

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132461.D
 Acq On : 17 Feb 2023 21:11
 Operator : CG\JU
 Sample : 01595-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-322-2

Quant Time: Feb 18 01:02:02 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)

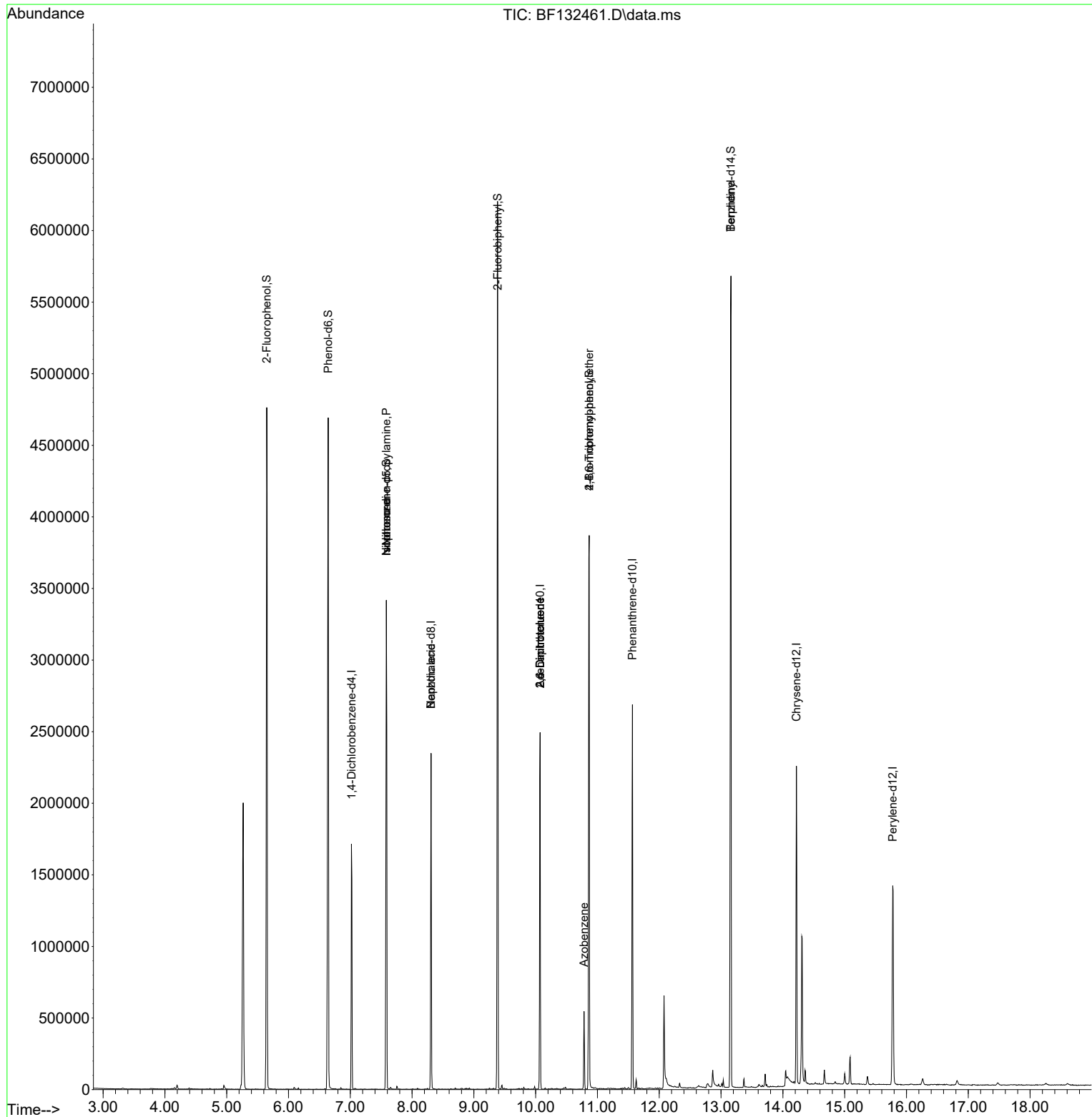
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.019	152	243864	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	909621	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	488396	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	947047	20.000	ng	0.00
76) Chrysene-d12	14.218	240	705007	20.000	ng	#-0.01
86) Perylene-d12	15.777	264	664781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	1413356	92.868	ng	0.00
7) Phenol-d6	6.643	99	1842055	92.694	ng	0.00
23) Nitrobenzene-d5	7.584	82	1184271	62.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	464581	95.339	ng	0.00
45) 2-Fluorobiphenyl	9.383	172	1812114	57.299	ng	0.00
79) Terphenyl-d14	13.160	244	2184523	56.432	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.584	70	157458	12.925	ng	# 80
25) Isophorone	7.584	82	1184257	31.835	ng	# 68
32) Benzoic acid	8.307	122	184	7.165	ng	# 1
51) 2,6-Dinitrotoluene	10.072	165	62655	8.011	ng	# 20
57) 2,4-Dinitrotoluene	10.072	165	62655	6.085	ng	# 20
63) Azobenzene	10.783	77	88420	2.260	ng	# 1
67) 4-Bromophenyl-phenylether	10.866	248	31115	2.998	ng	# 1
77) Benzidine	13.160	184	31740	2.114	ng	# 94

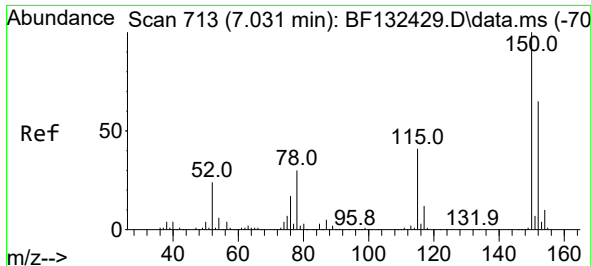
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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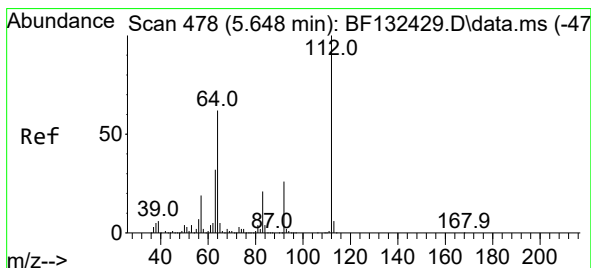
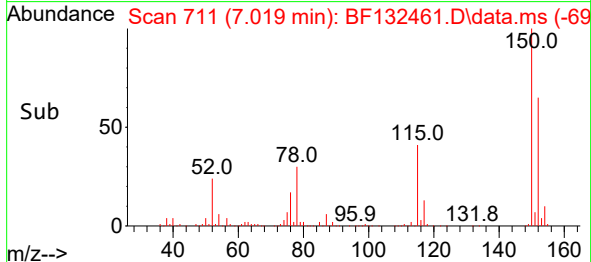
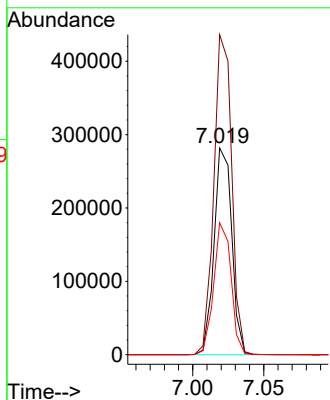
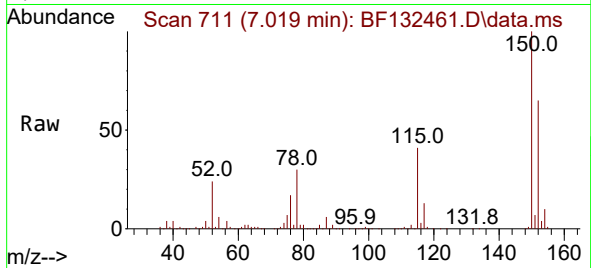




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.019 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

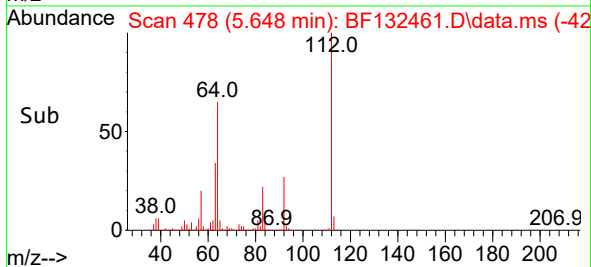
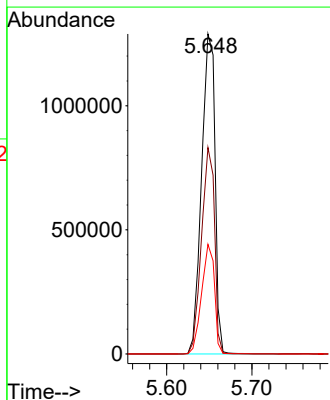
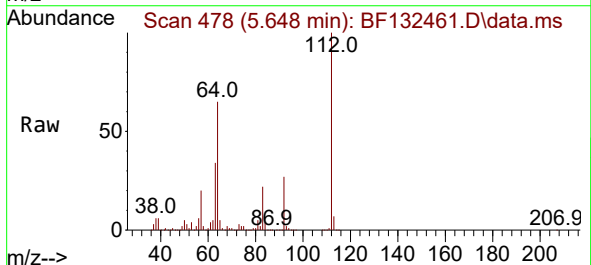
Instrument :
BNA_F
ClientSampleId :
S-322-2

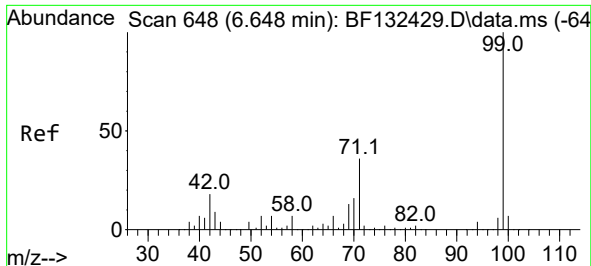
Tgt Ion:152 Resp: 243864
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 63.9 50.4 75.6



#5
2-Fluorophenol
Concen: 92.868 ng
RT: 5.648 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion:112 Resp: 1413356
Ion Ratio Lower Upper
112 100
64 64.5 49.7 74.5
63 34.3 25.8 38.8

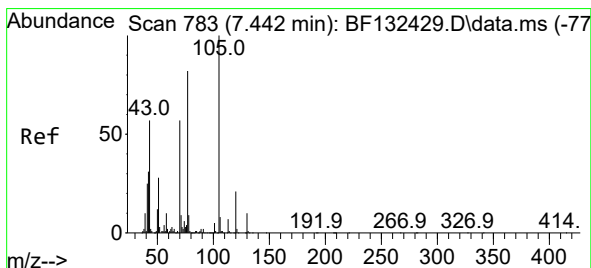
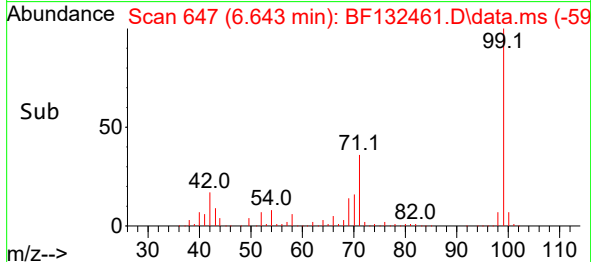
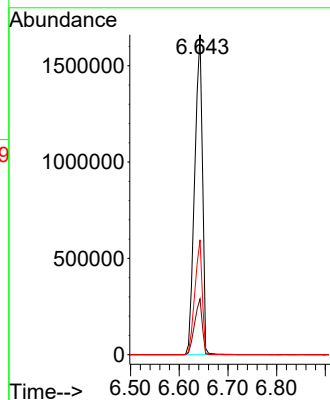
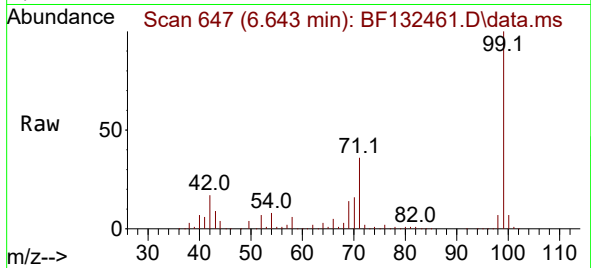




#7
Phenol-d6
Concen: 92.694 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

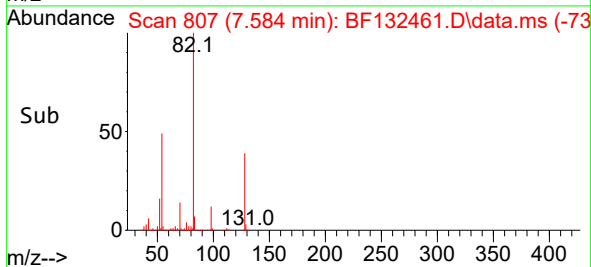
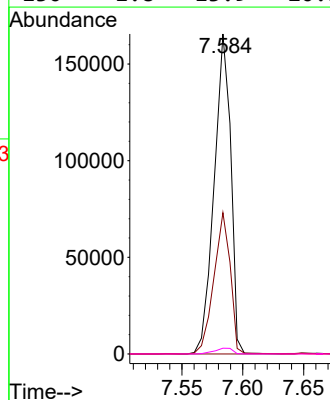
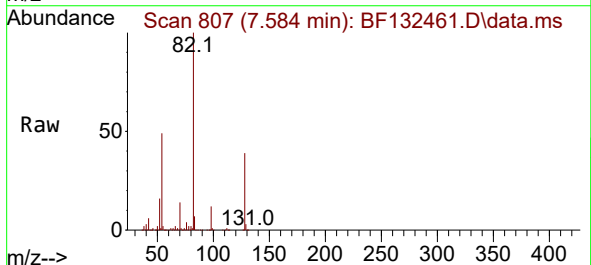
Instrument :
BNA_F
ClientSampleId :
S-322-2

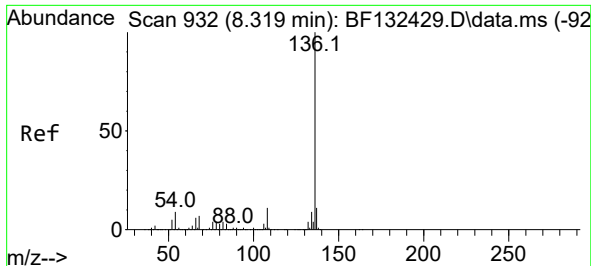
Tgt Ion: 99 Resp: 1842055
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 35.9 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.925 ng
RT: 7.584 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion: 70 Resp: 157458
Ion Ratio Lower Upper
70 100
42 44.2 43.5 65.3
101 0.0 7.3 10.9#
130 1.8 13.9 20.9#

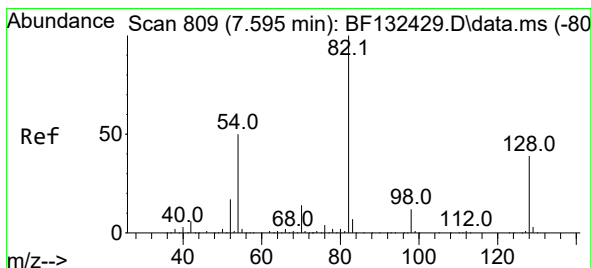
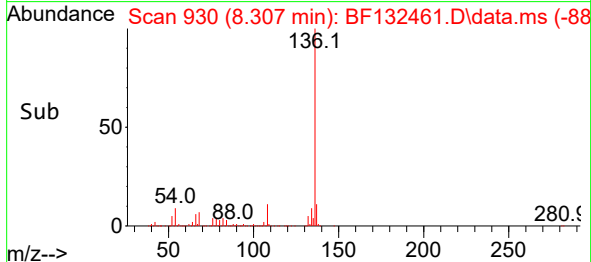
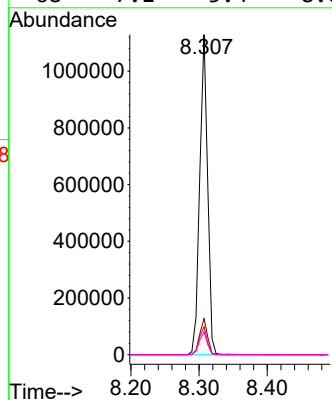
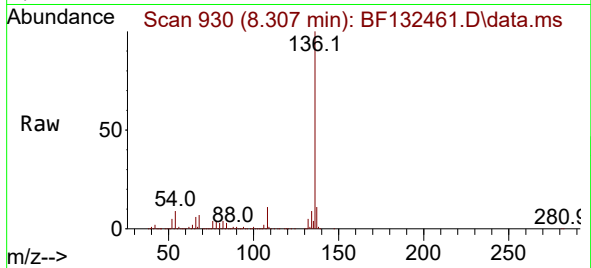




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

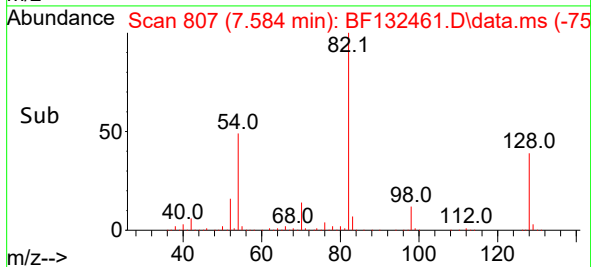
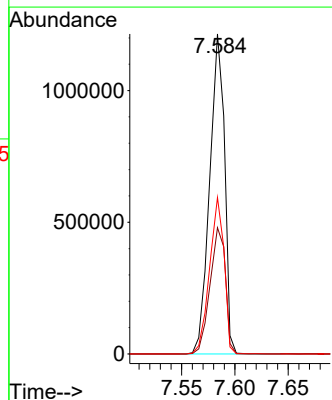
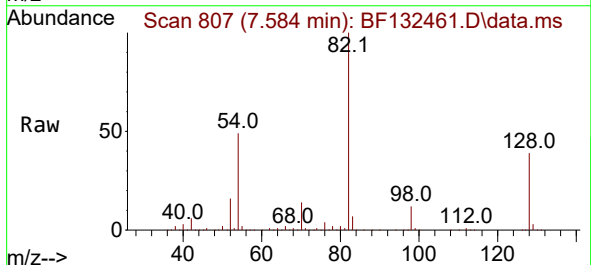
Instrument :
BNA_F
ClientSampleId :
S-322-2

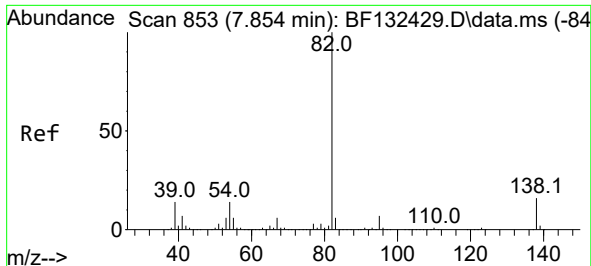
Tgt Ion:136 Resp: 909621
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.7 6.9 10.3
68 7.1 5.4 8.0



#23
Nitrobenzene-d5
Concen: 62.557 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion: 82 Resp: 1184271
Ion Ratio Lower Upper
82 100
128 39.5 30.8 46.2
54 48.9 40.2 60.4

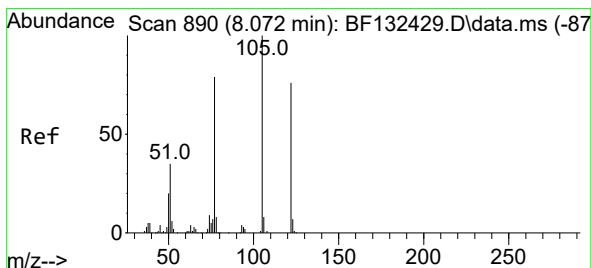
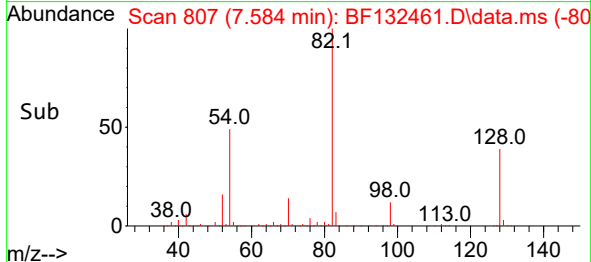
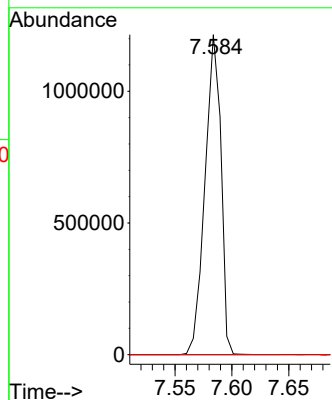
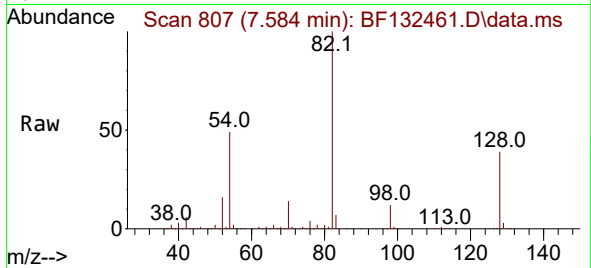




#25
Isophorone
Concen: 31.835 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

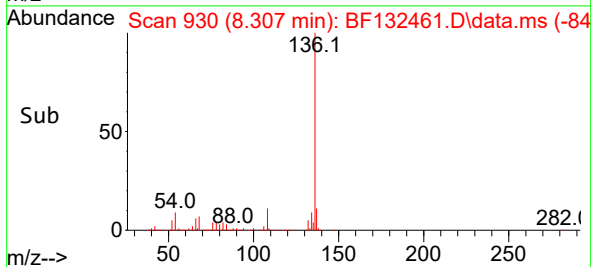
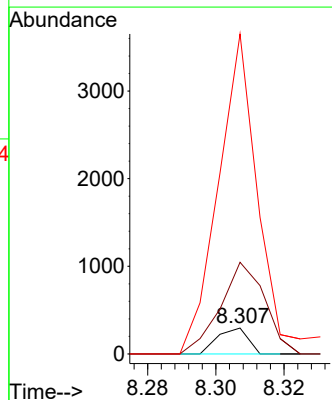
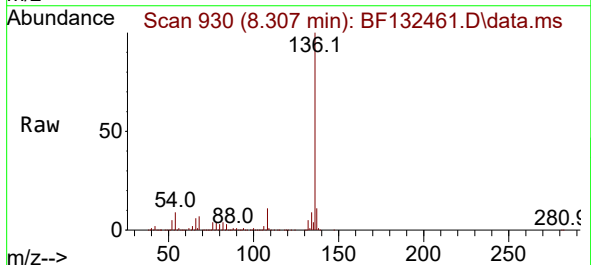
Instrument :
BNA_F
ClientSampleId :
S-322-2

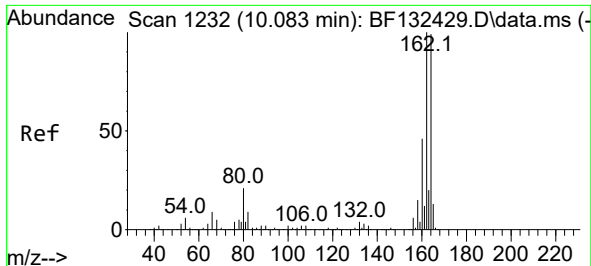
Tgt Ion: 82 Resp: 1184257
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.165 ng
RT: 8.307 min Scan# 930
Delta R.T. 0.229 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion:122 Resp: 184
Ion Ratio Lower Upper
122 100
105 353.4 109.7 149.7#
77 1233.4 83.8 123.8#

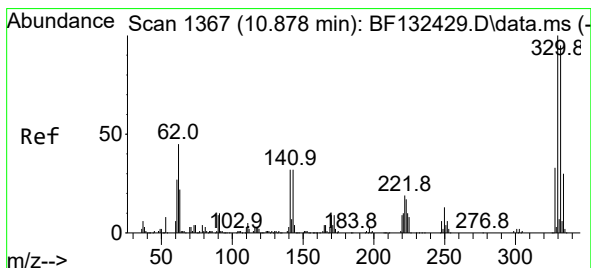
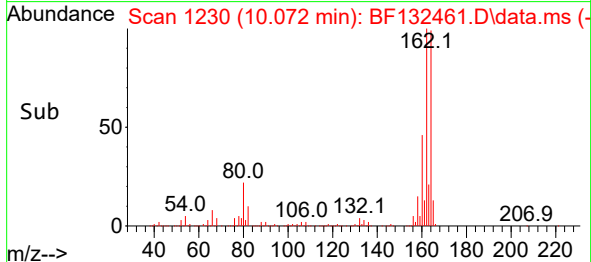
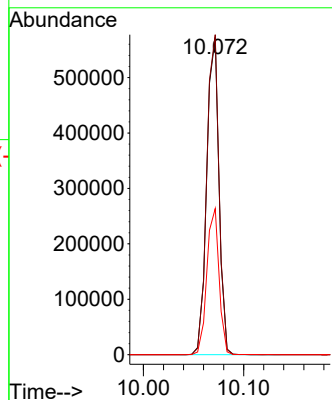
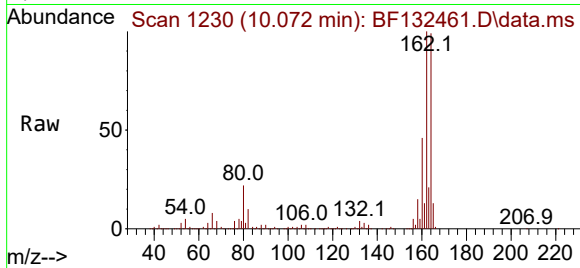




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

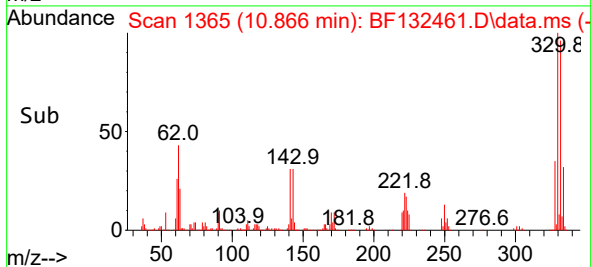
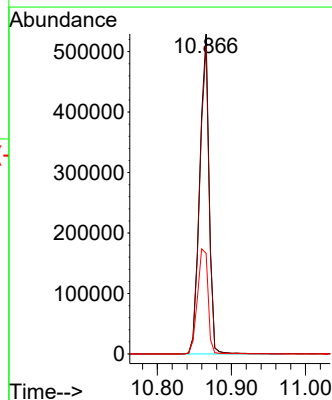
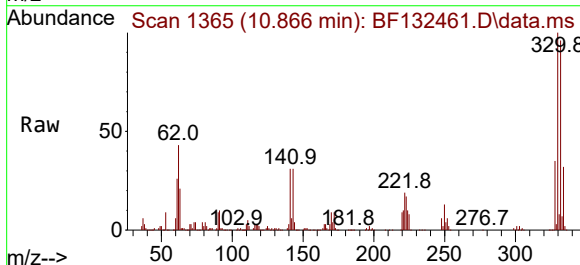
Instrument :
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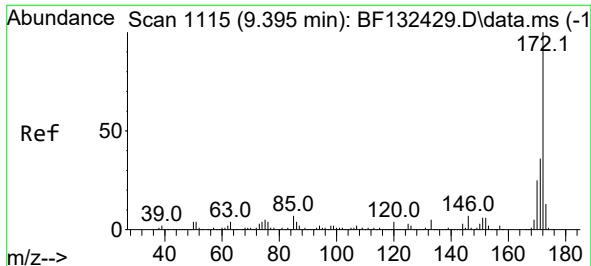
Tgt Ion:164 Resp: 488396
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 46.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 95.339 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion:330 Resp: 464581
Ion Ratio Lower Upper
330 100
332 96.6 76.3 114.5
141 36.9 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 57.299 ng

RT: 9.383 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF132461.D

Acq: 17 Feb 2023 21:11

Instrument :

BNA_F

ClientSampleId :

S-322-2

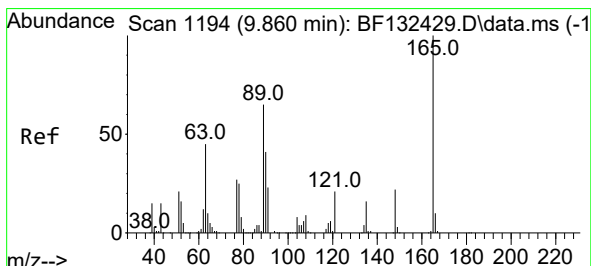
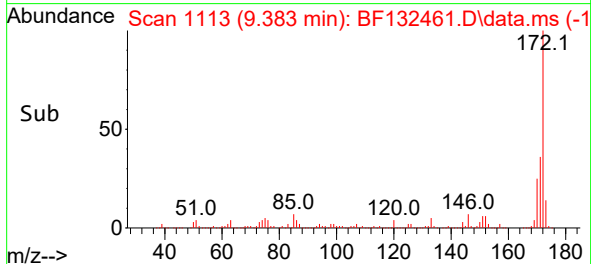
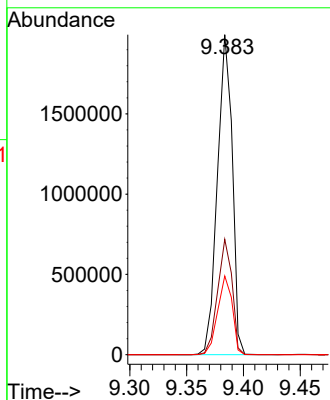
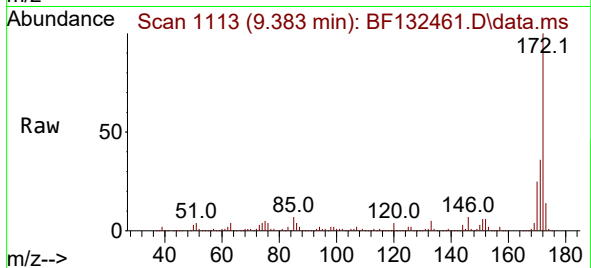
Tgt Ion:172 Resp: 1812114

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

170 24.6 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.011 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132461.D

Acq: 17 Feb 2023 21:11

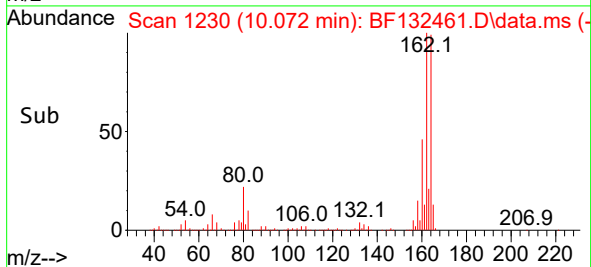
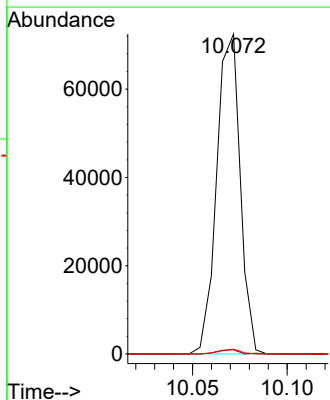
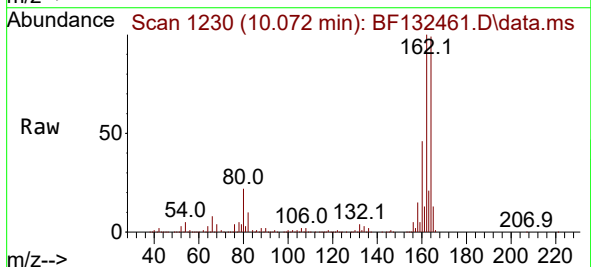
Tgt Ion:165 Resp: 62655

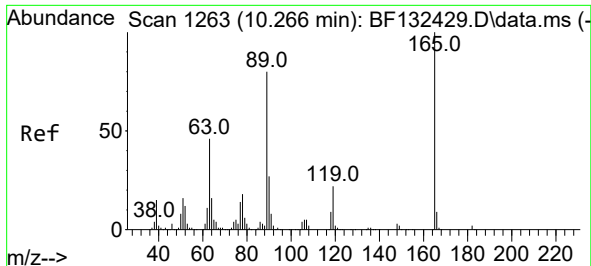
Ion Ratio Lower Upper

165 100

63 1.3 50.4 75.6#

89 1.5 52.2 78.2#

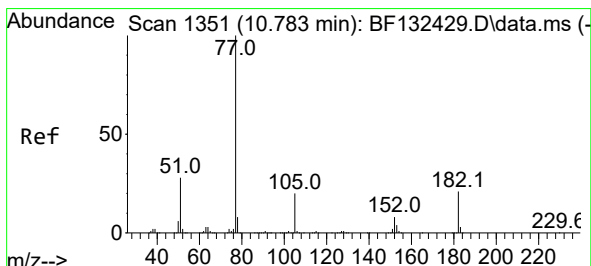
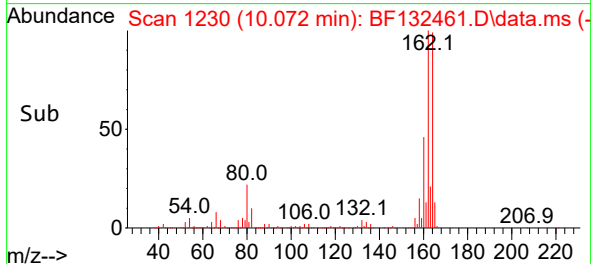
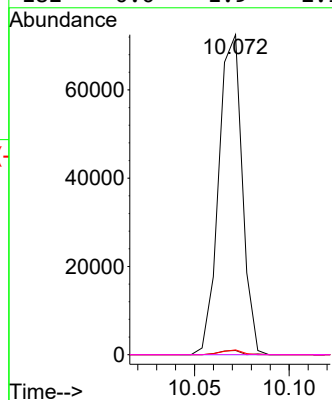
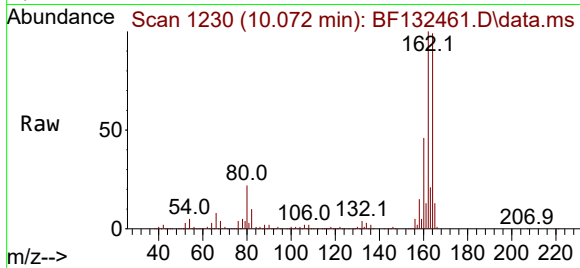




#57
2,4-Dinitrotoluene
Concen: 6.085 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

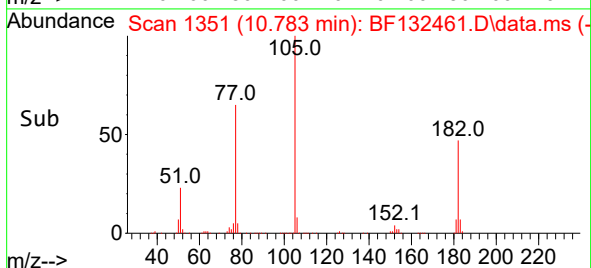
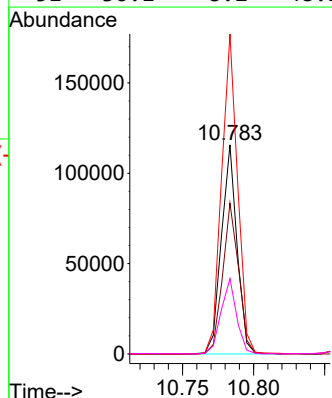
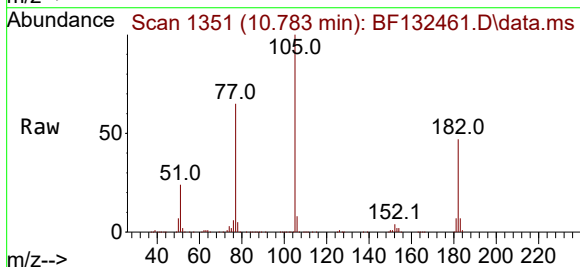
Instrument :
BNA_F
ClientSampleId :
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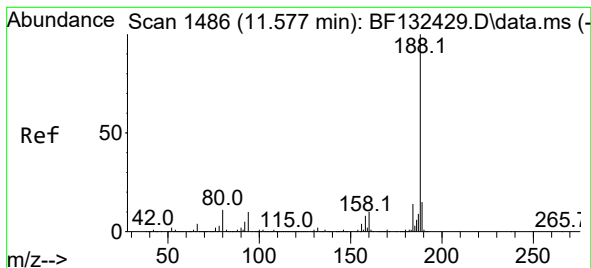
Tgt Ion:165 Resp: 62655
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 1.5 63.6 95.4#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.260 ng
RT: 10.783 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion: 77 Resp: 88420
Ion Ratio Lower Upper
77 100
182 72.1 1.4 41.4#
105 153.0 0.1 40.1#
51 36.1 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: BF132461.D

Acq: 17 Feb 2023 21:11

Instrument :

BNA_F

ClientSampleId :

S-322-2

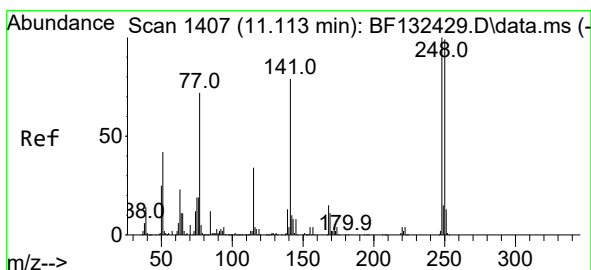
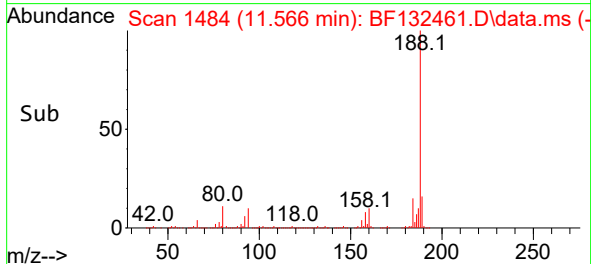
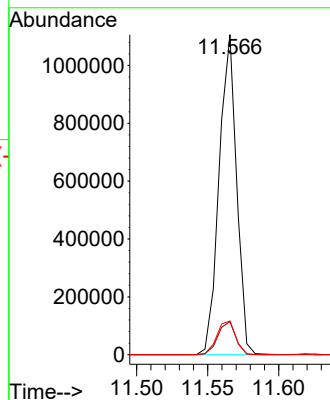
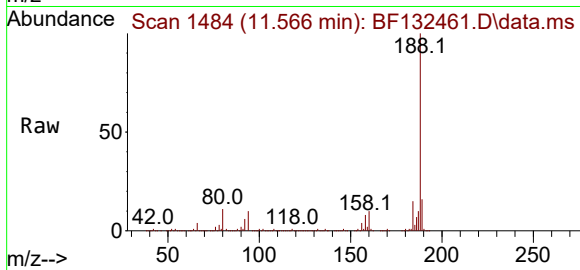
Tgt Ion:188 Resp: 947047

Ion Ratio Lower Upper

188 100

94 10.4 8.0 12.0

80 10.6 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.998 ng

RT: 10.866 min Scan# 1365

Delta R.T. -0.241 min

Lab File: BF132461.D

Acq: 17 Feb 2023 21:11

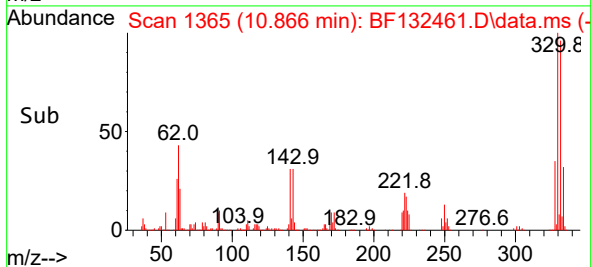
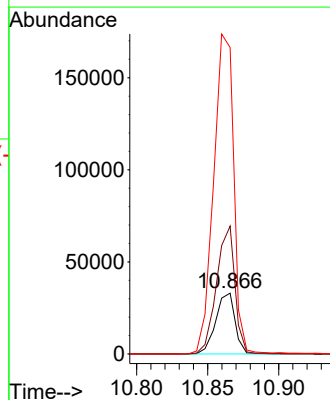
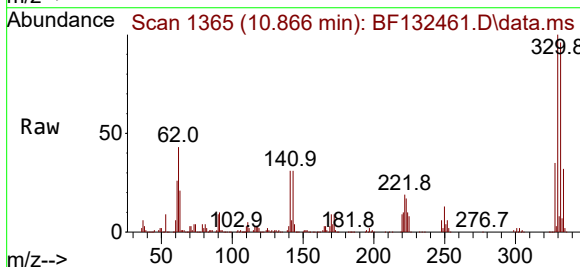
Tgt Ion:248 Resp: 31115

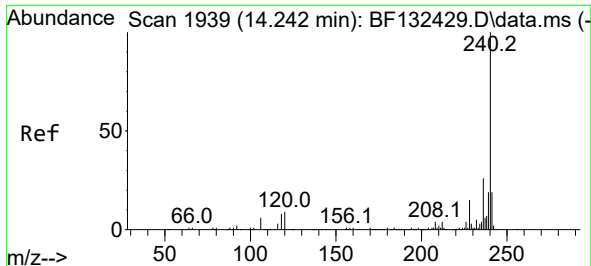
Ion Ratio Lower Upper

248 100

250 210.1 79.0 118.4#

141 503.6 63.3 94.9#

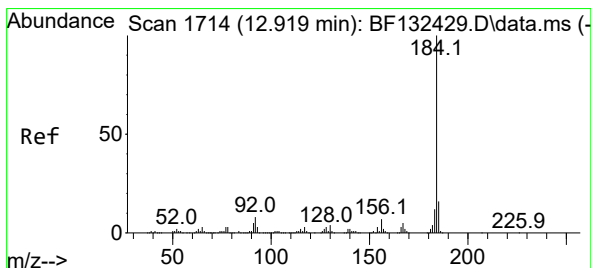
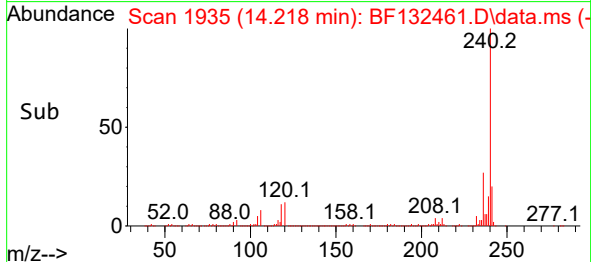
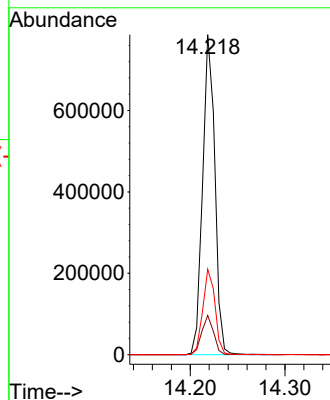
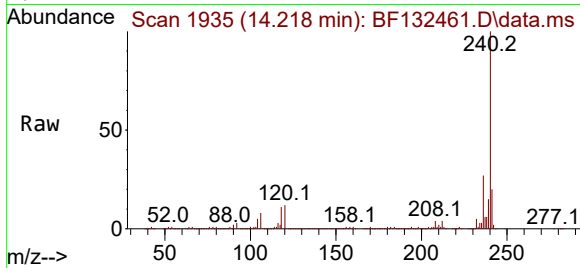




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

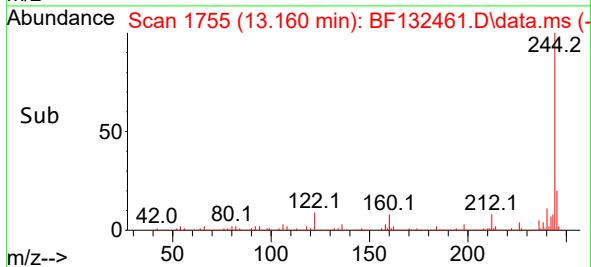
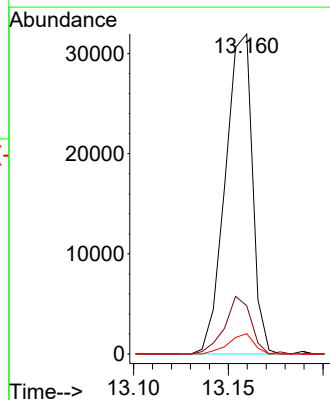
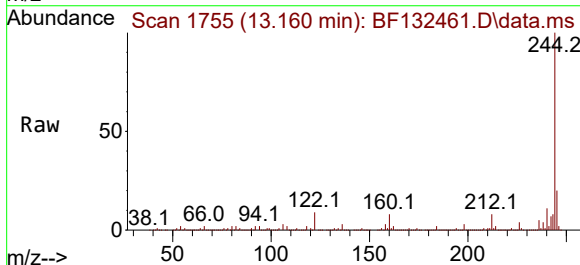
Instrument :
BNA_F
ClientSampleId :
S-322-2

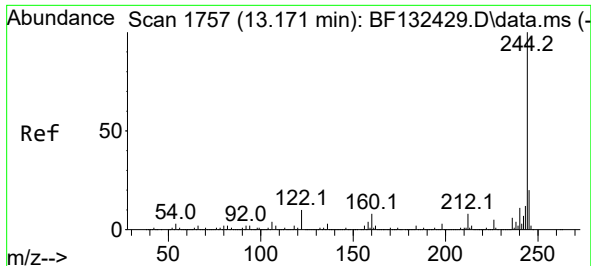
Tgt Ion:240 Resp: 705007
Ion Ratio Lower Upper
240 100
120 12.3 7.5 11.3#
236 26.7 21.0 31.6



#77
Benzidine
Concen: 2.114 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.247 min
Lab File: BF132461.D
Acq: 17 Feb 2023 21:11

Tgt Ion:184 Resp: 31740
Ion Ratio Lower Upper
184 100
185 15.1 12.4 18.6
183 6.3 9.2 13.8#

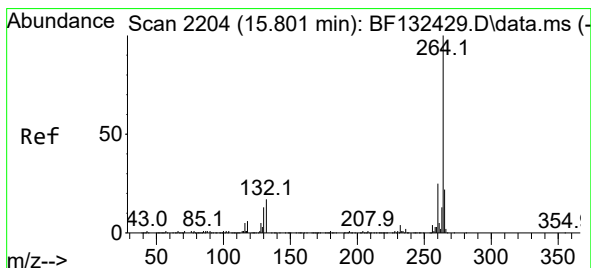
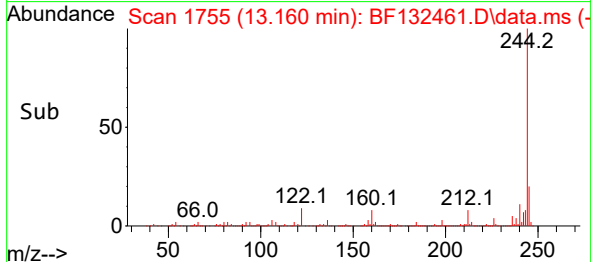
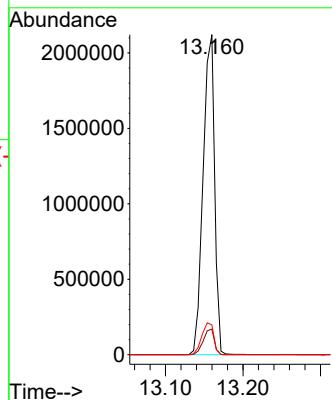
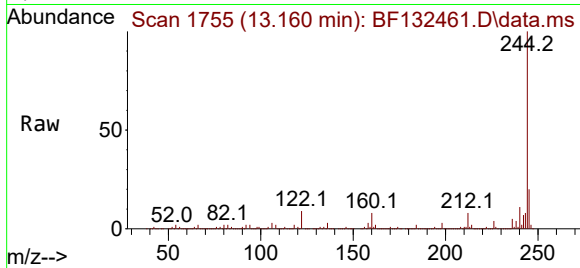




#79
 Terphenyl-d14
 Concen: 56.432 ng
 RT: 13.160 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF132461.D
 Acq: 17 Feb 2023 21:11

Instrument :
 BNA_F
 ClientSampleId :
 S-322-2

Tgt Ion:244 Resp: 2184523
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.7 10.1
 122 9.3 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: BF132461.D
 Acq: 17 Feb 2023 21:11

Tgt Ion:264 Resp: 664781
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.0 30.0
 265 22.8 17.2 25.8

