

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130024.D
 Acq On : 26 Aug 2022 17:58
 Operator : CG\JU
 Sample : N4277-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Quant Time: Aug 27 06:10:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

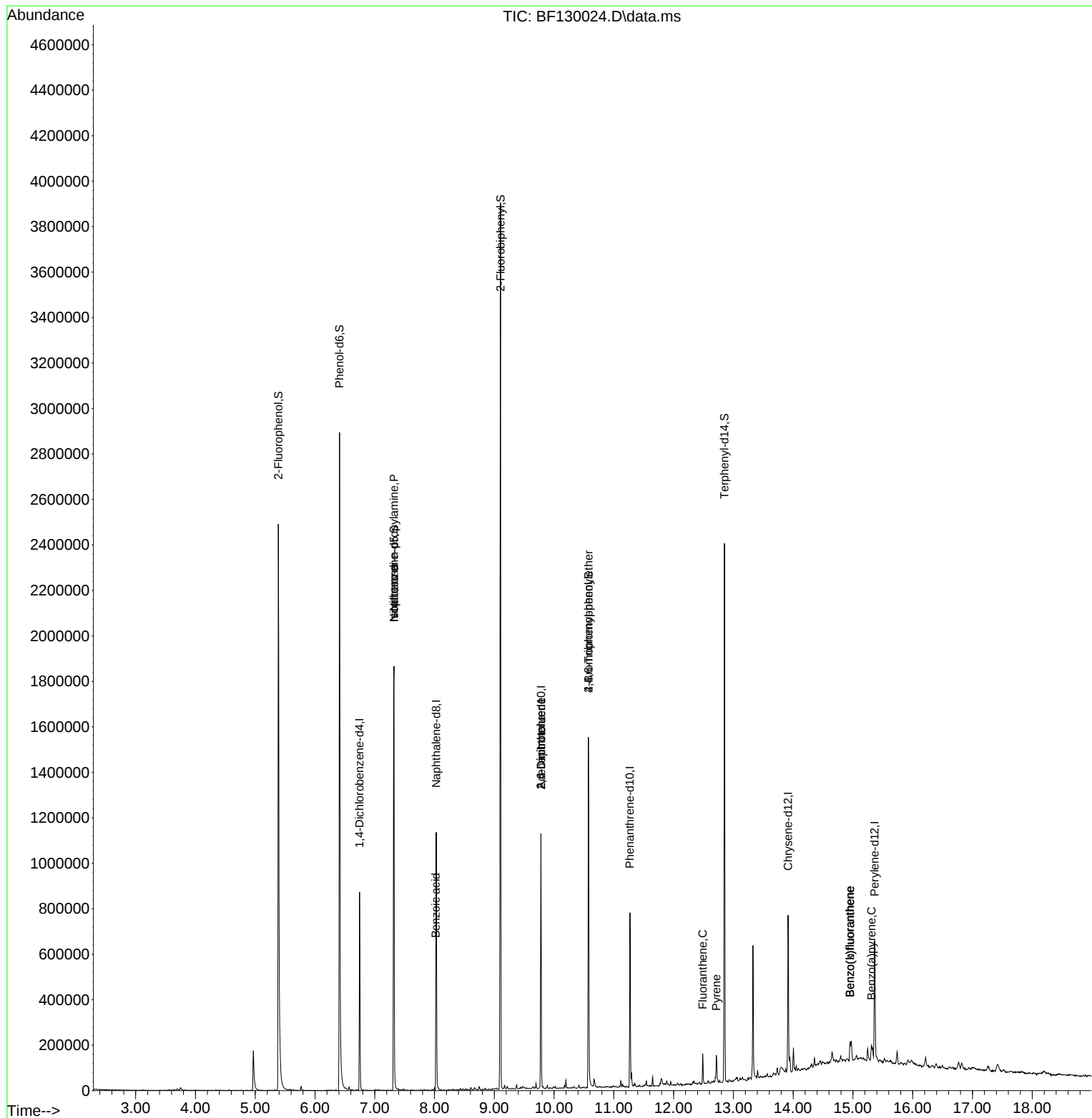
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	114930	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	438491	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	201552	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	259315	20.000	ng	-0.01
76) Chrysene-d12	13.916	240	211071	20.000	ng	-0.01
86) Perylene-d12	15.363	264	226208	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	765405	110.265	ng	0.00
7) Phenol-d6	6.410	99	927362	106.683	ng	-0.01
23) Nitrobenzene-d5	7.322	82	605210	73.885	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	170059	84.068	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1036550	78.110	ng	-0.01
79) Terphenyl-d14	12.851	244	701416	55.295	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.275	77	66	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.322	70	82409	14.998	ng	# 77
25) Isophorone	7.322	82	605200	42.927	ng	# 65
32) Benzoic acid	8.022	122	66	2.182	ng	# 1
51) 2,6-Dinitrotoluene	9.781	165	26188	8.355	ng	# 23
57) 2,4-Dinitrotoluene	9.781	165	26188	6.437	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	11194	3.686	ng	# 1
75) Fluoranthene	12.486	202	45015	3.037	ng	96
77) Benzidine	12.851	184	10586	Below Cal	#	88
78) Pyrene	12.716	202	45491	2.480	ng	98
88) Benzo(b)fluoranthene	14.951	252	55147	3.560	ng	96
89) Benzo(k)fluoranthene	14.951	252	55147	3.712	ng	97
90) Benzo(a)pyrene	15.310	252	30255	2.480	ng	96

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

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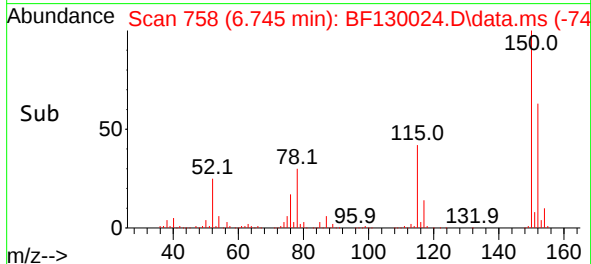
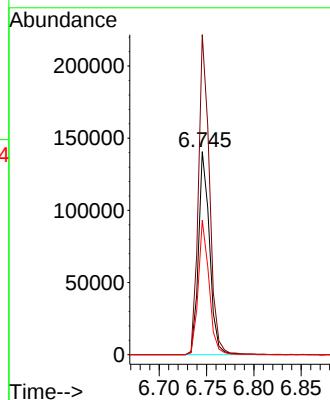
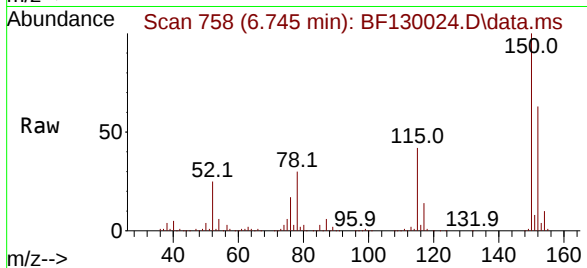




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

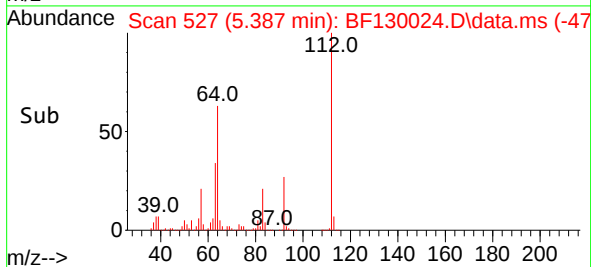
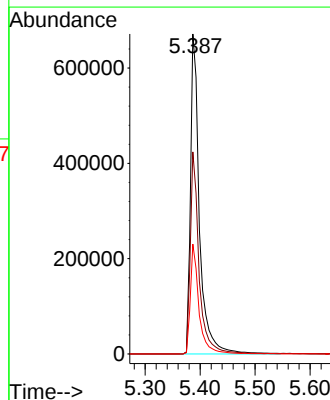
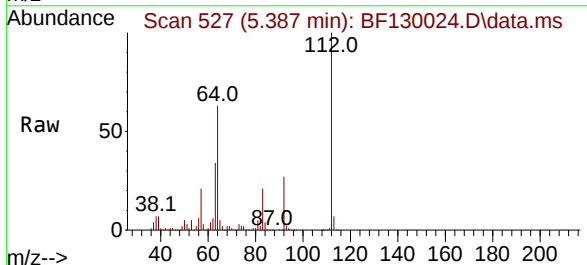
Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion:152 Resp: 114930
Ion Ratio Lower Upper
152 100
150 157.6 126.9 190.3
115 66.2 53.4 80.0



#5
2-Fluorophenol
Concen: 110.265 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.006 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:112 Resp: 765405
Ion Ratio Lower Upper
112 100
64 63.2 47.6 71.4
63 34.4 24.6 37.0

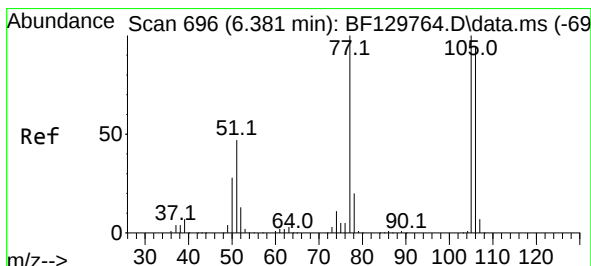
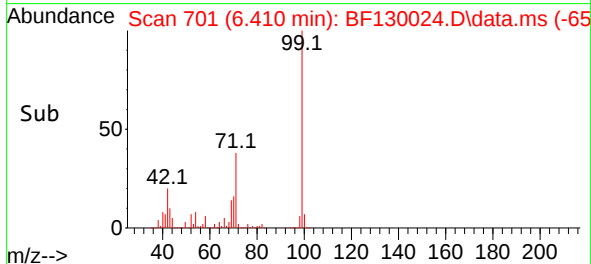
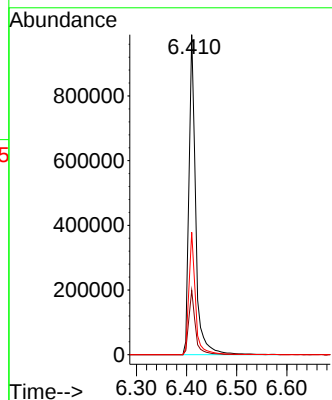
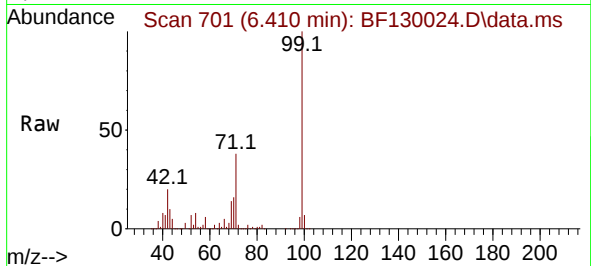




#7
Phenol-d6
Concen: 106.683 ng
RT: 6.410 min Scan# 713
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

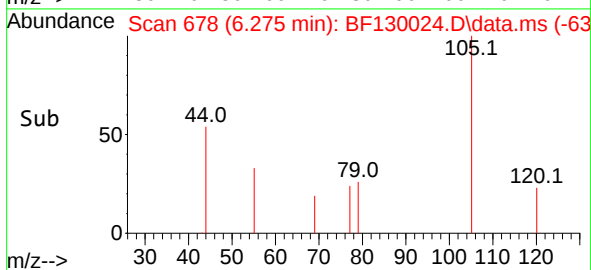
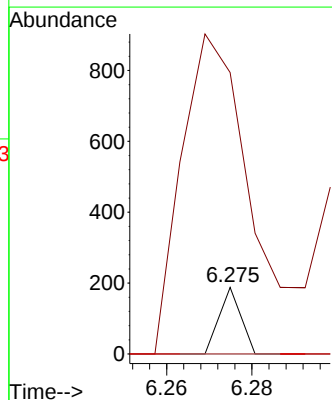
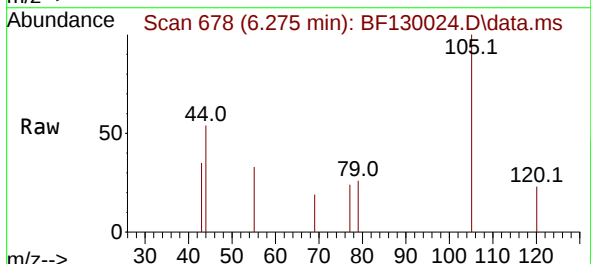
Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion: 99 Resp: 927362
Ion Ratio Lower Upper
99 100
42 20.1 15.0 22.4
71 38.2 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.275 min Scan# 678
Delta R.T. -0.041 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion: 77 Resp: 66
Ion Ratio Lower Upper
77 100
105 422.3 80.3 120.3#
106 0.0 74.3 114.3#

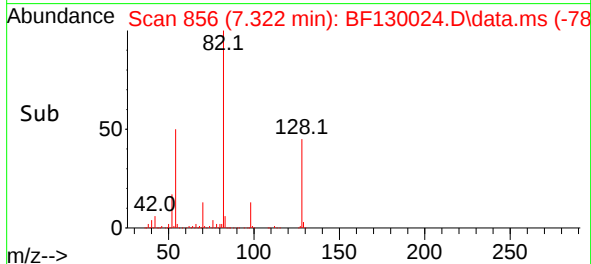
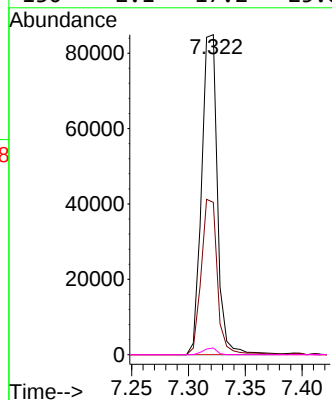
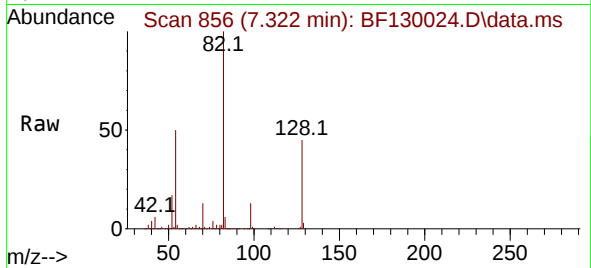




#19
n-Nitroso-di-n-propylamine
Concen: 14.998 ng
RT: 7.322 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

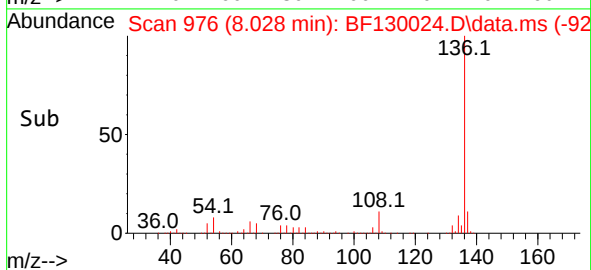
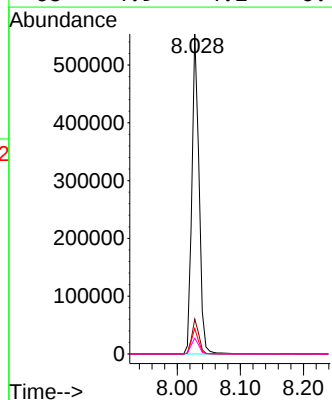
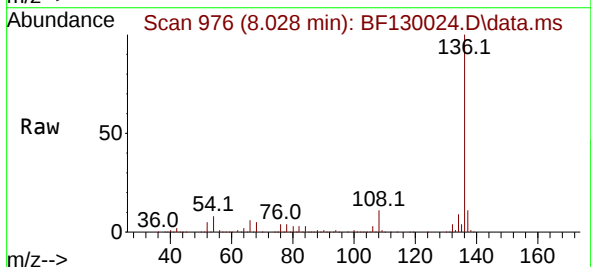
Instrument :
BNA_F
ClientSampleId :
B-2

Tgt Ion: 70 Resp: 82409
Ion Ratio Lower Upper
70 100
42 47.6 47.6 71.4#
101 0.0 8.1 12.1#
130 2.1 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion: 136 Resp: 438491
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.9 6.2 9.2
68 4.9 4.2 6.4

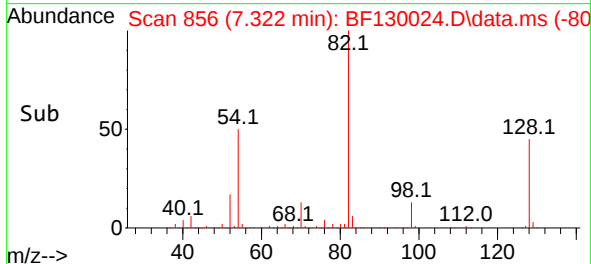
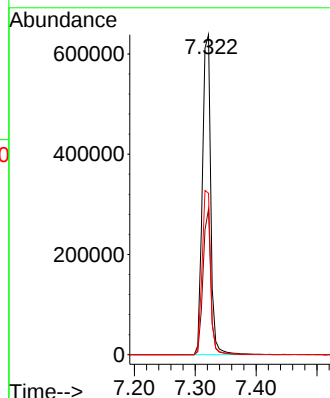
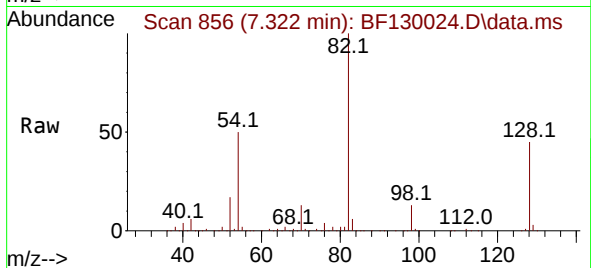




#23
Nitrobenzene-d5
Concen: 73.885 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

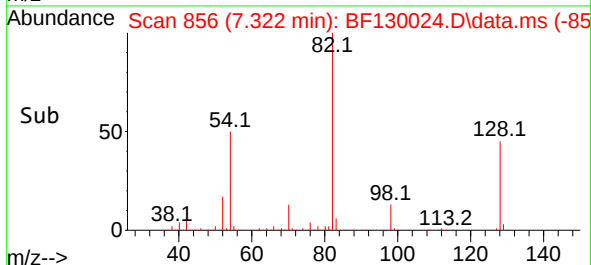
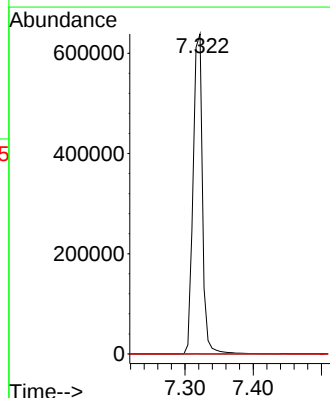
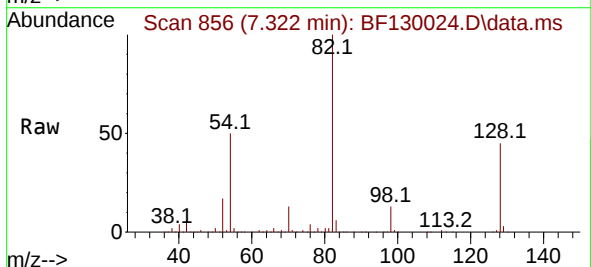
Instrument :
BNA_F
ClientSampleId :
B-2

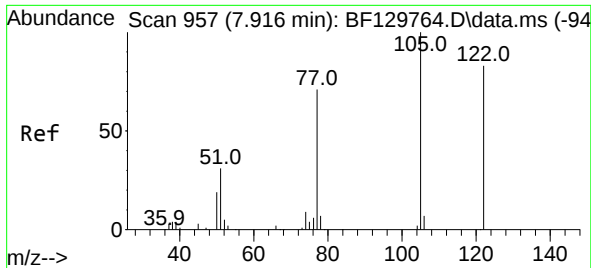
Tgt Ion: 82 Resp: 605210
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 50.5 40.0 60.0



#25
Isophorone
Concen: 42.927 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.265 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion: 82 Resp: 605200
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

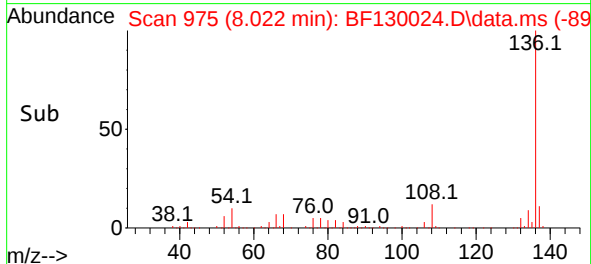
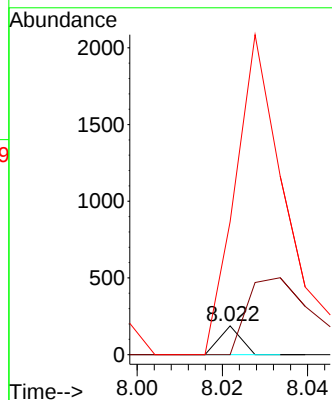
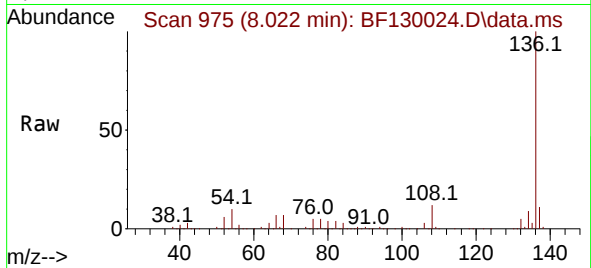




#32
Benzoic acid
Concen: 2.182 ng
RT: 8.022 min Scan# 91
Delta R.T. 0.159 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

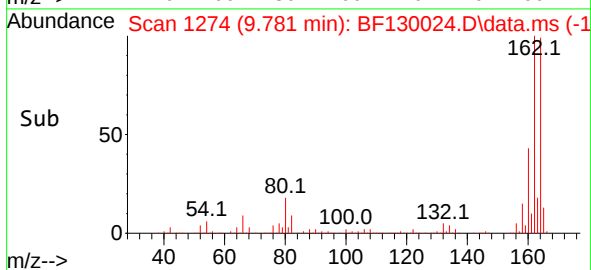
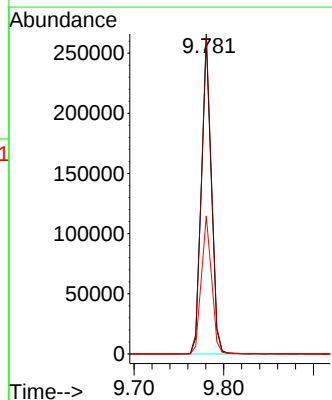
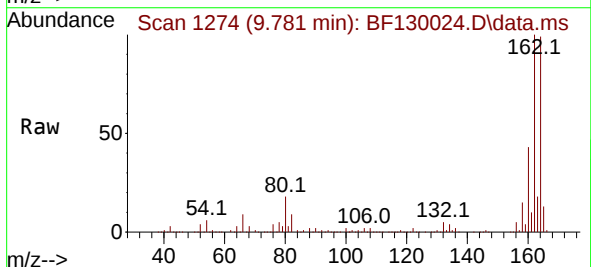
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ClientSampleId :
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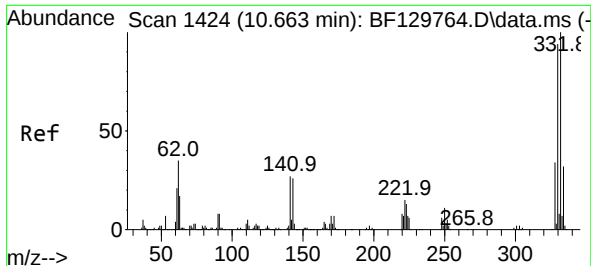
Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 463.6 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1274
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:164 Resp: 201552
Ion Ratio Lower Upper
164 100
162 101.4 82.0 123.0
160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 84.068 ng

RT: 10.575 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF130024.D

Acq: 26 Aug 2022 17:58

Instrument :

BNA_F

ClientSampleId :

B-2

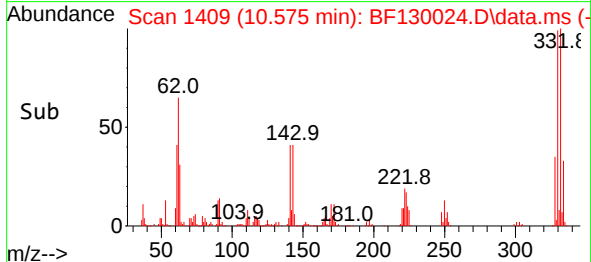
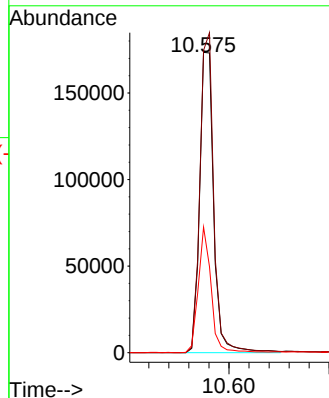
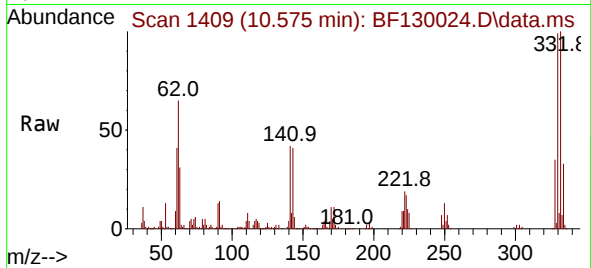
Tgt Ion:330 Resp: 170059

Ion Ratio Lower Upper

330 100

332 105.4 82.6 124.0

141 38.1 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 78.110 ng

RT: 9.104 min Scan# 1159

Delta R.T. -0.012 min

Lab File: BF130024.D

Acq: 26 Aug 2022 17:58

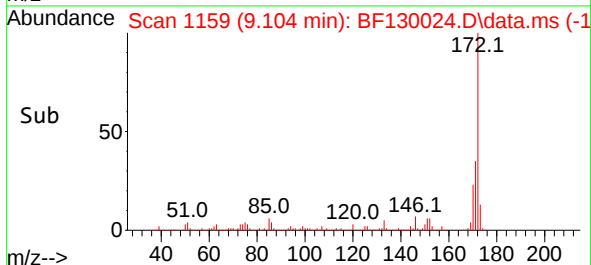
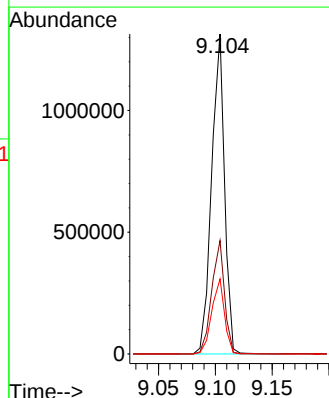
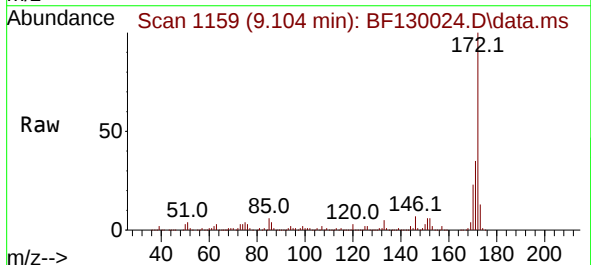
Tgt Ion:172 Resp: 1036550

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 19.1 28.7

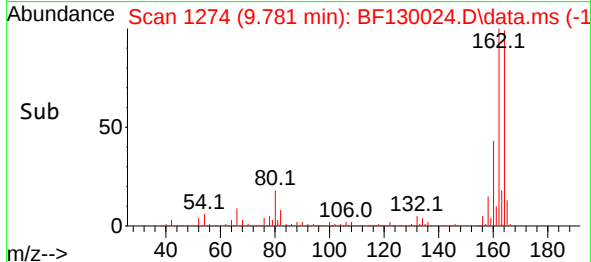
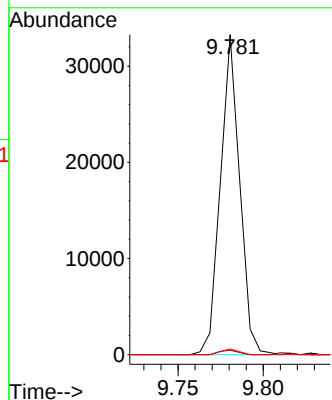
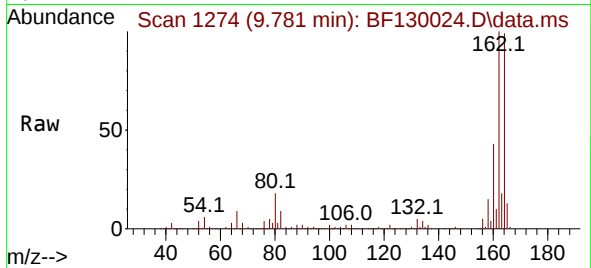




#51
2,6-Dinitrotoluene
Concen: 8.355 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

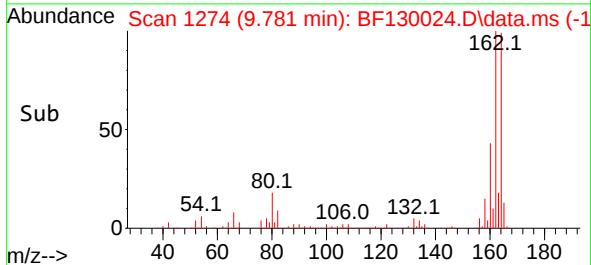
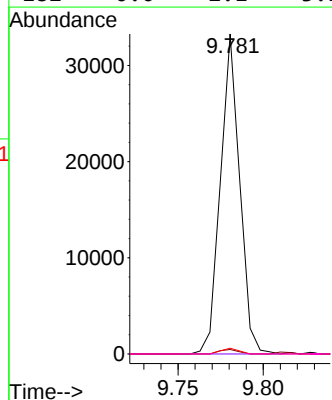
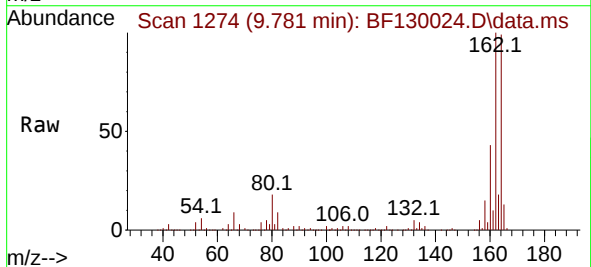
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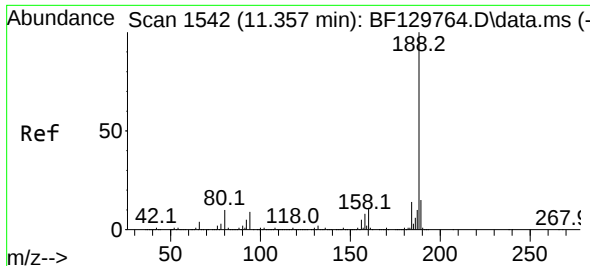
Tgt Ion:165 Resp: 26188
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.8#
89 1.8 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.437 ng
RT: 9.781 min Scan# 1274
Delta R.T. -0.224 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:165 Resp: 26188
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.8 62.3 93.5#
182 0.0 2.1 3.1#

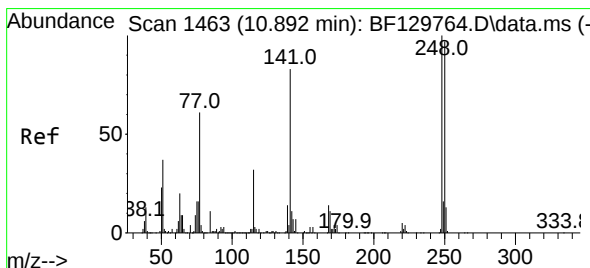
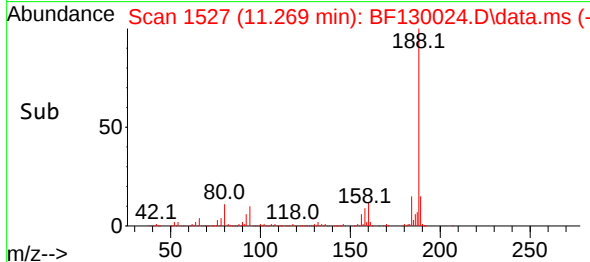
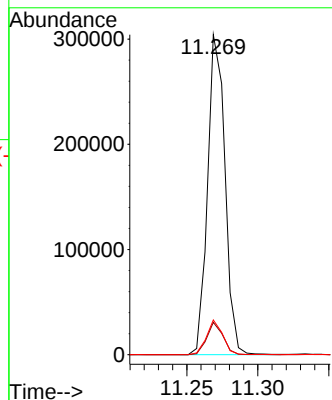
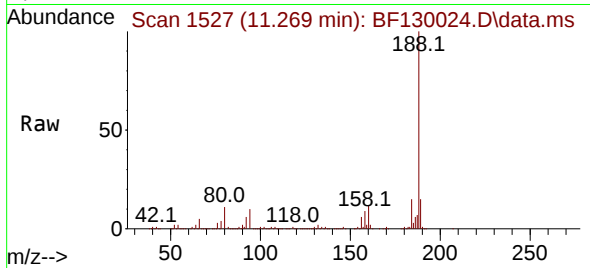




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

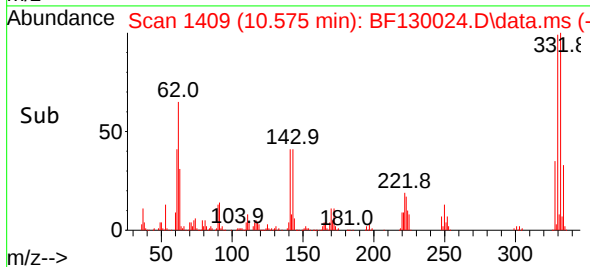
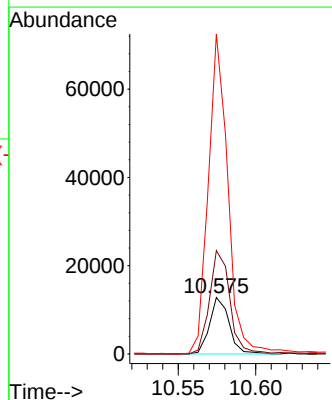
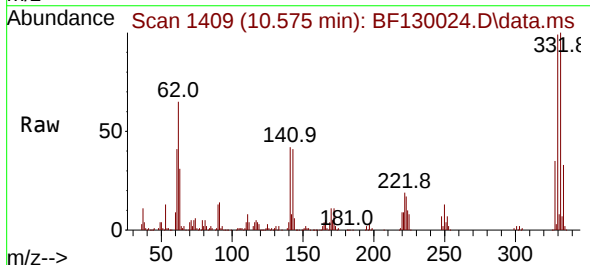
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BNA_F
ClientSampleId :
B-2

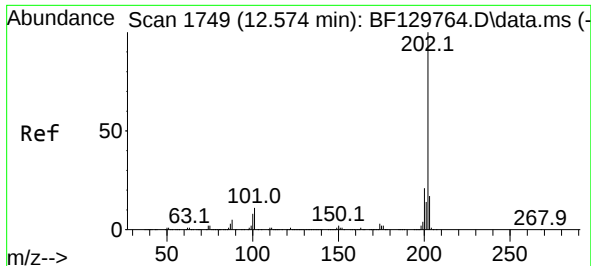
Tgt Ion:188 Resp: 259315
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 10.9 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.686 ng
RT: 10.575 min Scan# 1409
Delta R.T. -0.247 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:248 Resp: 11194
Ion Ratio Lower Upper
248 100
250 182.8 77.8 116.6#
141 566.3 66.2 99.2#

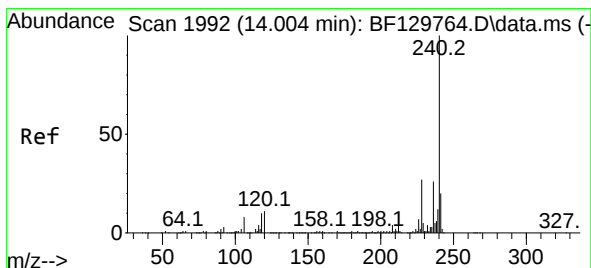
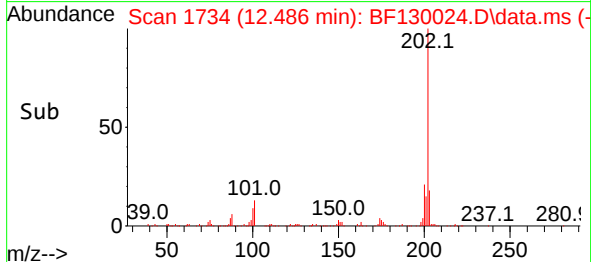
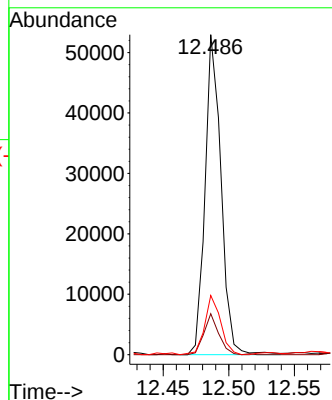
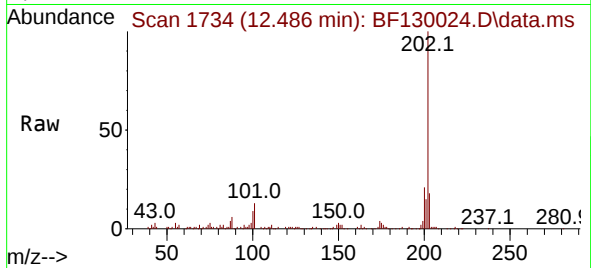




#75
Fluoranthene
Concen: 3.037 ng
RT: 12.486 min Scan# 1749
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

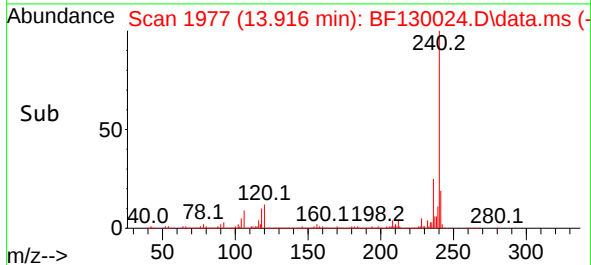
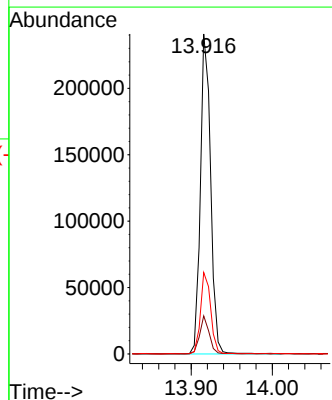
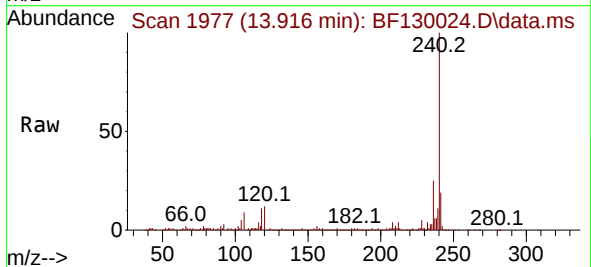
Instrument :
BNA_F
ClientSampleId :
B-2

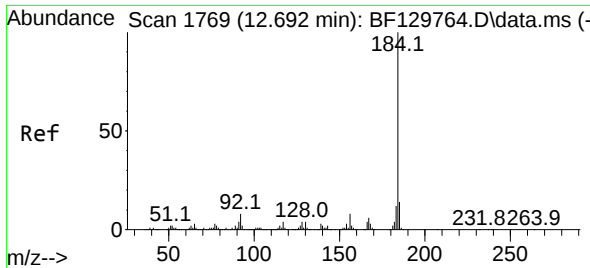
Tgt Ion:202 Resp: 45015
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.7
203 18.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 1977
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:240 Resp: 211071
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 25.4 20.7 31.1

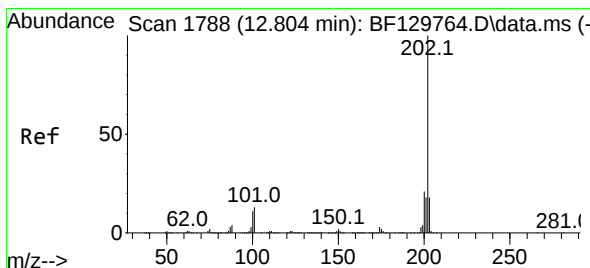
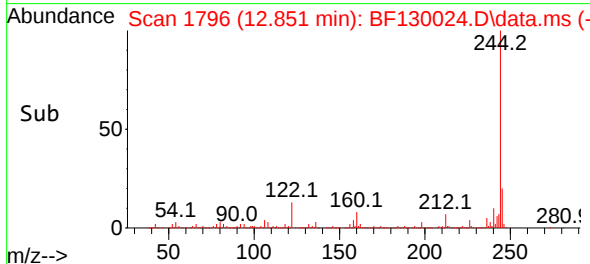
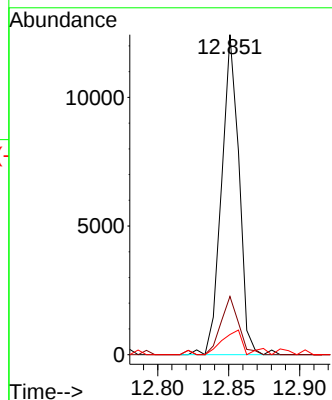
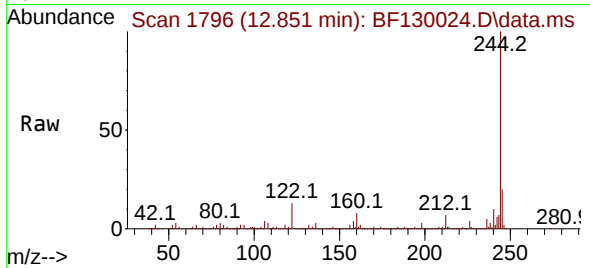




#77
Benzidine
Concen: Below Cal
RT: 12.851 min Scan# 1773
Delta R.T. 0.229 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

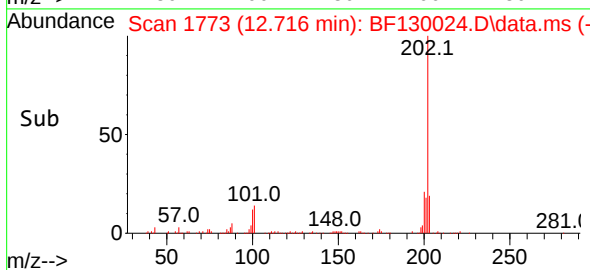
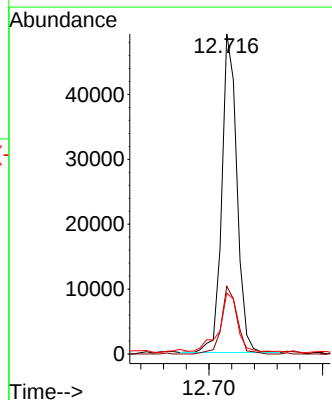
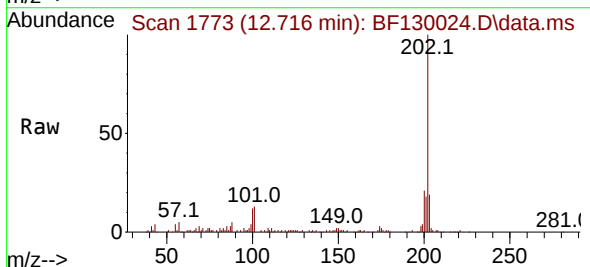
Instrument :
BNA_F
ClientSampleId :
B-2

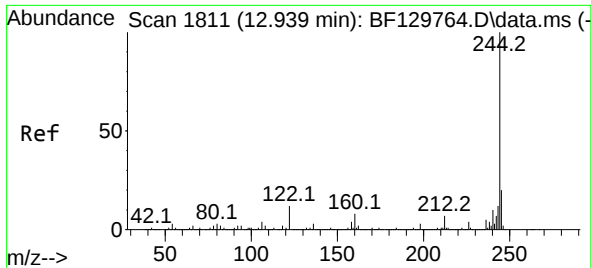
Tgt Ion:184 Resp: 10586
Ion Ratio Lower Upper
184 100
185 18.2 11.4 17.2#
183 6.3 9.4 14.2#



#78
Pyrene
Concen: 2.480 ng
RT: 12.716 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:202 Resp: 45491
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 19.0 14.1 21.1

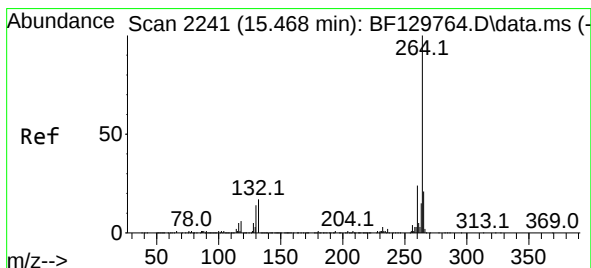
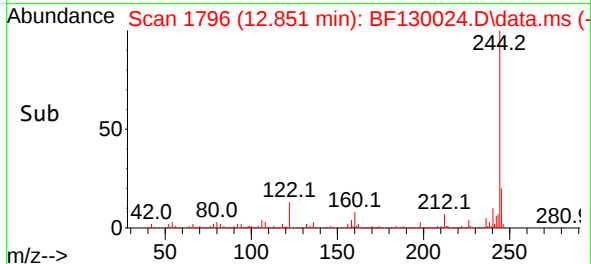
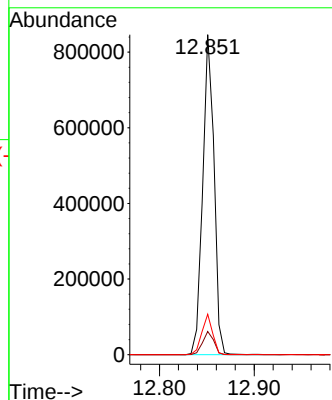
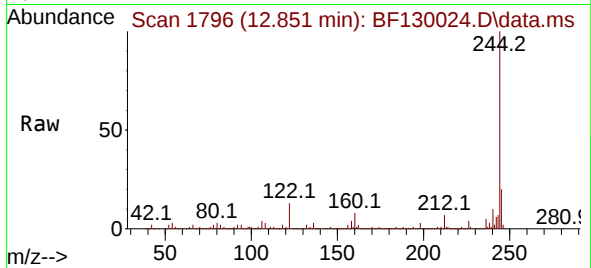




#79
 Terphenyl-d14
 Concen: 55.295 ng
 RT: 12.851 min Scan# 1796
 Delta R.T. -0.012 min
 Lab File: BF130024.D
 Acq: 26 Aug 2022 17:58

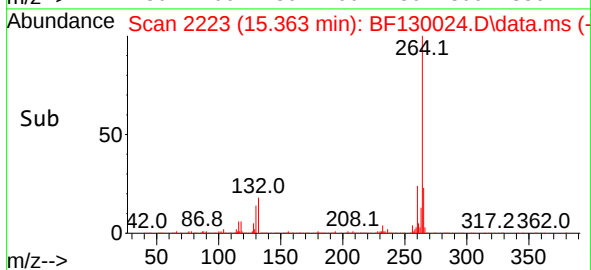
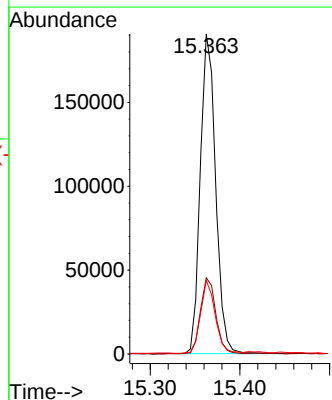
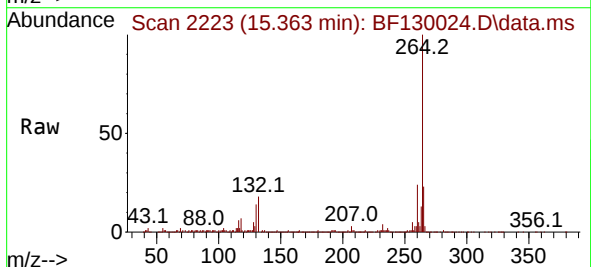
Instrument :
 BNA_F
 ClientSampleId :
 B-2

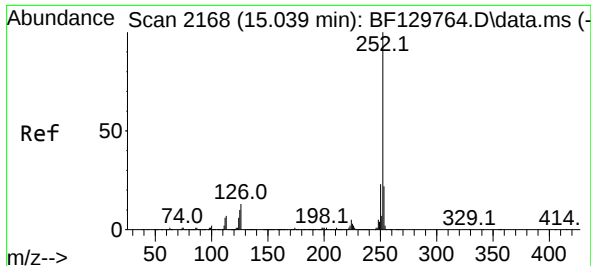
Tgt Ion:244 Resp: 701416
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 12.7 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.363 min Scan# 2223
 Delta R.T. -0.006 min
 Lab File: BF130024.D
 Acq: 26 Aug 2022 17:58

Tgt Ion:264 Resp: 226208
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 23.0 16.7 25.1

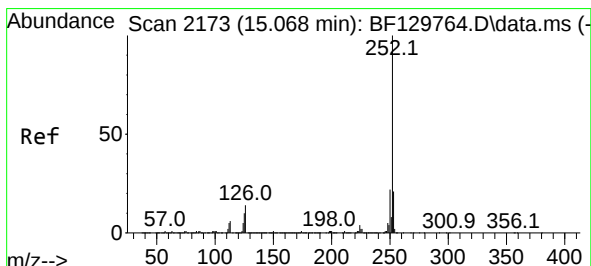
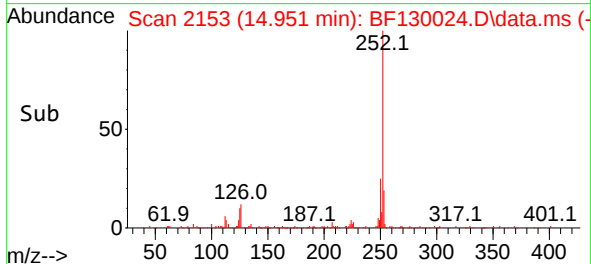
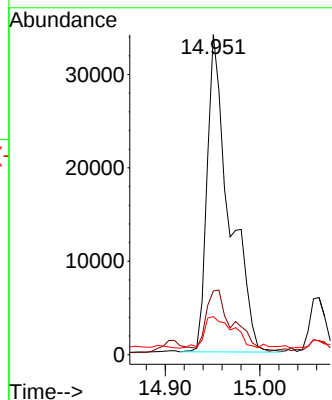
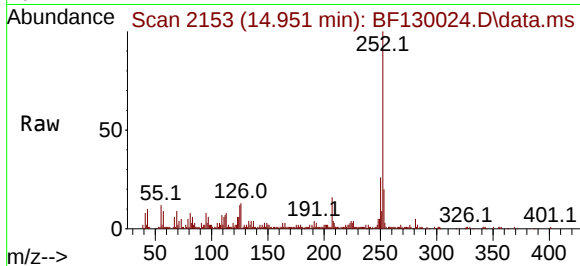




#88
Benzo(b)fluoranthene
Concen: 3.560 ng
RT: 14.951 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

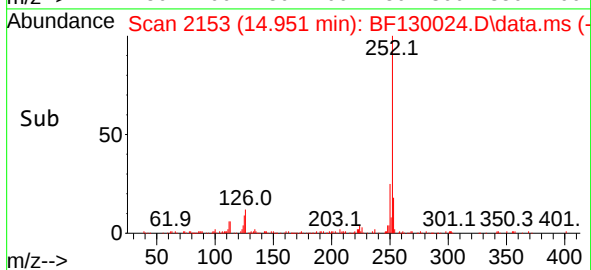
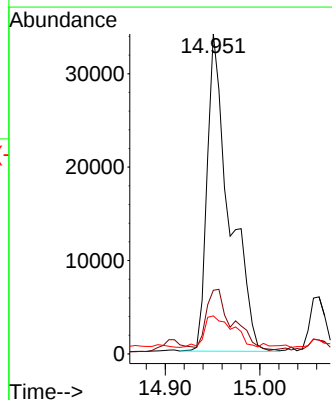
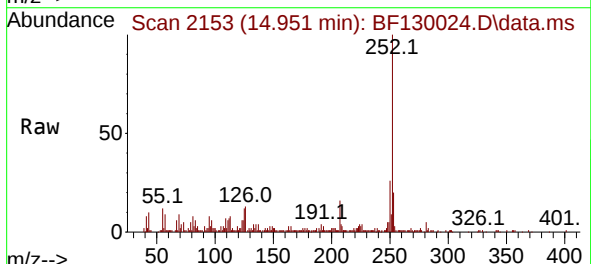
Instrument :
BNA_F
ClientSampleId :
B-2

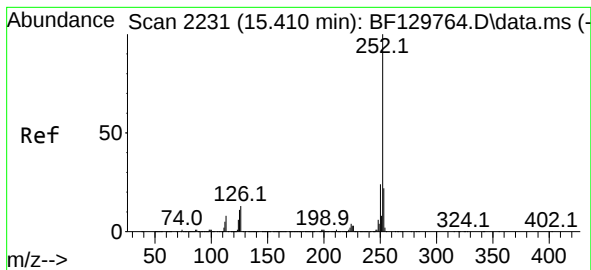
Tgt Ion:252 Resp: 55147
Ion Ratio Lower Upper
252 100
253 19.9 17.5 26.3
125 11.9 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 3.712 ng
RT: 14.951 min Scan# 2153
Delta R.T. -0.029 min
Lab File: BF130024.D
Acq: 26 Aug 2022 17:58

Tgt Ion:252 Resp: 55147
Ion Ratio Lower Upper
252 100
253 19.9 17.1 25.7
125 11.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 2.480 ng

RT: 15.310 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130024.D

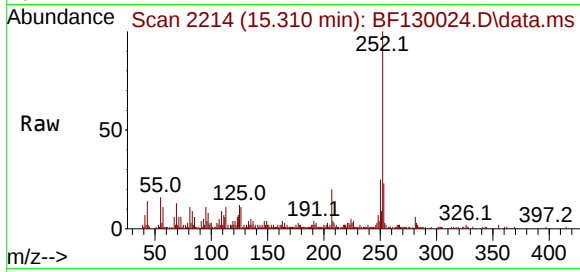
Acq: 26 Aug 2022 17:58

Instrument :

BNA_F

ClientSampleId :

B-2



Tgt Ion:252 Resp: 30255

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 12.1 8.8 13.2

