

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135960.D
 Acq On : 26 Oct 2023 13:29
 Operator : CG\JU
 Sample : 04984-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Quant Time: Oct 26 14:06:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

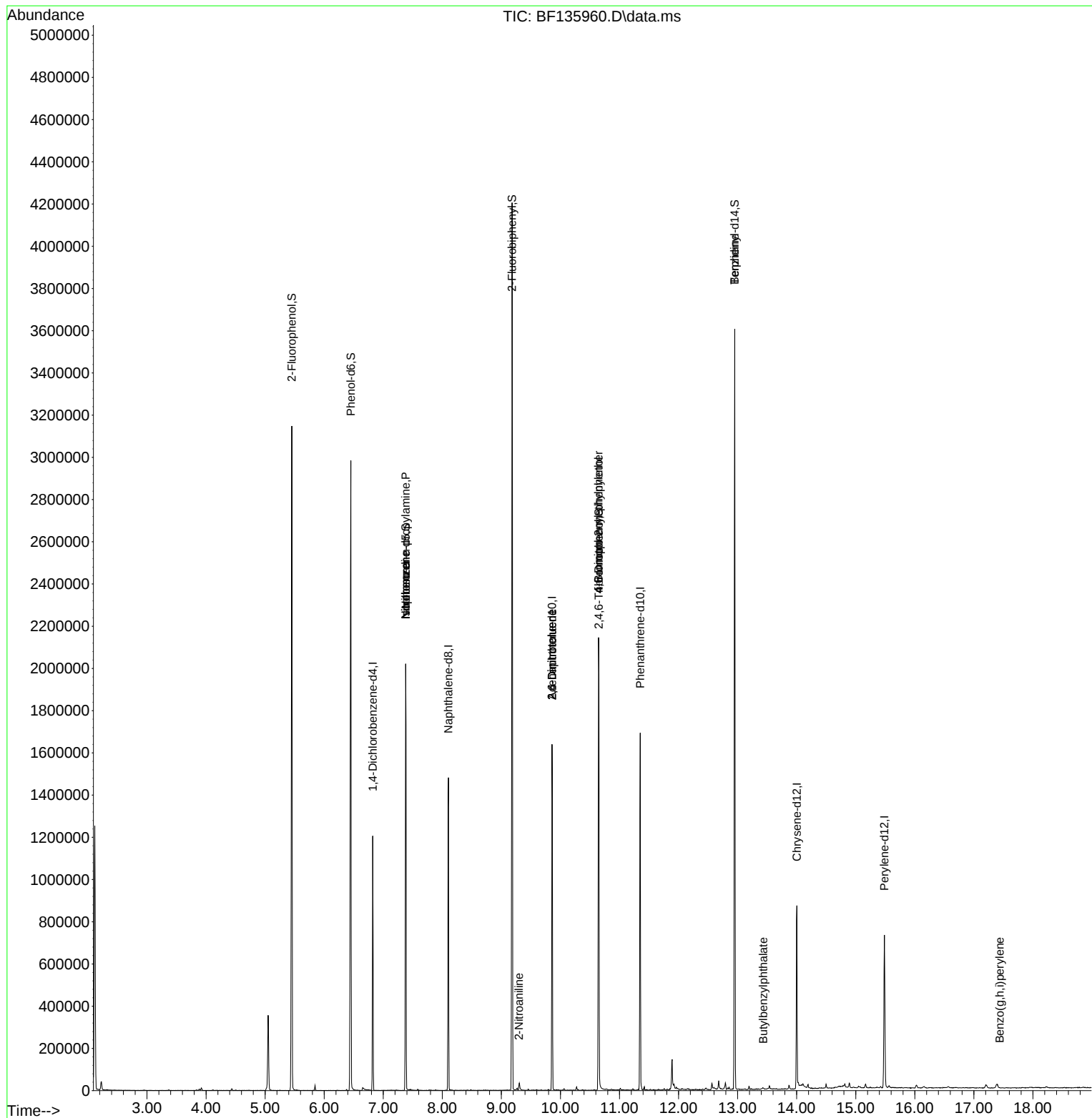
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	154021	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	614772	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	316516	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	577682	20.000	ng	0.00
76) Chrysene-d12	14.004	240	277552	20.000	ng	0.00
86) Perylene-d12	15.486	264	316404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	849873	85.206	ng	0.00
7) Phenol-d6	6.451	99	1042860	83.982	ng	0.00
23) Nitrobenzene-d5	7.381	82	603594	65.890	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	265344	95.776	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1231913	62.322	ng	0.00
79) Terphenyl-d14	12.951	244	1235060	74.347	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.381	70	77423	10.964	ng	# 81
24) Nitrobenzene	7.381	77	1968	2.765	ng	# 30
25) Isophorone	7.381	82	603580	31.060	ng	# 64
48) 2-Nitroaniline	9.298	65	313	4.278	ng	# 4
51) 2,6-Dinitrotoluene	9.857	165	40635	13.444	ng	# 21
57) 2,4-Dinitrotoluene	9.857	165	40635	12.606	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.645	198	531	7.278	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	17030	2.879	ng	# 1
77) Benzidine	12.951	184	14933	2.790	ng	# 92
80) Butylbenzylphthalate	13.433	149	1018	3.933	ng	# 62
92) Benzo(g,h,i)perylene	17.439	276	1736	3.849	ng	# 70

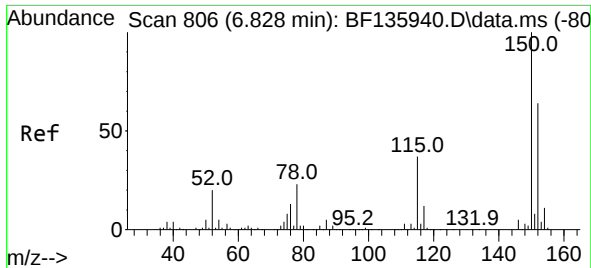
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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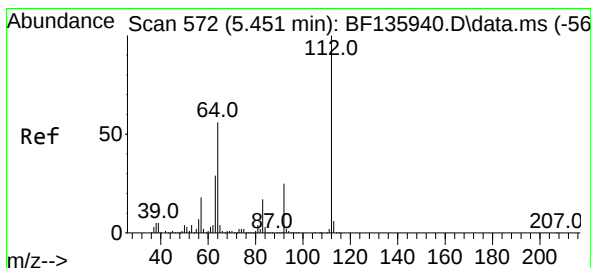
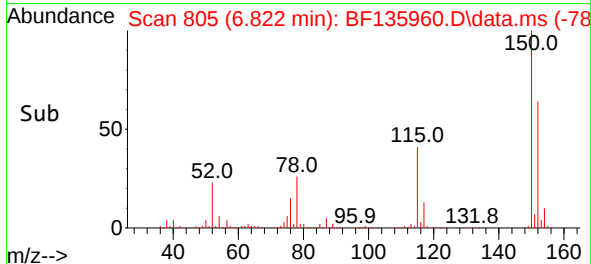
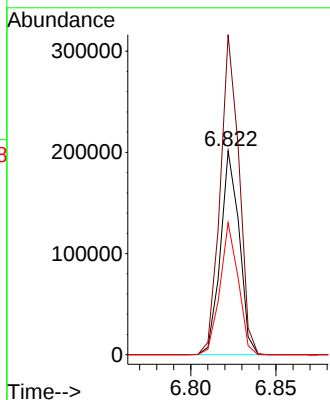
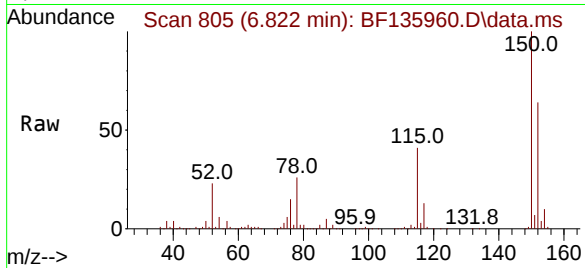




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

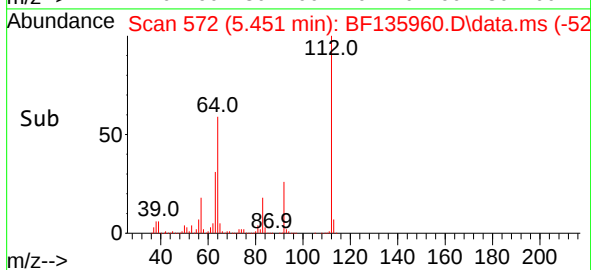
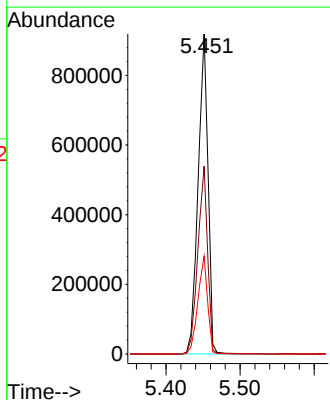
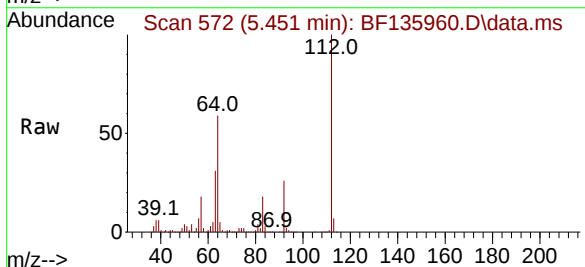
Instrument :
BNA_F
ClientSampleId :
WASTE

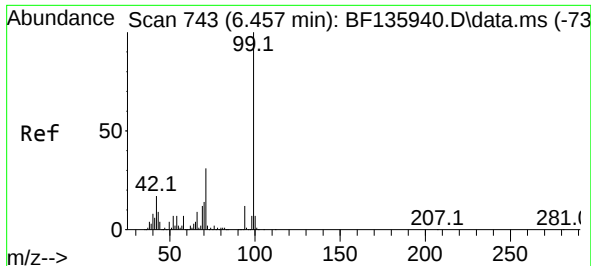
Tgt Ion:152 Resp: 154021
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 64.8 46.6 69.8



#5
2-Fluorophenol
Concen: 85.206 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion:112 Resp: 849873
Ion Ratio Lower Upper
112 100
64 58.7 45.1 67.7
63 30.6 23.0 34.4

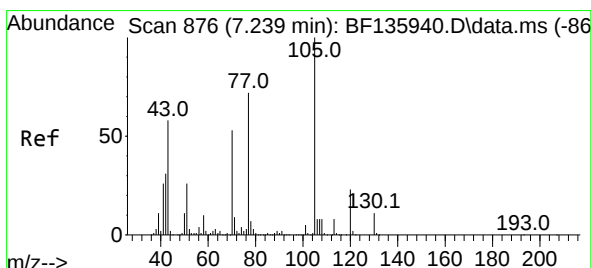
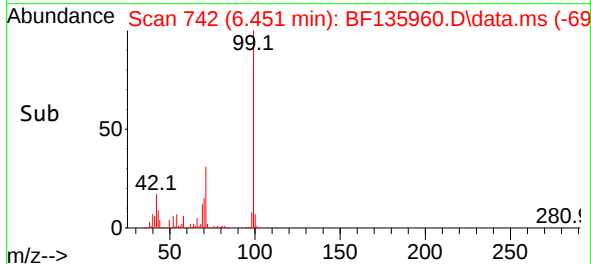
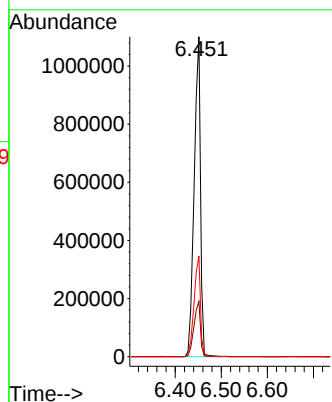
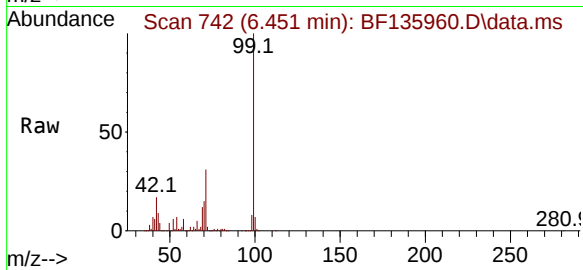




#7
Phenol-d6
Concen: 83.982 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

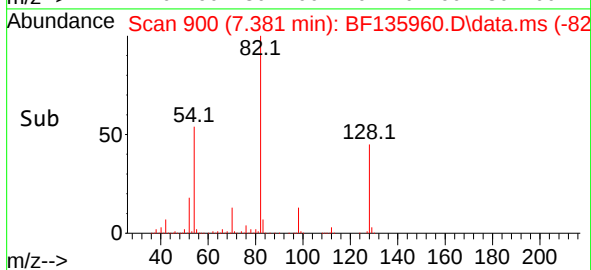
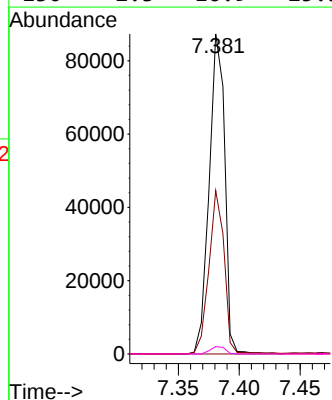
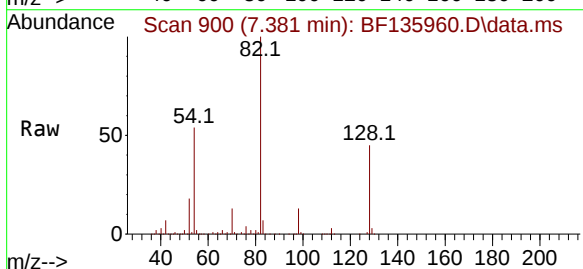
Instrument :
BNA_F
ClientSampleId :
WASTE

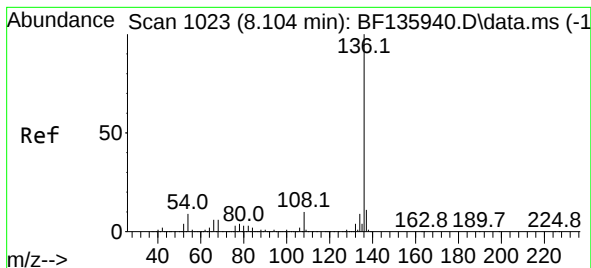
Tgt Ion: 99 Resp: 1042860
Ion Ratio Lower Upper
99 100
42 17.2 13.8 20.8
71 31.5 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.964 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion: 70 Resp: 77423
Ion Ratio Lower Upper
70 100
42 51.0 47.3 70.9
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:136 Resp: 614772

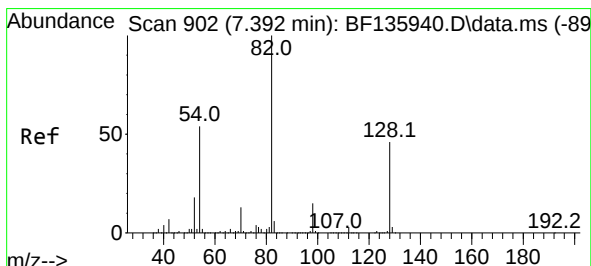
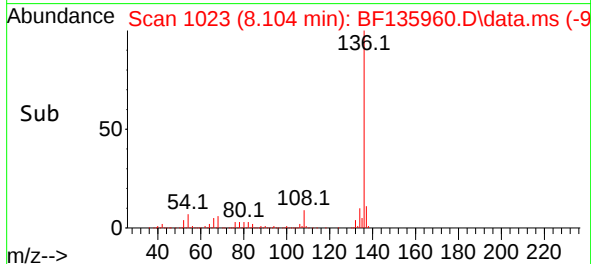
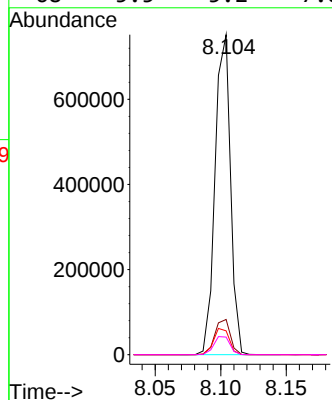
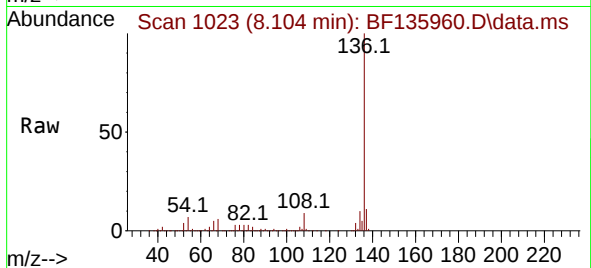
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.5 7.1 10.7

68 5.5 5.2 7.8



#23

Nitrobenzene-d5

Concen: 65.890 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.011 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

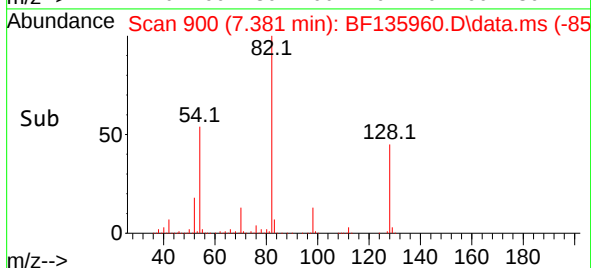
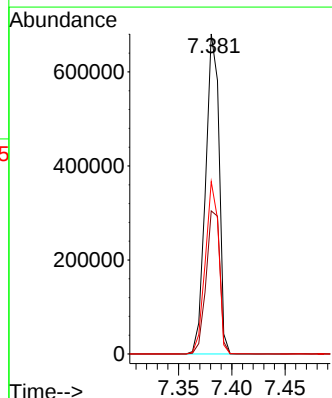
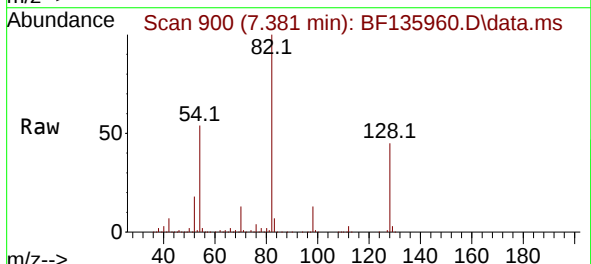
Tgt Ion: 82 Resp: 603594

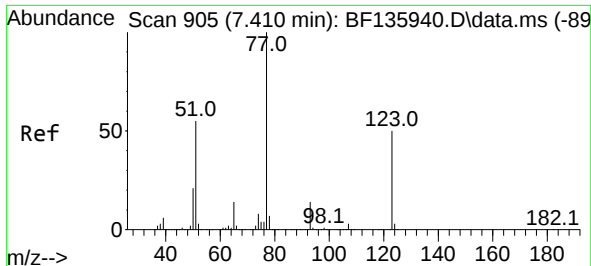
Ion Ratio Lower Upper

82 100

128 44.7 36.8 55.2

54 53.9 43.4 65.0

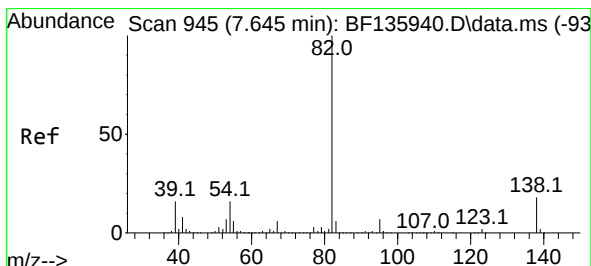
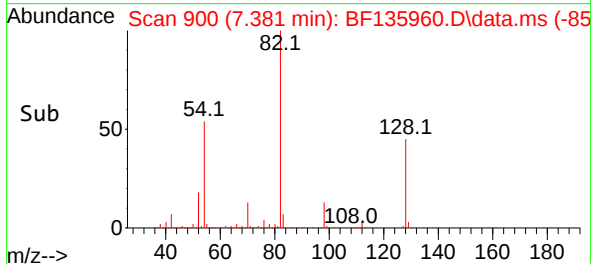
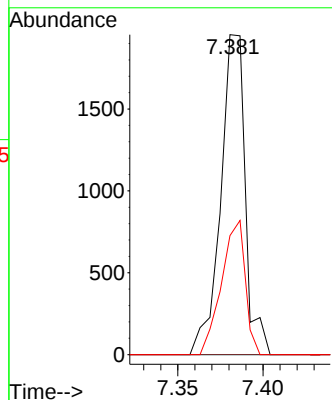
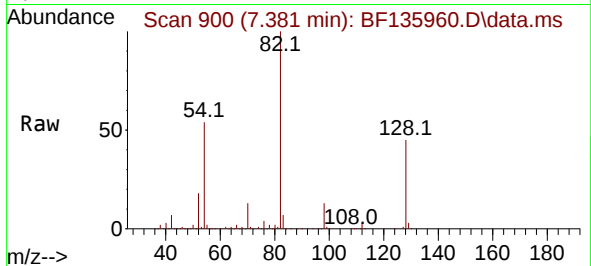




#24
Nitrobenzene
Concen: 2.765 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.029 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

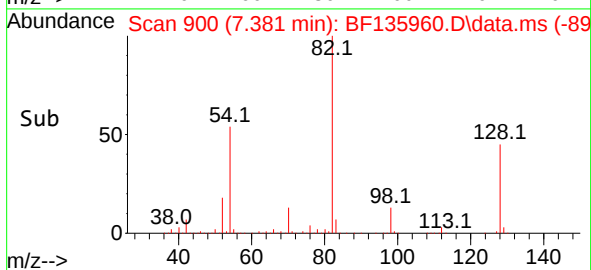
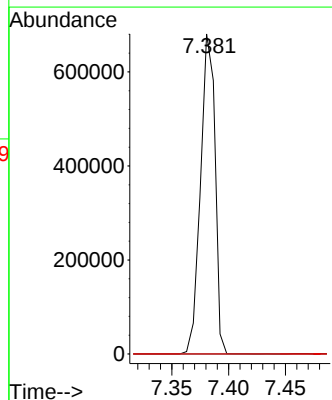
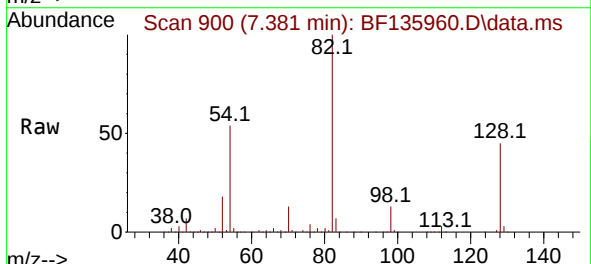
Instrument :
BNA_F
ClientSampleId :
WASTE

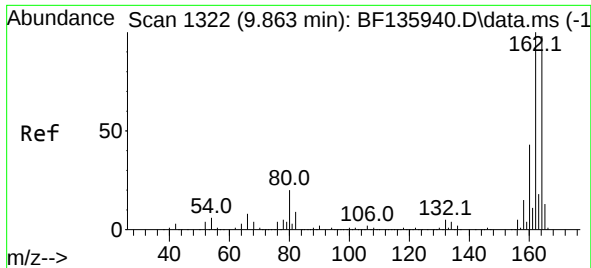
Tgt Ion: 77 Resp: 1968
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 37.2 11.0 16.4#



#25
Isophorone
Concen: 31.060 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion: 82 Resp: 603580
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

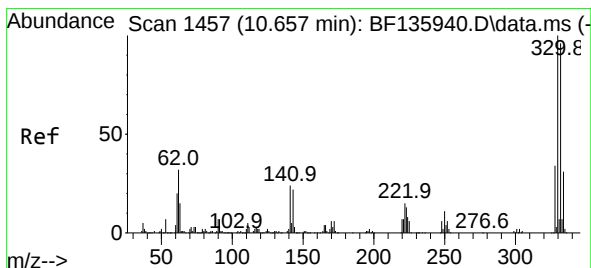
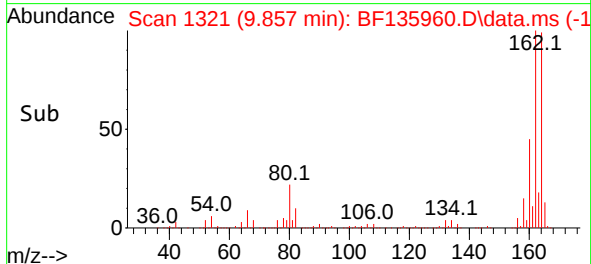
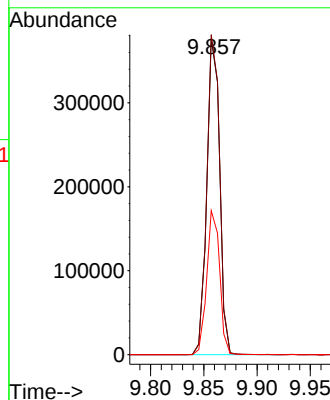
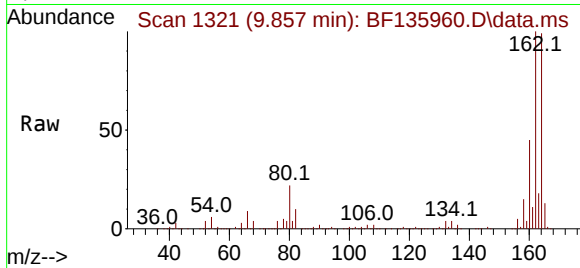




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

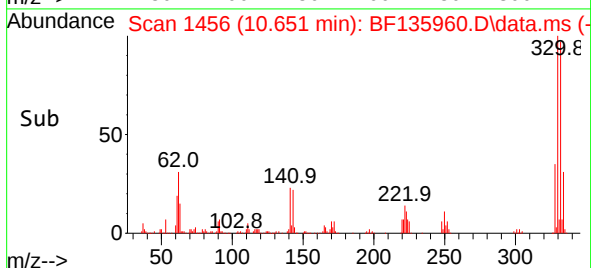
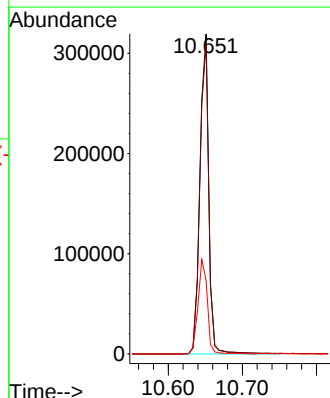
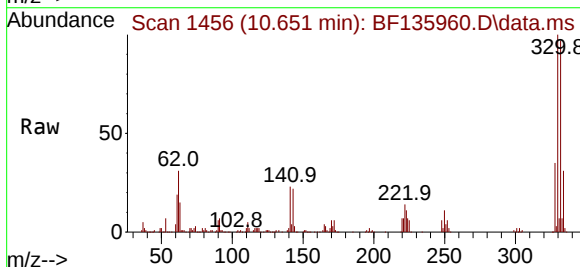
Instrument :
BNA_F
ClientSampleId :
WASTE

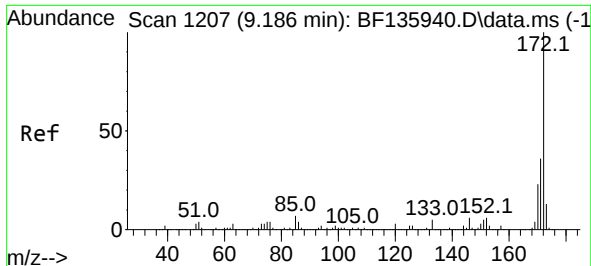
Tgt Ion:164 Resp: 316516
Ion Ratio Lower Upper
164 100
162 101.3 82.0 123.0
160 45.6 35.6 53.4



#42
2,4,6-Tribromophenol
Concen: 95.776 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion:330 Resp: 265344
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.2
141 30.8 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 62.322 ng

RT: 9.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WASTE

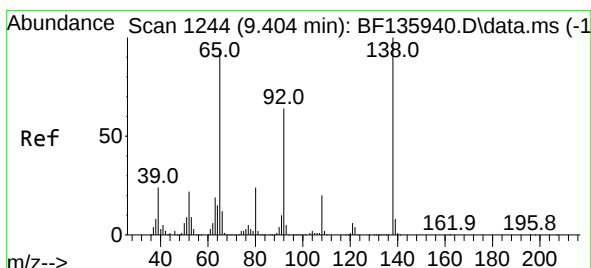
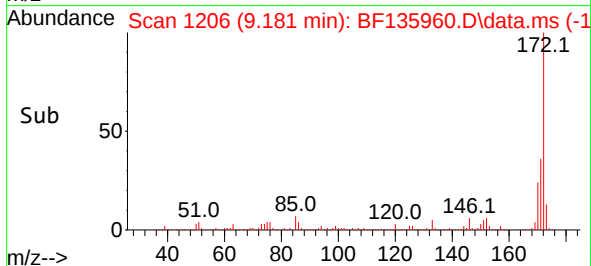
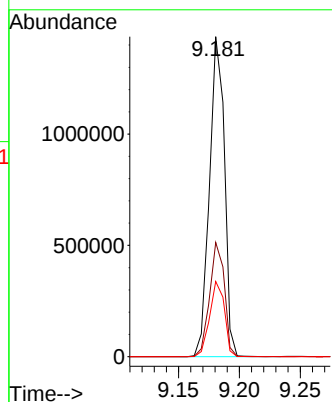
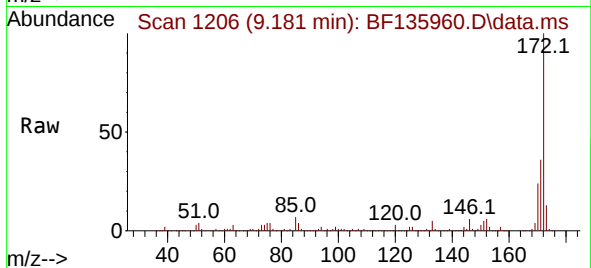
Tgt Ion:172 Resp: 1231913

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.5 18.6 28.0



#48

2-Nitroaniline

Concen: 4.278 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.106 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

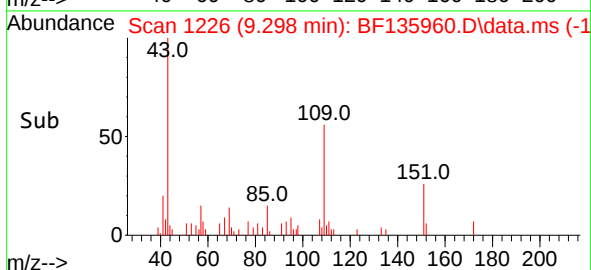
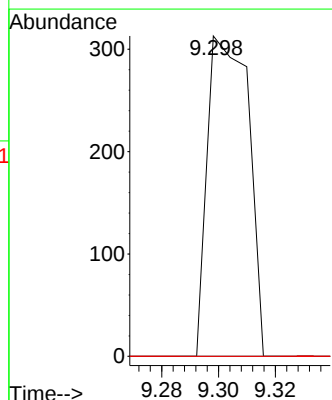
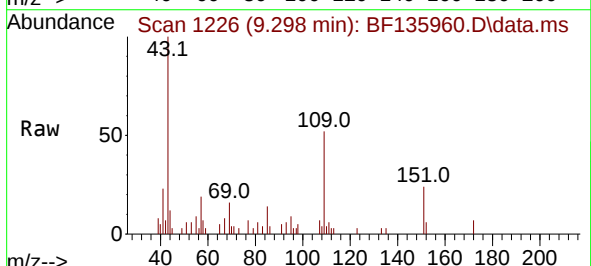
Tgt Ion: 65 Resp: 313

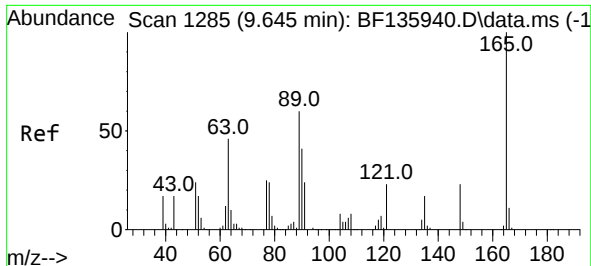
Ion Ratio Lower Upper

65 100

92 0.0 54.9 82.3#

138 0.0 85.2 127.8#

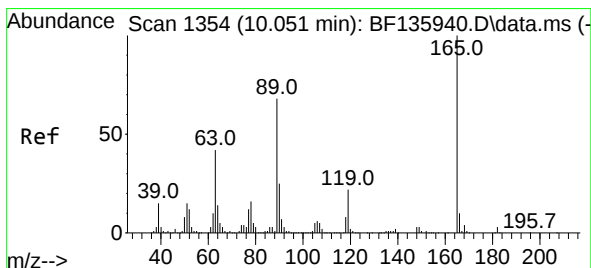
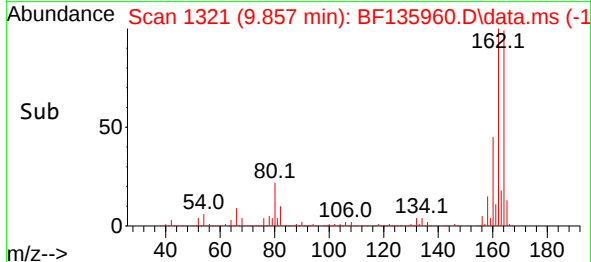
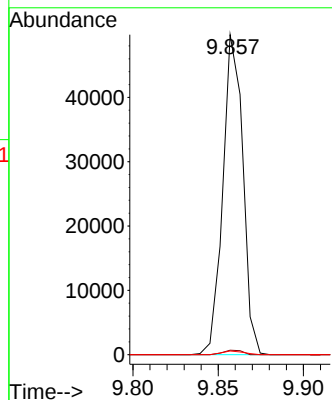
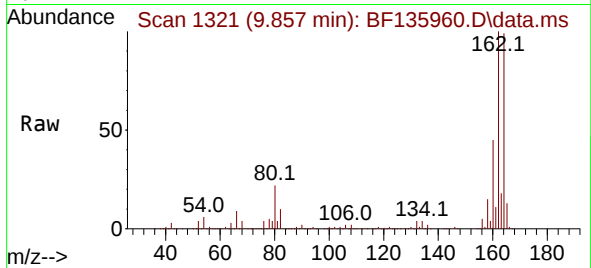




#51
2,6-Dinitrotoluene
Concen: 13.444 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

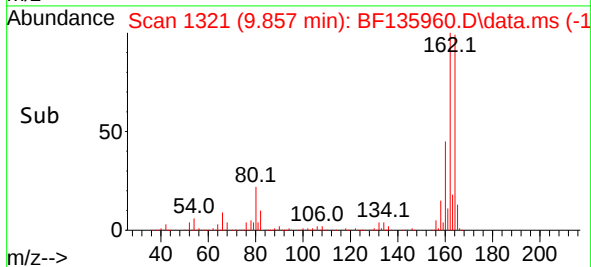
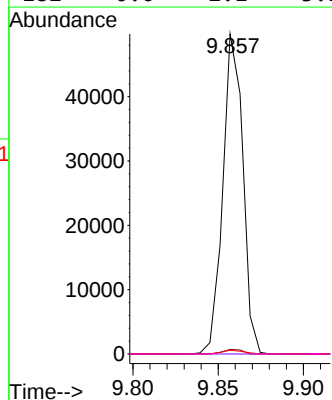
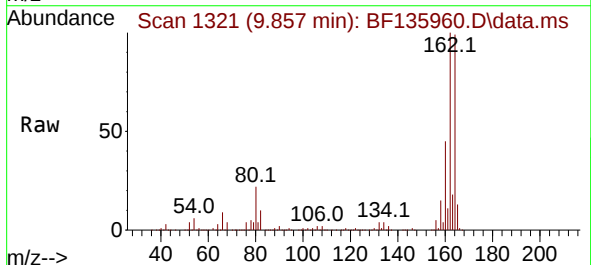
Instrument :
BNA_F
ClientSampleId :
WASTE

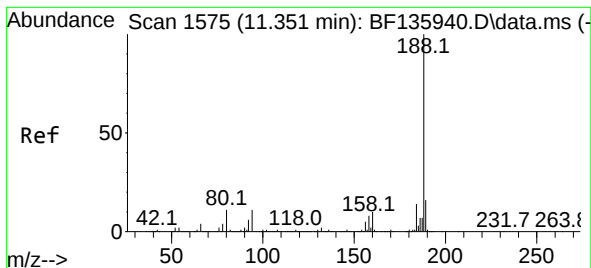
Tgt Ion:165 Resp: 40635
Ion Ratio Lower Upper
165 100
63 1.4 51.7 77.5#
89 1.1 48.3 72.5#



#57
2,4-Dinitrotoluene
Concen: 12.606 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion:165 Resp: 40635
Ion Ratio Lower Upper
165 100
63 1.4 33.7 50.5#
89 1.1 54.6 81.8#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WASTE

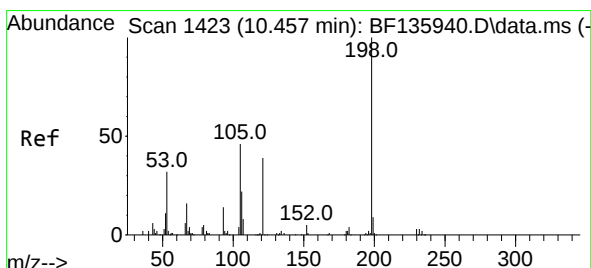
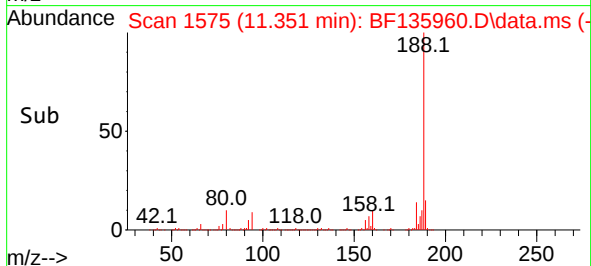
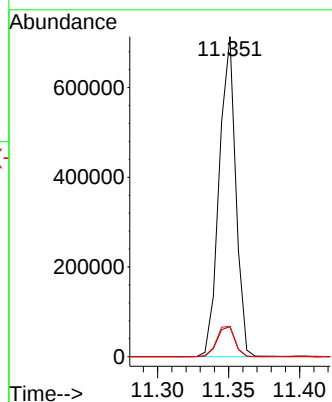
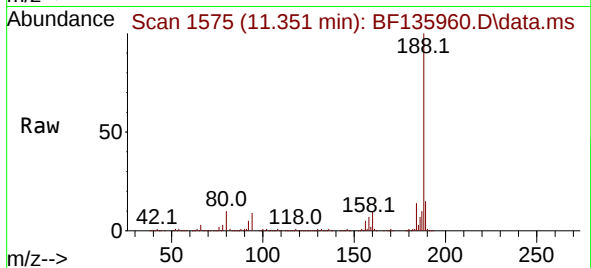
Tgt Ion:188 Resp: 577682

Ion Ratio Lower Upper

188 100

94 9.4 8.6 13.0

80 9.5 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 7.278 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

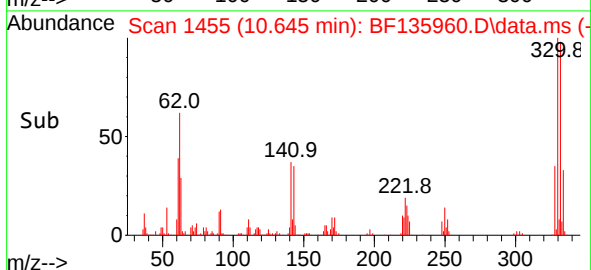
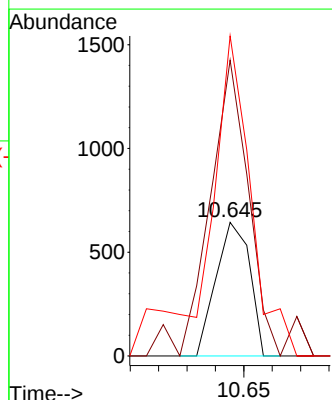
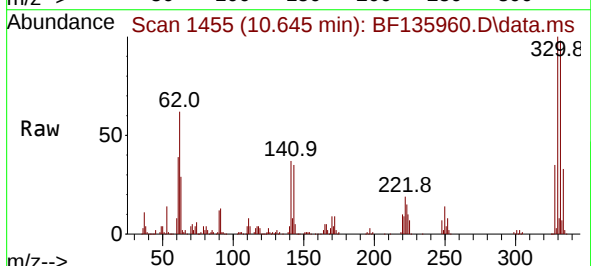
Tgt Ion:198 Resp: 531

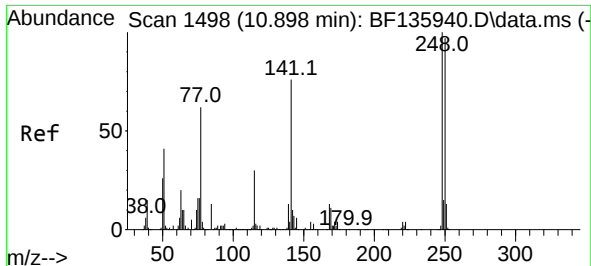
Ion Ratio Lower Upper

198 100

51 221.4 28.7 68.7#

105 239.4 27.2 67.2#

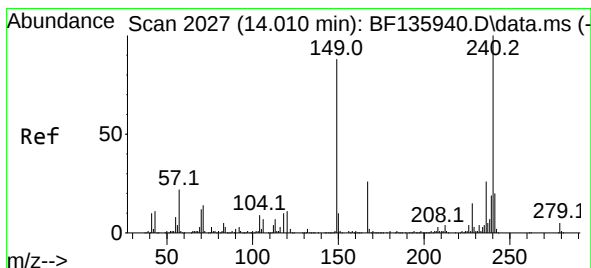
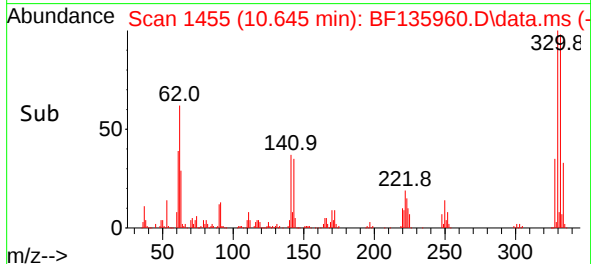
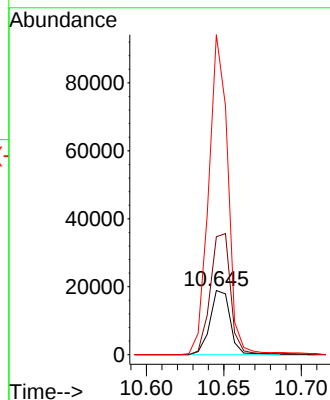
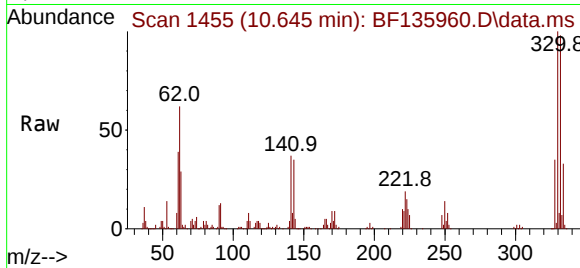




#67
4-Bromophenyl-phenylether
Concen: 2.879 ng
RT: 10.645 min Scan# 1498
Delta R.T. -0.253 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

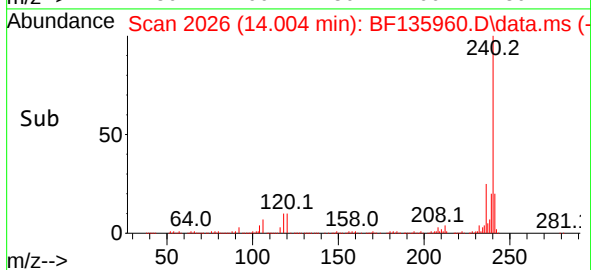
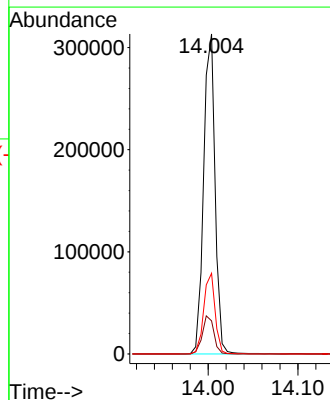
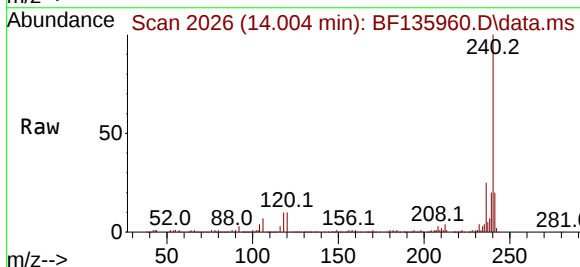
Instrument :
BNA_F
ClientSampleId :
WASTE

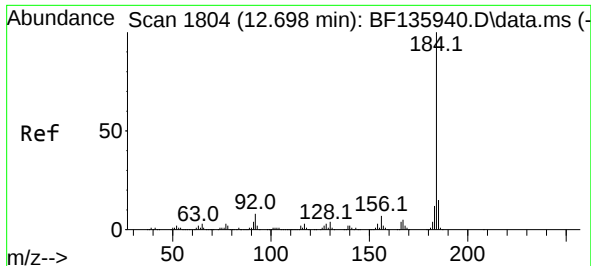
Tgt Ion:248 Resp: 17030
Ion Ratio Lower Upper
248 100
250 183.7 77.9 116.9#
141 498.9 60.8 91.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion:240 Resp: 277552
Ion Ratio Lower Upper
240 100
120 10.3 8.6 13.0
236 25.2 20.6 30.8

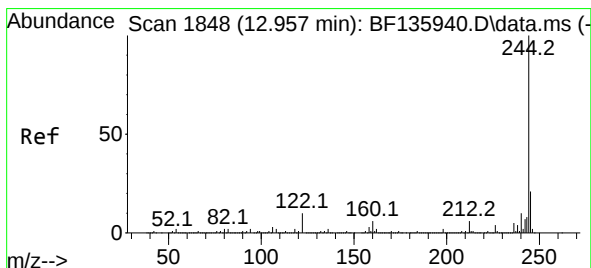
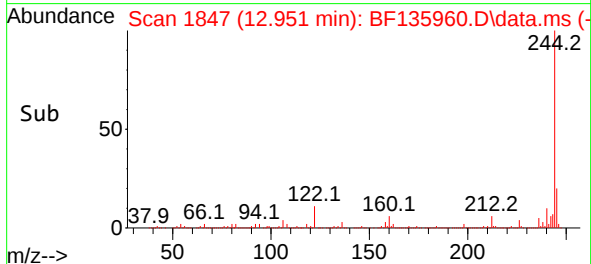
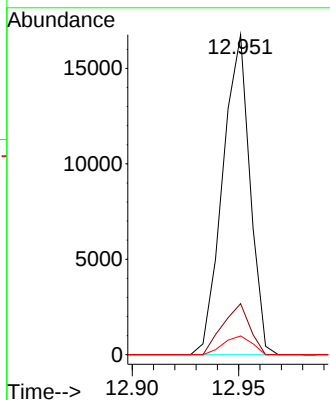
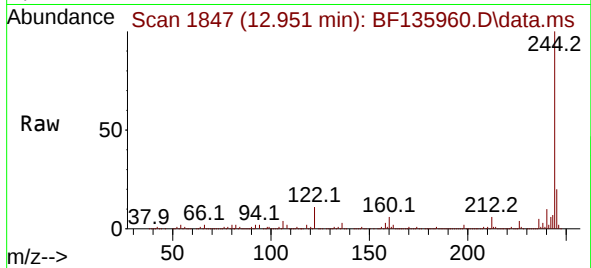




#77
Benzidine
Concen: 2.790 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

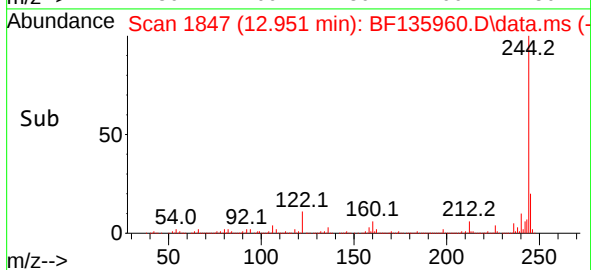
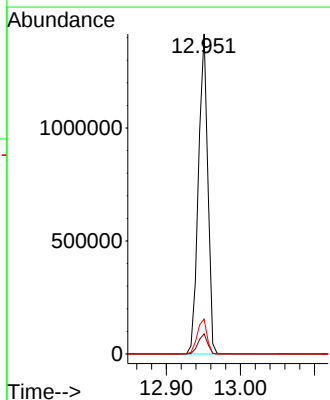
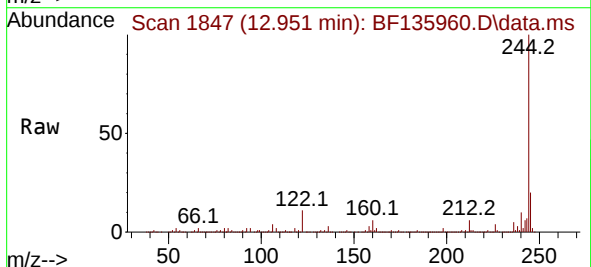
Instrument :
BNA_F
ClientSampleId :
WASTE

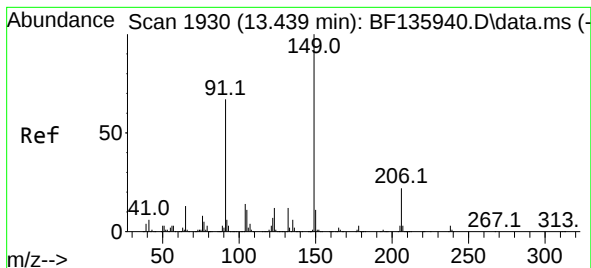
Tgt Ion:184 Resp: 14933
Ion Ratio Lower Upper
184 100
185 16.0 11.7 17.5
183 5.9 9.2 13.8#



#79
Terphenyl-d14
Concen: 74.347 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF135960.D
Acq: 26 Oct 2023 13:29

Tgt Ion:244 Resp: 1235060
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.6
122 10.9 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.933 ng

RT: 13.433 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WASTE

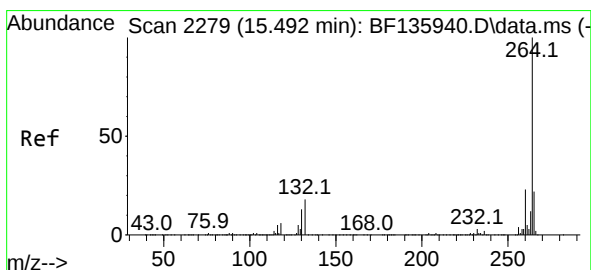
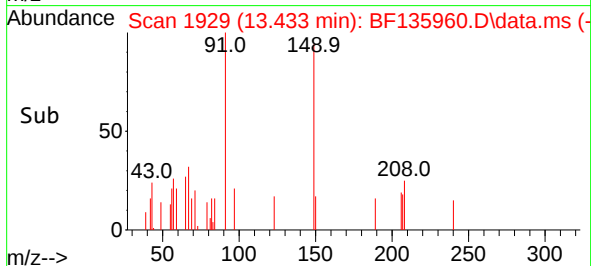
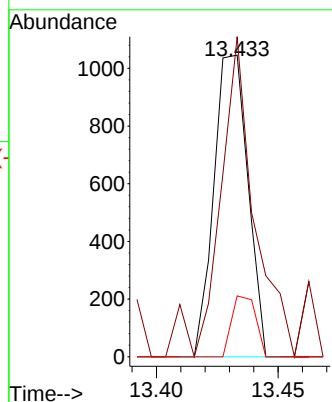
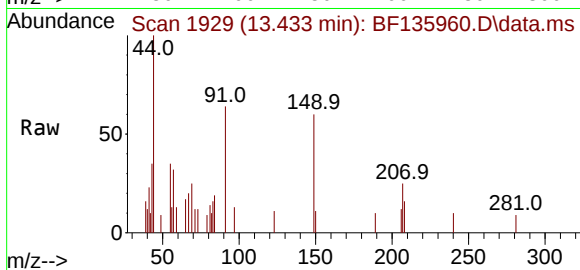
Tgt Ion:149 Resp: 1018

Ion Ratio Lower Upper

149 100

91 106.1 53.4 80.0#

206 20.2 17.5 26.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF135960.D

Acq: 26 Oct 2023 13:29

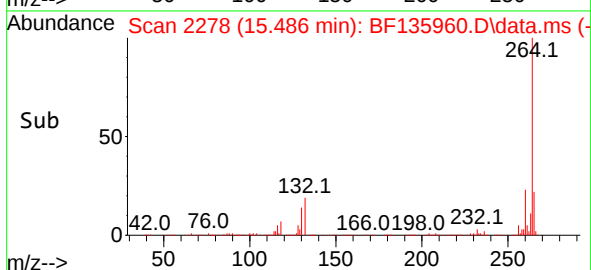
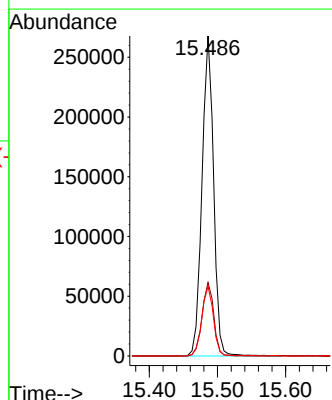
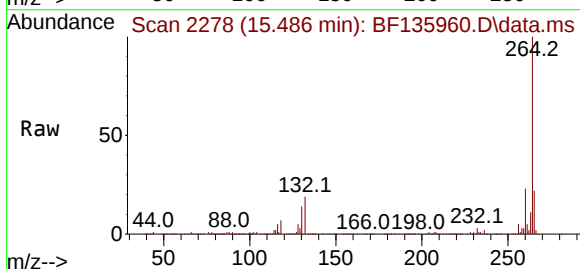
Tgt Ion:264 Resp: 316404

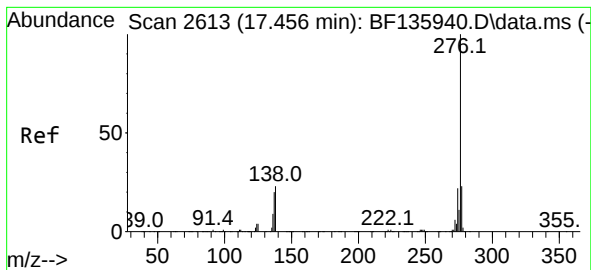
Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.8 17.3 25.9





#92

Benzo(g,h,i)perylene

Concen: 3.849 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF135960.D

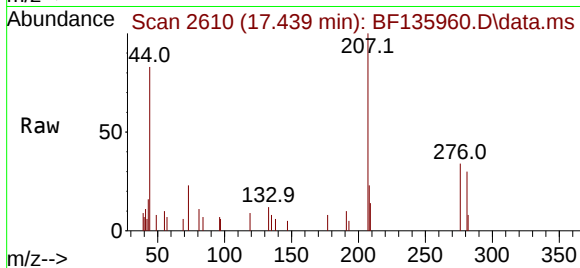
Acq: 26 Oct 2023 13:29

Instrument :

BNA_F

ClientSampleId :

WASTE



Tgt Ion:276 Resp: 1736

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 17.6 18.4 27.6#

