

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136767.D
 Acq On : 27 Dec 2023 19:58
 Operator : CG\JU
 Sample : 05791-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 597-P-2RE

Quant Time: Dec 27 22:46:17 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)

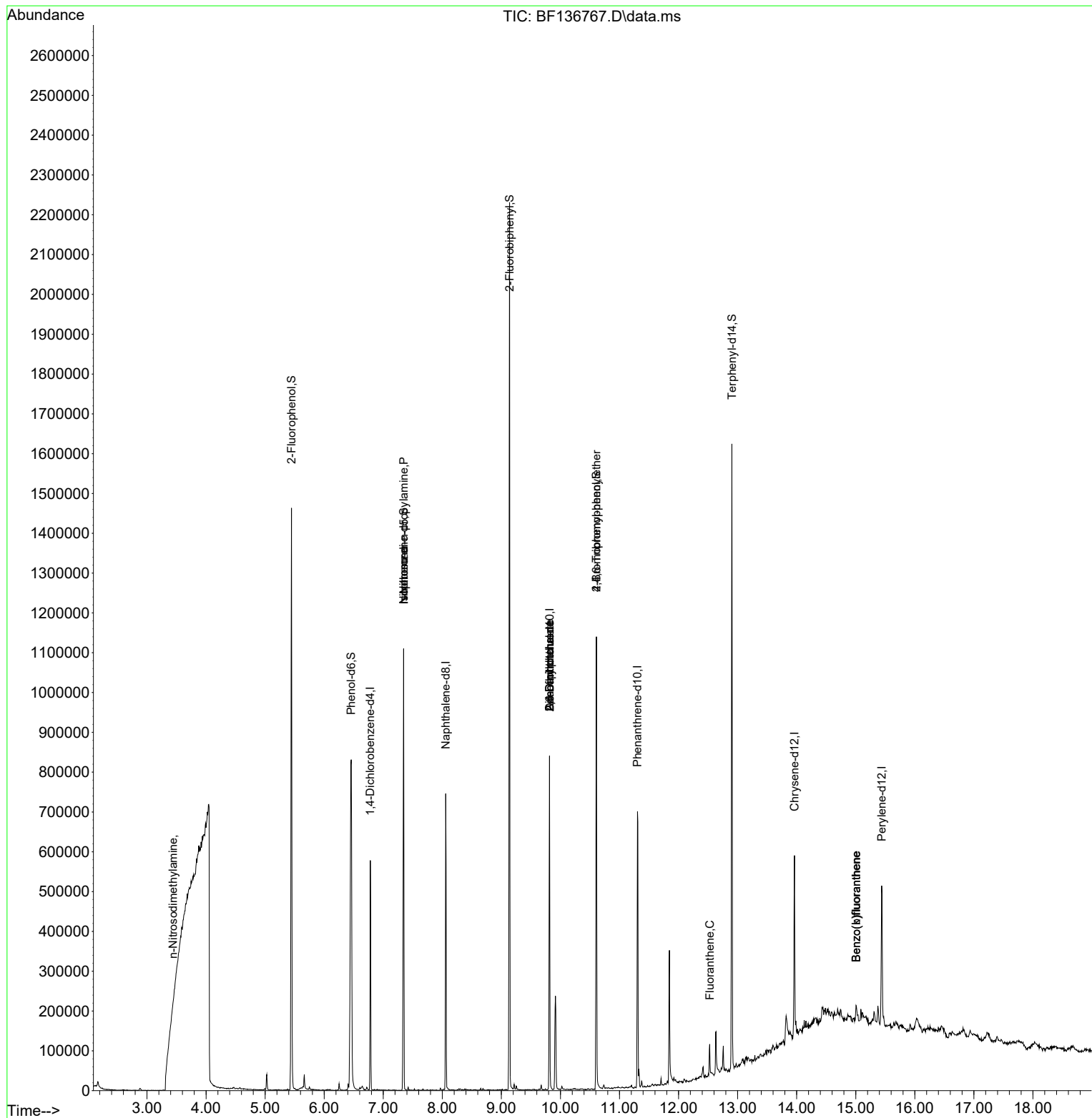
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79319	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	301841	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	155630	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	269362	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	149241	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	176638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	418996	82.421	ng	0.02
7) Phenol-d6	6.457	99	524175	79.575	ng	0.02
23) Nitrobenzene-d5	7.345	82	318493	53.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	138375	75.496	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	648515	56.046	ng	-0.01
79) Terphenyl-d14	12.904	244	540660	50.626	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.440	42	24717	8.956	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	41899	10.493	ng	# 76
25) Isophorone	7.345	82	318543	29.678	ng	# 65
50) Dimethylphthalate	9.816	163	31048	2.731	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	20109	7.795	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	20109	6.004	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	7975	2.666	ng	# 1
75) Fluoranthene	12.527	202	32547	2.202	ng	98
88) Benzo(b)fluoranthene	15.010	252	31000	2.628	ng	# 79
89) Benzo(k)fluoranthene	15.010	252	31000	2.781	ng	# 79

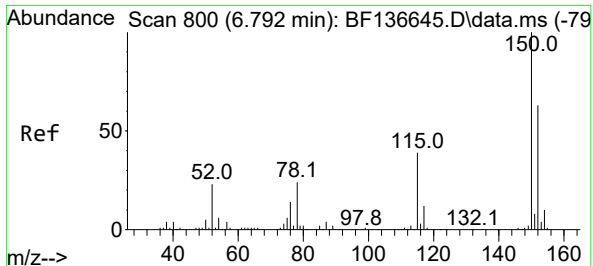
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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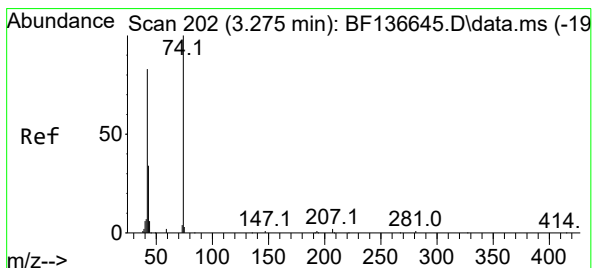
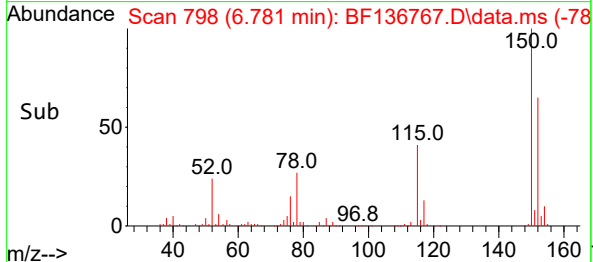
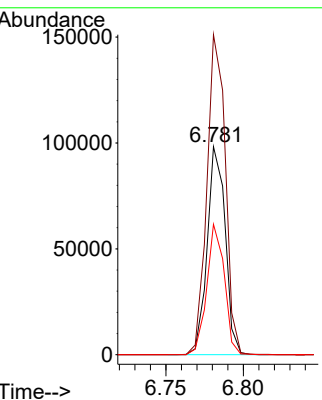
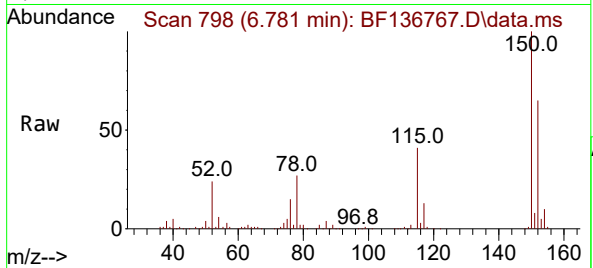




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

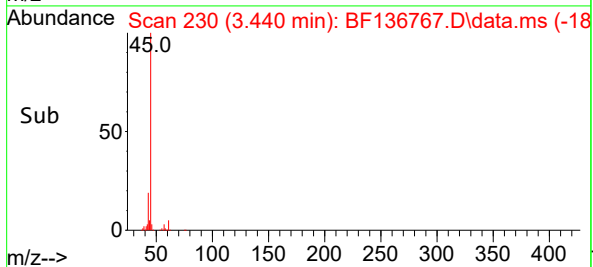
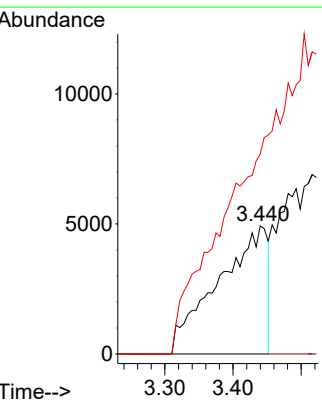
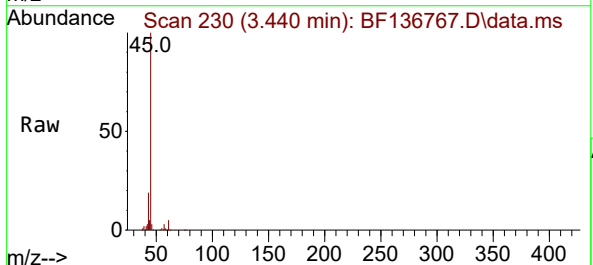
Instrument :
BNA_F
ClientSampleId :
597-P-2RE

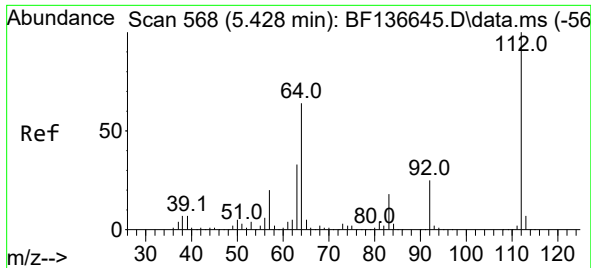
Tgt Ion:152 Resp: 79319
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 62.6 49.0 73.4



#4
n-Nitrosodimethylamine
Concen: 8.956 ng
RT: 3.440 min Scan# 230
Delta R.T. 0.165 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion: 42 Resp: 24717
Ion Ratio Lower Upper
42 100
74 0.0 96.0 144.0#
44 156.2 5.4 8.2#

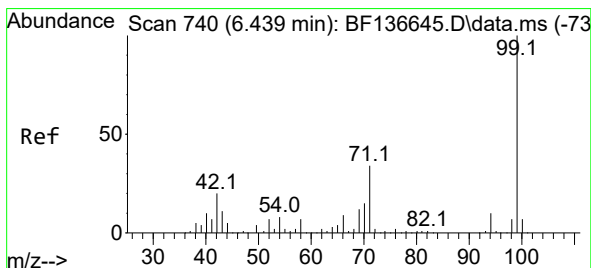
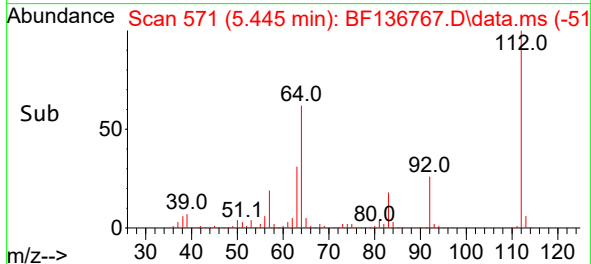
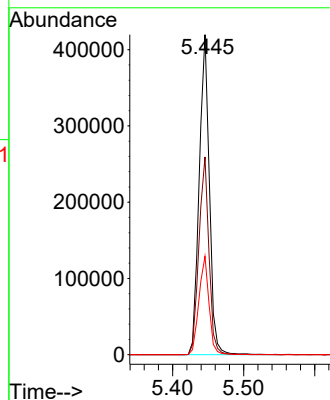
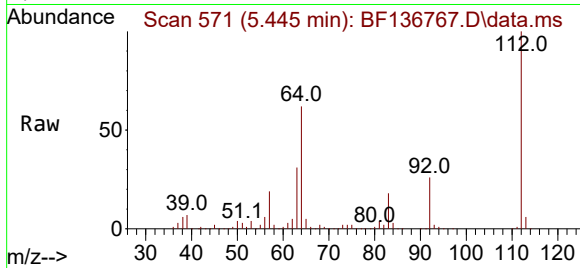




#5
2-Fluorophenol
Concen: 82.421 ng
RT: 5.445 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

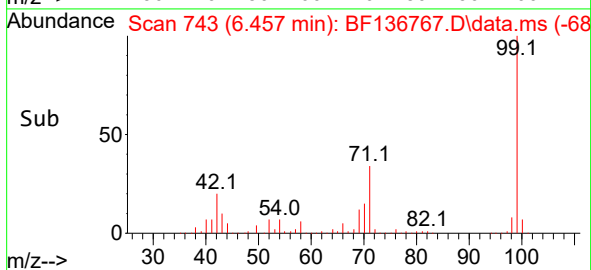
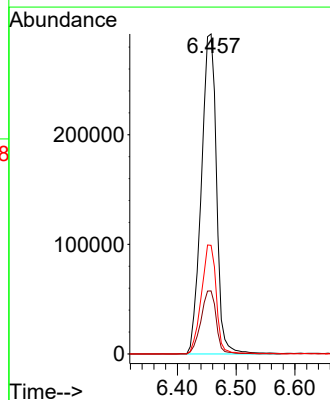
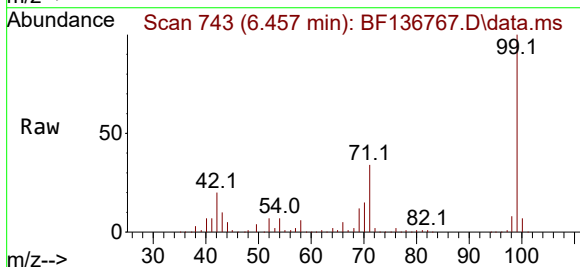
Instrument :
BNA_F
ClientSampleId :
597-P-2RE

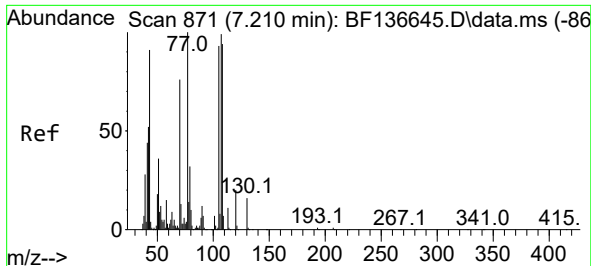
Tgt Ion:112 Resp: 418996
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 30.8 26.1 39.1



#7
Phenol-d6
Concen: 79.575 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.018 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion: 99 Resp: 524175
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 34.0 27.4 41.2

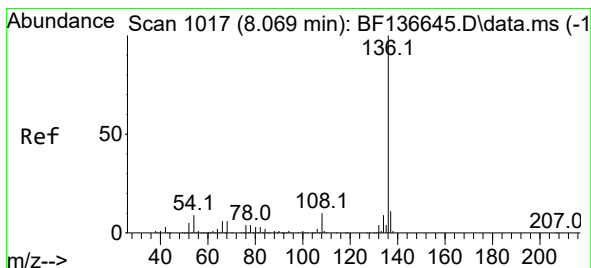
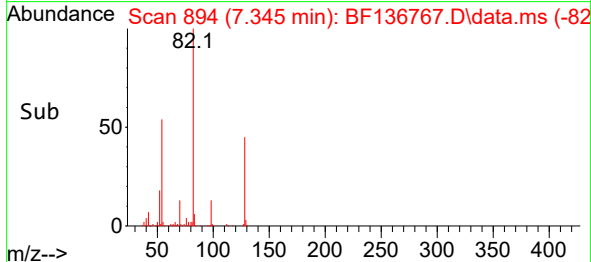
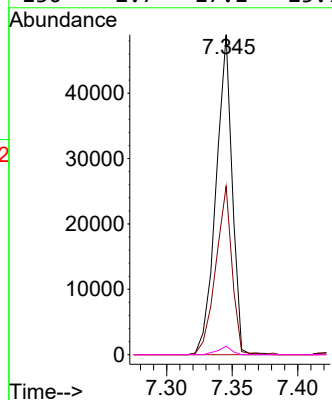
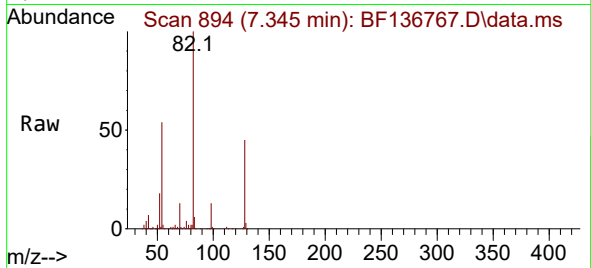




#19
n-Nitroso-di-n-propylamine
Concen: 10.493 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

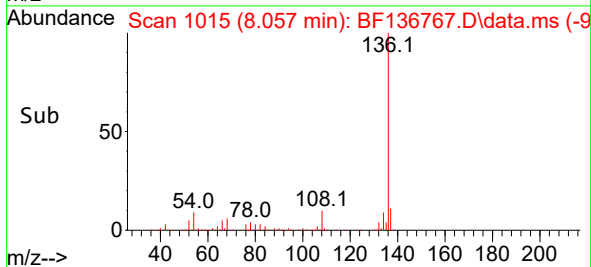
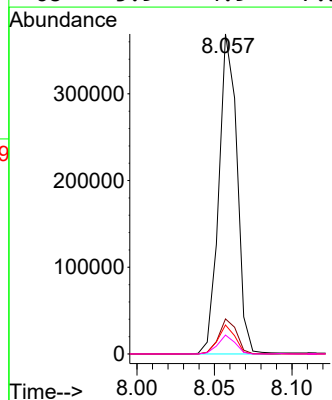
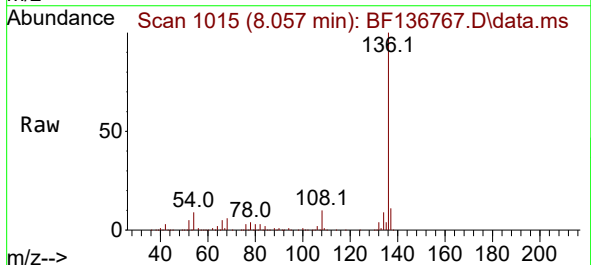
Instrument :
BNA_F
ClientSampleId :
597-P-2RE

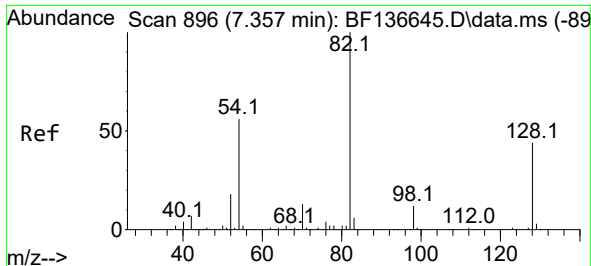
Tgt Ion: 70 Resp: 41899
Ion Ratio Lower Upper
70 100
42 52.6 54.2 81.4#
101 0.0 7.6 11.4#
130 2.7 17.1 25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion: 136 Resp: 301841
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.1 7.2 10.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 53.994 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

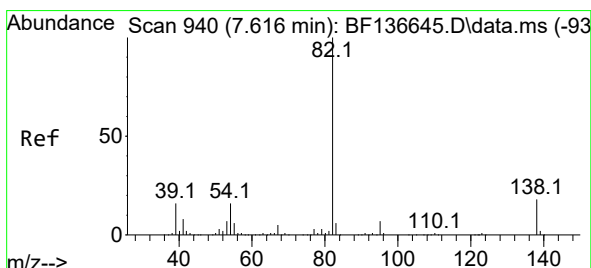
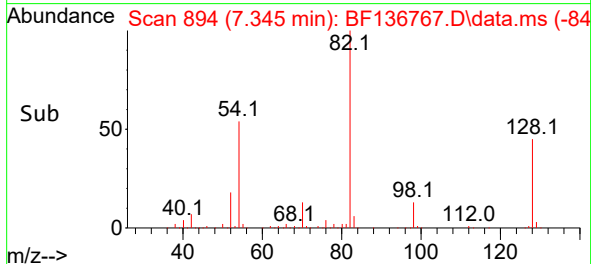
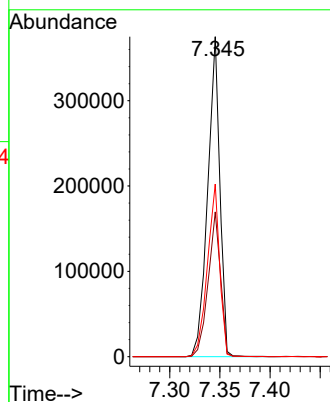
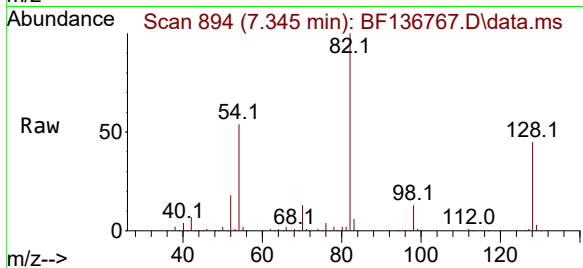
Tgt Ion: 82 Resp: 318493

Ion Ratio Lower Upper

82 100

128 45.3 35.3 52.9

54 54.0 44.5 66.7



#25

Isophorone

Concen: 29.678 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

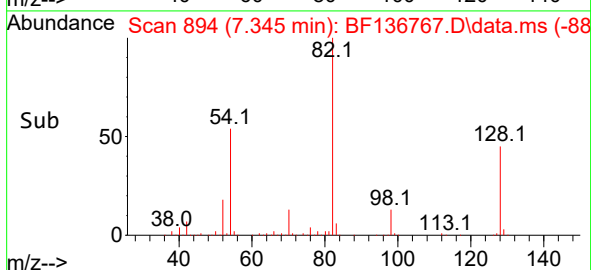
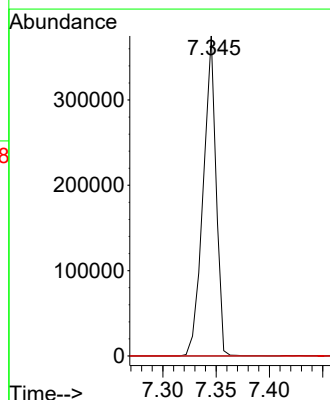
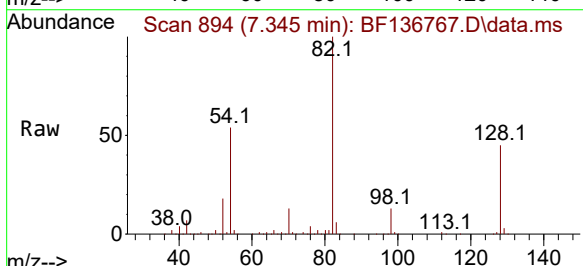
Tgt Ion: 82 Resp: 318543

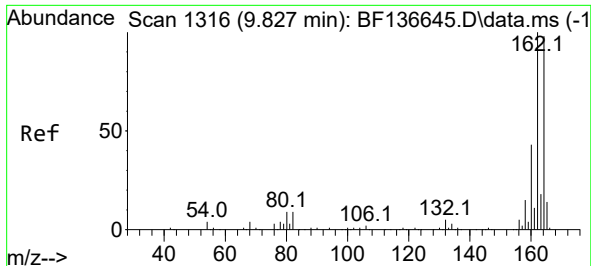
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

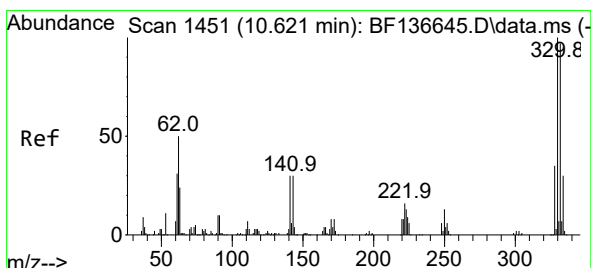
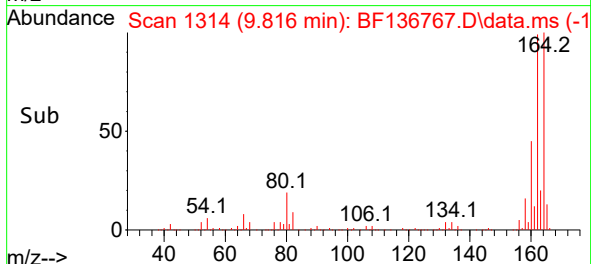
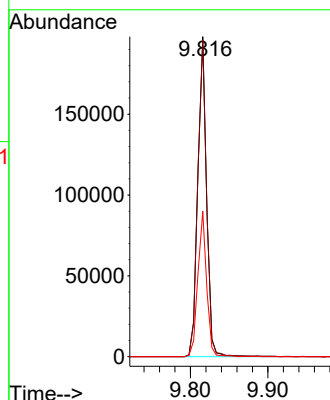
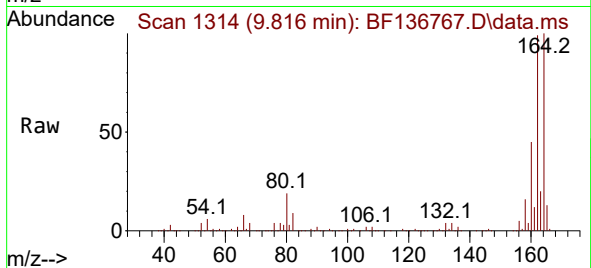
Tgt Ion:164 Resp: 155630

Ion Ratio Lower Upper

164 100

162 98.9 81.6 122.4

160 45.5 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 75.496 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

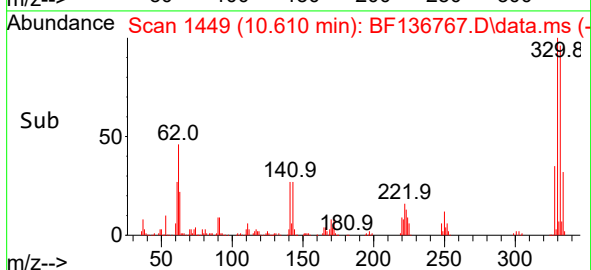
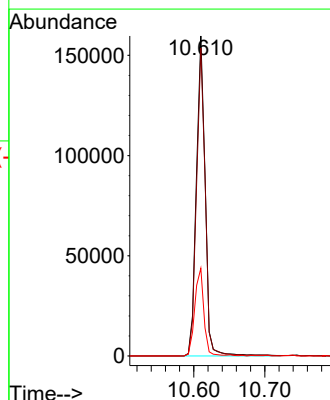
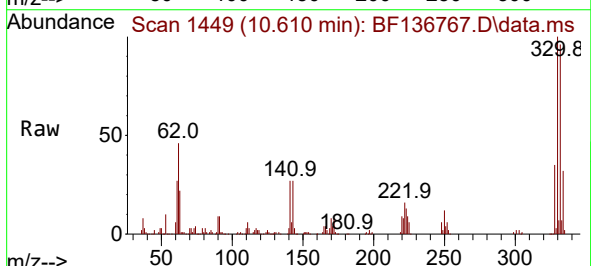
Tgt Ion:330 Resp: 138375

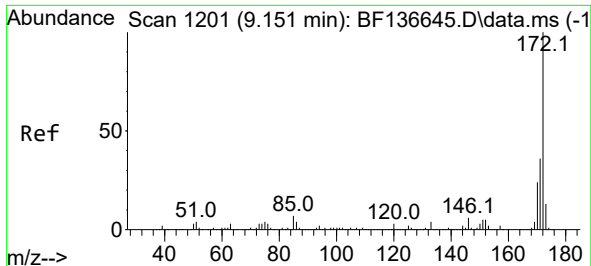
Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.0

141 28.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 56.046 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

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ClientSampleId :

597-P-2RE

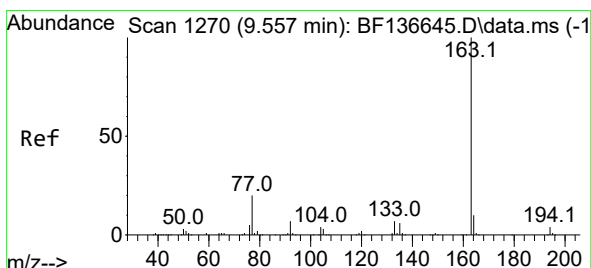
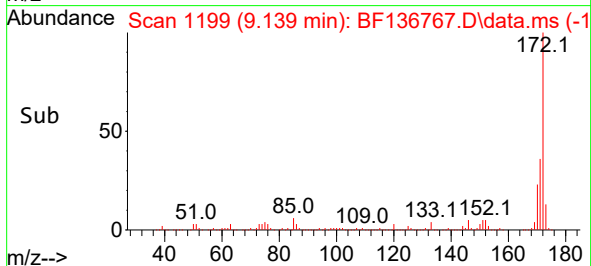
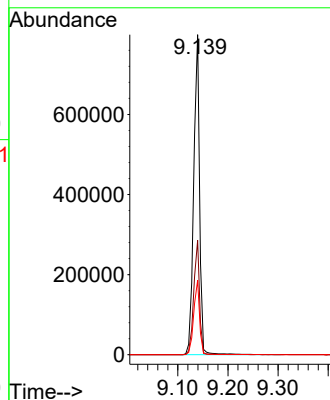
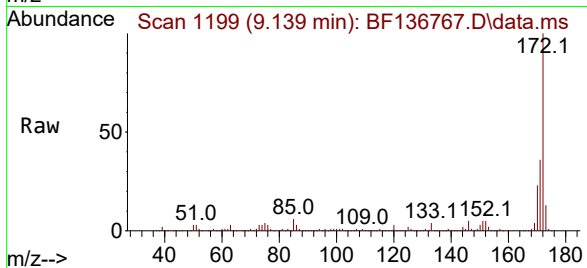
Tgt Ion:172 Resp: 648515

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 23.2 19.0 28.4



#50

Dimethylphthalate

Concen: 2.731 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

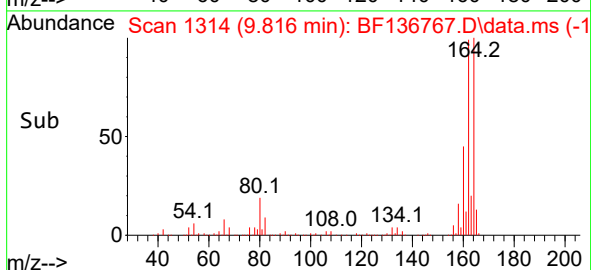
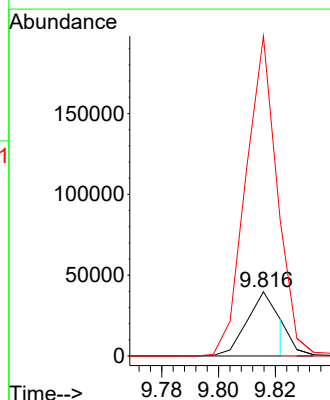
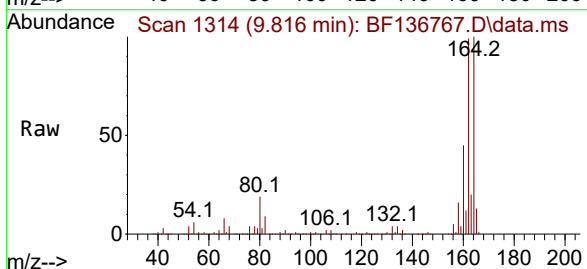
Tgt Ion:163 Resp: 31048

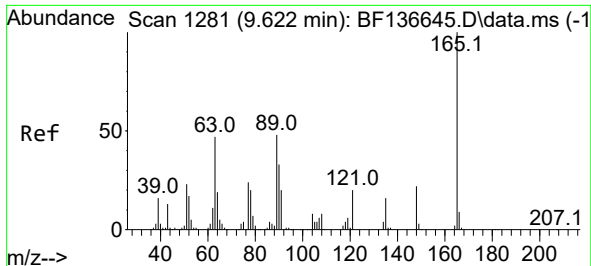
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 498.5 7.8 11.6#

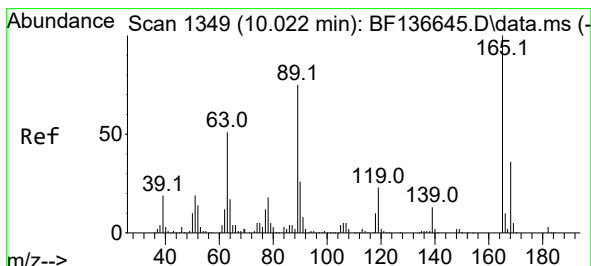
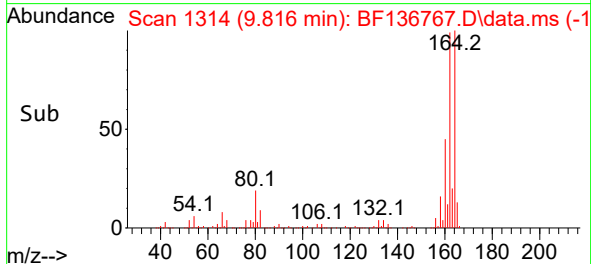
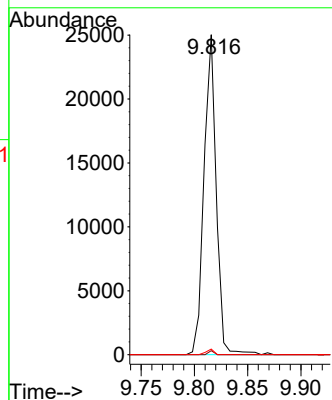
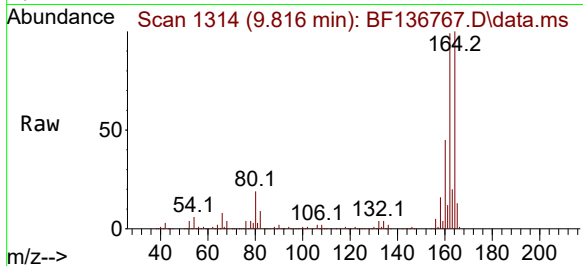




#51
2,6-Dinitrotoluene
Concen: 7.795 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

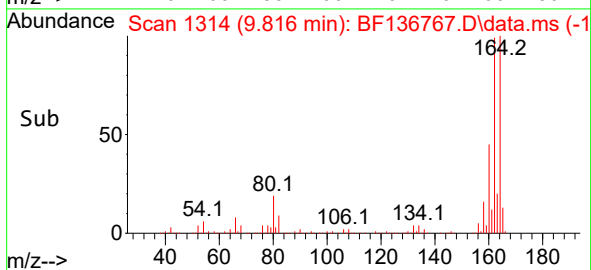
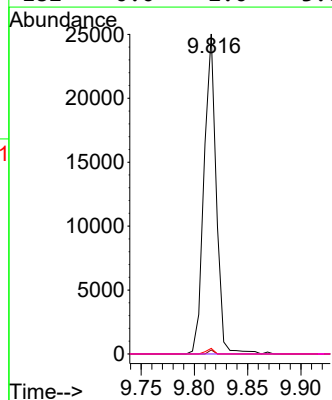
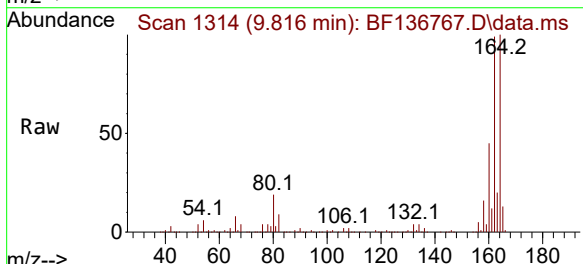
Instrument :
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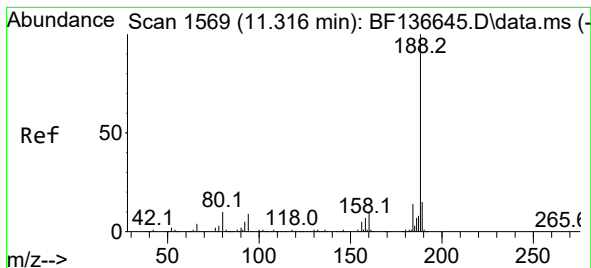
Tgt Ion:165 Resp: 20109
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.8 38.8 58.2#



#57
2,4-Dinitrotoluene
Concen: 6.004 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion:165 Resp: 20109
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.6#
89 1.8 59.9 89.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

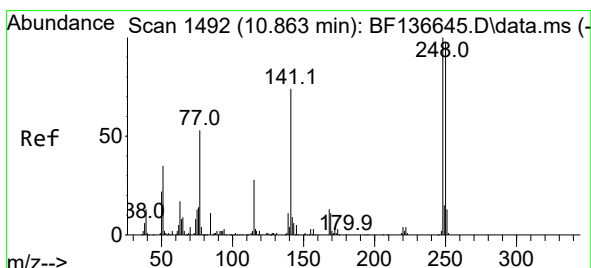
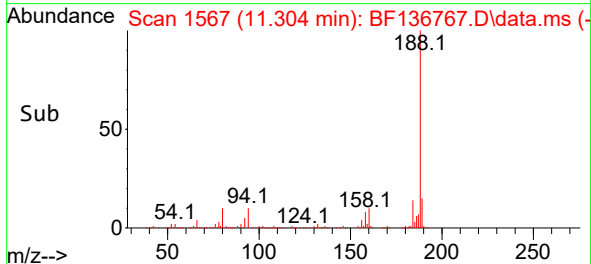
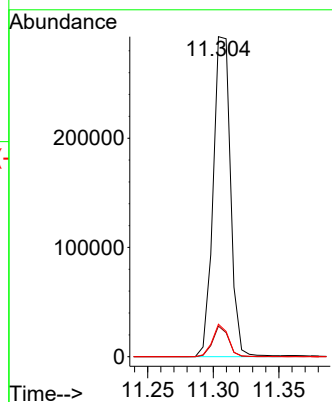
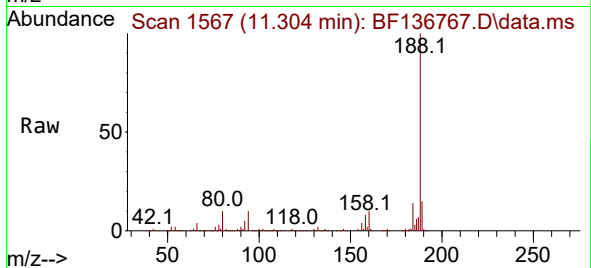
Tgt Ion:188 Resp: 269362

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.2 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.666 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

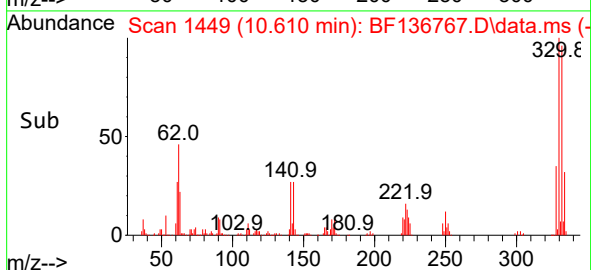
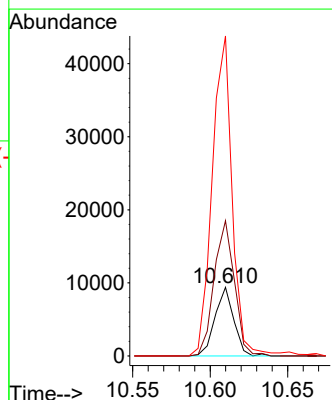
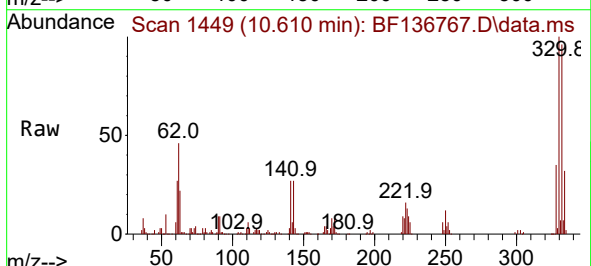
Tgt Ion:248 Resp: 7975

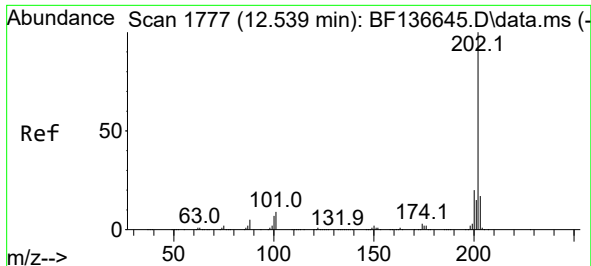
Ion Ratio Lower Upper

248 100

250 197.0 77.8 116.6#

141 466.5 59.2 88.8#

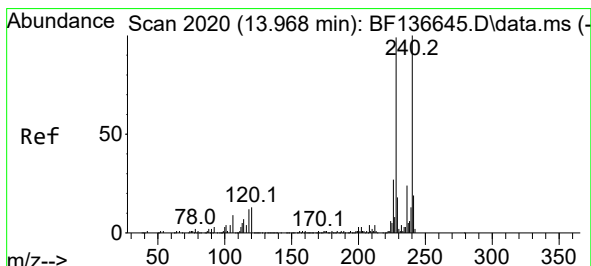
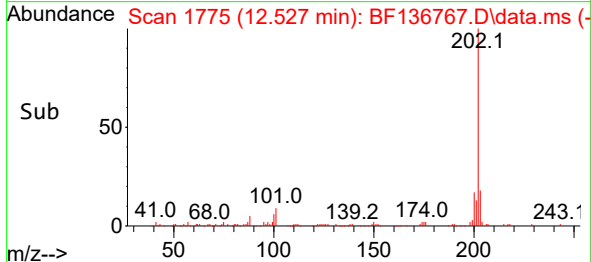
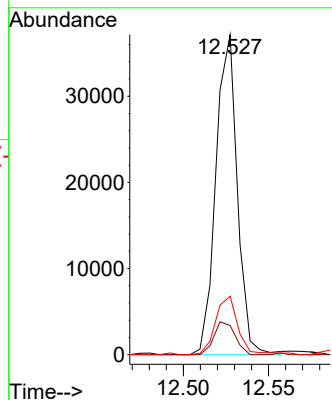
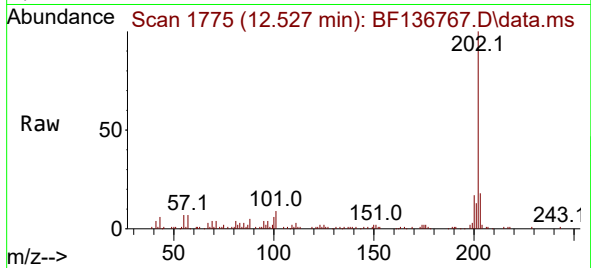




#75
Fluoranthene
Concen: 2.202 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

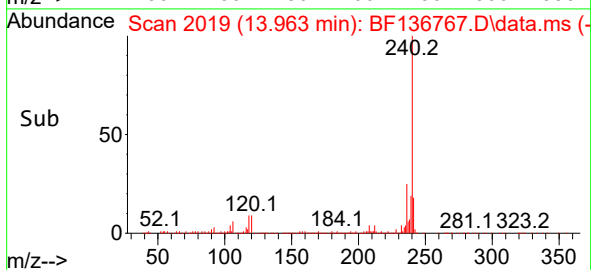
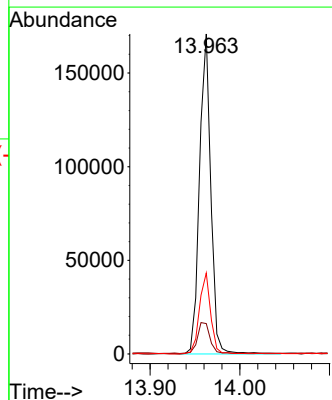
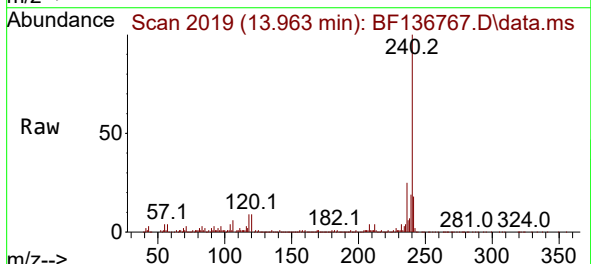
Instrument :
BNA_F
ClientSampleId :
597-P-2RE

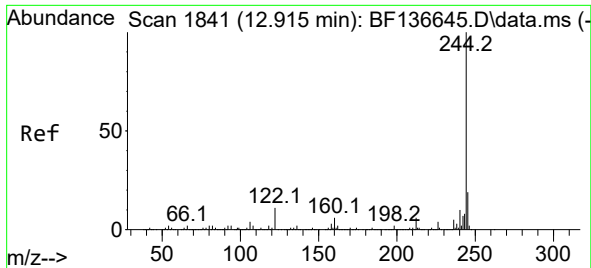
Tgt Ion:202 Resp: 32547
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.3
203 18.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion:240 Resp: 149241
Ion Ratio Lower Upper
240 100
120 9.5 10.3 15.5#
236 25.3 19.4 29.2

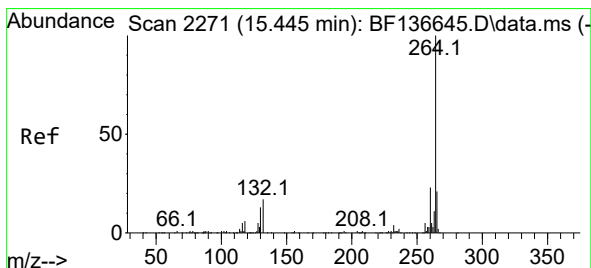
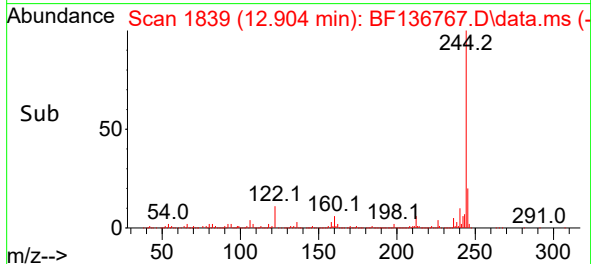
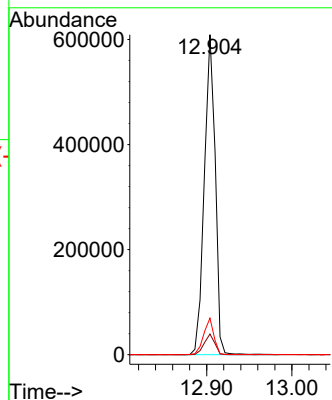
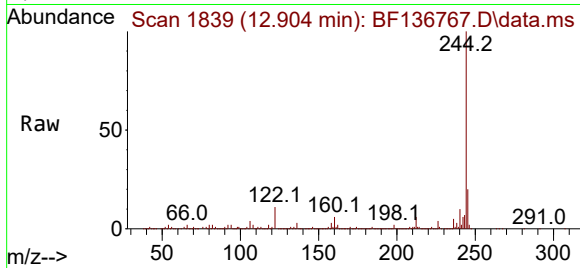




#79
 Terphenyl-d14
 Concen: 50.626 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136767.D
 Acq: 27 Dec 2023 19:58

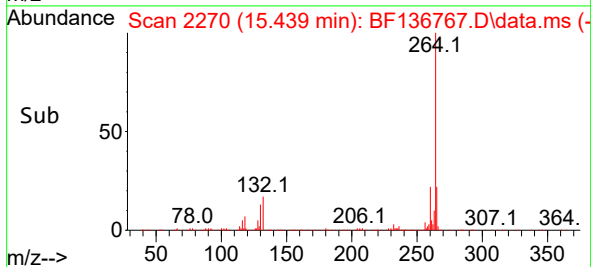
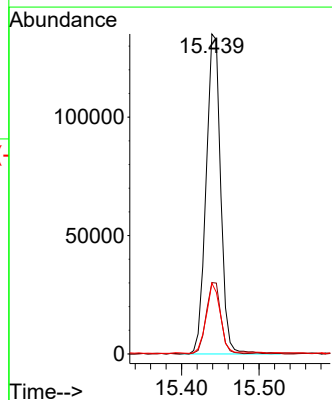
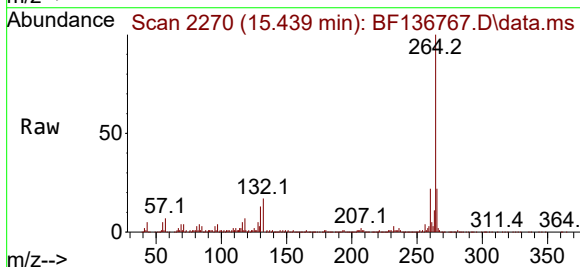
Instrument :
 BNA_F
 ClientSampleId :
 597-P-2RE

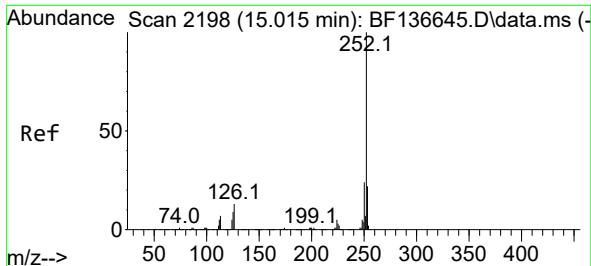
Tgt Ion:244 Resp: 540660
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 11.4 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF136767.D
 Acq: 27 Dec 2023 19:58

Tgt Ion:264 Resp: 176638
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.3 27.5
 265 22.1 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.628 ng

RT: 15.010 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

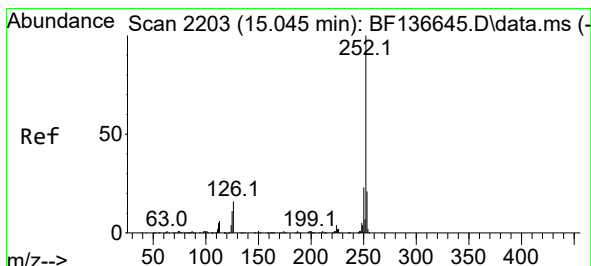
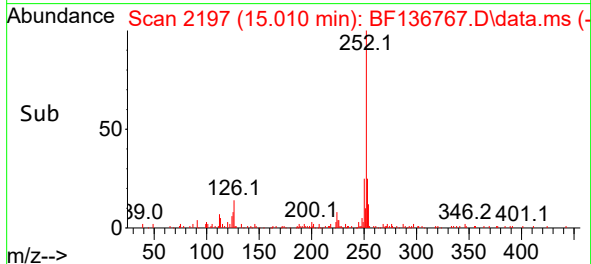
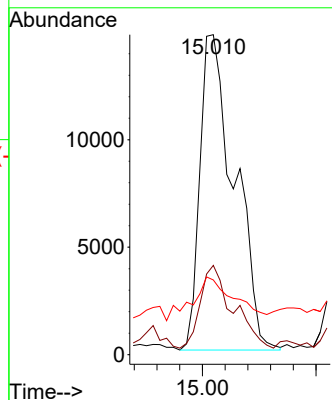
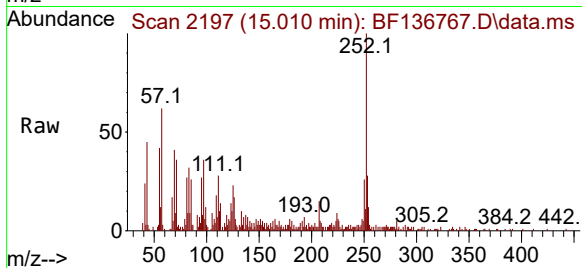
Tgt Ion:252 Resp: 31000

Ion Ratio Lower Upper

252 100

253 27.9 17.4 26.0#

125 23.4 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.781 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Tgt Ion:252 Resp: 31000

Ion Ratio Lower Upper

252 100

253 27.9 17.0 25.6#

125 23.4 8.2 12.4#

