

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133031.D
 Acq On : 25 Apr 2023 14:43
 Operator : CG\JU
 Sample : 02483-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2S-TP1

Quant Time: Apr 25 15:14:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

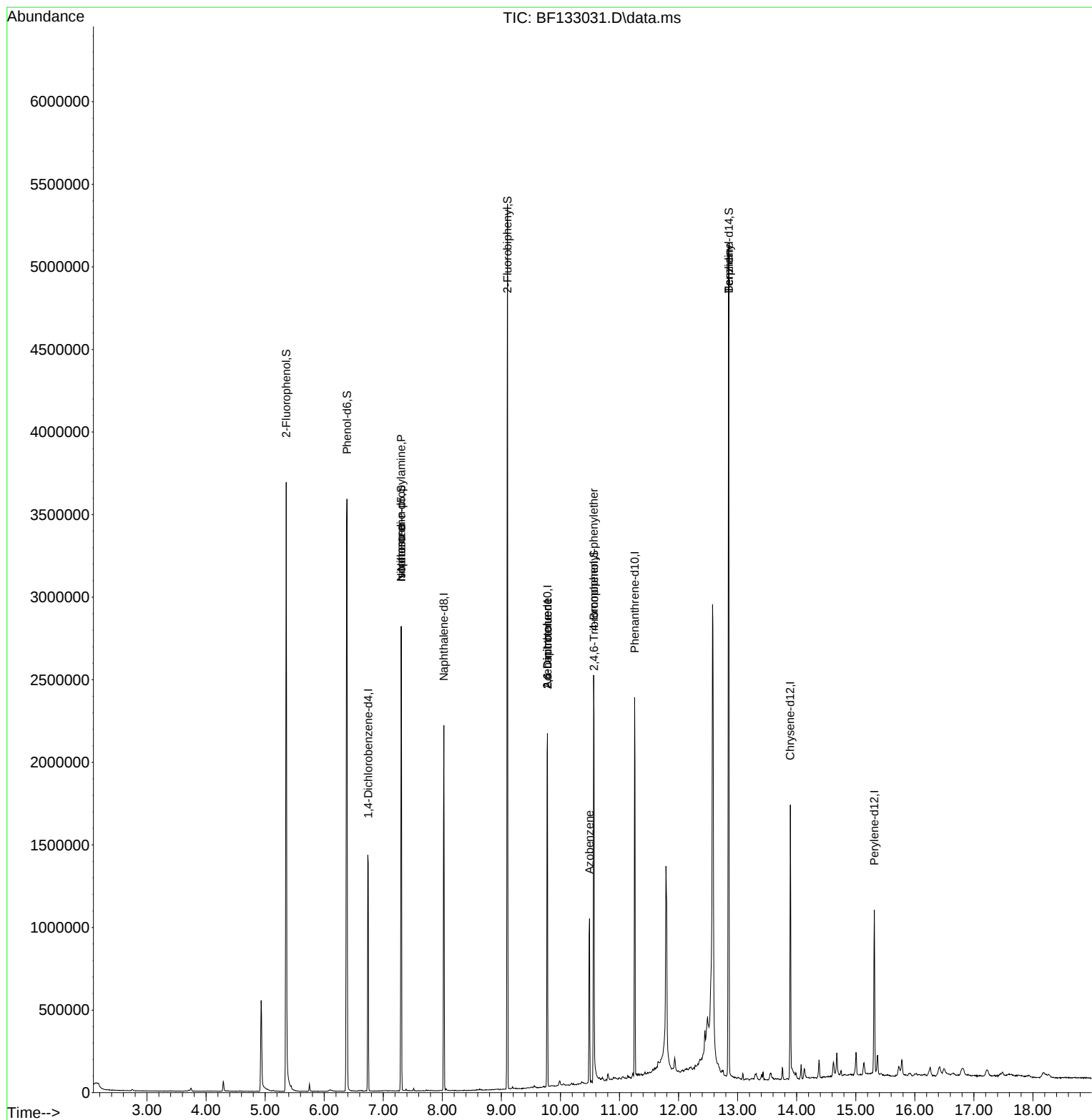
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	205705	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	837917	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	428873	20.000	ng	-0.01
64) Phenanthrene-d10	11.257	188	807476	20.000	ng	-0.01
76) Chrysene-d12	13.892	240	490488	20.000	ng	-0.02
86) Perylene-d12	15.315	264	393309	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1164534	85.518	ng	0.00
7) Phenol-d6	6.387	99	1403990	83.067	ng	0.00
23) Nitrobenzene-d5	7.304	82	849802	54.742	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	339707	78.761	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1483563	57.873	ng	-0.01
79) Terphenyl-d14	12.851	244	1805094	63.471	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.287	77	286	Below Cal	#	67
19) n-Nitroso-di-n-propyla...	7.304	70	112111	10.655	ng	# 78
25) Isophorone	7.304	82	847817	28.765	ng	# 63
51) 2,6-Dinitrotoluene	9.780	165	54993	8.170	ng	# 25
57) 2,4-Dinitrotoluene	9.780	165	54993	6.407	ng	# 23
63) Azobenzene	10.492	77	168865	5.643	ng	# 1
67) 4-Bromophenyl-phenylether	10.563	248	21352	2.438	ng	# 1
77) Benzidine	12.851	184	21244	2.561	ng	# 96

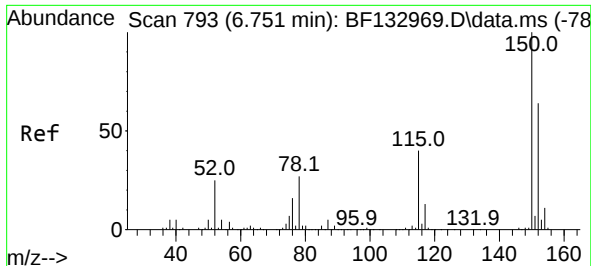
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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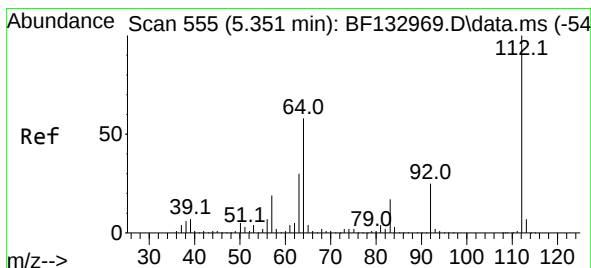
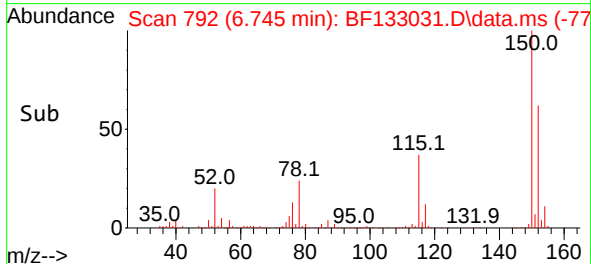
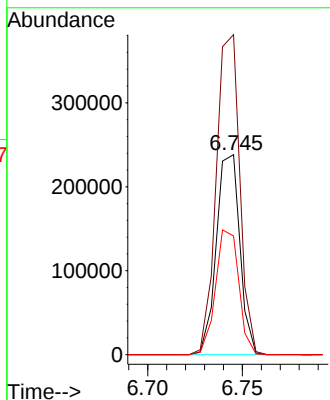
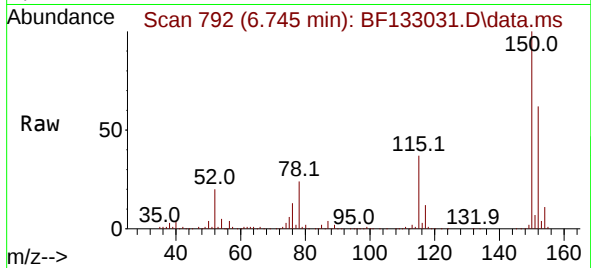




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

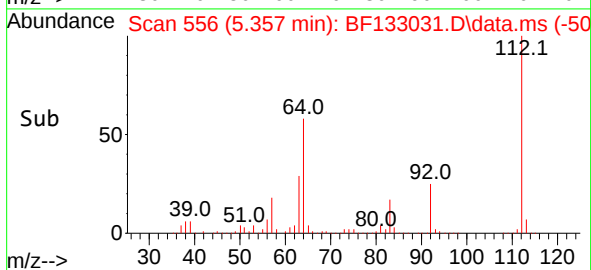
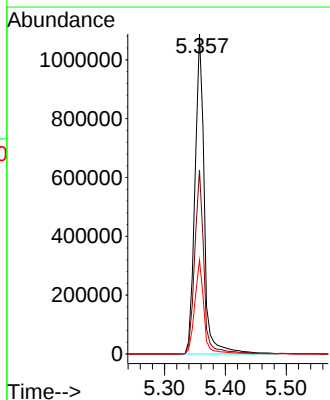
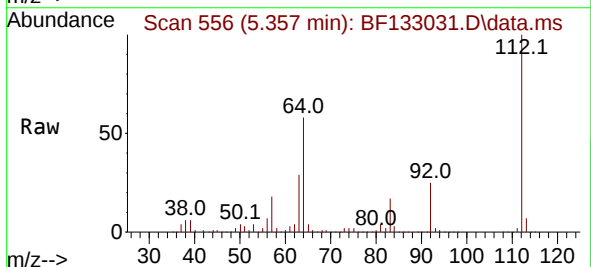
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

Tgt Ion:152 Resp: 205705
Ion Ratio Lower Upper
152 100
150 160.0 124.8 187.2
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 85.518 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion:112 Resp: 1164534
Ion Ratio Lower Upper
112 100
64 57.5 46.8 70.2
63 29.4 23.8 35.8

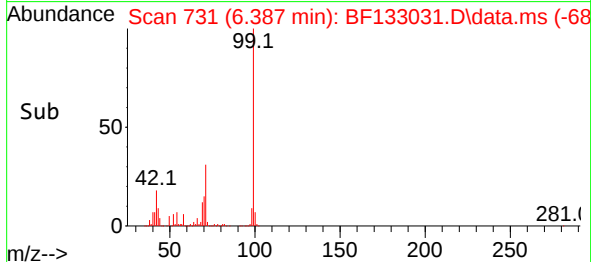
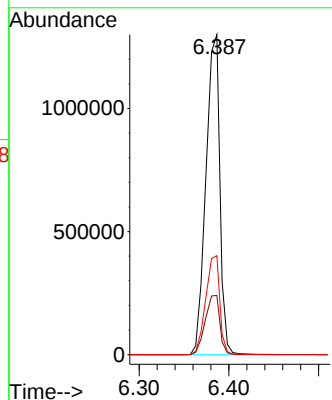
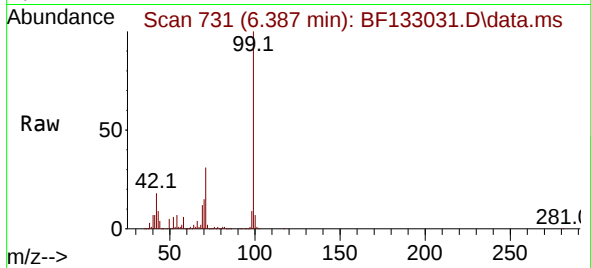




#7
Phenol-d6
Concen: 83.067 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

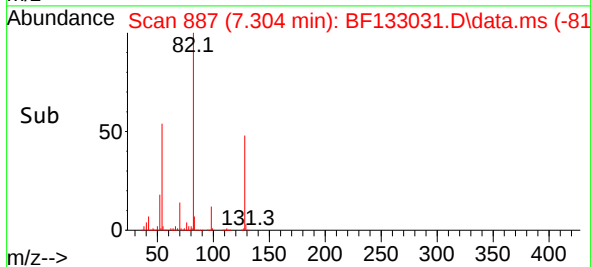
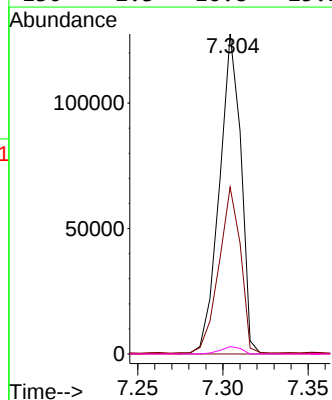
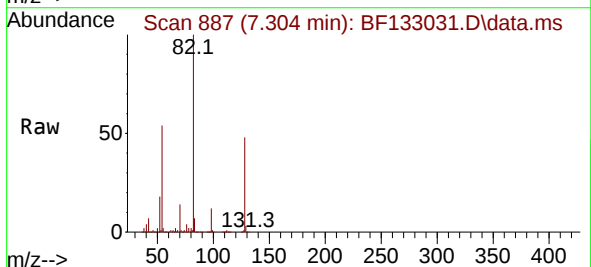
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

Tgt Ion: 99 Resp: 1403990
Ion Ratio Lower Upper
99 100
42 18.5 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.655 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.129 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion: 70 Resp: 112111
Ion Ratio Lower Upper
70 100
42 52.2 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

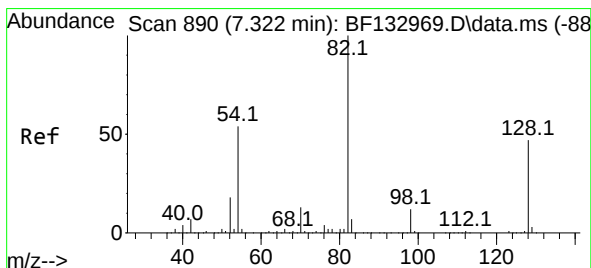
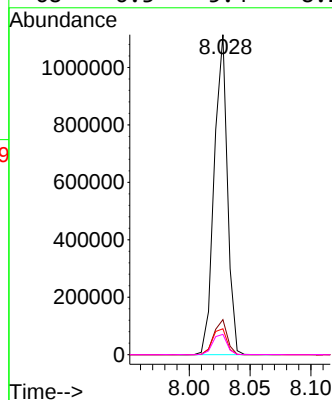
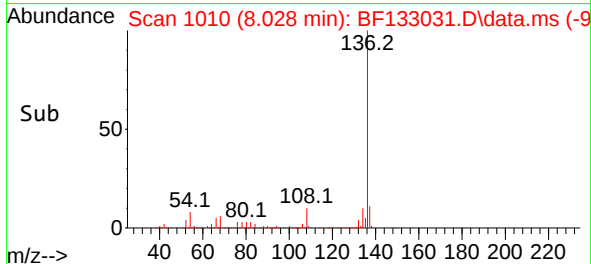
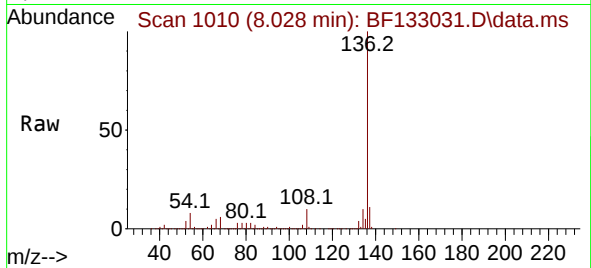




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

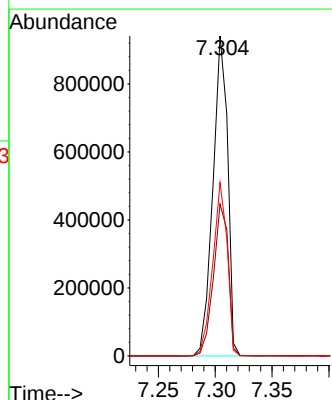
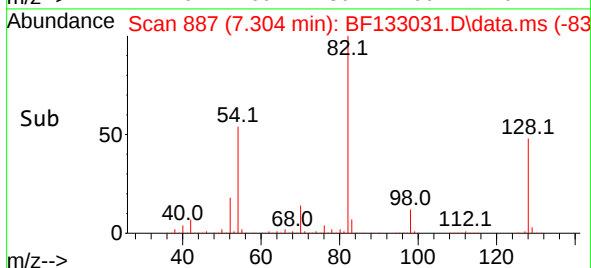
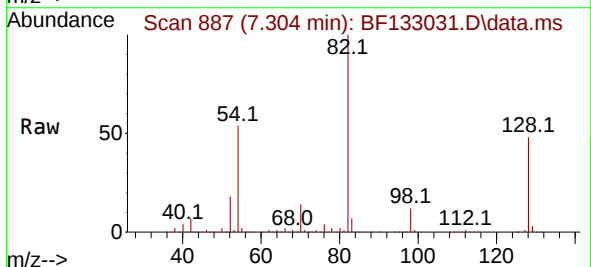
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

Tgt Ion:136 Resp: 837917
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 7.0 10.4
68 6.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 54.742 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.018 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion: 82 Resp: 849802
Ion Ratio Lower Upper
82 100
128 47.5 37.7 56.5
54 54.2 43.0 64.4

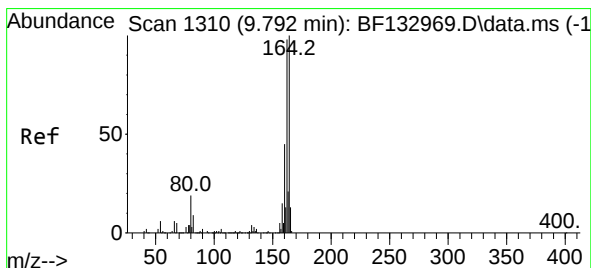
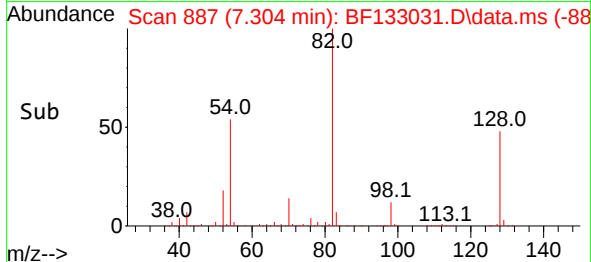
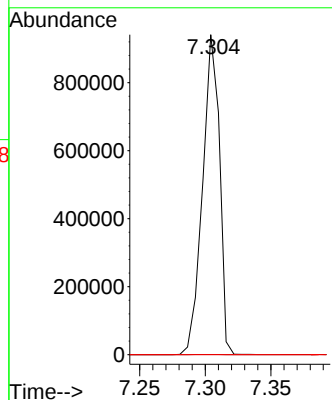
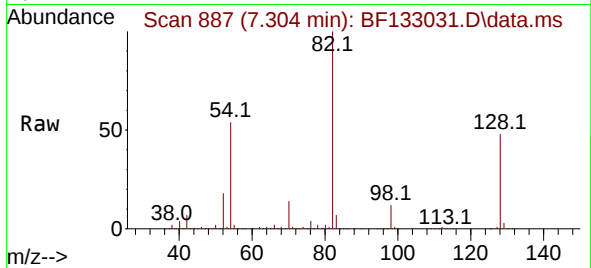




#25
Isophorone
Concen: 28.765 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

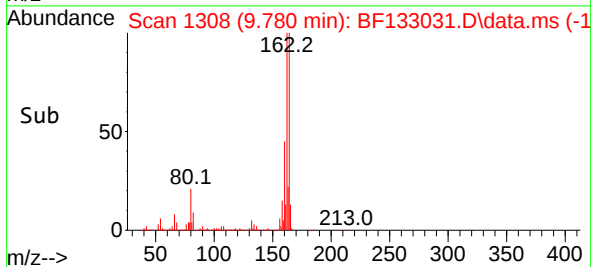
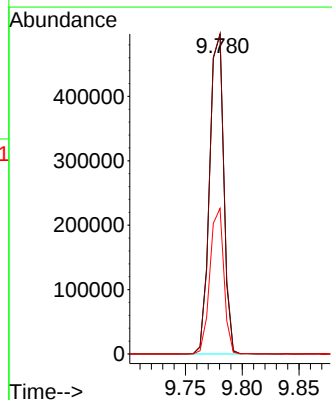
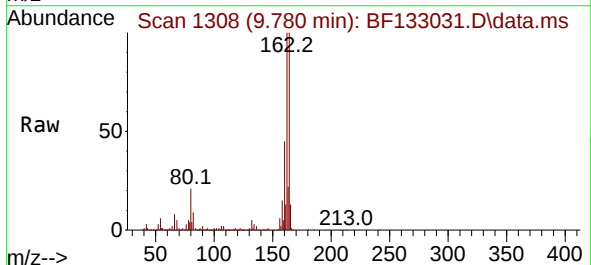
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

Tgt Ion: 82 Resp: 847817
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: 9.780 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion:164 Resp: 428873
Ion Ratio Lower Upper
164 100
162 100.1 78.7 118.1
160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 78.761 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF133031.D

Acq: 25 Apr 2023 14:43

Instrument :

BNA_F

ClientSampleId :

S2S-TP1

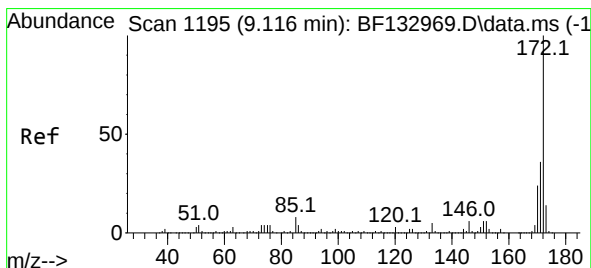
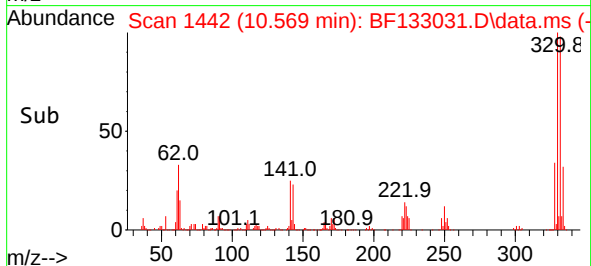
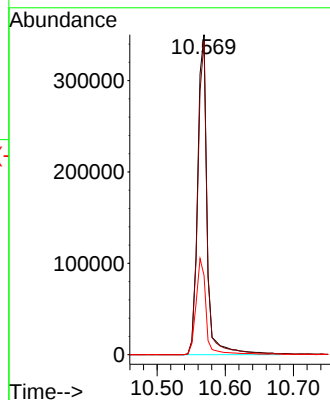
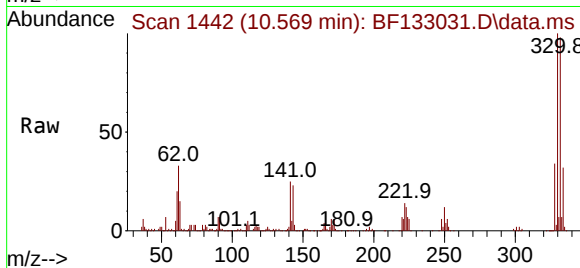
Tgt Ion:330 Resp: 339707

Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

141 31.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 57.873 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF133031.D

Acq: 25 Apr 2023 14:43

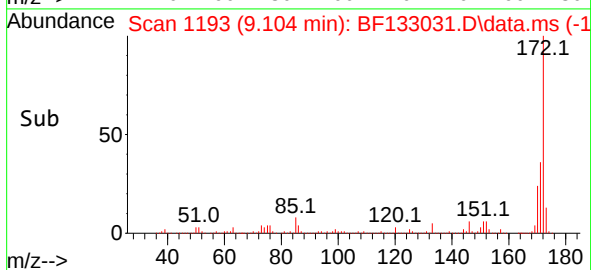
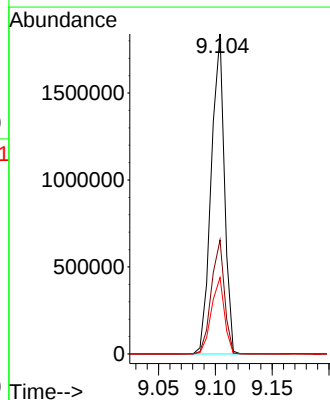
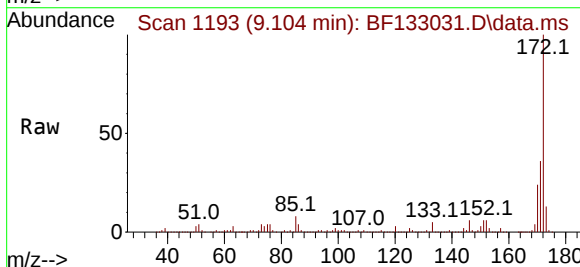
Tgt Ion:172 Resp: 1483563

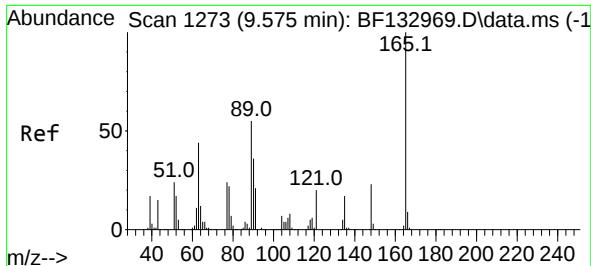
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.9 19.4 29.2

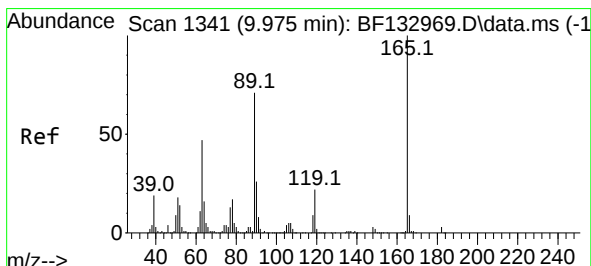
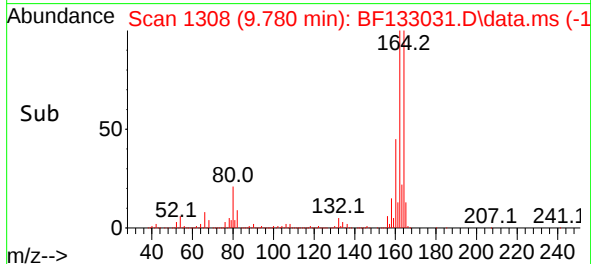
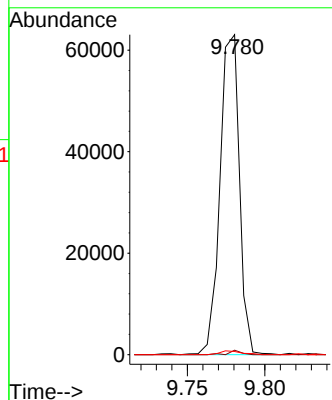
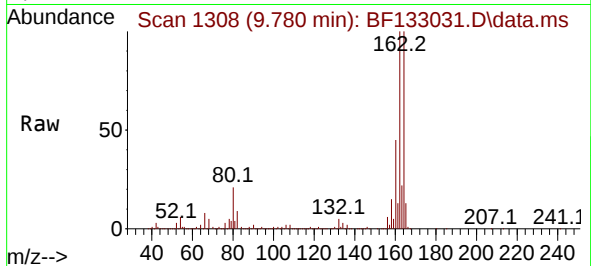




#51
2,6-Dinitrotoluene
Concen: 8.170 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

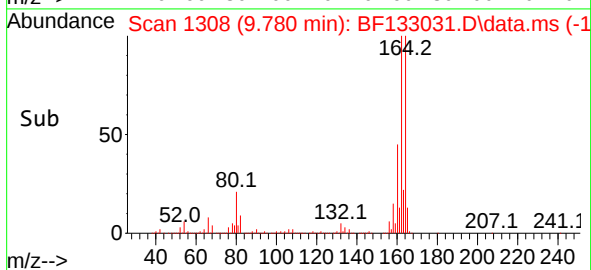
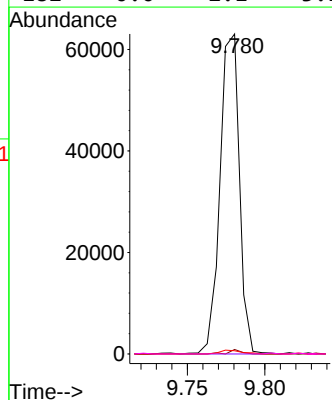
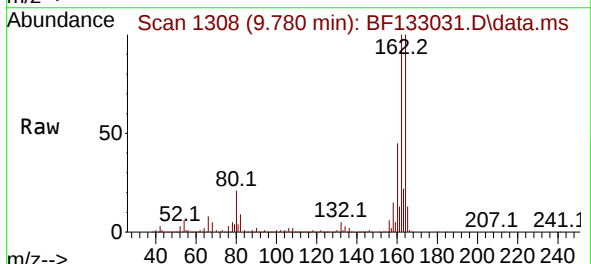
Instrument :
BNA_F
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S2S-TP1

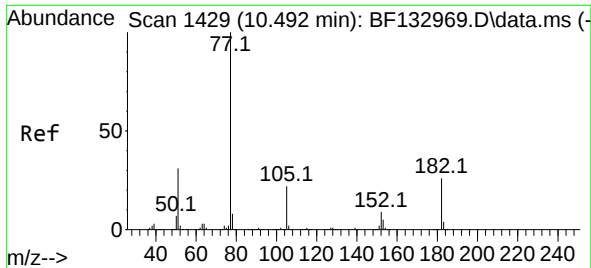
Tgt Ion:165 Resp: 54993
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 1.0 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.407 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion:165 Resp: 54993
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#

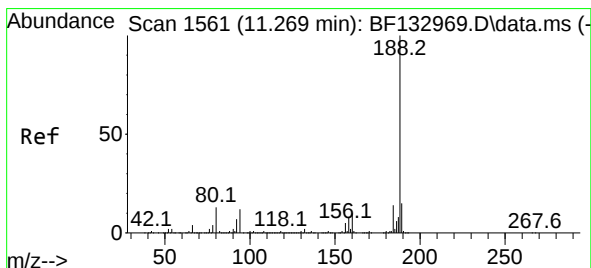
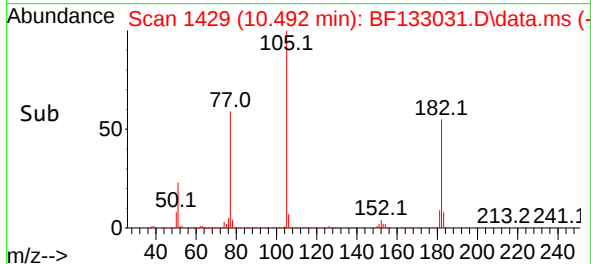
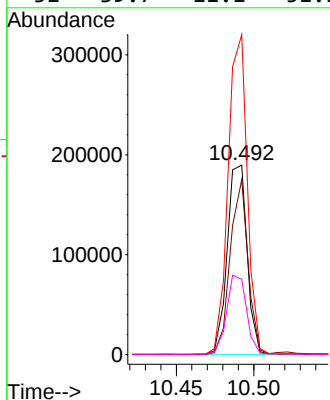
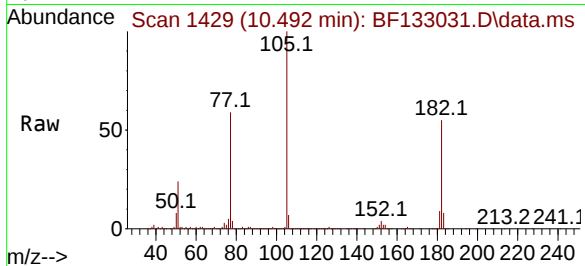




#63
Azobenzene
Concen: 5.643 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

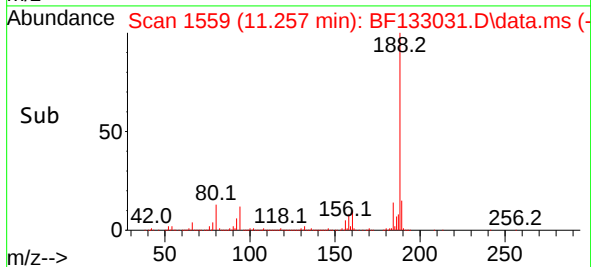
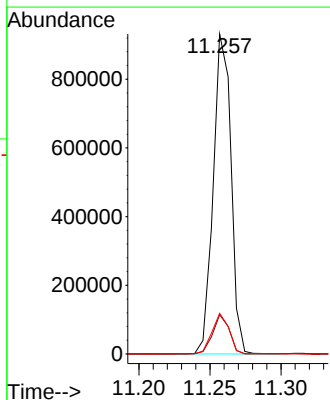
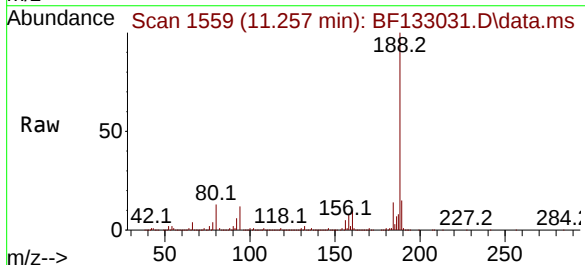
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

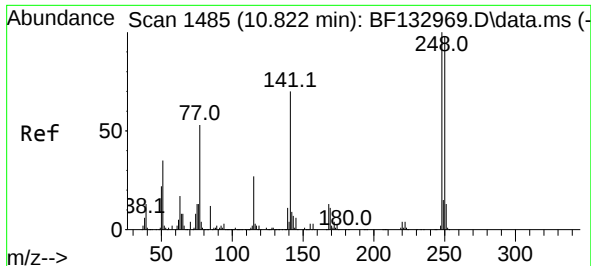
Tgt Ion: 77	Resp: 168865
Ion Ratio	Lower Upper
77 100	
182 92.3	5.9 45.9#
105 168.7	2.3 42.3#
51 39.7	11.1 51.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion:188	Resp: 807476
Ion Ratio	Lower Upper
188 100	
94 12.2	9.7 14.5
80 12.7	10.4 15.6

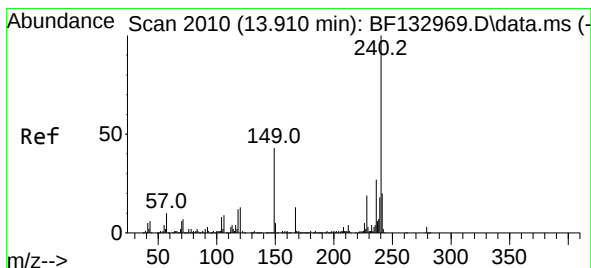
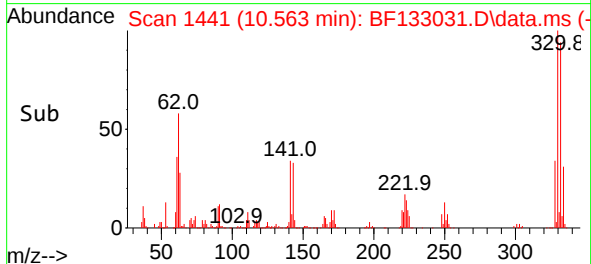
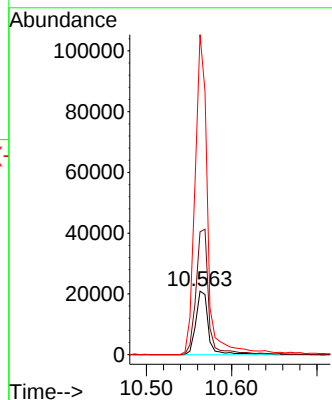
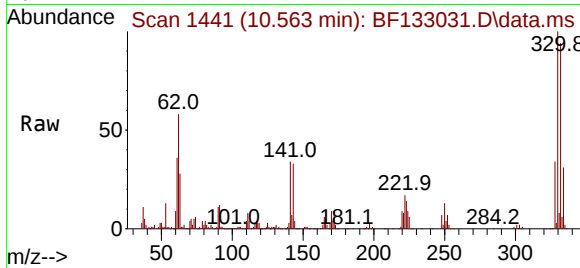




#67
4-Bromophenyl-phenylether
Concen: 2.438 ng
RT: 10.563 min Scan# 1485
Delta R.T. -0.259 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

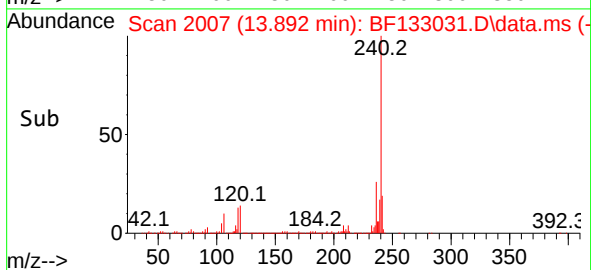
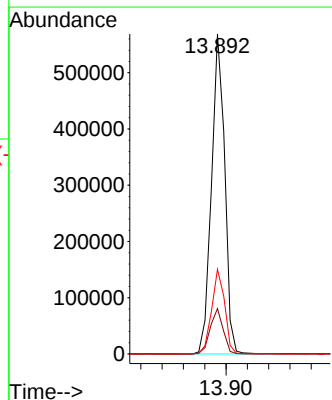
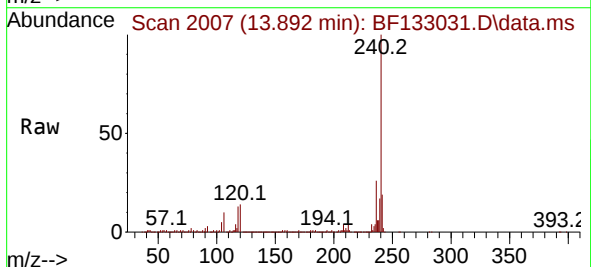
Instrument :
BNA_F
ClientSampleId :
S2S-TP1

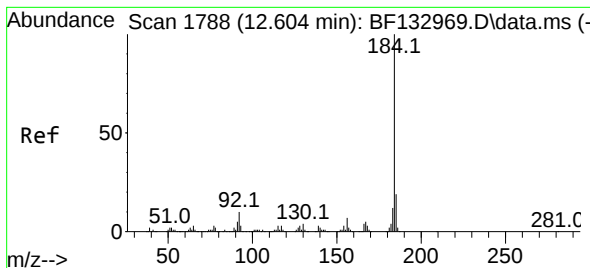
Tgt Ion:248 Resp: 21352
Ion Ratio Lower Upper
248 100
250 193.4 78.7 118.1#
141 503.2 56.3 84.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF133031.D
Acq: 25 Apr 2023 14:43

Tgt Ion:240 Resp: 490488
Ion Ratio Lower Upper
240 100
120 14.2 10.5 15.7
236 26.5 21.5 32.3





#77

Benzidine

Concen: 2.561 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.247 min

Lab File: BF133031.D

Acq: 25 Apr 2023 14:43

Instrument :

BNA_F

ClientSampleId :

S2S-TP1

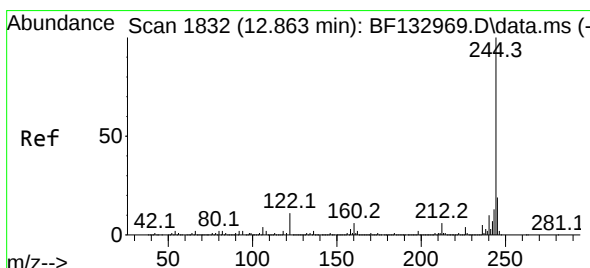
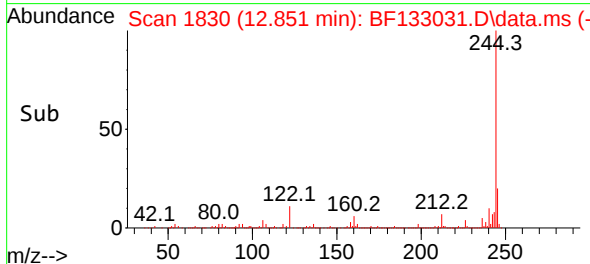
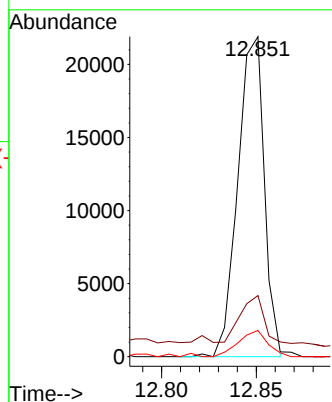
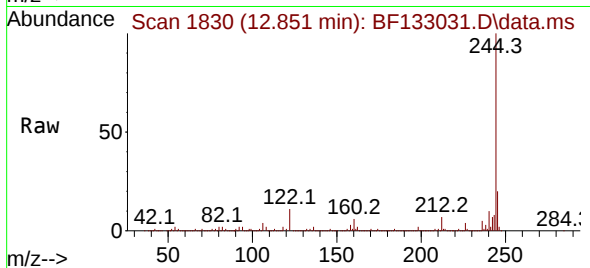
Tgt Ion:184 Resp: 21244

Ion Ratio Lower Upper

184 100

185 19.1 15.4 23.2

183 8.2 9.4 14.0#



#79

Terphenyl-d14

Concen: 63.471 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133031.D

Acq: 25 Apr 2023 14:43

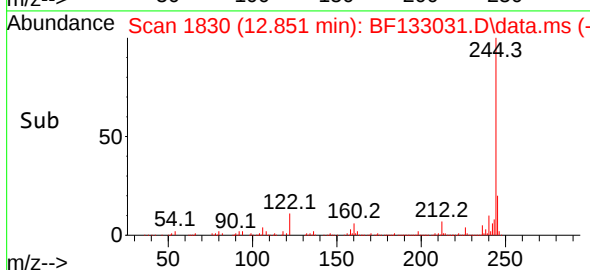
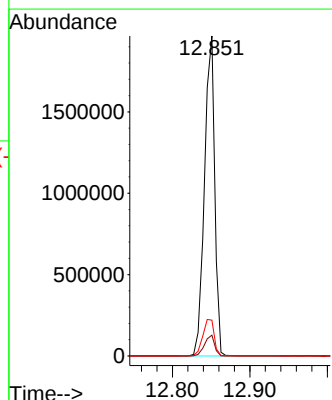
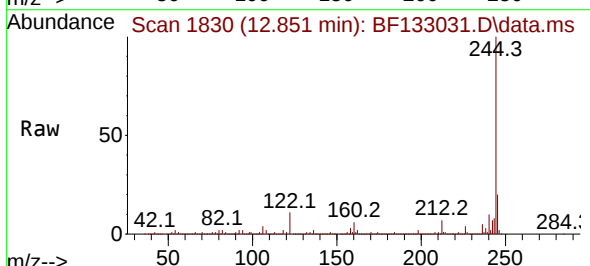
Tgt Ion:244 Resp: 1805094

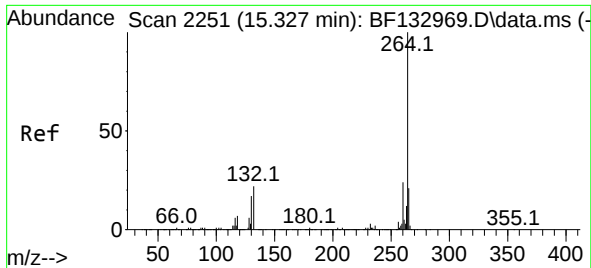
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

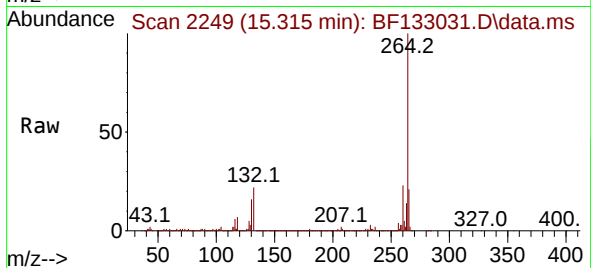
122 11.2 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.315 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133031.D
 Acq: 25 Apr 2023 14:43

Instrument :
 BNA_F
 ClientSampleId :
 S2S-TP1



Tgt Ion:264 Resp: 393309

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	20.9	17.0	25.4

