

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129824.D
 Acq On : 16 Aug 2022 22:23
 Operator : CG\JU
 Sample : N4188-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S3

Quant Time: Aug 17 02:39:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

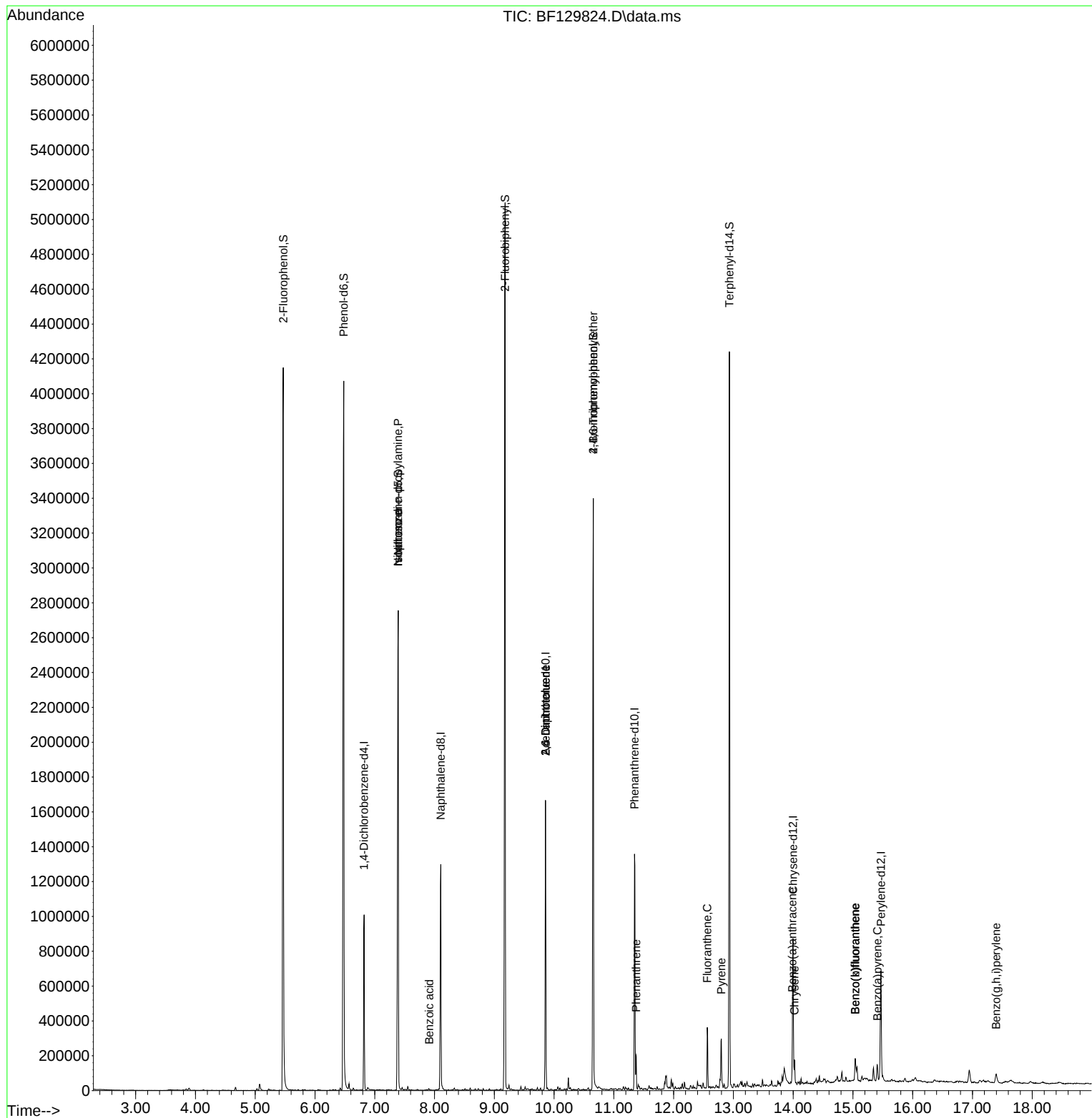
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149832	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	605399	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	314604	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	495706	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	252417	20.000	ng	0.00
86) Perylene-d12	15.468	264	282027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1210744	133.792	ng	0.00
7) Phenol-d6	6.481	99	1535262	135.475	ng	0.00
23) Nitrobenzene-d5	7.392	82	997848	88.234	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	404491	128.104	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1718477	82.962	ng	0.00
79) Terphenyl-d14	12.933	244	1366163	90.058	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	672	Below Cal	Qvalue	# 82
19) n-Nitroso-di-n-propyla...	7.392	70	133222	18.598	ng	# 75
25) Isophorone	7.392	82	997837	51.264	ng	# 65
32) Benzoic acid	7.910	122	94	2.183	ng	# 33
51) 2,6-Dinitrotoluene	9.857	165	41954	8.576	ng	# 22
57) 2,4-Dinitrotoluene	9.857	165	41954	6.606	ng	# 17
67) 4-Bromophenyl-phenylether	10.657	248	25201	4.341	ng	# 1
71) Phenanthrene	11.375	178	72788	2.629	ng	98
75) Fluoranthene	12.563	202	129224	4.561	ng	97
77) Benzidine	12.933	184	18720	Below Cal	#	90
78) Pyrene	12.798	202	114979	5.242	ng	98
81) Benzo(a)anthracene	13.986	228	43152	2.485	ng	98
83) Chrysene	14.021	228	47460	2.920	ng	95
88) Benzo(b)fluoranthene	15.039	252	90839	4.704	ng	97
89) Benzo(k)fluoranthene	15.039	252	90839	4.905	ng	98
90) Benzo(a)pyrene	15.410	252	47032	3.093	ng	97
92) Benzo(g,h,i)perylene	17.398	276	38375	2.408	ng	# 92

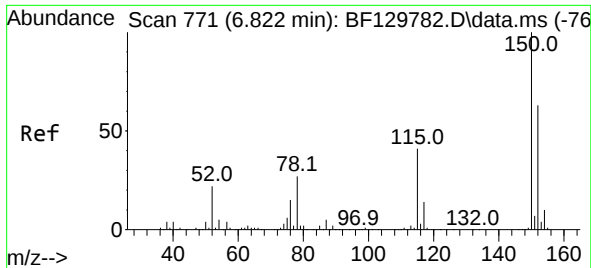
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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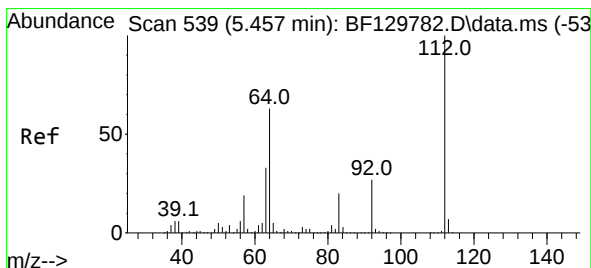
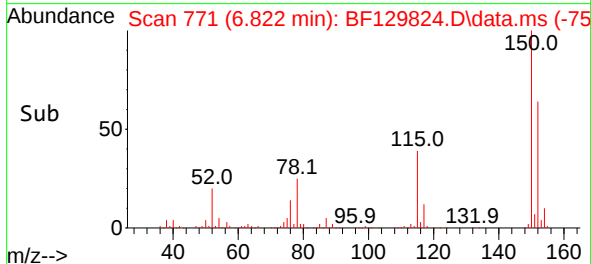
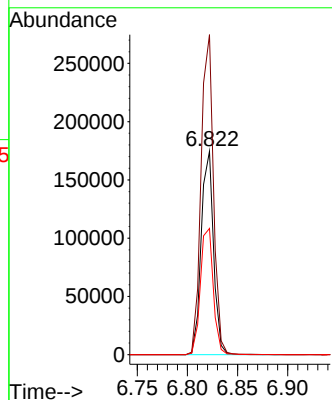
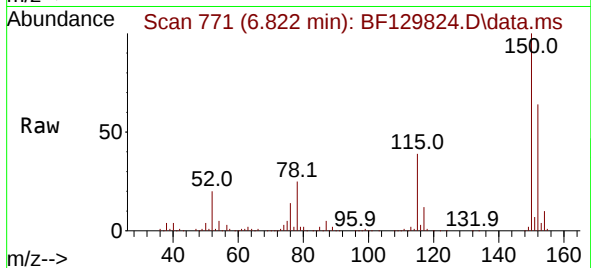




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

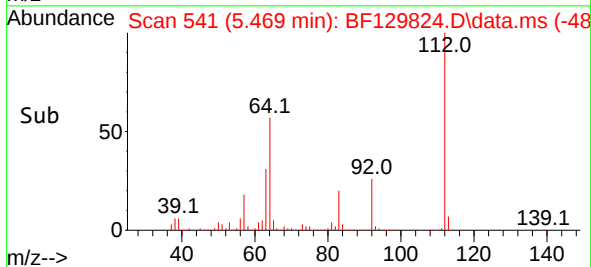
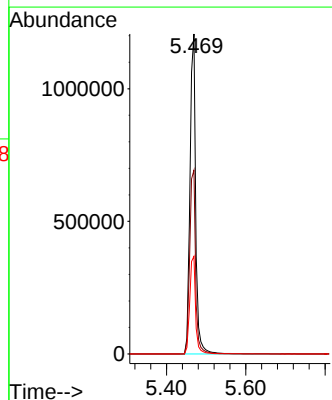
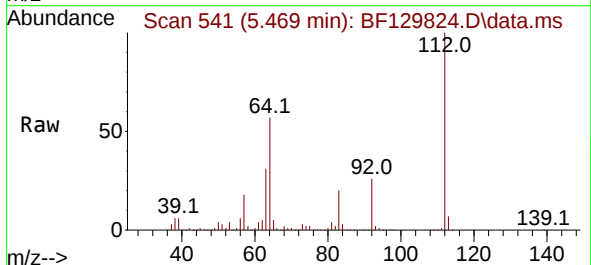
Instrument :
BNA_F
ClientSampleId :
S3

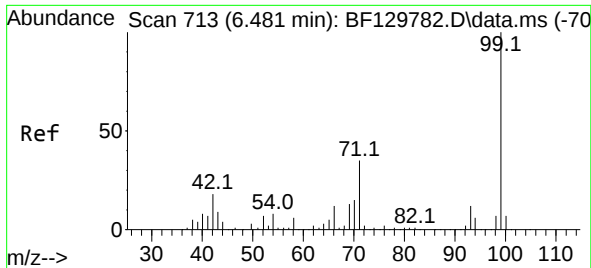
Tgt Ion:152 Resp: 149832
Ion Ratio Lower Upper
152 100
150 157.3 126.9 190.3
115 62.1 53.4 80.0



#5
2-Fluorophenol
Concen: 133.792 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:112 Resp: 1210744
Ion Ratio Lower Upper
112 100
64 57.4 47.6 71.4
63 30.5 24.6 37.0

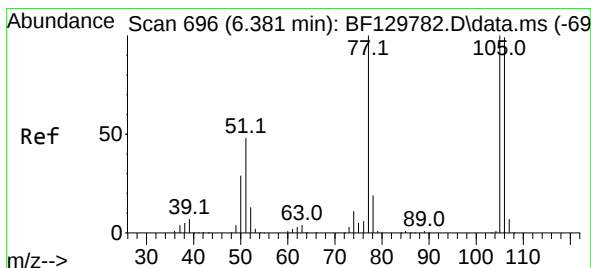
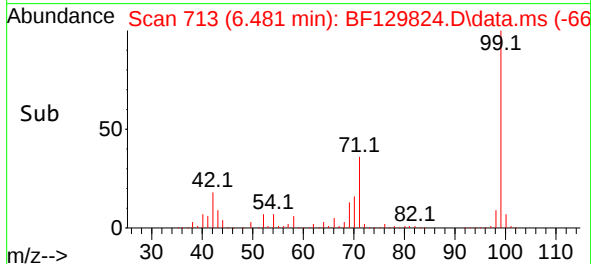
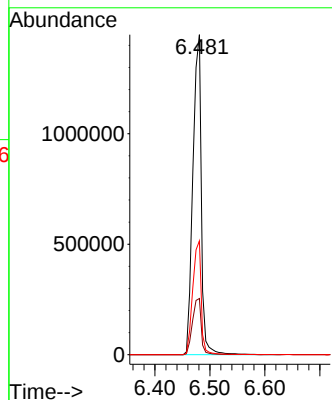
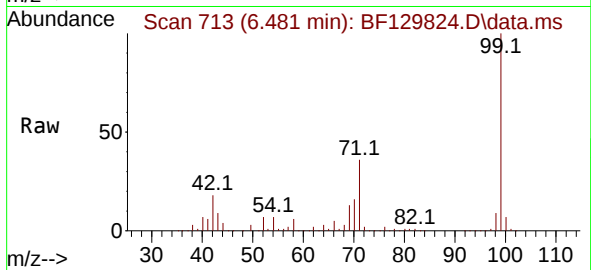




#7
Phenol-d6
Concen: 135.475 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

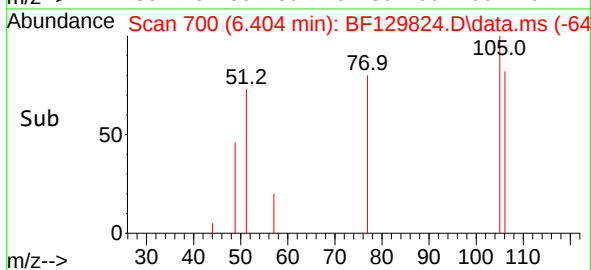
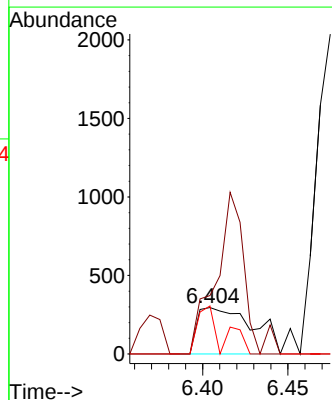
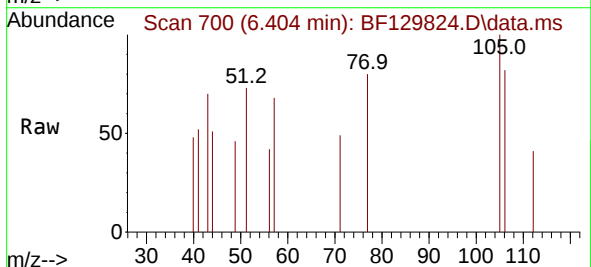
Instrument :
BNA_F
ClientSampleId :
S3

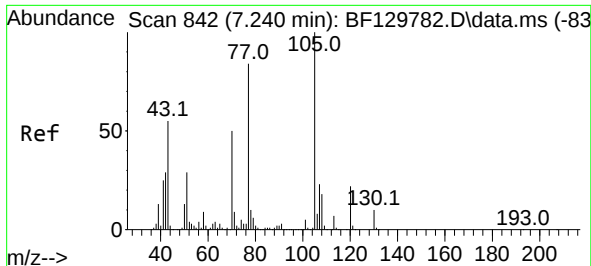
Tgt Ion: 99 Resp: 1535262
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.4
71 35.6 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 700
Delta R.T. 0.023 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion: 77 Resp: 672
Ion Ratio Lower Upper
77 100
105 125.7 80.3 120.3#
106 103.4 74.3 114.3

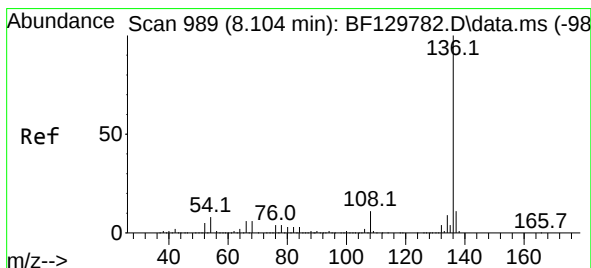
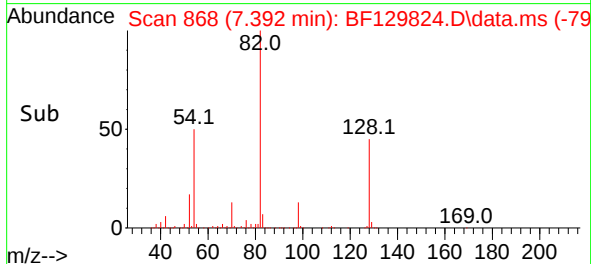
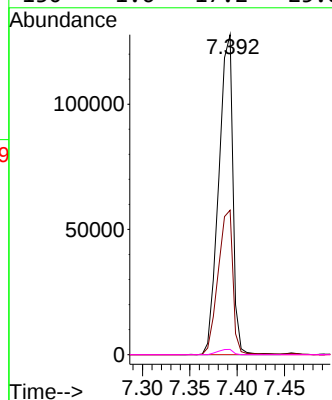
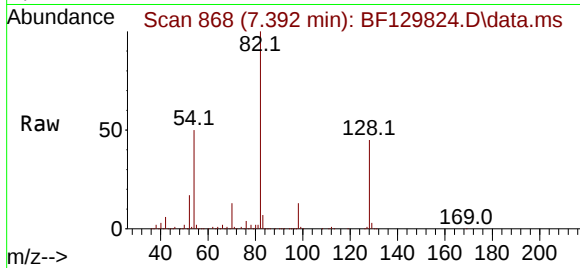




#19
n-Nitroso-di-n-propylamine
Concen: 18.598 ng
RT: 7.392 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

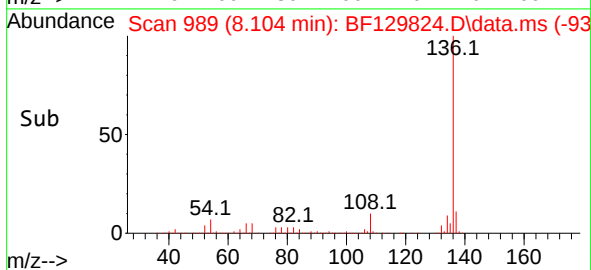
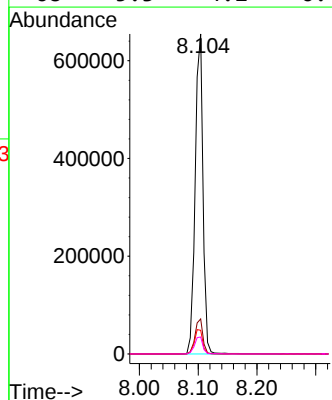
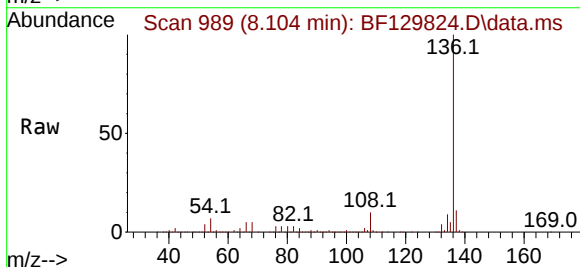
Instrument :
BNA_F
ClientSampleId :
S3

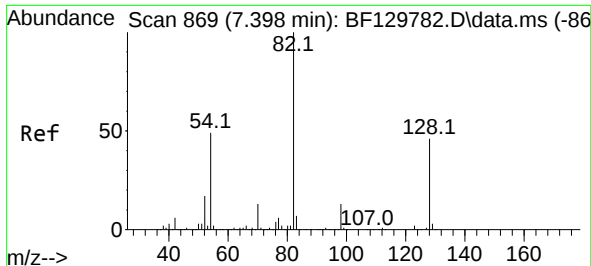
Tgt Ion: 70 Resp: 133222
Ion Ratio Lower Upper
70 100
42 45.2 47.6 71.4#
101 0.0 8.1 12.1#
130 1.6 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:136 Resp: 605399
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.4 6.2 9.2
68 5.3 4.2 6.4

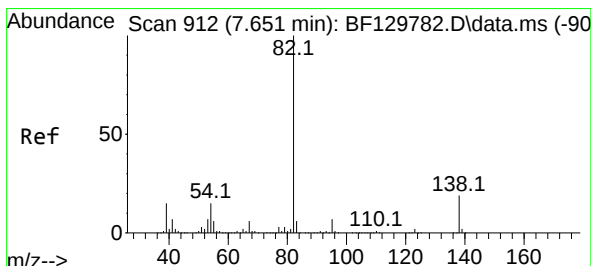
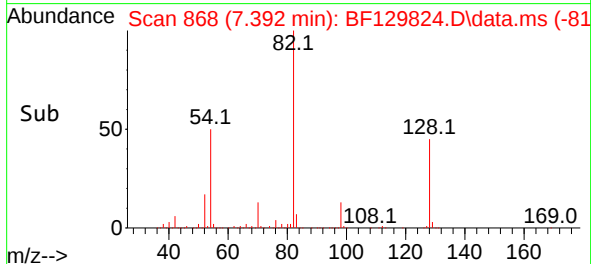
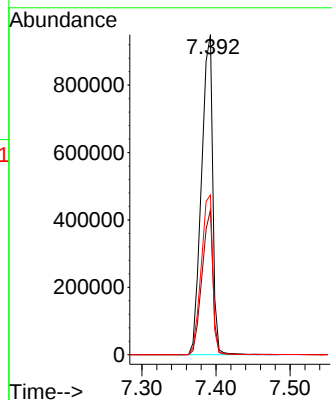
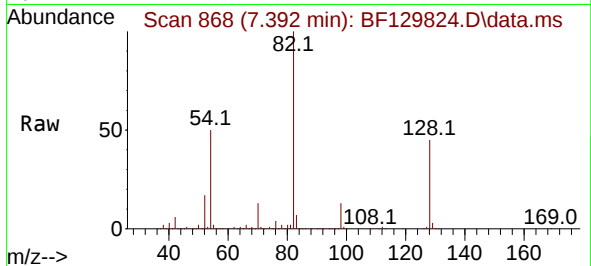




#23
Nitrobenzene-d5
Concen: 88.234 ng
RT: 7.392 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

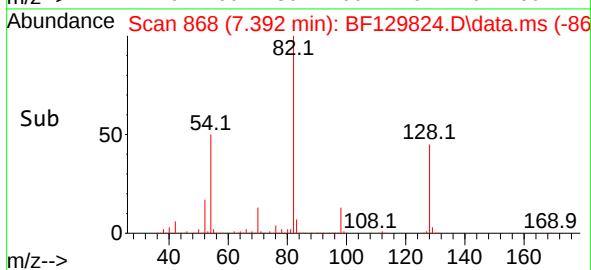
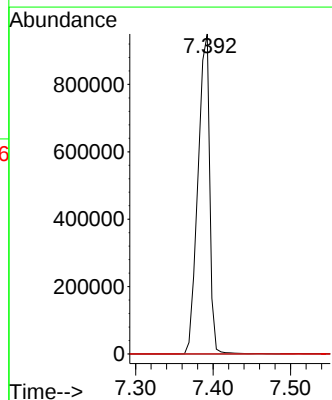
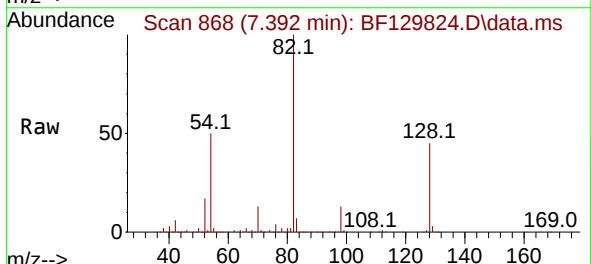
Instrument :
BNA_F
ClientSampleId :
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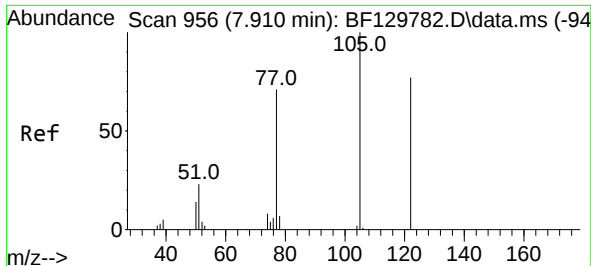
Tgt Ion: 82 Resp: 997848
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 49.9 40.0 60.0



#25
Isophorone
Concen: 51.264 ng
RT: 7.392 min Scan# 868
Delta R.T. -0.259 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion: 82 Resp: 997837
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

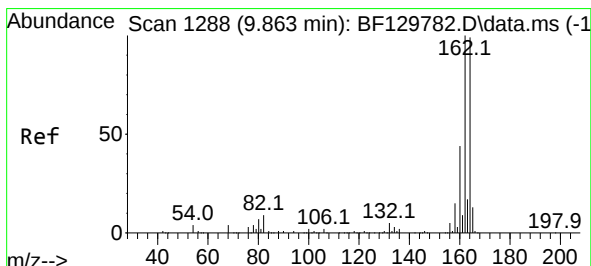
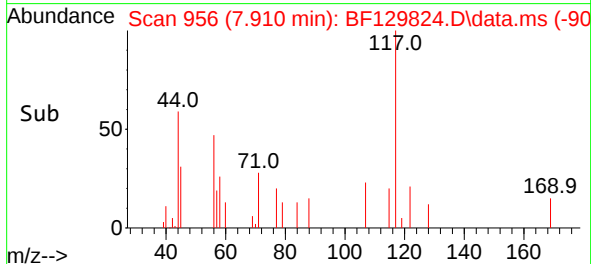
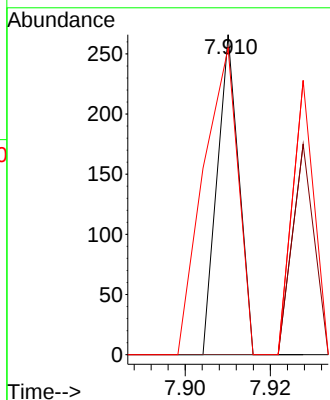
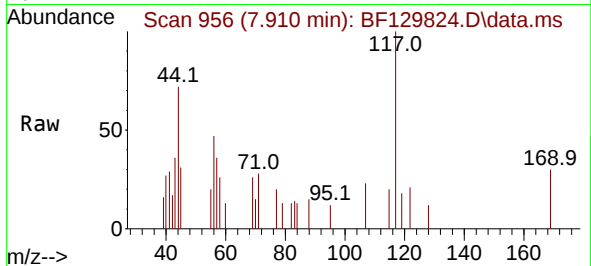




#32
Benzoic acid
Concen: 2.183 ng
RT: 7.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

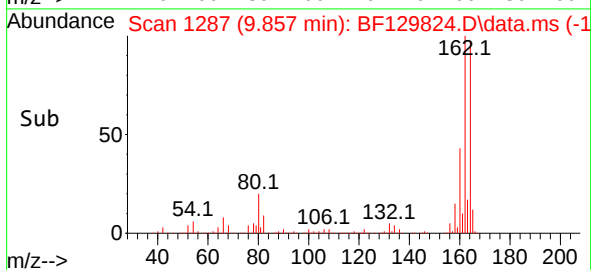
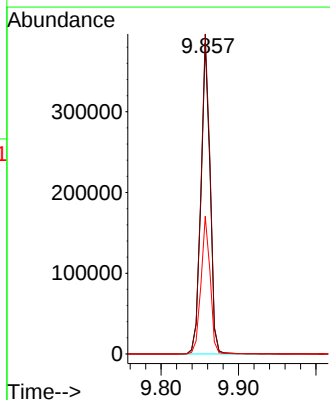
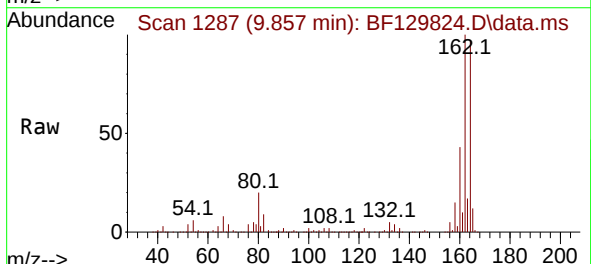
Instrument :
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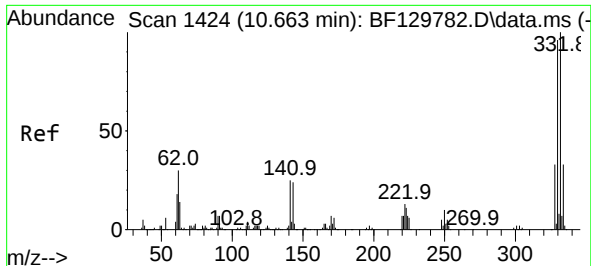
Tgt Ion:	122	Resp:	94
Ion	Ratio	Lower	Upper
122	100		
105	0.0	99.9	139.9#
77	95.9	65.9	105.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:	164	Resp:	314604
Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.0	123.0
160	44.2	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 128.104 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

Instrument :

BNA_F

ClientSampleId :

S3

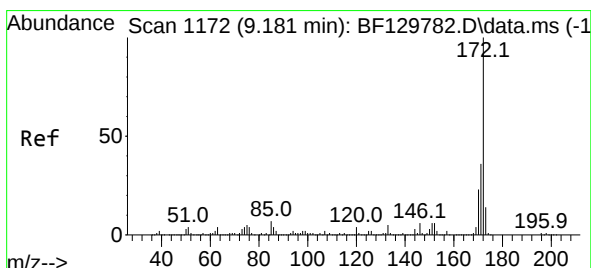
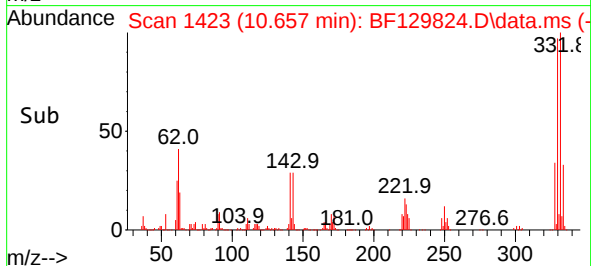
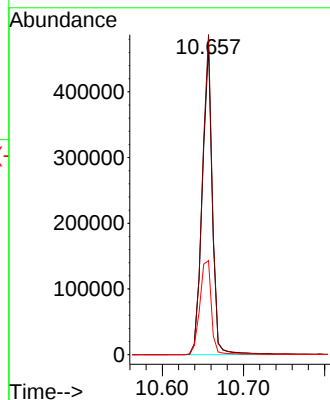
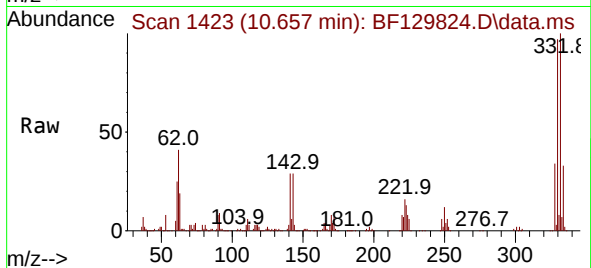
Tgt Ion:330 Resp: 404491

Ion Ratio Lower Upper

330 100

332 102.7 82.6 124.0

141 35.5 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 82.962 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

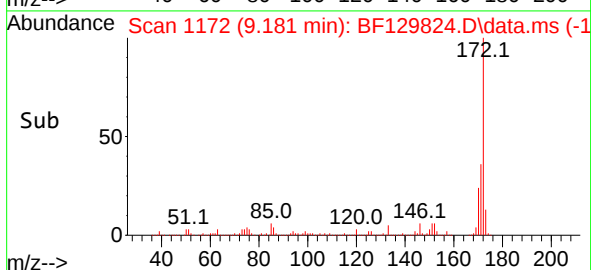
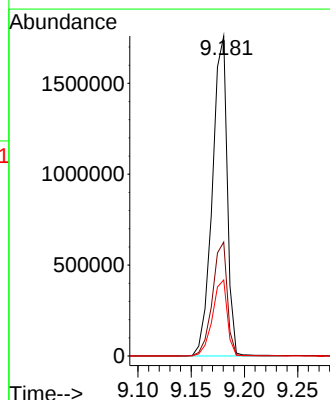
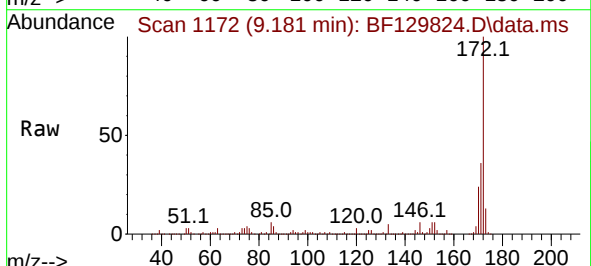
Tgt Ion:172 Resp: 1718477

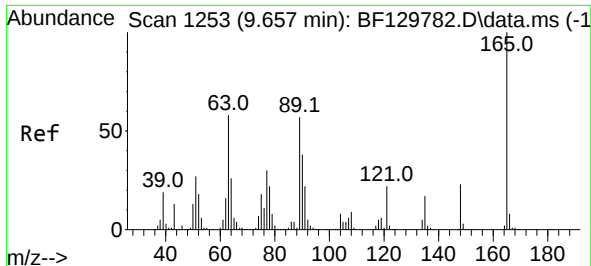
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.8 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.576 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

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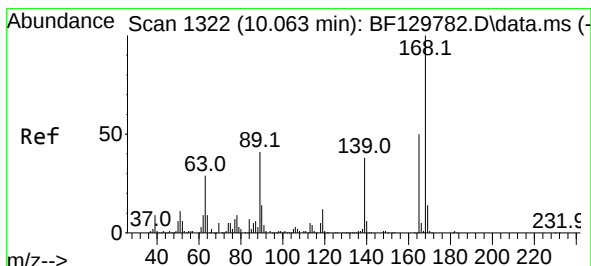
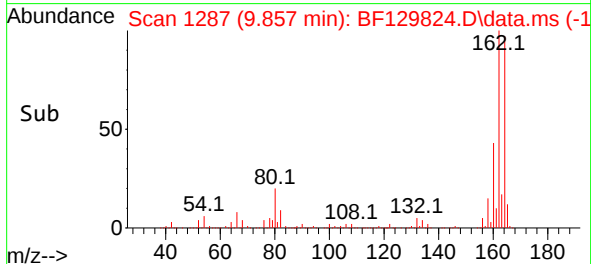
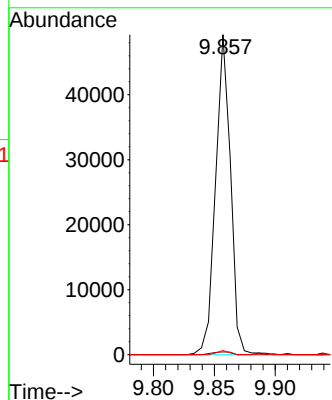
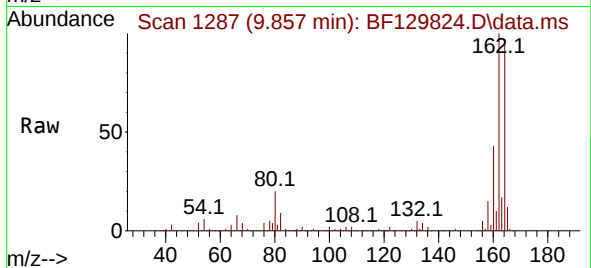
Tgt Ion:165 Resp: 41954

Ion Ratio Lower Upper

165 100

63 0.8 47.8 71.8#

89 1.3 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.606 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

Tgt Ion:165 Resp: 41954

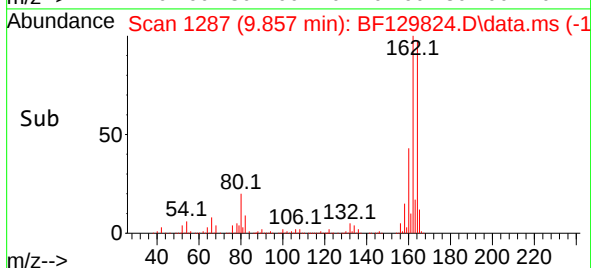
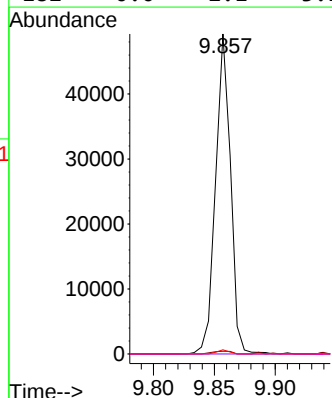
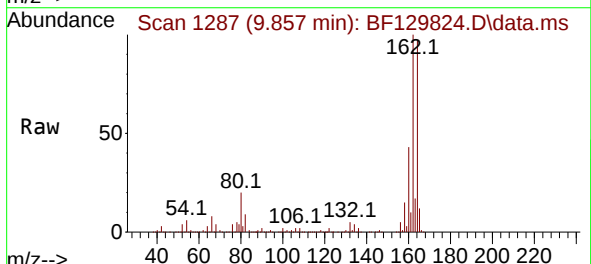
Ion Ratio Lower Upper

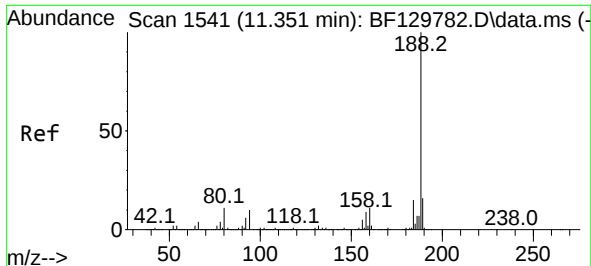
165 100

63 0.8 48.4 72.6#

89 1.3 62.3 93.5#

182 0.0 2.1 3.1#

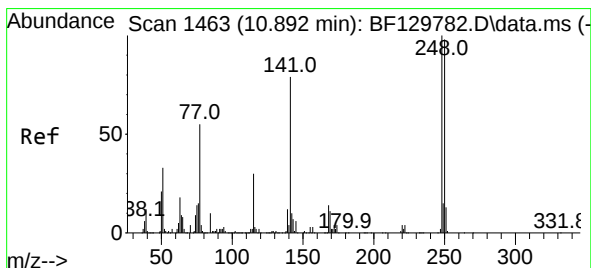
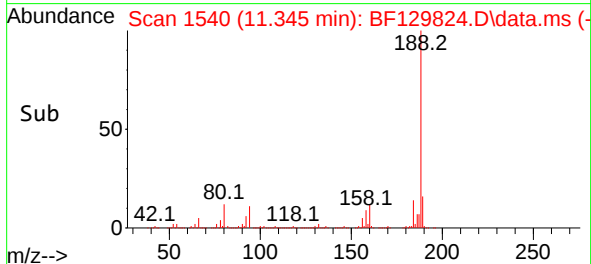
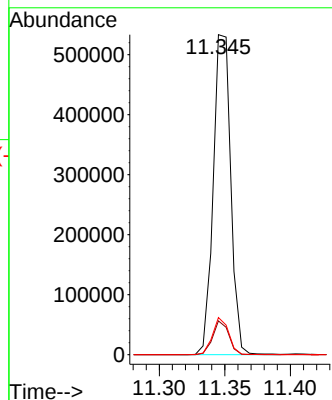
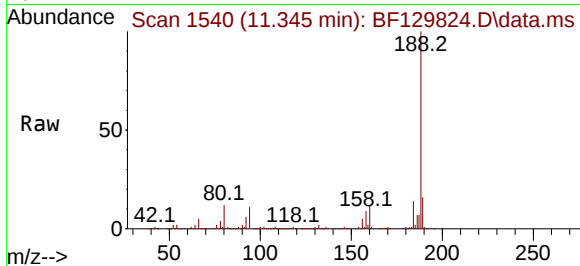




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

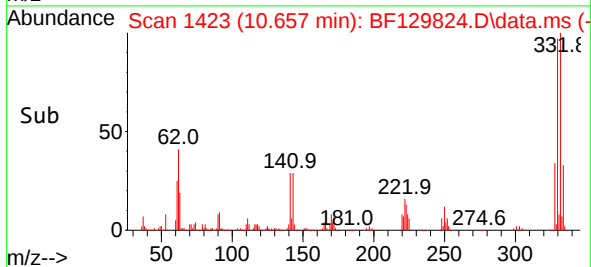
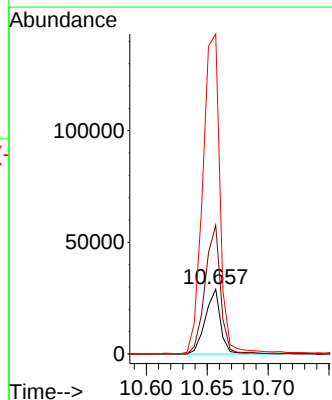
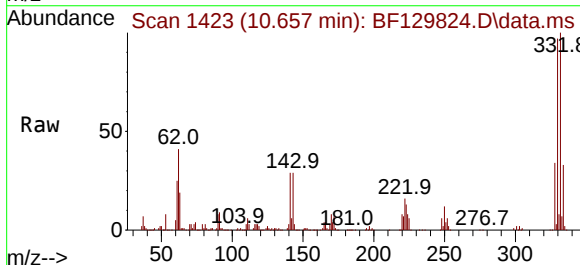
Instrument :
BNA_F
ClientSampleId :
S3

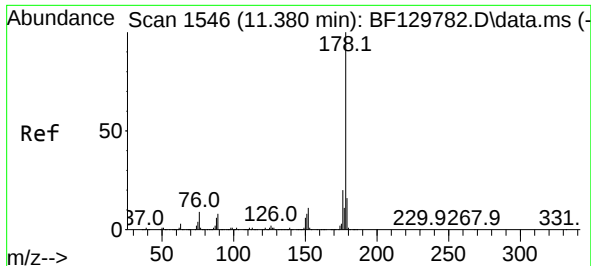
Tgt Ion:188 Resp: 495706
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.2
80 11.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.341 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.235 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:248 Resp: 25201
Ion Ratio Lower Upper
248 100
250 198.6 77.8 116.6#
141 493.9 66.2 99.2#

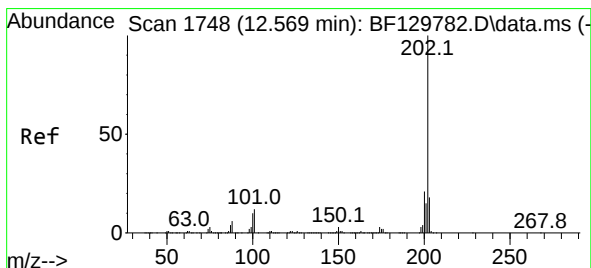
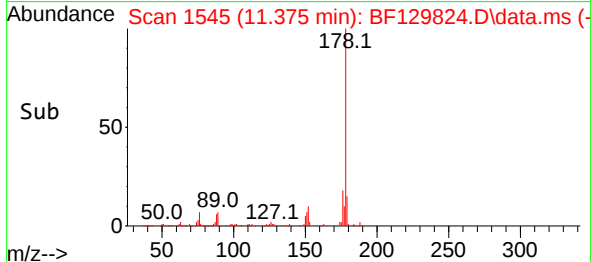
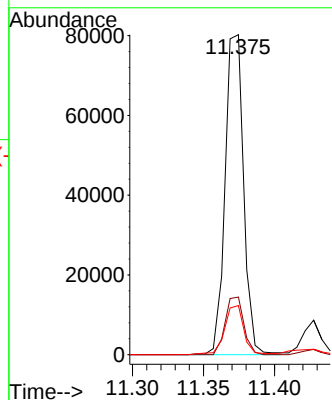
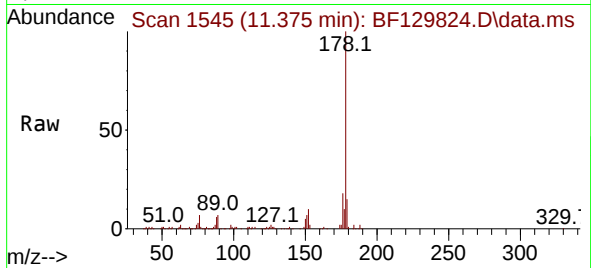




#71
Phenanthrene
Concen: 2.629 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

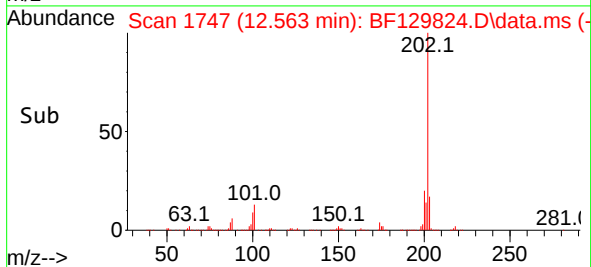
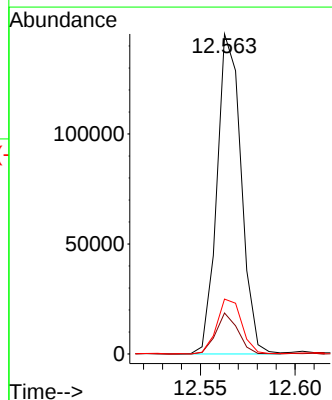
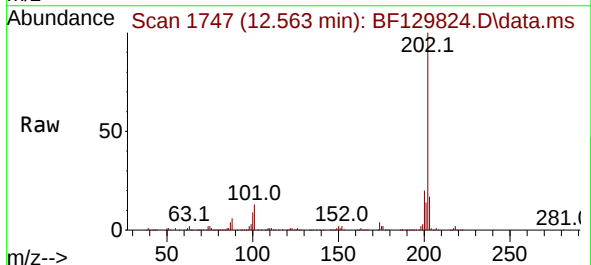
Instrument :
BNA_F
ClientSampleId :
S3

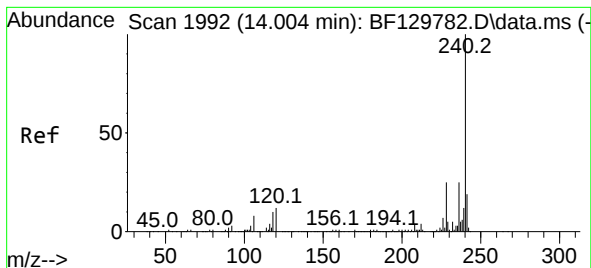
Tgt Ion:178 Resp: 72788
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 4.561 ng
RT: 12.563 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:202 Resp: 129224
Ion Ratio Lower Upper
202 100
101 12.8 0.0 30.7
203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

Instrument :

BNA_F

ClientSampleId :

S3

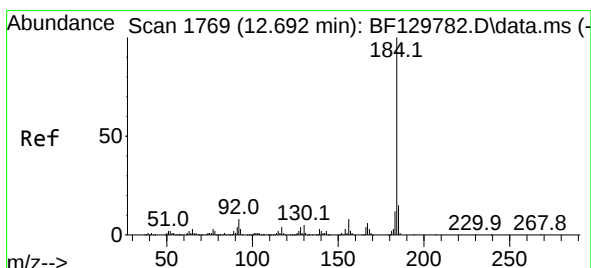
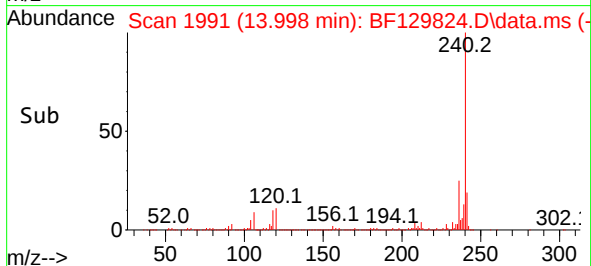
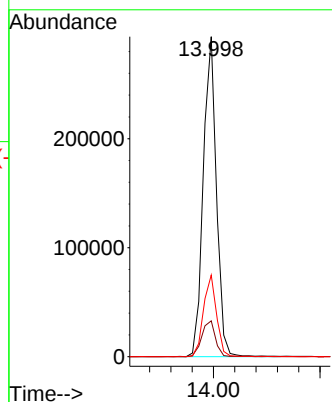
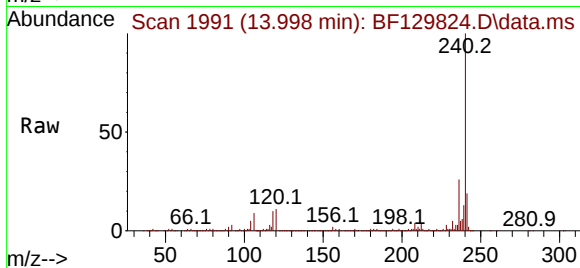
Tgt Ion:240 Resp: 252417

Ion Ratio Lower Upper

240 100

120 11.2 9.2 13.8

236 25.5 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.933 min Scan# 1810

Delta R.T. 0.241 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

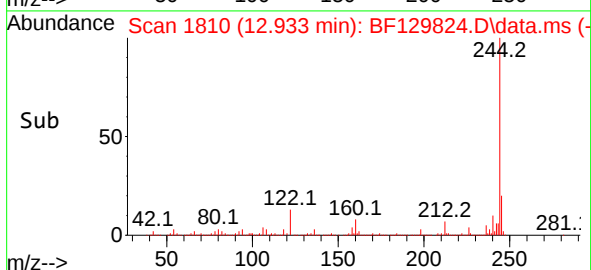
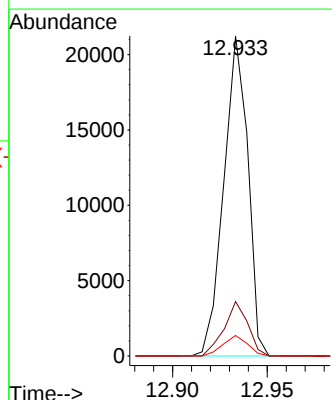
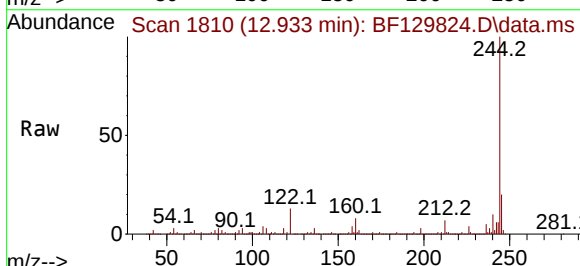
Tgt Ion:184 Resp: 18720

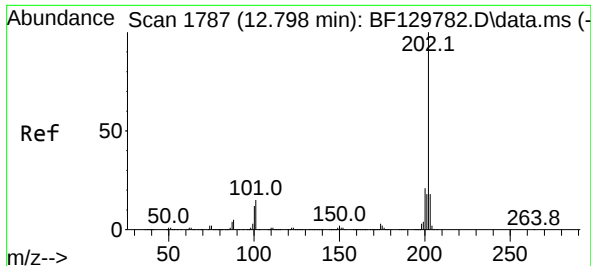
Ion Ratio Lower Upper

184 100

185 17.0 11.4 17.2

183 6.4 9.4 14.2#

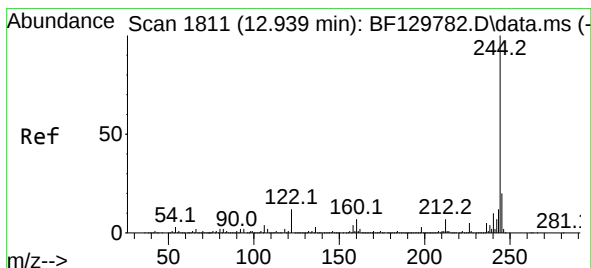
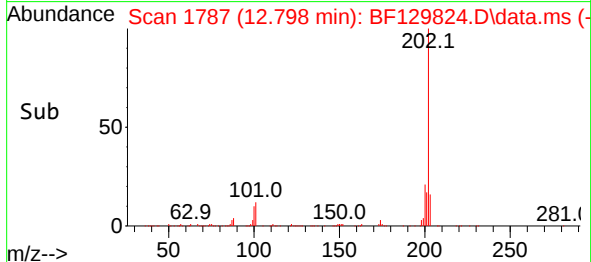
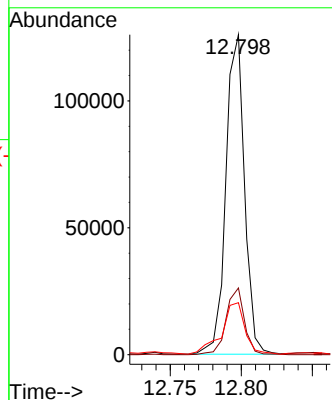
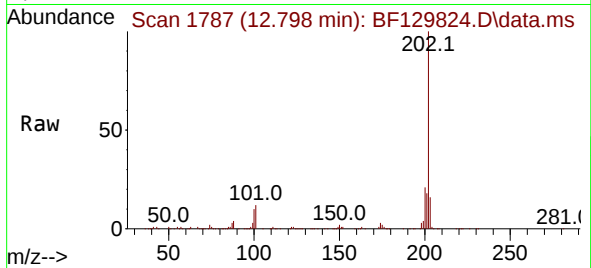




#78
Pyrene
Concen: 5.242 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

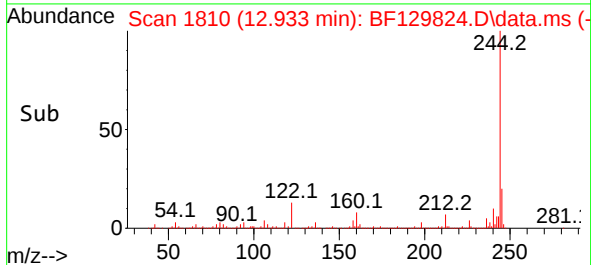
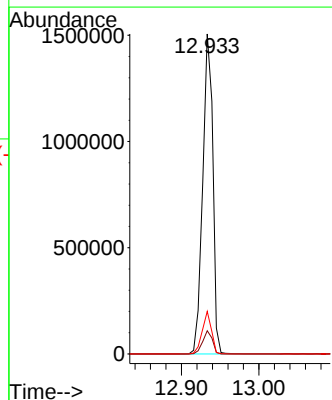
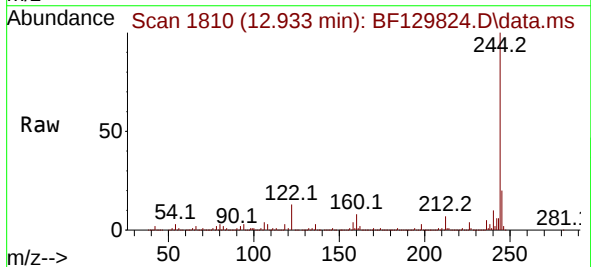
Instrument :
BNA_F
ClientSampleId :
S3

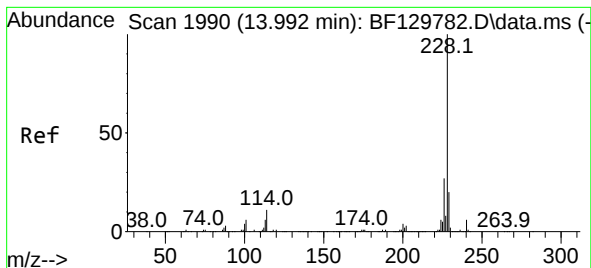
Tgt Ion:202 Resp: 114979
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 16.3 14.1 21.1



#79
Terphenyl-d14
Concen: 90.058 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:244 Resp: 1366163
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 13.3 9.9 14.9





#81

Benzo(a)anthracene

Concen: 2.485 ng

RT: 13.986 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

Instrument :

BNA_F

ClientSampleId :

S3

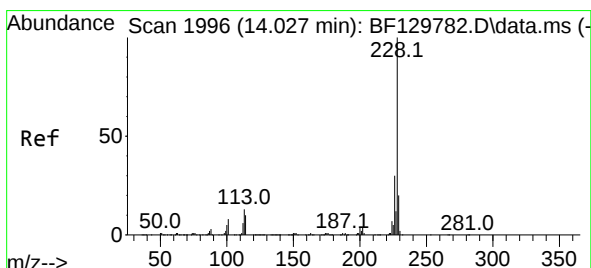
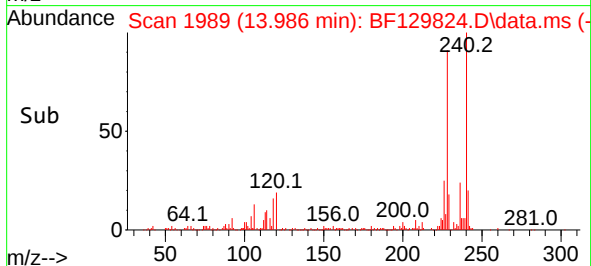
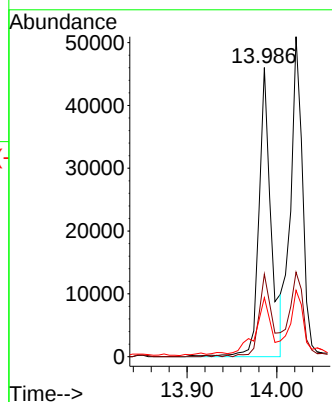
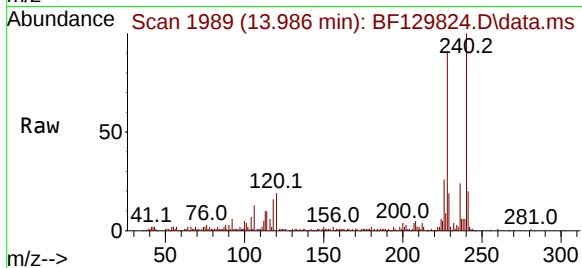
Tgt Ion:228 Resp: 43152

Ion Ratio Lower Upper

228 100

226 28.6 21.4 32.0

229 20.4 16.1 24.1



#83

Chrysene

Concen: 2.920 ng

RT: 14.021 min Scan# 1995

Delta R.T. -0.012 min

Lab File: BF129824.D

Acq: 16 Aug 2022 22:23

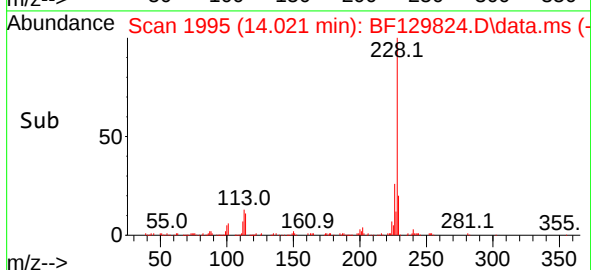
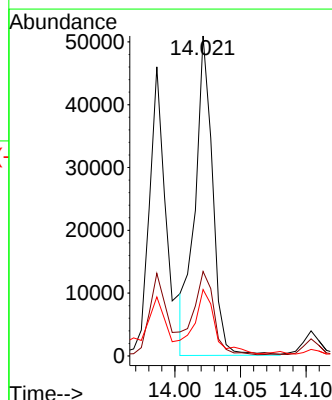
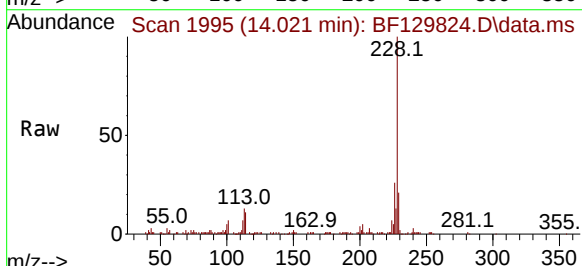
Tgt Ion:228 Resp: 47460

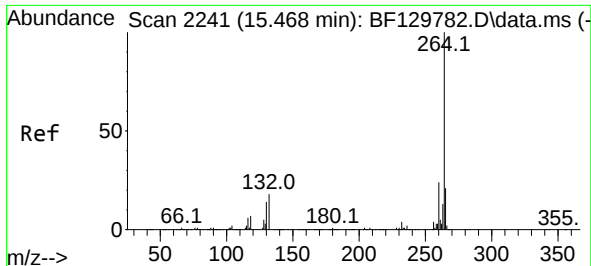
Ion Ratio Lower Upper

228 100

226 26.4 24.4 36.6

229 20.7 15.9 23.9

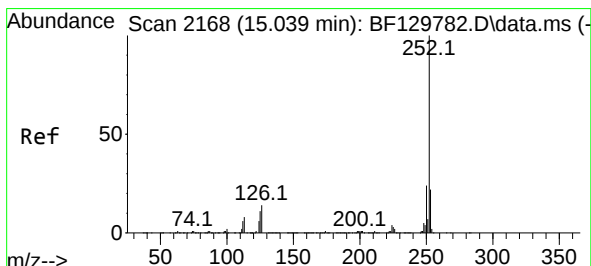
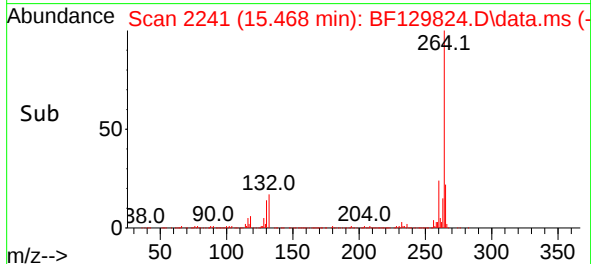
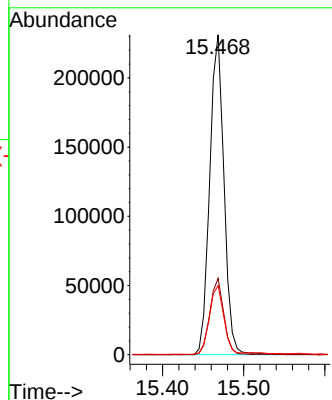
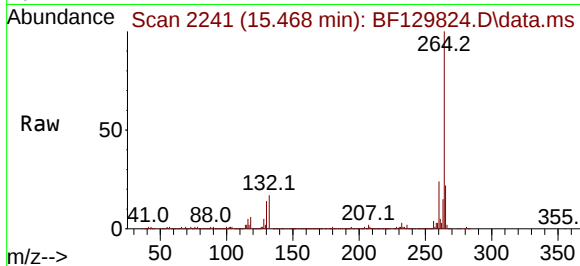




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

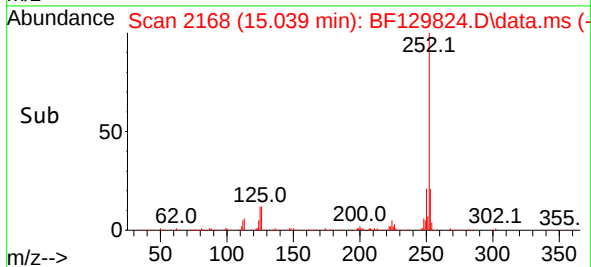
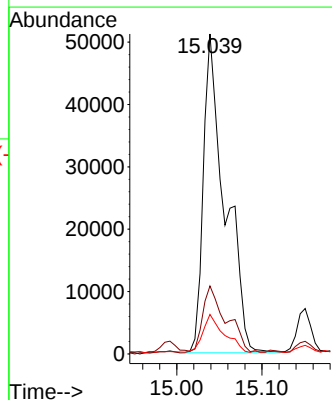
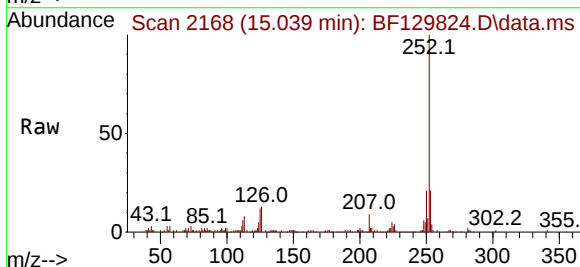
Instrument :
BNA_F
ClientSampleId :
S3

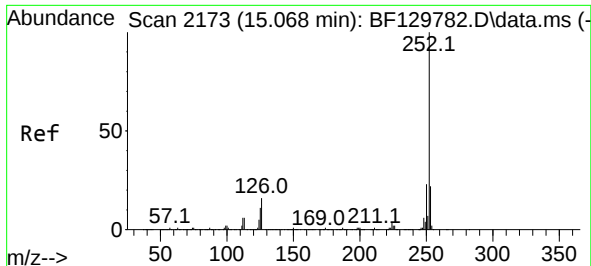
Tgt Ion:264 Resp: 282027
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.6 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 4.704 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:252 Resp: 90839
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 12.4 8.3 12.5

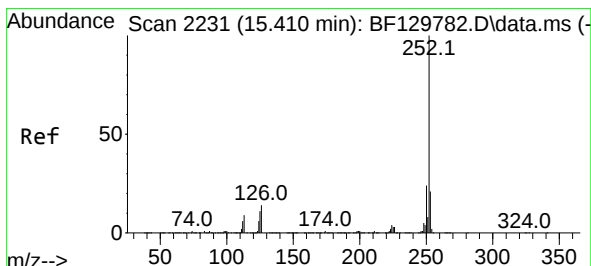
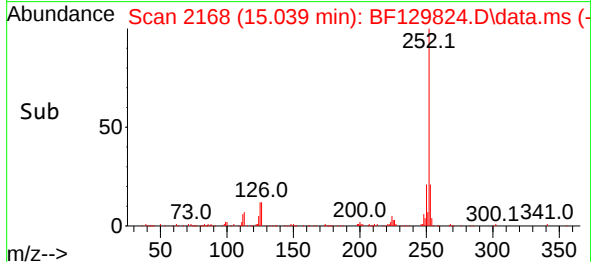
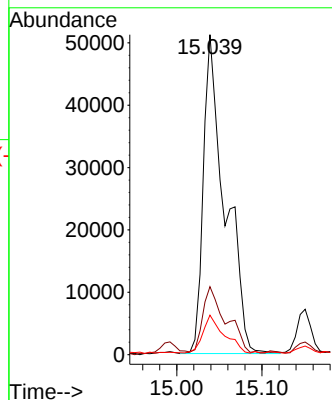
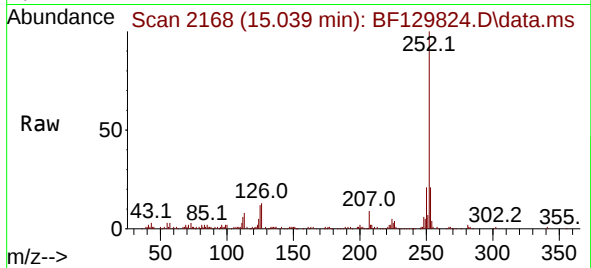




#89
Benzo(k)fluoranthene
Concen: 4.905 ng
RT: 15.039 min Scan# 2173
Delta R.T. -0.029 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

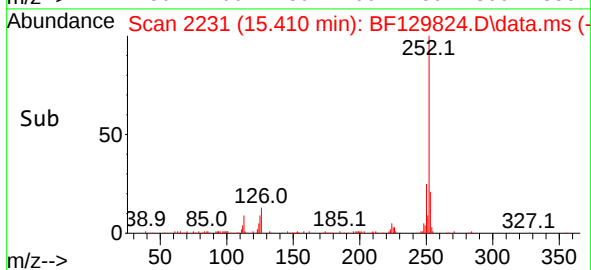
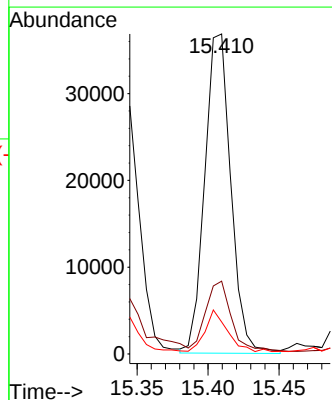
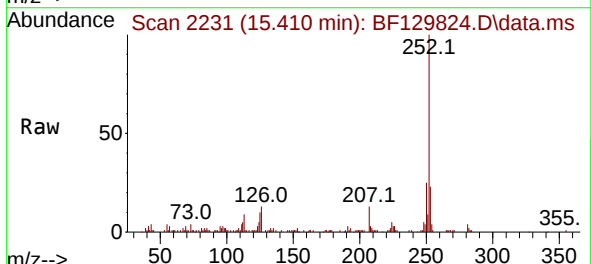
Instrument :
BNA_F
ClientSampleId :
S3

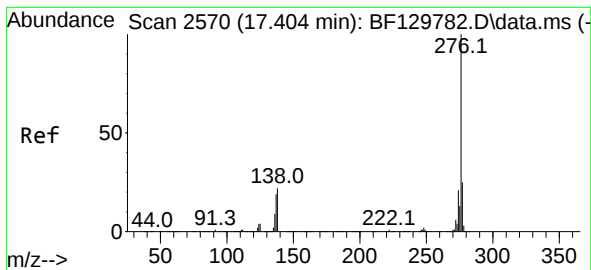
Tgt Ion:252 Resp: 90839
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 12.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 3.093 ng
RT: 15.410 min Scan# 2231
Delta R.T. -0.000 min
Lab File: BF129824.D
Acq: 16 Aug 2022 22:23

Tgt Ion:252 Resp: 47032
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 10.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.408 ng

RT: 17.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129824.D

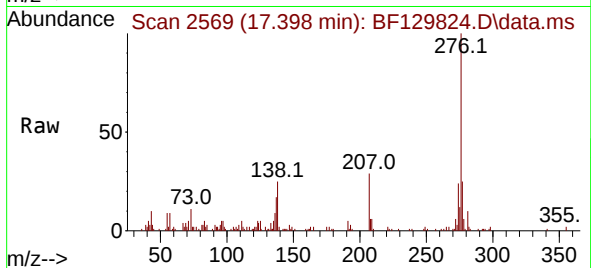
Acq: 16 Aug 2022 22:23

Instrument :

BNA_F

ClientSampleId :

S3



Tgt Ion:276 Resp: 38375

Ion Ratio Lower Upper

276 100

277 25.1 18.2 27.4

138 24.8 15.8 23.8#

