

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129825.D
 Acq On : 16 Aug 2022 22:56
 Operator : CG\JU
 Sample : N4215-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Aug 17 02:40:09 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

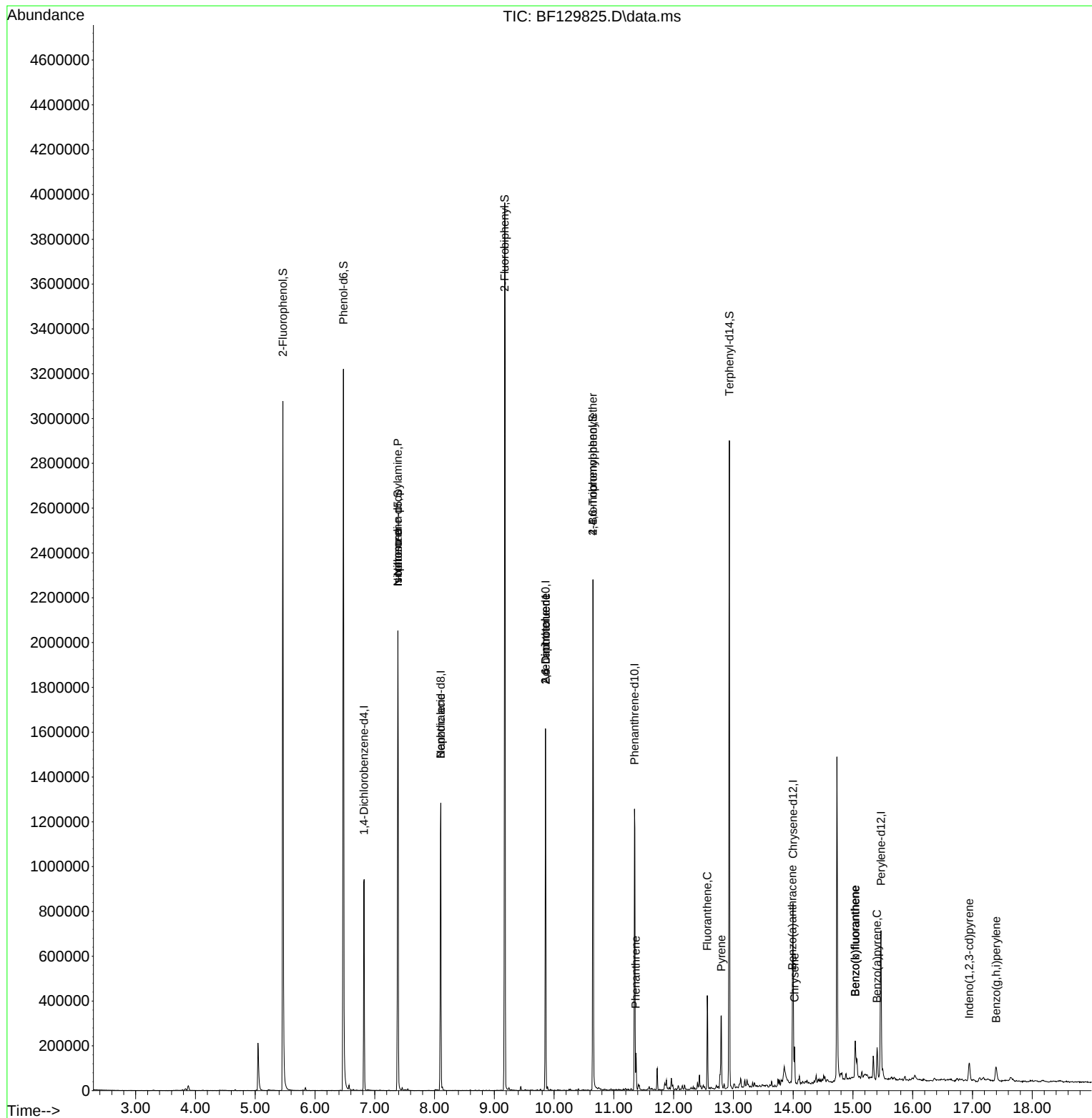
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	147165	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	588957	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	302619	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	462540	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	243668	20.000	ng	0.00
86) Perylene-d12	15.468	264	288891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	824670	92.781	ng	0.00
7) Phenol-d6	6.475	99	1055494	94.827	ng	0.00
23) Nitrobenzene-d5	7.386	82	669461	60.849	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	250562	82.497	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1232860	61.876	ng	-0.01
79) Terphenyl-d14	12.933	244	890481	60.808	ng	0.00
Target Compounds						
9) Benzaldehyde	6.475	77	1746	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.386	70	89192	12.677	ng	# 76
25) Isophorone	7.386	82	669566	35.359	ng	# 65
32) Benzoic acid	8.104	122	61	2.171	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	38450	8.171	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	38450	6.294	ng	# 18
67) 4-Bromophenyl-phenylether	10.651	248	15836	2.923	ng	# 1
71) Phenanthrene	11.369	178	57530	2.227	ng	99
75) Fluoranthene	12.563	202	155914	5.898	ng	98
77) Benzidine	12.933	184	12028	Below Cal	#	92
78) Pyrene	12.798	202	137630	6.500	ng	97
81) Benzo(a)anthracene	13.986	228	60239	3.594	ng	98
83) Chrysene	14.021	228	57094	3.639	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	47996	2.420	ng	99
88) Benzo(b)fluoranthene	15.039	252	118179	5.974	ng	98
89) Benzo(k)fluoranthene	15.039	252	118179	6.229	ng	98
90) Benzo(a)pyrene	15.404	252	66263	4.254	ng	97
92) Benzo(g,h,i)perylene	17.398	276	47434	2.905	ng	98

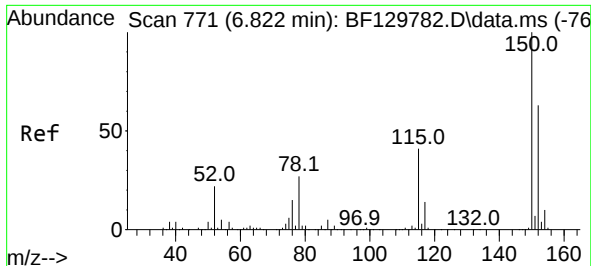
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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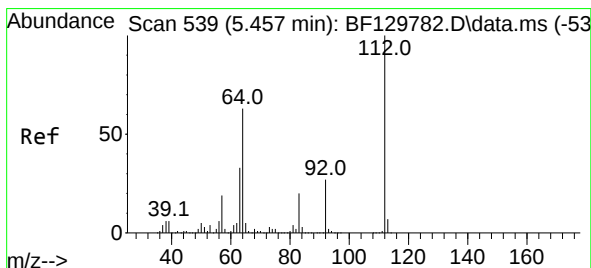
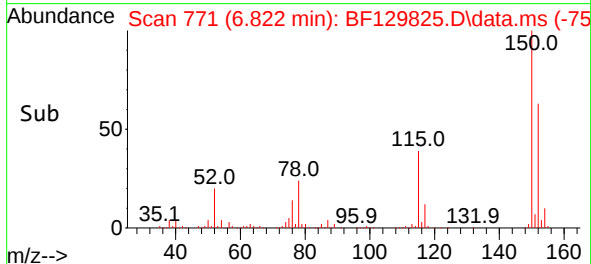
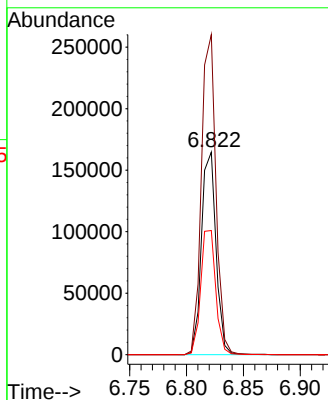
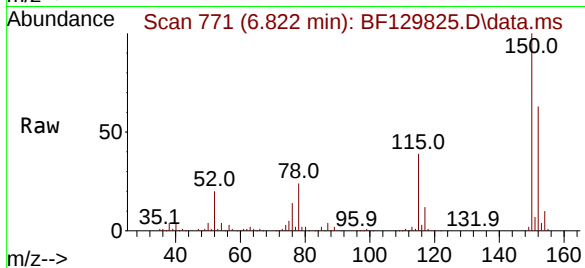




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

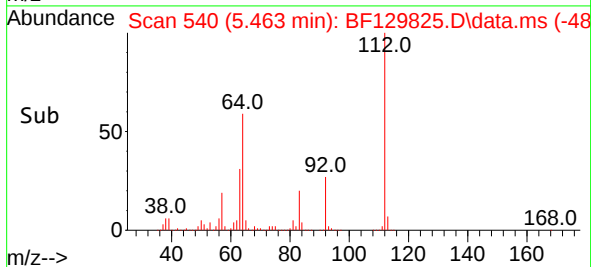
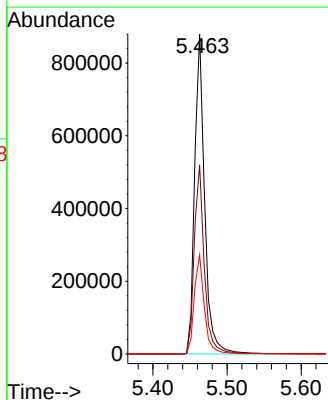
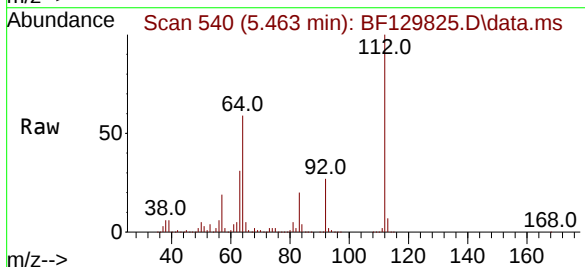
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BNA_F
ClientSampleId :
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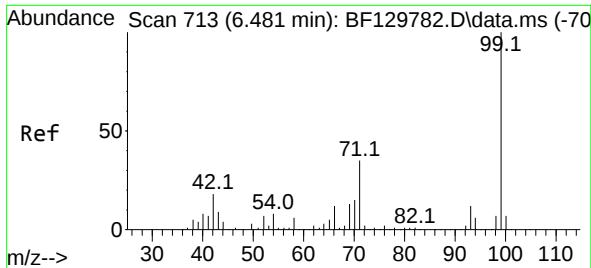
Tgt Ion:152 Resp: 147165
Ion Ratio Lower Upper
152 100
150 157.9 126.9 190.3
115 61.3 53.4 80.0



#5
2-Fluorophenol
Concen: 92.781 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:112 Resp: 824670
Ion Ratio Lower Upper
112 100
64 59.1 47.6 71.4
63 30.9 24.6 37.0

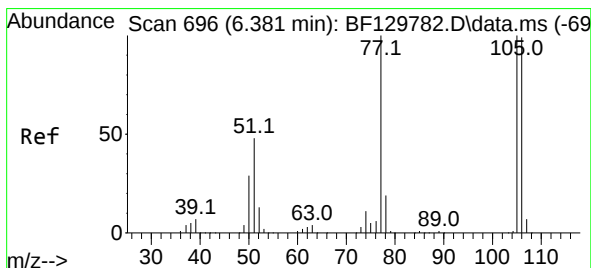
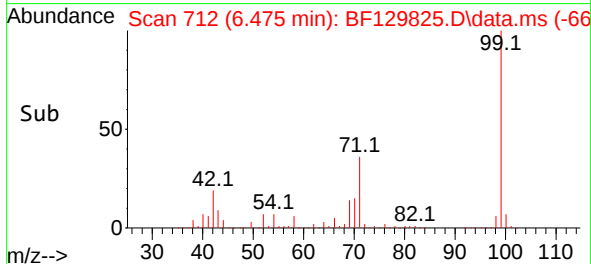
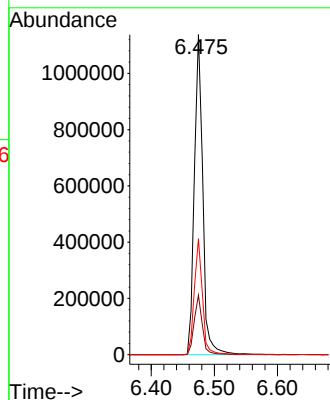
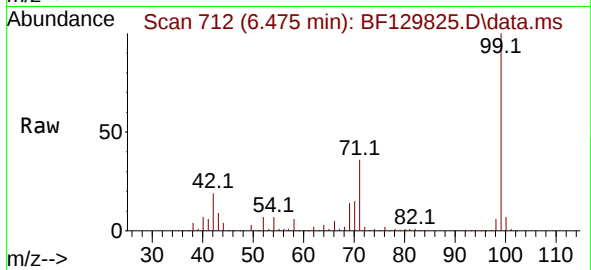




#7
Phenol-d6
Concen: 94.827 ng
RT: 6.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

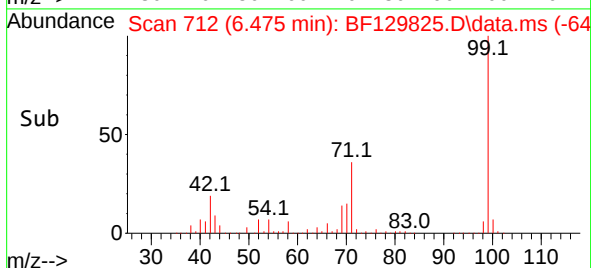
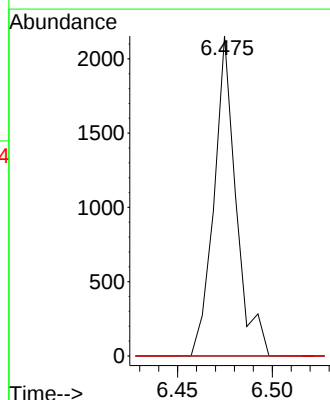
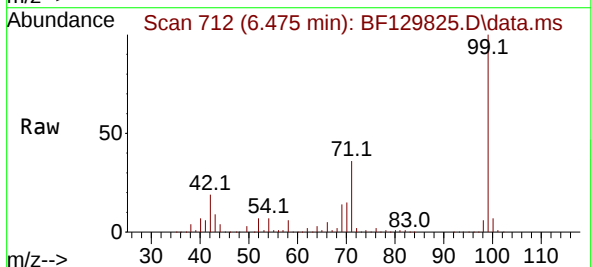
Instrument :
BNA_F
ClientSampleId :
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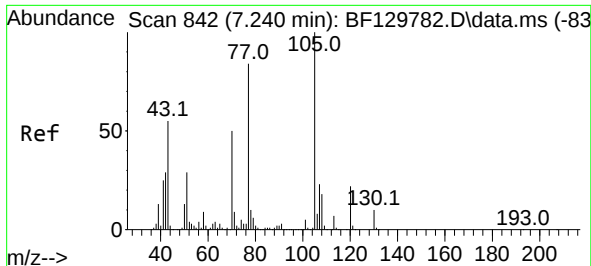
Tgt Ion: 99 Resp: 1055494
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 36.2 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.475 min Scan# 712
Delta R.T. 0.094 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion: 77 Resp: 1746
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

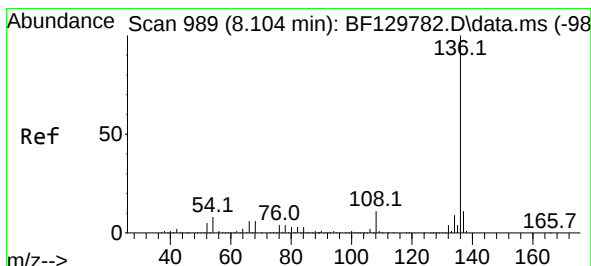
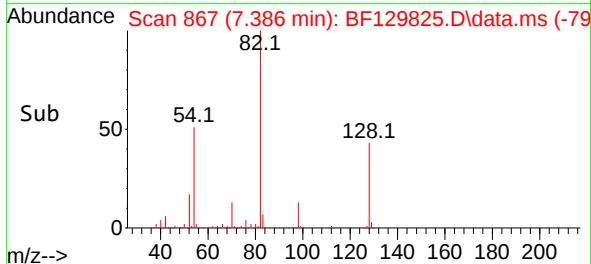
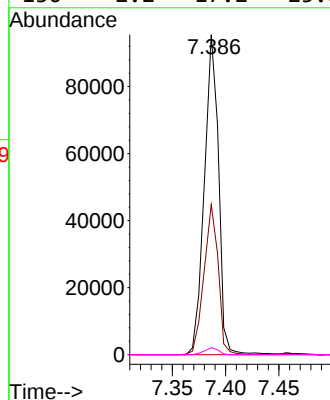
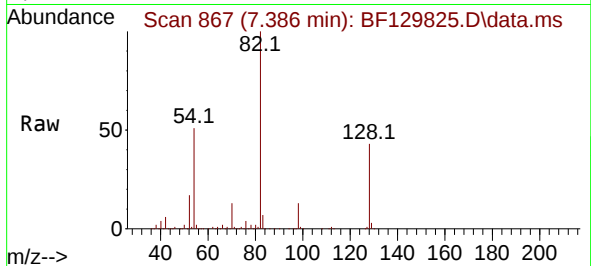




#19
n-Nitroso-di-n-propylamine
Concen: 12.677 ng
RT: 7.386 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

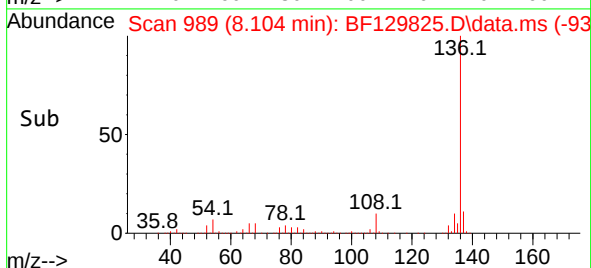
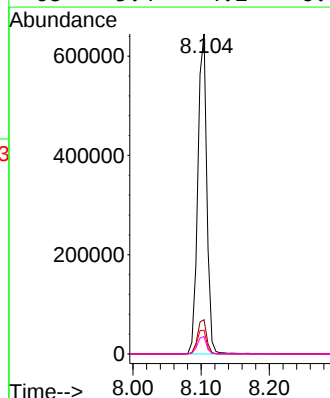
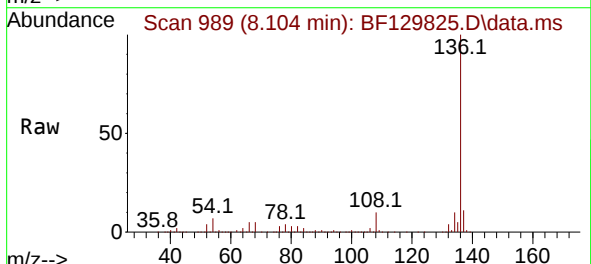
Instrument :
BNA_F
ClientSampleId :
WC-3

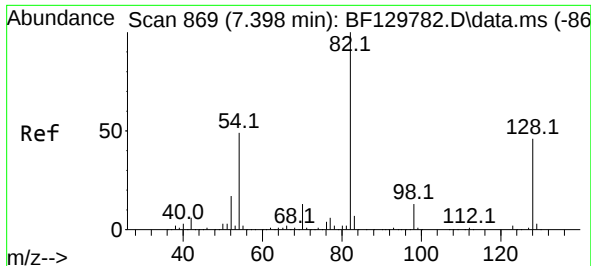
Tgt Ion:	70	Resp:	89192
Ion	Ratio	Lower	Upper
70	100		
42	46.9	47.6	71.4#
101	0.0	8.1	12.1#
130	2.2	17.2	25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:	136	Resp:	588957
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.2	9.2
68	5.4	4.2	6.4

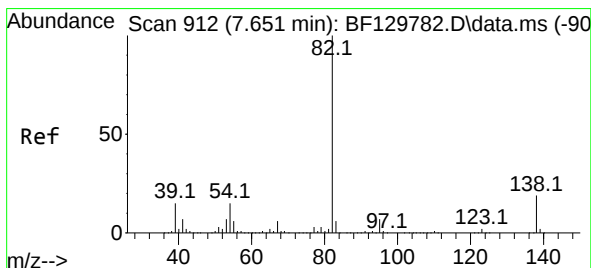
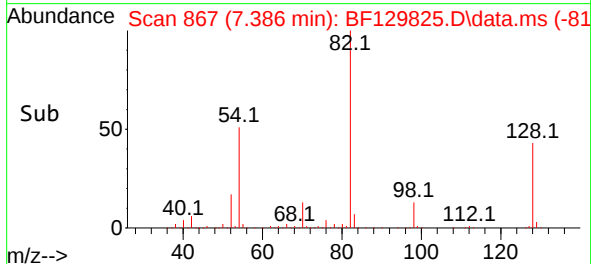
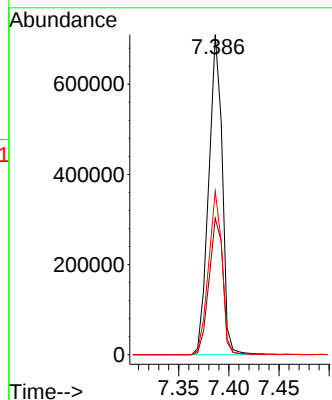
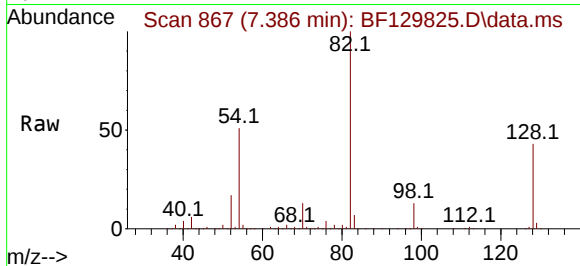




#23
Nitrobenzene-d5
Concen: 60.849 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

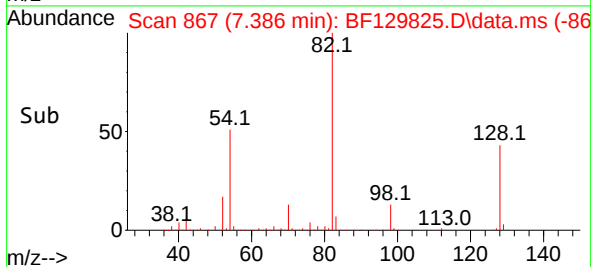
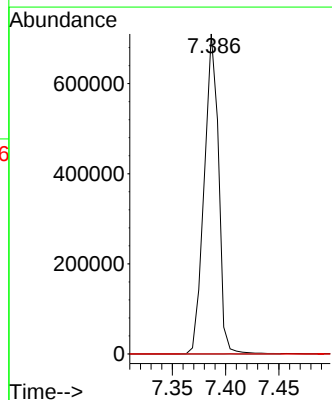
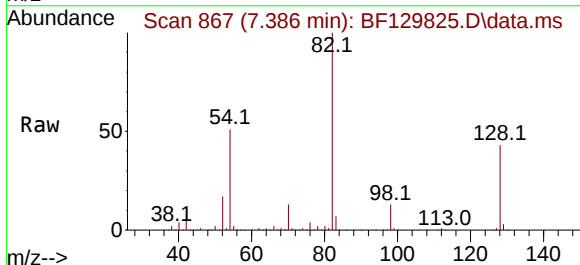
Instrument :
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ClientSampleId :
WC-3

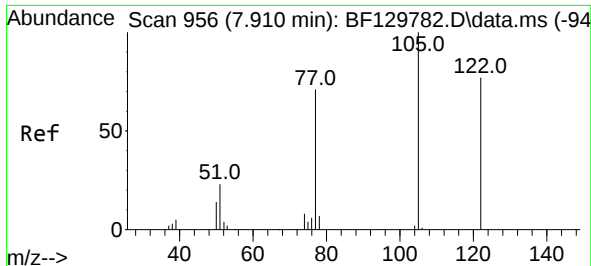
Tgt Ion: 82 Resp: 669461
Ion Ratio Lower Upper
82 100
128 42.7 36.1 54.1
54 51.1 40.0 60.0



#25
Isophorone
Concen: 35.359 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion: 82 Resp: 669566
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

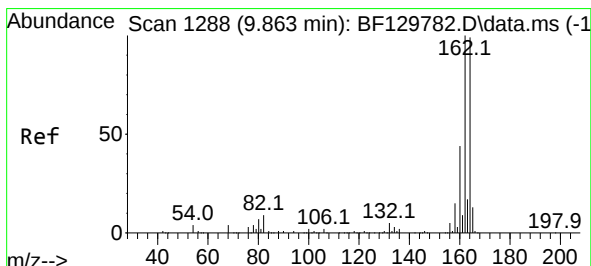
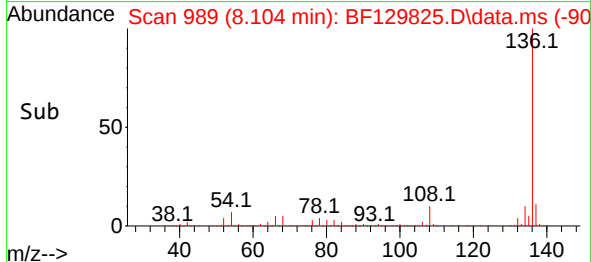
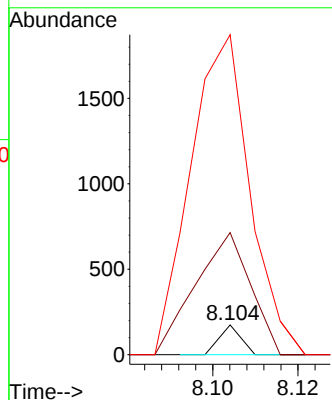
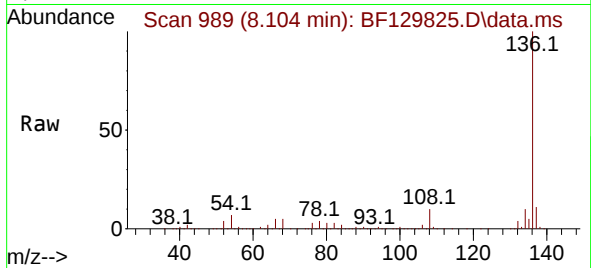




#32
Benzoic acid
Concen: 2.171 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

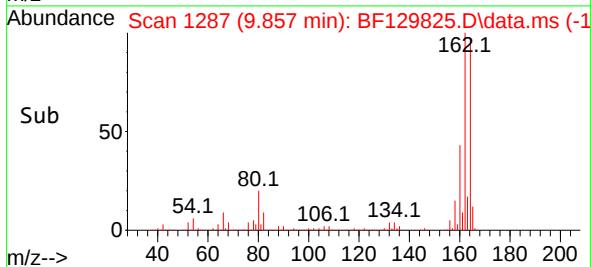
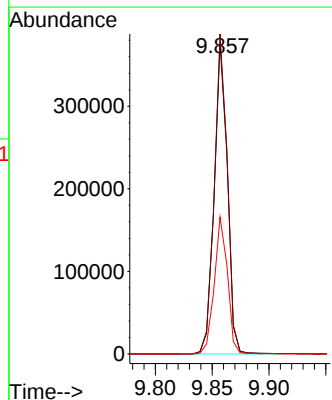
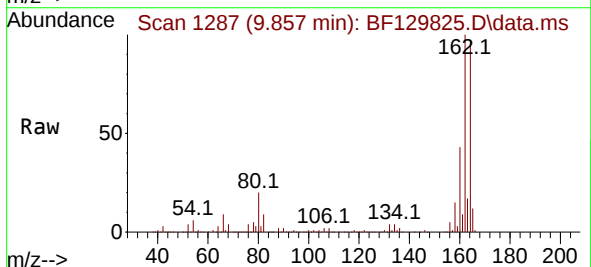
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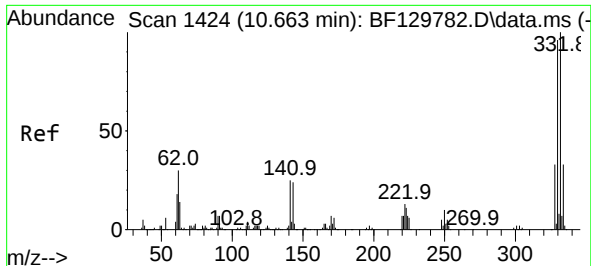
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 410.9 99.9 139.9#
77 1076.4 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:164 Resp: 302619
Ion Ratio Lower Upper
164 100
162 103.0 82.0 123.0
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.497 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.012 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

Instrument :

BNA_F

ClientSampleId :

WC-3

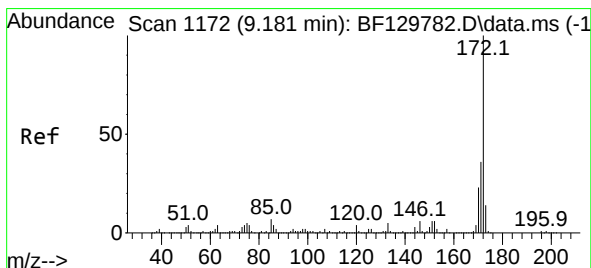
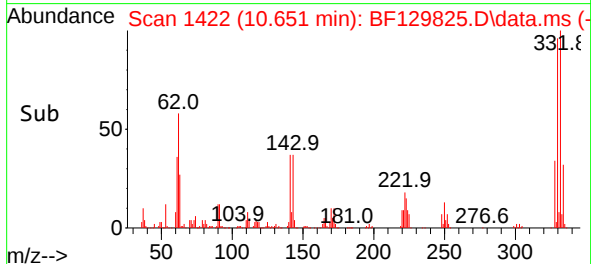
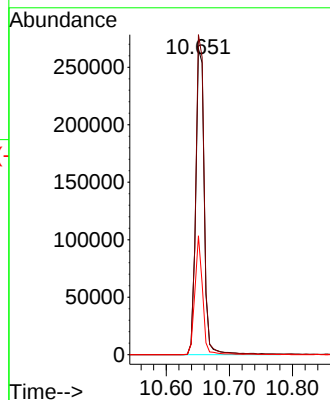
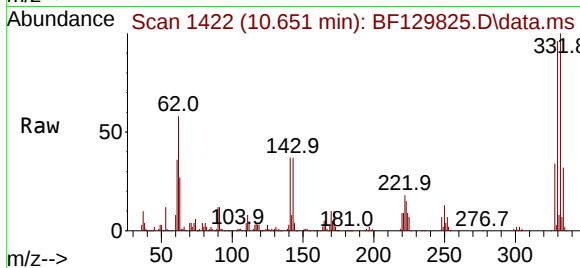
Tgt Ion:330 Resp: 250562

Ion Ratio Lower Upper

330 100

332 102.7 82.6 124.0

141 35.0 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 61.876 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

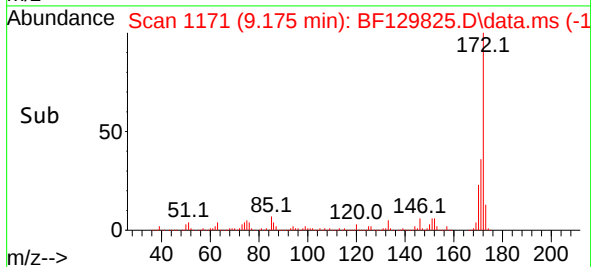
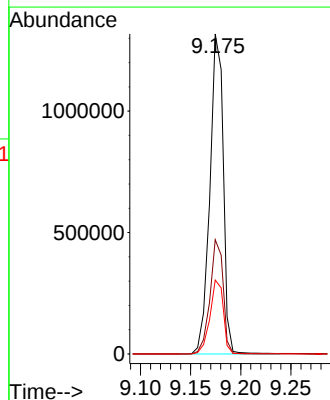
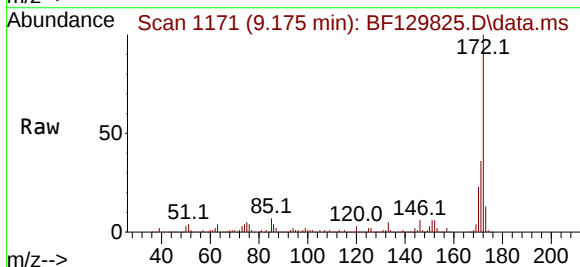
Tgt Ion:172 Resp: 1232860

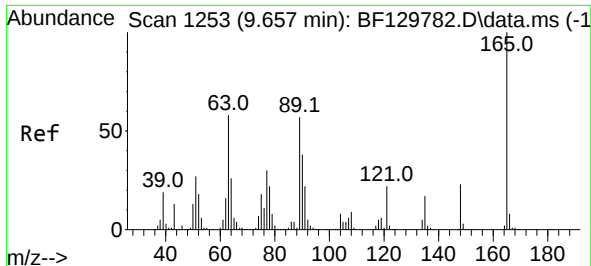
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.1 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.171 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

Instrument :

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ClientSampleId :

WC-3

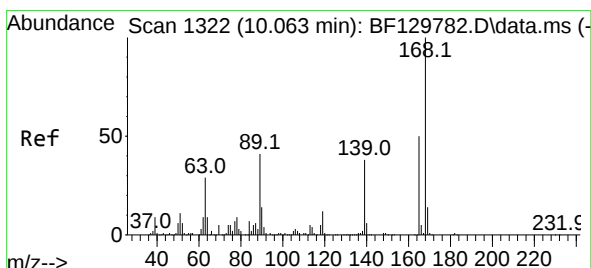
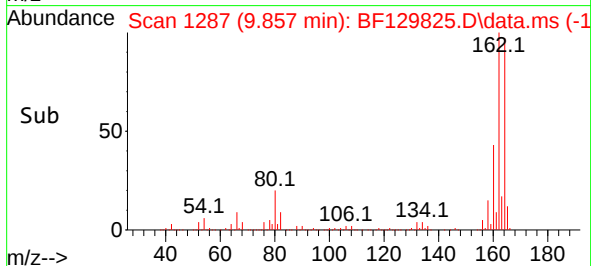
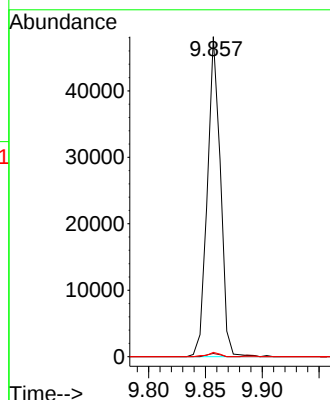
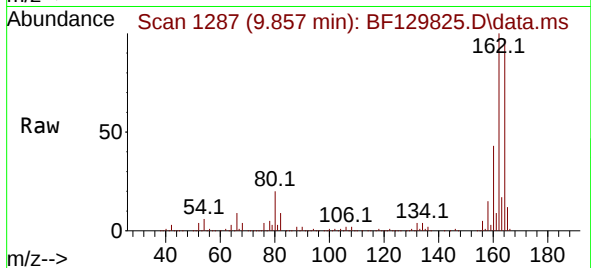
Tgt Ion:165 Resp: 38450

Ion Ratio Lower Upper

165 100

63 1.0 47.8 71.8#

89 1.4 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.294 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

Tgt Ion:165 Resp: 38450

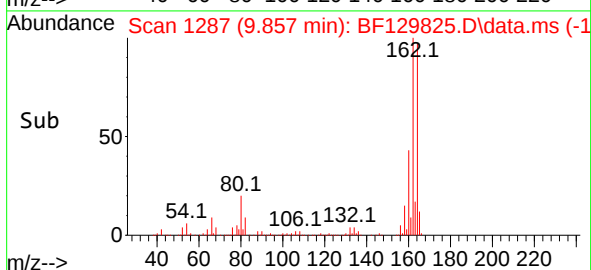
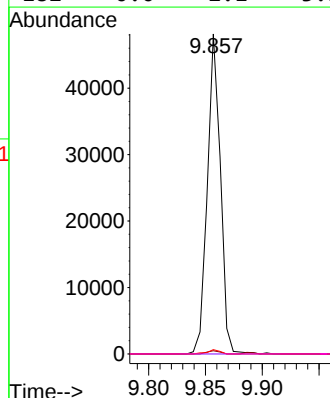
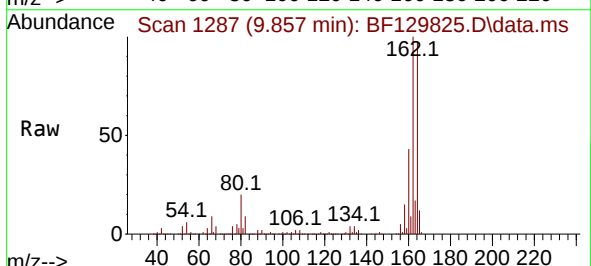
Ion Ratio Lower Upper

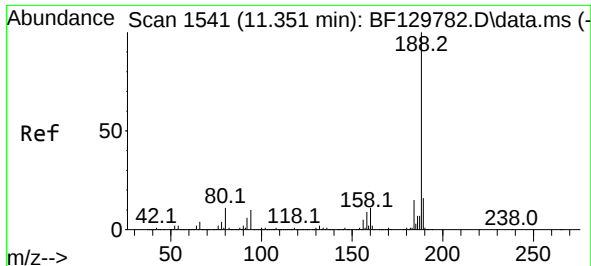
165 100

63 1.0 48.4 72.6#

89 1.4 62.3 93.5#

182 0.0 2.1 3.1#

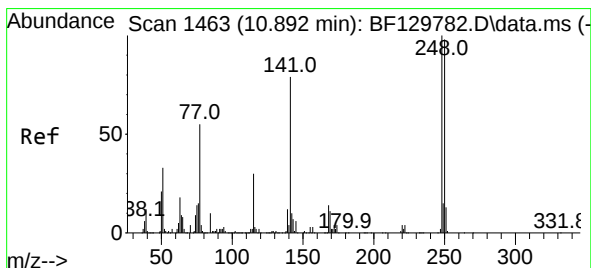
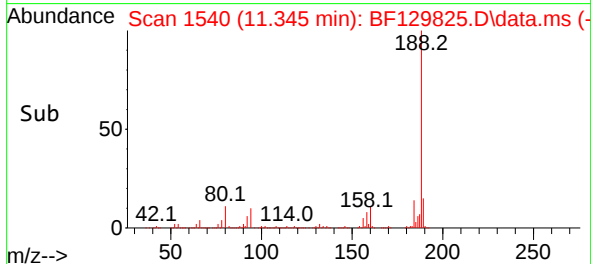
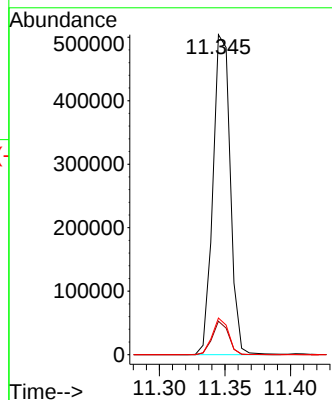
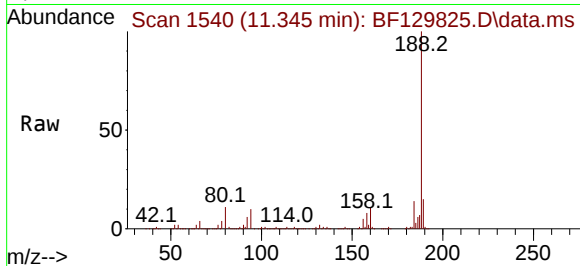




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

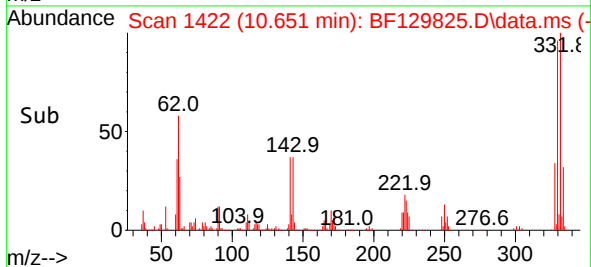
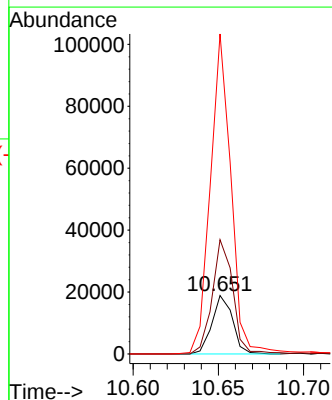
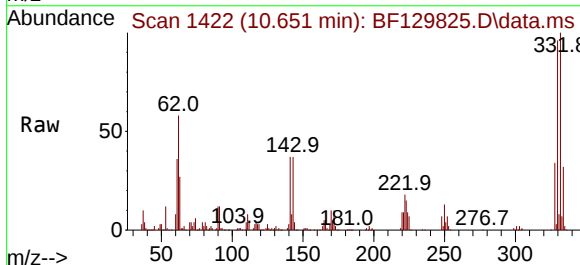
Instrument :
BNA_F
ClientSampleId :
WC-3

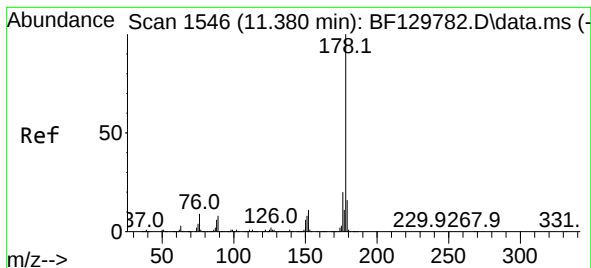
Tgt Ion:188 Resp: 462540
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.4 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.923 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.241 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:248 Resp: 15836
Ion Ratio Lower Upper
248 100
250 195.7 77.8 116.6#
141 548.5 66.2 99.2#





#71

Phenanthrene

Concen: 2.227 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

Instrument :

BNA_F

ClientSampleId :

WC-3

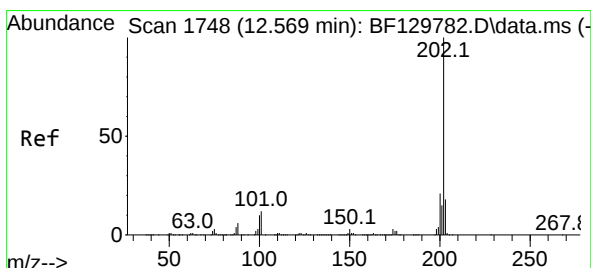
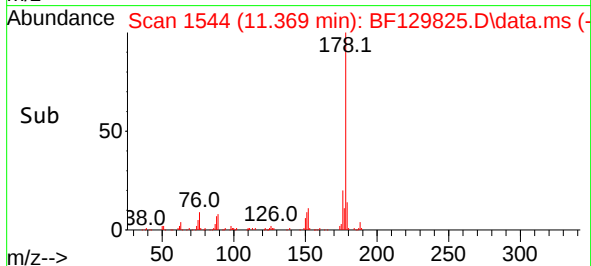
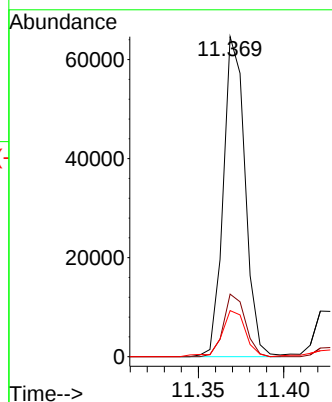
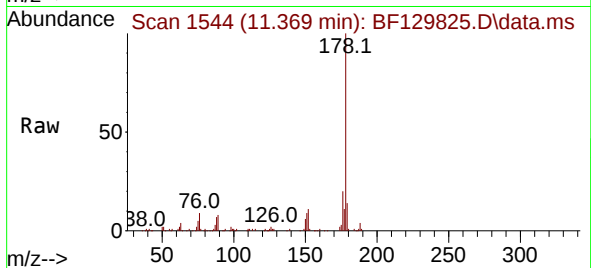
Tgt Ion:178 Resp: 57530

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 14.4 12.5 18.7



#75

Fluoranthene

Concen: 5.898 ng

RT: 12.563 min Scan# 1747

Delta R.T. -0.012 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

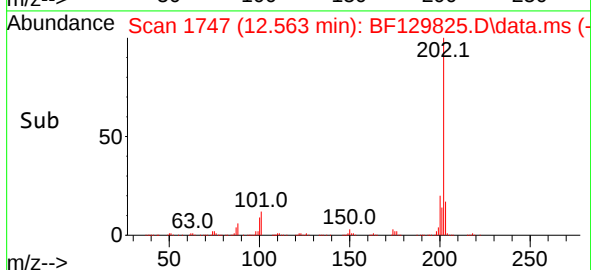
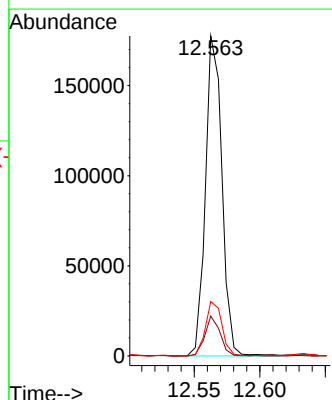
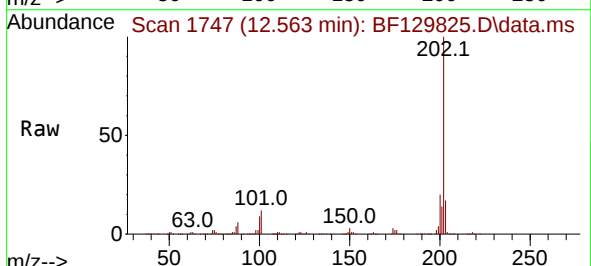
Tgt Ion:202 Resp: 155914

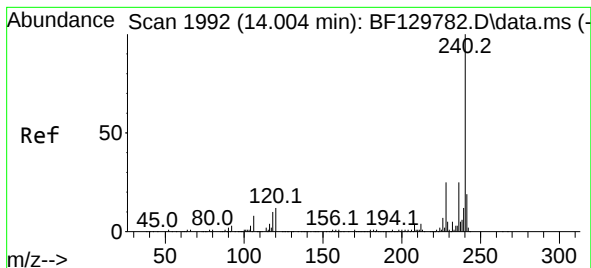
Ion Ratio Lower Upper

202 100

101 12.5 0.0 30.7

203 17.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

Instrument :

BNA_F

ClientSampleId :

WC-3

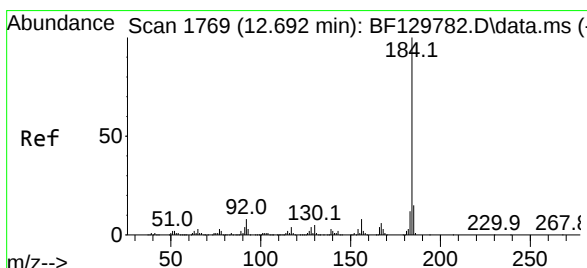
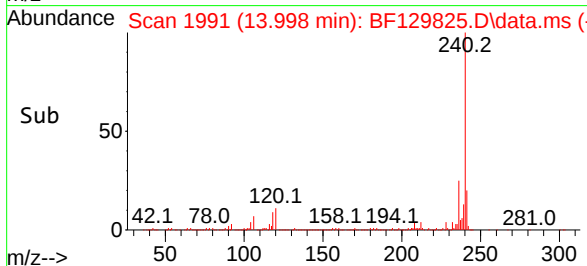
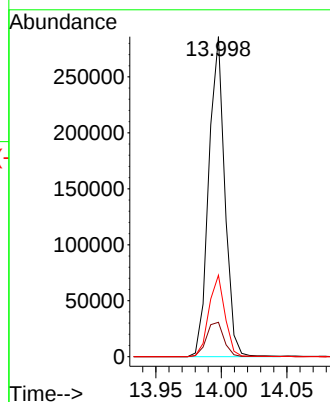
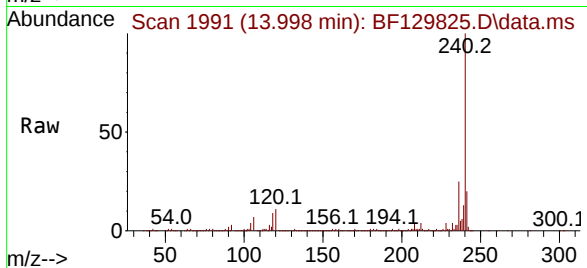
Tgt Ion:240 Resp: 243668

Ion Ratio Lower Upper

240 100

120 10.7 9.2 13.8

236 25.4 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.933 min Scan# 1810

Delta R.T. 0.241 min

Lab File: BF129825.D

Acq: 16 Aug 2022 22:56

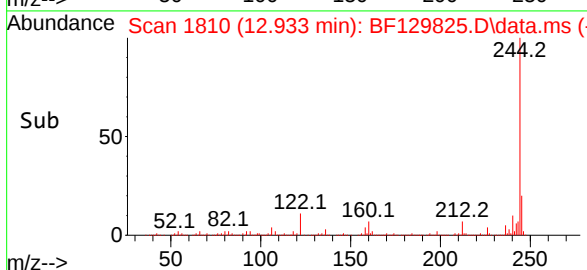
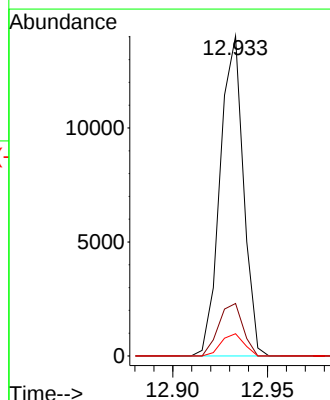
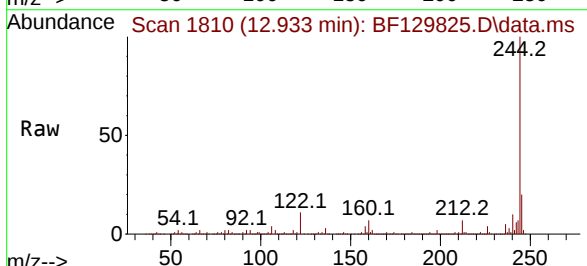
Tgt Ion:184 Resp: 12028

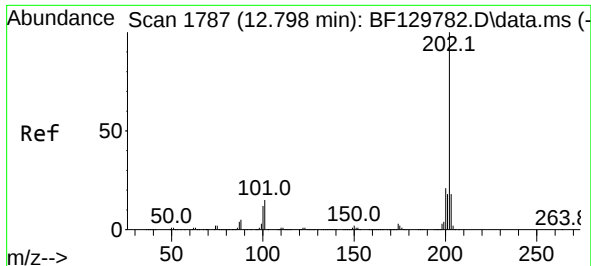
Ion Ratio Lower Upper

184 100

185 16.4 11.4 17.2

183 7.0 9.4 14.2#

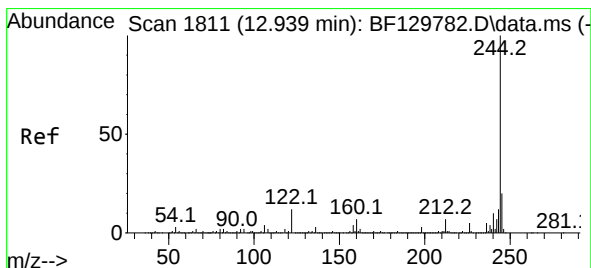
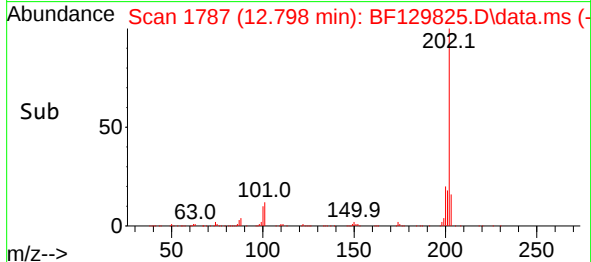
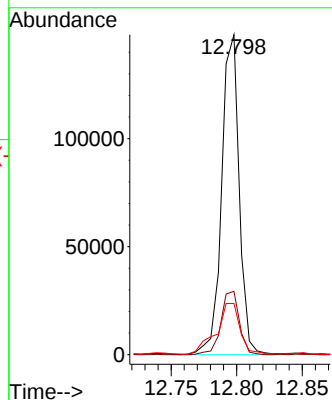
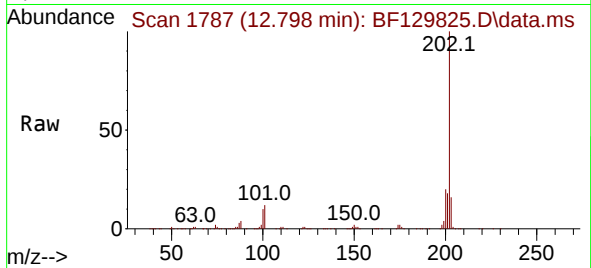




#78
Pyrene
Concen: 6.500 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

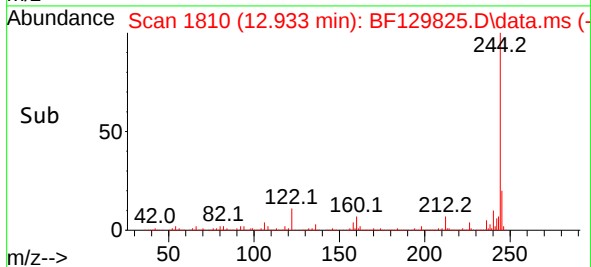
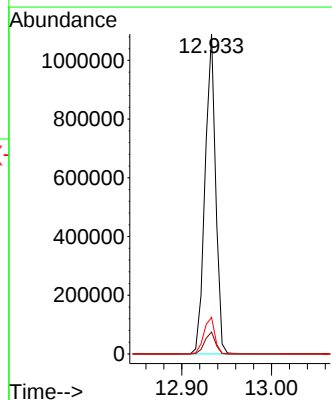
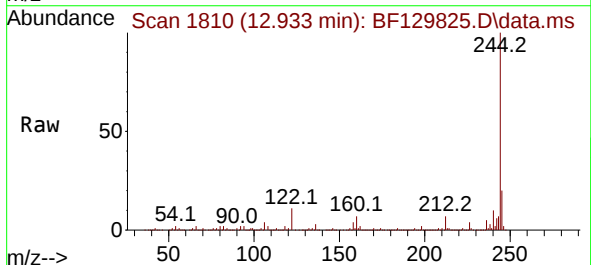
Instrument :
BNA_F
ClientSampleId :
WC-3

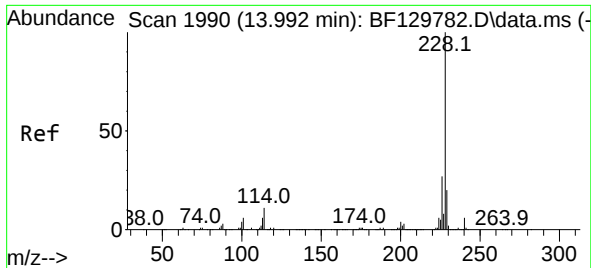
Tgt Ion:202 Resp: 137630
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 16.0 14.1 21.1



#79
Terphenyl-d14
Concen: 60.808 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:244 Resp: 890481
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 11.4 9.9 14.9

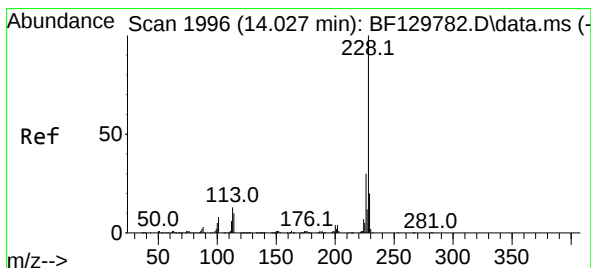
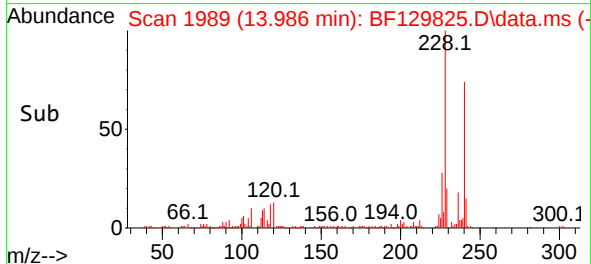
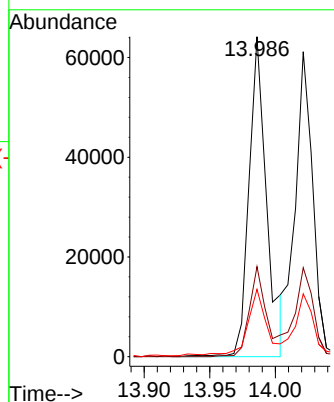
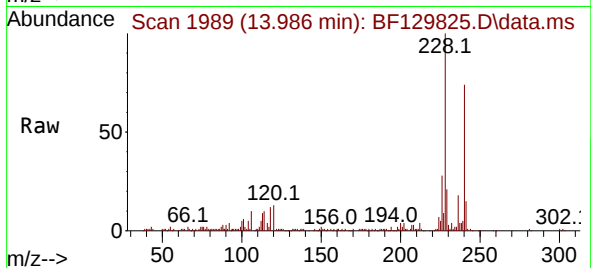




#81
Benzo(a)anthracene
Concen: 3.594 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

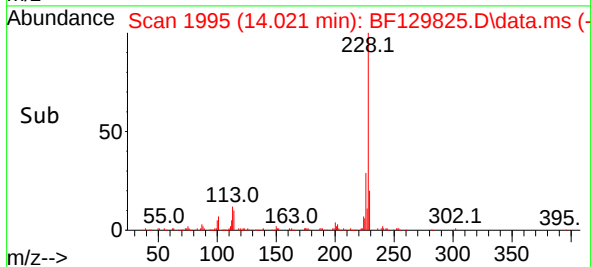
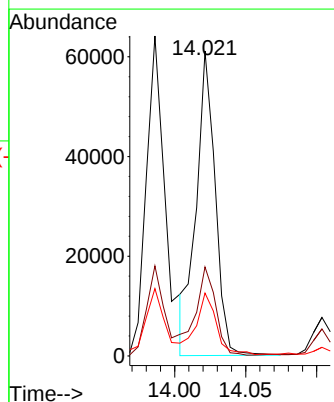
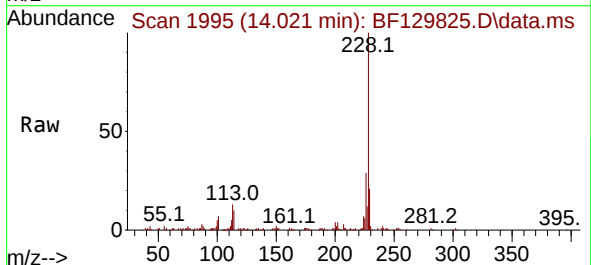
Instrument :
BNA_F
ClientSampleId :
WC-3

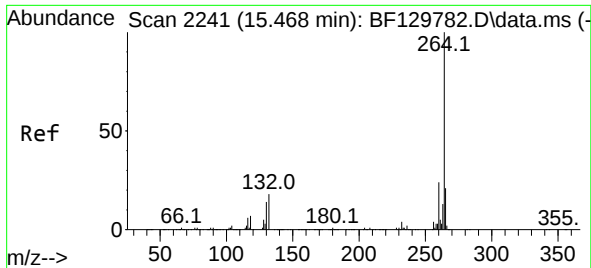
Tgt Ion:228 Resp: 60239
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.0
229 21.0 16.1 24.1



#83
Chrysene
Concen: 3.639 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:228 Resp: 57094
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 20.6 15.9 23.9

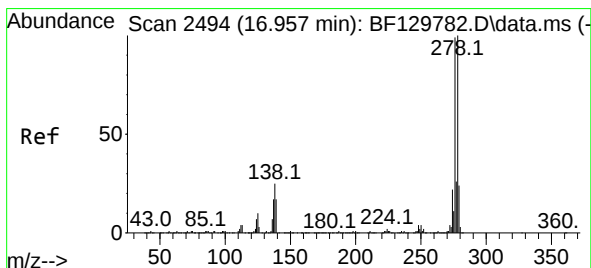
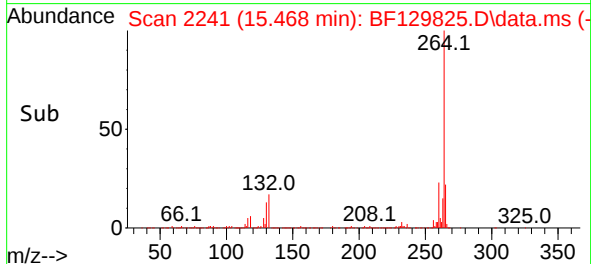
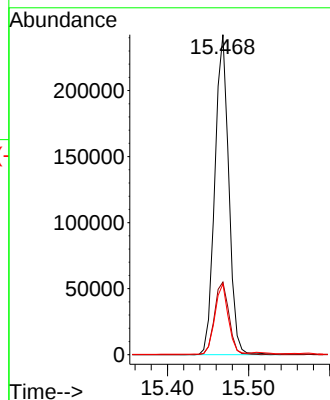
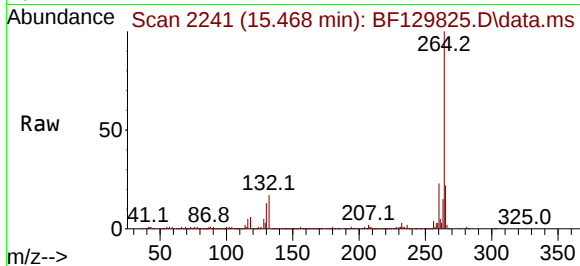




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

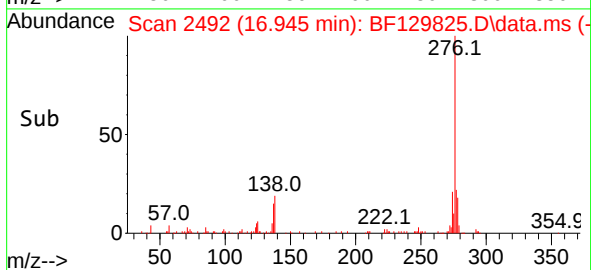
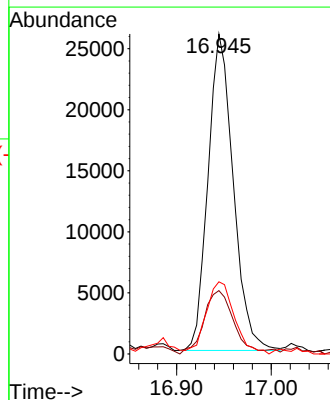
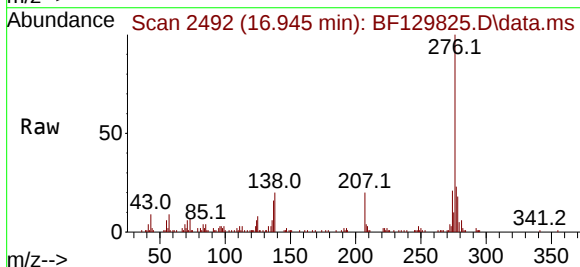
Instrument :
BNA_F
ClientSampleId :
WC-3

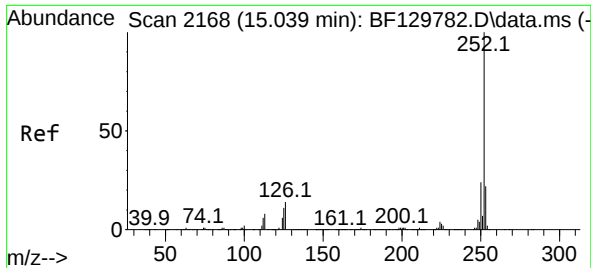
Tgt Ion:264 Resp: 288891
Ion Ratio Lower Upper
264 100
260 22.7 19.1 28.7
265 22.1 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.420 ng
RT: 16.945 min Scan# 2492
Delta R.T. -0.012 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:276 Resp: 47996
Ion Ratio Lower Upper
276 100
138 23.4 19.8 29.8
277 25.5 20.4 30.6

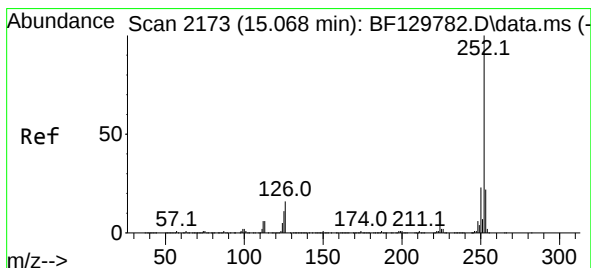
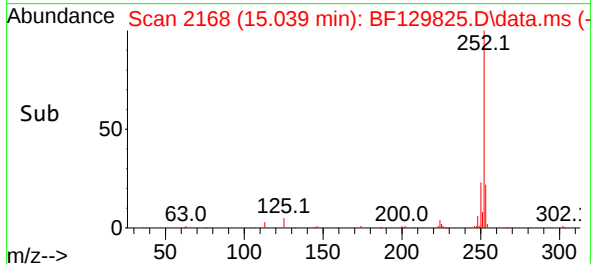
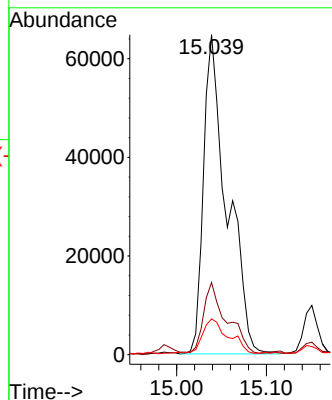
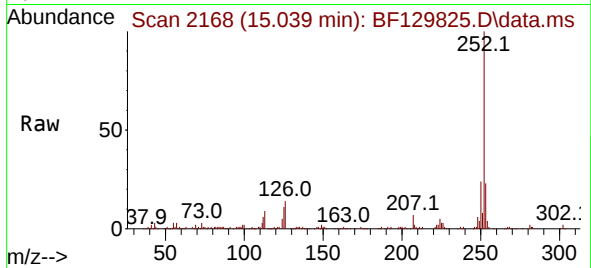




#88
Benzo(b)fluoranthene
Concen: 5.974 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

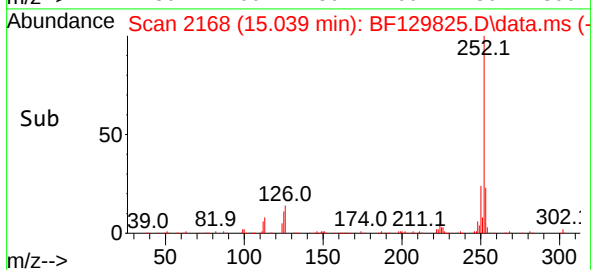
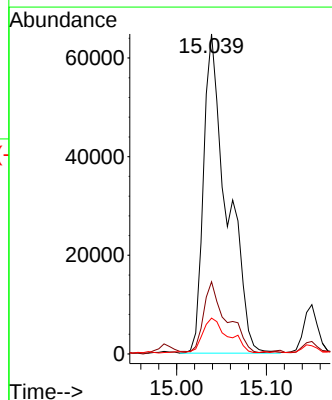
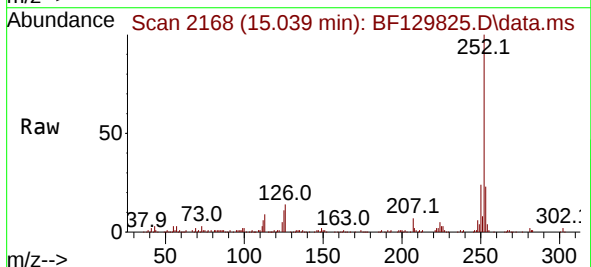
Instrument :
BNA_F
ClientSampleId :
WC-3

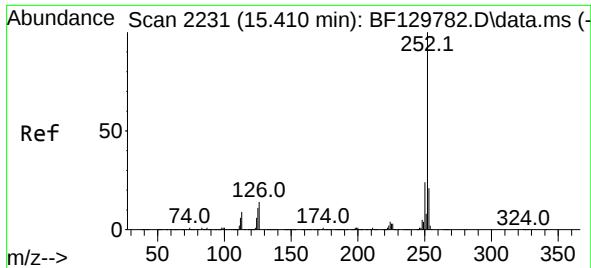
Tgt Ion:252 Resp: 118179
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.2 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 6.229 ng
RT: 15.039 min Scan# 2168
Delta R.T. -0.030 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:252 Resp: 118179
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 11.2 8.3 12.5

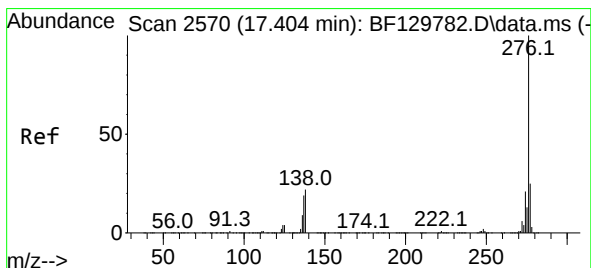
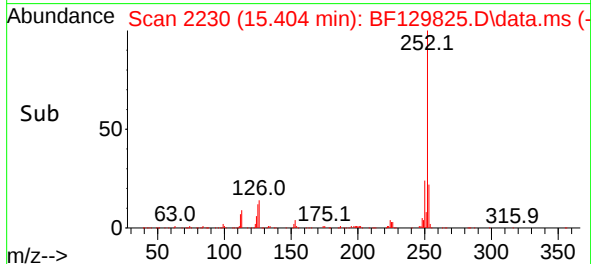
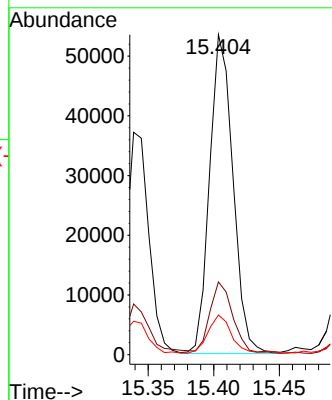
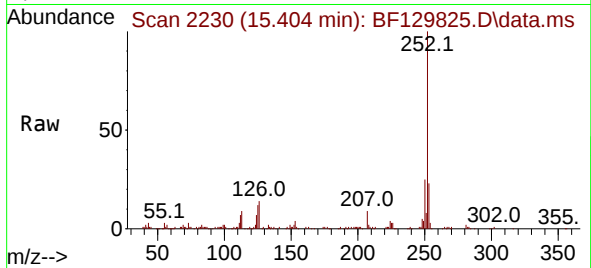




#90
Benzo(a)pyrene
Concen: 4.254 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:252 Resp: 66263
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 12.4 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.905 ng
RT: 17.398 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BF129825.D
Acq: 16 Aug 2022 22:56

Tgt Ion:276 Resp: 47434
Ion Ratio Lower Upper
276 100
277 22.7 18.2 27.4
138 21.7 15.8 23.8

