

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129841.D
 Acq On : 17 Aug 2022 12:56
 Operator : CG\JU
 Sample : N4189-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB18

Quant Time: Aug 17 13:34:36 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)

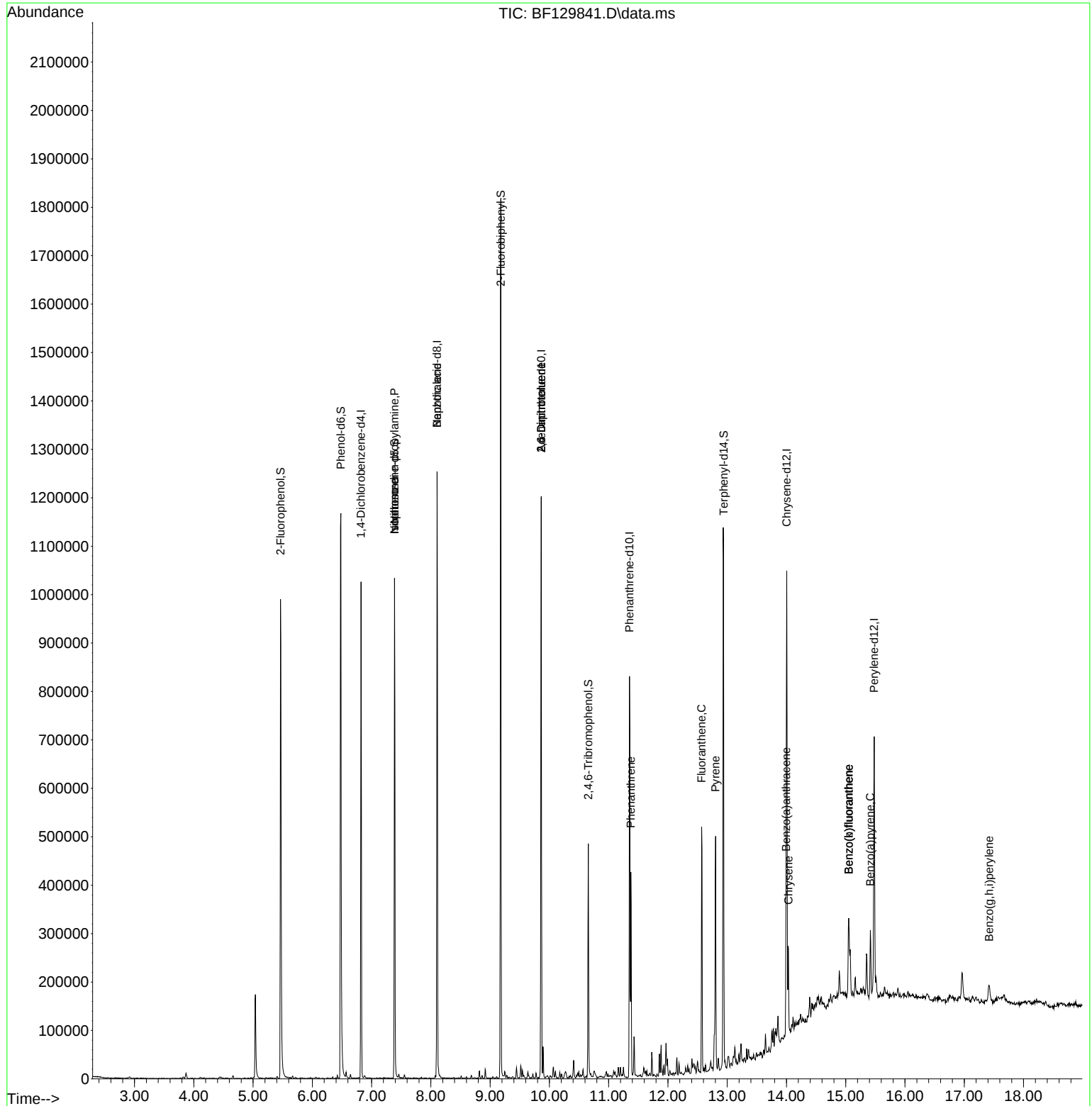
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	139612	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	521005	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	229455	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	290086	20.000	ng	0.00
76) Chrysene-d12	14.004	240	269840	20.000	ng	0.00
86) Perylene-d12	15.480	264	234272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	316516	37.537	ng	0.00
7) Phenol-d6	6.481	99	446605	42.294	ng	0.00
23) Nitrobenzene-d5	7.386	82	303768	31.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	49709	21.585	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	539950	35.740	ng	0.00
79) Terphenyl-d14	12.939	244	385475	23.770	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	64	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	7.386	70	40393	6.052	ng	# 77
25) Isophorone	7.386	82	303760	18.133	ng	# 65
32) Benzoic acid	8.104	122	68	2.177	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	30277	8.485	ng	# 22
57) 2,4-Dinitrotoluene	9.863	165	30277	6.537	ng	# 17
71) Phenanthrene	11.374	178	150560	9.293	ng	98
75) Fluoranthene	12.568	202	196769	11.869	ng	98
77) Benzidine	12.939	184	5173	Below Cal	#	86
78) Pyrene	12.804	202	186082	7.936	ng	98
81) Benzo(a)anthracene	13.992	228	84587	4.557	ng	99
83) Chrysene	14.033	228	74515	4.288	ng	99
88) Benzo(b)fluoranthene	15.051	252	117746	7.340	ng	# 96
89) Benzo(k)fluoranthene	15.051	252	117746	7.654	ng	# 95
90) Benzo(a)pyrene	15.415	252	60436	4.784	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	28053	2.119	ng	93

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

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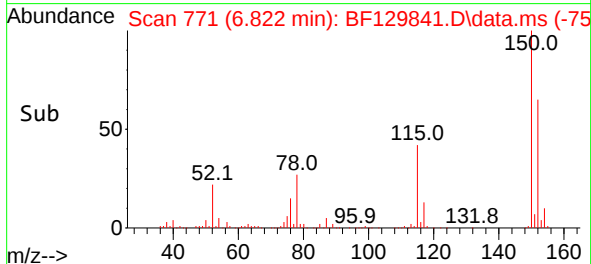
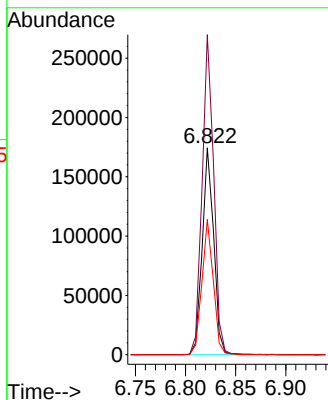
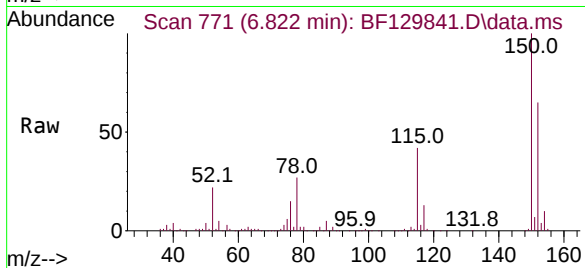




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

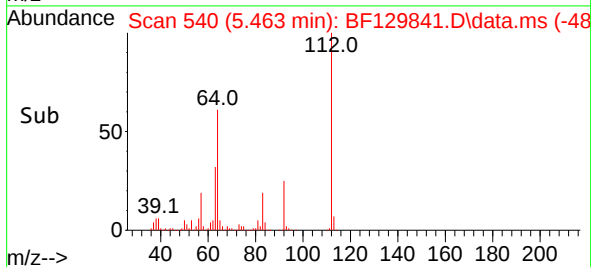
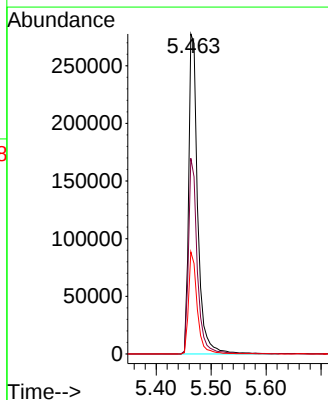
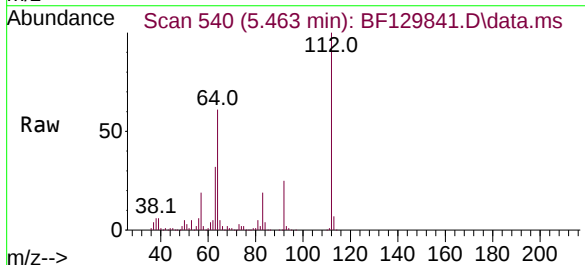
Instrument :
BNA_F
ClientSampleId :
SB18

Tgt Ion:152 Resp: 139612
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 65.4 53.4 80.0



#5
2-Fluorophenol
Concen: 37.537 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:112 Resp: 316516
Ion Ratio Lower Upper
112 100
64 61.1 47.6 71.4
63 31.9 24.6 37.0

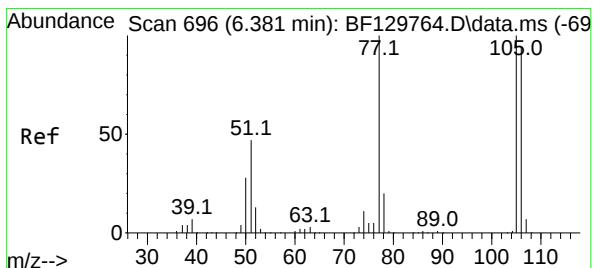
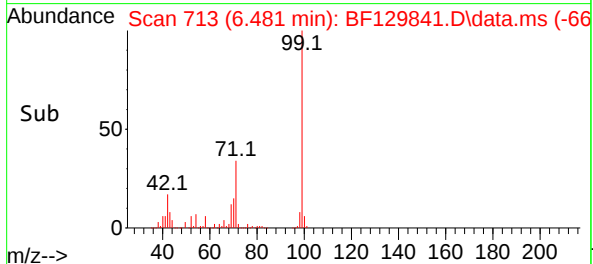
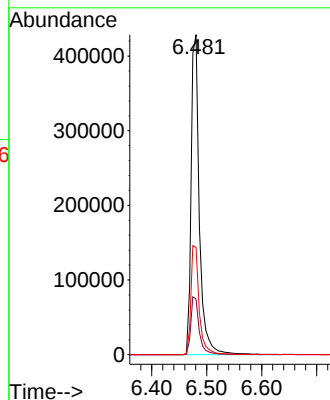
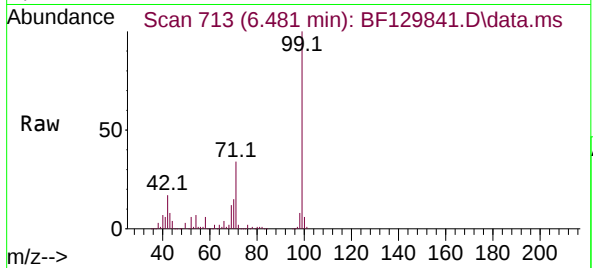




#7
Phenol-d6
Concen: 42.294 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

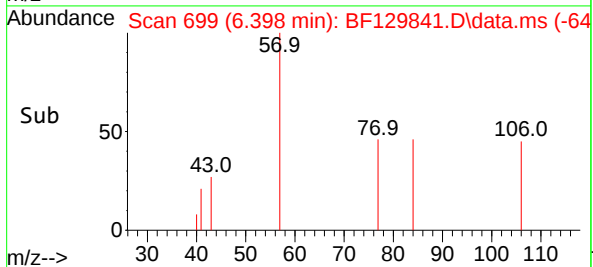
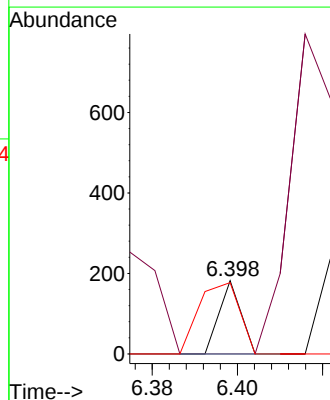
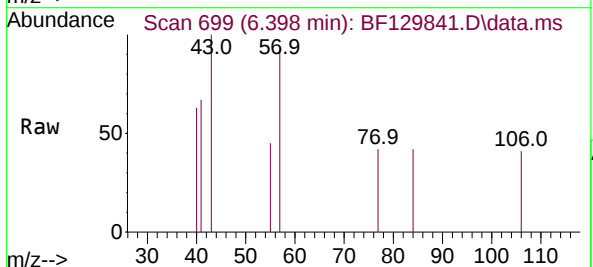
Instrument :
BNA_F
ClientSampleId :
SB18

Tgt Ion: 99 Resp: 446605
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.4
71 33.6 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.398 min Scan# 699
Delta R.T. 0.017 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion: 77 Resp: 64
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 97.3 74.3 114.3

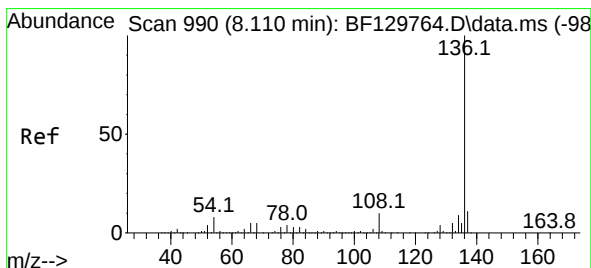
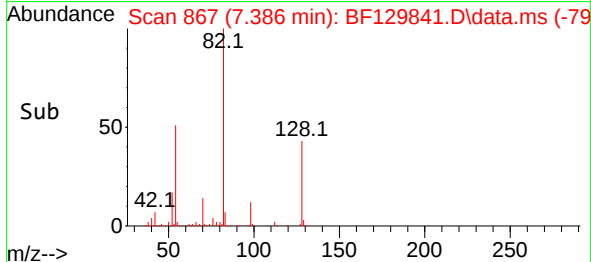
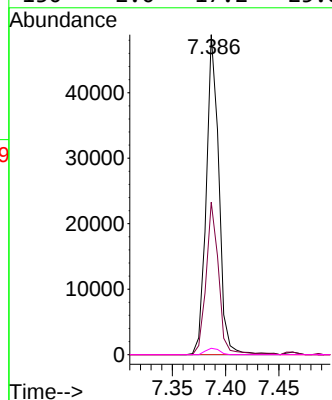
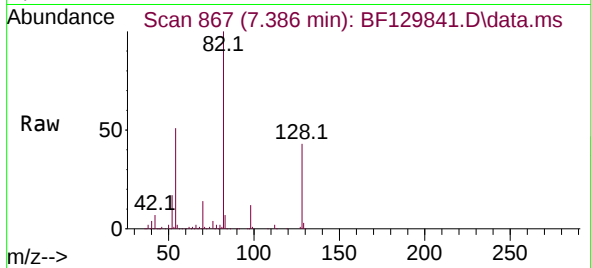




#19
n-Nitroso-di-n-propylamine
Concen: 6.052 ng
RT: 7.386 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

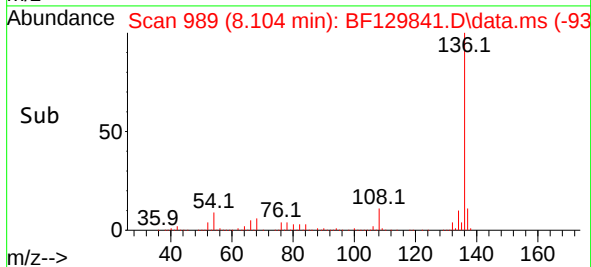
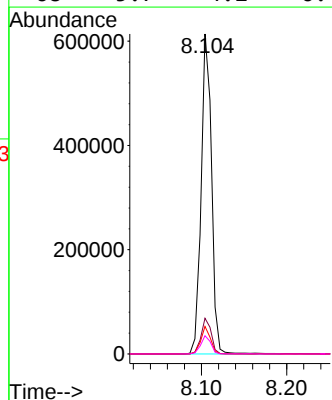
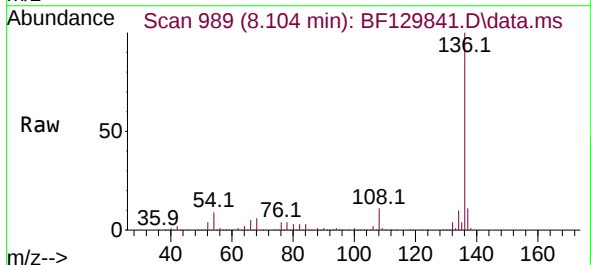
Instrument :
BNA_F
ClientSampleId :
SB18

Tgt Ion: 70 Resp: 40393
Ion Ratio Lower Upper
70 100
42 47.7 47.6 71.4
101 0.0 8.1 12.1#
130 2.0 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: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion: 136 Resp: 521005
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.6 6.2 9.2
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 31.211 ng

RT: 7.386 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

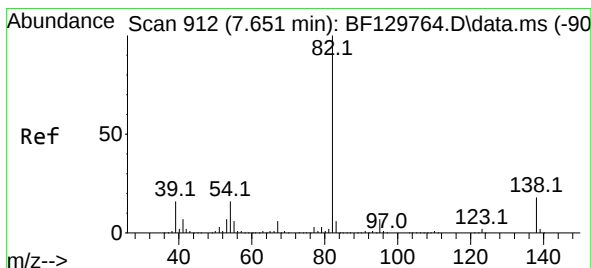
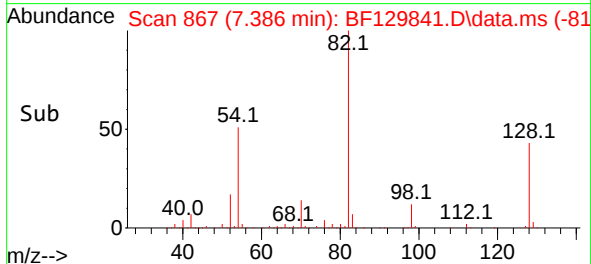
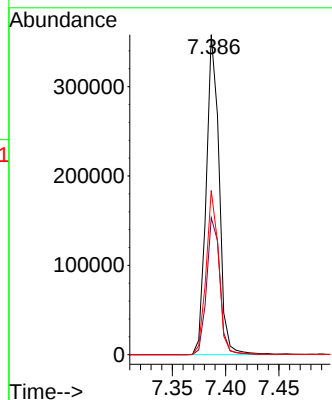
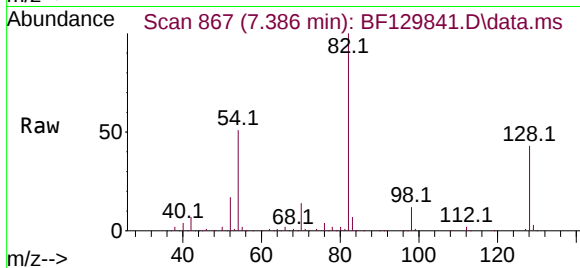
Tgt Ion: 82 Resp: 303768

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

54 51.3 40.0 60.0



#25

Isophorone

Concen: 18.133 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.265 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

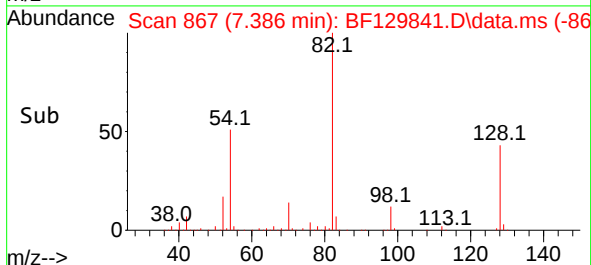
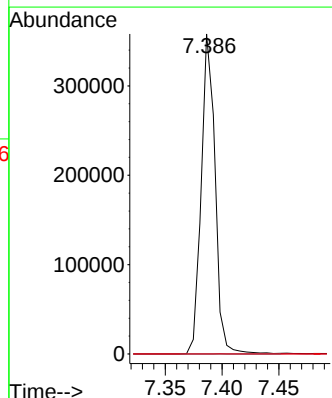
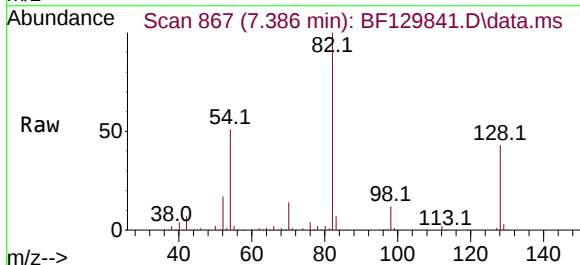
Tgt Ion: 82 Resp: 303760

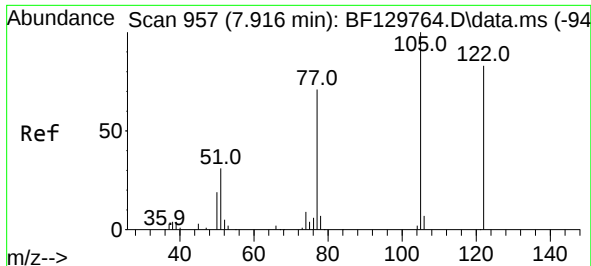
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

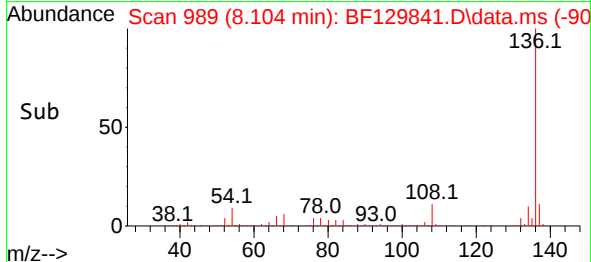
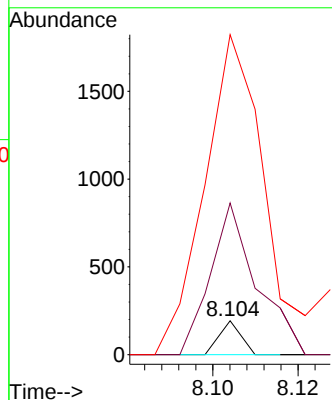
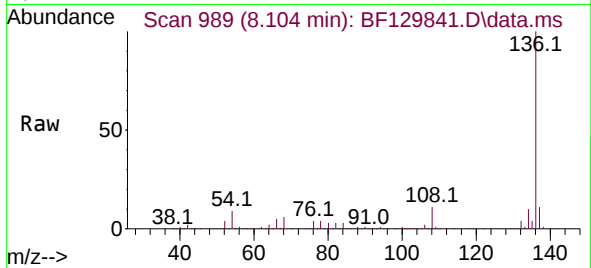




#32
Benzoic acid
Concen: 2.177 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

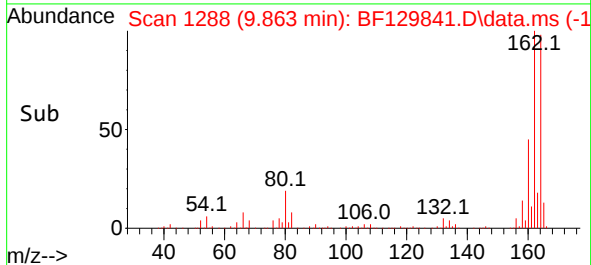
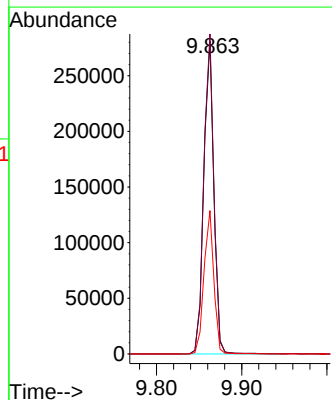
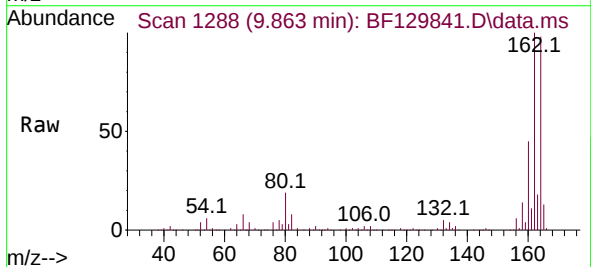
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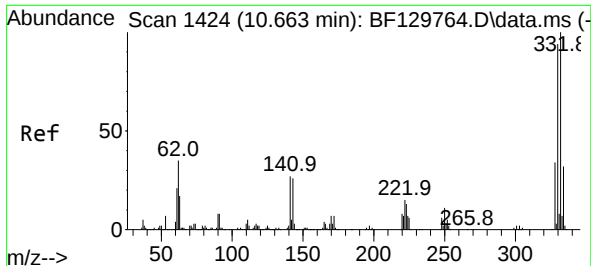
Tgt Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 447.7 99.9 139.9#
77 944.6 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:164 Resp: 229455
Ion Ratio Lower Upper
164 100
162 102.3 82.0 123.0
160 45.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 21.585 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

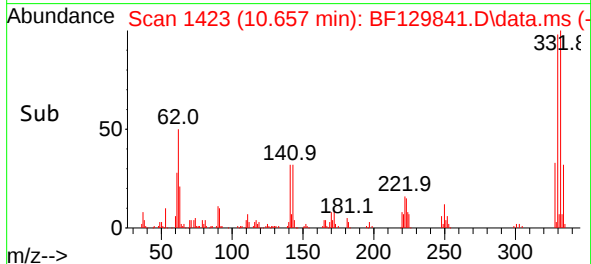
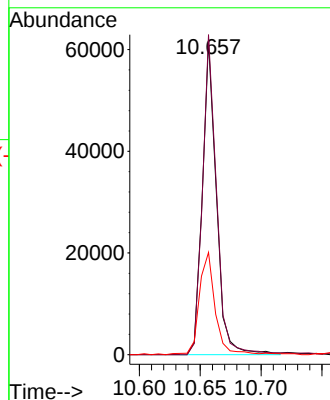
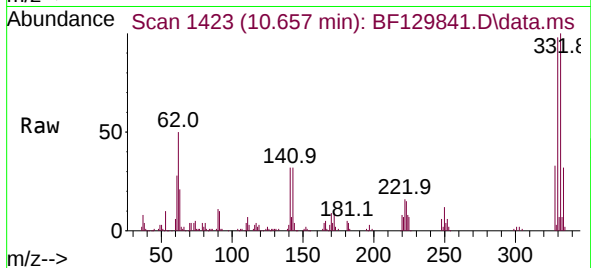
Tgt Ion:330 Resp: 49709

Ion Ratio Lower Upper

330 100

332 101.9 82.6 124.0

141 37.5 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 35.740 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

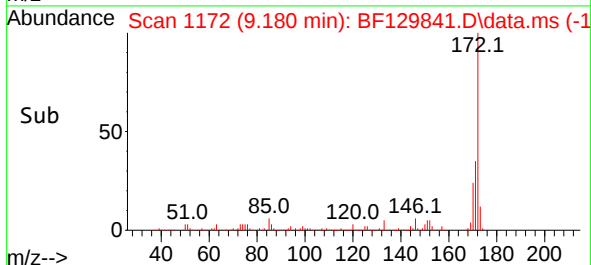
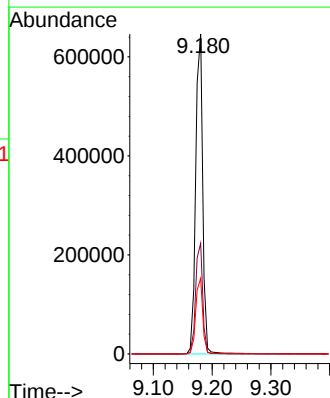
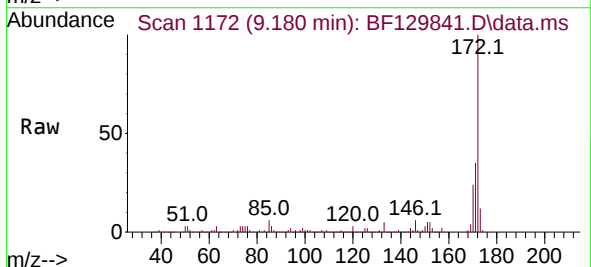
Tgt Ion:172 Resp: 539950

Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.485 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

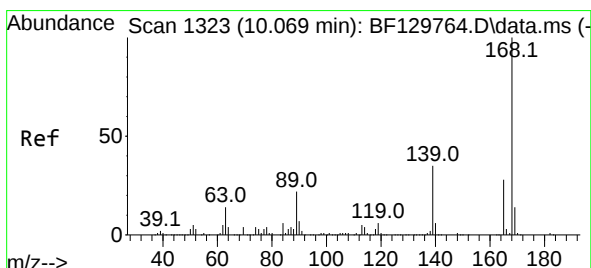
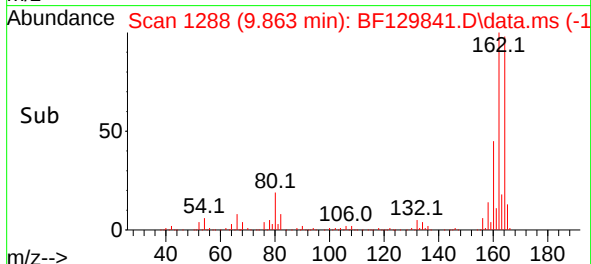
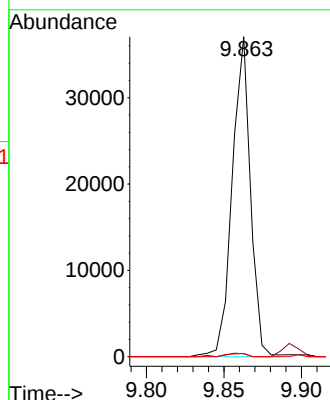
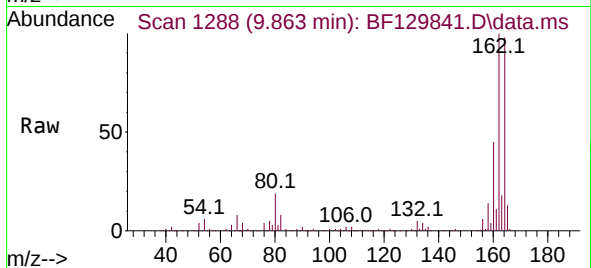
Tgt Ion:165 Resp: 30277

Ion Ratio Lower Upper

165 100

63 0.9 47.8 71.8#

89 1.0 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.537 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.206 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Tgt Ion:165 Resp: 30277

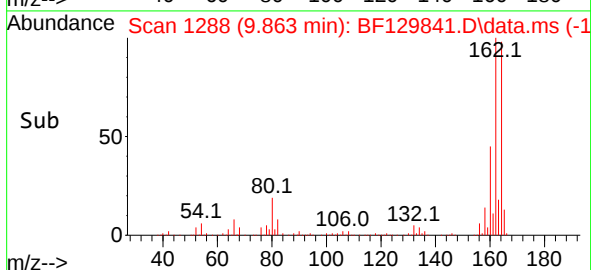
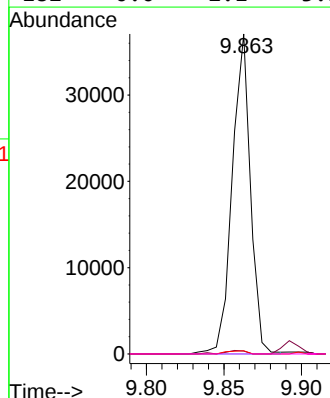
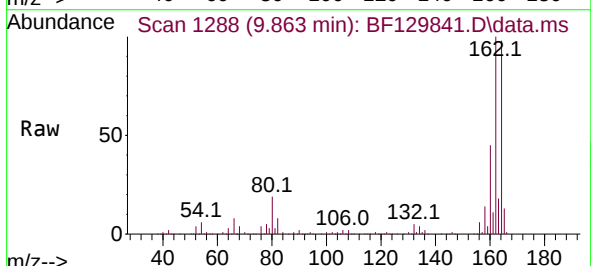
Ion Ratio Lower Upper

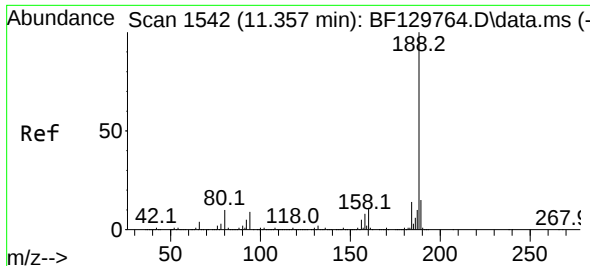
165 100

63 0.9 48.4 72.6#

89 1.0 62.3 93.5#

182 0.0 2.1 3.1#

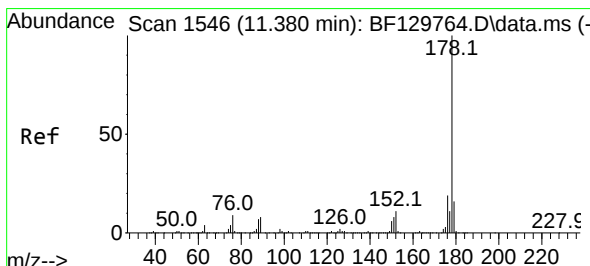
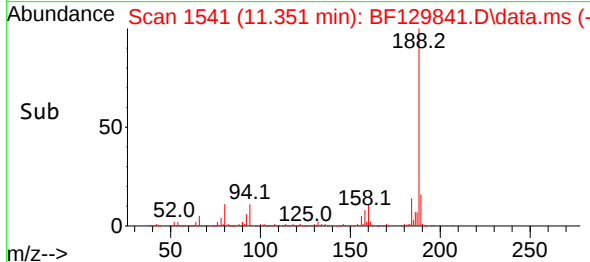
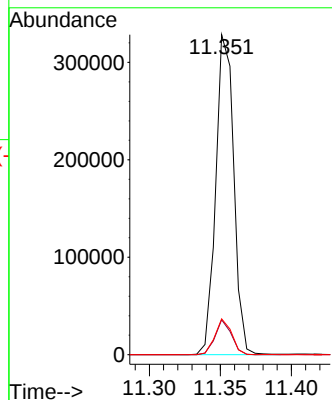
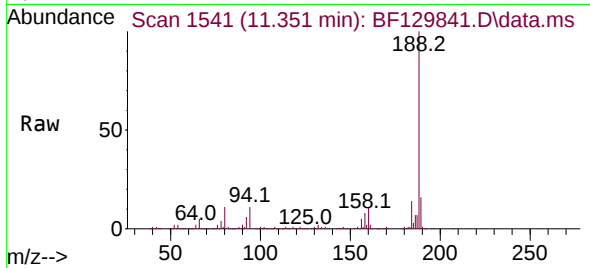




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

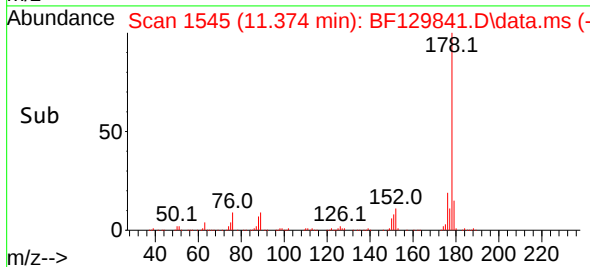
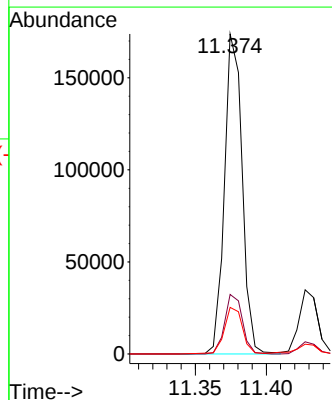
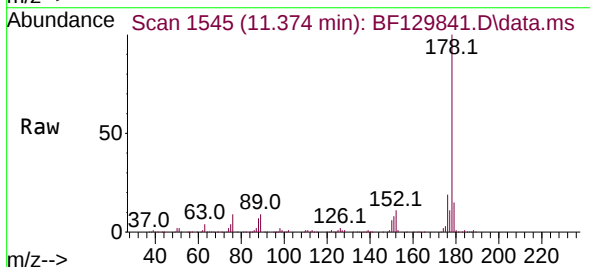
Instrument :
BNA_F
ClientSampleId :
SB18

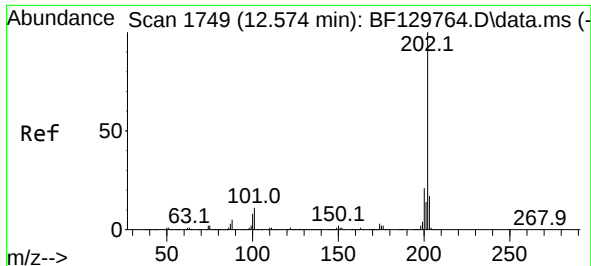
Tgt Ion:188 Resp: 290086
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.2 7.9 11.9



#71
Phenanthrene
Concen: 9.293 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:178 Resp: 150560
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 14.6 12.5 18.7

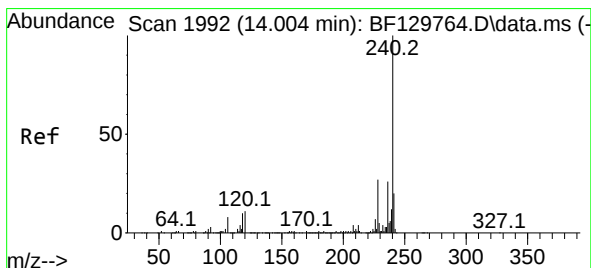
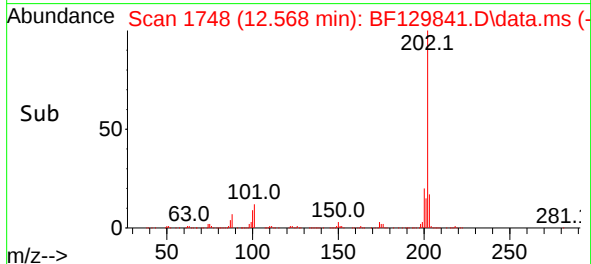
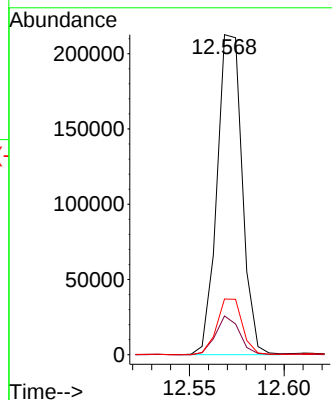
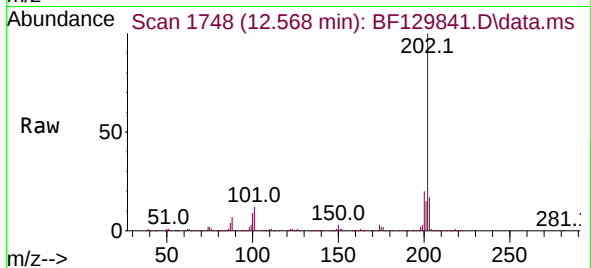




#75
Fluoranthene
Concen: 11.869 ng
RT: 12.568 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

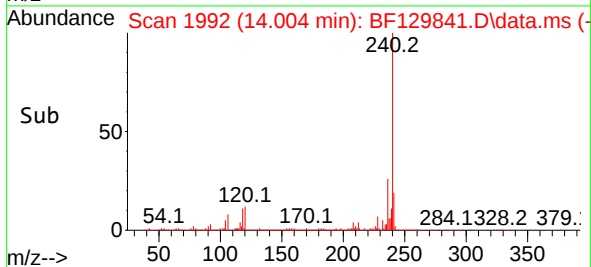
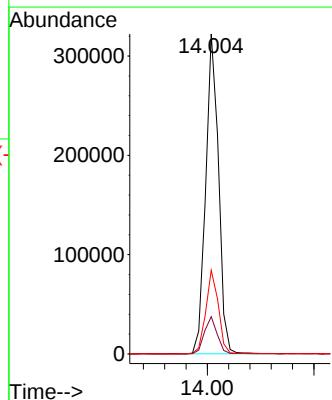
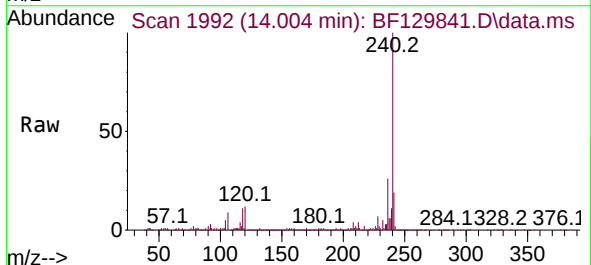
Instrument :
BNA_F
ClientSampleId :
SB18

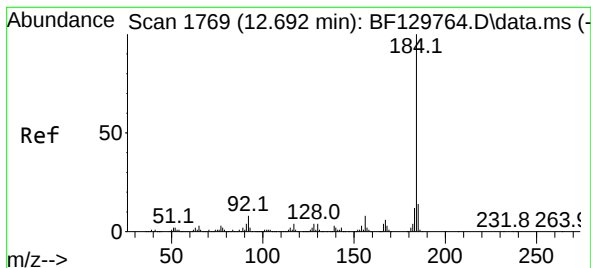
Tgt Ion:202 Resp: 196769
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:240 Resp: 269840
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 26.1 20.7 31.1





#77

Benzidine

Concen: Below Cal

RT: 12.939 min Scan# 1811

Delta R.T. 0.247 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

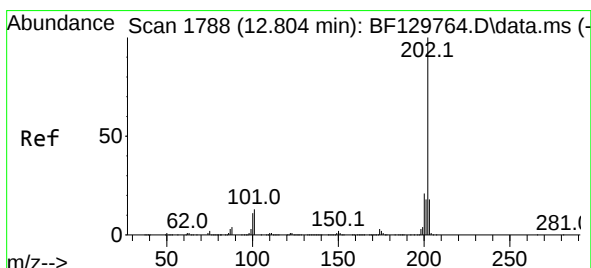
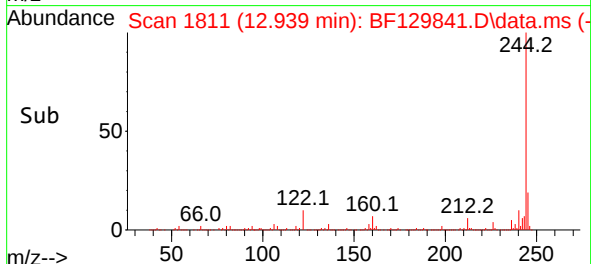
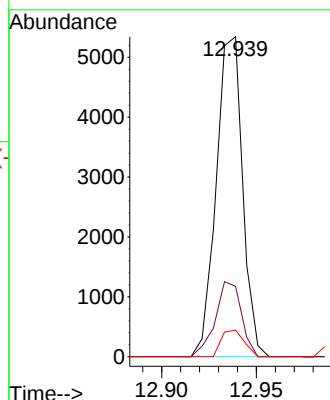
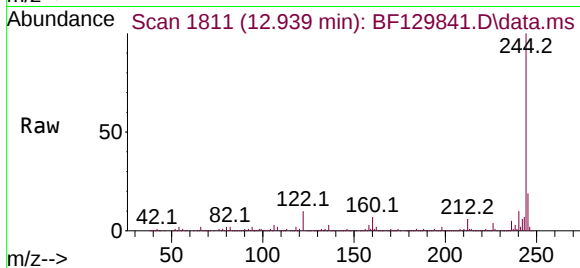
Tgt Ion:184 Resp: 5173

Ion Ratio Lower Upper

184 100

185 22.0 11.4 17.2#

183 8.3 9.4 14.2#



#78

Pyrene

Concen: 7.936 ng

RT: 12.804 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

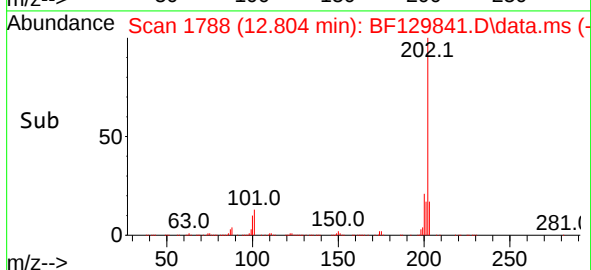
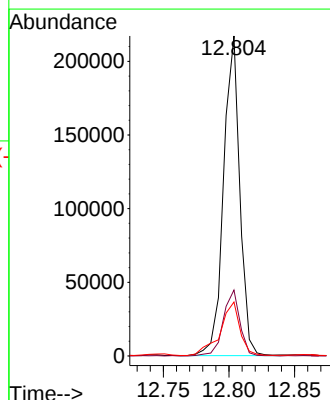
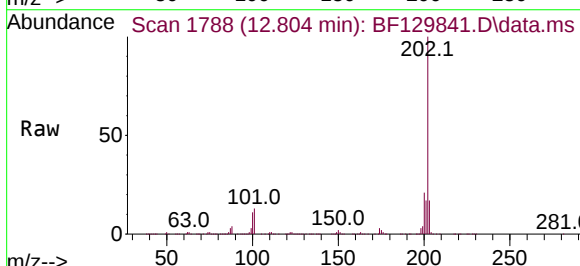
Tgt Ion:202 Resp: 186082

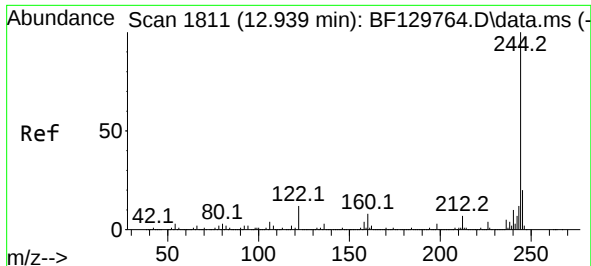
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 16.9 14.1 21.1

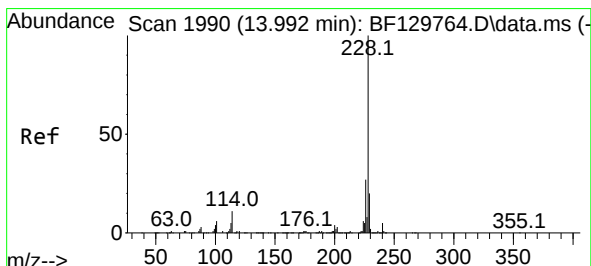
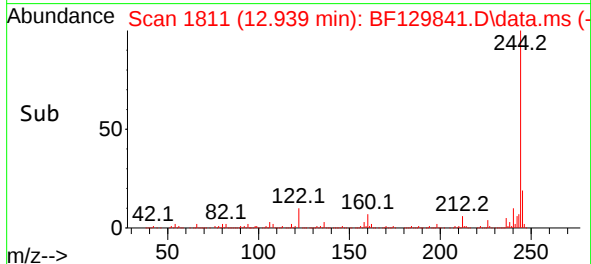
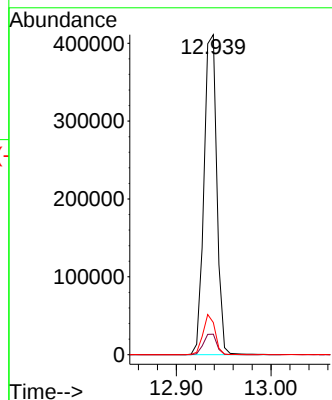
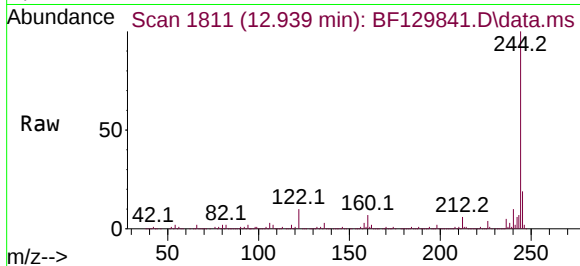




#79
 Terphenyl-d14
 Concen: 23.770 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.000 min
 Lab File: BF129841.D
 Acq: 17 Aug 2022 12:56

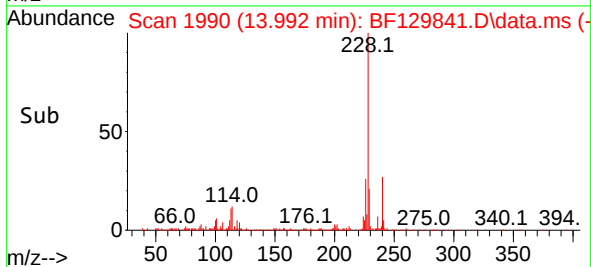
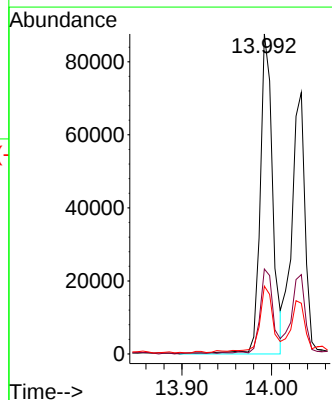
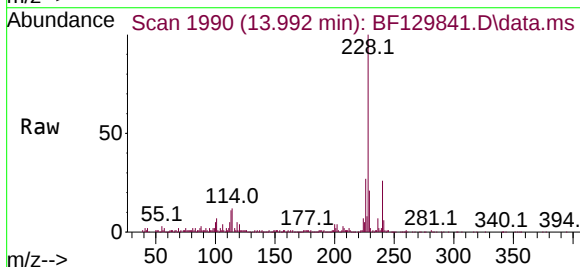
Instrument :
 BNA_F
 ClientSampleId :
 SB18

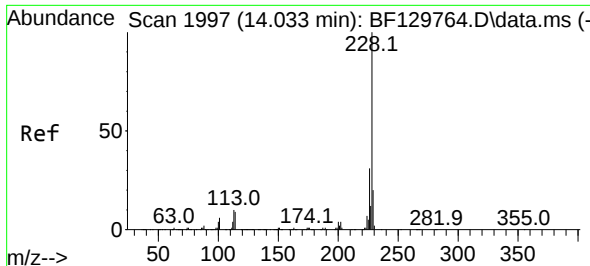
Tgt Ion:244 Resp: 385475
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 10.1 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 4.557 ng
 RT: 13.992 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: BF129841.D
 Acq: 17 Aug 2022 12:56

Tgt Ion:228 Resp: 84587
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.4 32.0
 229 21.2 16.1 24.1

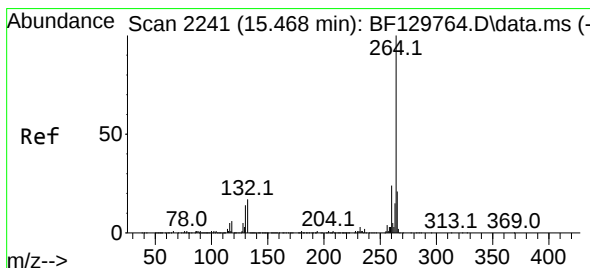
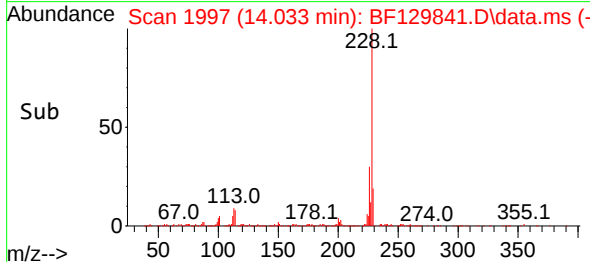
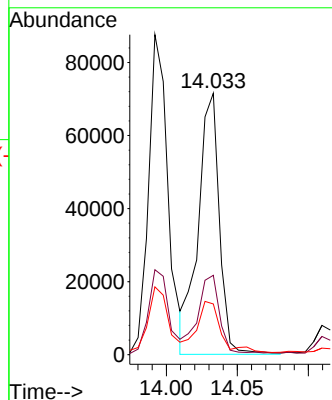
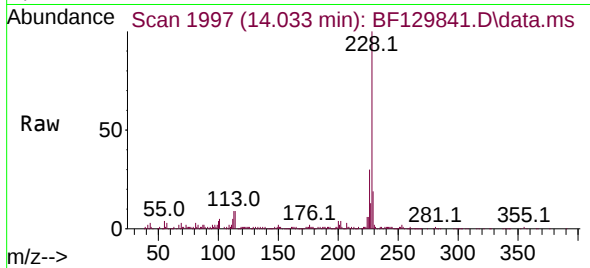




#83
Chrysene
Concen: 4.288 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

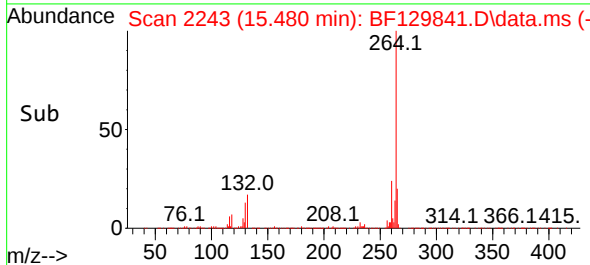
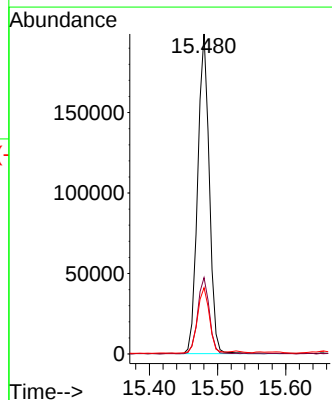
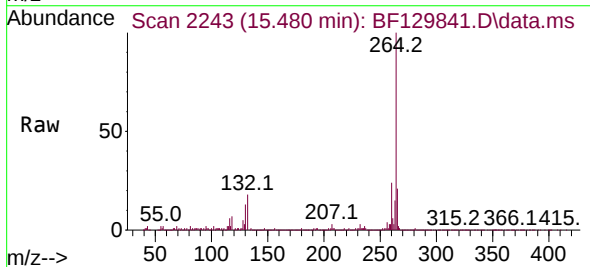
Instrument :
BNA_F
ClientSampleId :
SB18

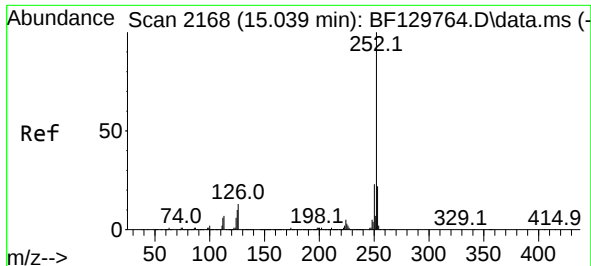
Tgt Ion:228	Resp:	74515
Ion Ratio	Lower	Upper
228	100	
226	30.3	24.4 36.6
229	19.4	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2243
Delta R.T. 0.012 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:264	Resp:	234272
Ion Ratio	Lower	Upper
264	100	
260	23.8	19.1 28.7
265	20.7	16.7 25.1

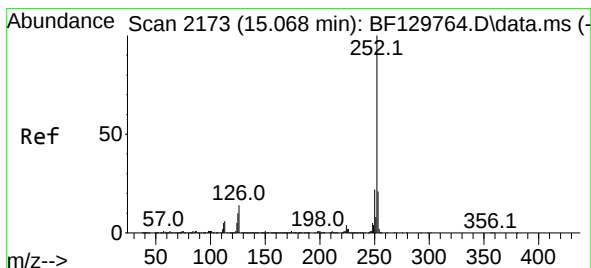
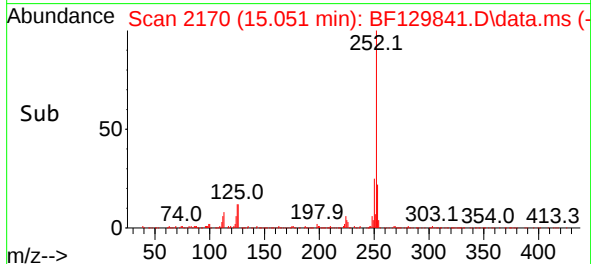
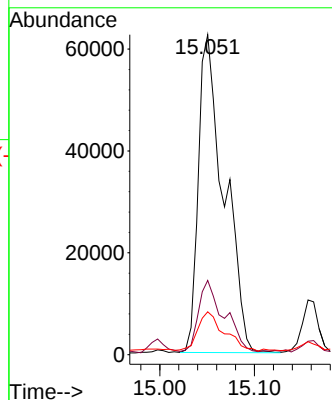
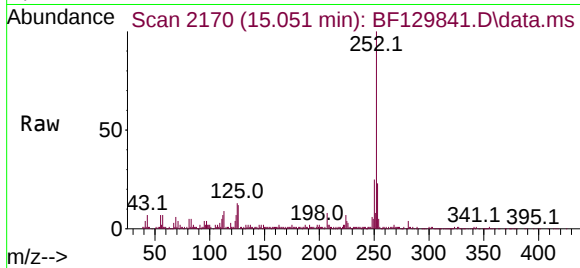




#88
Benzo(b)fluoranthene
Concen: 7.340 ng
RT: 15.051 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

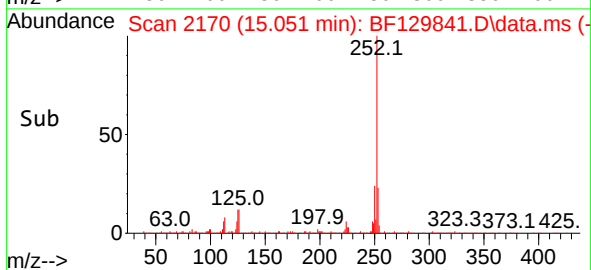
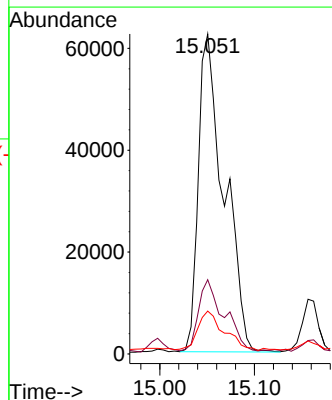
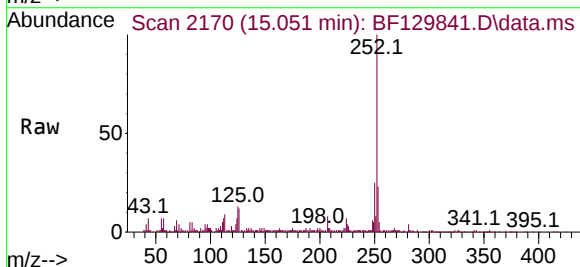
Instrument :
BNA_F
ClientSampleId :
SB18

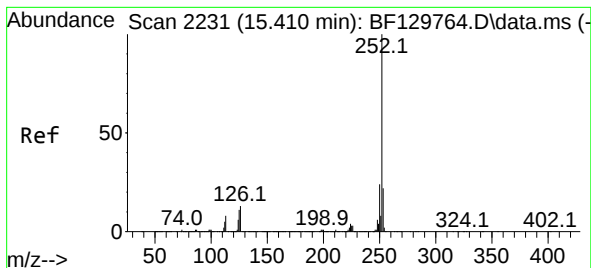
Tgt Ion:252 Resp: 117746
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.4 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 7.654 ng
RT: 15.051 min Scan# 2170
Delta R.T. -0.018 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

Tgt Ion:252 Resp: 117746
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.784 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

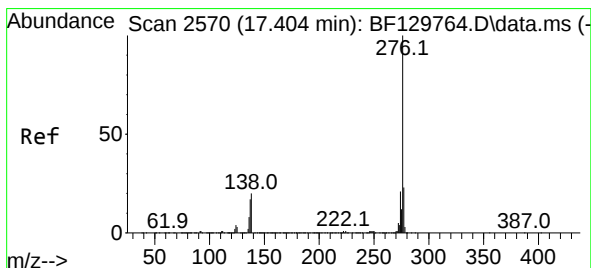
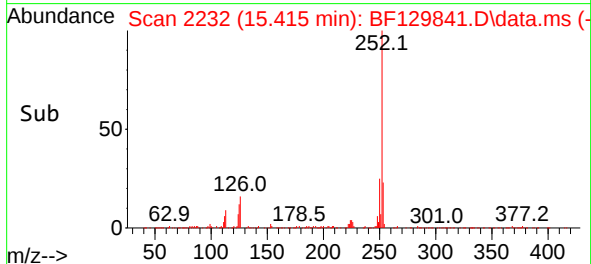
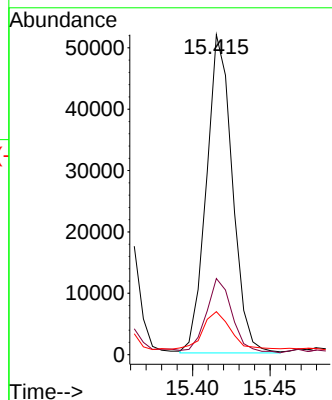
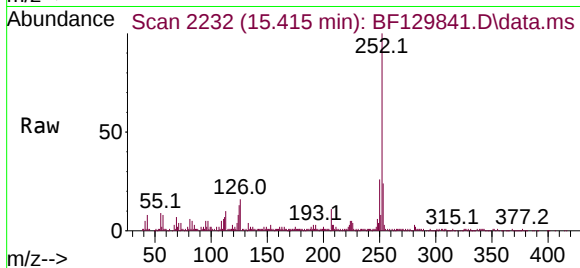
Tgt Ion:252 Resp: 60436

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 13.5 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.119 ng

RT: 17.421 min Scan# 2573

Delta R.T. 0.018 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Tgt Ion:276 Resp: 28053

Ion Ratio Lower Upper

276 100

277 25.5 18.2 27.4

138 23.3 15.8 23.8

