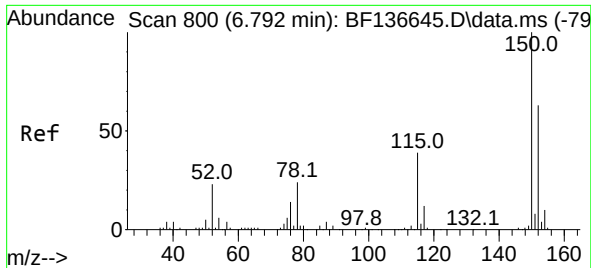
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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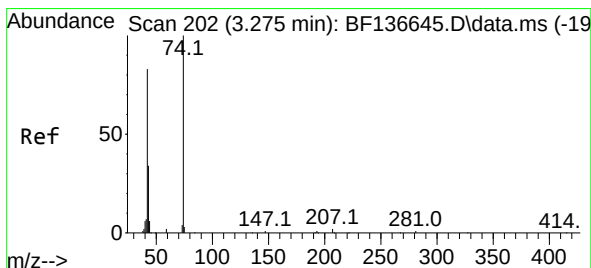
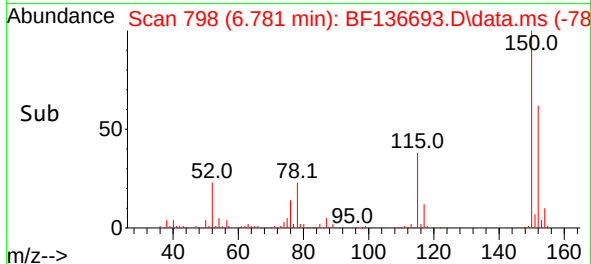
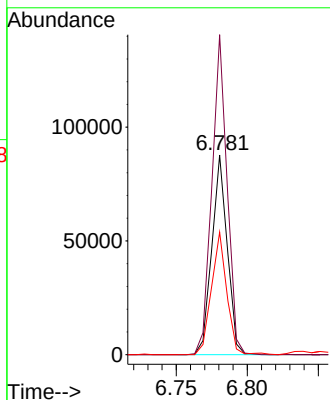
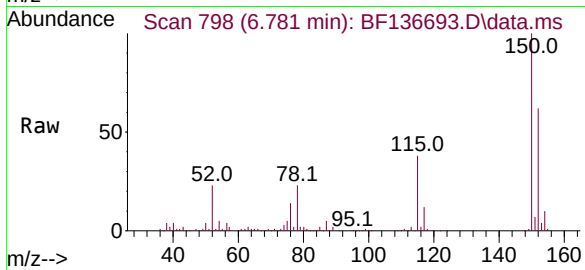




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

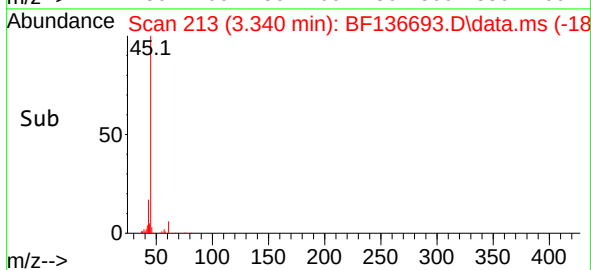
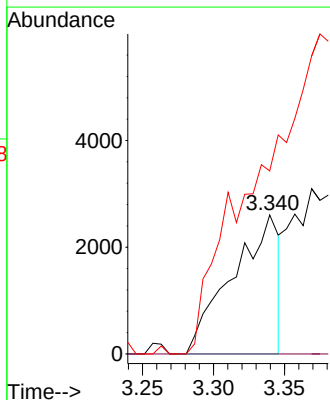
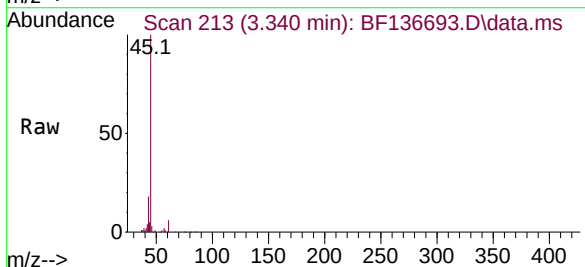
Instrument :
BNA_F
ClientSampleId :
597-A-J

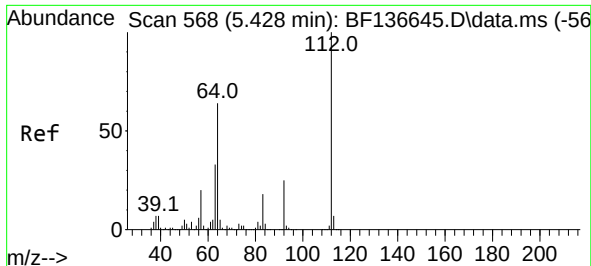
Tgt Ion:152 Resp: 66476
Ion Ratio Lower Upper
152 100
150 160.3 127.0 190.6
115 61.4 49.0 73.4



#4
n-Nitrosodimethylamine
Concen: 2.576 ng
RT: 3.340 min Scan# 213
Delta R.T. 0.065 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Tgt Ion: 42 Resp: 5958
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 131.7 5.4 8.2#

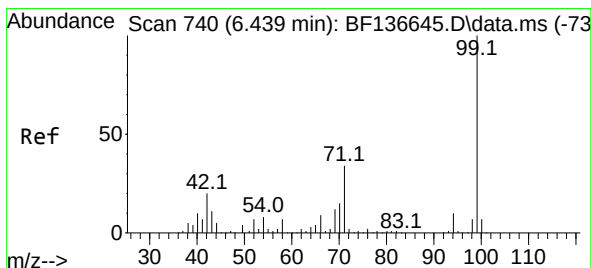
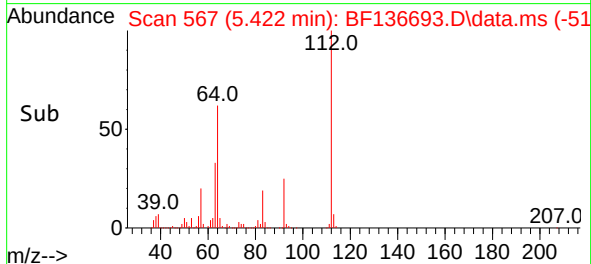
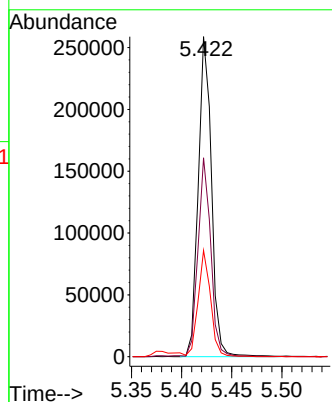
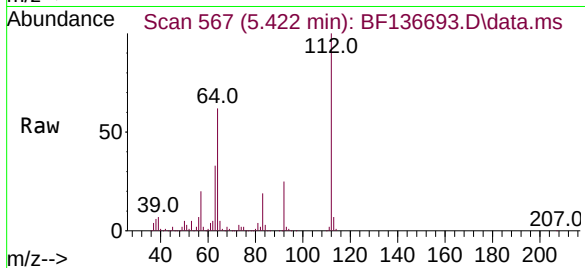




#5
2-Fluorophenol
Concen: 55.954 ng
RT: 5.422 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

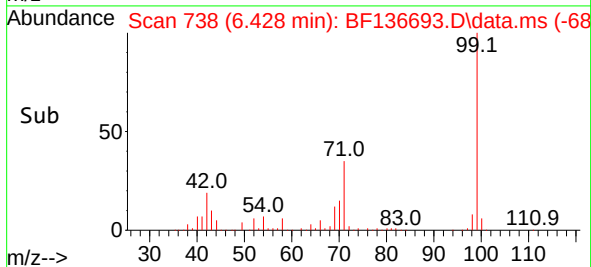
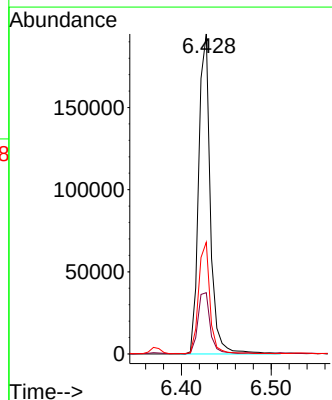
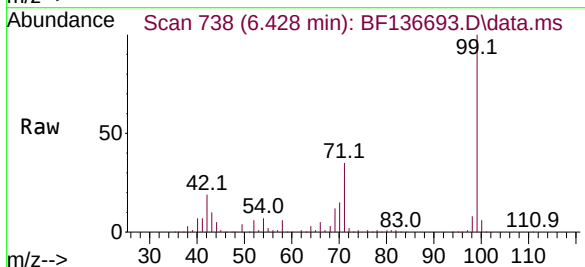
Instrument :
BNA_F
ClientSampleId :
597-A-J

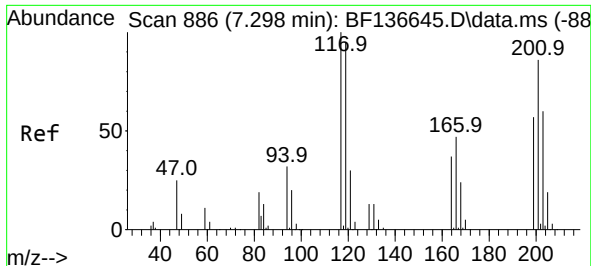
Tgt Ion:112 Resp: 238392
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 33.2 26.1 39.1



#7
Phenol-d6
Concen: 31.879 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Tgt Ion: 99 Resp: 175988
Ion Ratio Lower Upper
99 100
42 19.2 16.1 24.1
71 34.9 27.4 41.2

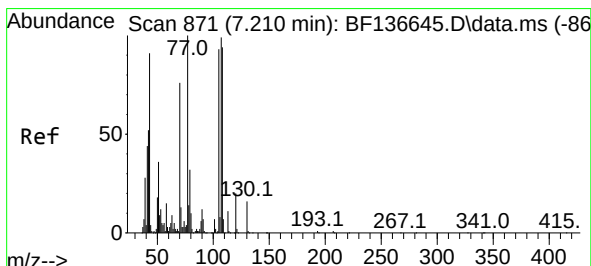
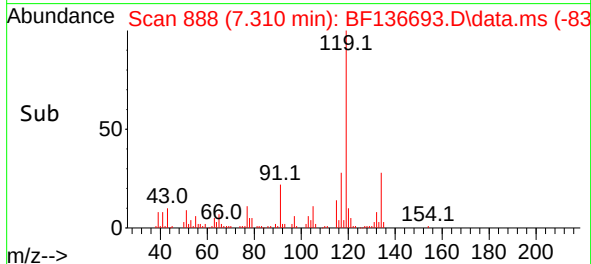
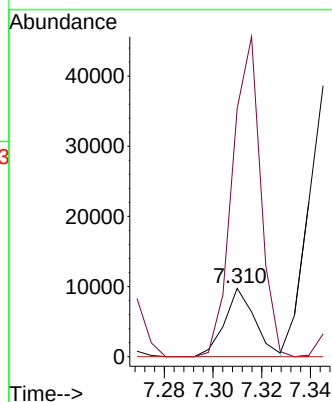
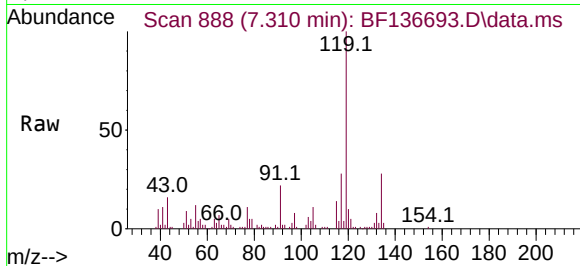




#18
Hexachloroethane
Concen: 4.459 ng
RT: 7.310 min Scan# 886
Delta R.T. 0.012 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

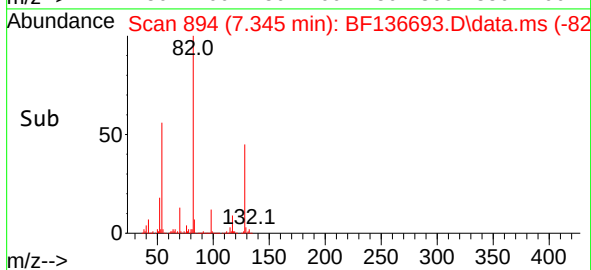
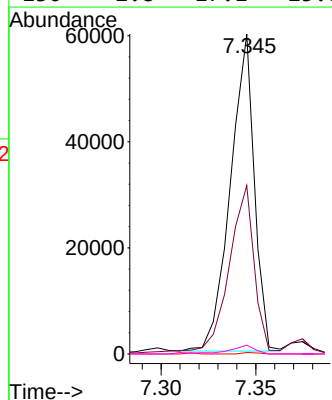
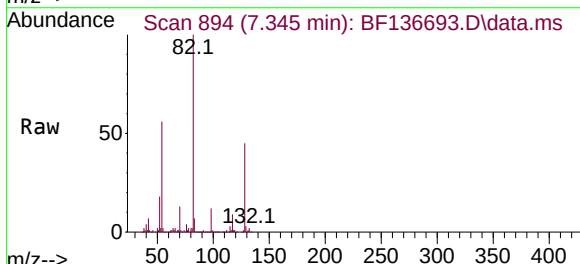
Instrument :
BNA_F
Client SampleId :
597-A-J

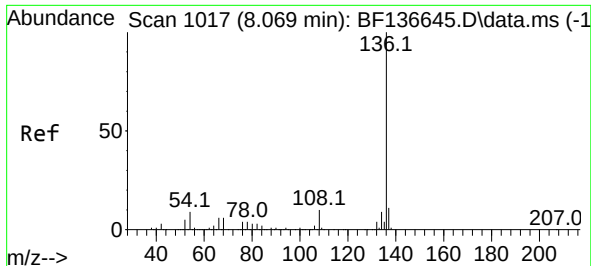
Tgt Ion:117 Resp: 8416
Ion Ratio Lower Upper
117 100
119 362.9 75.8 113.6#
201 0.0 69.1 103.7#



#19
n-Nitroso-di-n-propylamine
Concen: 15.685 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Tgt Ion: 70 Resp: 52490
Ion Ratio Lower Upper
70 100
42 52.7 54.2 81.4#
101 0.5 7.6 11.4#
130 2.8 17.1 25.7#



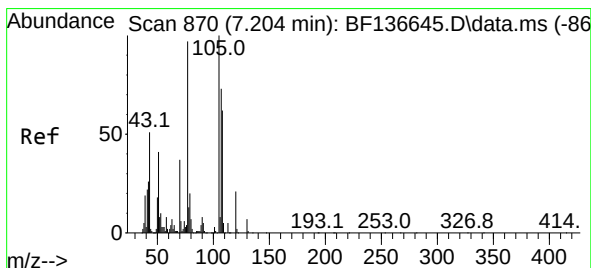
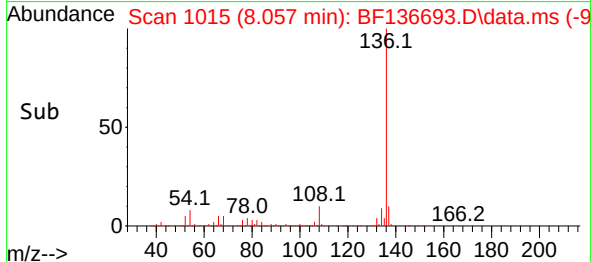
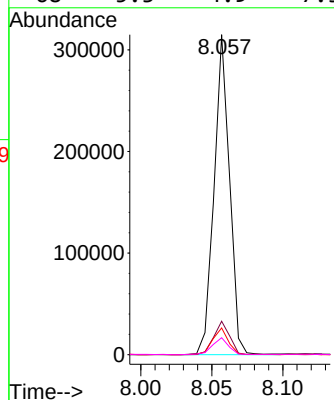
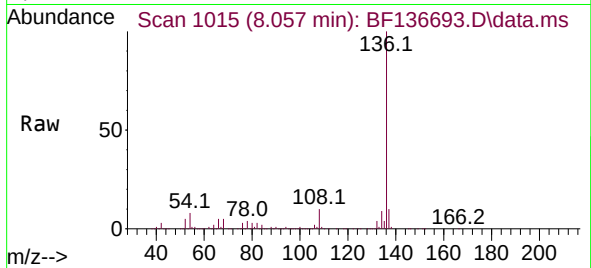


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Instrument :
BNA_F
ClientSampleId :
597-A-J

Tgt Ion:136 Resp: 237738

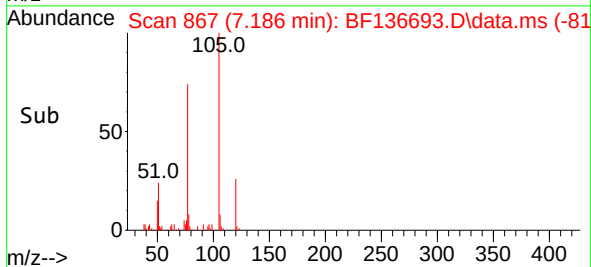
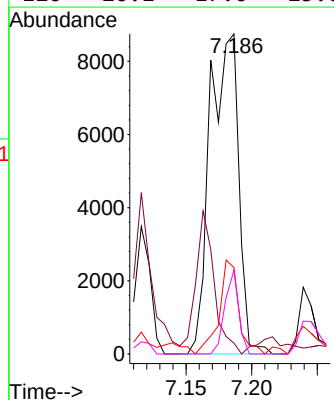
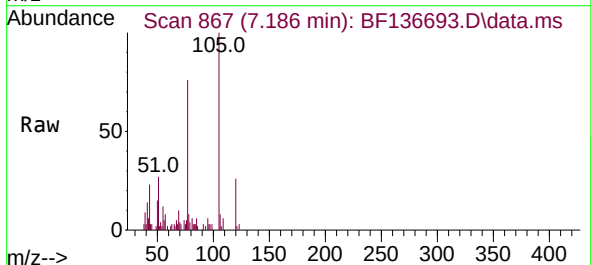
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	8.4	7.2	10.8
68	5.3	4.9	7.3

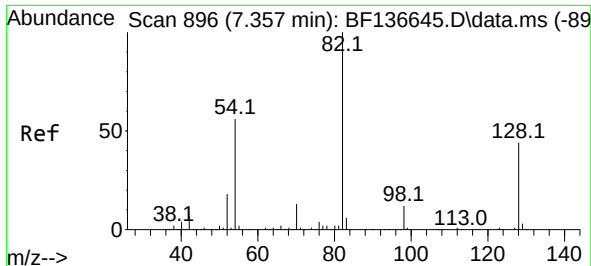


#22
Acetophenone
Concen: 2.231 ng
RT: 7.186 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Tgt Ion:105 Resp: 13296

Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.8	7.2#
51	27.0	32.8	49.2#
120	26.1	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 85.428 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

Instrument :

BNA_F

ClientSampleId :

597-A-J

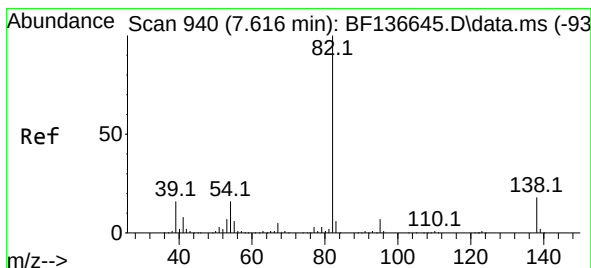
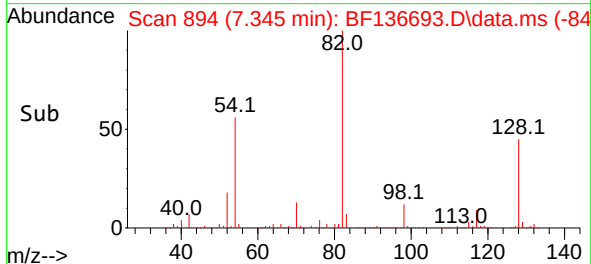
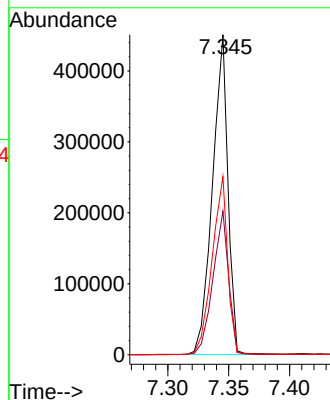
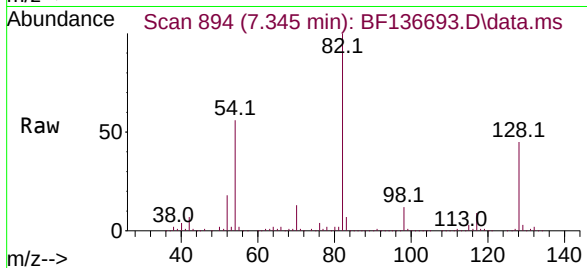
Tgt Ion: 82 Resp: 396895

Ion Ratio Lower Upper

82 100

128 44.9 35.3 52.9

54 55.7 44.5 66.7



#25

Isophorone

Concen: 46.914 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

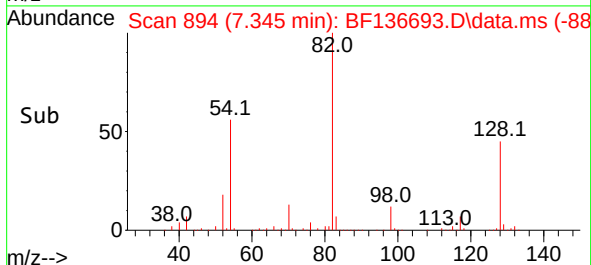
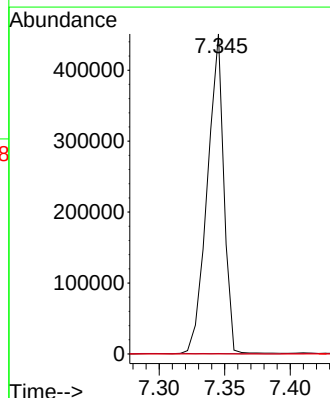
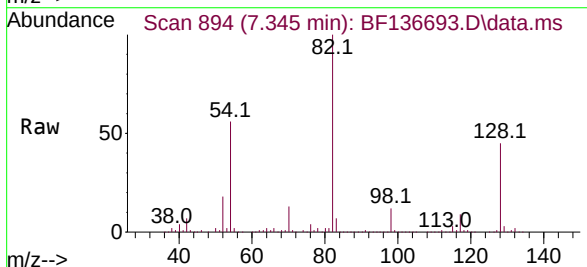
Tgt Ion: 82 Resp: 396597

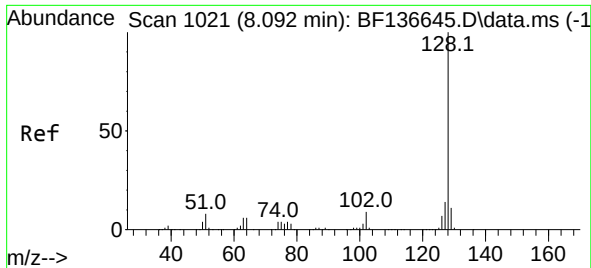
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 14.5 21.7#

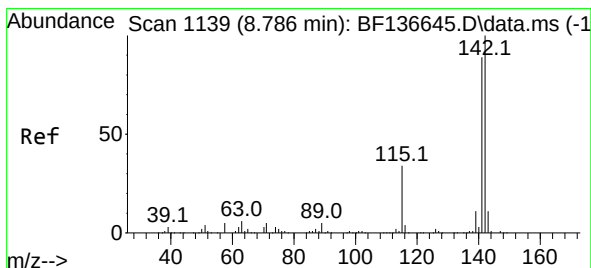
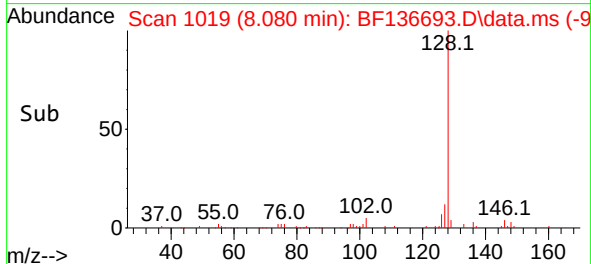
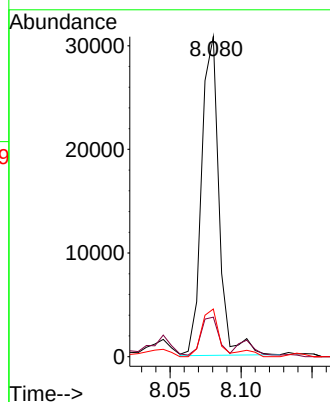
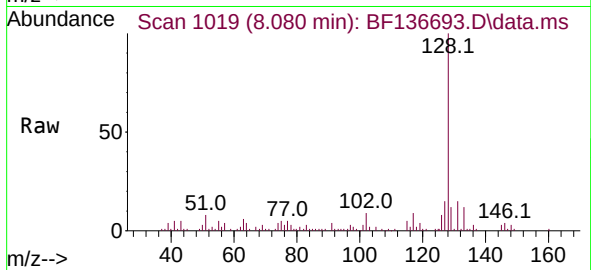




#31
Naphthalene
Concen: 2.022 ng
RT: 8.080 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

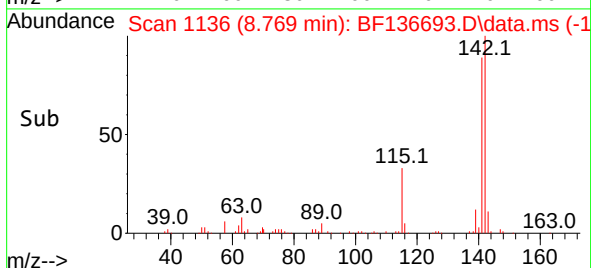
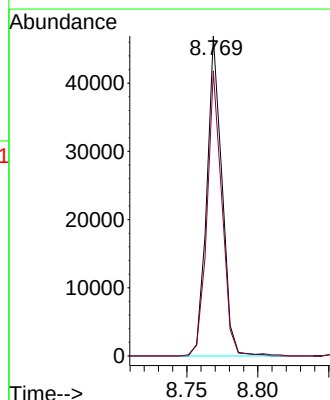
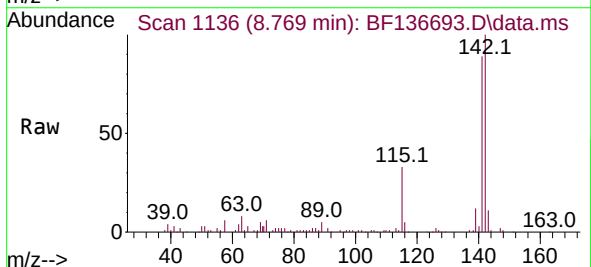
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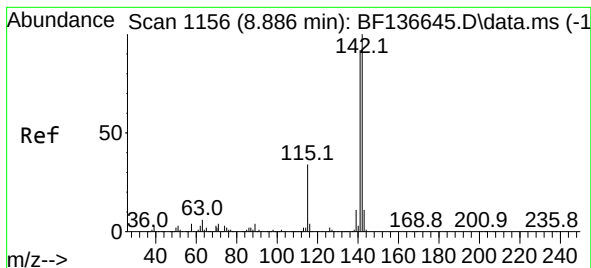
Tgt Ion:128 Resp: 26412
Ion Ratio Lower Upper
128 100
129 12.4 8.7 13.1
127 14.9 10.8 16.2



#37
2-Methylnaphthalene
Concen: 4.149 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136693.D
Acq: 22 Dec 2023 19:12

Tgt Ion:142 Resp: 34876
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7





#38

1-Methylnaphthalene

Concen: 3.326 ng

RT: 8.869 min Scan# 1156

Delta R.T. -0.018 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

Instrument :

BNA_F

ClientSampleId :

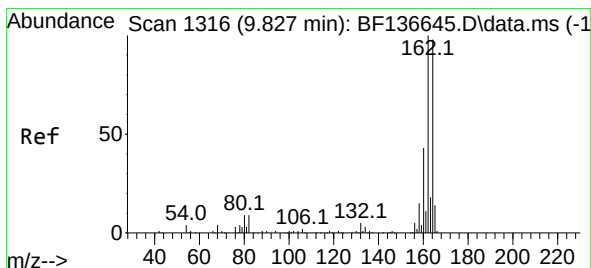
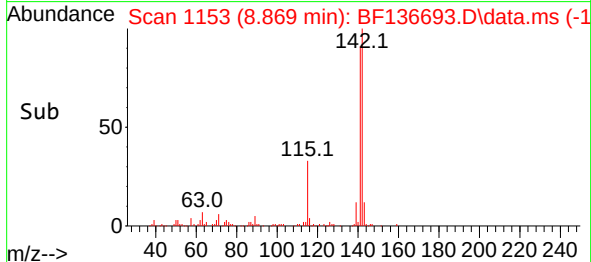
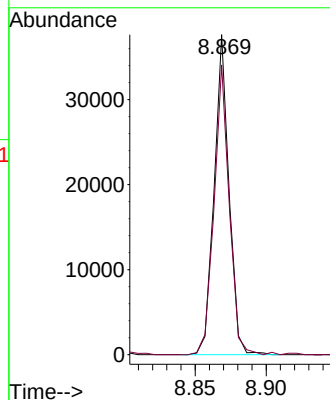
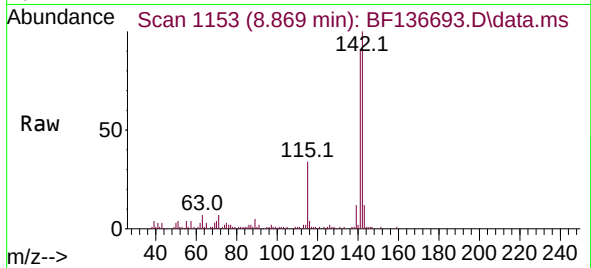
597-A-J

Tgt Ion:142 Resp: 27429

Ion Ratio Lower Upper

142 100

141 90.6 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

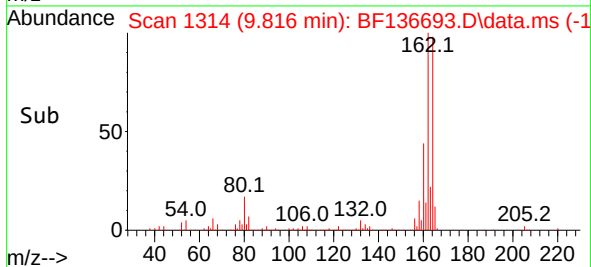
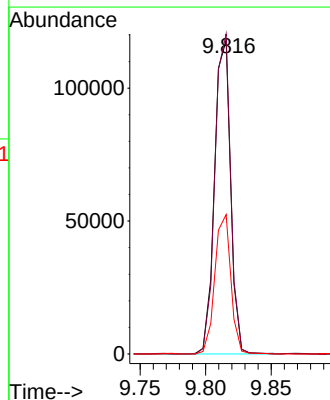
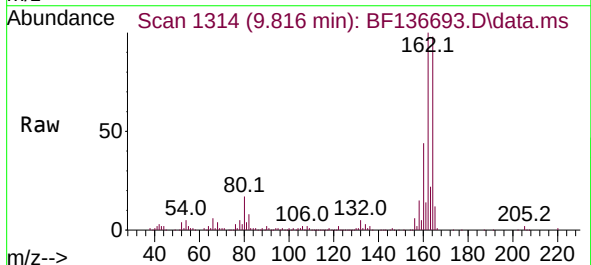
Tgt Ion:164 Resp: 100582

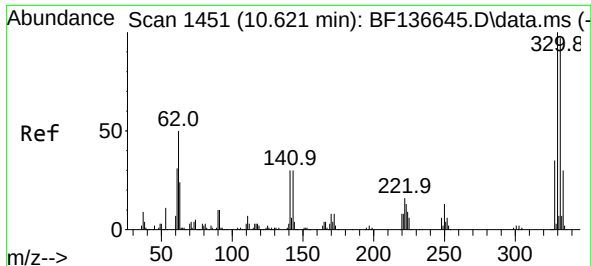
Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

160 44.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 97.235 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

Instrument :

BNA_F

ClientSampleId :

597-A-J

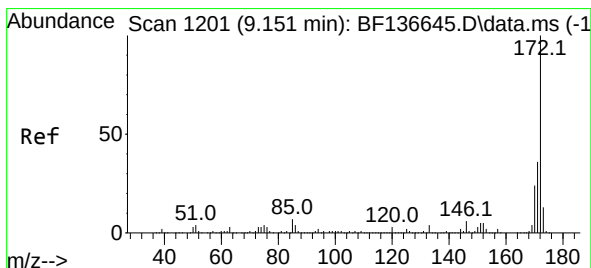
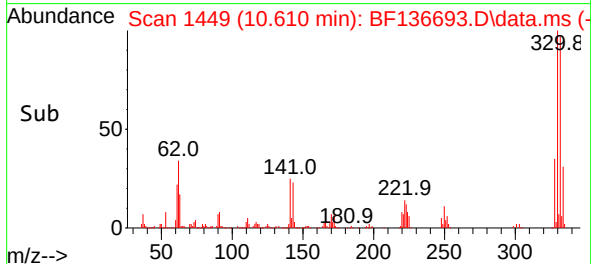
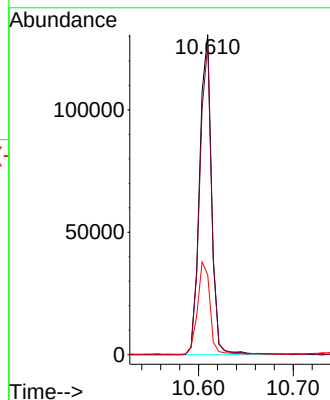
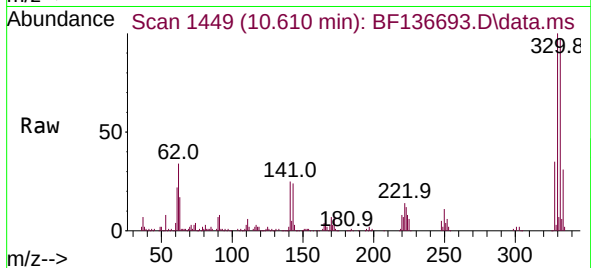
Tgt Ion:330 Resp: 115182

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 93.345 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

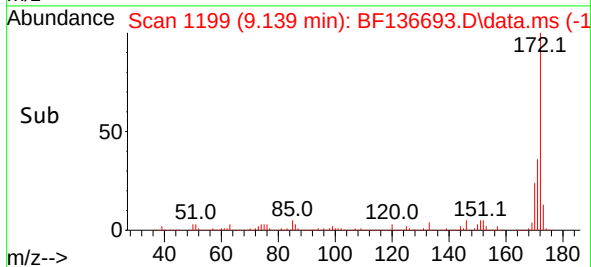
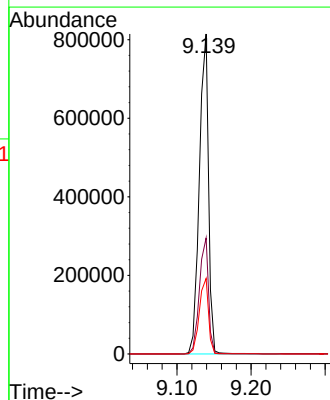
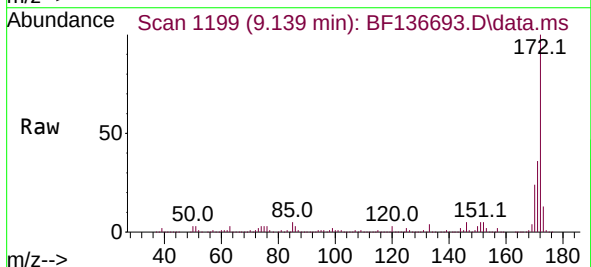
Tgt Ion:172 Resp: 698058

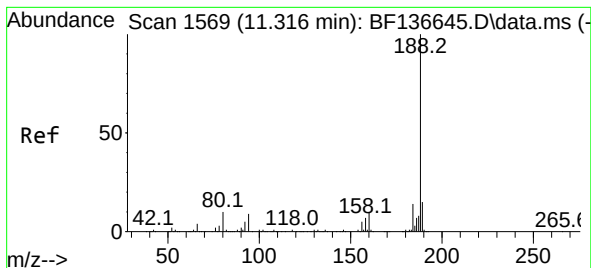
Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.6

170 23.6 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

Instrument :

BNA_F

ClientSampleId :

597-A-J

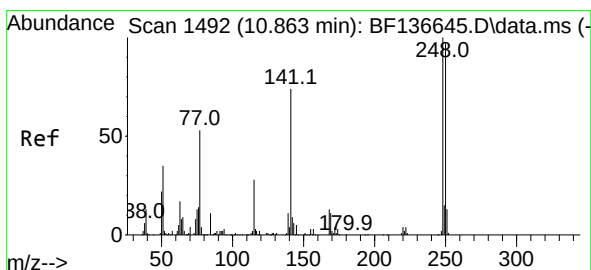
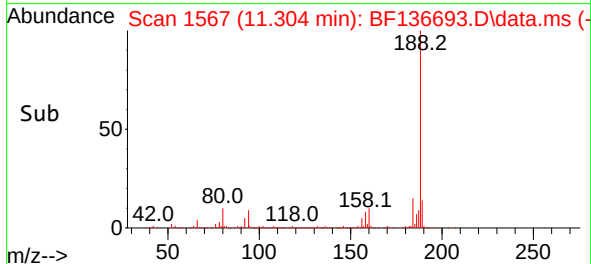
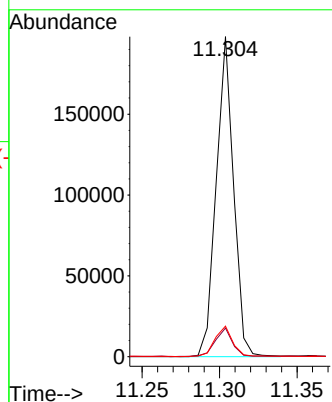
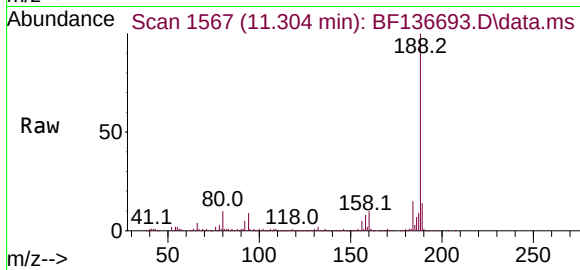
Tgt Ion:188 Resp: 154108

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.6 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.964 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.259 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

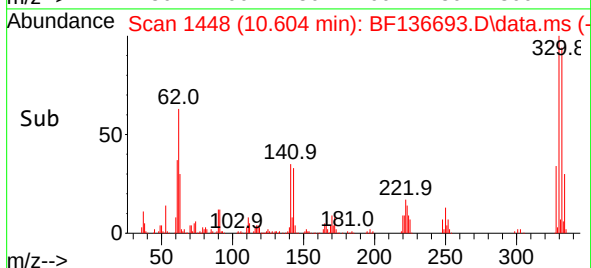
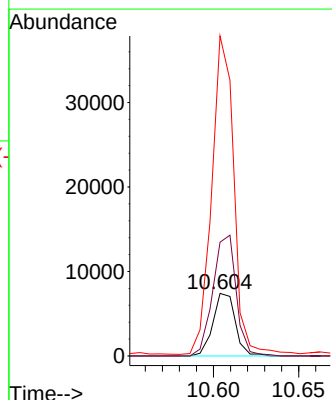
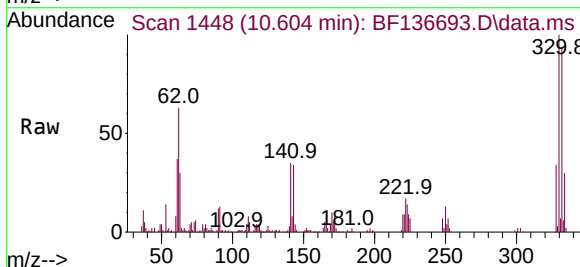
Tgt Ion:248 Resp: 6785

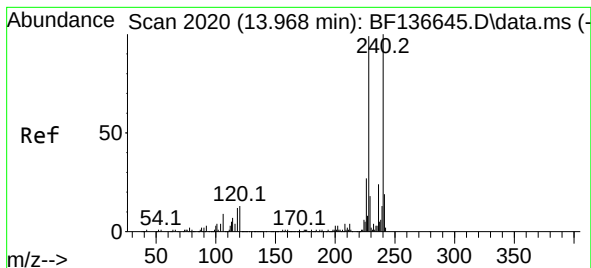
Ion Ratio Lower Upper

248 100

250 182.0 77.8 116.6#

141 512.0 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

Instrument :

BNA_F

ClientSampleId :

597-A-J

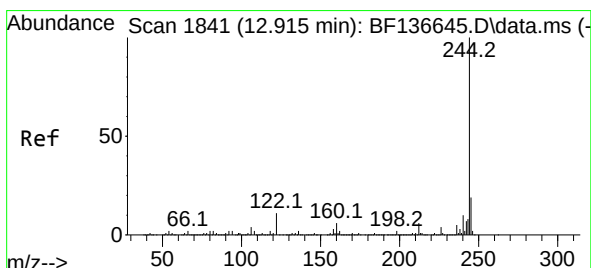
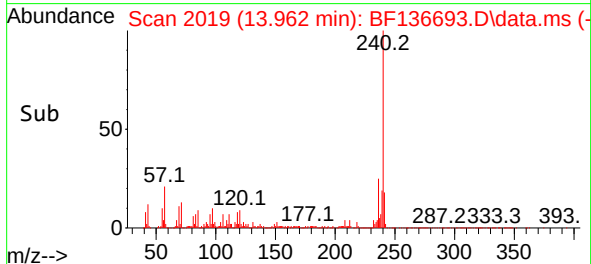
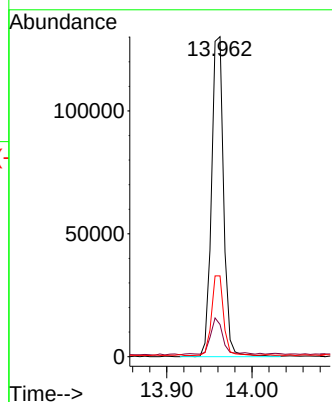
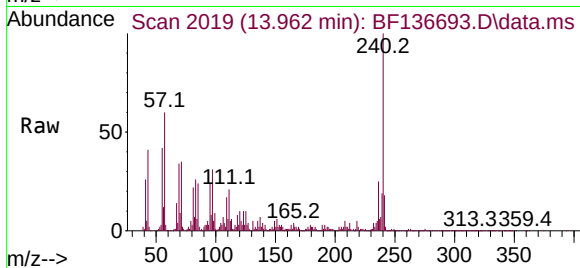
Tgt Ion:240 Resp: 128602

Ion Ratio Lower Upper

240 100

120 10.0 10.3 15.5#

236 25.2 19.4 29.2



#79

Terphenyl-d14

Concen: 62.078 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136693.D

Acq: 22 Dec 2023 19:12

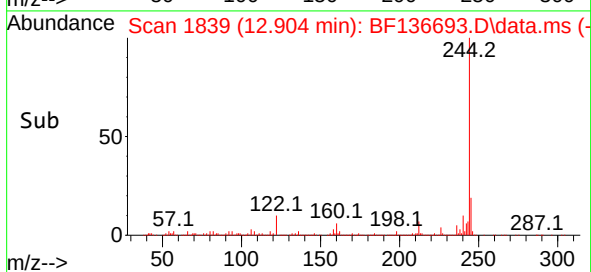
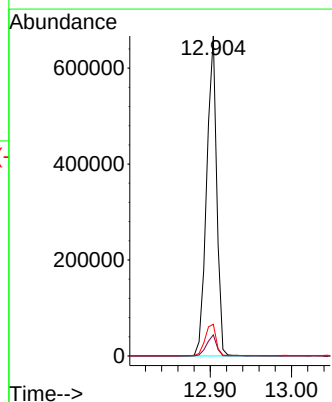
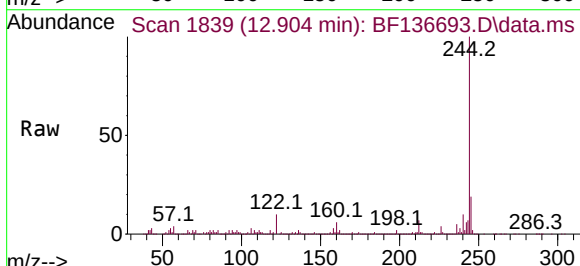
Tgt Ion:244 Resp: 571270

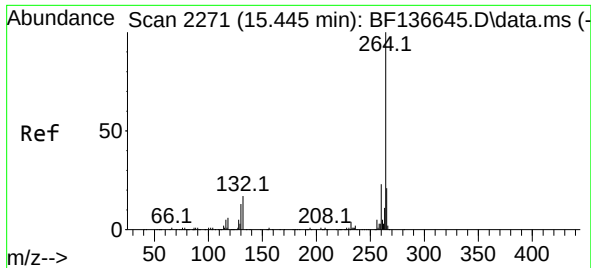
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 9.9 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF136693.D
 Acq: 22 Dec 2023 19:12

Instrument :
 BNA_F
 ClientSampleId :
 597-A-J

Tgt Ion:264 Resp: 107861
 Ion Ratio Lower Upper
 264 100
 260 21.6 18.3 27.5
 265 21.9 17.0 25.6

