

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134102.D
 Acq On : 06 Jul 2023 17:37
 Operator : CG\JU
 Sample : PB153945BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB153945BL

Quant Time: Jul 07 01:30:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

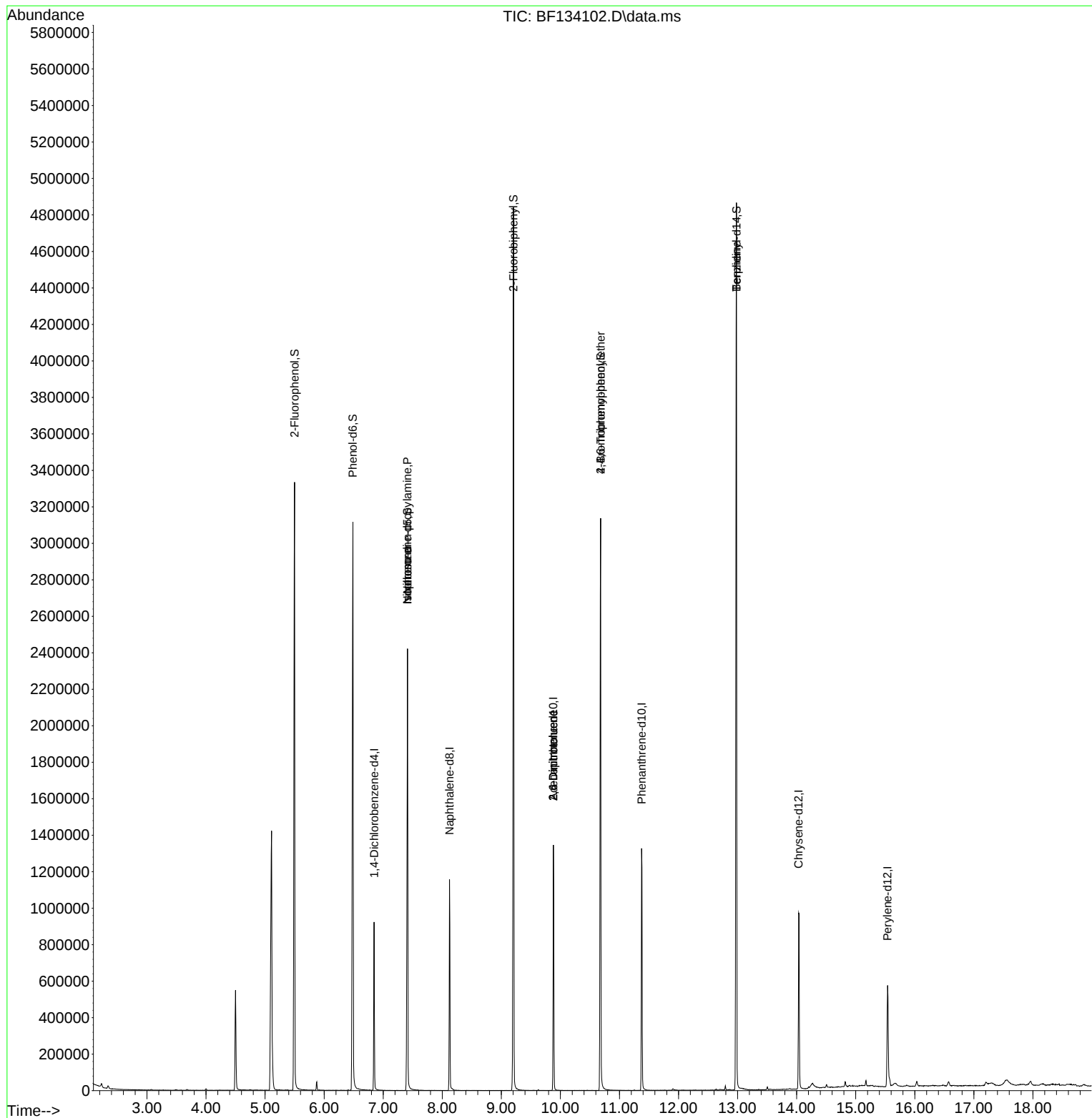
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	124217	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	493017	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	261538	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	526407	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	367030	20.000	ng	-0.02
86) Perylene-d12	15.539	264	296066	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	927329	124.879	ng	0.01
7) Phenol-d6	6.487	99	1109539	121.496	ng	0.00
23) Nitrobenzene-d5	7.410	82	779128	85.188	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	407533	124.280	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1464876	81.433	ng	0.00
79) Terphenyl-d14	12.980	244	1846082	80.950	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	845	Below Cal	#	86
19) n-Nitroso-di-n-propyla...	7.410	70	111758	19.297	ng	# 75
25) Isophorone	7.410	82	779124	46.873	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	33284	8.140	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	33284	6.164	ng	# 22
67) 4-Bromophenyl-phenylether	10.681	248	24922	4.454	ng	# 1
77) Benzydine	12.980	184	24640	2.821	ng	# 89

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

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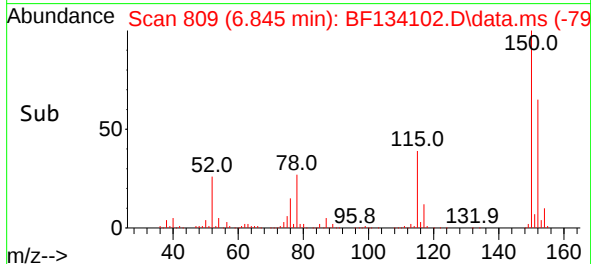
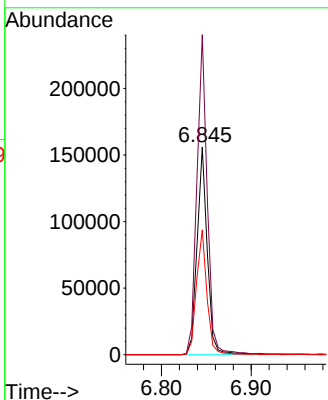
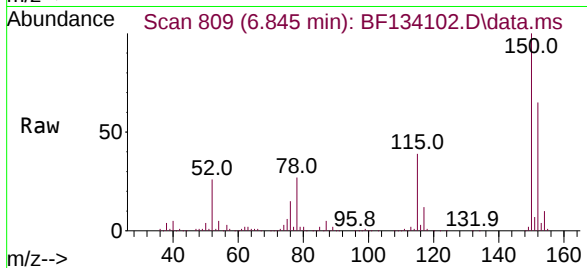




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

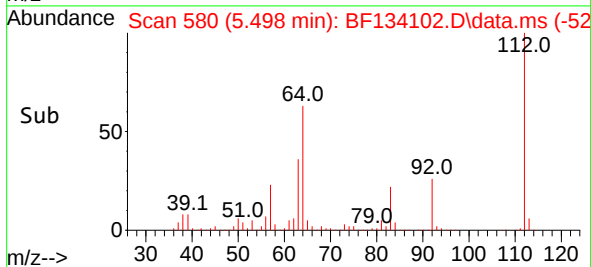
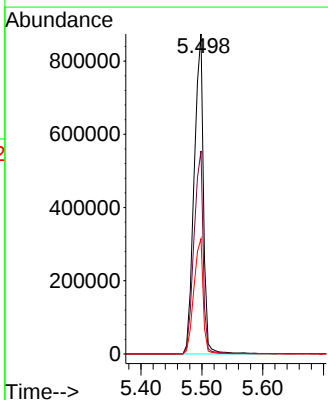
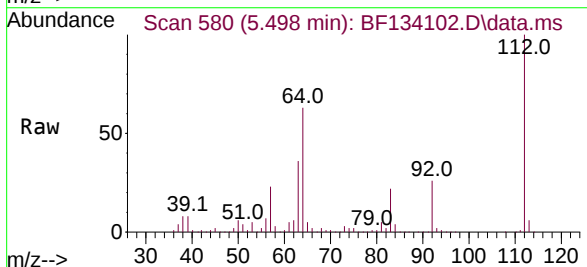
Instrument :
BNA_F
ClientSampleId :
PB153945BL

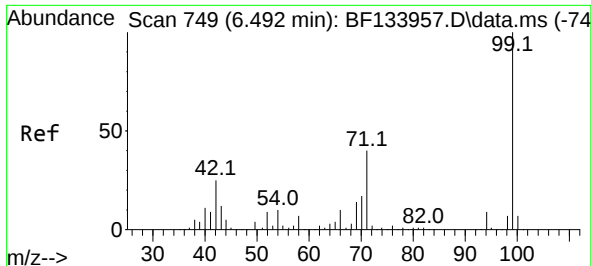
Tgt Ion:152 Resp: 124217
Ion Ratio Lower Upper
152 100
150 154.0 124.5 186.7
115 60.1 50.2 75.2



#5
2-Fluorophenol
Concen: 124.879 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

Tgt Ion:112 Resp: 927329
Ion Ratio Lower Upper
112 100
64 63.5 52.1 78.1
63 36.0 28.6 42.8





#7

Phenol-d6

Concen: 121.496 ng

RT: 6.487 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

Instrument :

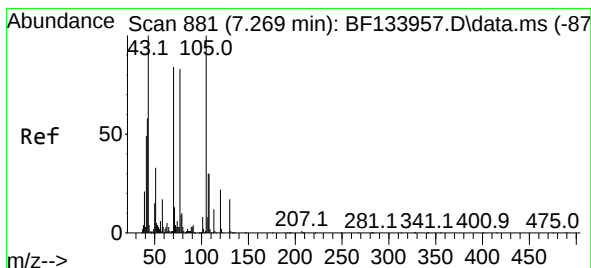
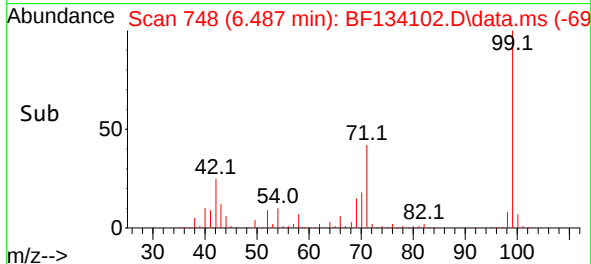
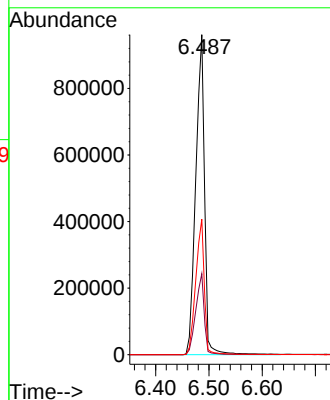
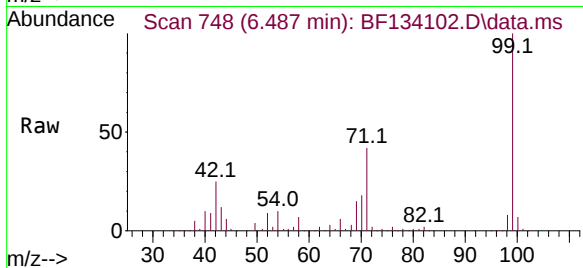
BNA_F

ClientSampleId :

PB153945BL

Tgt Ion: 99 Resp: 1109539

Ion	Ratio	Lower	Upper
99	100		
42	25.3	19.8	29.6
71	42.4	31.9	47.9



#19

n-Nitroso-di-n-propylamine

Concen: 19.297 ng

RT: 7.410 min Scan# 905

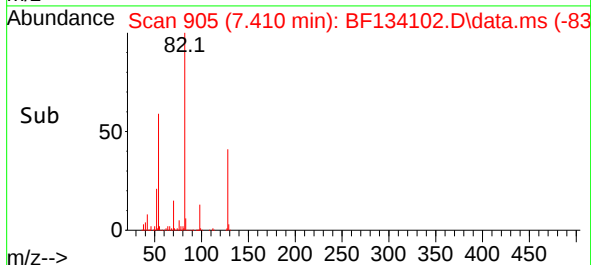
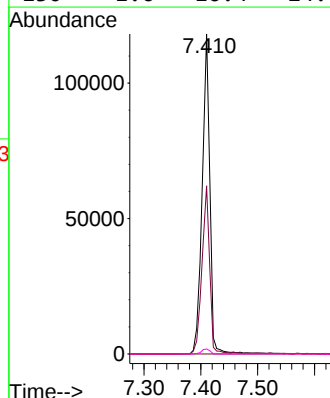
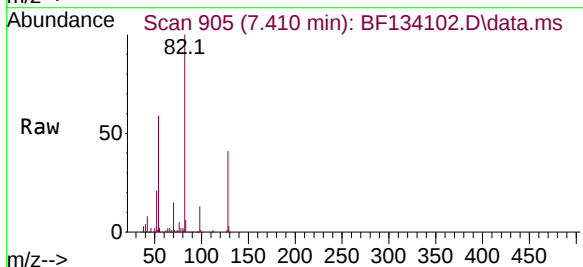
Delta R.T. 0.141 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

Tgt Ion: 70 Resp: 111758

Ion	Ratio	Lower	Upper
70	100		
42	52.6	54.7	82.1#
101	0.0	7.7	11.5#
130	1.6	16.4	24.6#

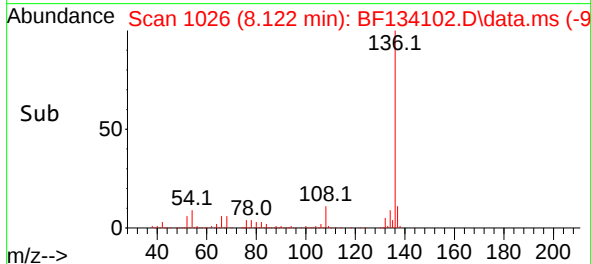
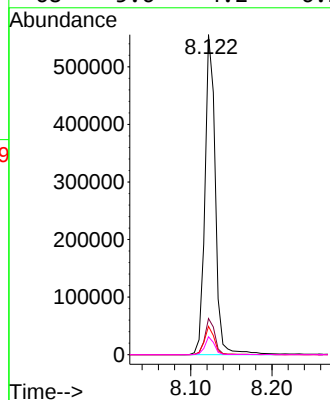
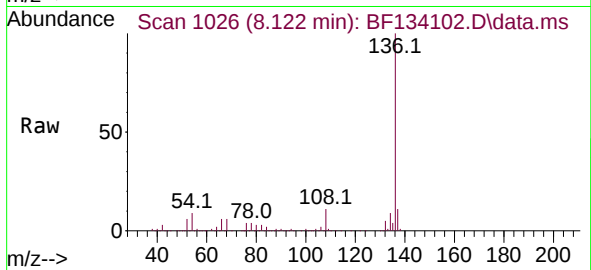




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

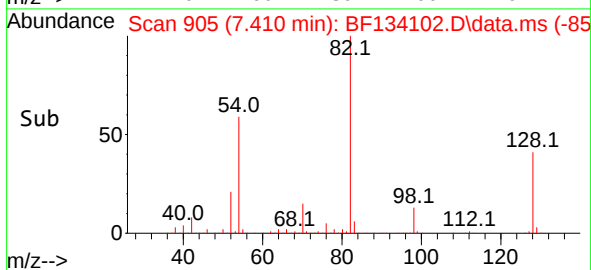
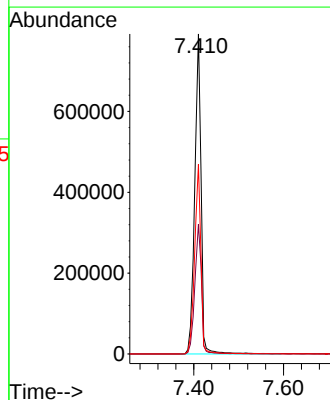
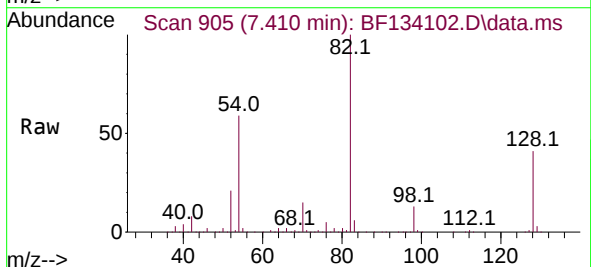
Instrument :
BNA_F
ClientSampleId :
PB153945BL

Tgt Ion:136 Resp: 493017
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 8.9 6.5 9.7
68 5.6 4.2 6.2



#23
Nitrobenzene-d5
Concen: 85.188 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

Tgt Ion: 82 Resp: 779128
Ion Ratio Lower Upper
82 100
128 40.6 32.5 48.7
54 59.3 48.2 72.2

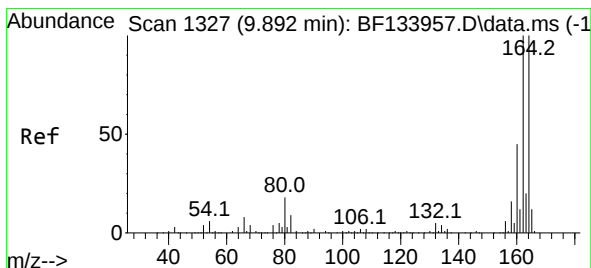
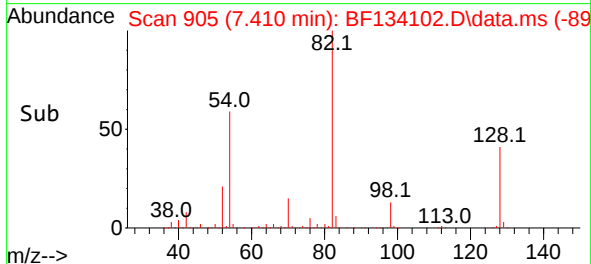
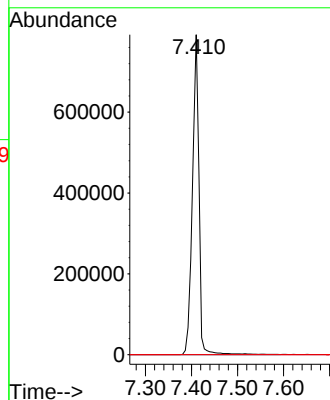
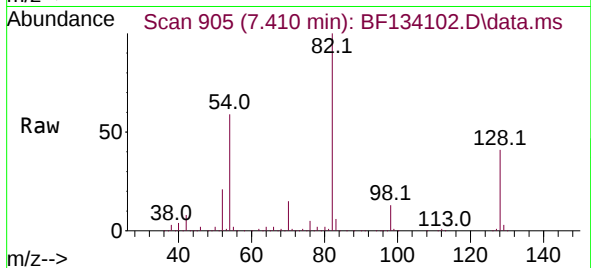




#25
Isophorone
Concen: 46.873 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

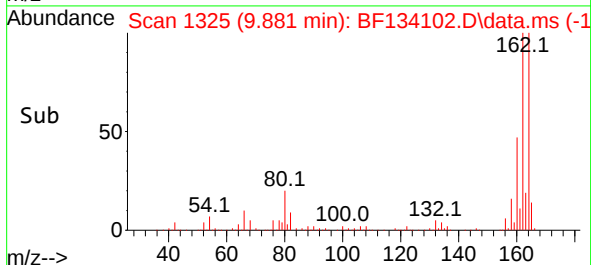
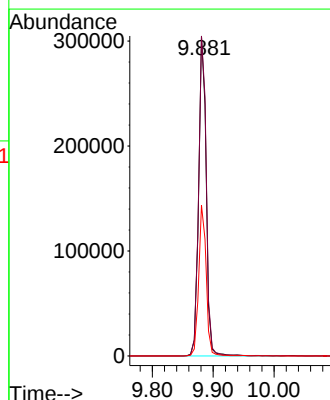
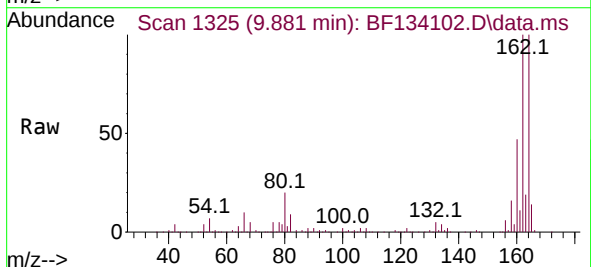
Instrument :
BNA_F
ClientSampleId :
PB153945BL

Tgt Ion: 82 Resp: 779124
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

Tgt Ion:164 Resp: 261538
Ion Ratio Lower Upper
164 100
162 99.9 80.0 120.0
160 47.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 124.280 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134102.D

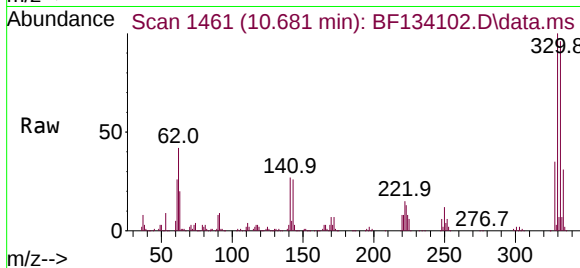
Acq: 06 Jul 2023 17:37

Instrument :

BNA_F

ClientSampleId :

PB153945BL



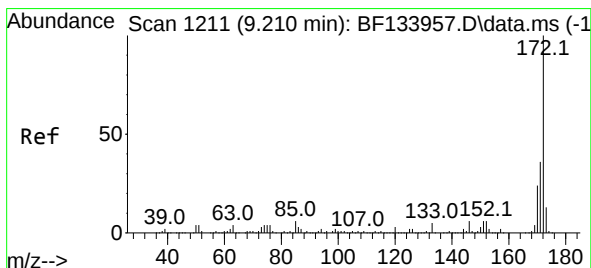
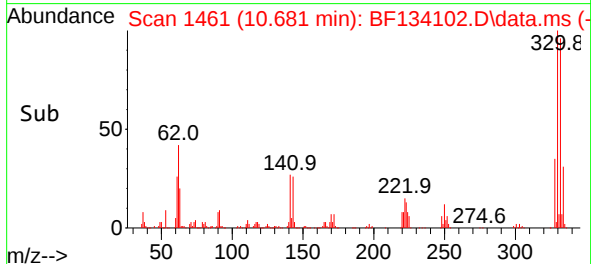
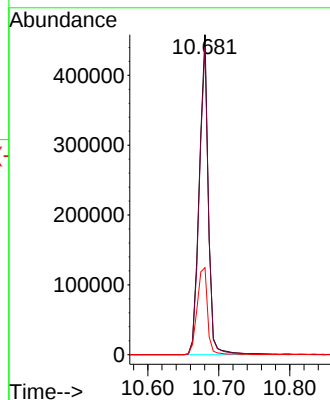
Tgt Ion:330 Resp: 407533

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 31.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 81.433 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

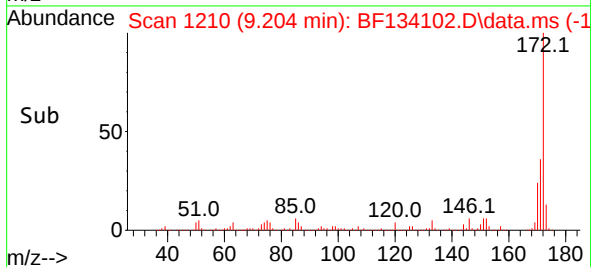
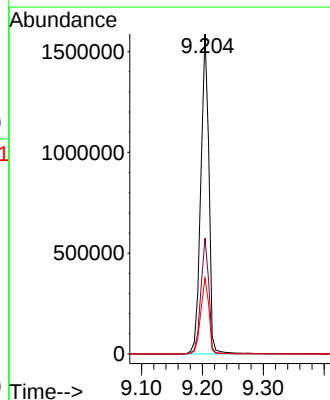
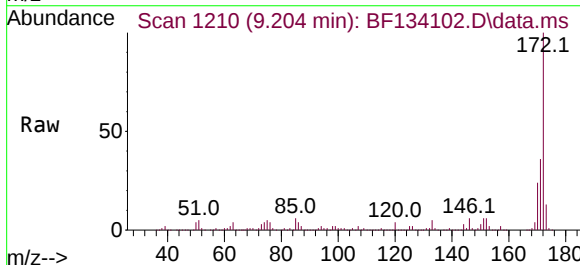
Tgt Ion:172 Resp: 1464876

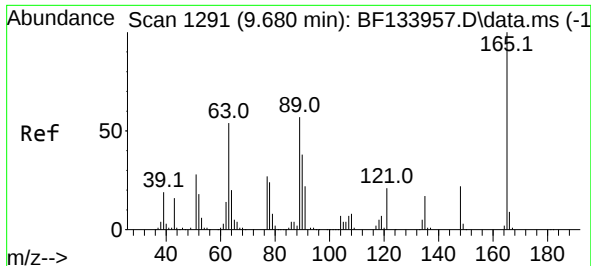
Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 23.7 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.140 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

Instrument :

BNA_F

ClientSampleId :

PB153945BL

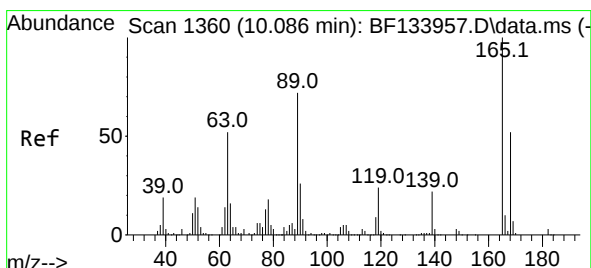
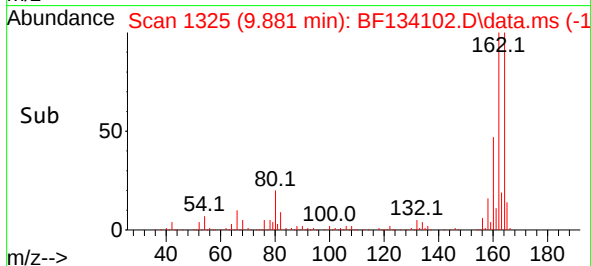
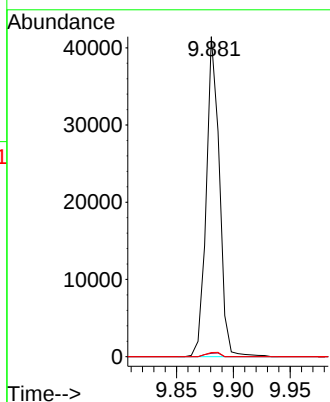
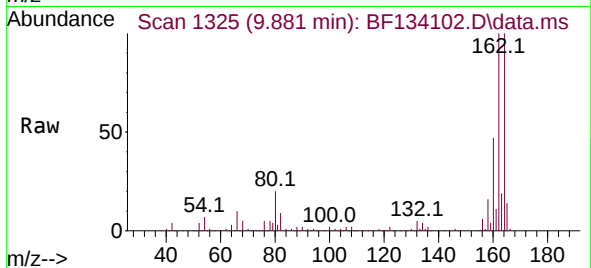
Tgt Ion:165 Resp: 33284

Ion Ratio Lower Upper

165 100

63 1.0 48.5 72.7#

89 1.3 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.164 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

Tgt Ion:165 Resp: 33284

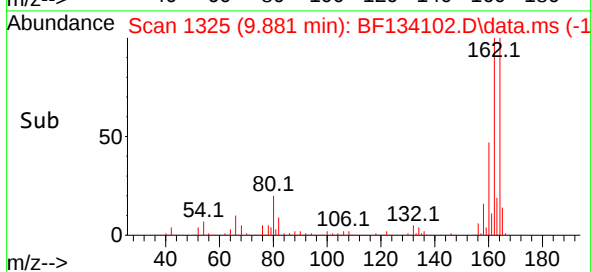
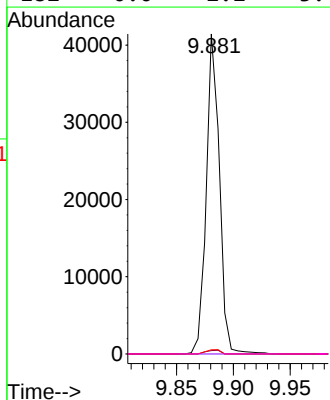
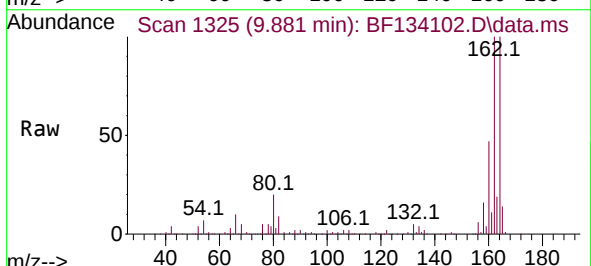
Ion Ratio Lower Upper

165 100

63 1.0 42.2 63.2#

89 1.3 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

Instrument :

BNA_F

ClientSampleId :

PB153945BL

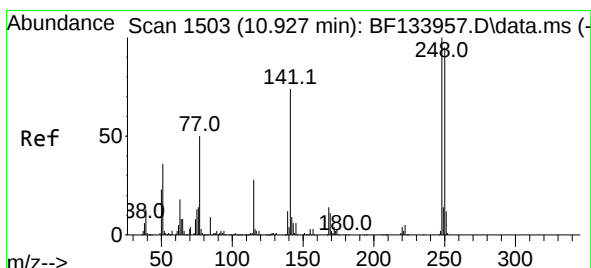
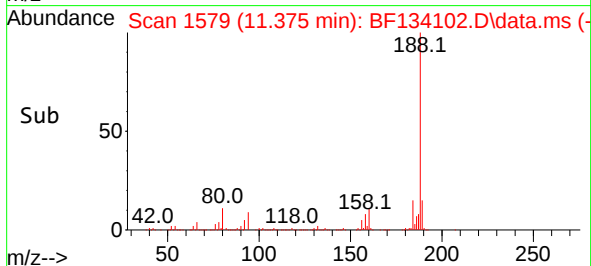
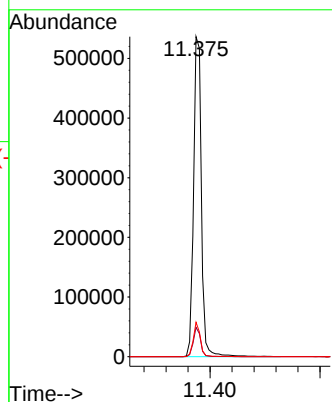
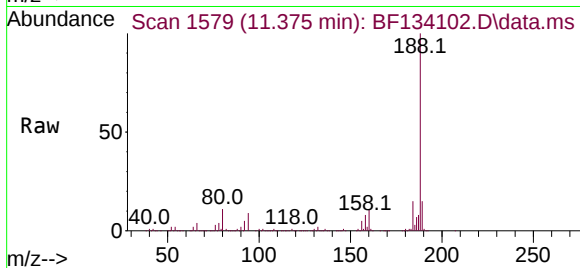
Tgt Ion:188 Resp: 526407

Ion Ratio Lower Upper

188 100

94 9.2 6.4 9.6

80 10.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.454 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134102.D

Acq: 06 Jul 2023 17:37

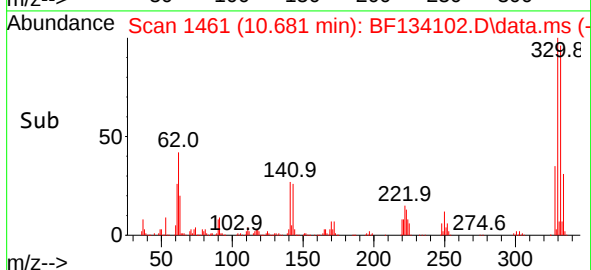
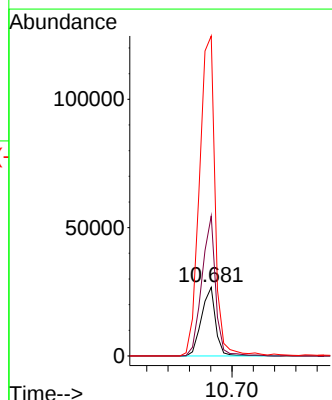
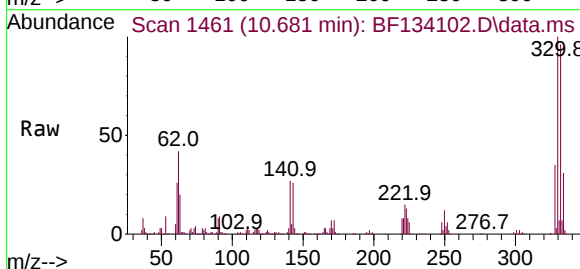
Tgt Ion:248 Resp: 24922

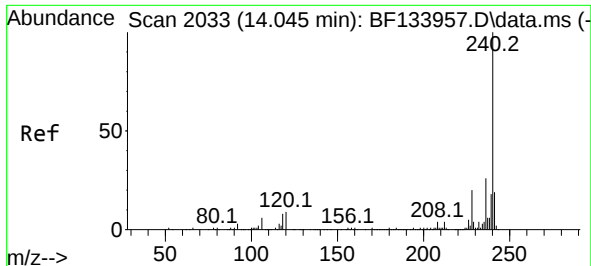
Ion Ratio Lower Upper

248 100

250 203.8 76.2 114.4#

141 465.9 59.0 88.4#

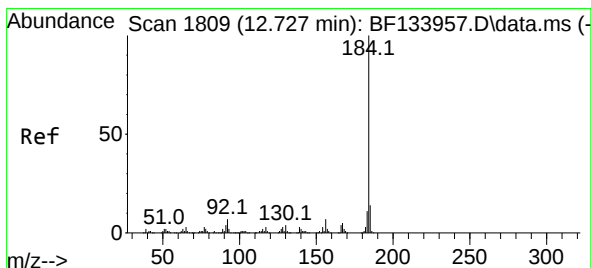
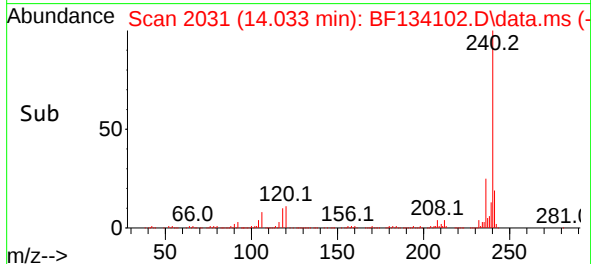
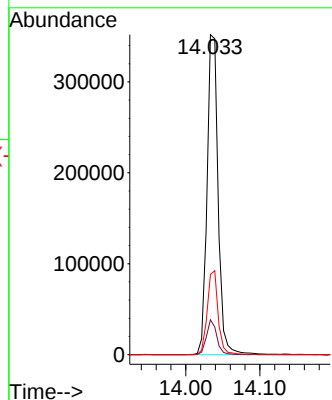
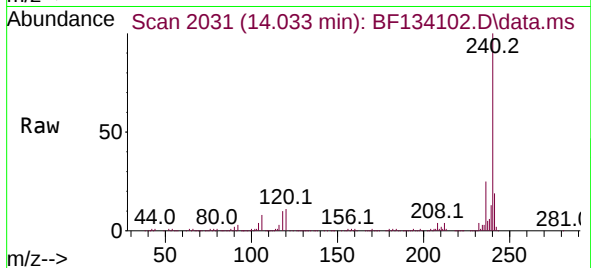




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

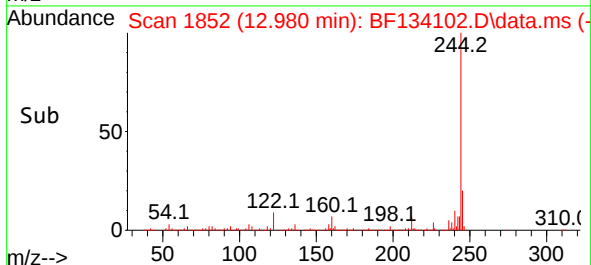
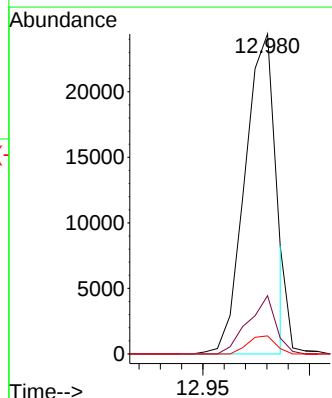
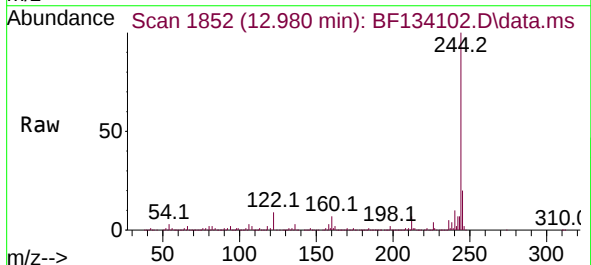
Instrument :
BNA_F
ClientSampleId :
PB153945BL

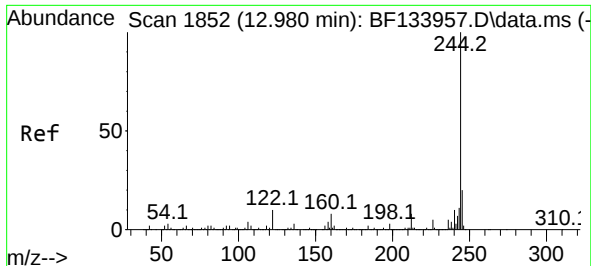
Tgt Ion:240 Resp: 367030
Ion Ratio Lower Upper
240 100
120 10.9 7.4 11.0
236 25.1 21.0 31.6



#77
Benzidine
Concen: 2.821 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF134102.D
Acq: 06 Jul 2023 17:37

Tgt Ion:184 Resp: 24640
Ion Ratio Lower Upper
184 100
185 18.2 11.6 17.4#
183 5.6 8.8 13.2#

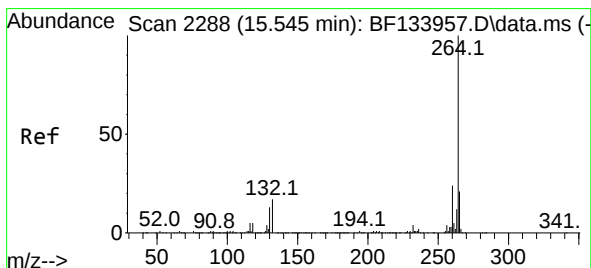
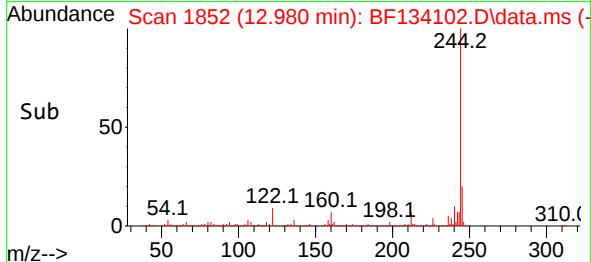
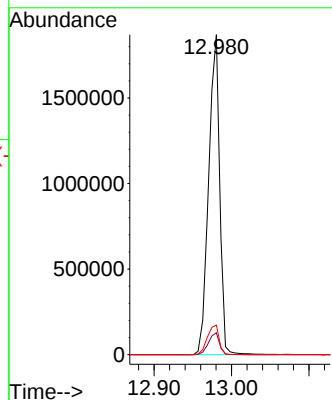
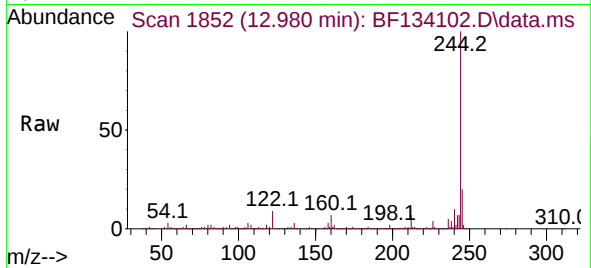




#79
 Terphenyl-d14
 Concen: 80.950 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134102.D
 Acq: 06 Jul 2023 17:37

Instrument :
 BNA_F
 ClientSampleId :
 PB153945BL

Tgt Ion:244 Resp: 1846082
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.3 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: BF134102.D
 Acq: 06 Jul 2023 17:37

Tgt Ion:264 Resp: 296066
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.5 16.6 25.0

