

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052623\
 Data File : BF133512.D
 Acq On : 26 May 2023 22:09
 Operator : CG\JU
 Sample : 02908-01RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB10A

Quant Time: May 27 01:12:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

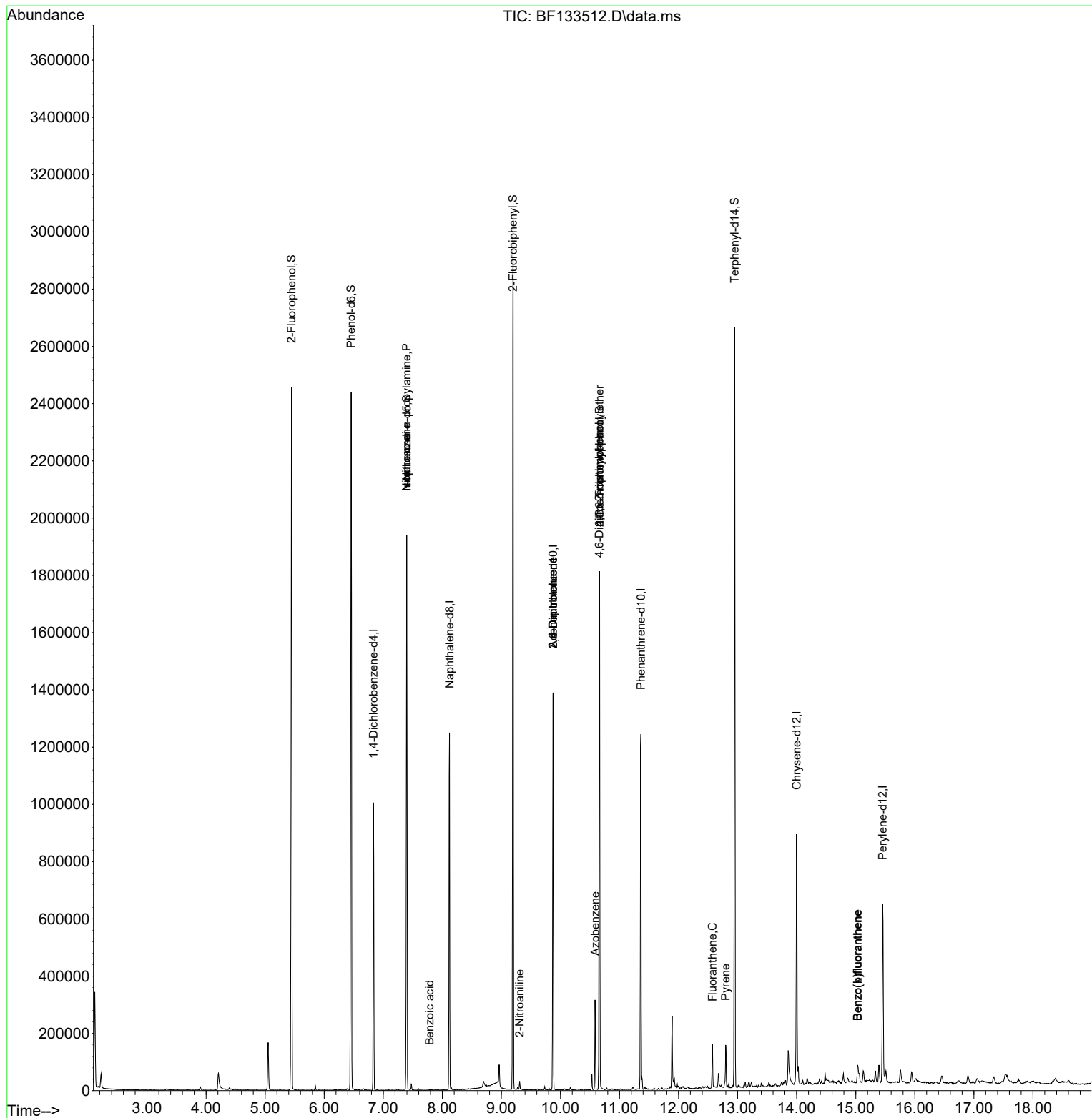
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	137516	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	512371	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	242140	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	463146	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	277710	20.000	ng	-0.01
86) Perylene-d12	15.457	264	271725	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	686951	83.347	ng	0.00
7) Phenol-d6	6.457	99	825645	81.376	ng	0.00
23) Nitrobenzene-d5	7.398	82	517105	67.385	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	213937	88.635	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	891135	56.802	ng	0.00
79) Terphenyl-d14	12.951	244	862960	55.249	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	234	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.398	70	71840	10.943	ng	# 77
25) Isophorone	7.398	82	517100	28.913	ng	# 65
32) Benzoic acid	7.786	122	226	7.387	ng	91
48) 2-Nitroaniline	9.310	65	338	4.058	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	31348	12.627	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	31348	11.780	ng	# 15
63) Azobenzene	10.586	77	47728	2.699	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.657	198	586	8.965	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	13461	2.737	ng	# 1
75) Fluoranthene	12.574	202	60546	2.337	ng	99
78) Pyrene	12.798	202	57665	2.440	ng	97
88) Benzo(b)fluoranthene	15.033	252	44106	2.493	ng	94
89) Benzo(k)fluoranthene	15.033	252	44106	2.556	ng	94

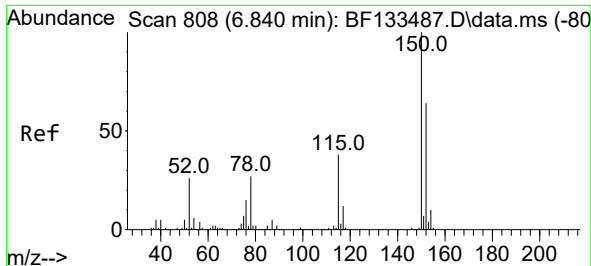
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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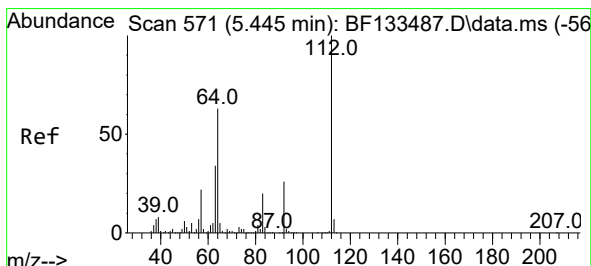
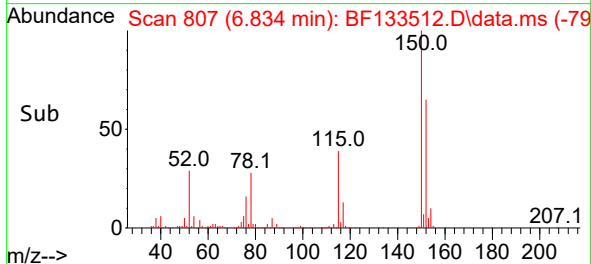
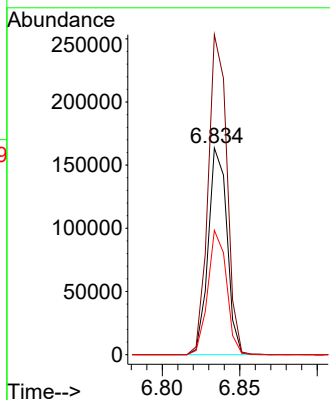
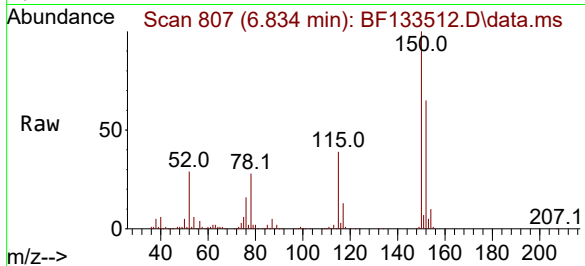




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

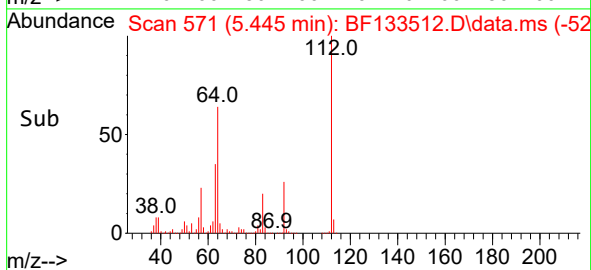
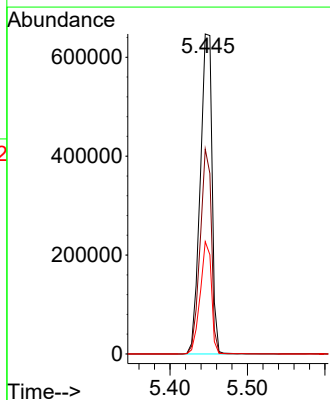
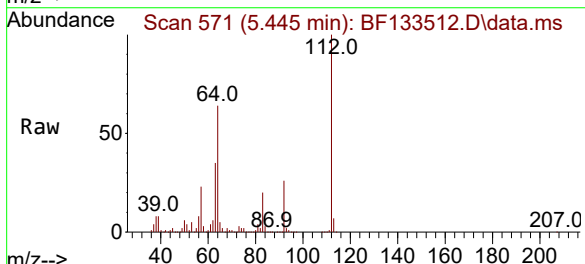
Instrument :
BNA_F
ClientSampleId :
SB10A

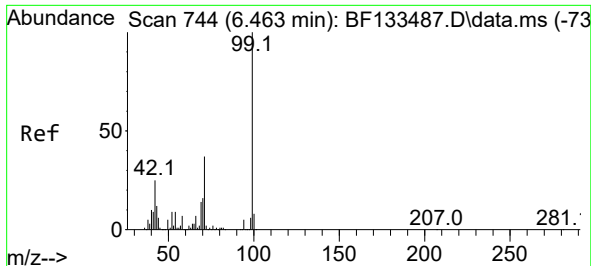
Tgt Ion:152 Resp: 137516
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 83.347 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion:112 Resp: 686951
Ion Ratio Lower Upper
112 100
64 64.1 50.1 75.1
63 35.1 27.5 41.3

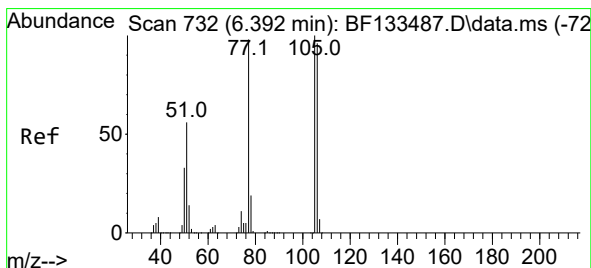
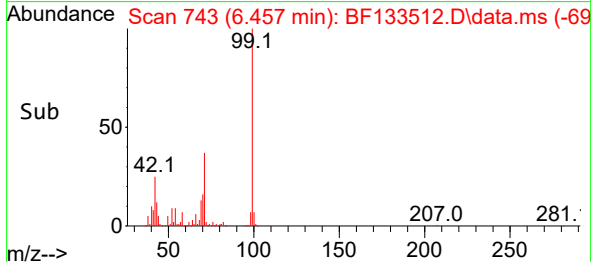
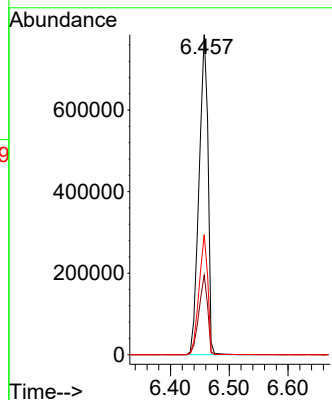
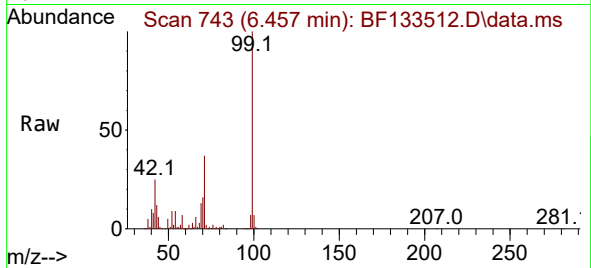




#7
Phenol-d6
Concen: 81.376 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

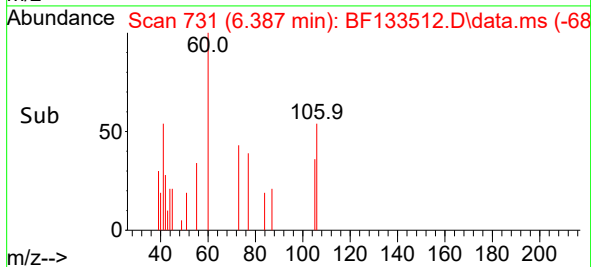
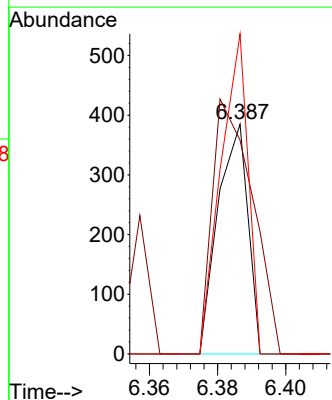
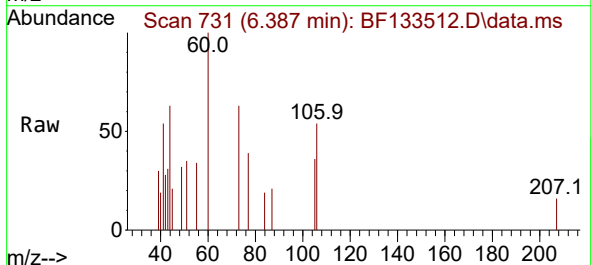
Instrument :
BNA_F
ClientSampleId :
SB10A

Tgt Ion: 99 Resp: 825645
Ion Ratio Lower Upper
99 100
42 24.9 19.7 29.5
71 37.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. -0.005 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion: 77 Resp: 234
Ion Ratio Lower Upper
77 100
105 93.0 81.9 121.9
106 139.2 77.8 117.8#

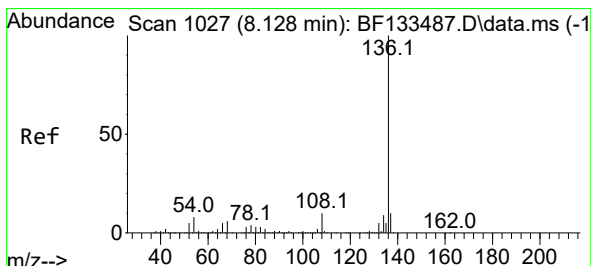
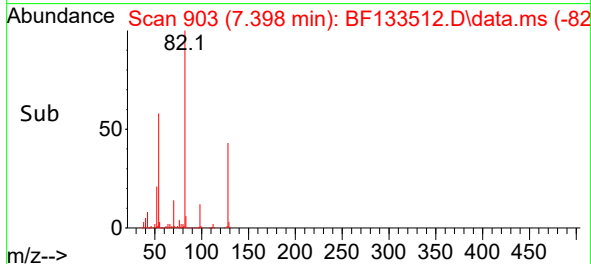
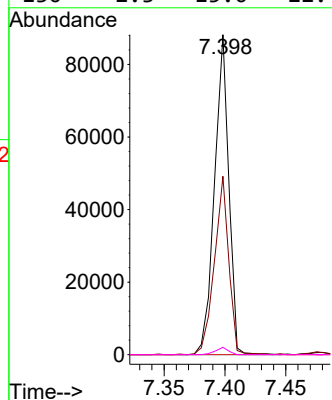
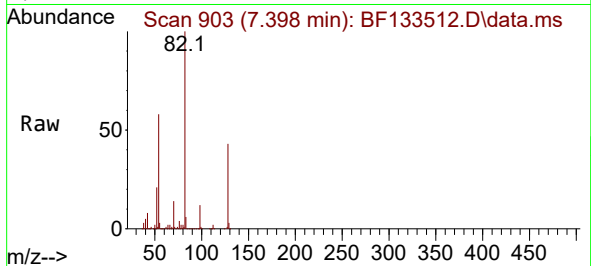




#19
n-Nitroso-di-n-propylamine
Concen: 10.943 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

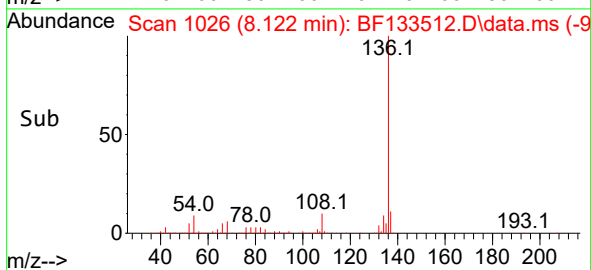
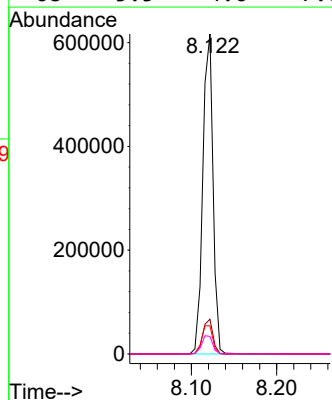
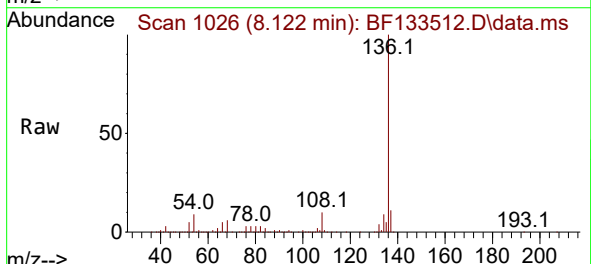
Instrument :
BNA_F
ClientSampleId :
SB10A

Tgt Ion: 70 Resp: 71840
Ion Ratio Lower Upper
70 100
42 55.7 57.2 85.8#
101 0.0 7.3 10.9#
130 2.3 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion: 136 Resp: 512371
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.8 6.6 10.0
68 5.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 67.385 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

Instrument :

BNA_F

ClientSampleId :

SB10A

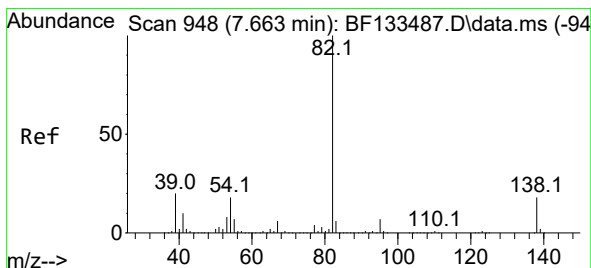
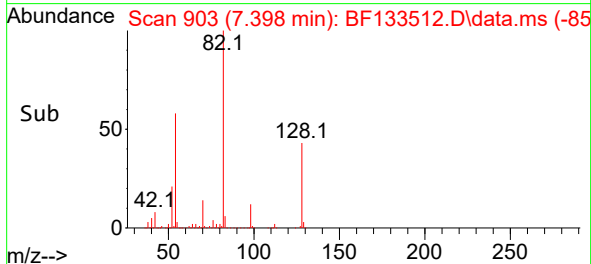
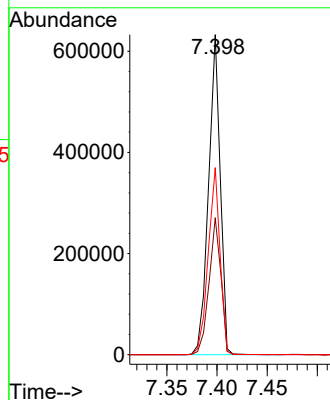
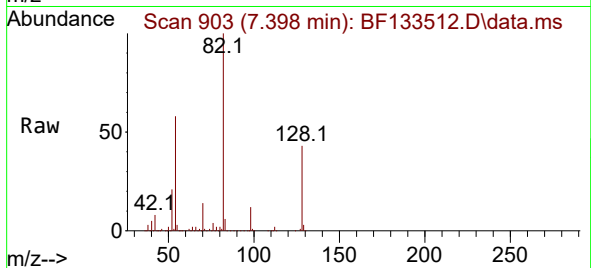
Tgt Ion: 82 Resp: 517105

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.4

54 58.5 48.2 72.4



#25

Isophorone

Concen: 28.913 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

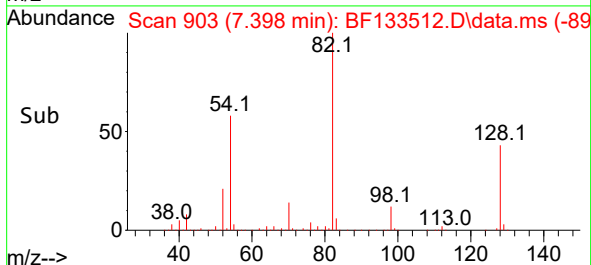
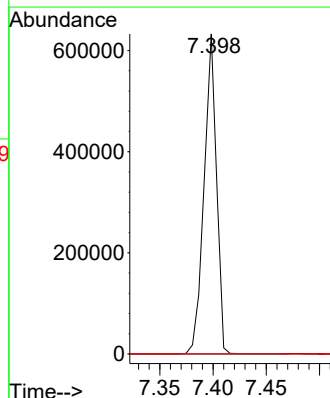
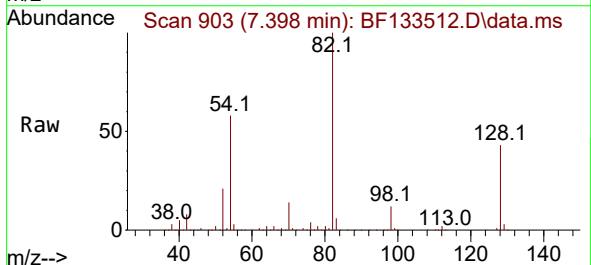
Tgt Ion: 82 Resp: 517100

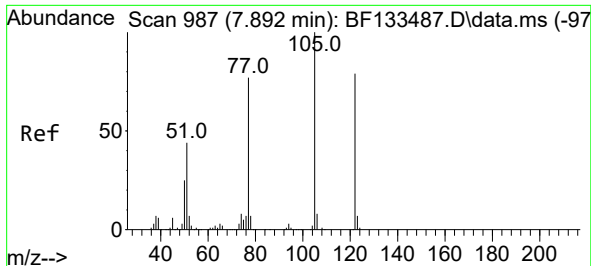
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

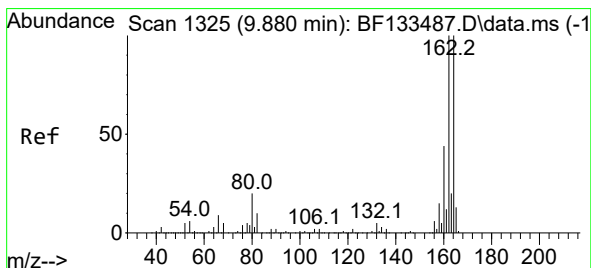
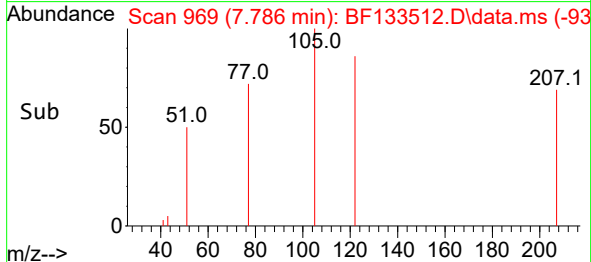
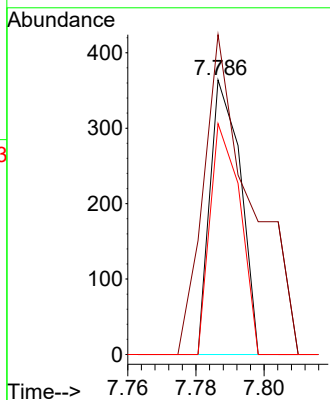
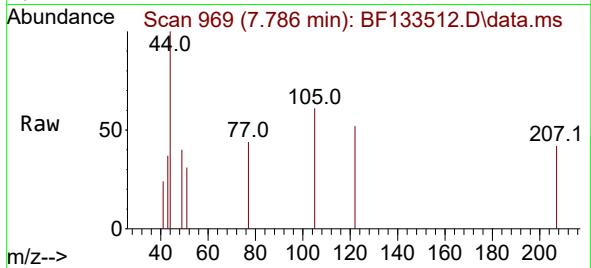




#32
Benzoic acid
Concen: 7.387 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.106 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

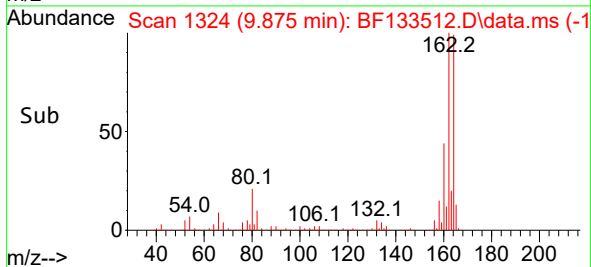
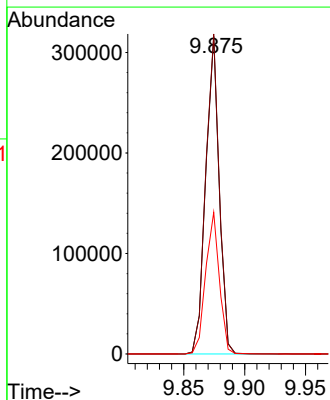
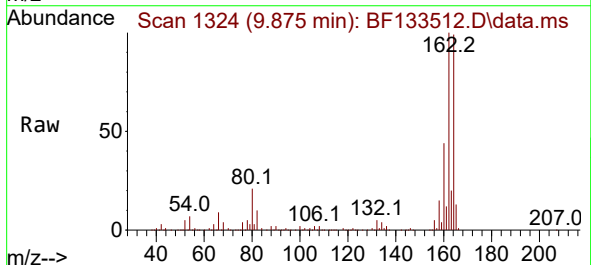
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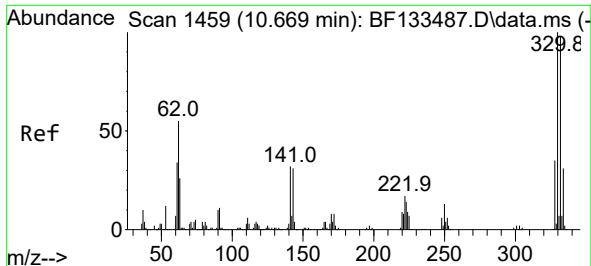
Tgt Ion:122 Resp: 226
Ion Ratio Lower Upper
122 100
105 116.5 103.3 143.3
77 84.1 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion:164 Resp: 242140
Ion Ratio Lower Upper
164 100
162 100.7 79.7 119.5
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 88.635 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

Instrument :

BNA_F

ClientSampleId :

SB10A

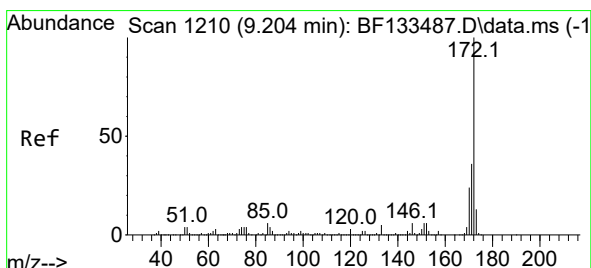
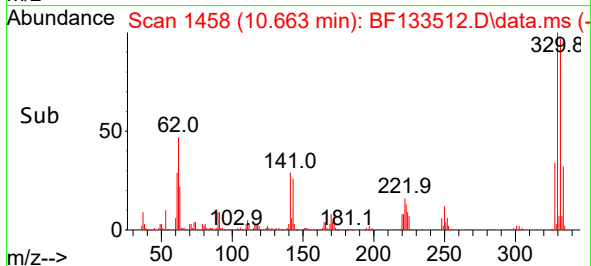
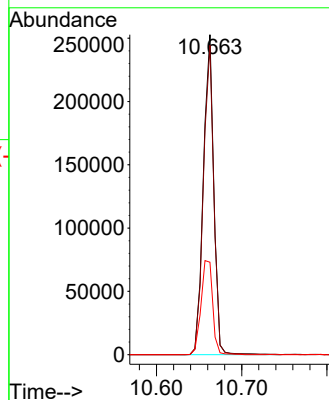
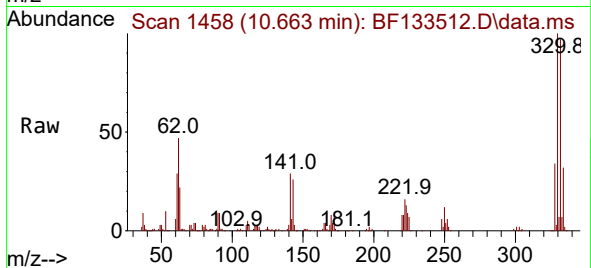
Tgt Ion:330 Resp: 213937

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

141 33.0 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 56.802 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

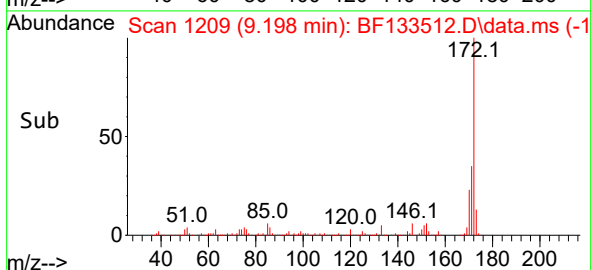
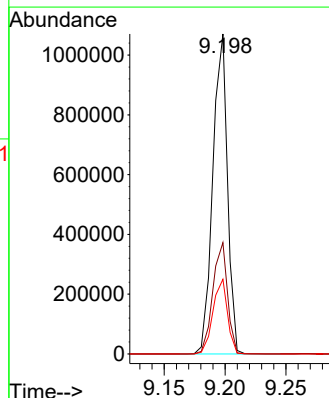
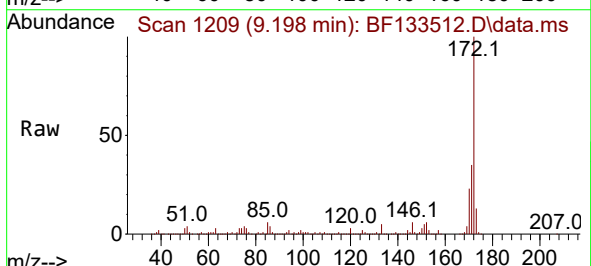
Tgt Ion:172 Resp: 891135

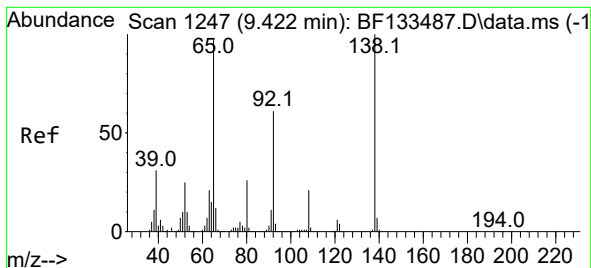
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.4 19.3 28.9





#48

2-Nitroaniline

Concen: 4.058 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.112 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

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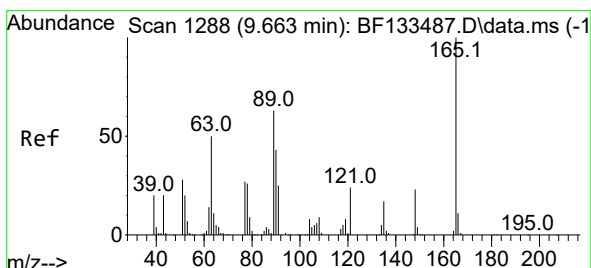
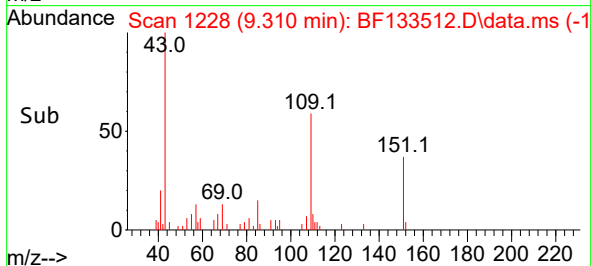
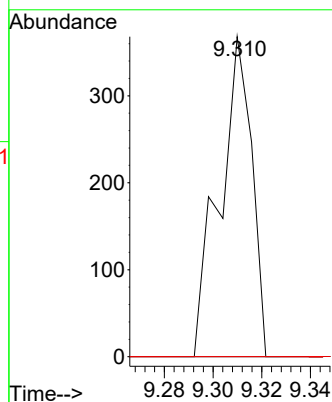
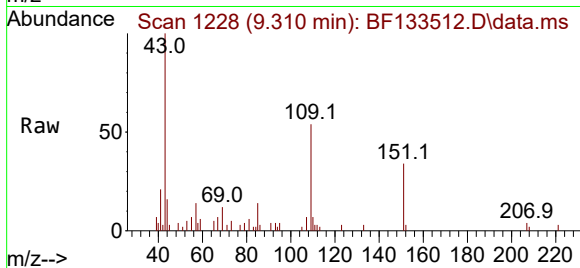
Tgt Ion: 65 Resp: 338

Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 12.627 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

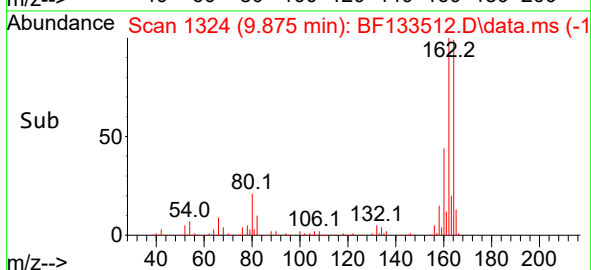
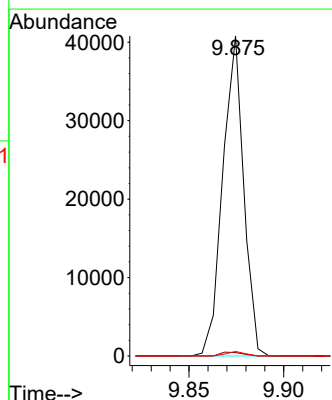
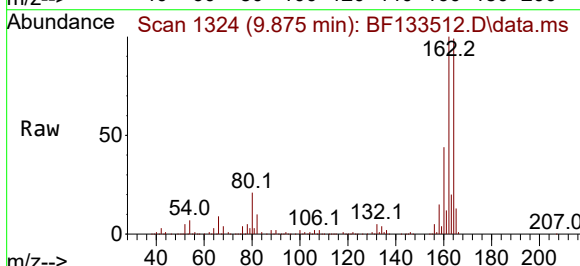
Tgt Ion: 165 Resp: 31348

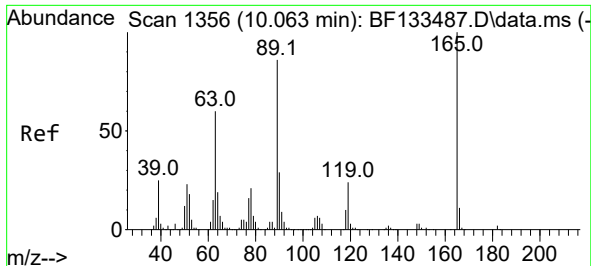
Ion Ratio Lower Upper

165 100

63 1.0 57.0 85.4#

89 1.4 50.8 76.2#

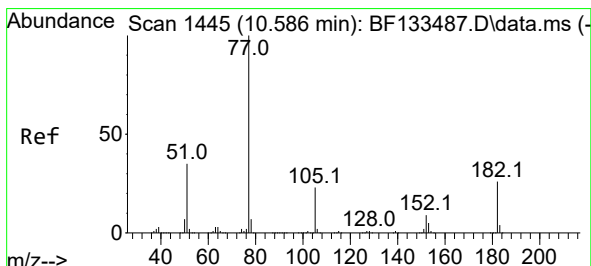
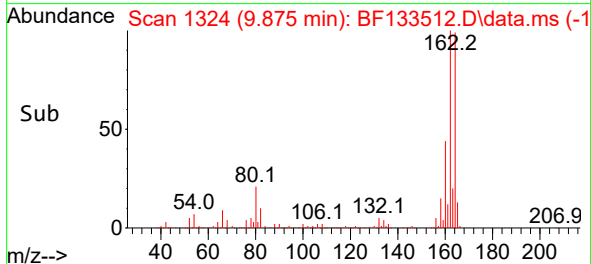
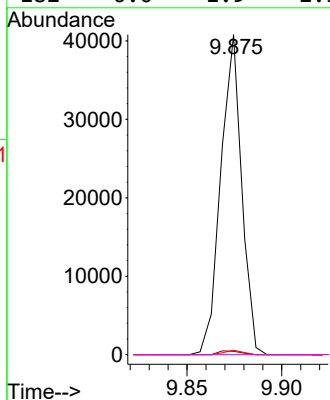
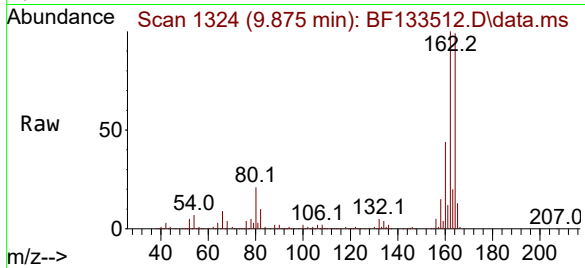




#57
2,4-Dinitrotoluene
Concen: 11.780 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

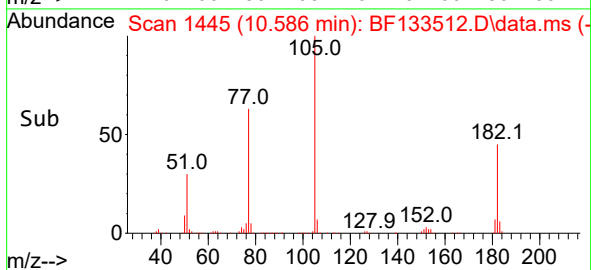
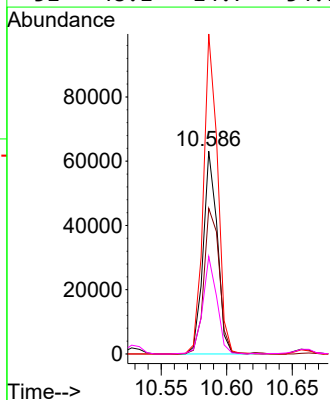
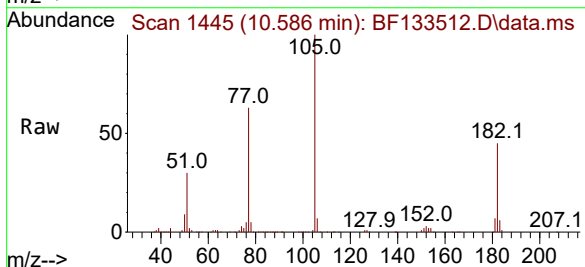
Instrument :
BNA_F
ClientSampleId :
SB10A

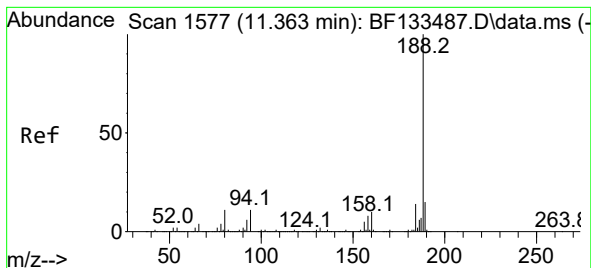
Tgt Ion:165 Resp: 31348
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.699 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion: 77 Resp: 47728
Ion Ratio Lower Upper
77 100
182 71.8 5.6 45.6#
105 157.9 2.6 42.6#
51 48.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

Instrument :

BNA_F

ClientSampleId :

SB10A

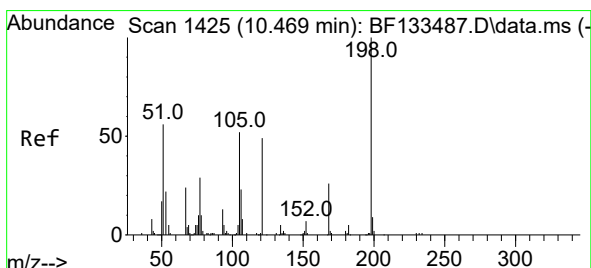
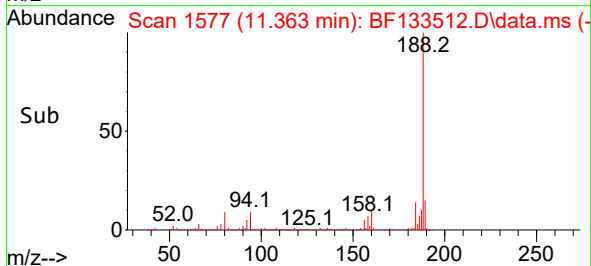
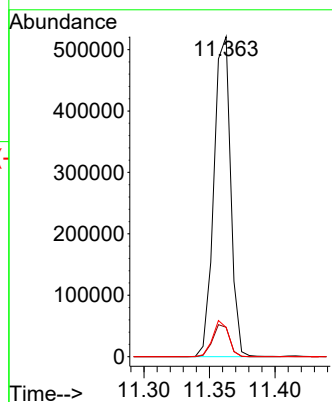
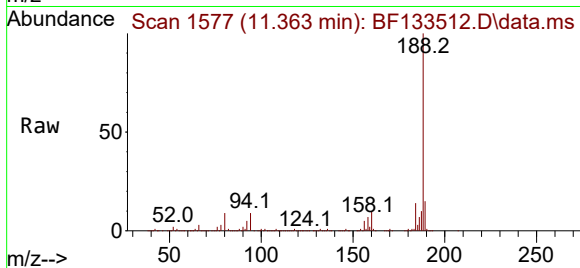
Tgt Ion:188 Resp: 463146

Ion Ratio Lower Upper

188 100

94 9.2 8.6 12.8

80 9.2 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.965 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133512.D

Acq: 26 May 2023 22:09

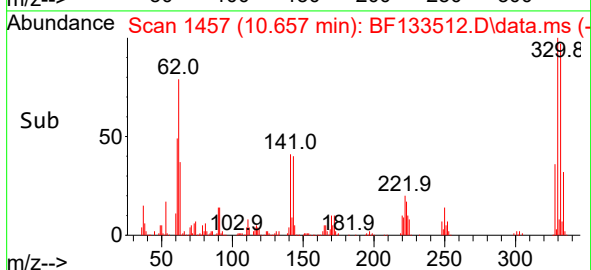
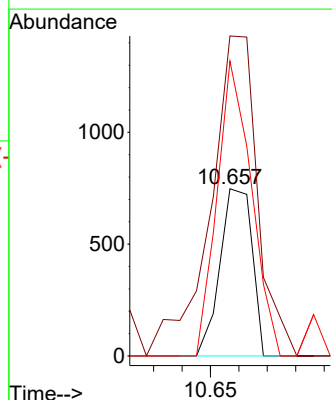
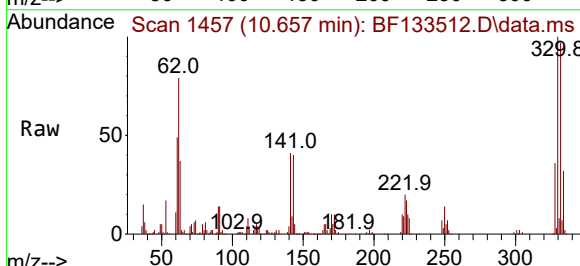
Tgt Ion:198 Resp: 586

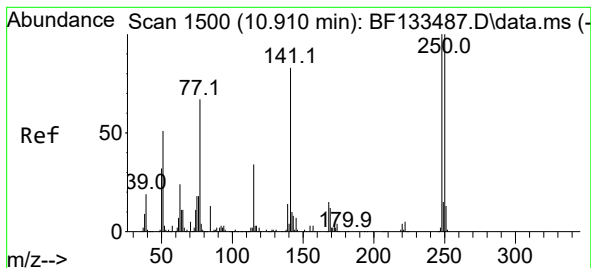
Ion Ratio Lower Upper

198 100

51 191.3 53.6 93.6#

105 176.3 35.9 75.9#

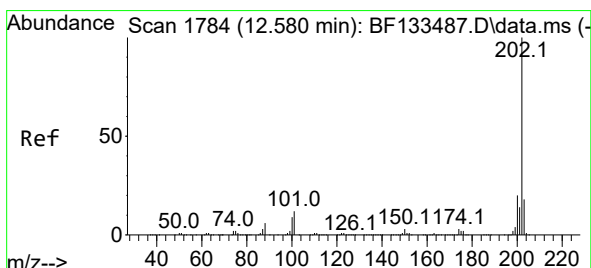
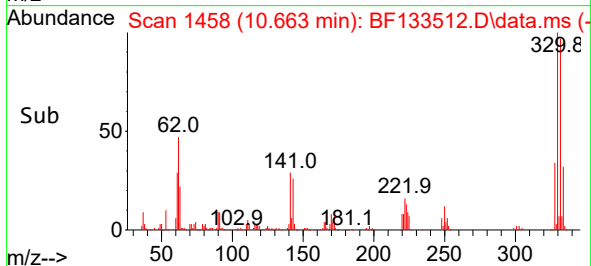
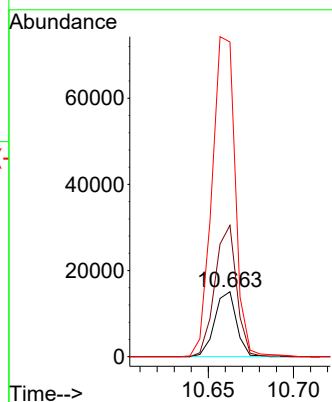
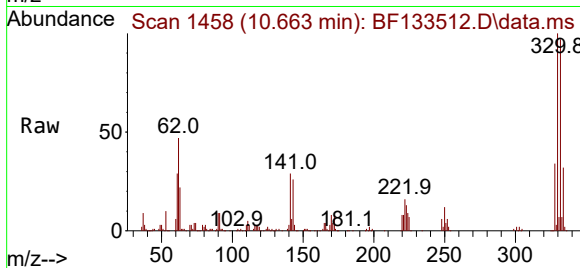




#67
4-Bromophenyl-phenylether
Concen: 2.737 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

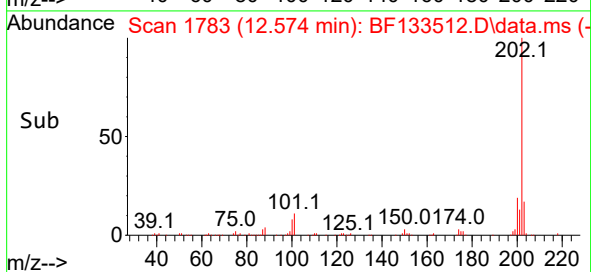
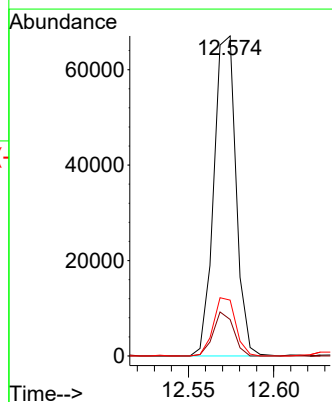
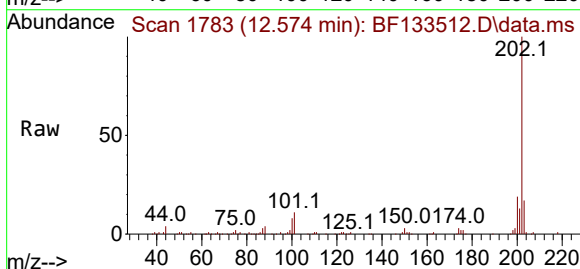
Instrument :
BNA_F
ClientSampleId :
SB10A

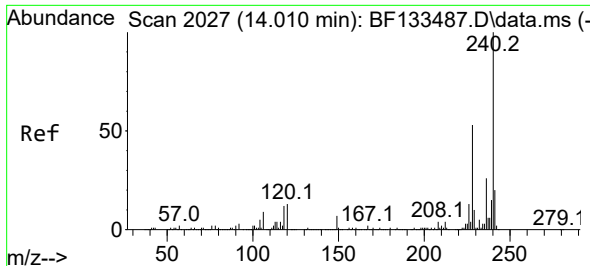
Tgt Ion:248 Resp: 13461
Ion Ratio Lower Upper
248 100
250 202.1 79.7 119.5#
141 484.4 66.6 100.0#



#75
Fluoranthene
Concen: 2.337 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion:202 Resp: 60546
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.5 0.0 37.8

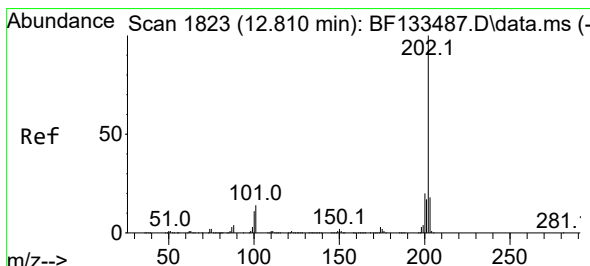
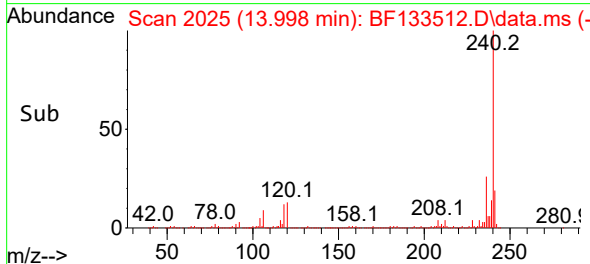
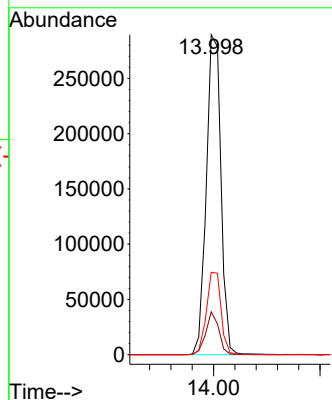
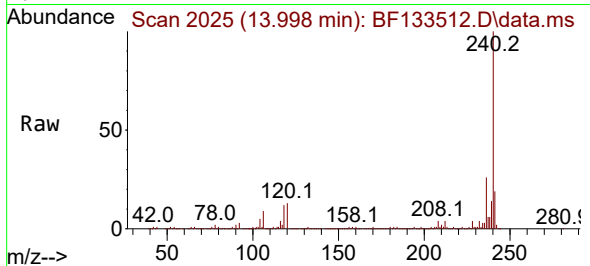




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

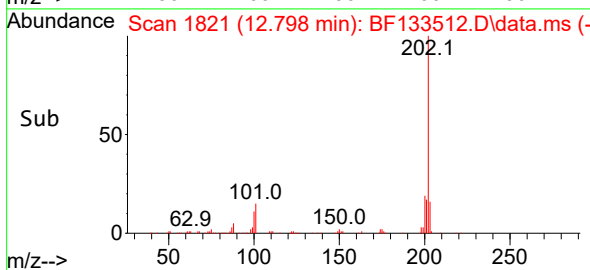
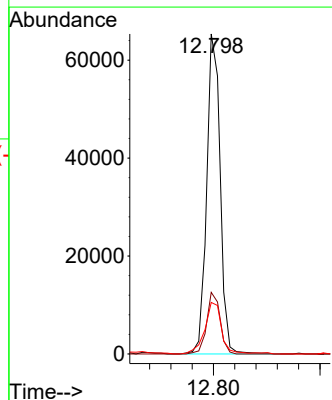
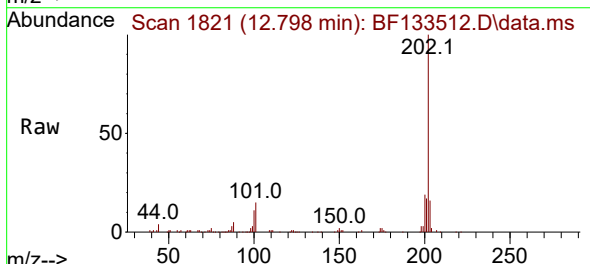
Instrument :
BNA_F
ClientSampleId :
SB10A

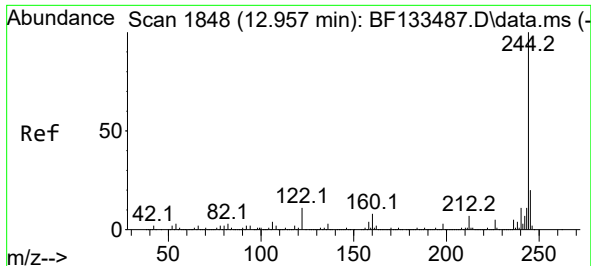
Tgt Ion:240 Resp: 277710
Ion Ratio Lower Upper
240 100
120 13.4 10.3 15.5
236 25.7 20.5 30.7



#78
Pyrene
Concen: 2.440 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

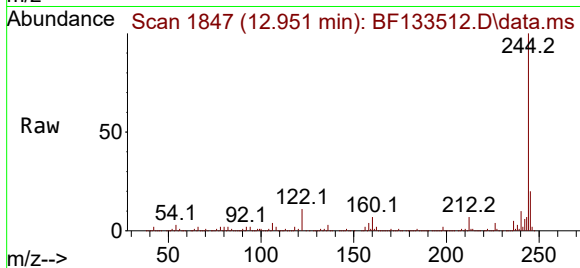
Tgt Ion:202 Resp: 57665
Ion Ratio Lower Upper
202 100
200 19.3 16.3 24.5
203 16.1 14.3 21.5



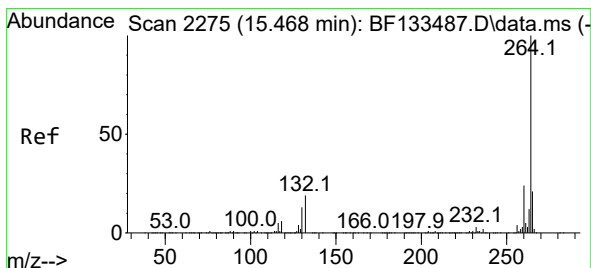
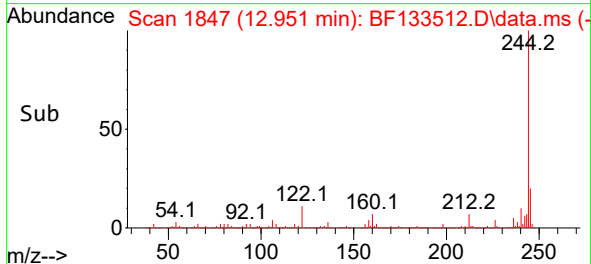
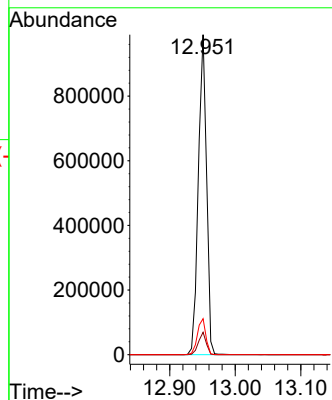


#79
Terphenyl-d14
Concen: 55.249 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Instrument :
BNA_F
ClientSampleId :
SB10A

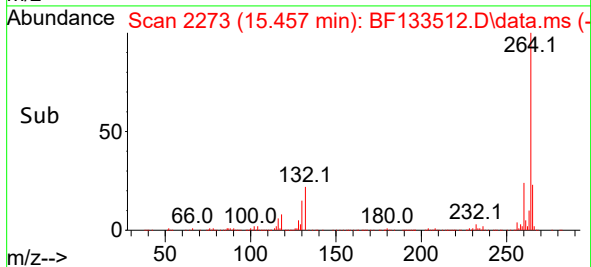
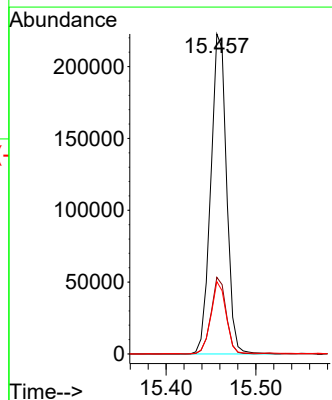
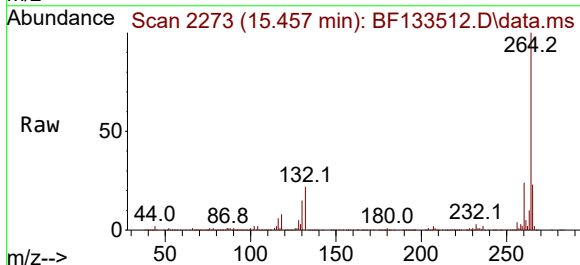


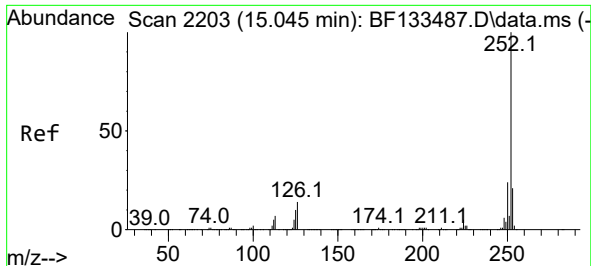
Tgt Ion:244 Resp: 862960
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 11.2 8.5 12.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.012 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion:264 Resp: 271725
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.6 16.8 25.2

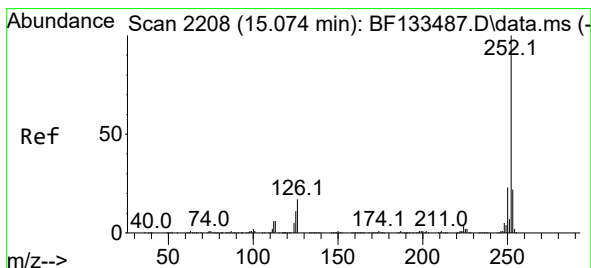
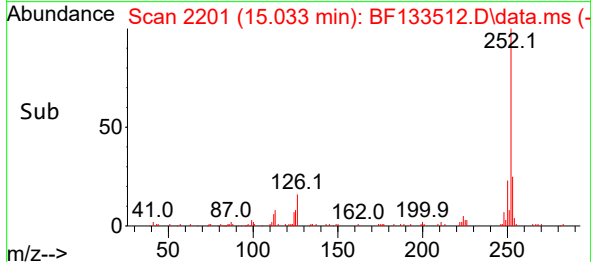
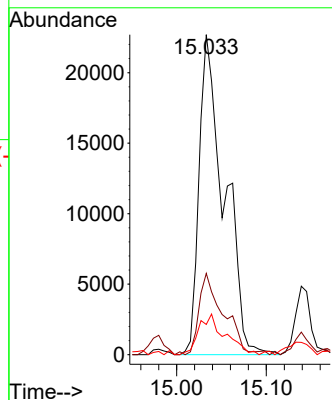
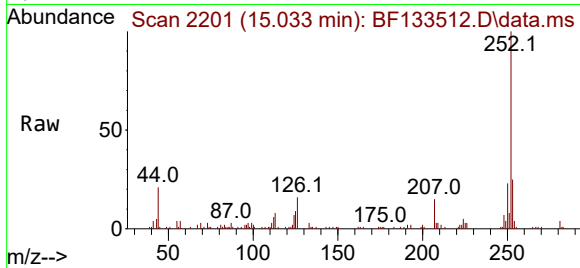




#88
Benzo(b)fluoranthene
Concen: 2.493 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Instrument :
BNA_F
ClientSampleId :
SB10A

Tgt Ion:252 Resp: 44106
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 9.5 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 2.556 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.041 min
Lab File: BF133512.D
Acq: 26 May 2023 22:09

Tgt Ion:252 Resp: 44106
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 9.5 8.3 12.5

