

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133212.D
 Acq On : 03 May 2023 17:45
 Operator : CG\JU
 Sample : 02588-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-6-9-05022023

Quant Time: May 04 01:39:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

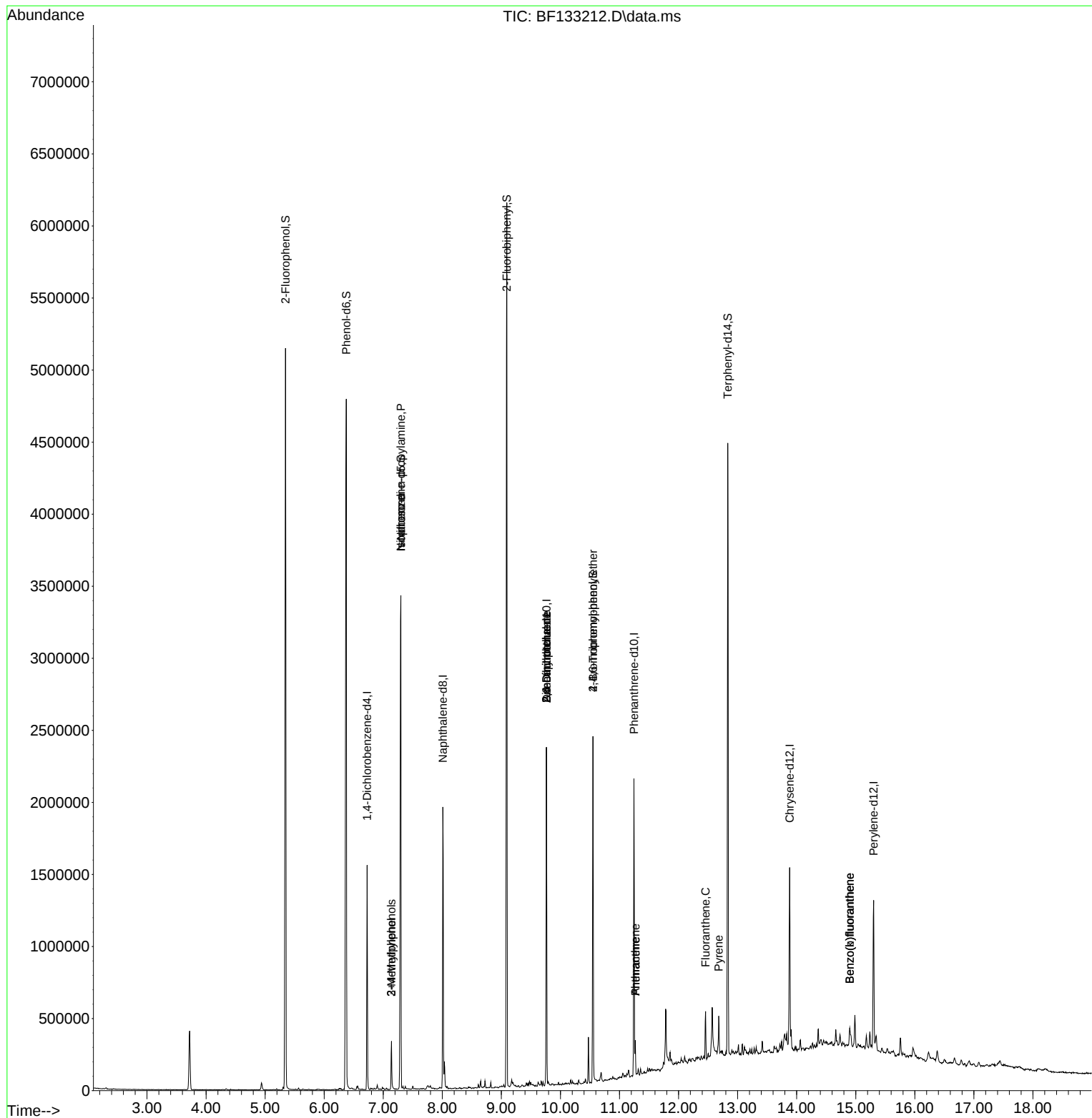
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	193391	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	806298	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	417433	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	675687	20.000	ng	0.00
76) Chrysene-d12	13.880	240	368992	20.000	ng	-0.01
86) Perylene-d12	15.304	264	437982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1587840	124.029	ng	0.00
7) Phenol-d6	6.375	99	1907823	120.063	ng	0.00
23) Nitrobenzene-d5	7.298	82	1174595	78.632	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	257325	61.296	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1874152	75.113	ng	0.00
79) Terphenyl-d14	12.833	244	1541654	72.057	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	2344	Below Cal	#	81
17) 2-Methylphenol	7.139	107	80910	6.798	ng	# 70
19) n-Nitroso-di-n-propyla...	7.298	70	155678	15.737	ng	# 75
20) 3+4-Methylphenols	7.139	107	80910	5.772	ng	# 56
25) Isophorone	7.298	82	1173481	41.375	ng	# 63
50) Dimethylphthalate	9.763	163	82551	2.836	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	55382	8.454	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	55382	6.629	ng	# 23
67) 4-Bromophenyl-phenylether	10.551	248	16325	2.228	ng	# 1
71) Phenanthrene	11.269	178	76563	2.108	ng	99
72) Anthracene	11.269	178	76563	2.060	ng	98
75) Fluoranthene	12.457	202	122587	3.363	ng	96
78) Pyrene	12.680	202	105244	3.327	ng	99
88) Benzo(b)fluoranthene	14.898	252	91372	3.279	ng	# 91
89) Benzo(k)fluoranthene	14.898	252	91372	3.308	ng	# 91

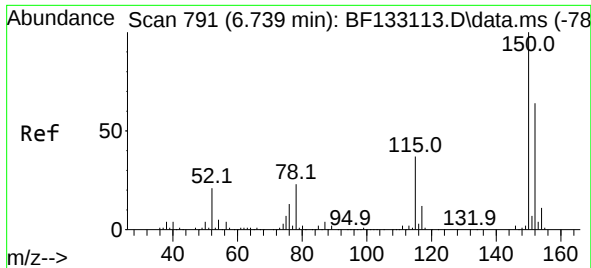
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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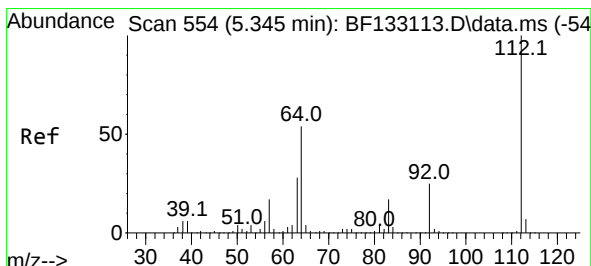
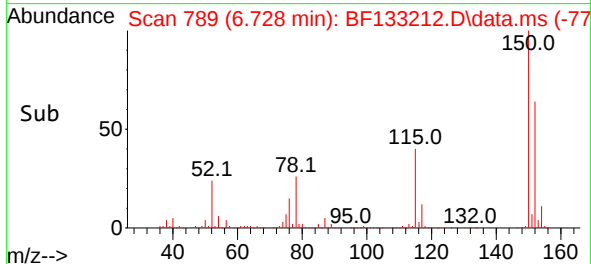
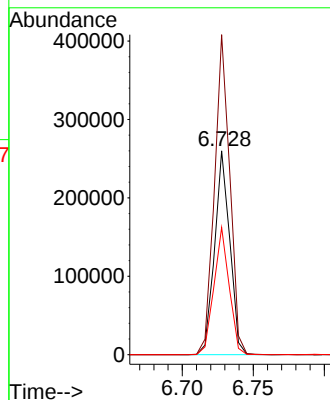
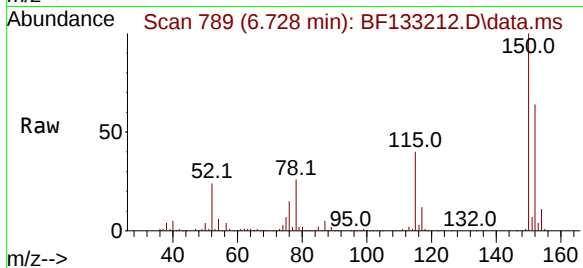




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

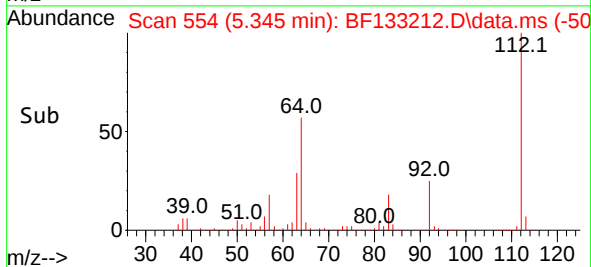
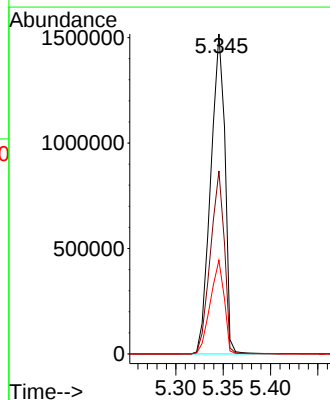
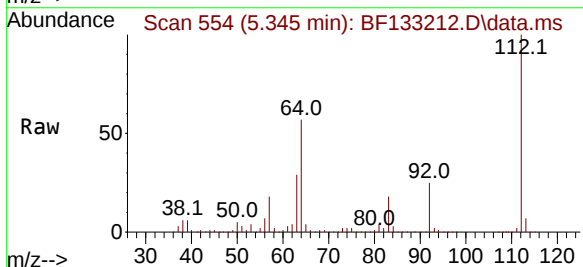
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

Tgt Ion:152 Resp: 193391
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 62.4 49.9 74.9



#5
2-Fluorophenol
Concen: 124.029 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:112 Resp: 1587840
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.3 23.8 35.8





#7

Phenol-d6

Concen: 120.063 ng

RT: 6.375 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF133212.D

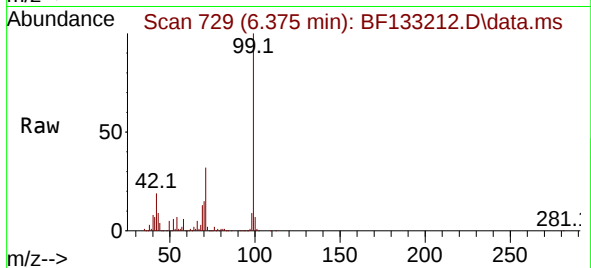
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Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023



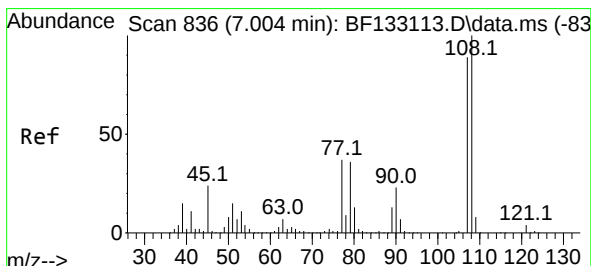
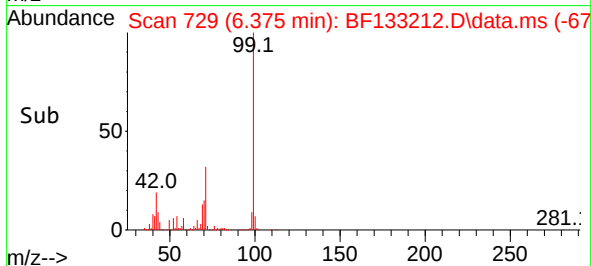
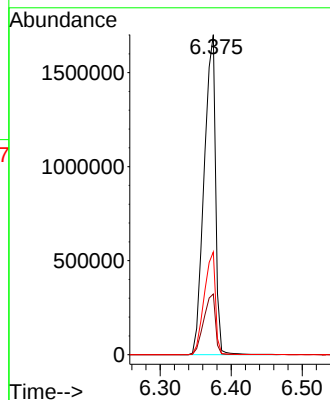
Tgt Ion: 99 Resp: 1907823

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

71 32.1 25.6 38.4



#17

2-Methylphenol

Concen: 6.798 ng

RT: 7.139 min Scan# 859

Delta R.T. 0.147 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Tgt Ion:107 Resp: 80910

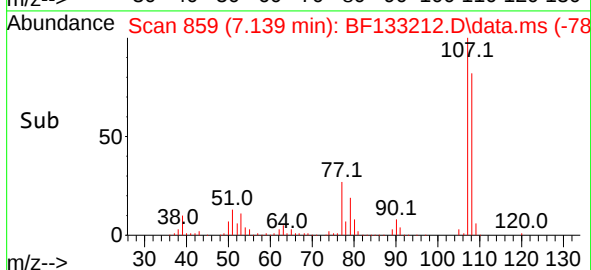
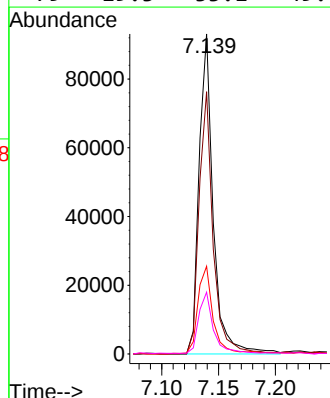
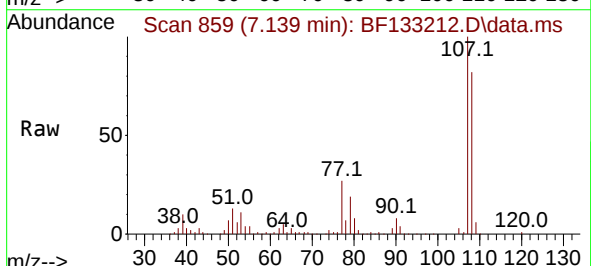
Ion Ratio Lower Upper

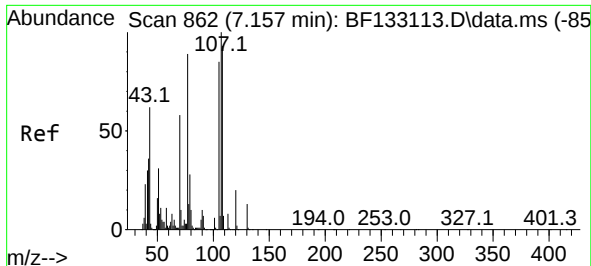
107 100

108 82.0 92.4 138.6#

77 27.4 33.8 50.8#

79 19.3 33.1 49.7#

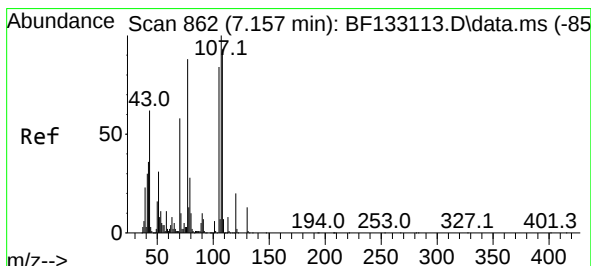
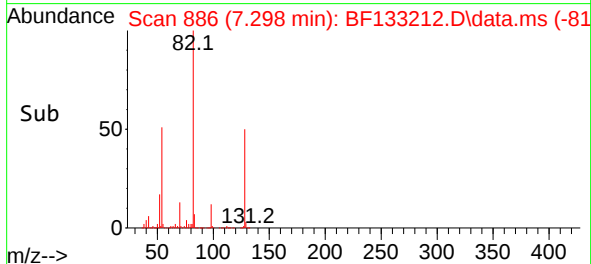
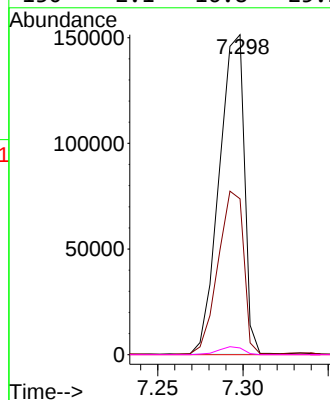
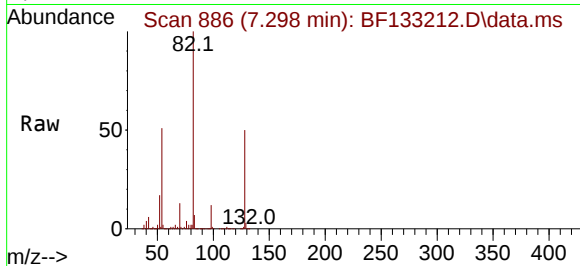




#19
n-Nitroso-di-n-propylamine
Concen: 15.737 ng
RT: 7.298 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

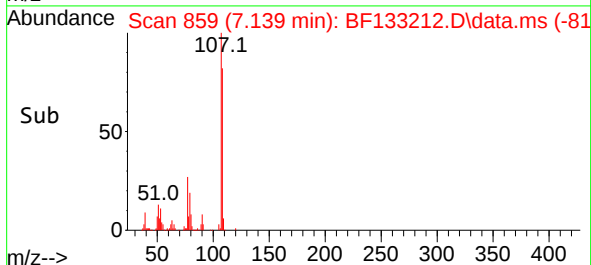
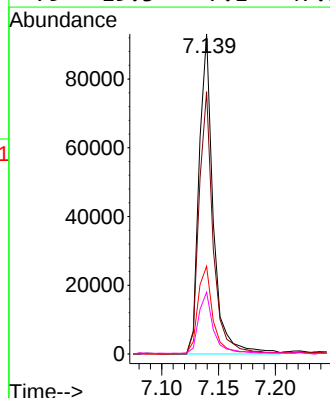
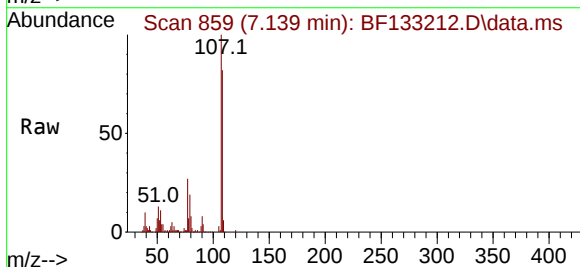
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

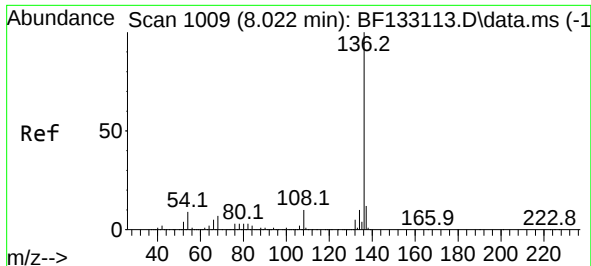
Tgt Ion: 70 Resp: 155678
Ion Ratio Lower Upper
70 100
42 48.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#



#20
3+4-Methylphenols
Concen: 5.772 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion: 107 Resp: 80910
Ion Ratio Lower Upper
107 100
108 82.0 70.5 110.5
77 27.4 91.7 131.7#
79 19.3 7.1 47.1

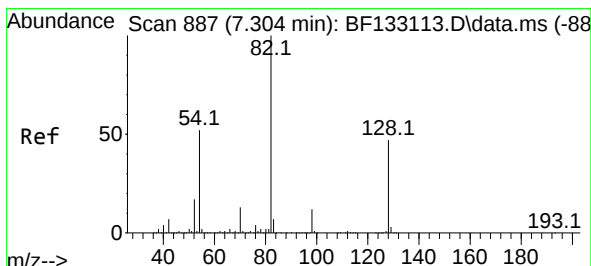
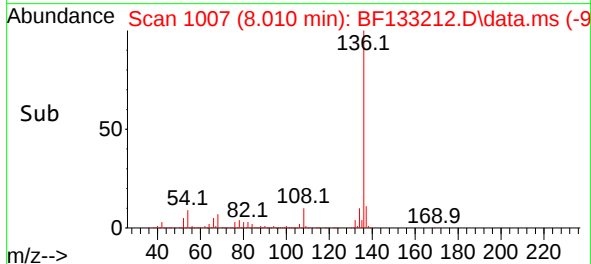
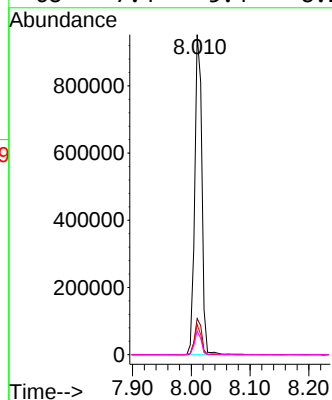
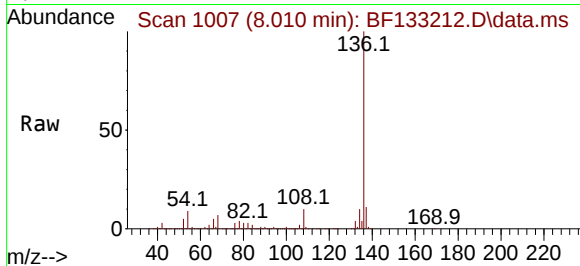




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

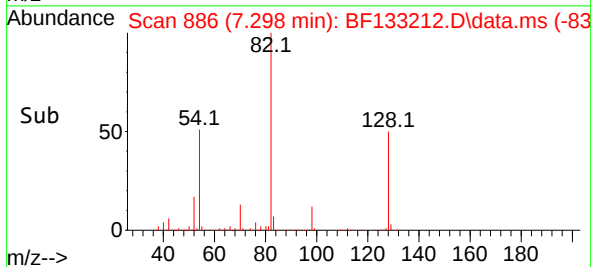
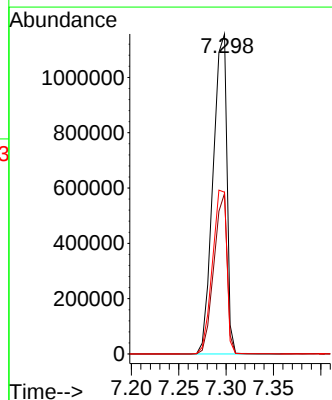
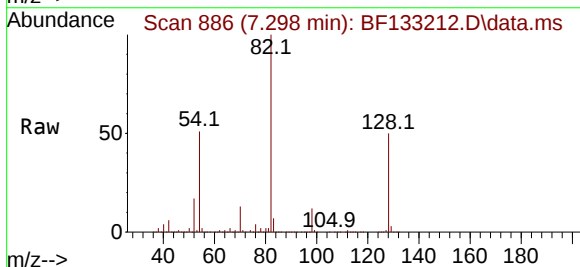
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

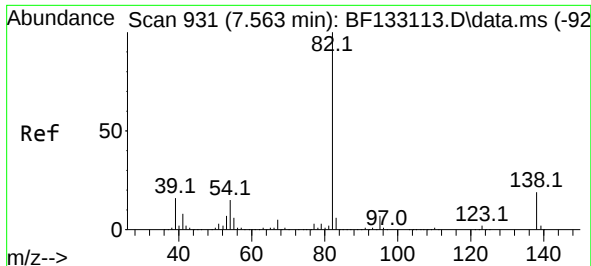
Tgt Ion:136 Resp: 806298
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.4 7.0 10.4
68 7.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 78.632 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion: 82 Resp: 1174595
Ion Ratio Lower Upper
82 100
128 50.2 37.7 56.5
54 50.6 43.0 64.4

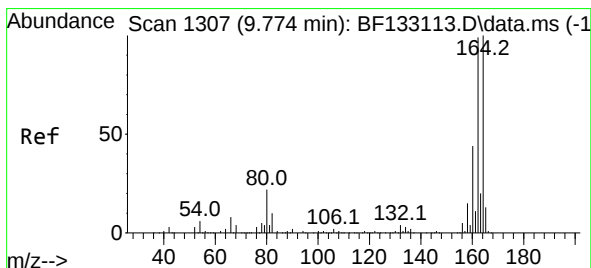
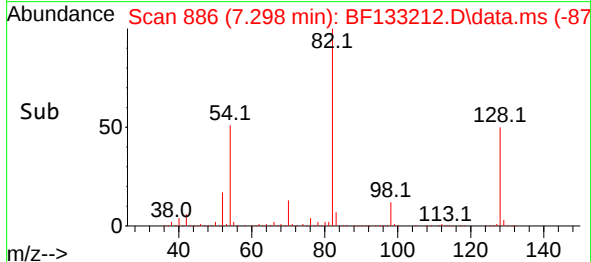
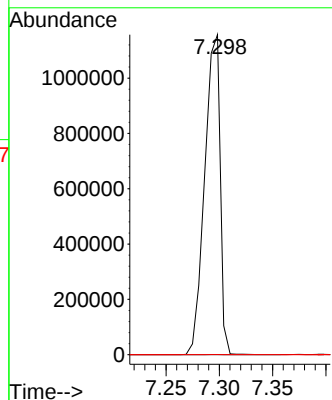
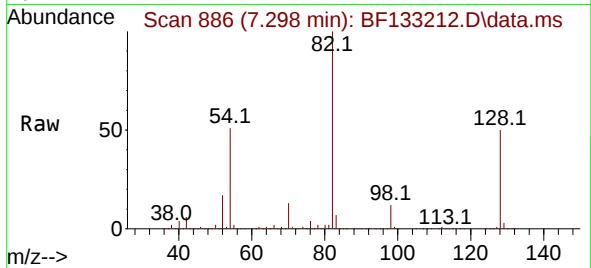




#25
Isophorone
Concen: 41.375 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

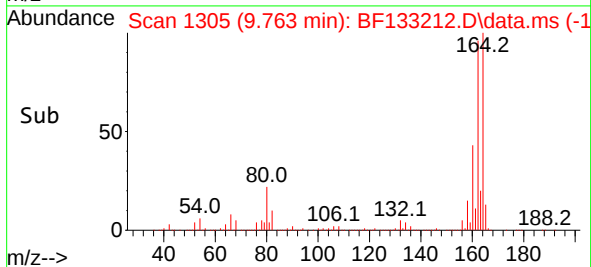
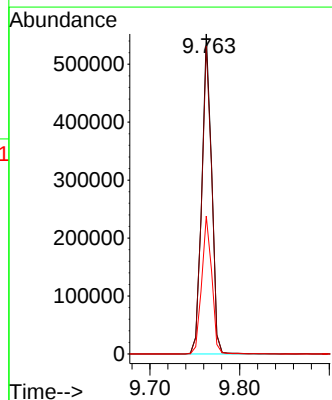
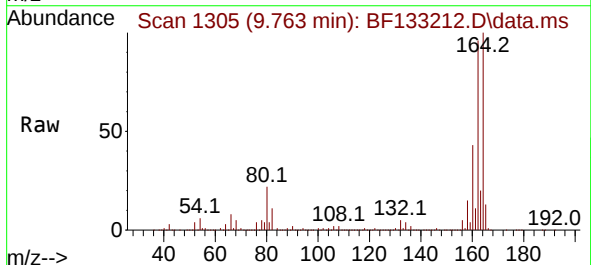
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

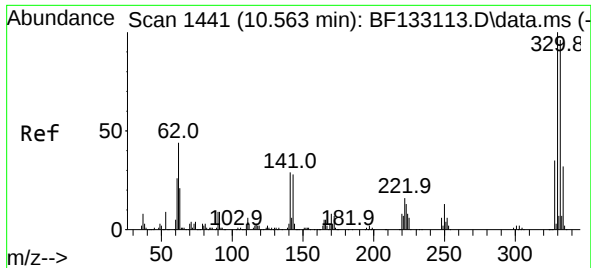
Tgt Ion: 82 Resp: 1173481
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:164 Resp: 417433
Ion Ratio Lower Upper
164 100
162 96.3 78.7 118.1
160 43.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 61.296 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023

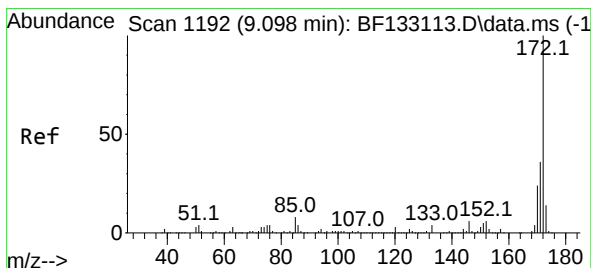
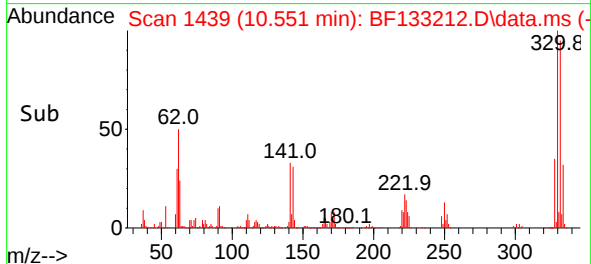
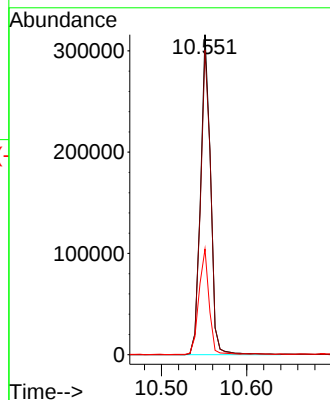
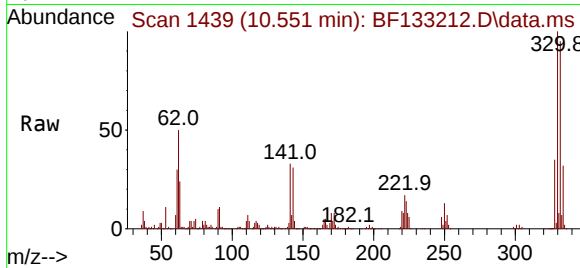
Tgt Ion:330 Resp: 257325

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 33.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 75.113 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

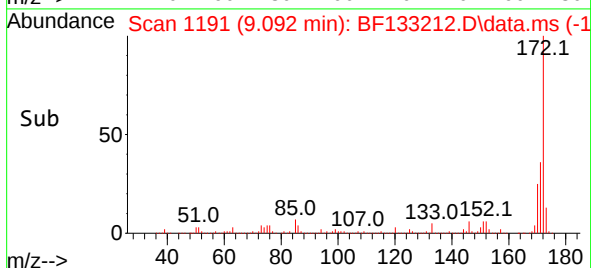
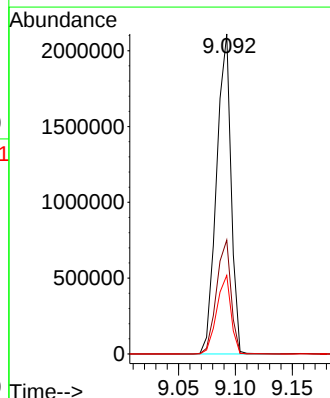
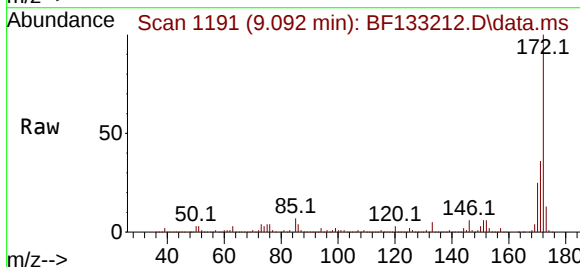
Tgt Ion:172 Resp: 1874152

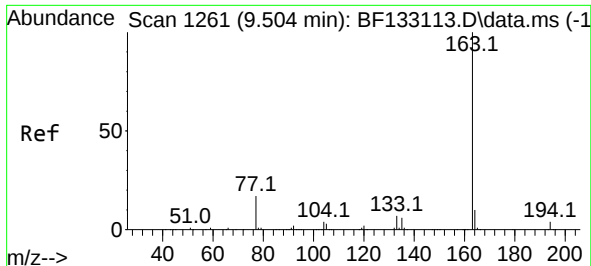
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 24.6 19.4 29.2

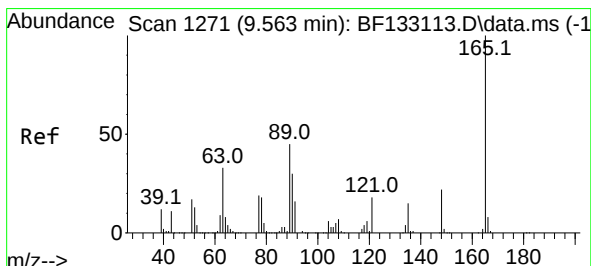
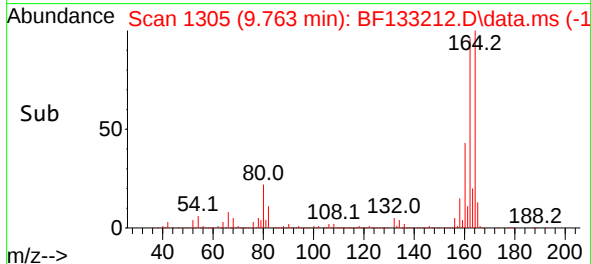
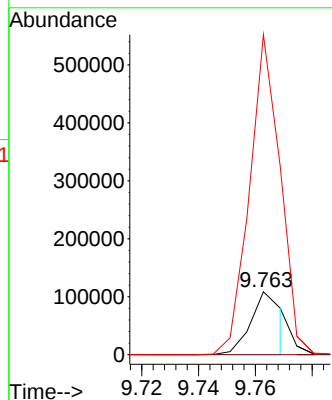
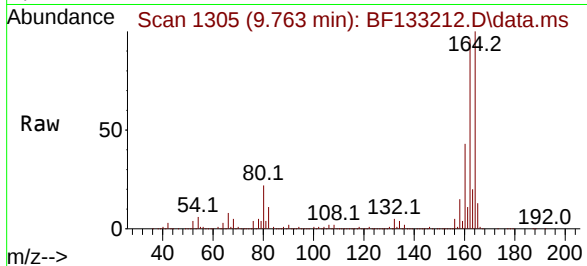




#50
Dimethylphthalate
Concen: 2.836 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.264 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

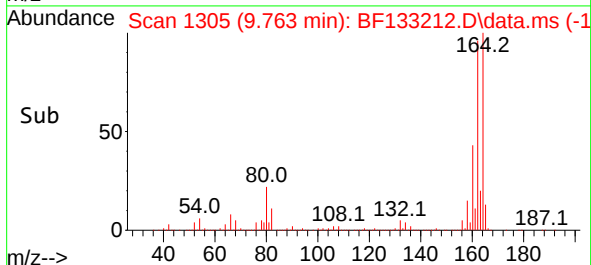
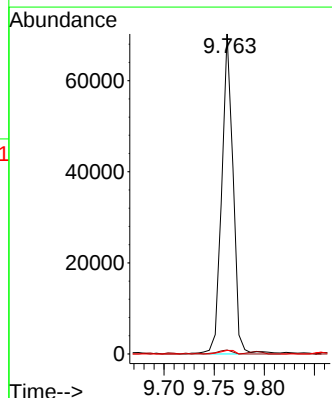
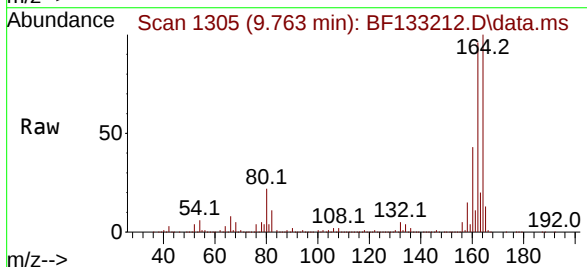
Instrument :
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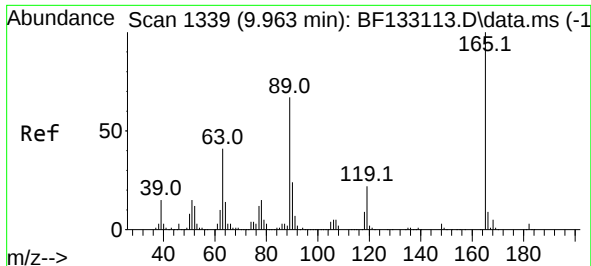
Tgt Ion:163 Resp: 82551
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 508.7 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.454 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:165 Resp: 55382
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.1 44.0 66.0#

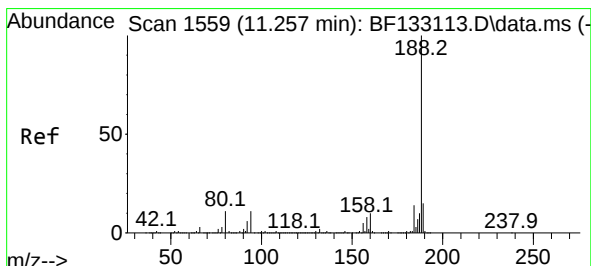
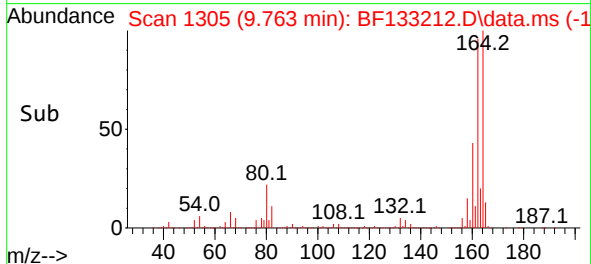
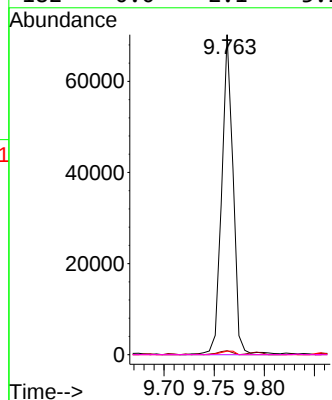
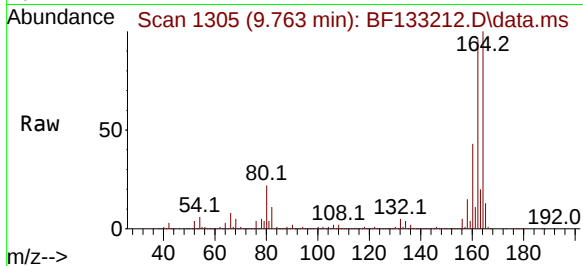




#57
2,4-Dinitrotoluene
Concen: 6.629 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

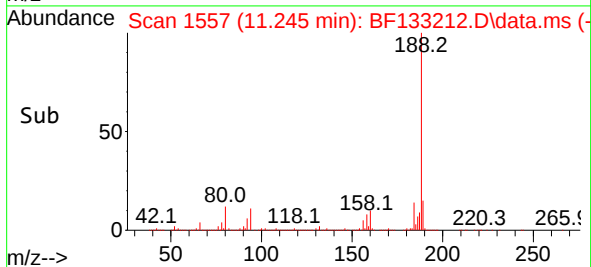
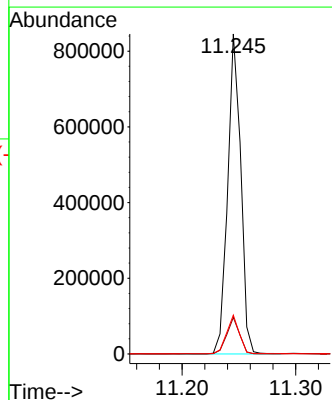
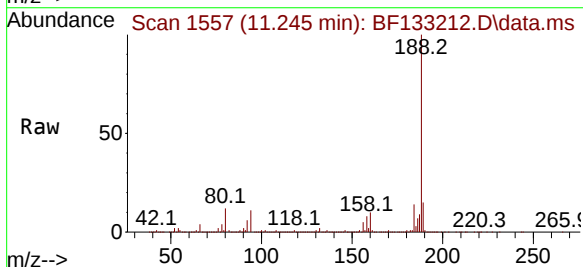
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

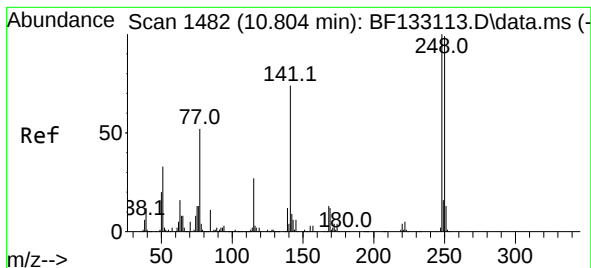
Tgt Ion:165 Resp: 55382
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:188 Resp: 675687
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 12.1 10.4 15.6

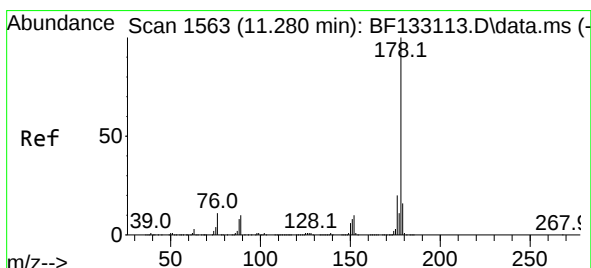
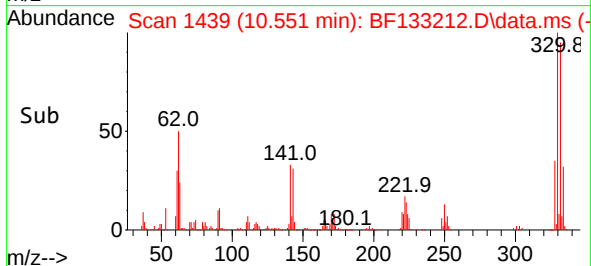
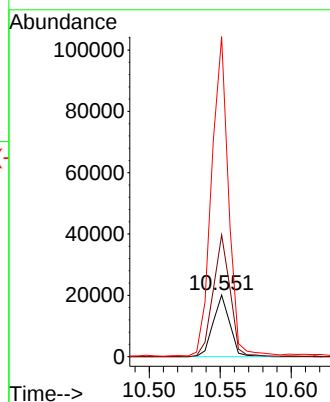
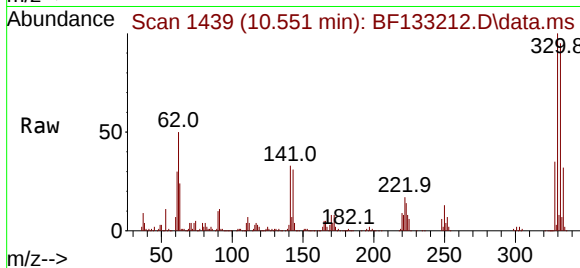




#67
4-Bromophenyl-phenylether
Concen: 2.228 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

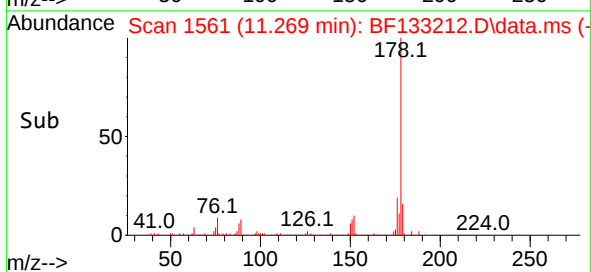
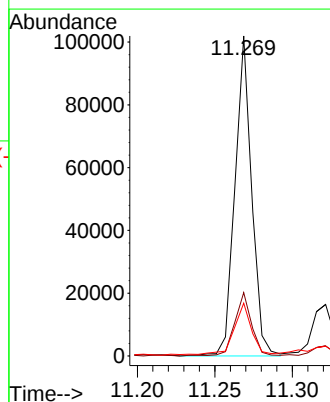
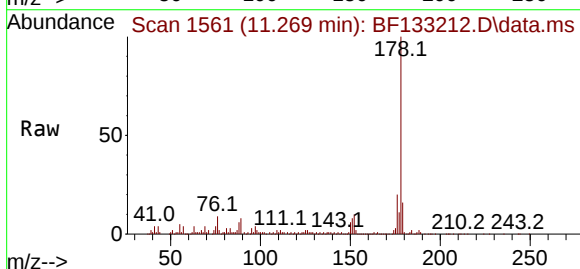
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

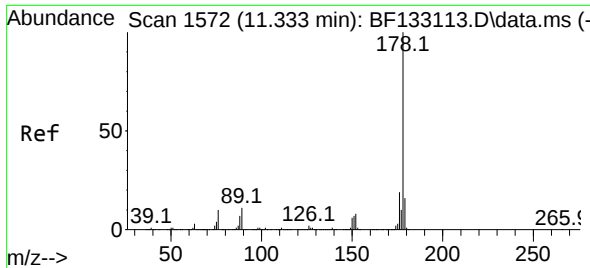
Tgt Ion:248 Resp: 16325
Ion Ratio Lower Upper
248 100
250 197.8 78.7 118.1#
141 519.5 56.3 84.5#



#71
Phenanthrene
Concen: 2.108 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:178 Resp: 76563
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 16.5 12.5 18.7

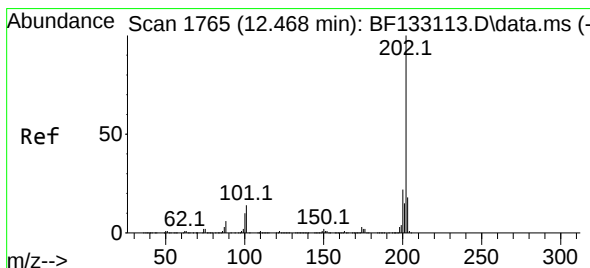
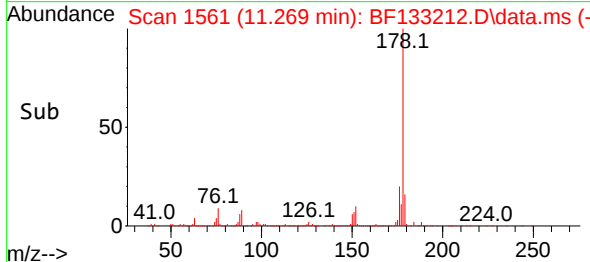
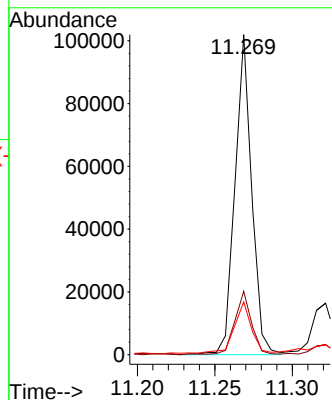
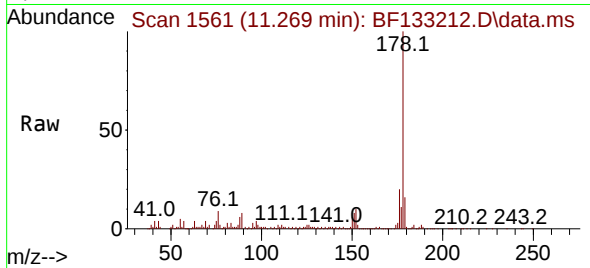




#72
 Anthracene
 Concen: 2.060 ng
 RT: 11.269 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF133212.D
 Acq: 03 May 2023 17:45

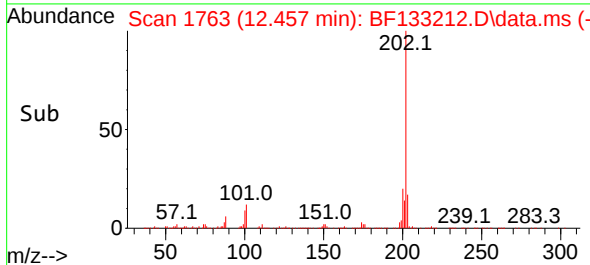
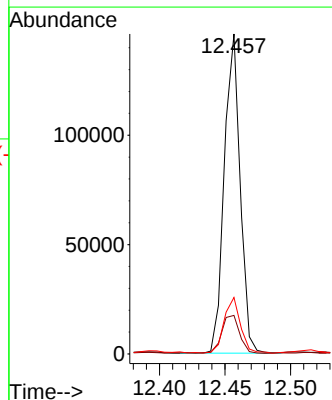
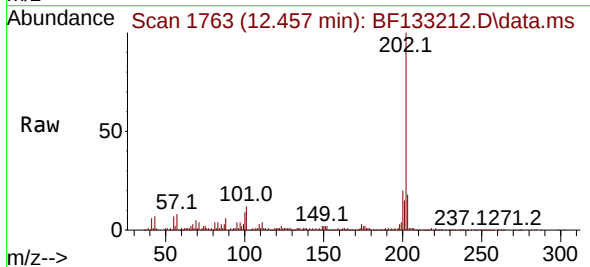
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-6-9-05022023

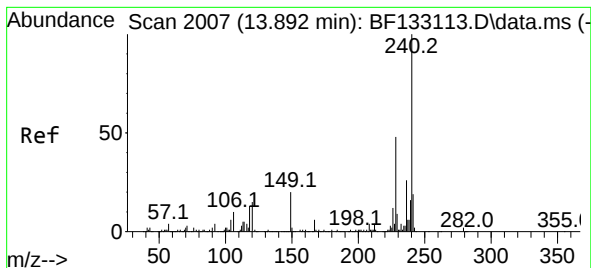
Tgt Ion:178 Resp: 76563
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.0
 179 16.5 12.4 18.6



#75
 Fluoranthene
 Concen: 3.363 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF133212.D
 Acq: 03 May 2023 17:45

Tgt Ion:202 Resp: 122587
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 35.3
 203 17.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023

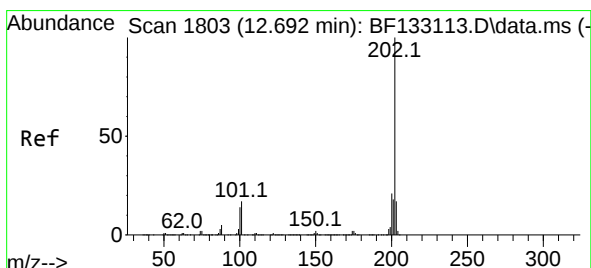
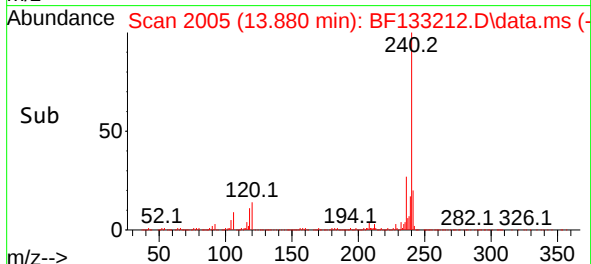
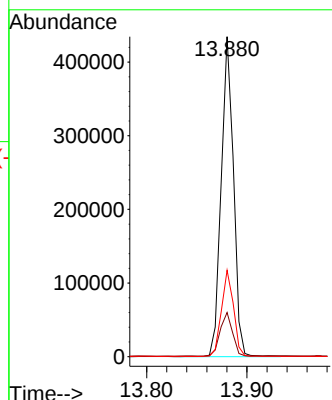
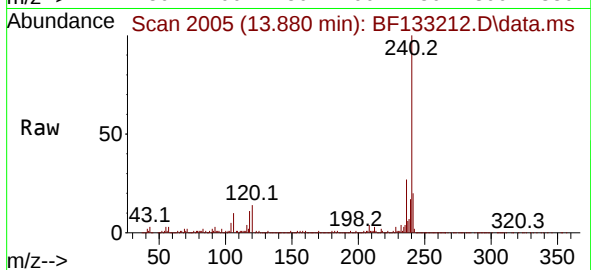
Tgt Ion:240 Resp: 368992

Ion Ratio Lower Upper

240 100

120 13.8 10.5 15.7

236 27.0 21.5 32.3



#78

Pyrene

Concen: 3.327 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.012 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

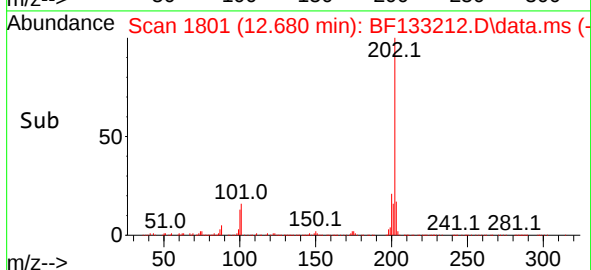
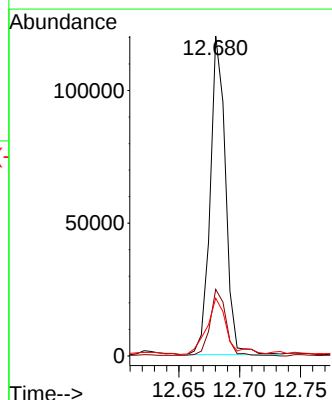
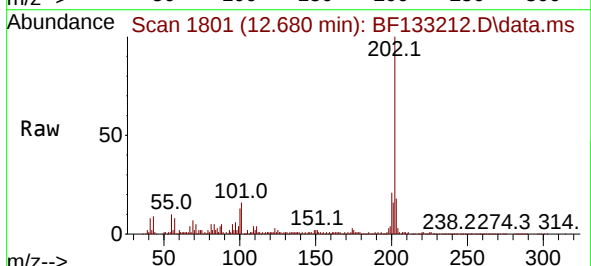
Tgt Ion:202 Resp: 105244

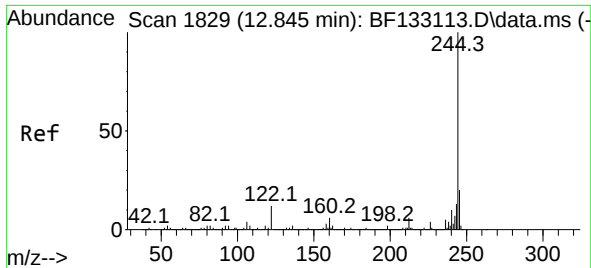
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 18.0 14.1 21.1

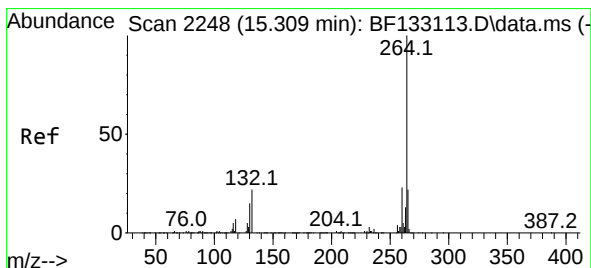
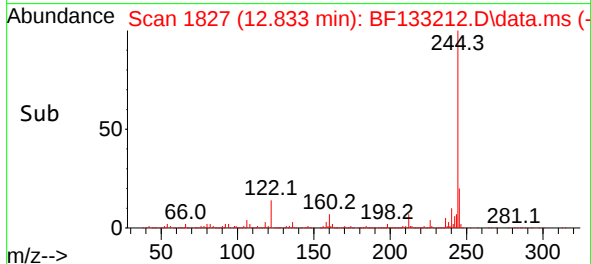
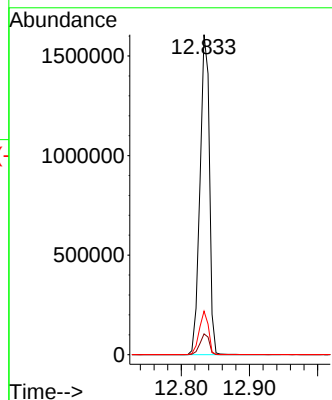
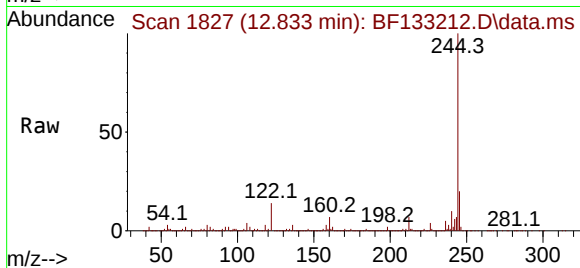




#79
 Terphenyl-d14
 Concen: 72.057 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133212.D
 Acq: 03 May 2023 17:45

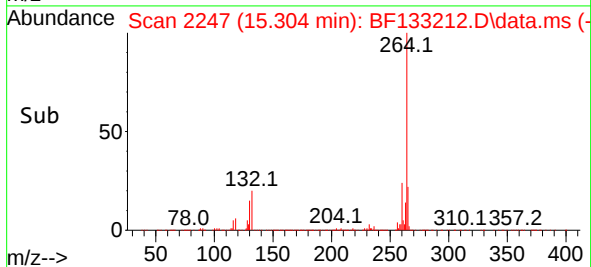
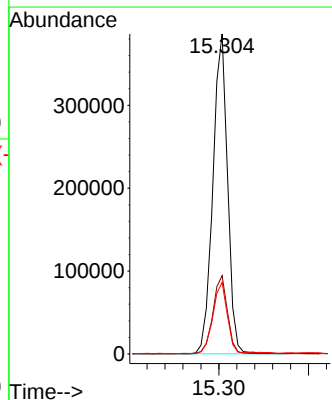
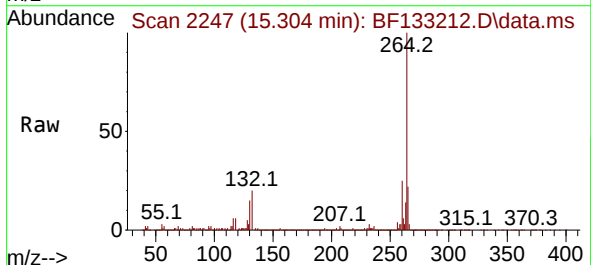
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-6-9-05022023

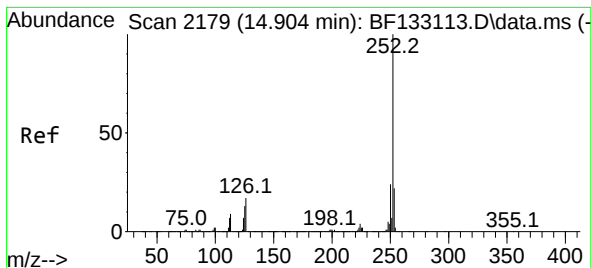
Tgt Ion:244 Resp: 1541654
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 13.6 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.000 min
 Lab File: BF133212.D
 Acq: 03 May 2023 17:45

Tgt Ion:264 Resp: 437982
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.8 28.2
 265 22.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.279 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023

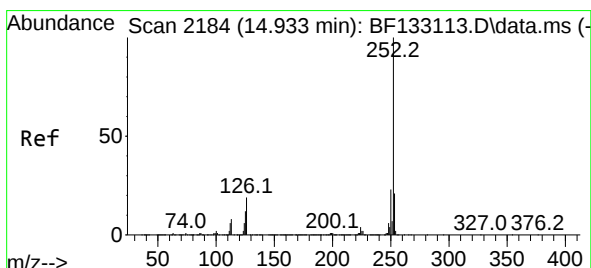
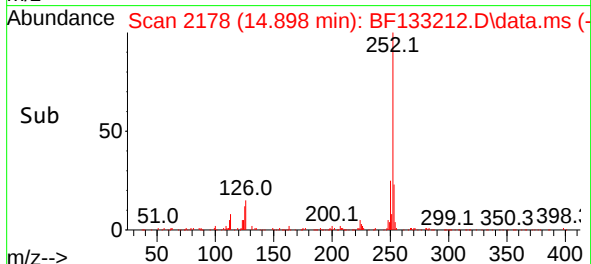
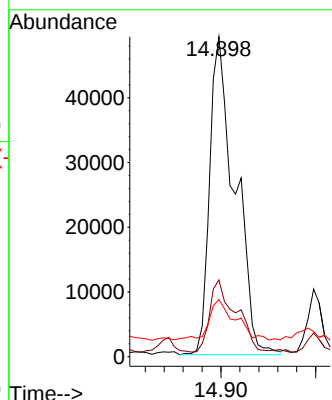
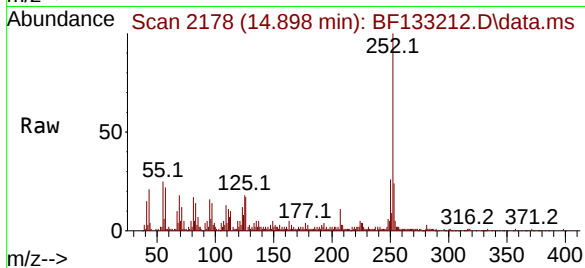
Tgt Ion:252 Resp: 91372

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 17.9 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 3.308 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.036 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Tgt Ion:252 Resp: 91372

Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 17.9 9.0 13.4#

