

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132465.D
 Acq On : 17 Feb 2023 23:21
 Operator : CG\JU
 Sample : 01593-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-3

Quant Time: Feb 18 01:02:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

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

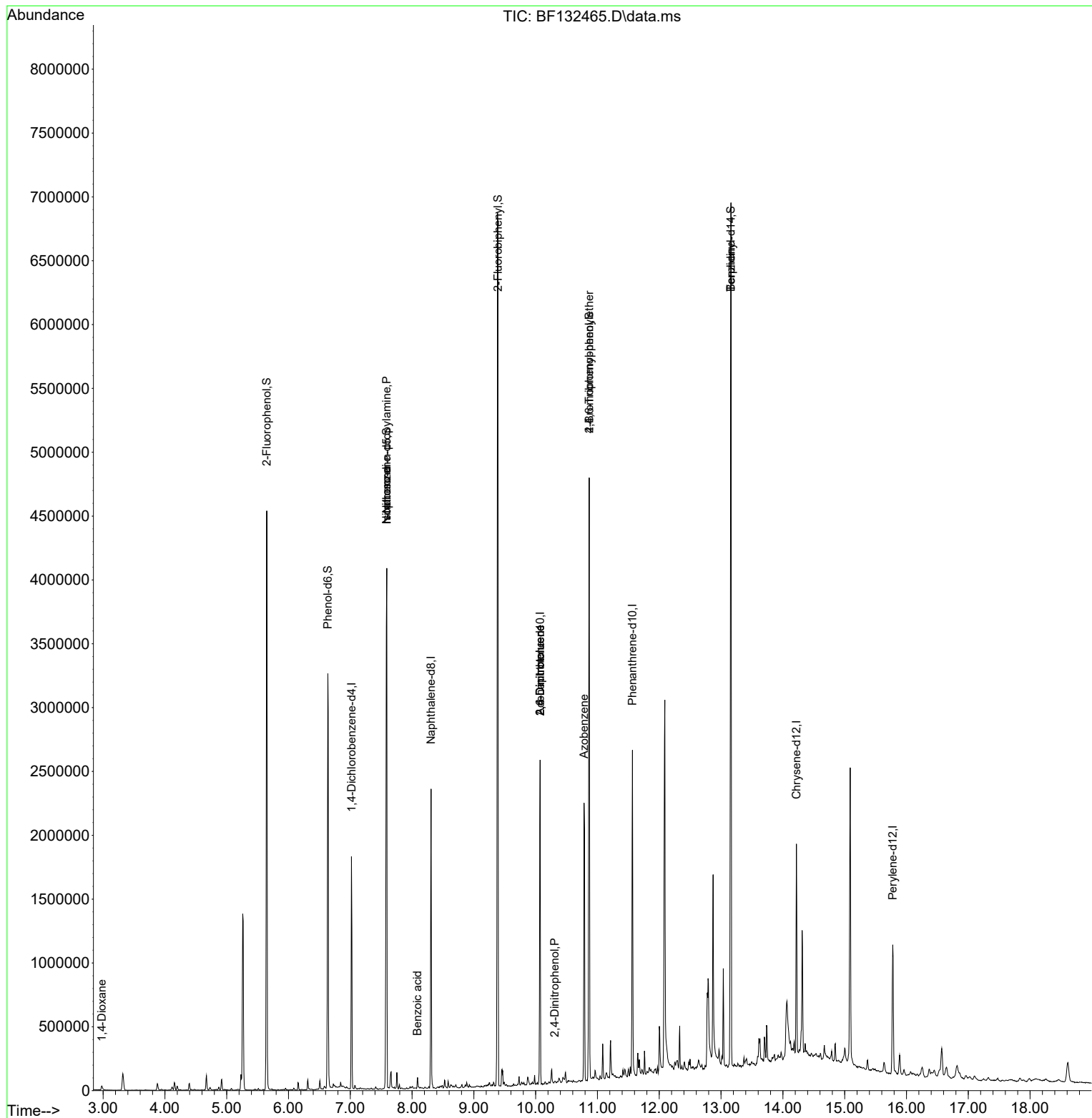
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.019	152	246119	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	929086	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	501105	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	889152	20.000	ng	0.00
76) Chrysene-d12	14.218	240	526394	20.000	ng	#-0.01
86) Perylene-d12	15.777	264	465839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	1245602	81.095	ng	0.00
7) Phenol-d6	6.637	99	1222185	60.938	ng	-0.01
23) Nitrobenzene-d5	7.589	82	1501167	77.635	ng	0.00
42) 2,4,6-Tribromophenol	10.866	330	563572	112.720	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	2294792	70.721	ng	0.00
79) Terphenyl-d14	13.160	244	2493158	86.258	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.978	88	18479	2.224	ng	# 95
19) n-Nitroso-di-n-propyla...	7.589	70	201368	16.377	ng	# 78
25) Isophorone	7.589	82	1497601	39.415	ng	# 68
32) Benzoic acid	8.084	122	54	7.154	ng	# 39
51) 2,6-Dinitrotoluene	10.072	165	66200	8.249	ng	# 20
54) 2,4-Dinitrophenol	10.307	184	73	5.142	ng	# 46
57) 2,4-Dinitrotoluene	10.072	165	66200	6.266	ng	# 20
63) Azobenzene	10.783	77	425787	10.608	ng	# 1
67) 4-Bromophenyl-phenylether	10.866	248	38061	3.906	ng	# 1
77) Benzidine	13.160	184	39629	3.535	ng	# 91

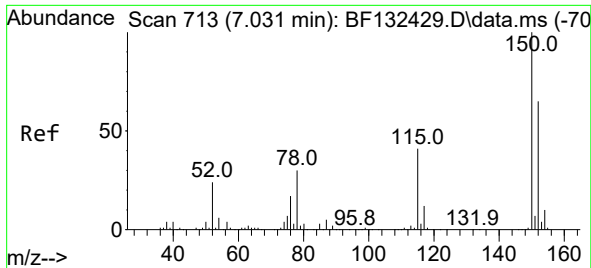
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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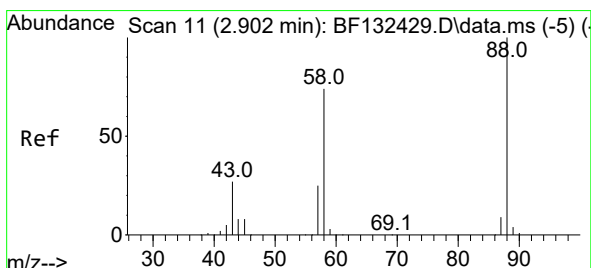
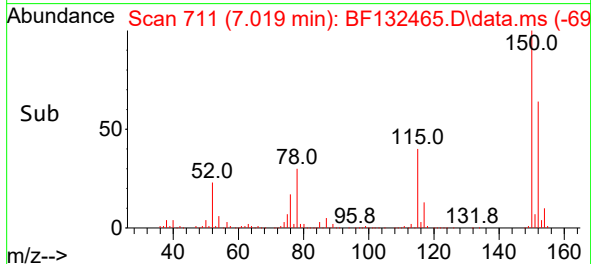
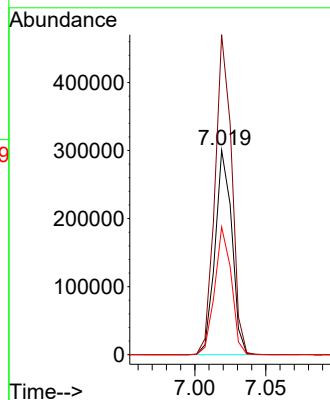
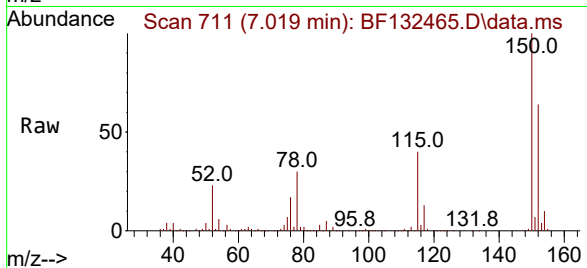




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.019 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

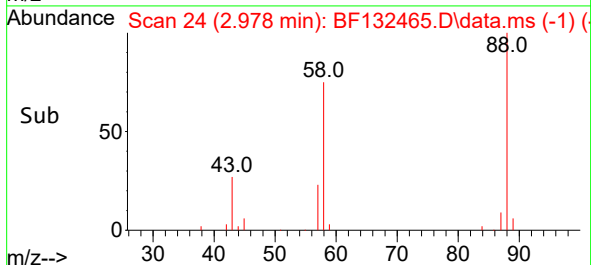
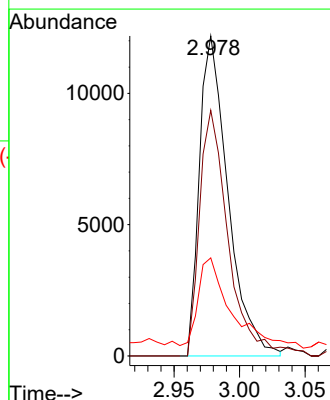
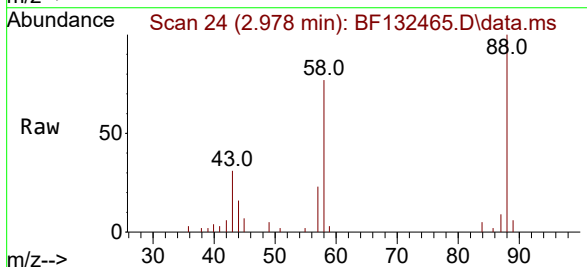
Instrument :
BNA_F
ClientSampleId :
SW-3

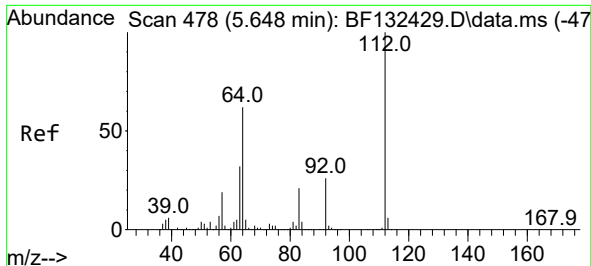
Tgt Ion:152 Resp: 246119
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.8
115 62.4 50.4 75.6



#2
1,4-Dioxane
Concen: 2.224 ng
RT: 2.978 min Scan# 24
Delta R.T. 0.077 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion: 88 Resp: 18479
Ion Ratio Lower Upper
88 100
58 77.6 60.1 90.1
43 32.7 21.5 32.3

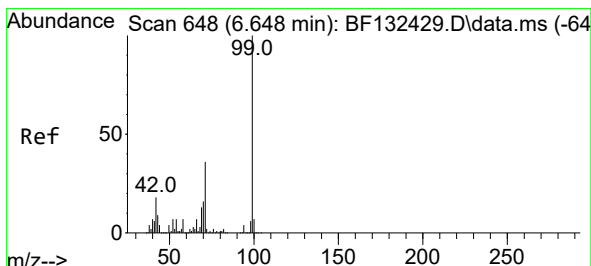
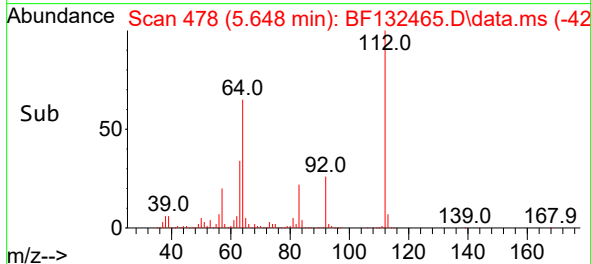
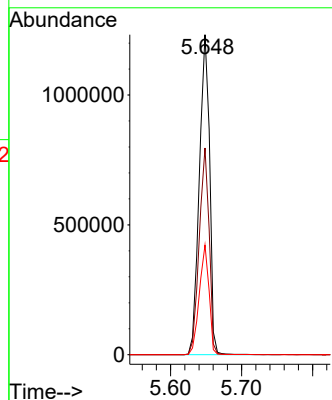
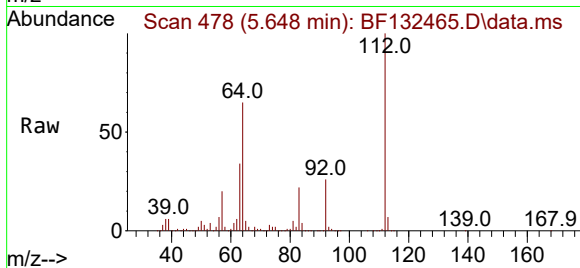




#5
2-Fluorophenol
Concen: 81.095 ng
RT: 5.648 min Scan# 41
Delta R.T. 0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

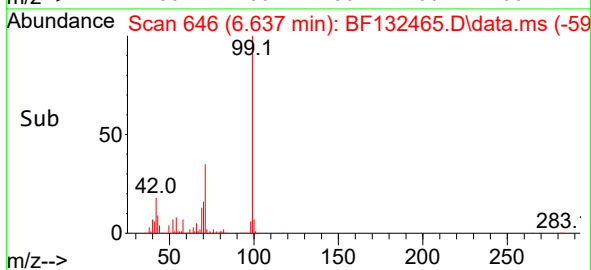
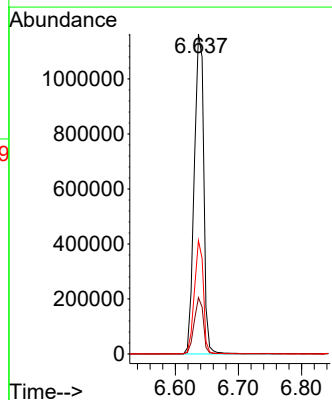
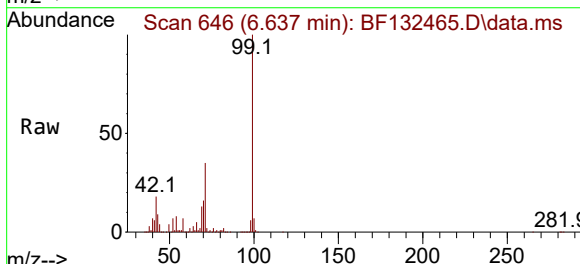
Instrument :
BNA_F
ClientSampleId :
SW-3

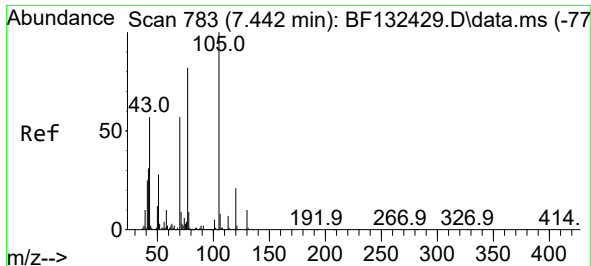
Tgt Ion:112 Resp: 1245602
Ion Ratio Lower Upper
112 100
64 64.6 49.7 74.5
63 34.2 25.8 38.8



#7
Phenol-d6
Concen: 60.938 ng
RT: 6.637 min Scan# 646
Delta R.T. -0.012 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

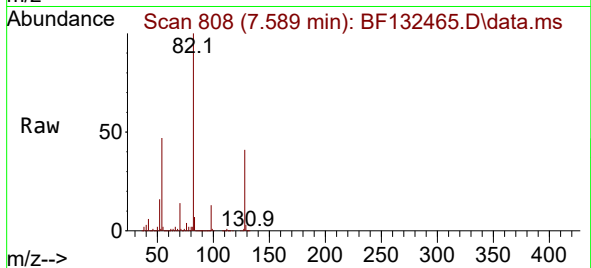
Tgt Ion: 99 Resp: 1222185
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 35.5 28.7 43.1



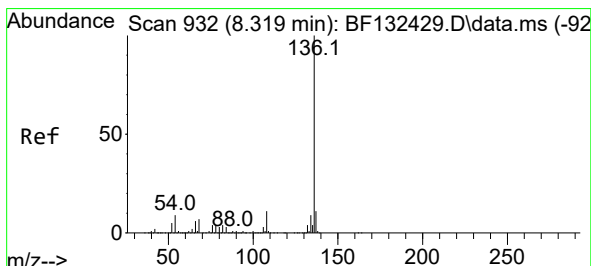
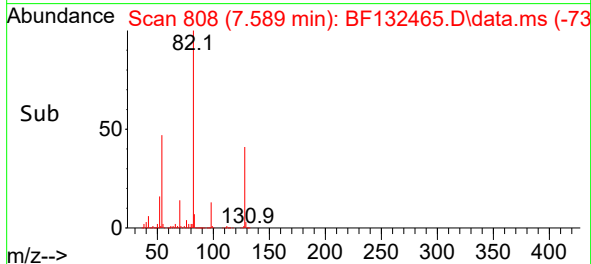
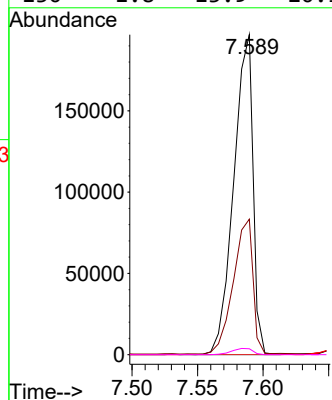


#19
n-Nitroso-di-n-propylamine
Concen: 16.377 ng
RT: 7.589 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Instrument :
BNA_F
ClientSampleId :
SW-3

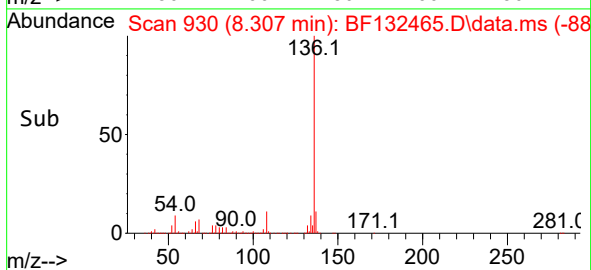
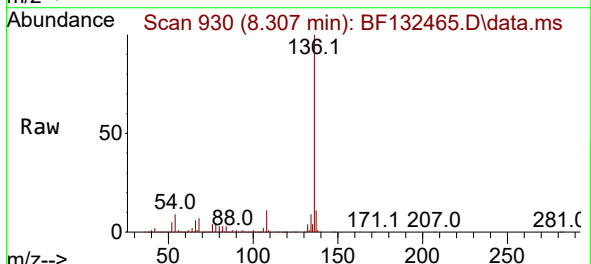
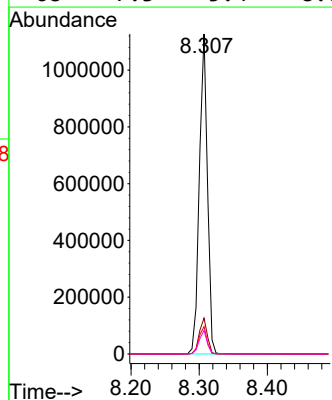


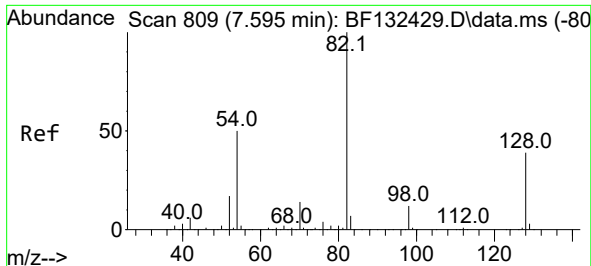
Tgt Ion: 70 Resp: 201368
Ion Ratio Lower Upper
70 100
42 42.3 43.5 65.3#
101 0.0 7.3 10.9#
130 1.8 13.9 20.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion:136 Resp: 929086
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.5 6.9 10.3
68 7.3 5.4 8.0





#23

Nitrobenzene-d5

Concen: 77.635 ng

RT: 7.589 min Scan# 808

Delta R.T. -0.006 min

Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

Instrument :

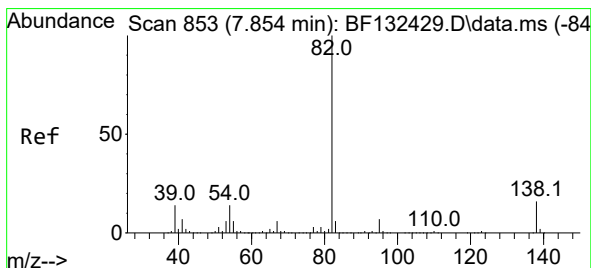
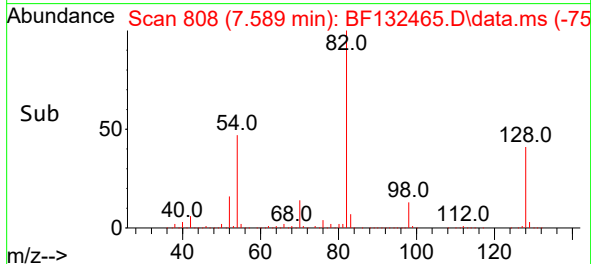
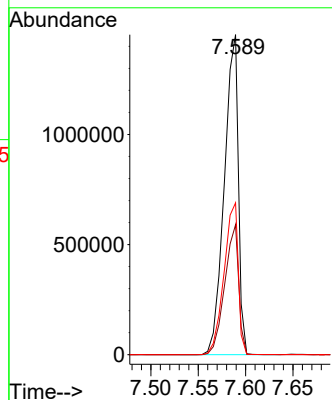
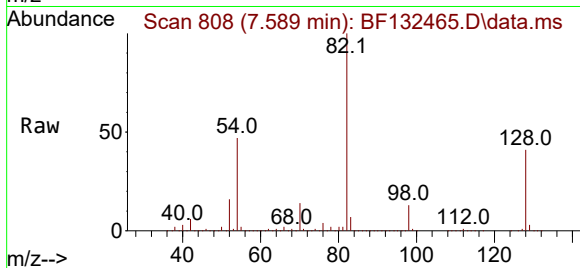
BNA_F

ClientSampleId :

SW-3

Tgt Ion: 82 Resp: 1501167

Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.8	46.2
54	47.4	40.2	60.4



#25

Isophorone

Concen: 39.415 ng

RT: 7.589 min Scan# 808

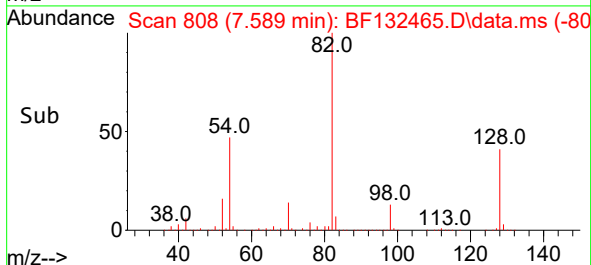
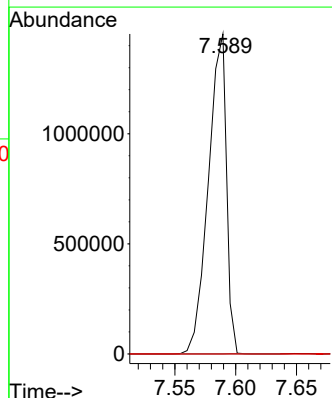
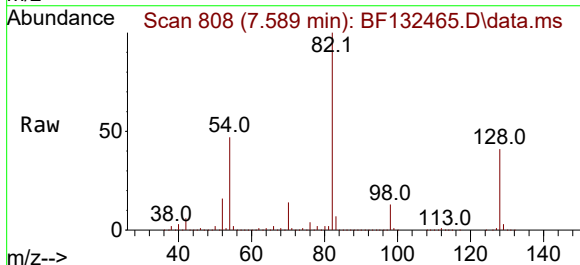
Delta R.T. -0.259 min

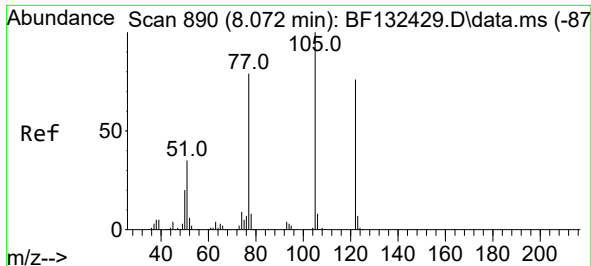
Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

Tgt Ion: 82 Resp: 1497601

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	12.7	19.1#

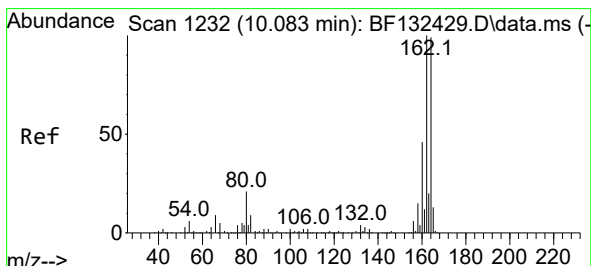
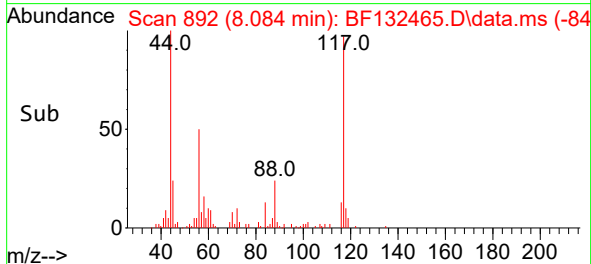
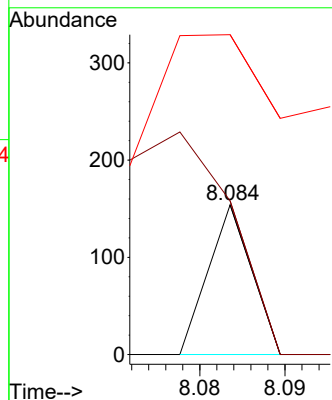
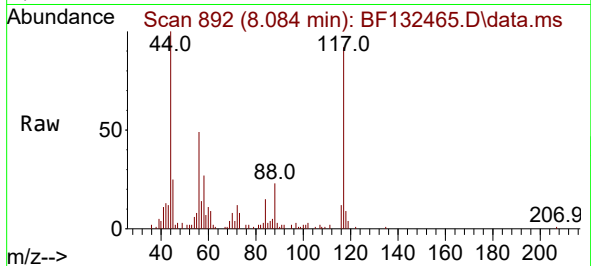




#32
Benzoic acid
Concen: 7.154 ng
RT: 8.084 min Scan# 890
Delta R.T. 0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

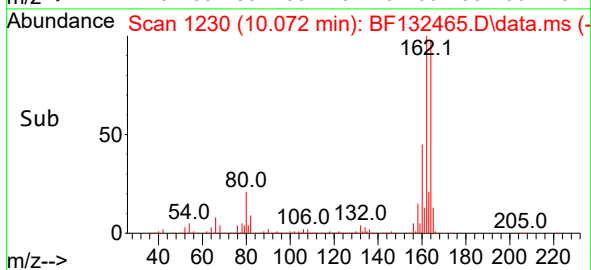
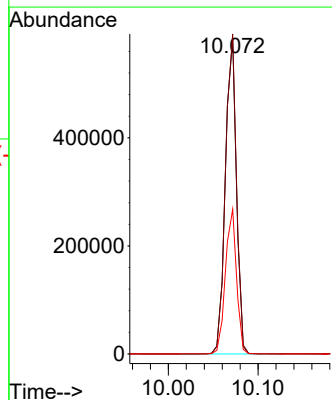
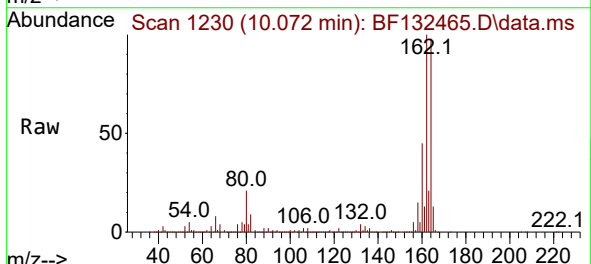
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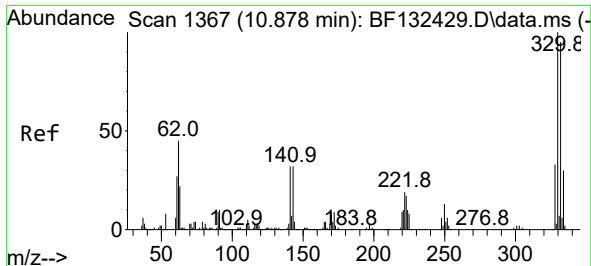
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 102.6 109.7 149.7#
77 213.6 83.8 123.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion:164 Resp: 501105
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 46.0 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 112.720 ng

RT: 10.866 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

Instrument :

BNA_F

ClientSampleId :

SW-3

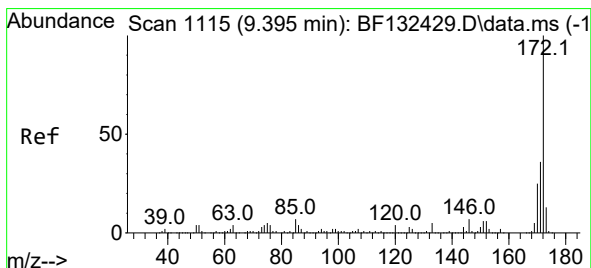
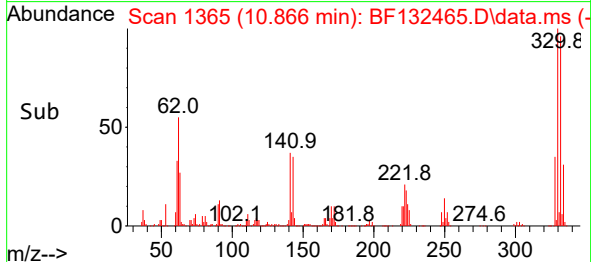
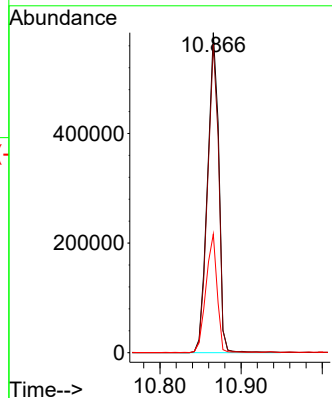
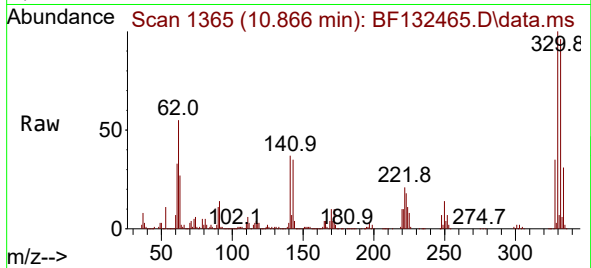
Tgt Ion:330 Resp: 563572

Ion Ratio Lower Upper

330 100

332 95.5 76.3 114.5

141 36.4 30.3 45.5



#45

2-Fluorobiphenyl

Concen: 70.721 ng

RT: 9.389 min Scan# 1114

Delta R.T. 0.000 min

Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

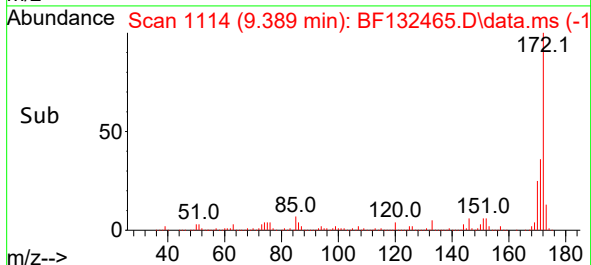
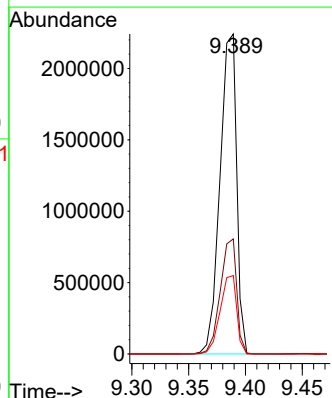
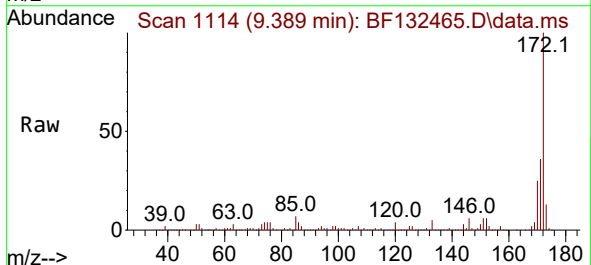
Tgt Ion:172 Resp: 2294792

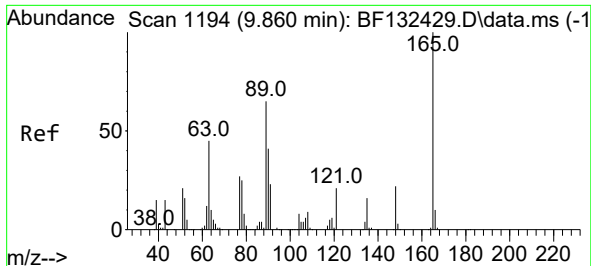
Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 24.5 19.9 29.9

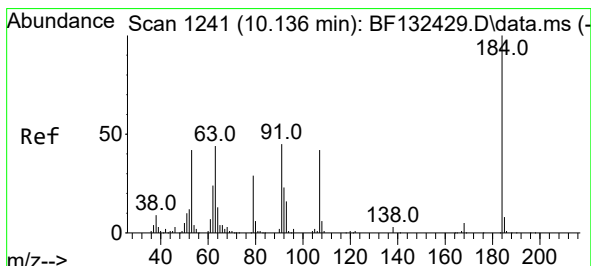
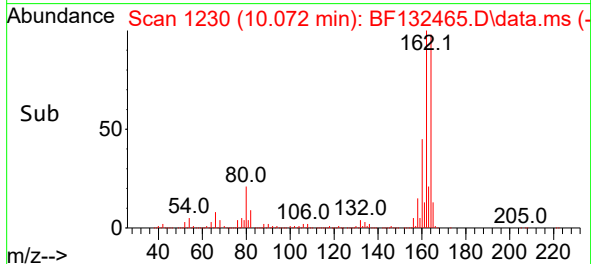
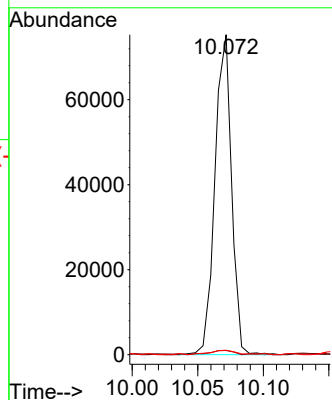
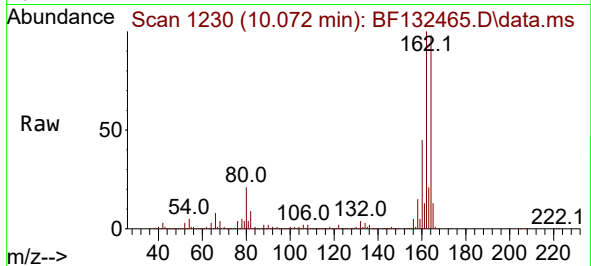




#51
2,6-Dinitrotoluene
Concen: 8.249 ng
RT: 10.072 min Scan# 1194
Delta R.T. 0.218 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

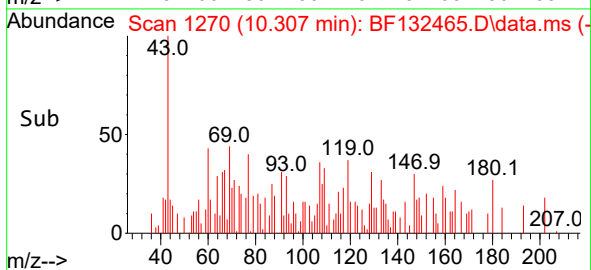
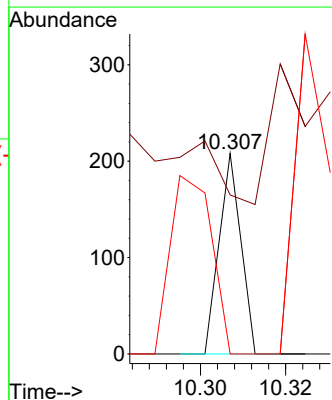
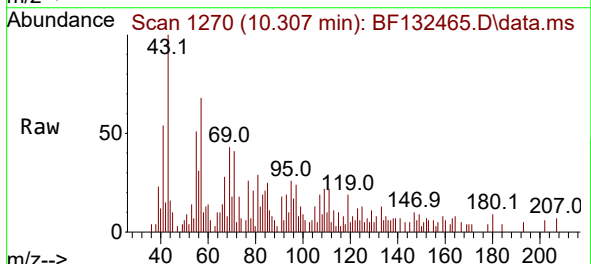
Instrument :
BNA_F
ClientSampleId :
SW-3

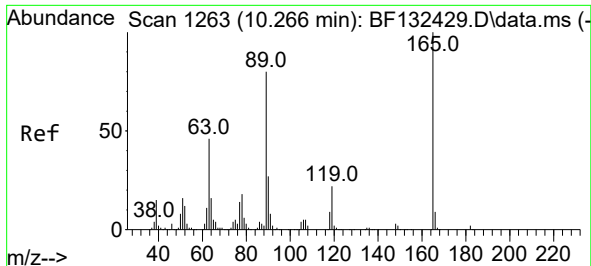
Tgt Ion:165 Resp: 66200
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 1.4 52.2 78.2#



#54
2,4-Dinitrophenol
Concen: 5.142 ng
RT: 10.307 min Scan# 1270
Delta R.T. 0.177 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 79.3 47.0 70.6#
154 0.0 49.0 73.6#

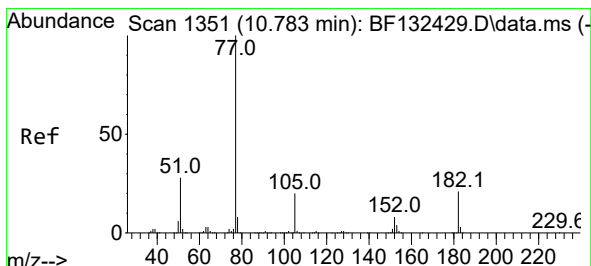
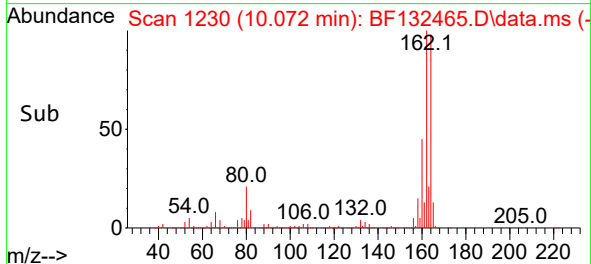
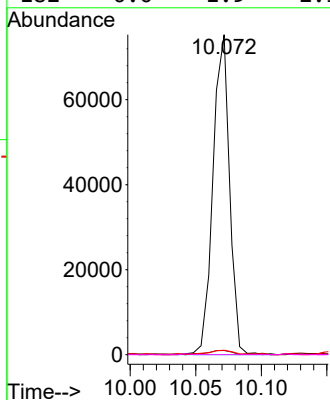
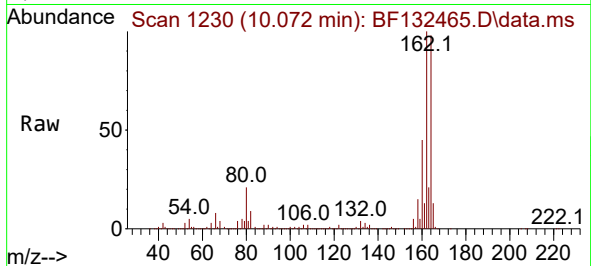




#57
2,4-Dinitrotoluene
Concen: 6.266 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

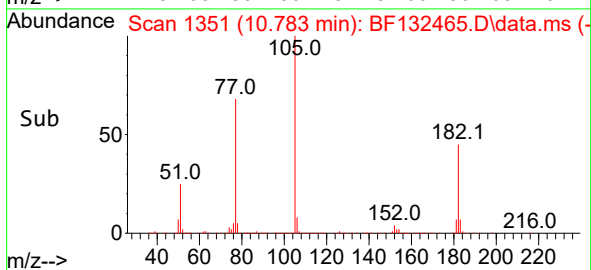
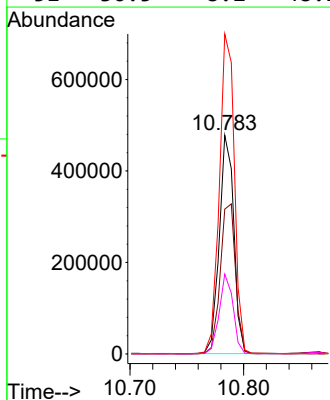
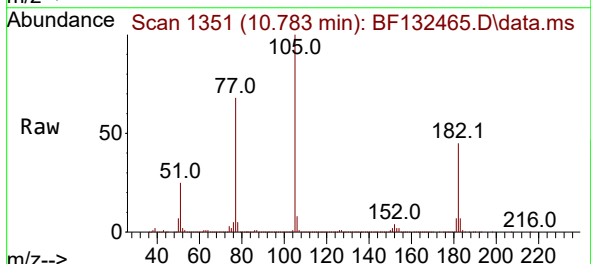
Instrument :
BNA_F
ClientSampleId :
SW-3

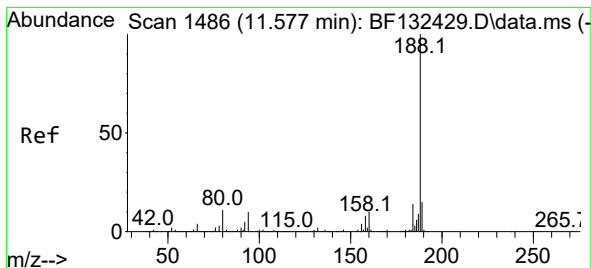
Tgt Ion:165 Resp: 66200
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 1.4 63.6 95.4#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 10.608 ng
RT: 10.783 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion: 77 Resp: 425787
Ion Ratio Lower Upper
77 100
182 66.2 1.4 41.4#
105 146.3 0.1 40.1#
51 36.5 8.2 48.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.566 min Scan# 1486

Delta R.T. -0.006 min

Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

Instrument :

BNA_F

ClientSampleId :

SW-3

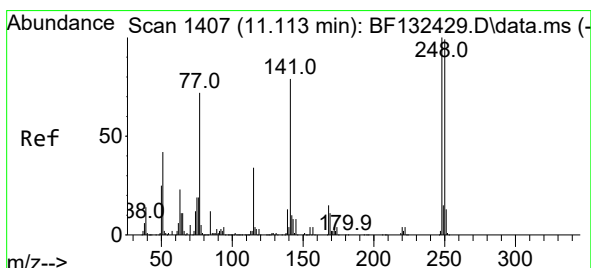
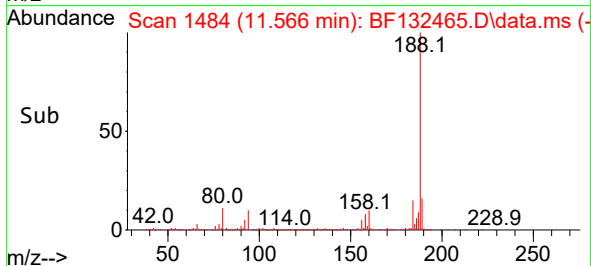
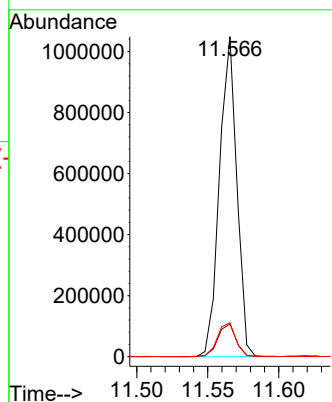
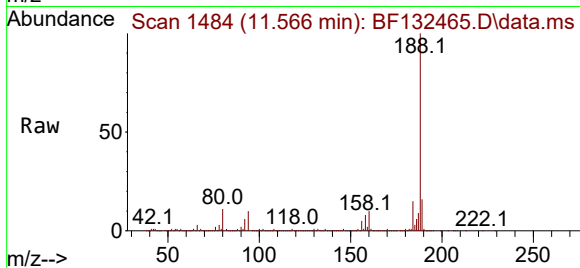
Tgt Ion:188 Resp: 889152

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

80 10.6 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.906 ng

RT: 10.866 min Scan# 1365

Delta R.T. -0.241 min

Lab File: BF132465.D

Acq: 17 Feb 2023 23:21

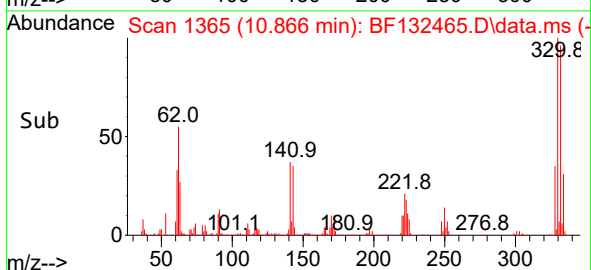
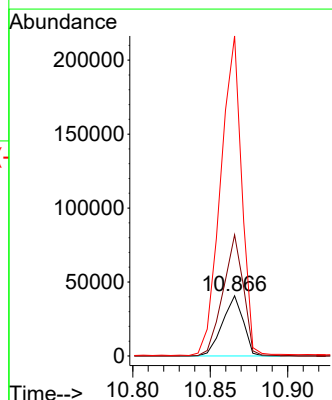
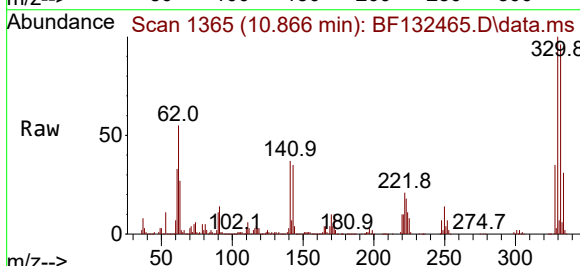
Tgt Ion:248 Resp: 38061

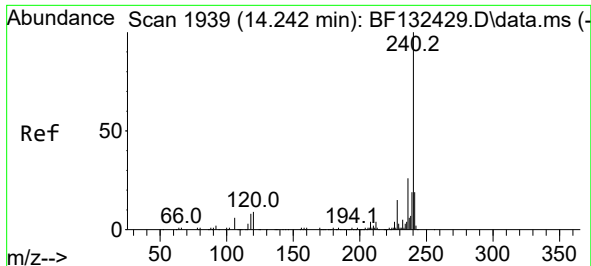
Ion Ratio Lower Upper

248 100

250 201.3 79.0 118.4#

141 531.9 63.3 94.9#

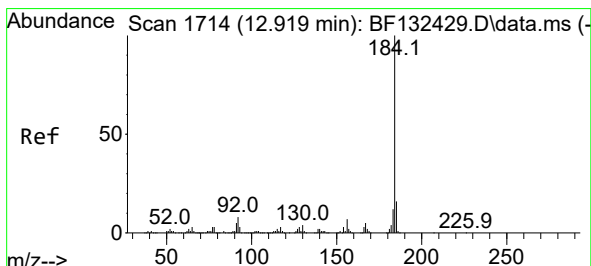
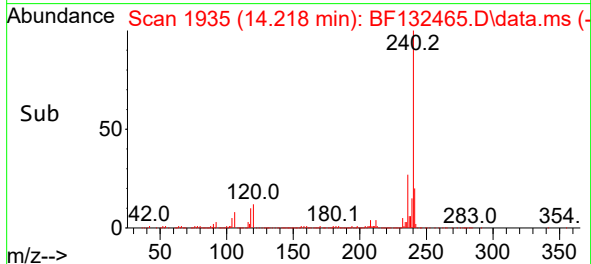
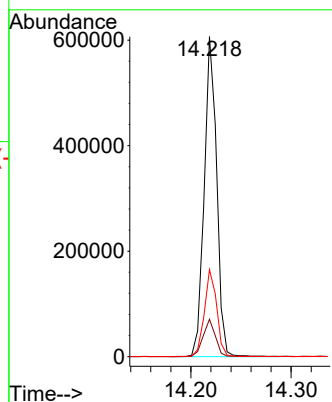
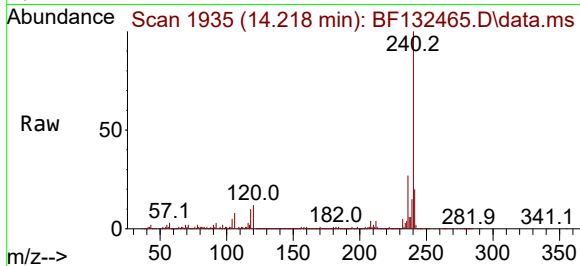




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

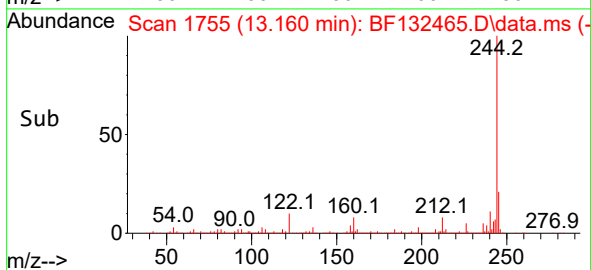
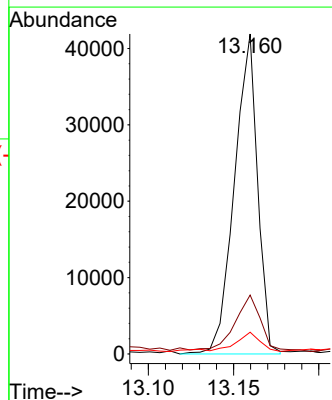
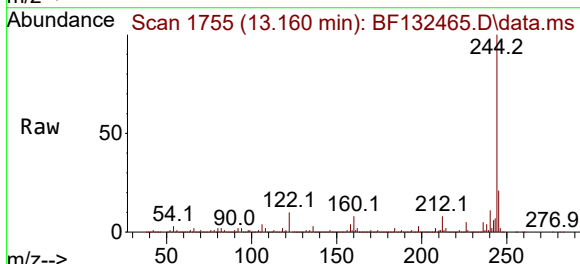
Instrument :
BNA_F
ClientSampleId :
SW-3

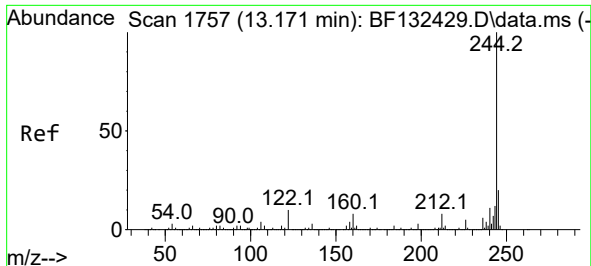
Tgt Ion:240 Resp: 526394
Ion Ratio Lower Upper
240 100
120 11.7 7.5 11.3#
236 27.2 21.0 31.6



#77
Benzidine
Concen: 3.535 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.247 min
Lab File: BF132465.D
Acq: 17 Feb 2023 23:21

Tgt Ion:184 Resp: 39629
Ion Ratio Lower Upper
184 100
185 18.4 12.4 18.6
183 6.8 9.2 13.8#

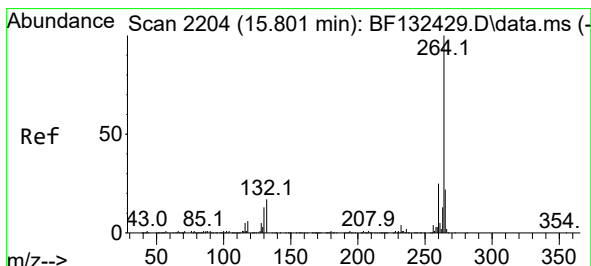
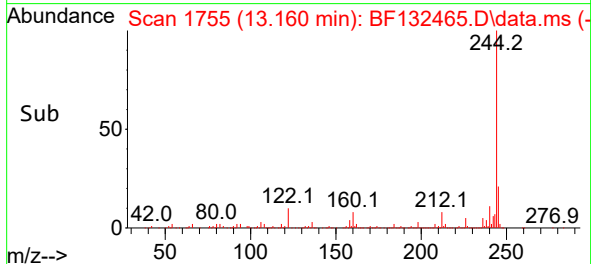
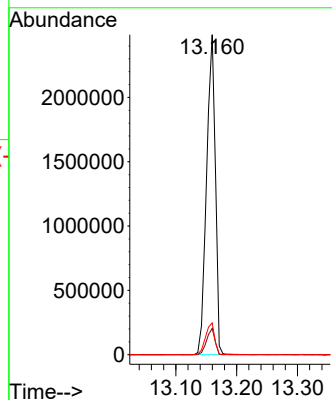
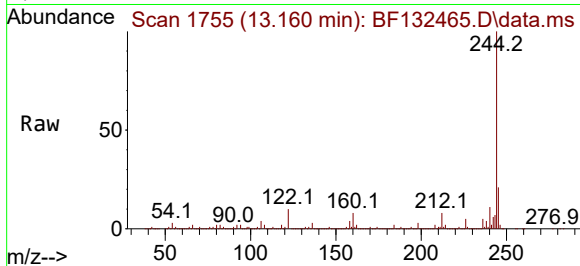




#79
 Terphenyl-d14
 Concen: 86.258 ng
 RT: 13.160 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132465.D
 Acq: 17 Feb 2023 23:21

Instrument :
 BNA_F
 ClientSampleId :
 SW-3

Tgt Ion:244 Resp: 2493158
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.7 10.1
 122 9.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.777 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: BF132465.D
 Acq: 17 Feb 2023 23:21

Tgt Ion:264 Resp: 465839
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.0 30.0
 265 22.7 17.2 25.8

