

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133041.D
 Acq On : 25 Apr 2023 22:29
 Operator : CG\JU
 Sample : 02483-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2S-TP2

Quant Time: Apr 26 02:18:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

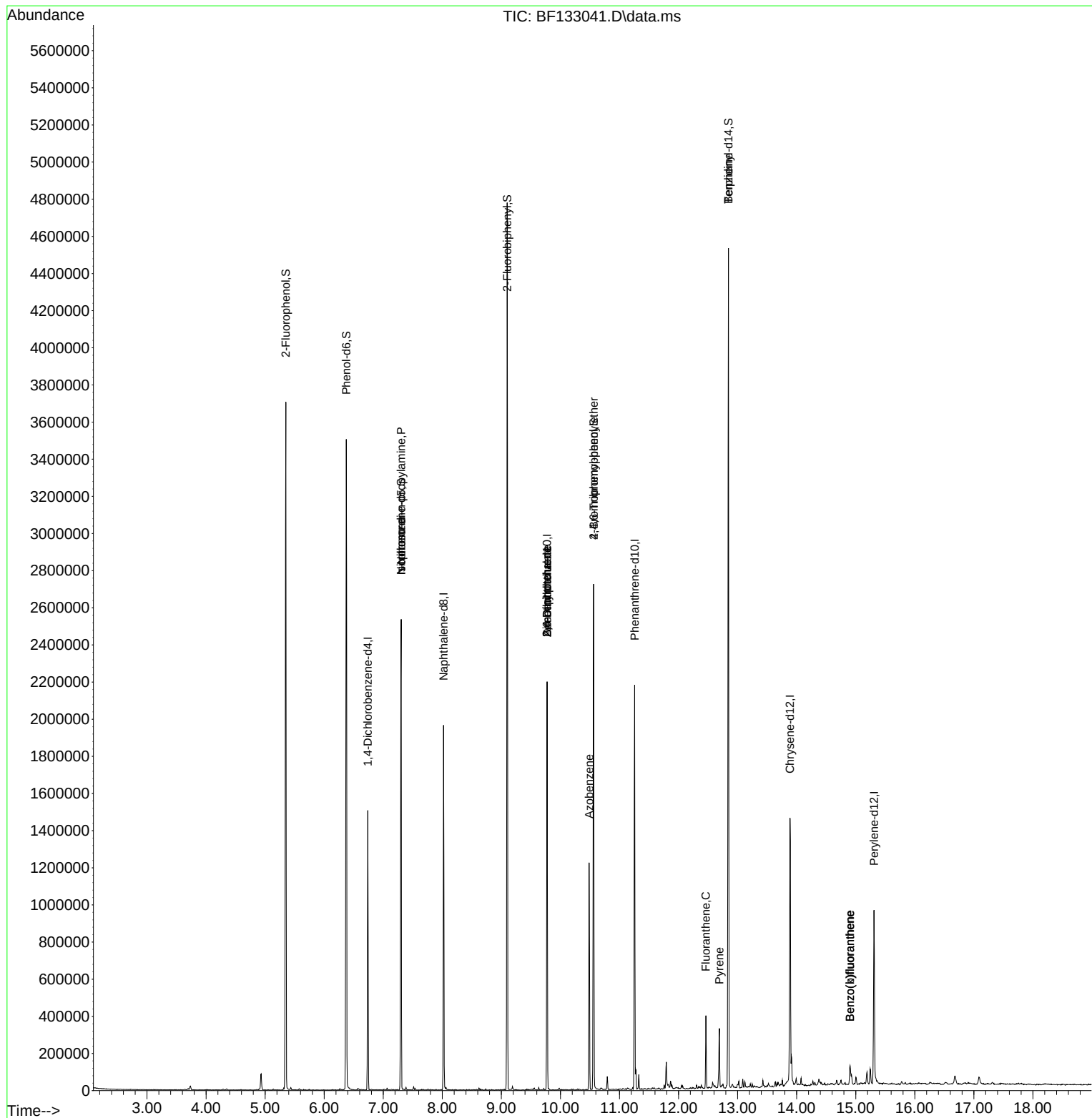
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	187081	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	722855	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	393496	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	718051	20.000	ng	0.00
76) Chrysene-d12	13.886	240	457262	20.000	ng	-0.01
86) Perylene-d12	15.309	264	373365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1039841	83.963	ng	0.00
7) Phenol-d6	6.375	99	1270746	82.668	ng	-0.01
23) Nitrobenzene-d5	7.304	82	758635	56.649	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	323229	81.678	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1354120	57.572	ng	-0.01
79) Terphenyl-d14	12.845	244	1533406	57.836	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.286	77	568	Below Cal	#	64
19) n-Nitroso-di-n-propyla...	7.304	70	98461	10.289	ng	# 77
25) Isophorone	7.304	82	757365	29.786	ng	# 63
50) Dimethylphthalate	9.774	163	80216	2.924	ng	# 1
51) 2,6-Dinitrotoluene	9.774	165	50863	8.236	ng	# 24
57) 2,4-Dinitrotoluene	9.774	165	50863	6.458	ng	# 23
63) Azobenzene	10.486	77	180578	6.577	ng	# 1
67) 4-Bromophenyl-phenylether	10.563	248	19218	2.468	ng	# 1
75) Fluoranthene	12.463	202	131591	3.397	ng	97
77) Benzidine	12.845	184	17778	2.299	ng	# 92
78) Pyrene	12.692	202	121461	3.099	ng	96
88) Benzo(b)fluoranthene	14.904	252	69240	2.915	ng	98
89) Benzo(k)fluoranthene	14.904	252	69240	2.941	ng	98

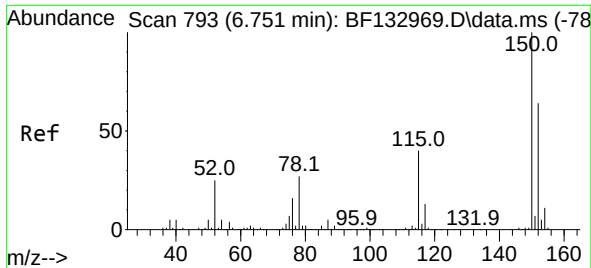
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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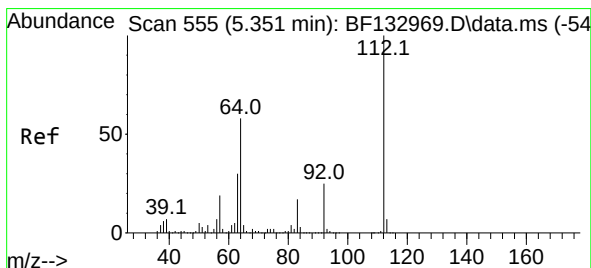
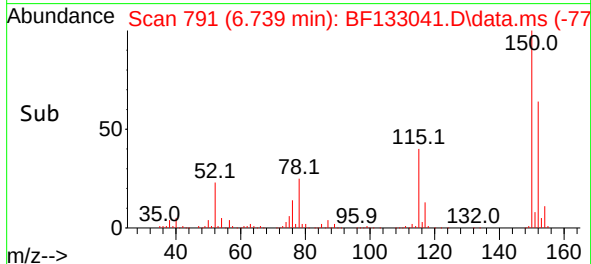
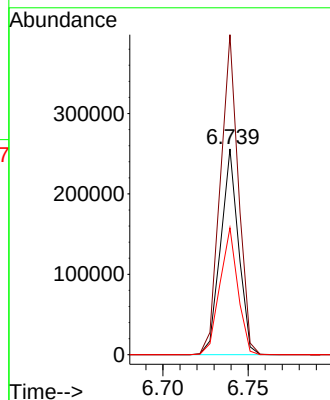
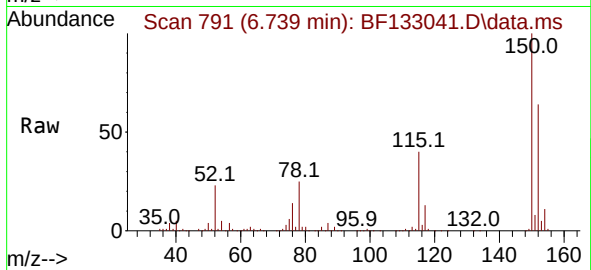




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

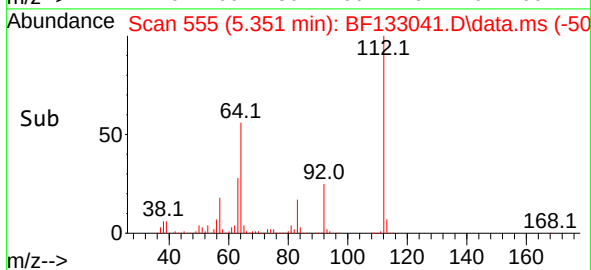
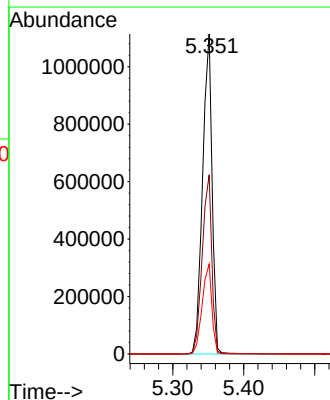
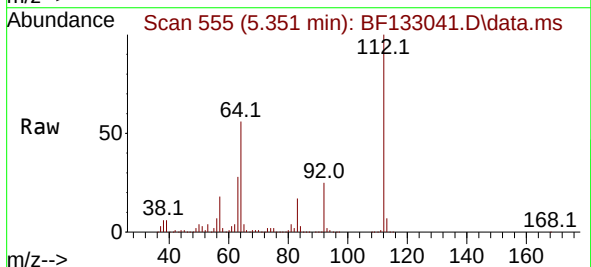
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

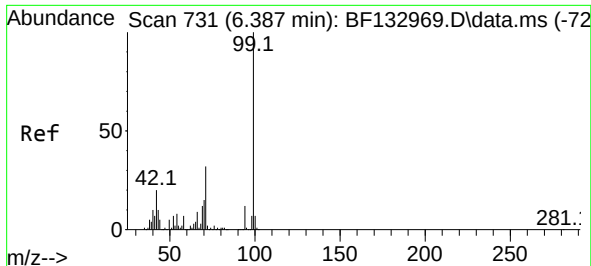
Tgt Ion:152 Resp: 187081
Ion Ratio Lower Upper
152 100
150 155.5 124.8 187.2
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 83.963 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion:112 Resp: 1039841
Ion Ratio Lower Upper
112 100
64 56.0 46.8 70.2
63 28.1 23.8 35.8

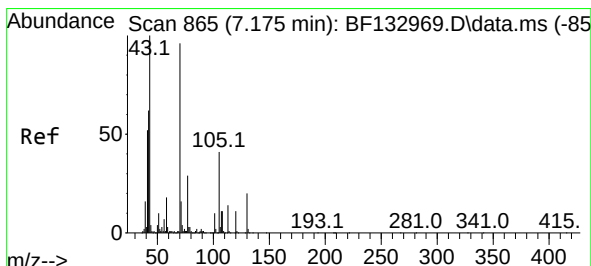
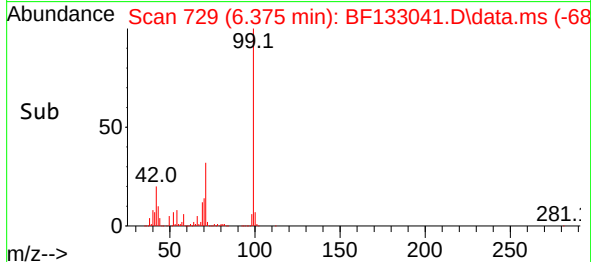
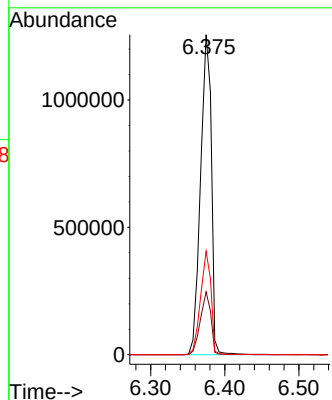
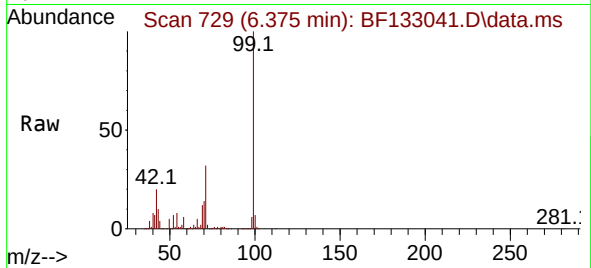




#7
Phenol-d6
Concen: 82.668 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

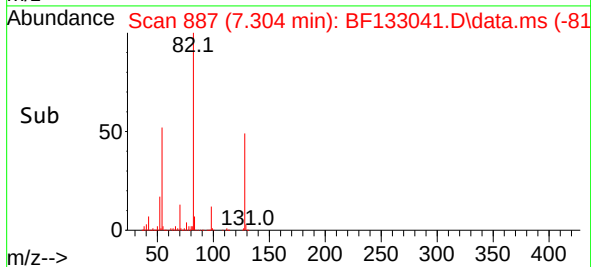
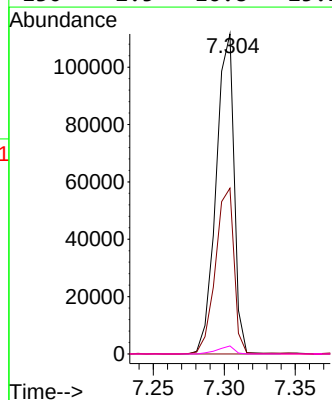
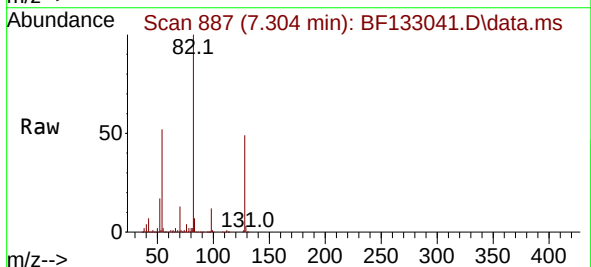
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

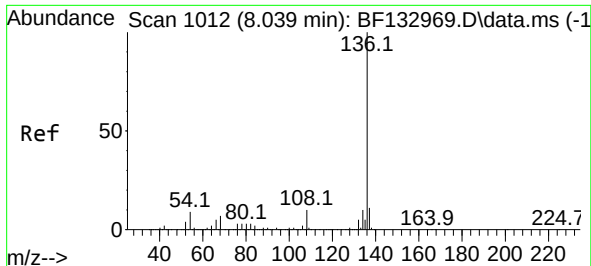
Tgt Ion: 99 Resp: 1270746
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 32.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.289 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion: 70 Resp: 98461
Ion Ratio Lower Upper
70 100
42 51.8 51.8 77.6
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#

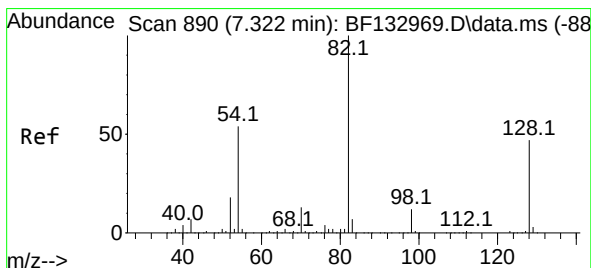
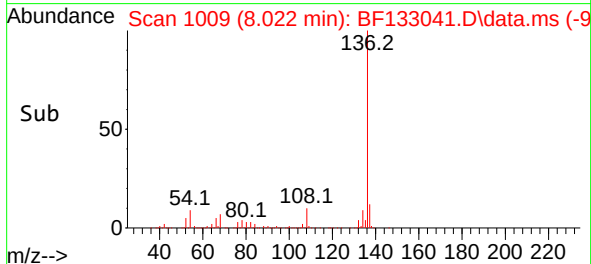
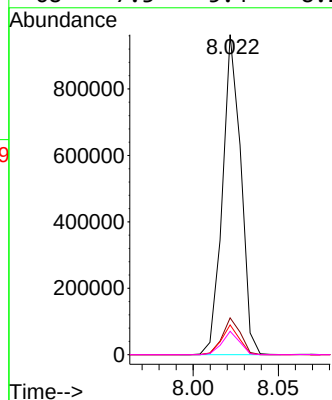
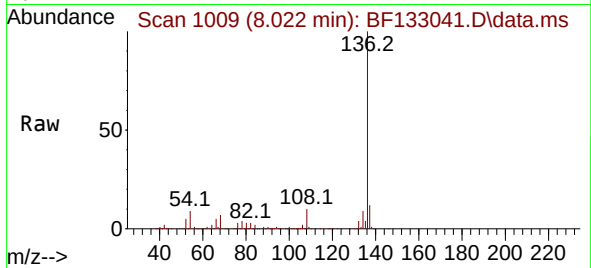




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

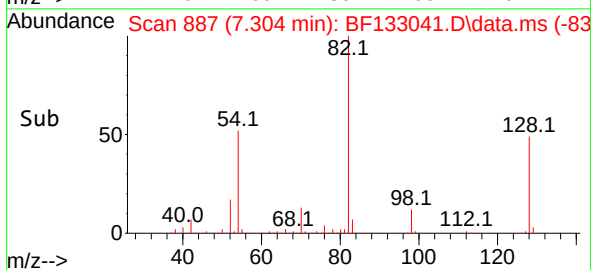
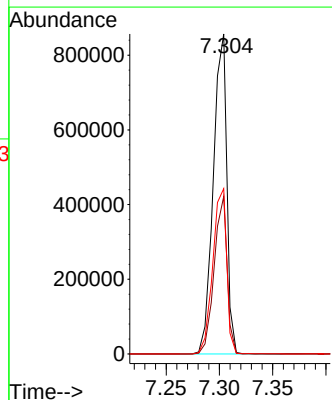
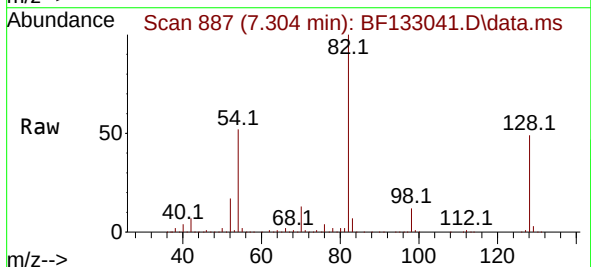
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

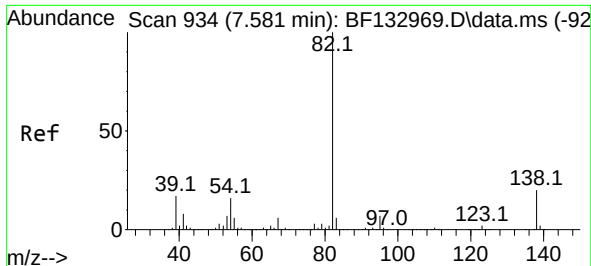
Tgt Ion:136 Resp: 722855
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 9.3 7.0 10.4
68 7.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 56.649 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion: 82 Resp: 758635
Ion Ratio Lower Upper
82 100
128 49.2 37.7 56.5
54 51.6 43.0 64.4

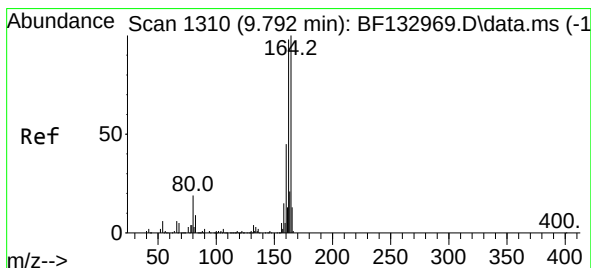
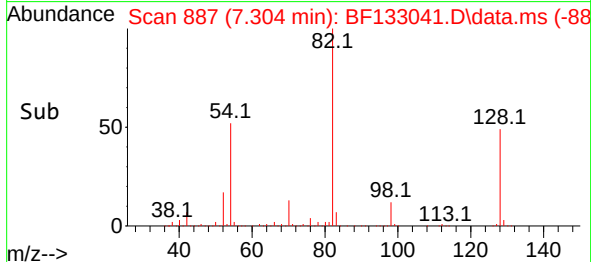
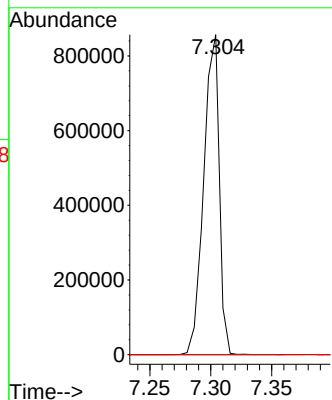
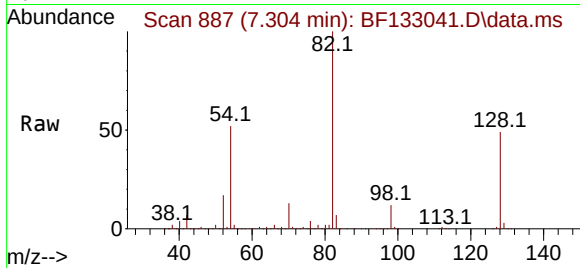




#25
Isophorone
Concen: 29.786 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

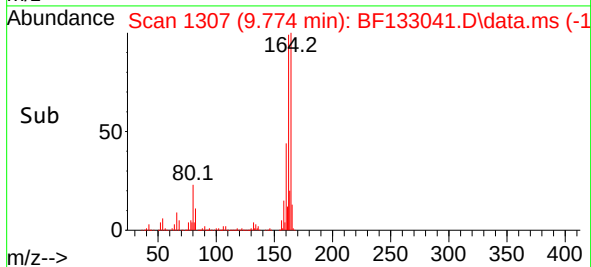
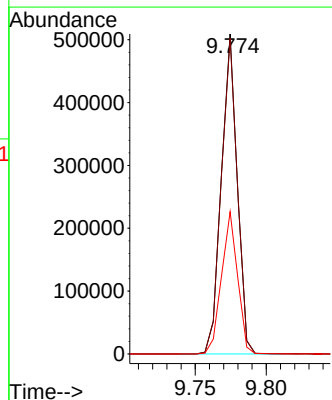
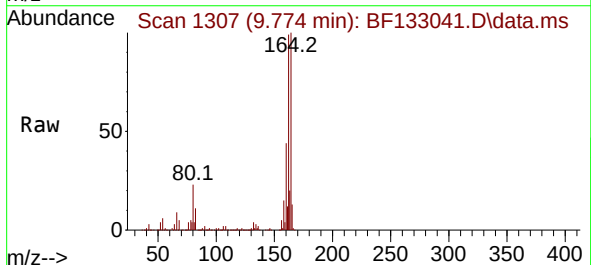
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

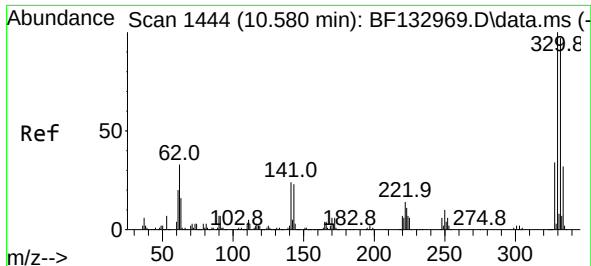
Tgt Ion: 82 Resp: 757365
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion:164 Resp: 393496
Ion Ratio Lower Upper
164 100
162 98.8 78.7 118.1
160 44.4 35.8 53.6

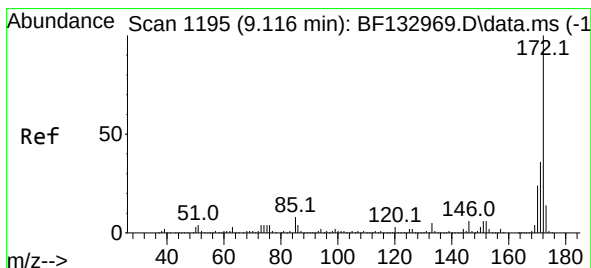
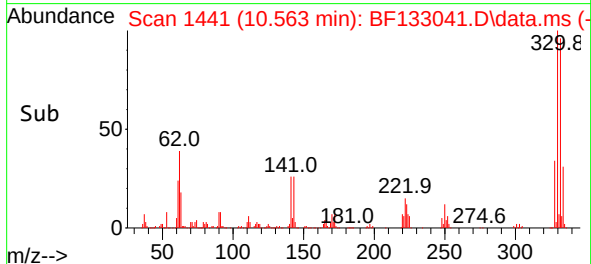
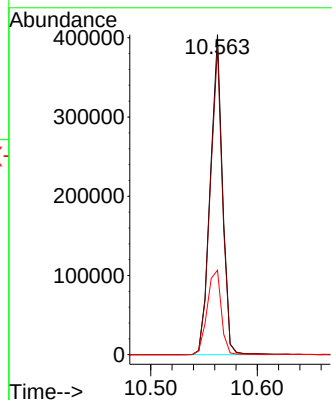
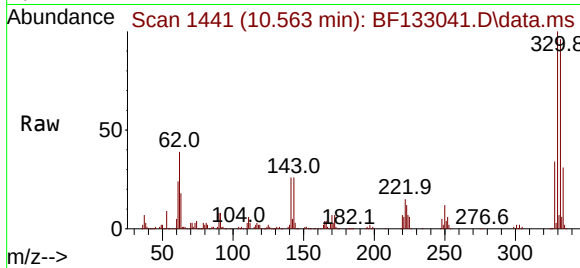




#42
2,4,6-Tribromophenol
Concen: 81.678 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

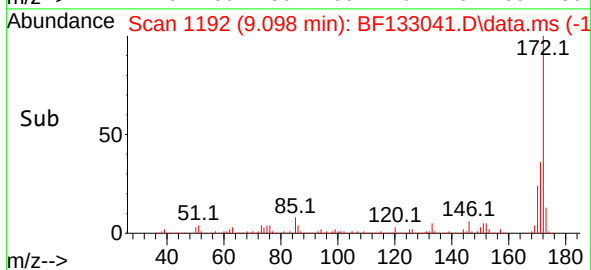
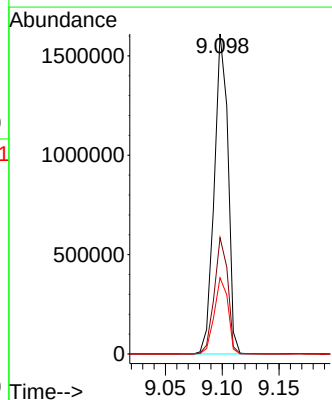
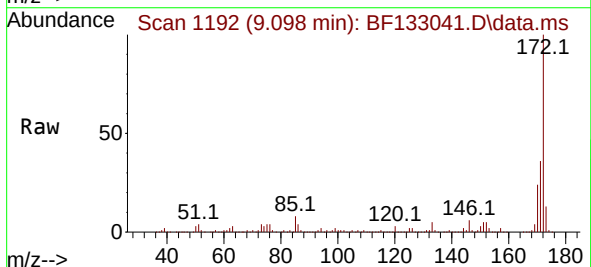
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

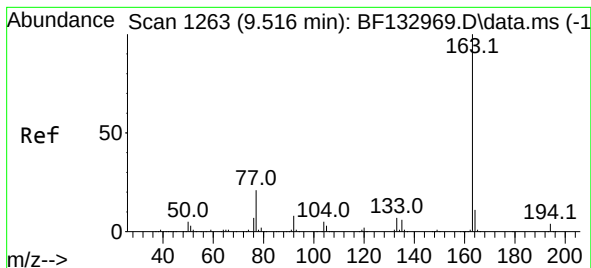
Tgt Ion: 330 Resp: 323229
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 30.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 57.572 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion: 172 Resp: 1354120
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 23.8 19.4 29.2





#50

Dimethylphthalate

Concen: 2.924 ng

RT: 9.774 min Scan# 1

Delta R.T. 0.265 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

Instrument :

BNA_F

ClientSampleId :

S2S-TP2

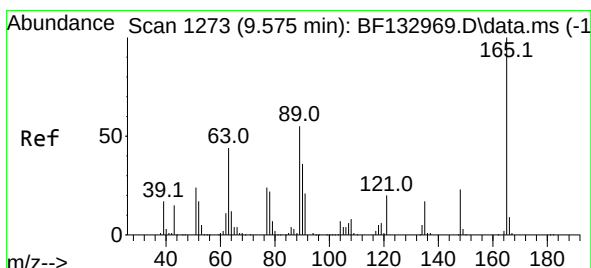
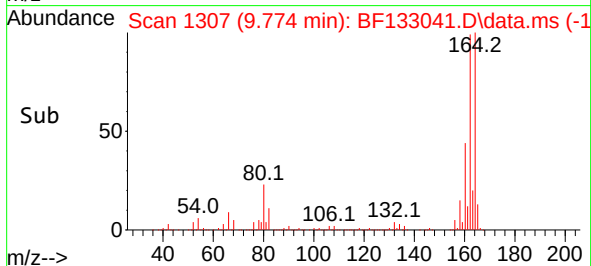
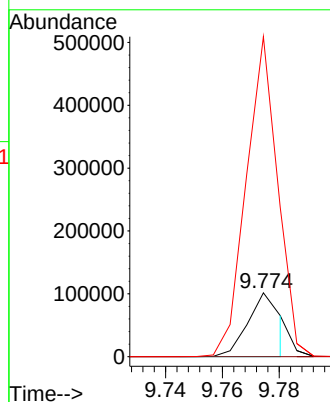
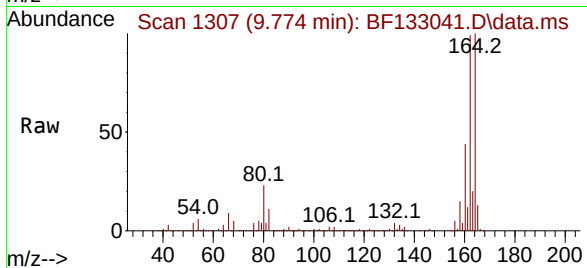
Tgt Ion:163 Resp: 80216

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 501.4 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 8.236 ng

RT: 9.774 min Scan# 1307

Delta R.T. 0.206 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

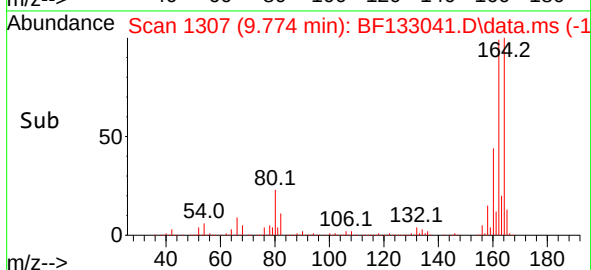
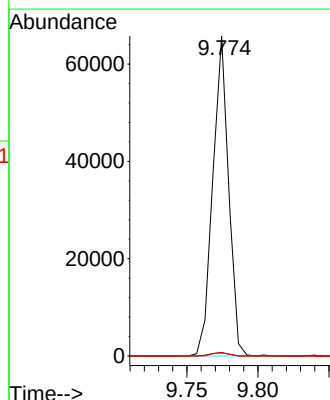
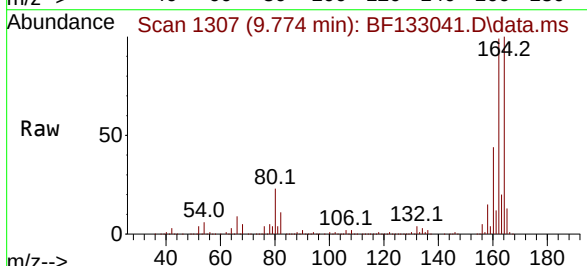
Tgt Ion:165 Resp: 50863

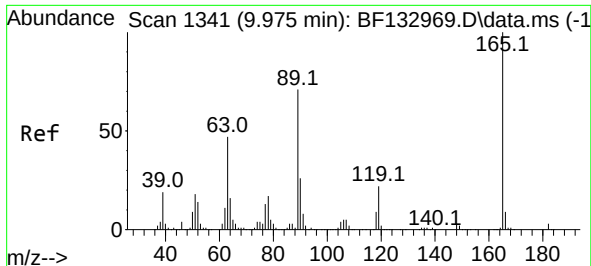
Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 0.9 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.458 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

Instrument :

BNA_F

ClientSampleId :

S2S-TP2

Tgt Ion:165 Resp: 50863

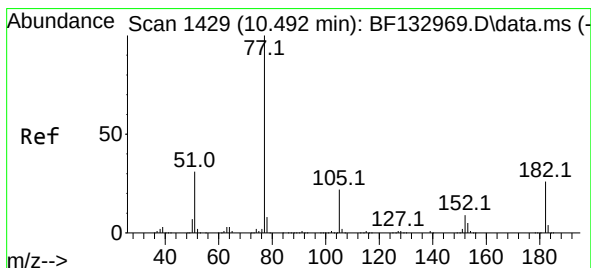
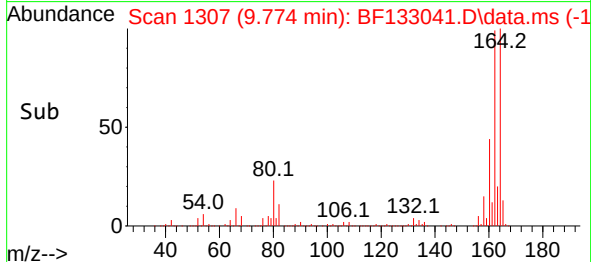
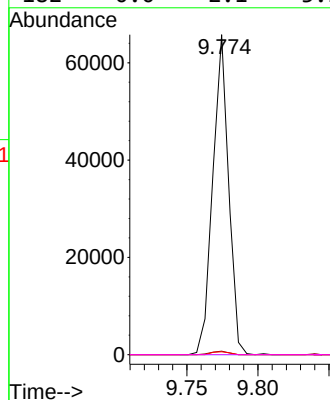
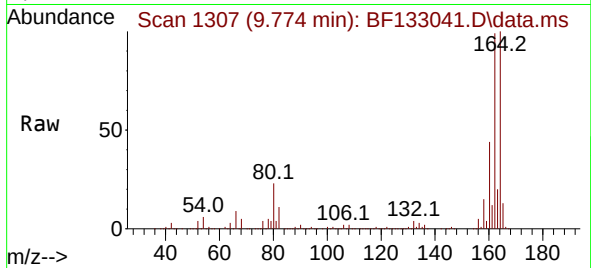
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 0.9 57.0 85.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 6.577 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.000 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

Tgt Ion: 77 Resp: 180578

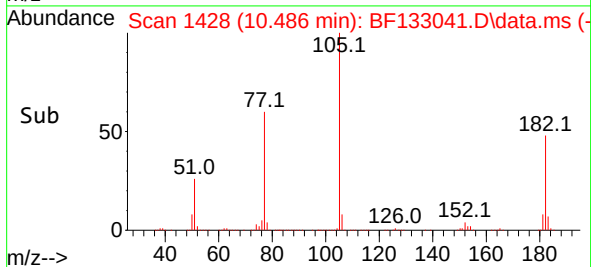
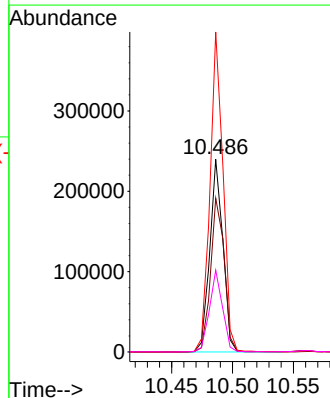
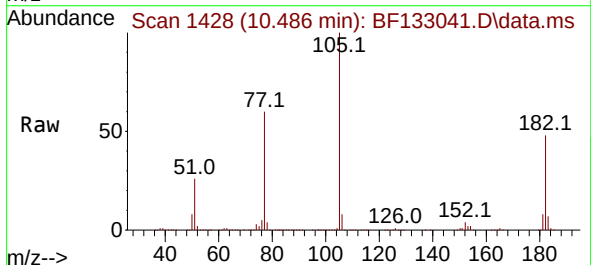
Ion Ratio Lower Upper

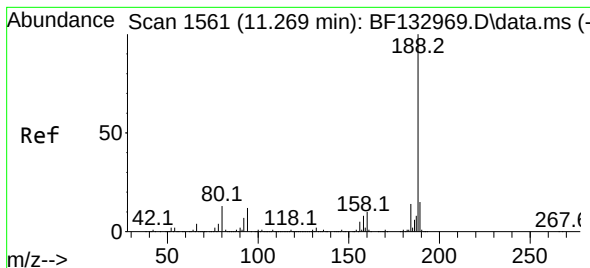
77 100

182 79.8 5.9 45.9#

105 166.1 2.3 42.3#

51 42.5 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

Instrument :

BNA_F

ClientSampleId :

S2S-TP2

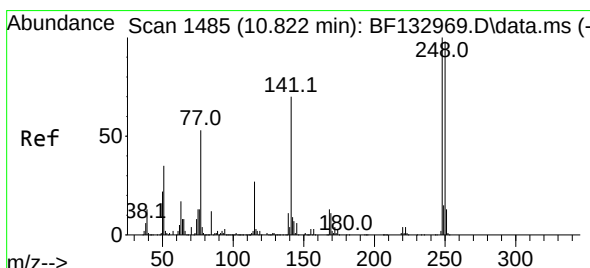
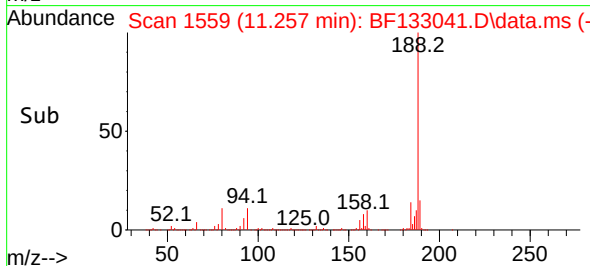
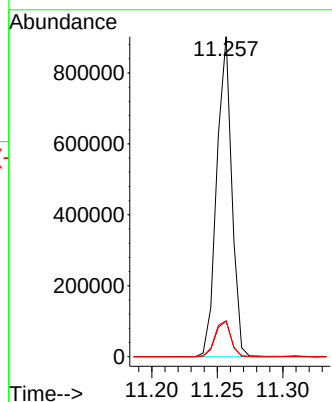
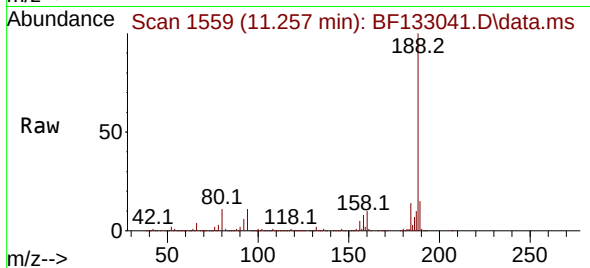
Tgt Ion:188 Resp: 718051

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.2 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.468 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.247 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

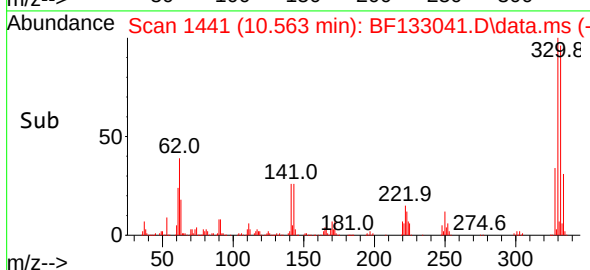
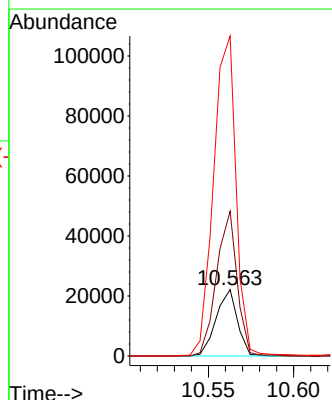
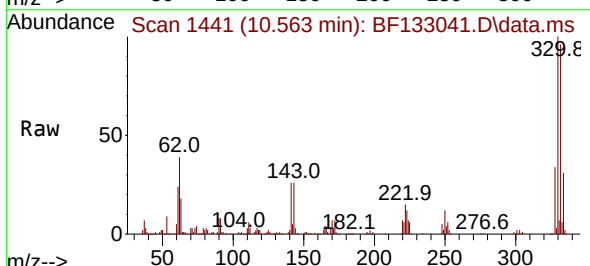
Tgt Ion:248 Resp: 19218

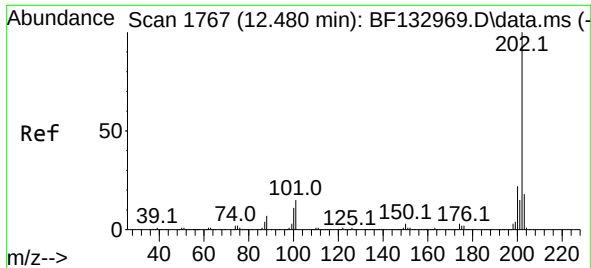
Ion Ratio Lower Upper

248 100

250 218.3 78.7 118.1#

141 482.2 56.3 84.5#

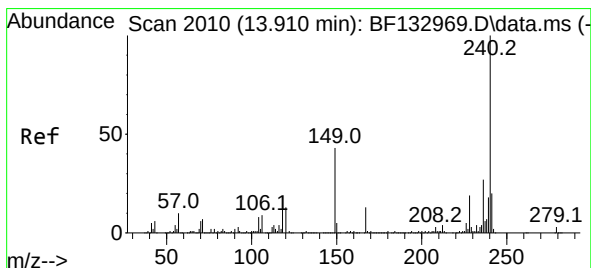
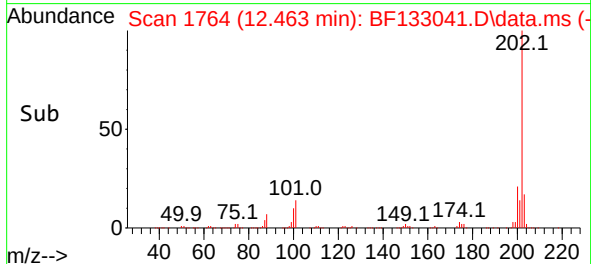
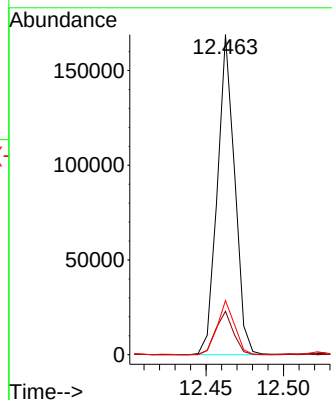
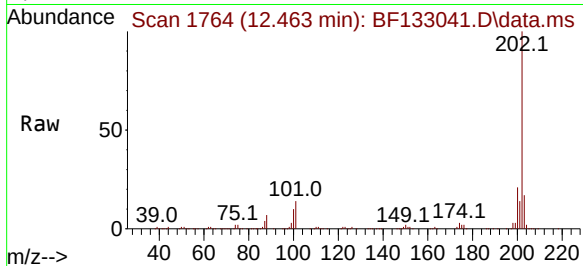




#75
Fluoranthene
Concen: 3.397 ng
RT: 12.463 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

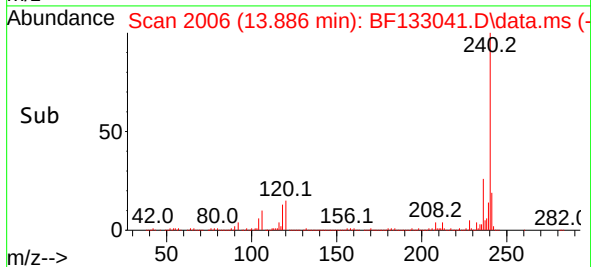
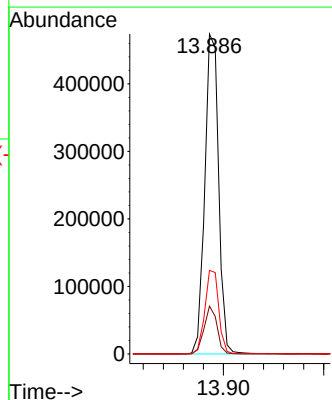
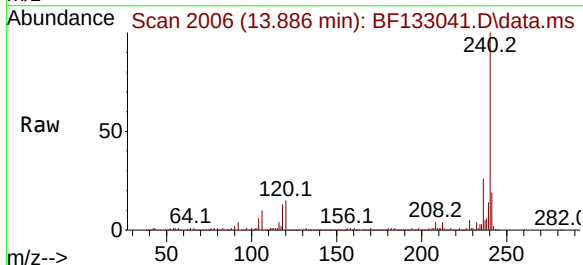
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

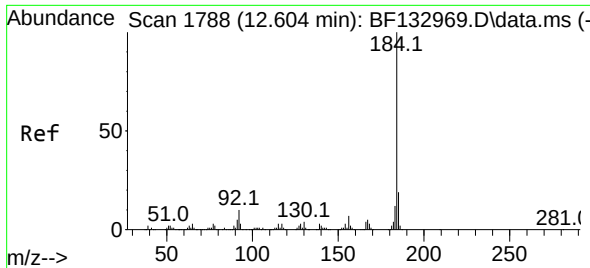
Tgt Ion:202 Resp: 131591
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.3
203 16.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion:240 Resp: 457262
Ion Ratio Lower Upper
240 100
120 15.0 10.5 15.7
236 26.1 21.5 32.3

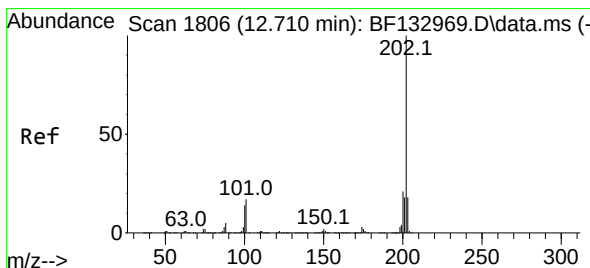
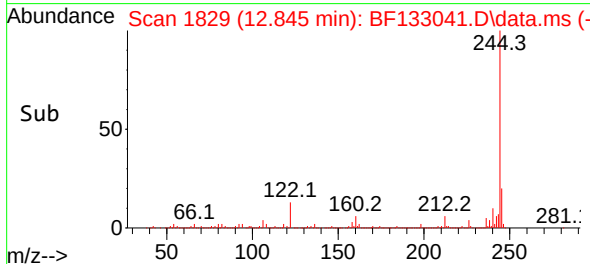
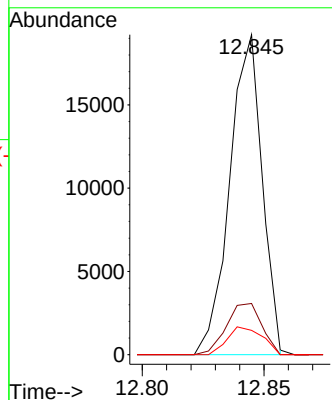
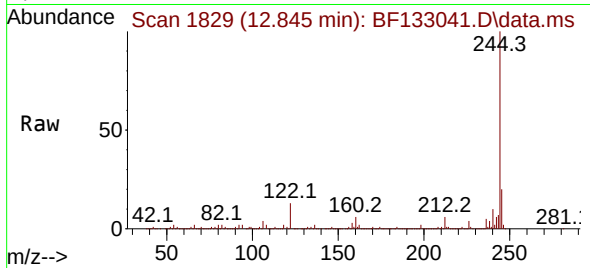




#77
Benzidine
Concen: 2.299 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.253 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

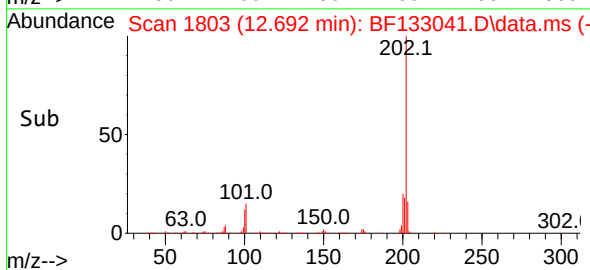
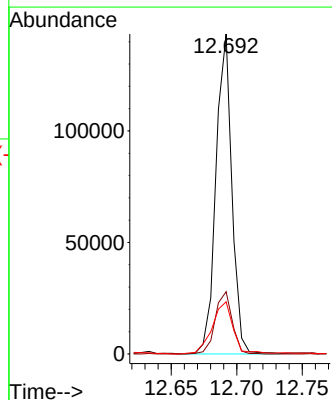
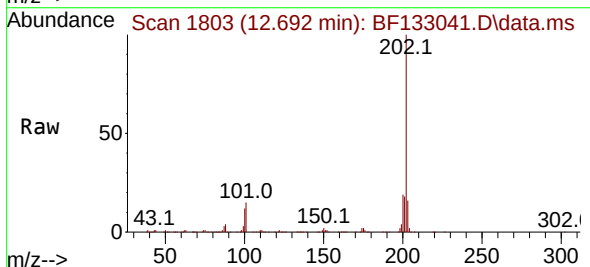
Instrument :
BNA_F
ClientSampleId :
S2S-TP2

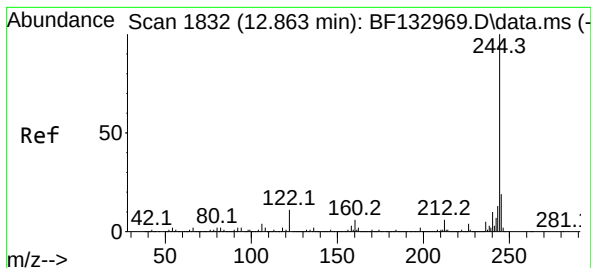
Tgt Ion:184 Resp: 17778
Ion Ratio Lower Upper
184 100
185 16.0 15.4 23.2
183 7.6 9.4 14.0#



#78
Pyrene
Concen: 3.099 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion:202 Resp: 121461
Ion Ratio Lower Upper
202 100
200 19.5 17.1 25.7
203 16.3 14.1 21.1





#79

Terphenyl-d14

Concen: 57.836 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

Instrument :

BNA_F

ClientSampleId :

S2S-TP2

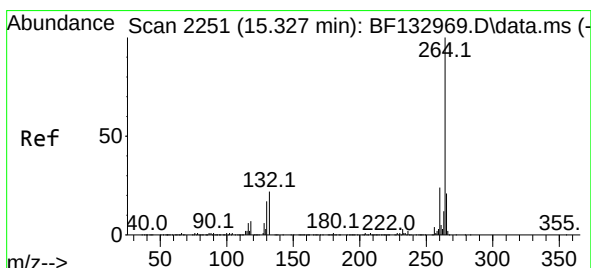
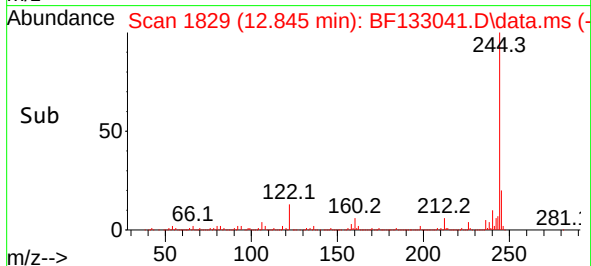
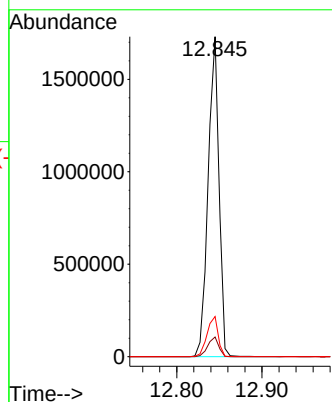
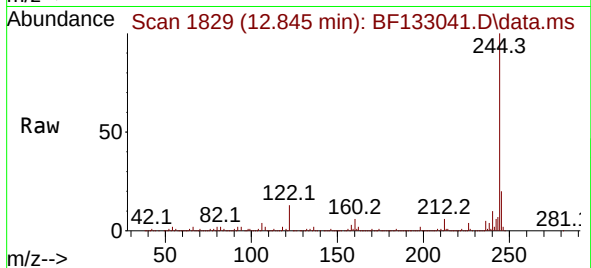
Tgt Ion:244 Resp: 1533406

Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 12.5 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 2248

Delta R.T. -0.006 min

Lab File: BF133041.D

Acq: 25 Apr 2023 22:29

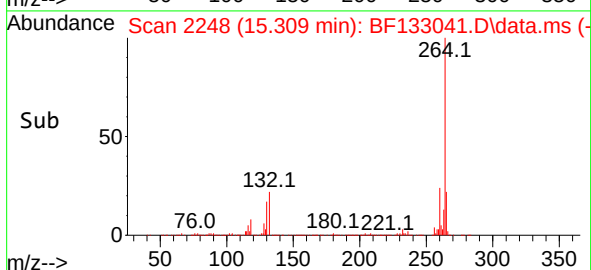
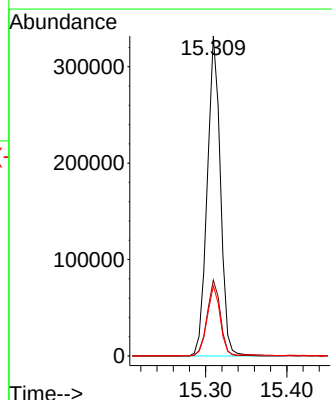
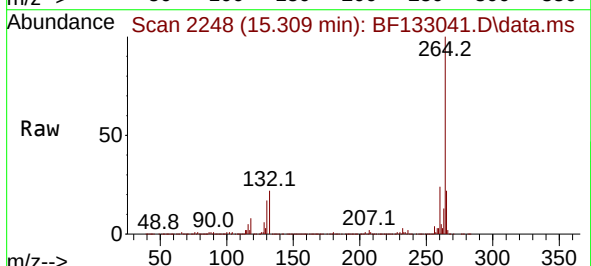
Tgt Ion:264 Resp: 373365

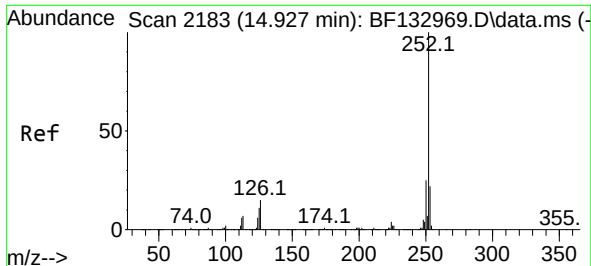
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.9 17.0 25.4

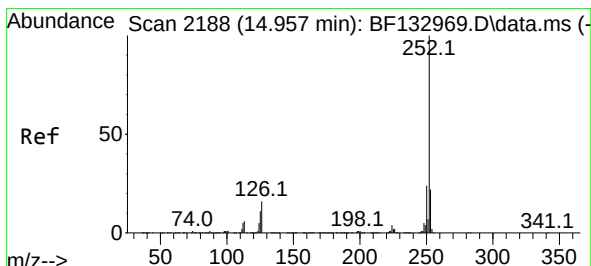
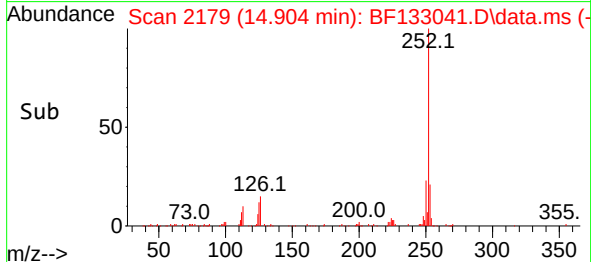
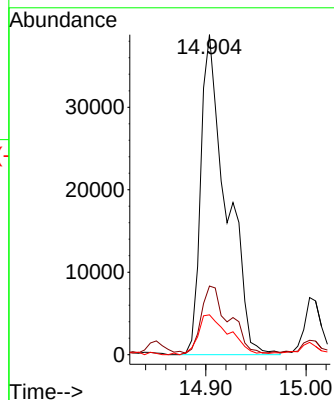
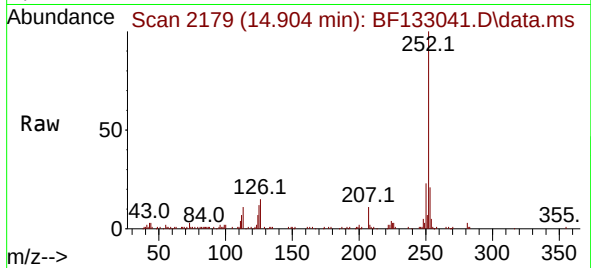




#88
Benzo(b)fluoranthene
Concen: 2.915 ng
RT: 14.904 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Instrument :
BNA_F
ClientSampleId :
S2S-TP2

Tgt Ion:252 Resp: 69240
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 12.5 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 2.941 ng
RT: 14.904 min Scan# 2179
Delta R.T. -0.035 min
Lab File: BF133041.D
Acq: 25 Apr 2023 22:29

Tgt Ion:252 Resp: 69240
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 12.5 9.0 13.4

