

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132463.D
 Acq On : 17 Feb 2023 22:16
 Operator : CG\JU
 Sample : 01595-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-655-1

Quant Time: Feb 18 01:02:28 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)

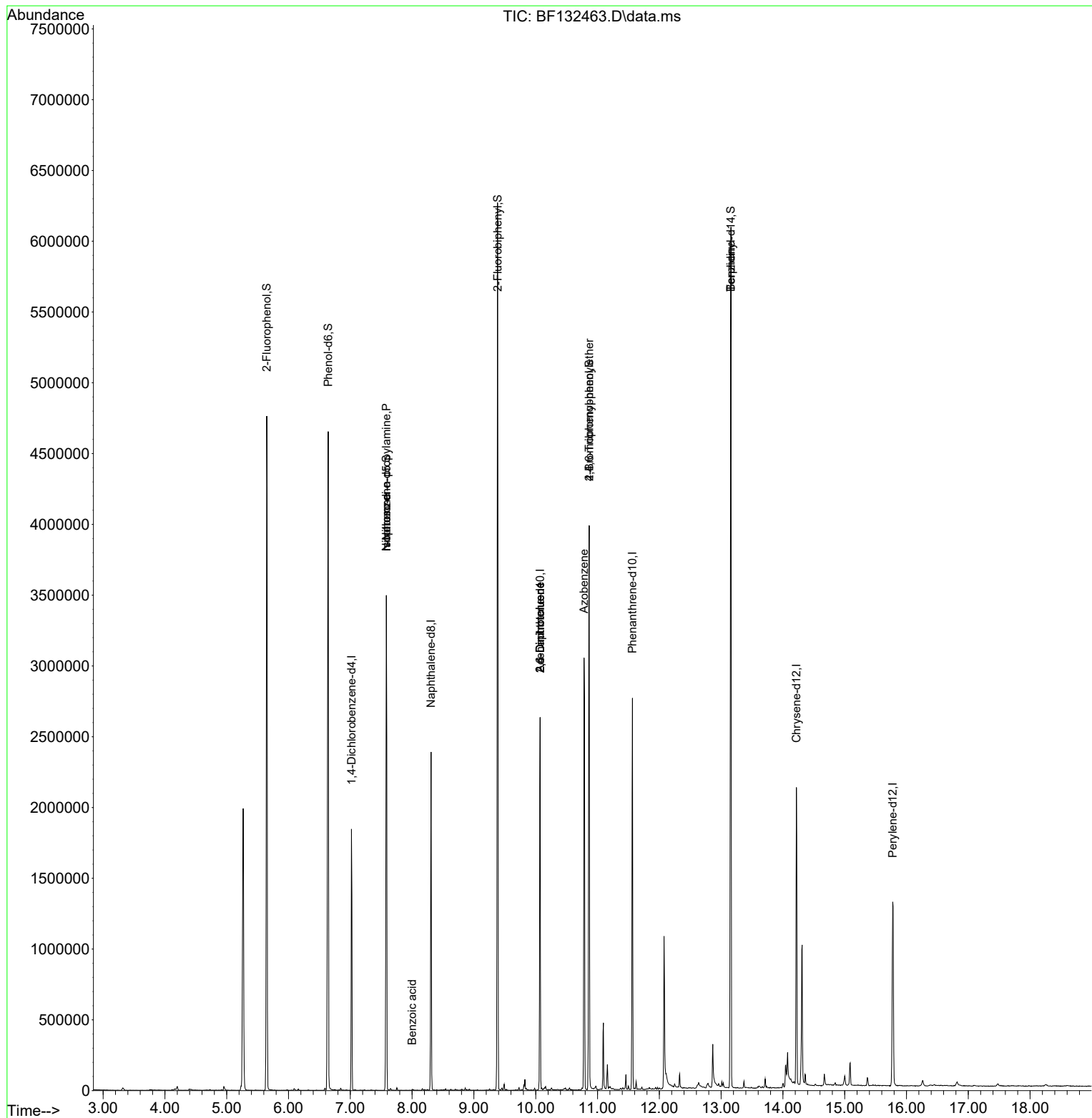
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.019	152	256215	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	944601	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	513120	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	973014	20.000	ng	0.00
76) Chrysene-d12	14.218	240	715355	20.000	ng	#-0.01
86) Perylene-d12	15.777	264	645680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	1421118	88.876	ng	0.00
7) Phenol-d6	6.642	99	1848470	88.533	ng	0.00
23) Nitrobenzene-d5	7.583	82	1190466	60.556	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	468825	91.574	ng	0.00
45) 2-Fluorobiphenyl	9.383	172	1879086	56.554	ng	0.00
79) Terphenyl-d14	13.160	244	2240159	57.032	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.583	70	159632	12.471	ng	# 79
25) Isophorone	7.583	82	1188958	30.778	ng	# 68
32) Benzoic acid	8.001	122	157	7.162	ng	# 45
51) 2,6-Dinitrotoluene	10.072	165	65716	7.997	ng	# 20
57) 2,4-Dinitrotoluene	10.072	165	65716	6.075	ng	# 20
63) Azobenzene	10.783	77	589245	14.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.866	248	31068	2.913	ng	# 1
77) Benzidine	13.160	184	33500	2.199	ng	# 92

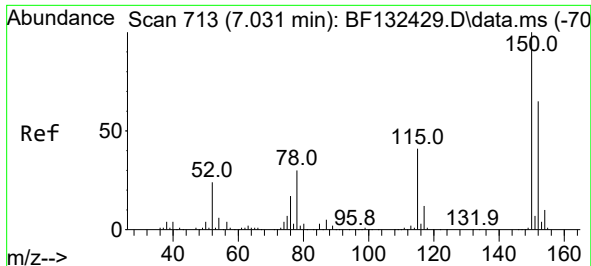
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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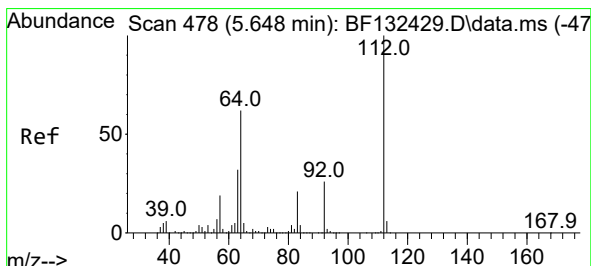
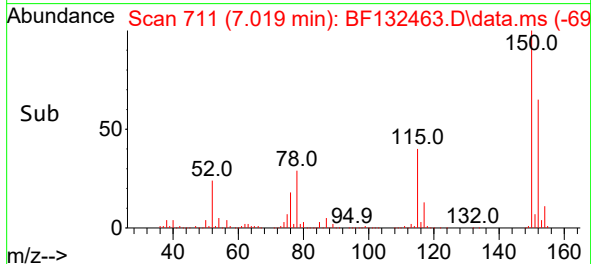
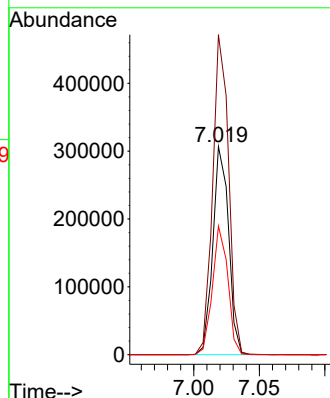
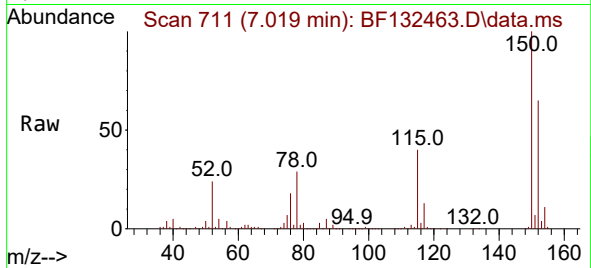




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.019 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

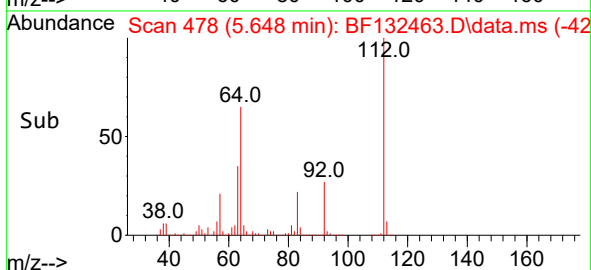
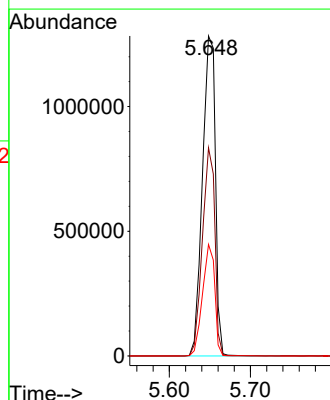
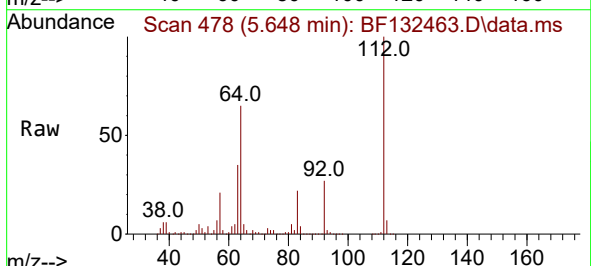
Instrument :
BNA_F
ClientSampleId :
S-655-1

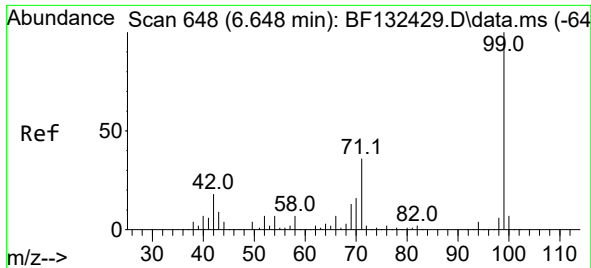
Tgt Ion:152 Resp: 256215
Ion Ratio Lower Upper
152 100
150 153.7 123.8 185.8
115 61.8 50.4 75.6



#5
2-Fluorophenol
Concen: 88.876 ng
RT: 5.648 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion:112 Resp: 1421118
Ion Ratio Lower Upper
112 100
64 65.1 49.7 74.5
63 34.9 25.8 38.8

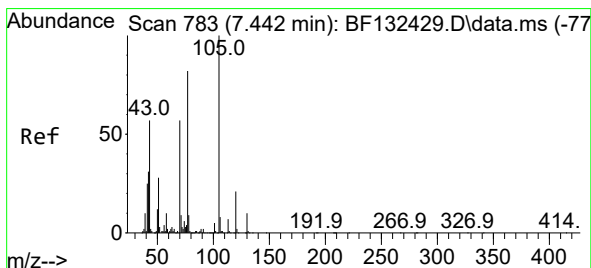
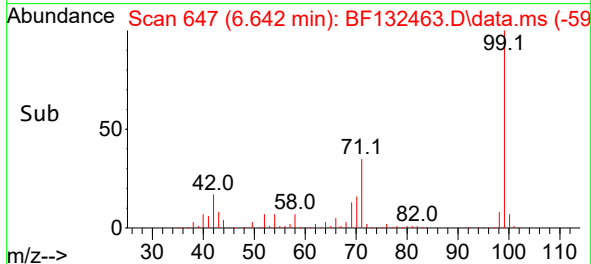
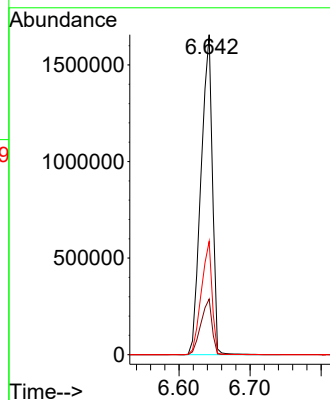
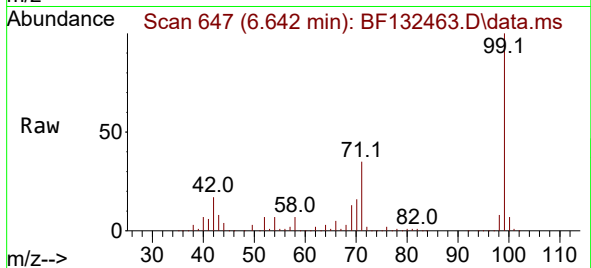




#7
Phenol-d6
Concen: 88.533 ng
RT: 6.642 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

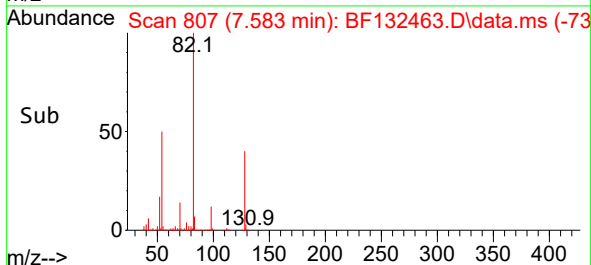
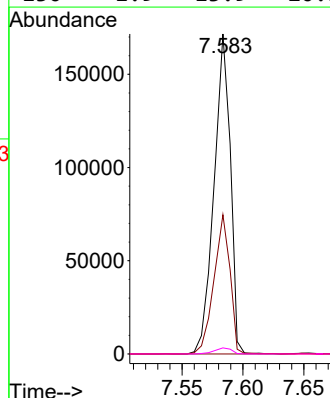
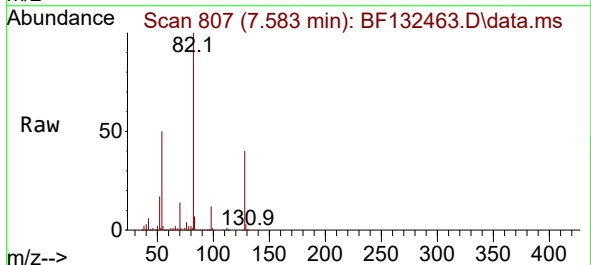
Instrument :
BNA_F
ClientSampleId :
S-655-1

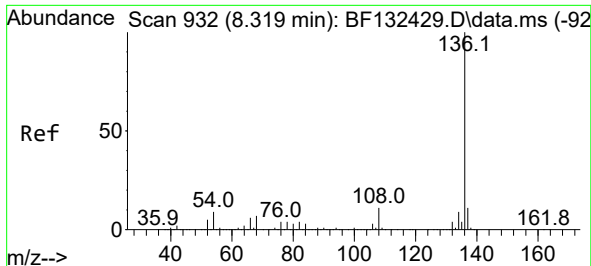
Tgt Ion: 99 Resp: 1848470
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 35.4 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.471 ng
RT: 7.583 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion: 70 Resp: 159632
Ion Ratio Lower Upper
70 100
42 43.5 43.5 65.3#
101 0.0 7.3 10.9#
130 1.9 13.9 20.9#



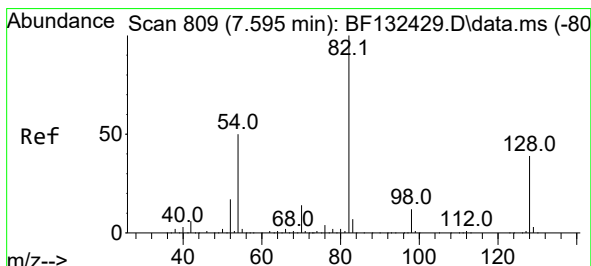
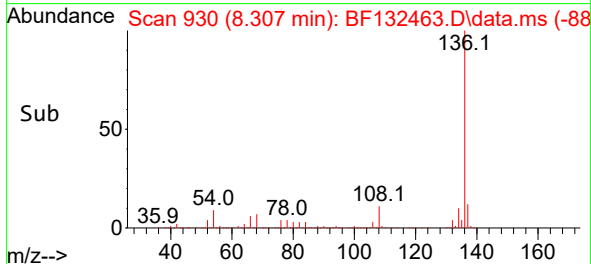
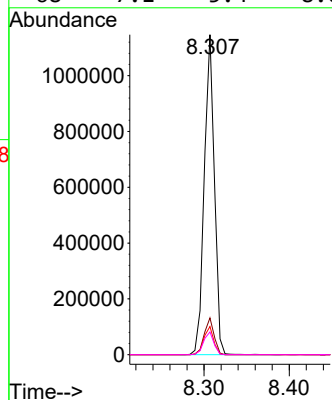
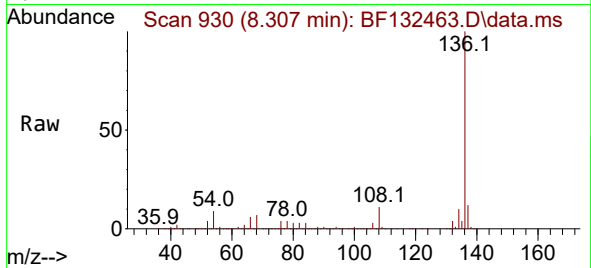


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Instrument :
BNA_F
ClientSampleId :
S-655-1

Tgt Ion:136 Resp: 944601

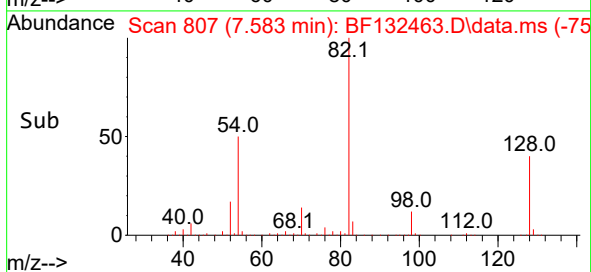
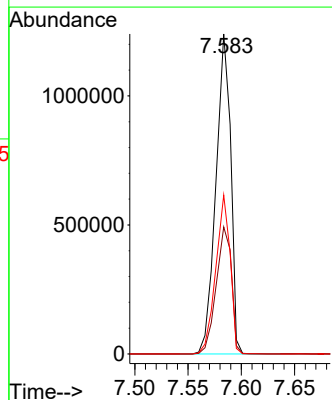
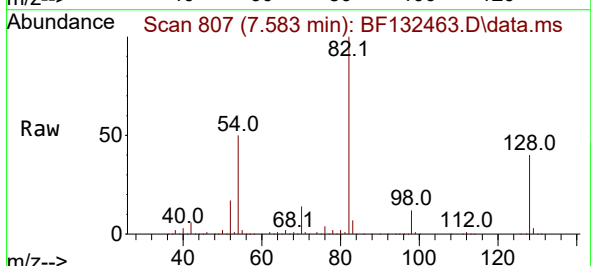
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.8	6.9	10.3
68	7.1	5.4	8.0

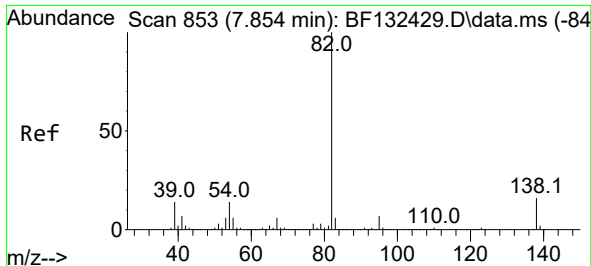


#23
Nitrobenzene-d5
Concen: 60.556 ng
RT: 7.583 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion: 82 Resp: 1190466

Ion	Ratio	Lower	Upper
82	100		
128	39.7	30.8	46.2
54	49.7	40.2	60.4

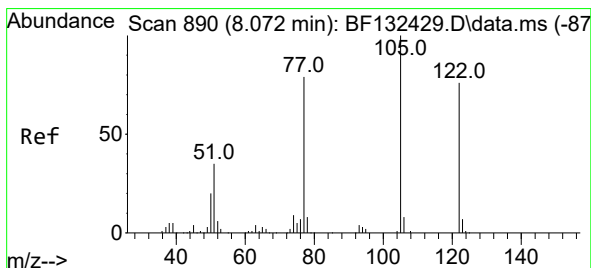
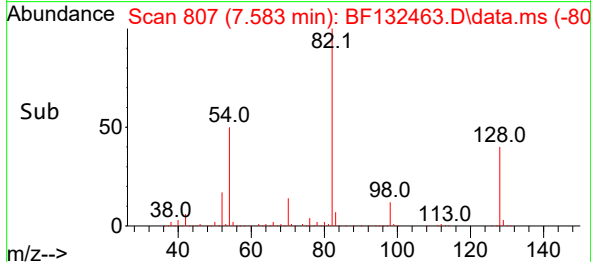
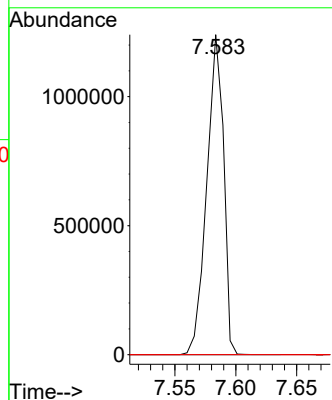
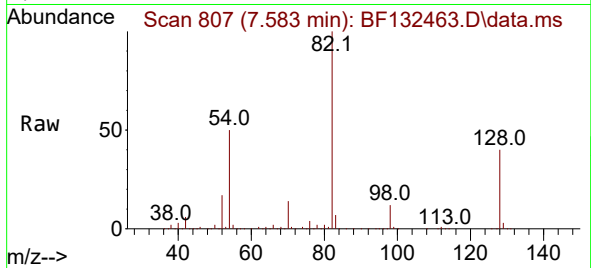




#25
Isophorone
Concen: 30.778 ng
RT: 7.583 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

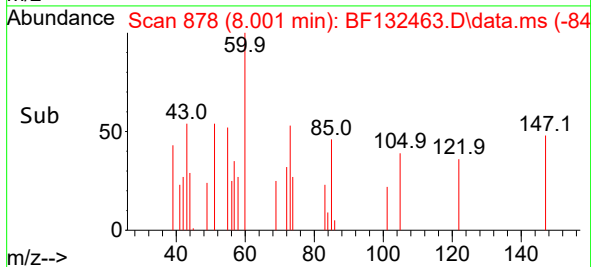
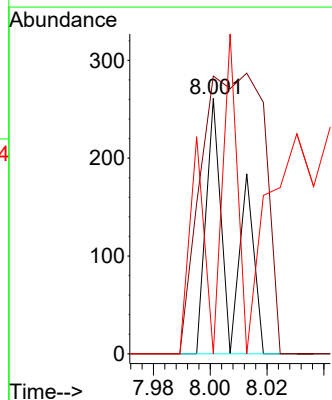
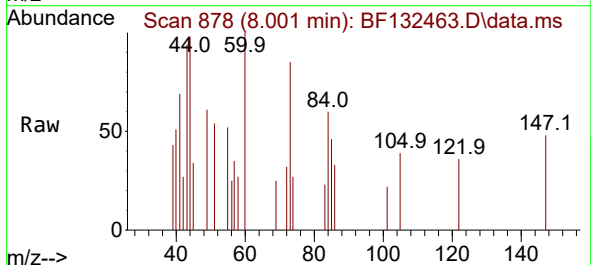
Instrument :
BNA_F
ClientSampleId :
S-655-1

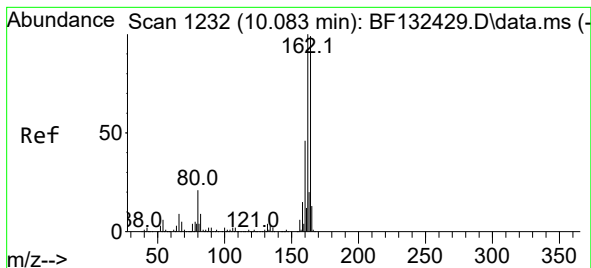
Tgt Ion: 82 Resp: 1188958
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.162 ng
RT: 8.001 min Scan# 878
Delta R.T. -0.077 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 108.8 109.7 149.7#
77 0.0 83.8 123.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.072 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132463.D

Acq: 17 Feb 2023 22:16

Instrument :

BNA_F

ClientSampleId :

S-655-1

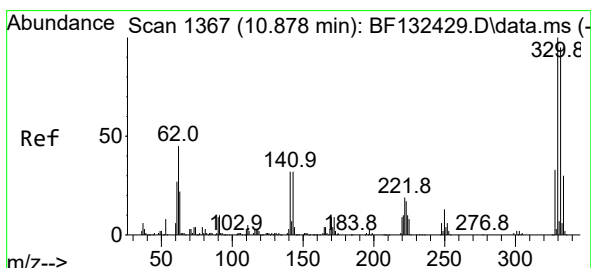
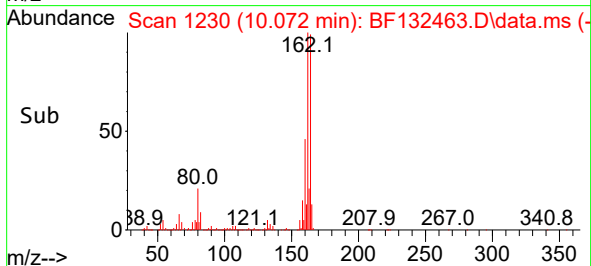
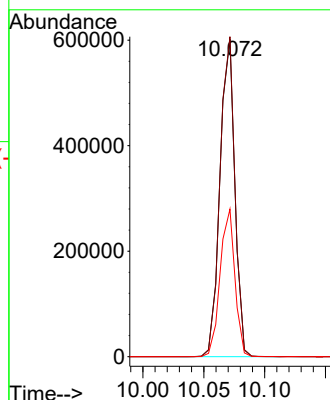
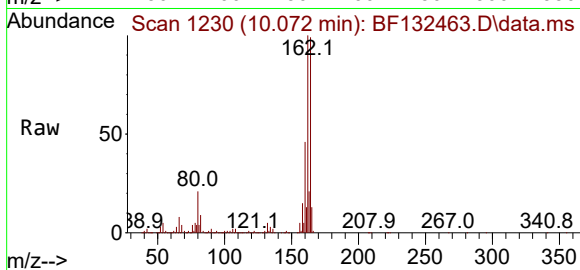
Tgt Ion:164 Resp: 513120

Ion Ratio Lower Upper

164 100

162 100.8 80.8 121.2

160 46.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 91.574 ng

RT: 10.866 min Scan# 1365

Delta R.T. -0.006 min

Lab File: BF132463.D

Acq: 17 Feb 2023 22:16

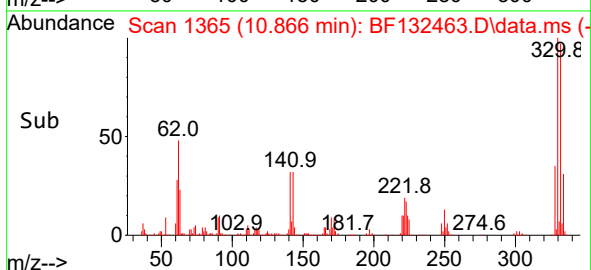
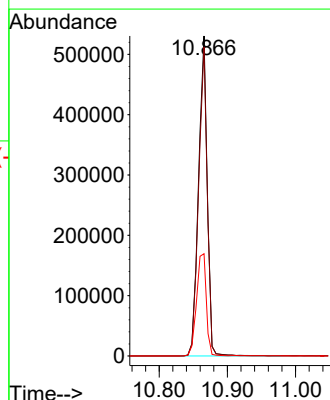
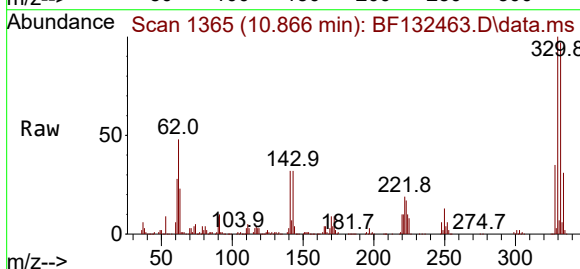
Tgt Ion:330 Resp: 468825

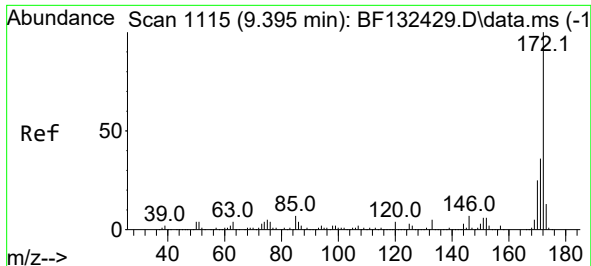
Ion Ratio Lower Upper

330 100

332 96.0 76.3 114.5

141 35.6 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 56.554 ng

RT: 9.383 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF132463.D

Acq: 17 Feb 2023 22:16

Instrument :

BNA_F

ClientSampleId :

S-655-1

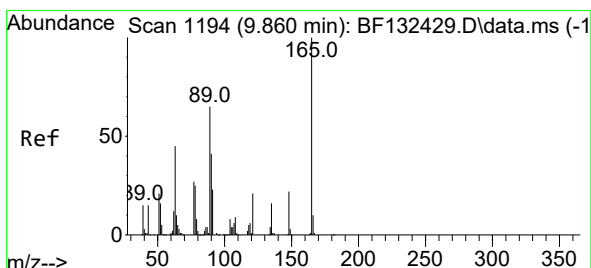
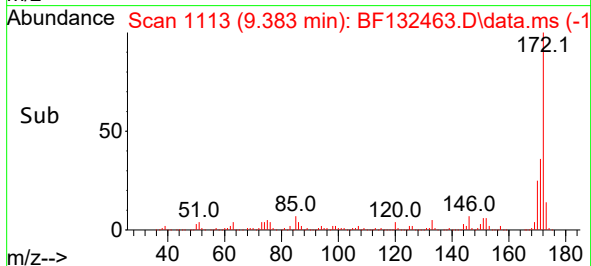
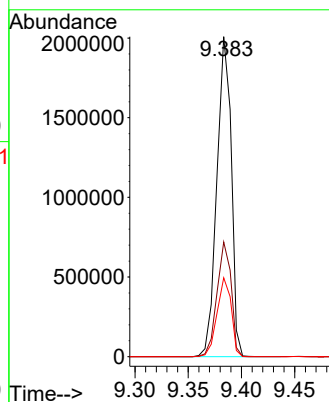
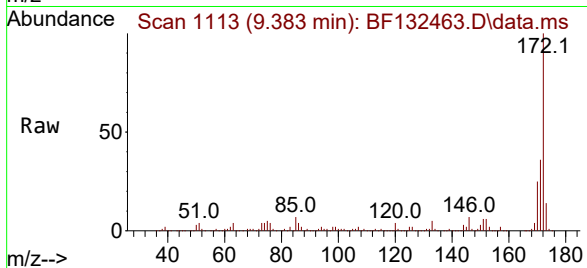
Tgt Ion:172 Resp: 1879086

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 24.6 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 7.997 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132463.D

Acq: 17 Feb 2023 22:16

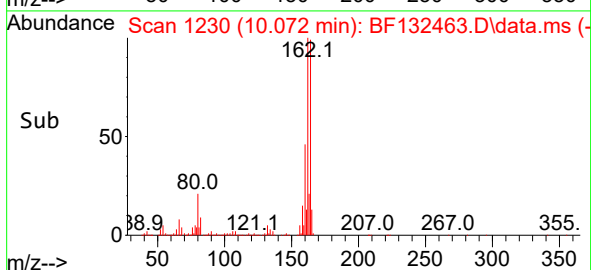
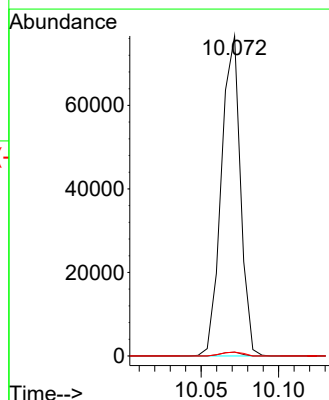
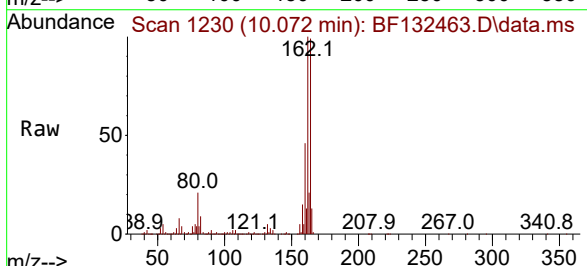
Tgt Ion:165 Resp: 65716

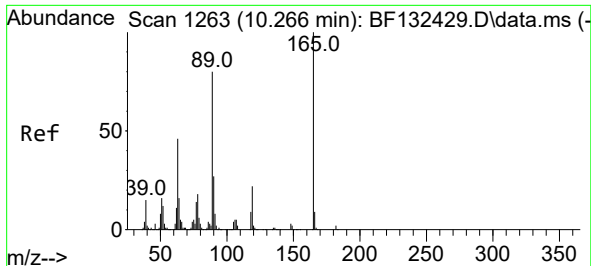
Ion Ratio Lower Upper

165 100

63 1.2 50.4 75.6#

89 1.2 52.2 78.2#

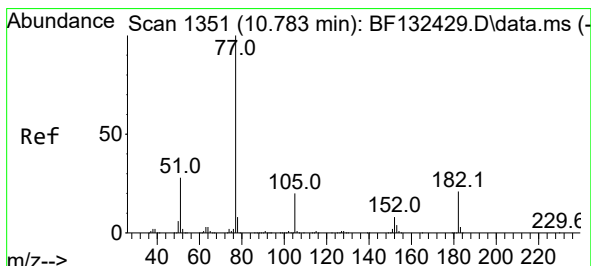
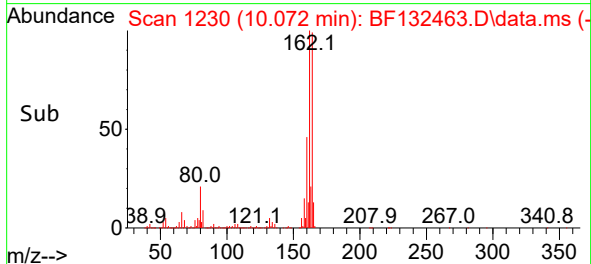
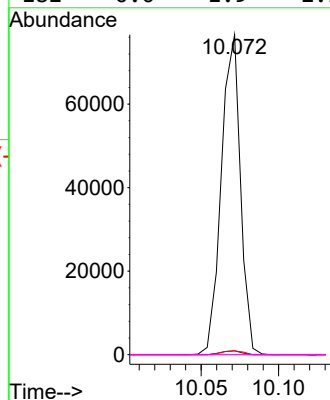
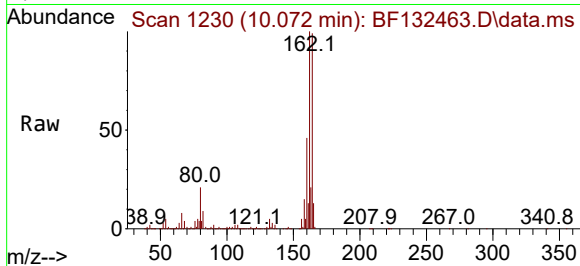




#57
2,4-Dinitrotoluene
Concen: 6.075 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

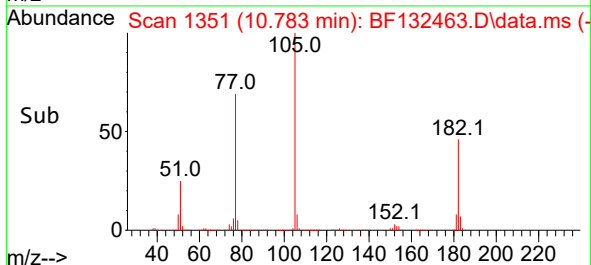
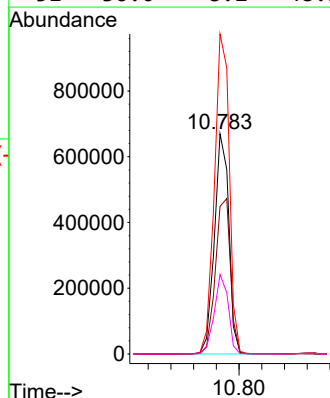
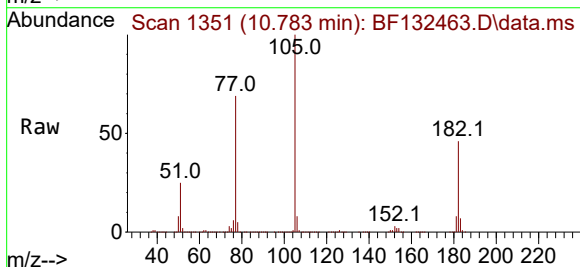
Instrument :
BNA_F
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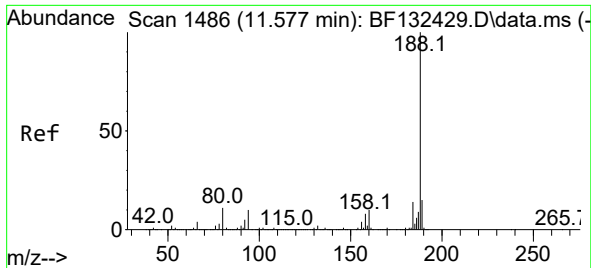
Tgt Ion:165 Resp: 65716
Ion Ratio Lower Upper
165 100
63 1.2 37.1 55.7#
89 1.2 63.6 95.4#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 14.337 ng
RT: 10.783 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion: 77 Resp: 589245
Ion Ratio Lower Upper
77 100
182 67.0 1.4 41.4#
105 145.3 0.1 40.1#
51 36.0 8.2 48.2

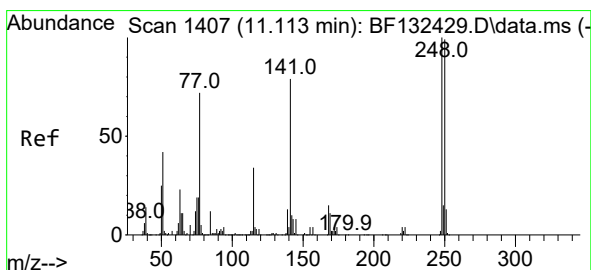
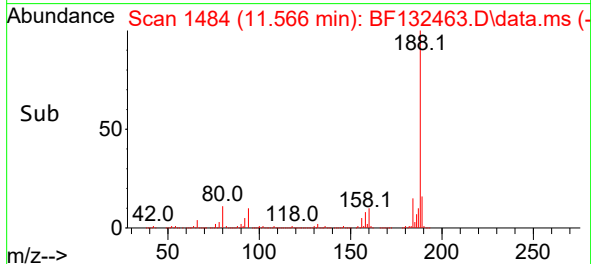
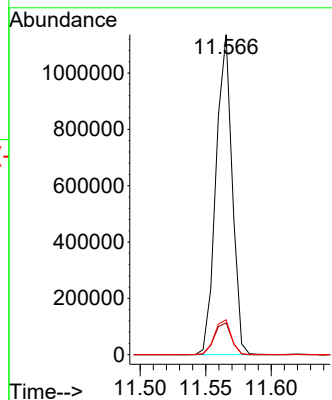
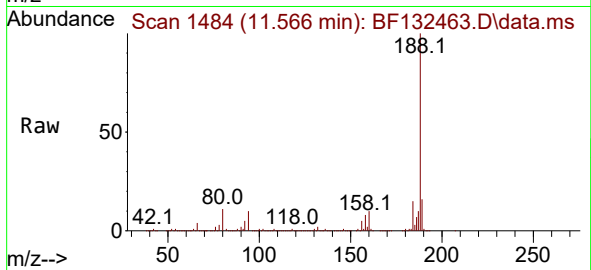




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.566 min Scan# 1486
Delta R.T. -0.006 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

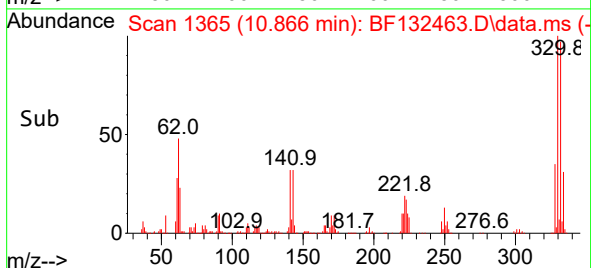
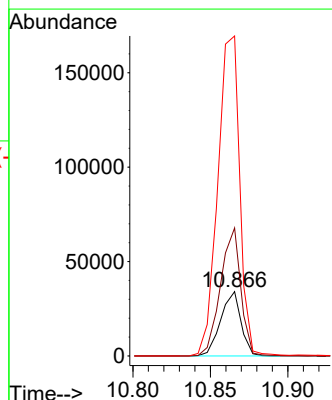
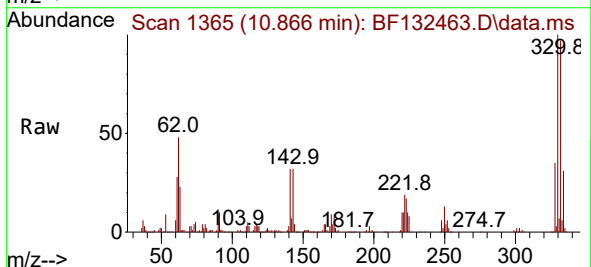
Instrument :
BNA_F
ClientSampleId :
S-655-1

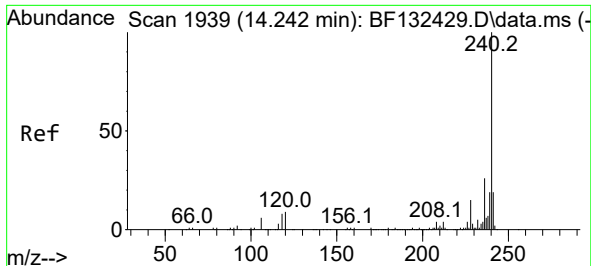
Tgt Ion:188 Resp: 973014
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 10.9 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 2.913 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.241 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion:248 Resp: 31068
Ion Ratio Lower Upper
248 100
250 199.1 79.0 118.4#
141 497.9 63.3 94.9#

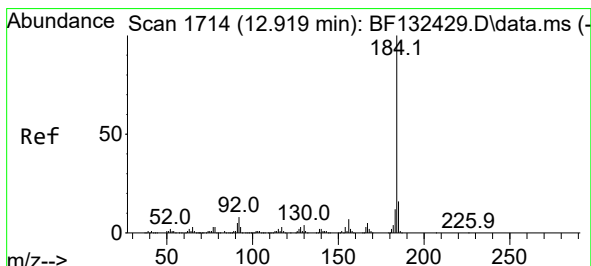
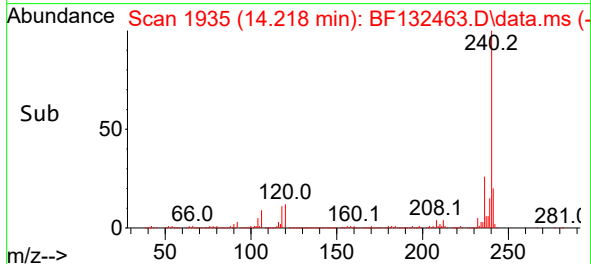
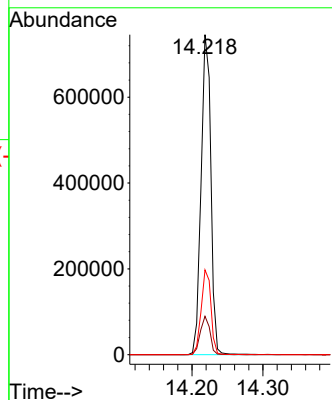
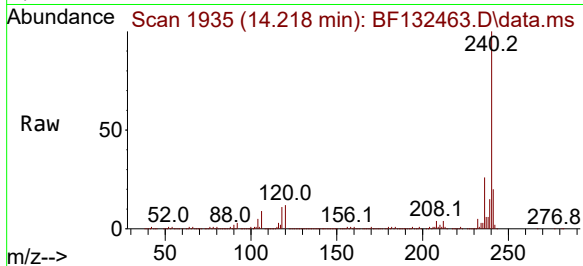




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

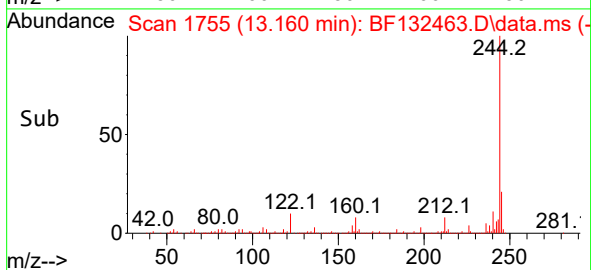
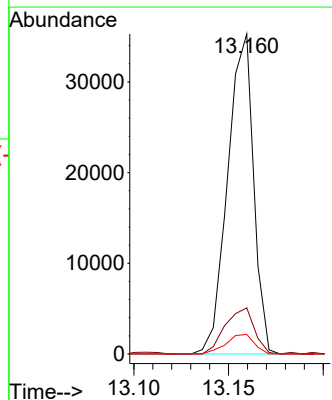
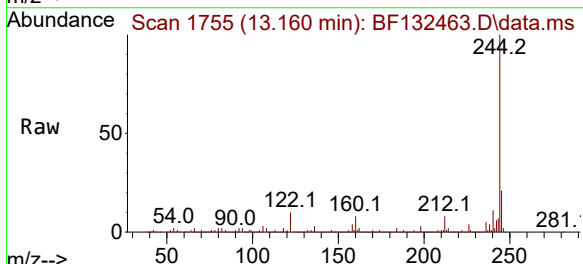
Instrument :
BNA_F
ClientSampleId :
S-655-1

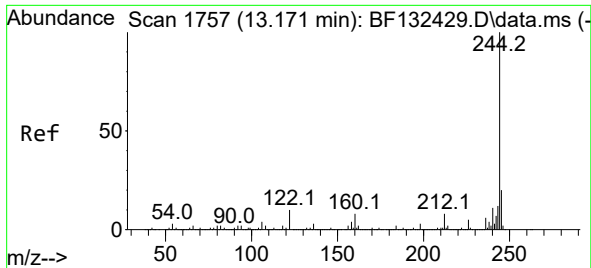
Tgt Ion:240 Resp: 715355
Ion Ratio Lower Upper
240 100
120 12.0 7.5 11.3#
236 26.5 21.0 31.6



#77
Benzidine
Concen: 2.199 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.247 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion:184 Resp: 33500
Ion Ratio Lower Upper
184 100
185 14.4 12.4 18.6
183 6.1 9.2 13.8#

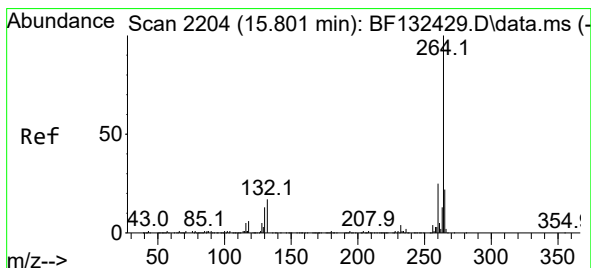
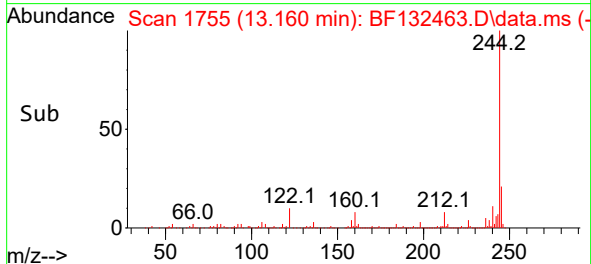
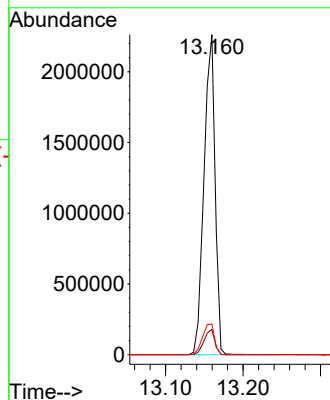
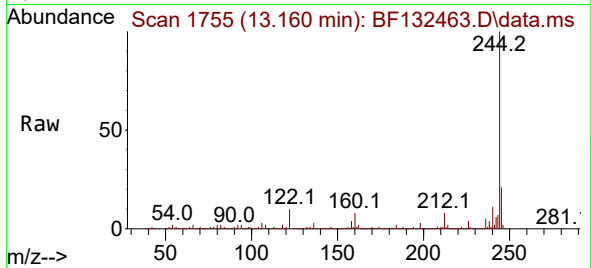




#79
Terphenyl-d14
Concen: 57.032 ng
RT: 13.160 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BF132463.D
Acq: 17 Feb 2023 22:16

Instrument :
BNA_F
ClientSampleId :
S-655-1

Tgt Ion:244 Resp: 2240159
Ion Ratio Lower Upper
244 100
212 7.9 6.7 10.1
122 9.6 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: BF132463.D
Acq: 17 Feb 2023 22:16

Tgt Ion:264 Resp: 645680
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.0 17.2 25.8

