

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133394.D
 Acq On : 15 May 2023 20:57
 Operator : CG\JU
 Sample : 02750-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-2-051123

Quant Time: May 16 03:15:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

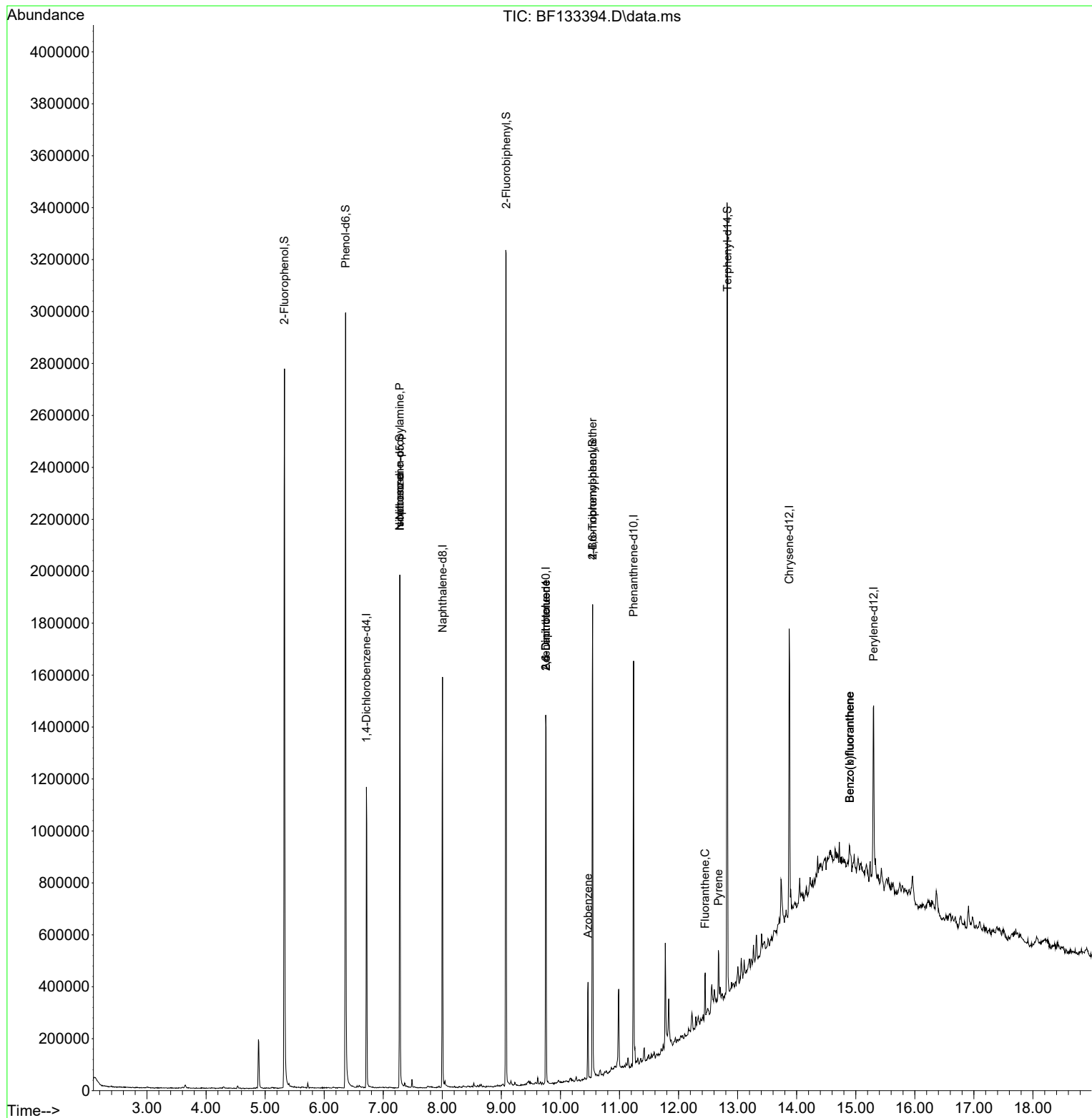
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	172945	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	644917	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	292136	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	523170	20.000	ng	0.00
76) Chrysene-d12	13.874	240	370462	20.000	ng	# 0.00
86) Perylene-d12	15.304	264	296094	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	834145	72.859	ng	0.00
7) Phenol-d6	6.363	99	973278	68.491	ng	0.00
23) Nitrobenzene-d5	7.281	82	556723	46.595	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	211130	71.862	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1004147	57.505	ng	0.00
79) Terphenyl-d14	12.827	244	1127907	52.509	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	489	Below Cal	#	43
19) n-Nitroso-di-n-propyla...	7.281	70	72196	8.161	ng	# 75
25) Isophorone	7.281	82	556628	24.537	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	38377	8.371	ng	# 24
57) 2,4-Dinitrotoluene	9.751	165	38377	6.564	ng	# 23
63) Azobenzene	10.469	77	61101	2.998	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	13372	2.357	ng	# 1
75) Fluoranthene	12.451	202	71968	2.550	ng	96
78) Pyrene	12.674	202	80394	2.532	ng	96
88) Benzo(b)fluoranthene	14.898	252	47474	2.520	ng	# 60
89) Benzo(k)fluoranthene	14.898	252	47474	2.542	ng	# 60

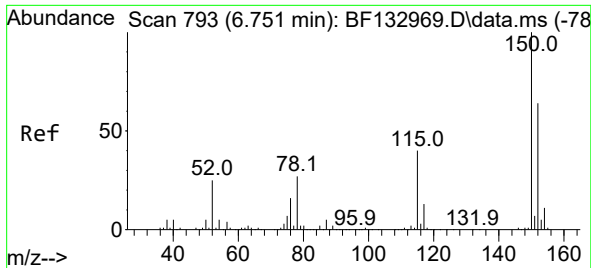
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
Data File : BF133394.D
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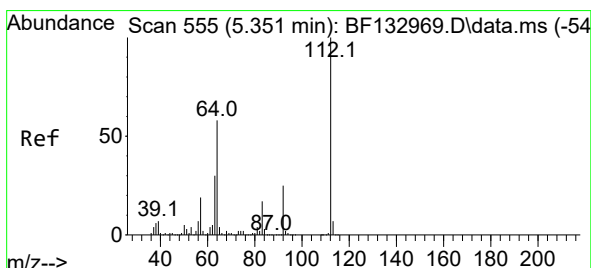
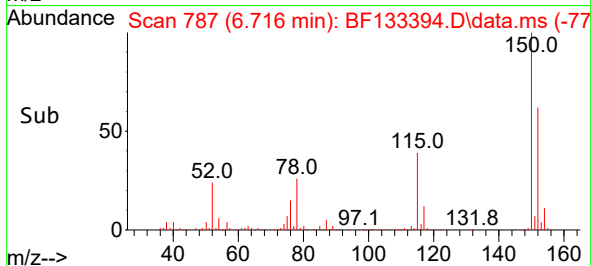
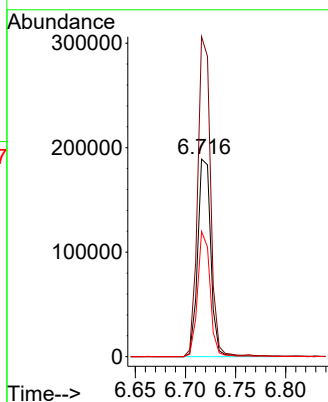
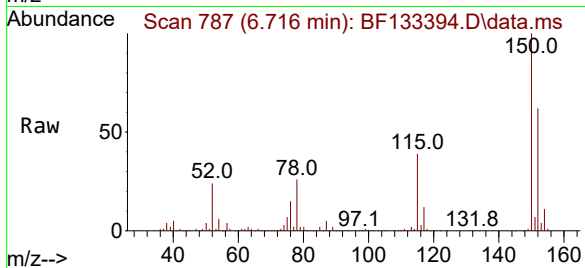




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.716 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133394.D
 Acq: 15 May 2023 20:57

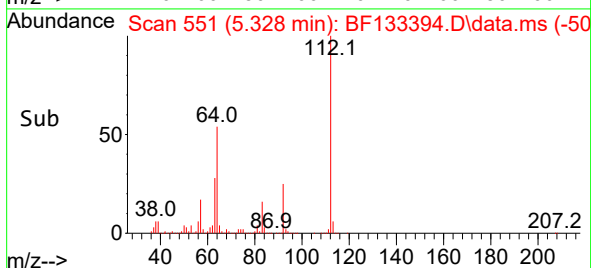
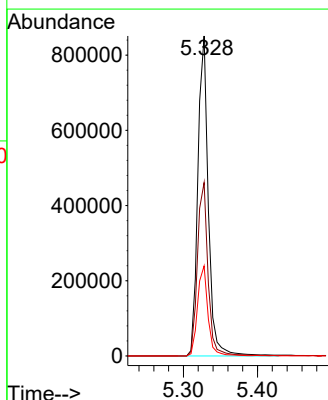
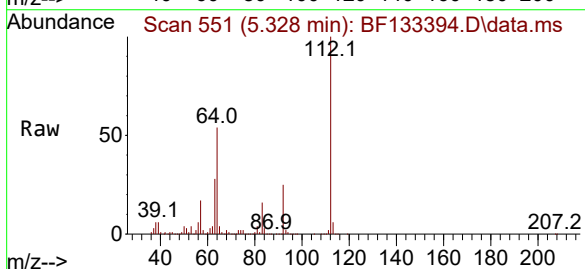
Instrument :
 BNA_F
 ClientSampleId :
 PAT-2-051123

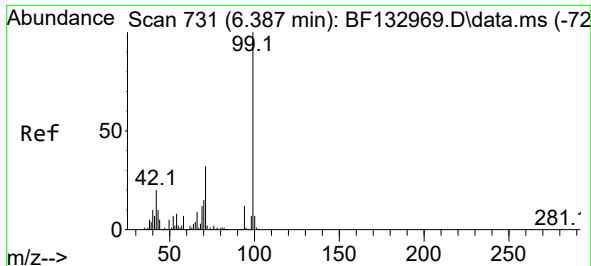
Tgt Ion:152 Resp: 172945
 Ion Ratio Lower Upper
 152 100
 150 162.0 124.8 187.2
 115 63.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 72.859 ng
 RT: 5.328 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: BF133394.D
 Acq: 15 May 2023 20:57

Tgt Ion:112 Resp: 834145
 Ion Ratio Lower Upper
 112 100
 64 54.2 46.8 70.2
 63 28.1 23.8 35.8

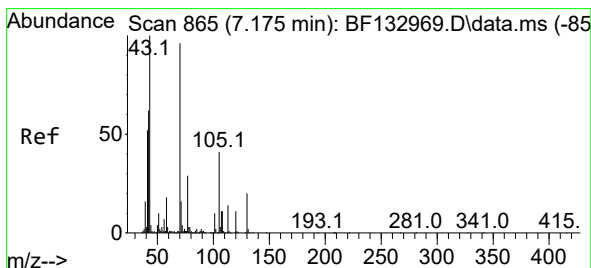
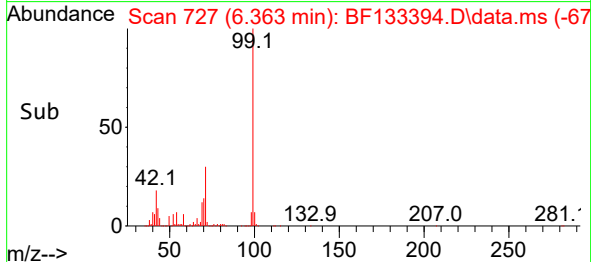
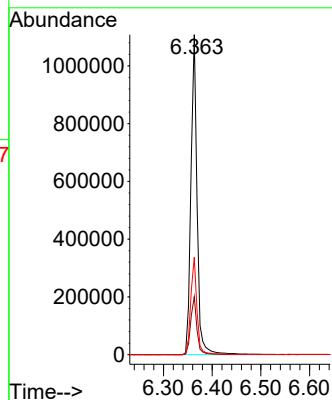
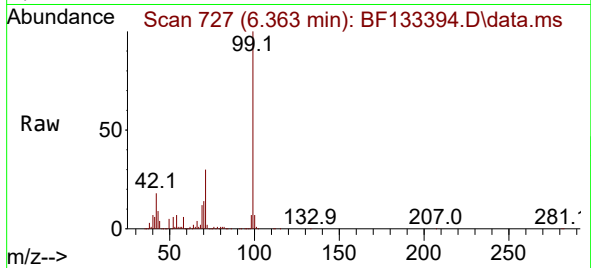




#7
Phenol-d6
Concen: 68.491 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

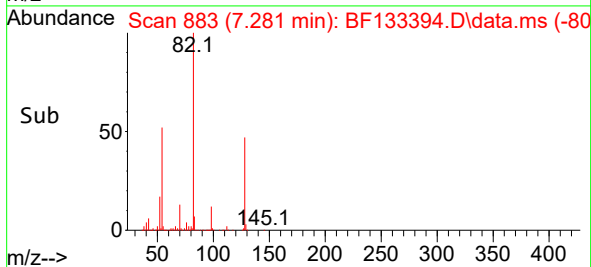
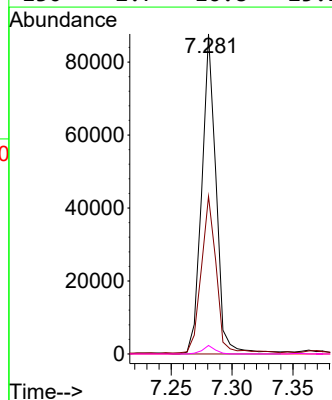
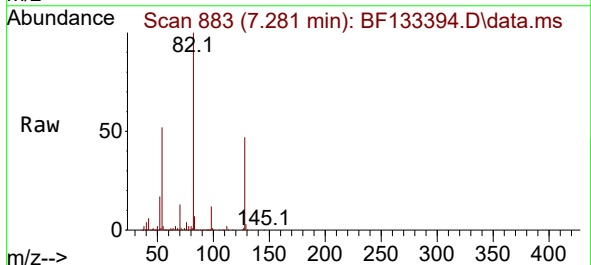
Instrument :
BNA_F
ClientSampleId :
PAT-2-051123

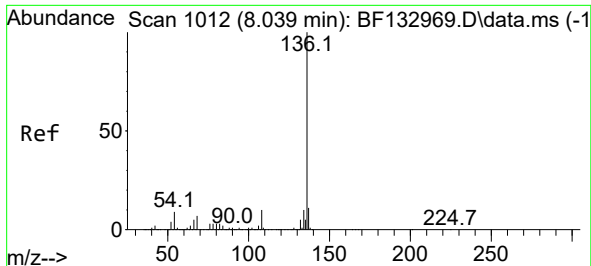
Tgt Ion: 99 Resp: 973278
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 30.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.161 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

Tgt Ion: 70 Resp: 72196
Ion Ratio Lower Upper
70 100
42 49.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.7 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Instrument :

BNA_F

ClientSampleId :

PAT-2-051123

Tgt Ion:136 Resp: 644917

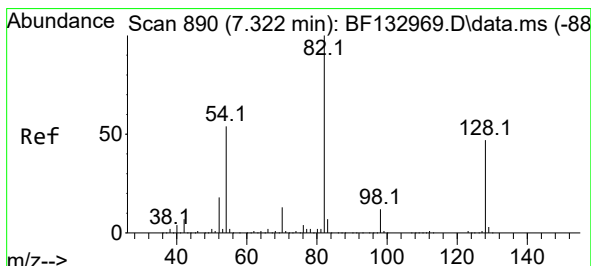
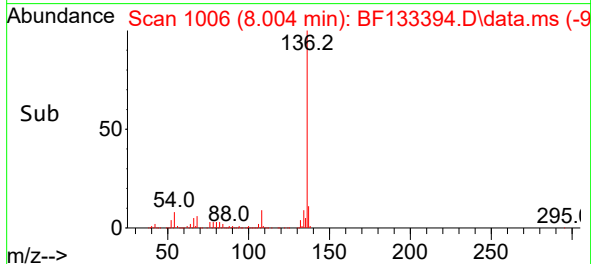
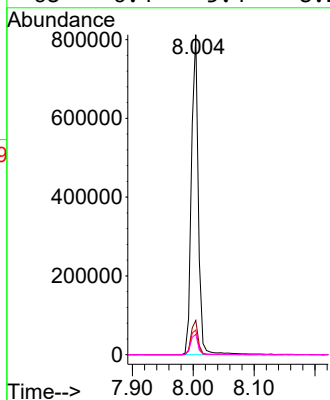
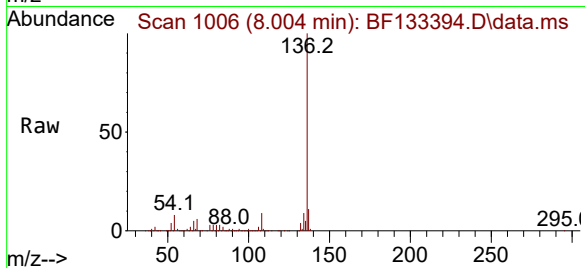
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.7 7.0 10.4

68 6.4 5.4 8.2



#23

Nitrobenzene-d5

Concen: 46.595 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

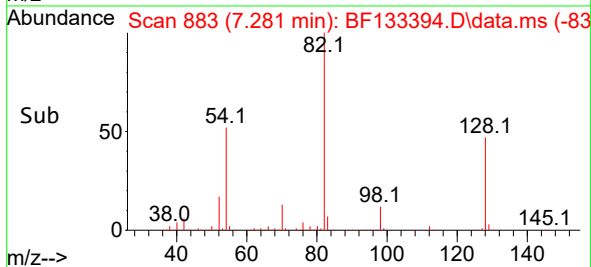
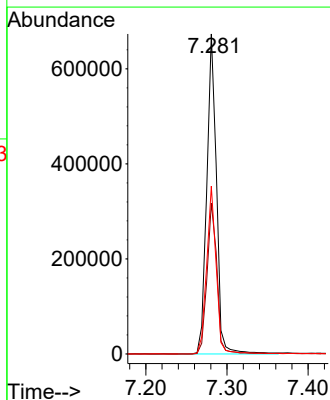
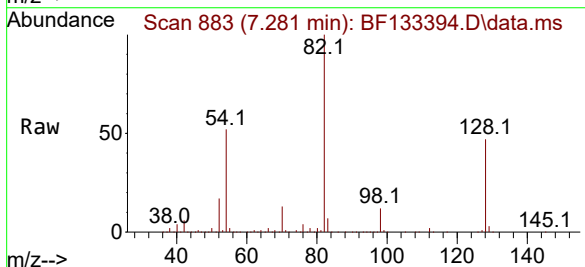
Tgt Ion: 82 Resp: 556723

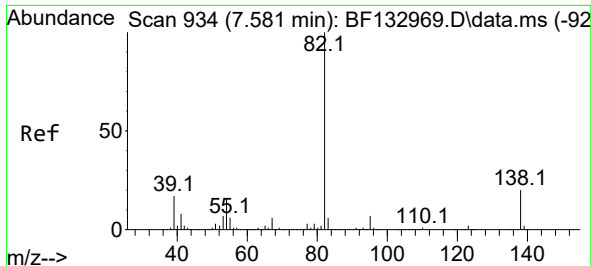
Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 52.4 43.0 64.4

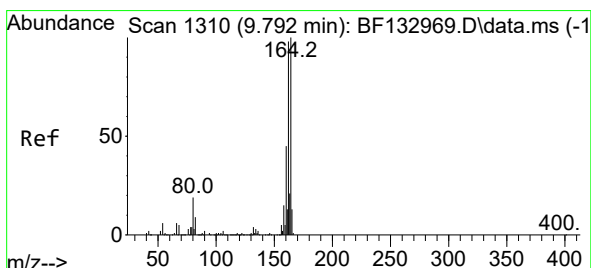
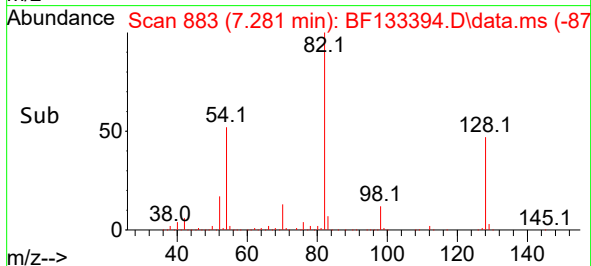
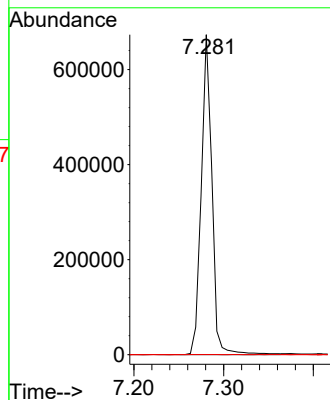
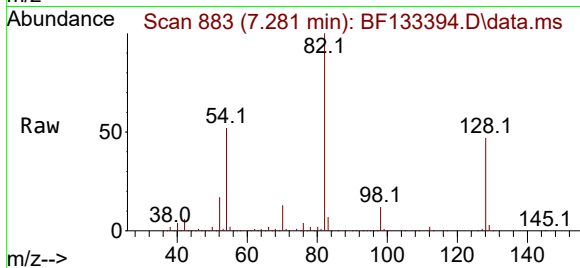




#25
Isophorone
Concen: 24.537 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

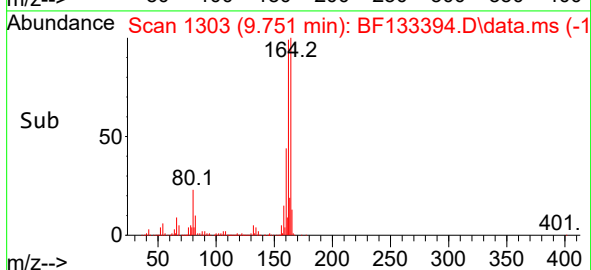
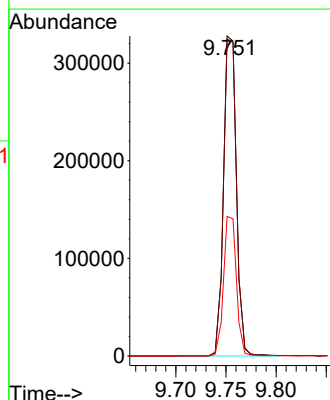
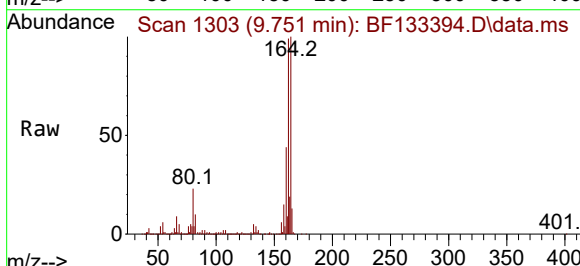
Instrument :
BNA_F
ClientSampleId :
PAT-2-051123

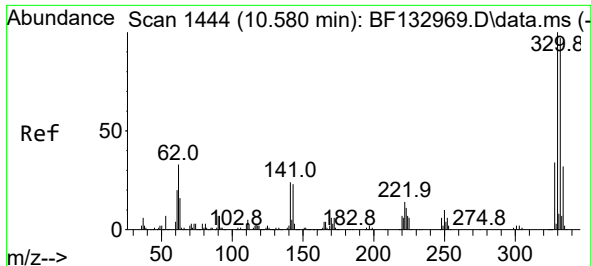
Tgt Ion: 82 Resp: 556628
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

Tgt Ion:164 Resp: 292136
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 71.862 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Instrument :

BNA_F

ClientSampleId :

PAT-2-051123

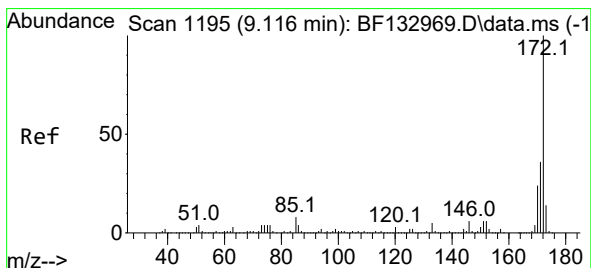
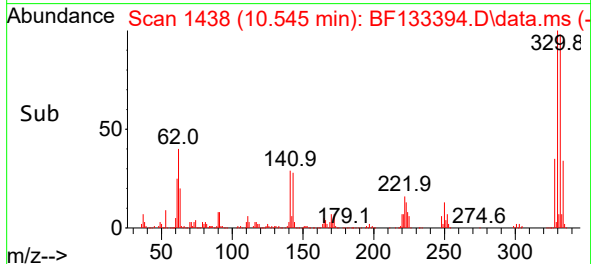
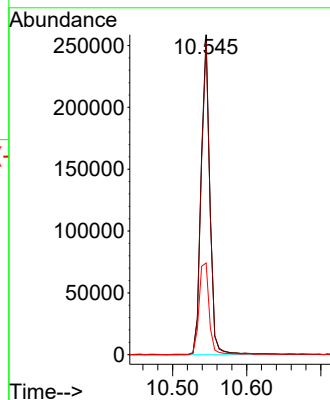
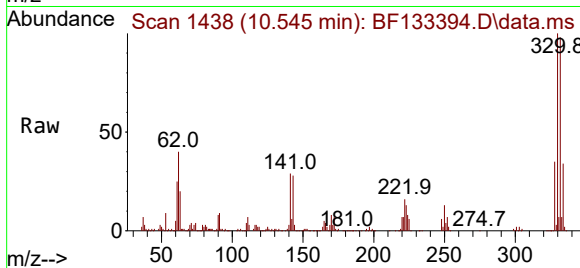
Tgt Ion:330 Resp: 211130

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 33.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 57.505 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

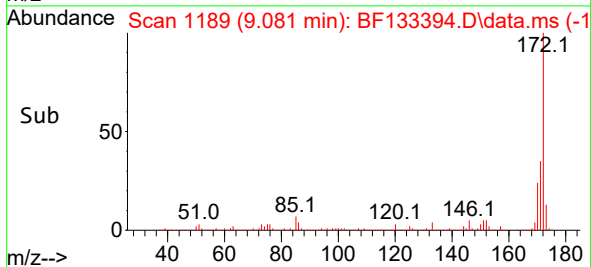
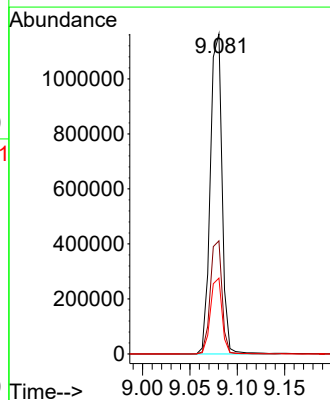
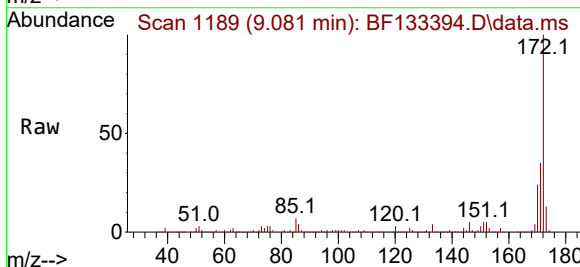
Tgt Ion:172 Resp: 1004147

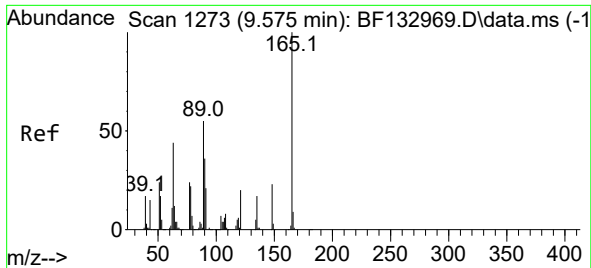
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.7 19.4 29.2

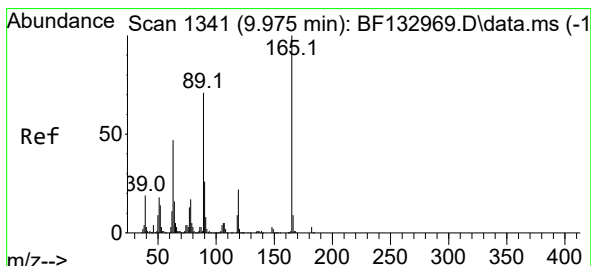
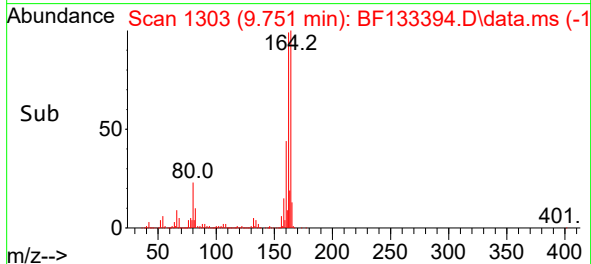
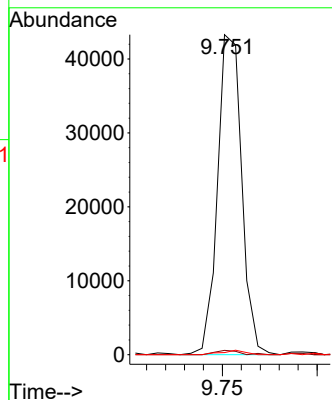
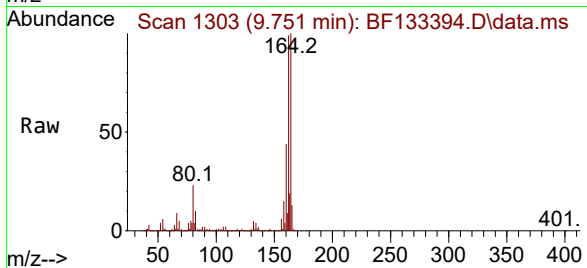




#51
2,6-Dinitrotoluene
Concen: 8.371 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

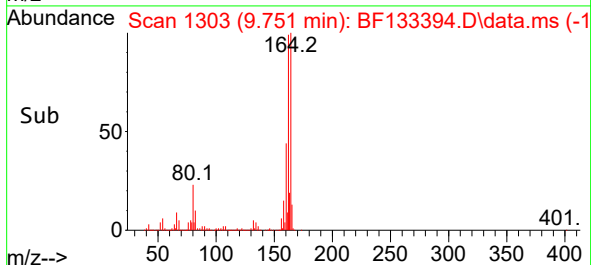
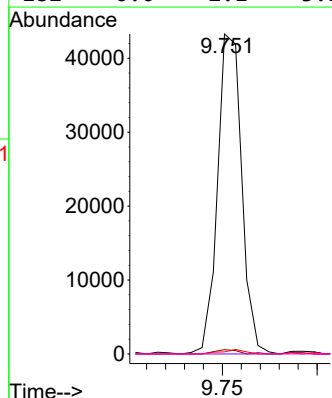
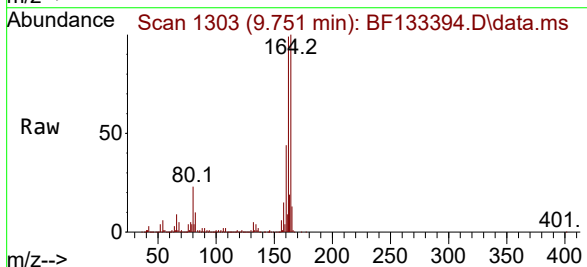
Instrument :
BNA_F
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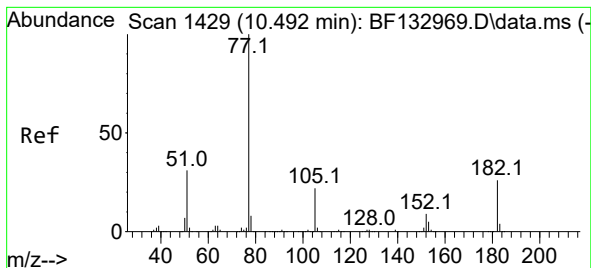
Tgt Ion:165 Resp: 38377
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 0.6 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.564 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.200 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

Tgt Ion:165 Resp: 38377
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 0.6 57.0 85.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.998 ng

RT: 10.469 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Instrument :

BNA_F

ClientSampleId :

PAT-2-051123

Tgt Ion: 77 Resp: 61101

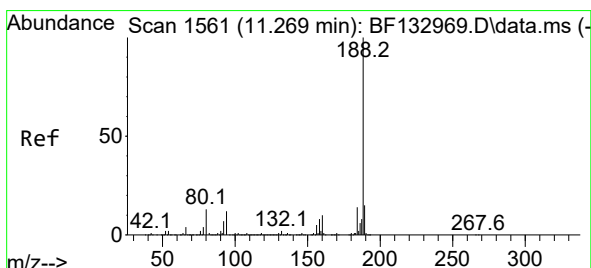
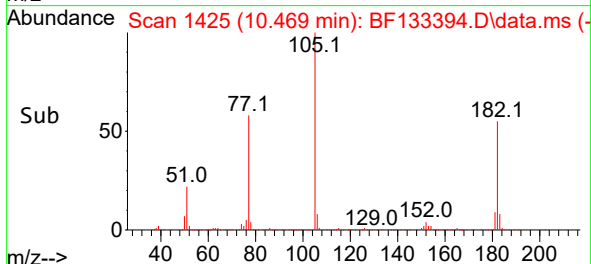
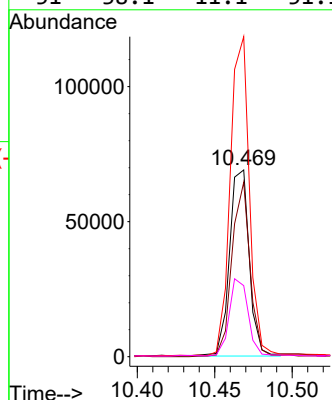
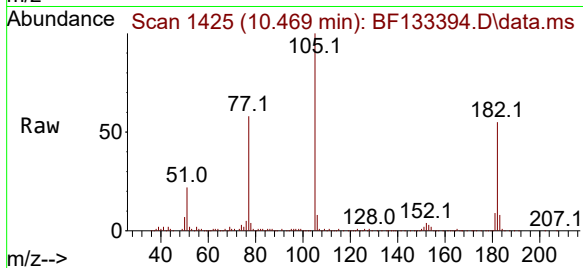
Ion Ratio Lower Upper

77 100

182 93.4 5.9 45.9#

105 171.3 2.3 42.3#

51 38.1 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. 0.000 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

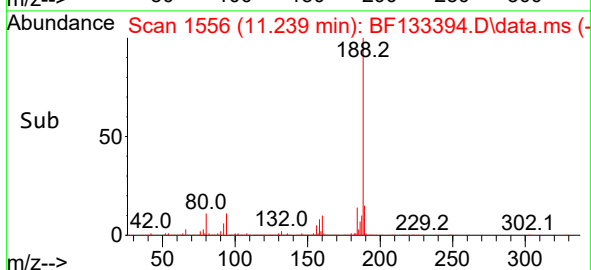
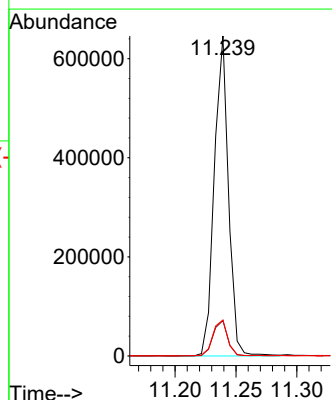
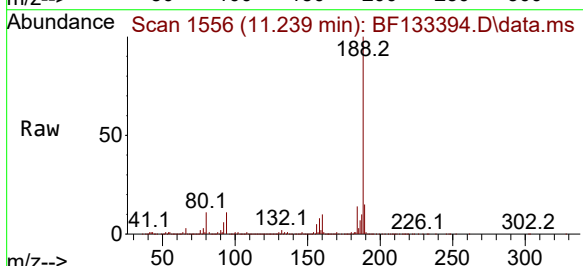
Tgt Ion: 188 Resp: 523170

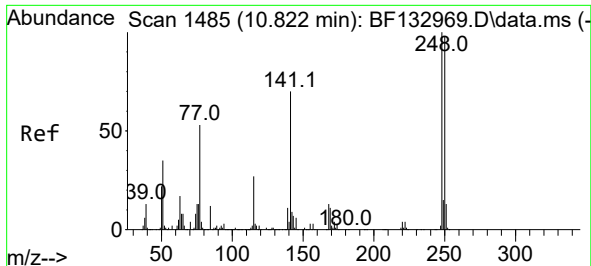
Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.3 10.4 15.6

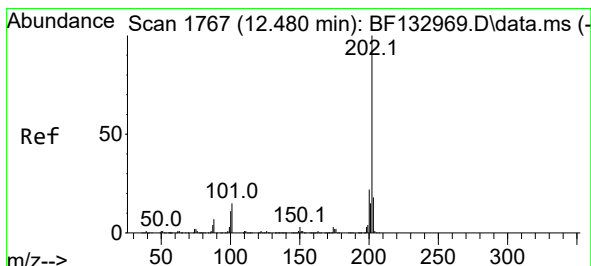
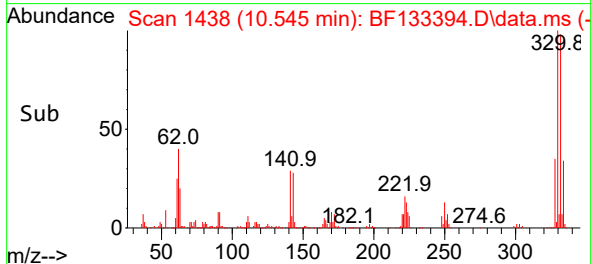
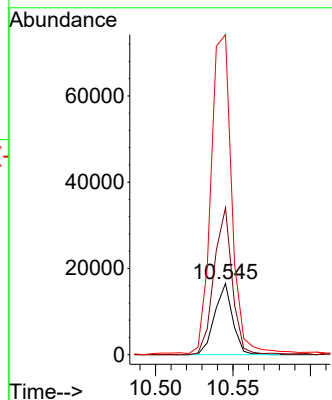
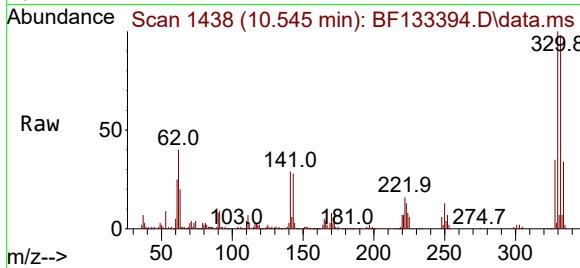




#67
4-Bromophenyl-phenylether
Concen: 2.357 ng
RT: 10.545 min Scan# 1485
Delta R.T. -0.241 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

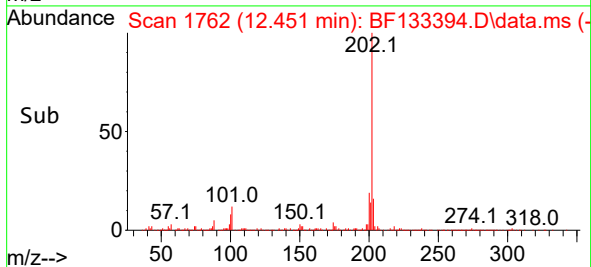
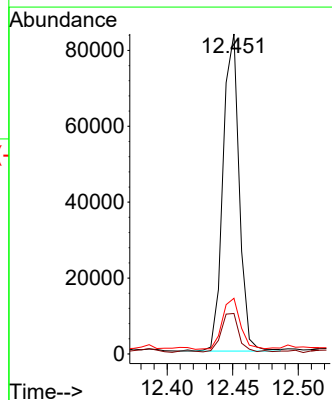
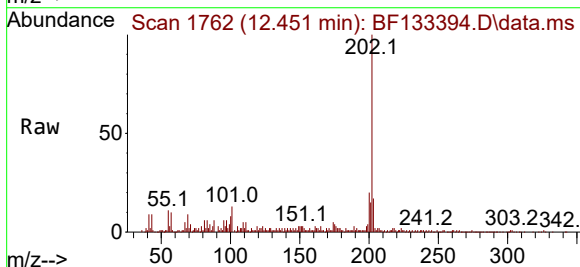
Instrument :
BNA_F
ClientSampleId :
PAT-2-051123

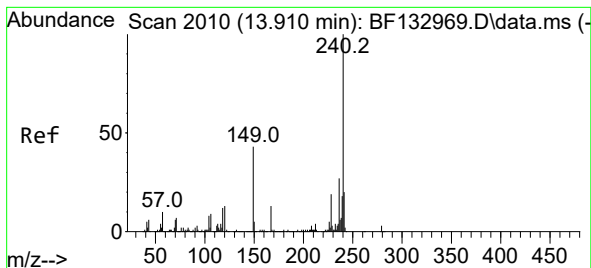
Tgt Ion:248 Resp: 13372
Ion Ratio Lower Upper
248 100
250 206.1 78.7 118.1#
141 449.1 56.3 84.5#



#75
Fluoranthene
Concen: 2.550 ng
RT: 12.451 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF133394.D
Acq: 15 May 2023 20:57

Tgt Ion:202 Resp: 71968
Ion Ratio Lower Upper
202 100
101 12.7 0.0 35.3
203 17.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Instrument :

BNA_F

ClientSampleId :

PAT-2-051123

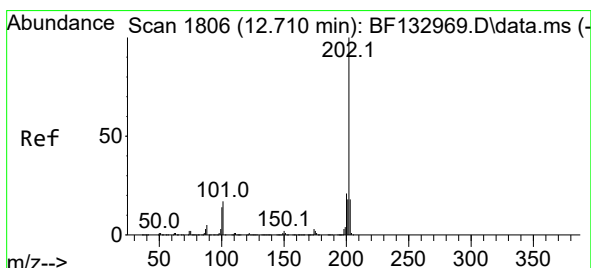
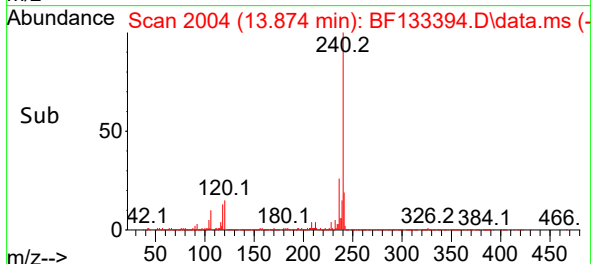
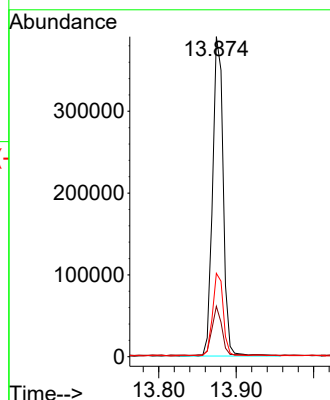
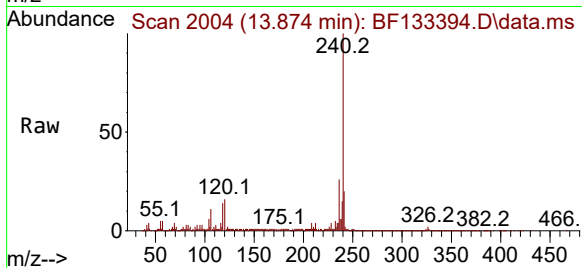
Tgt Ion:240 Resp: 370462

Ion Ratio Lower Upper

240 100

120 15.8 10.5 15.7#

236 26.0 21.5 32.3



#78

Pyrene

Concen: 2.532 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

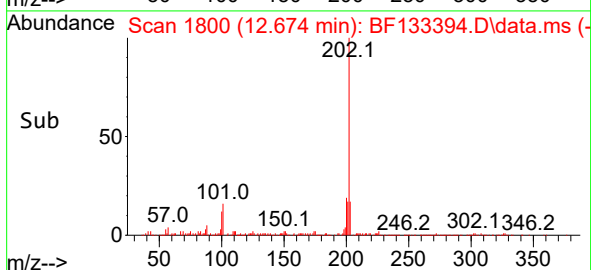
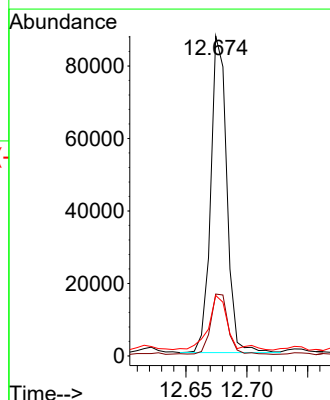
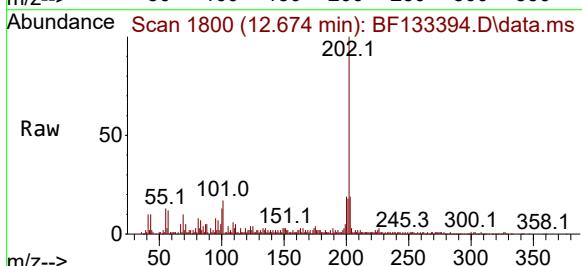
Tgt Ion:202 Resp: 80394

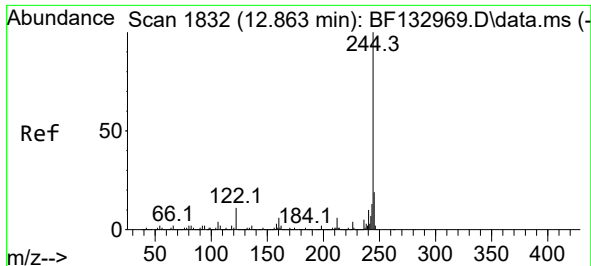
Ion Ratio Lower Upper

202 100

200 19.3 17.1 25.7

203 18.9 14.1 21.1

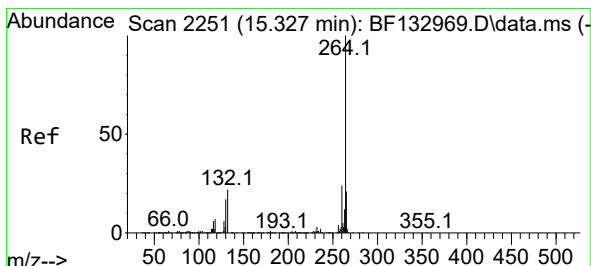
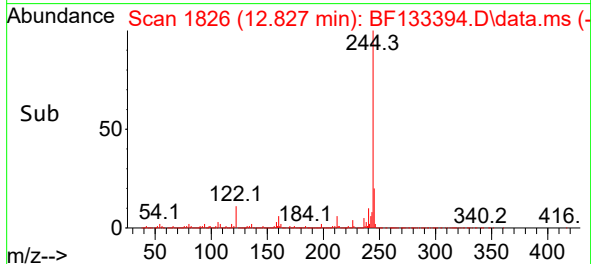
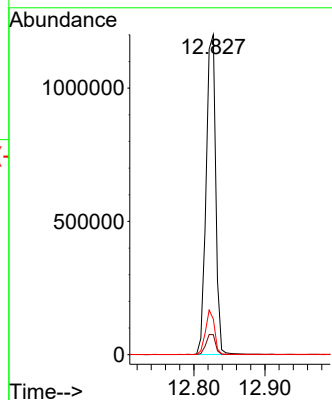
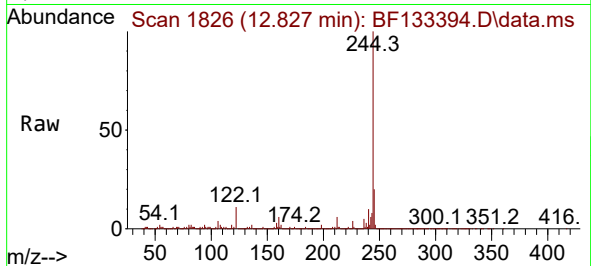




#79
 Terphenyl-d14
 Concen: 52.509 ng
 RT: 12.827 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133394.D
 Acq: 15 May 2023 20:57

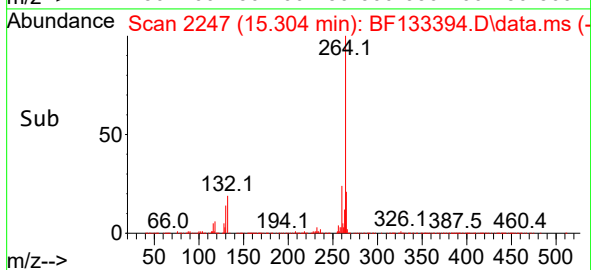
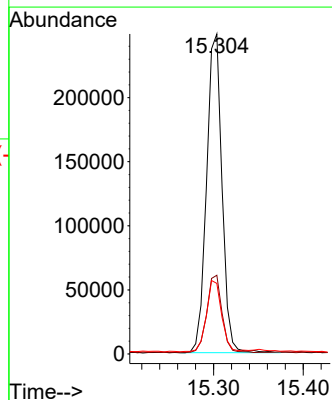
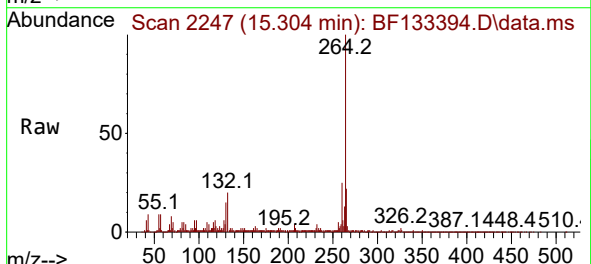
Instrument :
 BNA_F
 ClientSampleId :
 PAT-2-051123

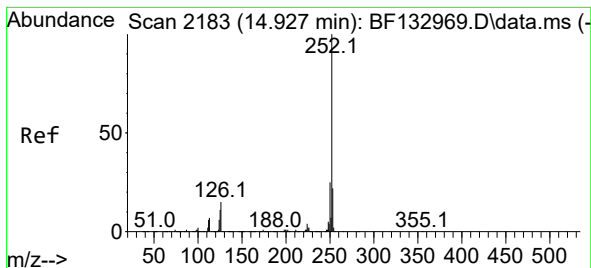
Tgt Ion:244 Resp: 1127907
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.1 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. 0.012 min
 Lab File: BF133394.D
 Acq: 15 May 2023 20:57

Tgt Ion:264 Resp: 296094
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 22.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.520 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Instrument :

BNA_F

ClientSampleId :

PAT-2-051123

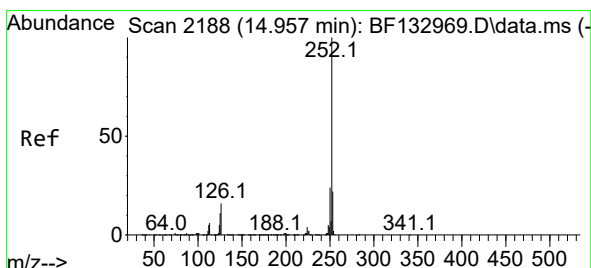
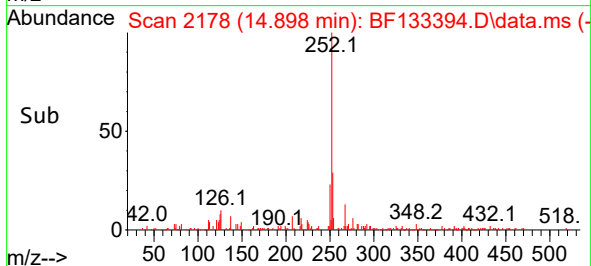
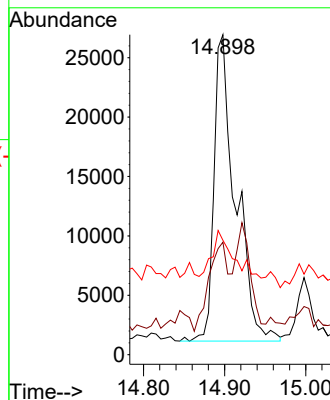
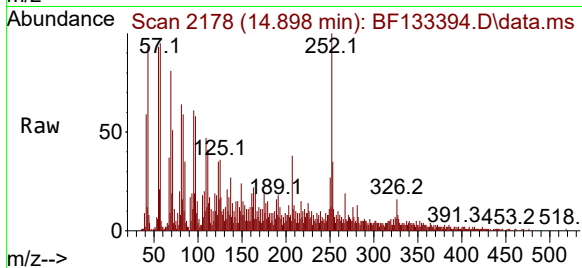
Tgt Ion:252 Resp: 47474

Ion Ratio Lower Upper

252 100

253 35.1 17.6 26.4#

125 35.7 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 2.542 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.023 min

Lab File: BF133394.D

Acq: 15 May 2023 20:57

Tgt Ion:252 Resp: 47474

Ion Ratio Lower Upper

252 100

253 35.1 17.7 26.5#

125 35.7 9.0 13.4#

