

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129929.D
 Acq On : 20 Aug 2022 01:51
 Operator : CG\JU
 Sample : N4217-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0815

Quant Time: Aug 20 07:58:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 20 07:47:33 2022
 Response via : Initial Calibration

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

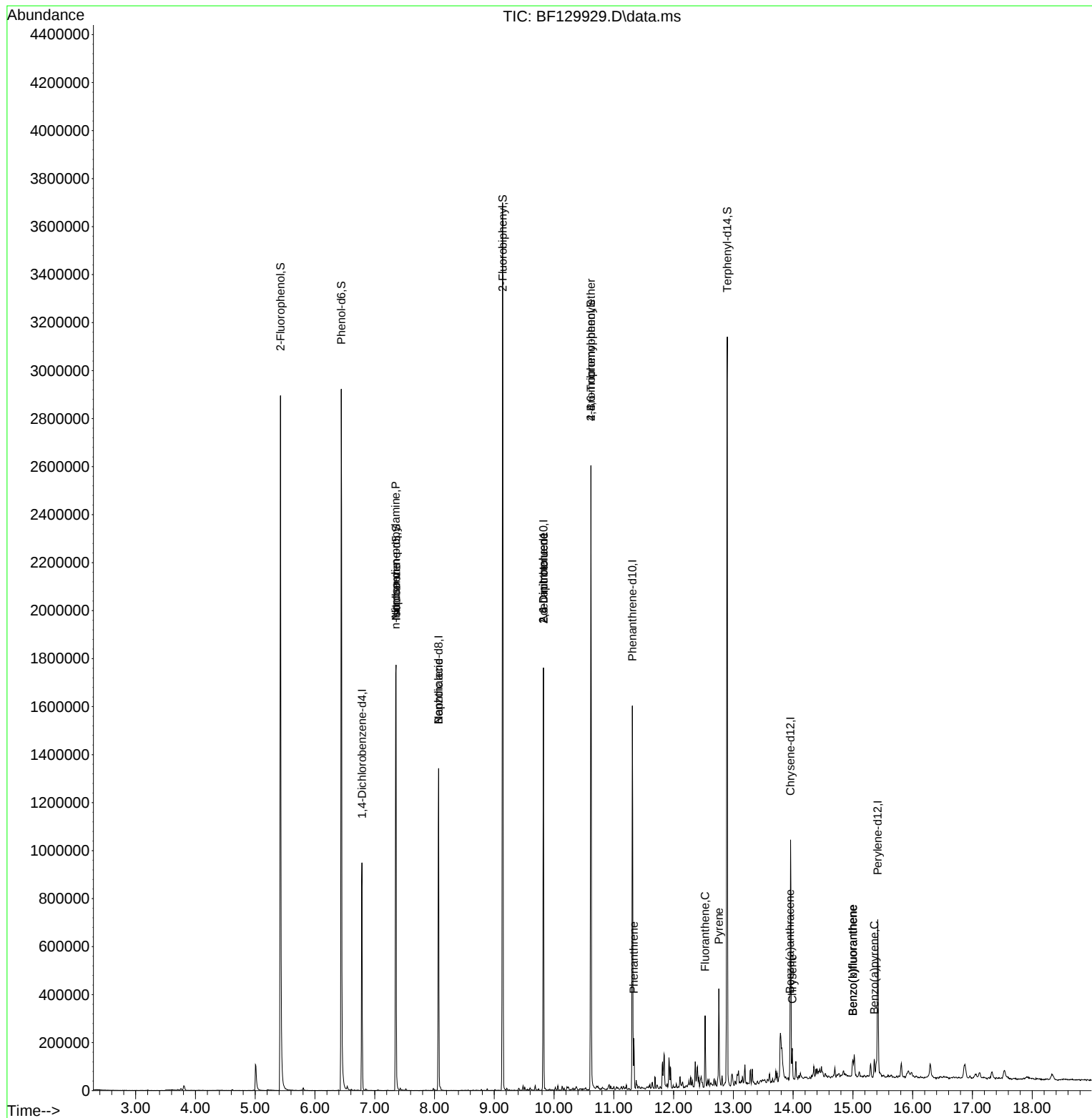
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	138154	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	573703	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	315674	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	541242	20.000	ng	0.00
76) Chrysene-d12	13.957	240	309232	20.000	ng	0.00
86) Perylene-d12	15.416	264	270409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	788284	94.472	ng	0.00
7) Phenol-d6	6.440	99	1005016	96.181	ng	0.00
23) Nitrobenzene-d5	7.357	82	611253	57.036	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	286858	90.541	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	1100430	52.945	ng	0.00
79) Terphenyl-d14	12.898	244	1092891	58.807	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	58	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.351	70	81472	12.335	ng	# 77
25) Isophorone	7.357	82	611249	33.138	ng	# 65
32) Benzoic acid	8.069	122	71	2.176	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	41203	8.394	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	41203	6.466	ng	# 18
67) 4-Bromophenyl-phenylether	10.616	248	17246	2.720	ng	# 1
71) Phenanthrene	11.333	178	72943	2.413	ng	99
75) Fluoranthene	12.527	202	92916	3.004	ng	97
77) Benzidine	12.898	184	15447	Below Cal	#	90
78) Pyrene	12.757	202	145167	5.402	ng	99
81) Benzo(a)anthracene	13.945	228	42971	2.020	ng	98
83) Chrysene	13.986	228	50438	2.533	ng	98
88) Benzo(b)fluoranthene	14.998	252	48059	2.595	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	48059	2.706	ng	# 93
90) Benzo(a)pyrene	15.357	252	31351	2.150	ng	# 92

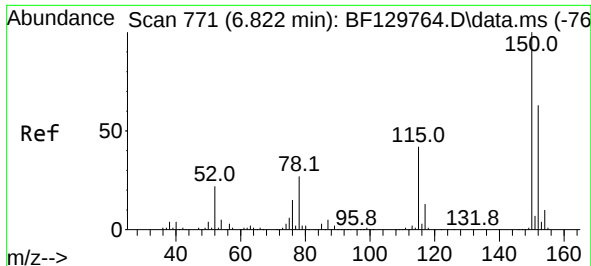
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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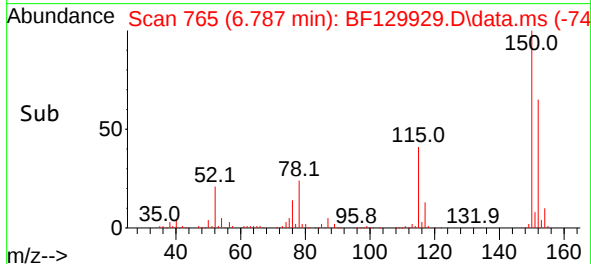
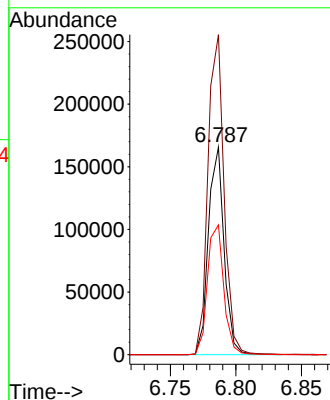
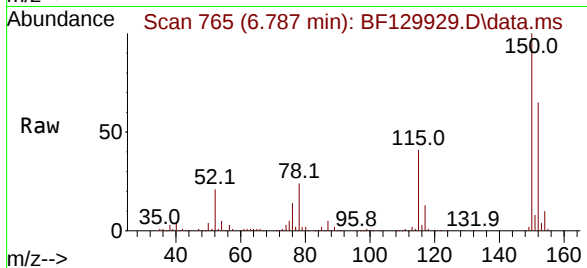




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

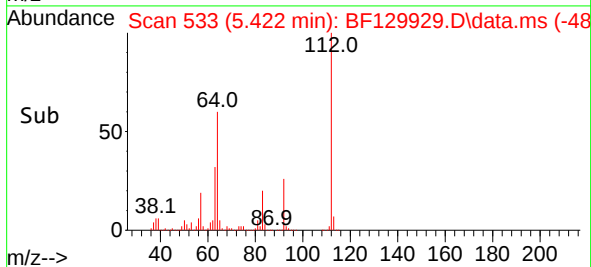
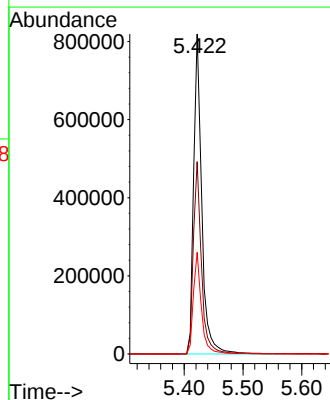
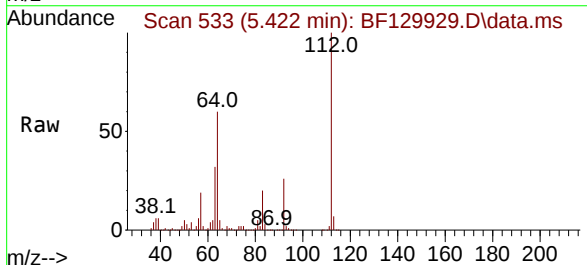
Instrument :
BNA_F
ClientSampleId :
TP2-0815

Tgt Ion:152 Resp: 138154
Ion Ratio Lower Upper
152 100
150 154.3 126.9 190.3
115 62.6 53.4 80.0



#5
2-Fluorophenol
Concen: 94.472 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.000 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion:112 Resp: 788284
Ion Ratio Lower Upper
112 100
64 60.1 47.6 71.4
63 31.7 24.6 37.0

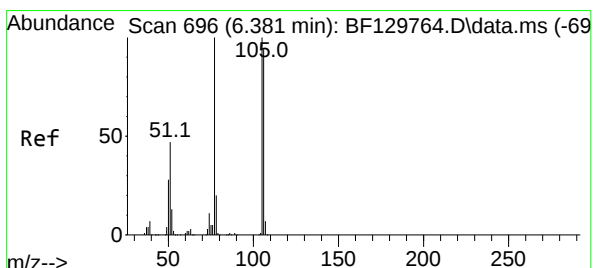
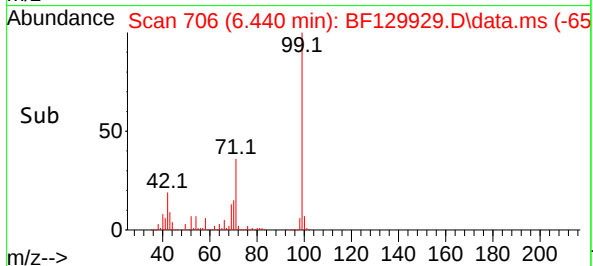
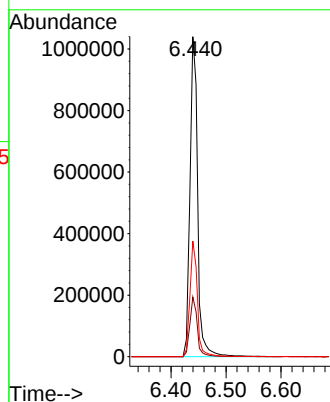
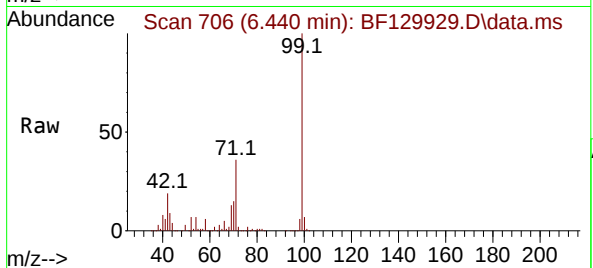




#7
Phenol-d6
Concen: 96.181 ng
RT: 6.440 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

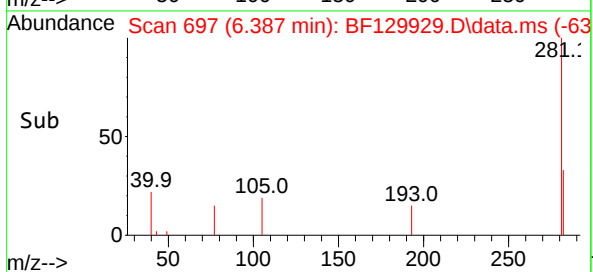
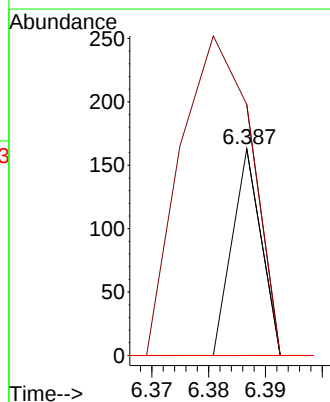
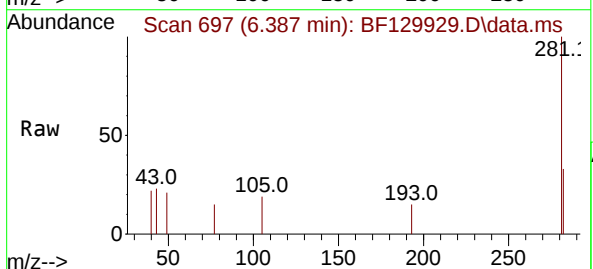
Instrument :
BNA_F
ClientSampleId :
TP2-0815

Tgt Ion: 99 Resp: 1005016
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.2 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 697
Delta R.T. 0.041 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion: 77 Resp: 58
Ion Ratio Lower Upper
77 100
105 121.5 80.3 120.3#
106 0.0 74.3 114.3#

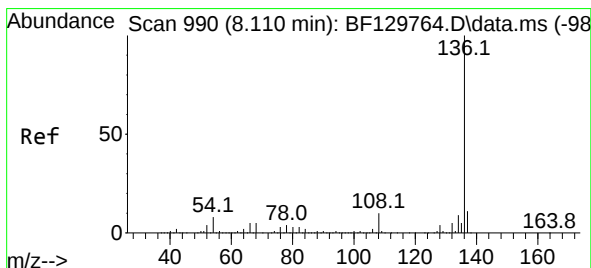
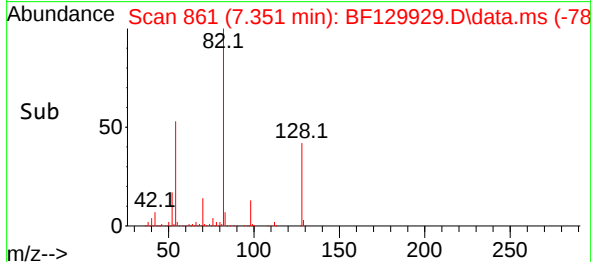
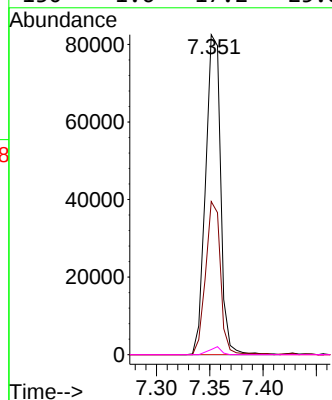
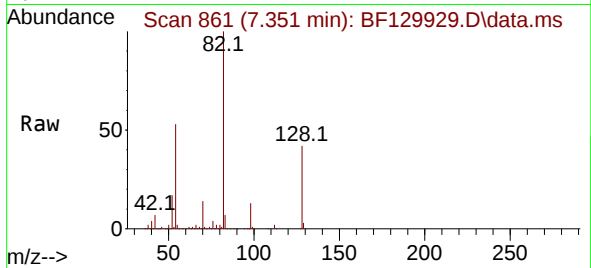




#19
n-Nitroso-di-n-propylamine
Concen: 12.335 ng
RT: 7.351 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

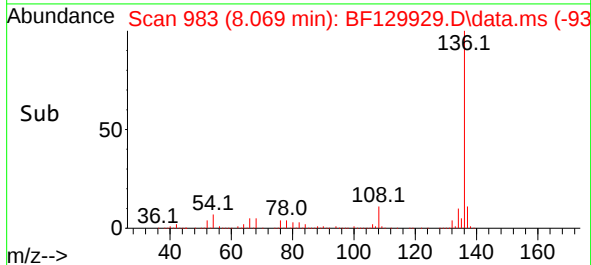
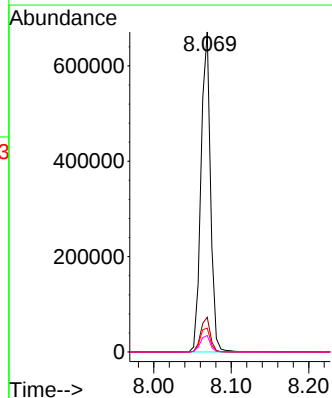
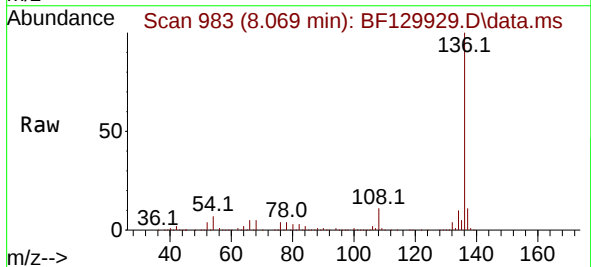
Instrument :
BNA_F
ClientSampleId :
TP2-0815

Tgt Ion: 70 Resp: 81472
Ion Ratio Lower Upper
70 100
42 47.8 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: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion: 136 Resp: 573703
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.4 6.2 9.2
68 5.1 4.2 6.4

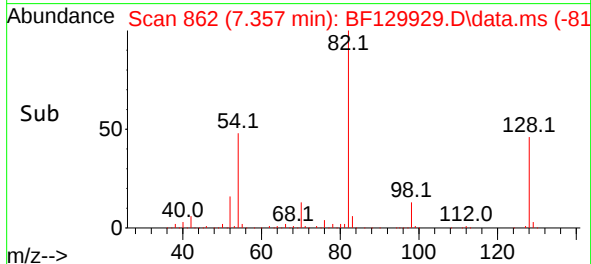
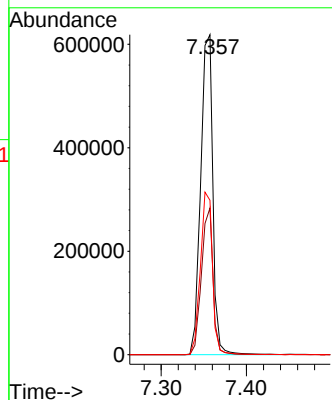
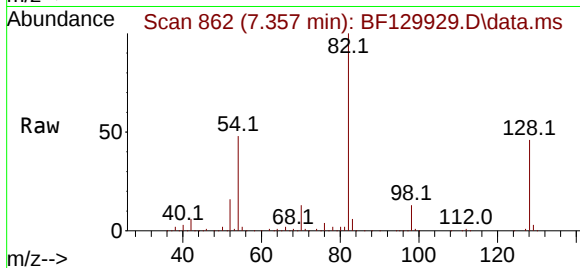




#23
Nitrobenzene-d5
Concen: 57.036 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

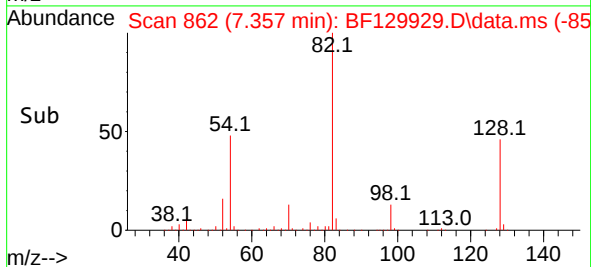
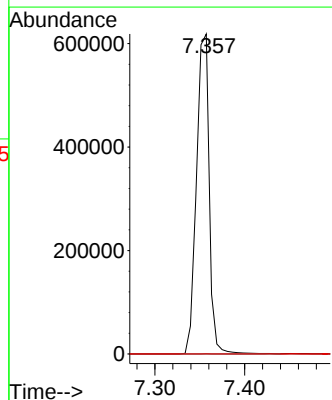
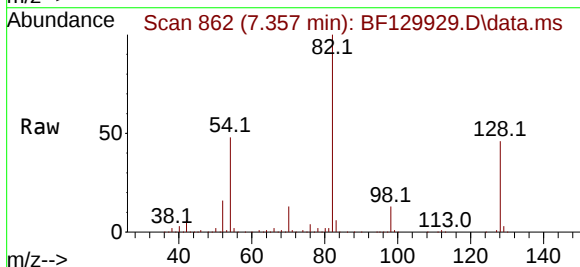
Instrument :
BNA_F
ClientSampleId :
TP2-0815

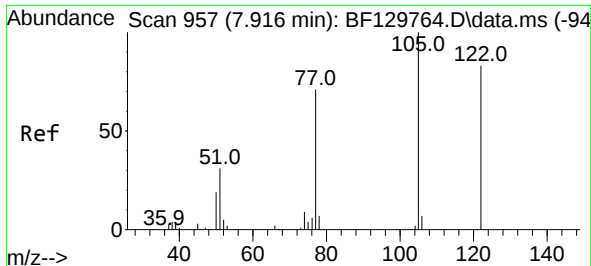
Tgt Ion: 82 Resp: 611253
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 48.3 40.0 60.0



#25
Isophorone
Concen: 33.138 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.259 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion: 82 Resp: 611249
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

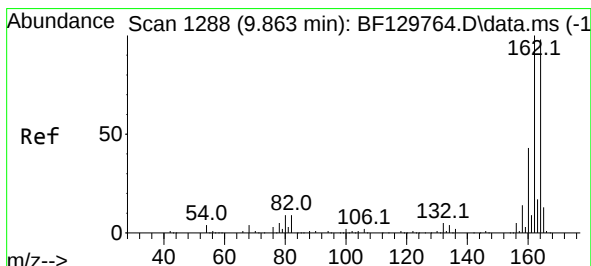
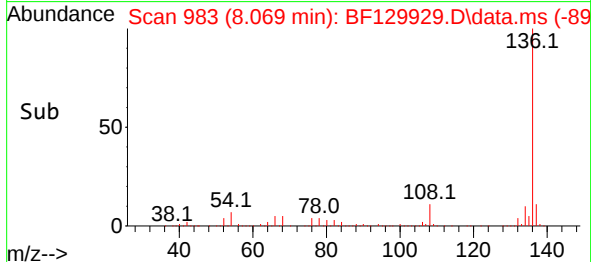
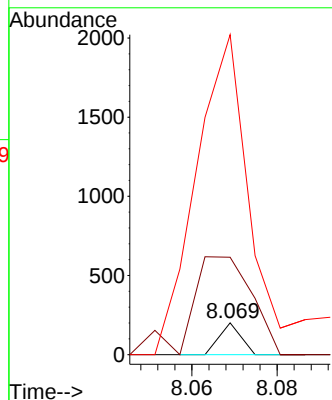
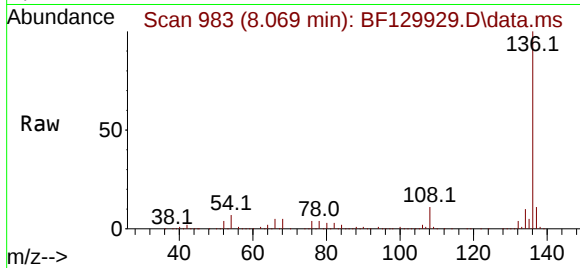




#32
Benzoic acid
Concen: 2.176 ng
RT: 8.069 min Scan# 91
Delta R.T. 0.194 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

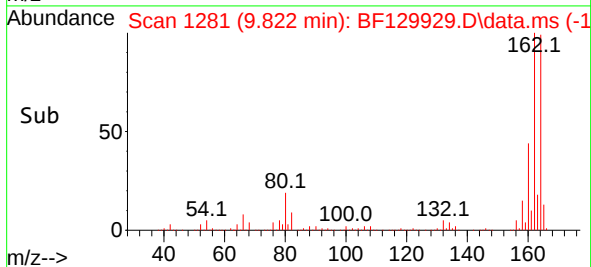
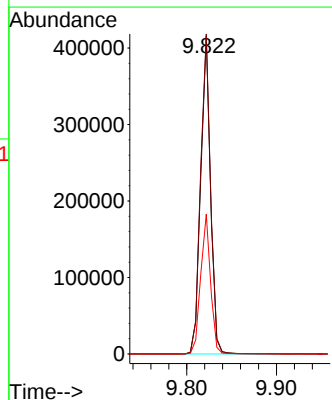
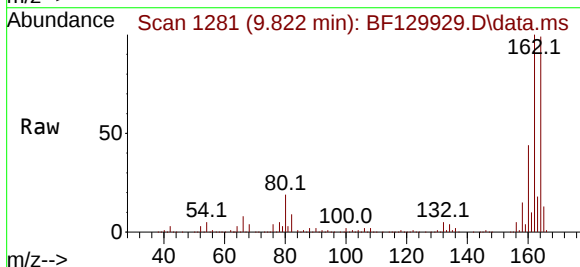
Instrument :
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ClientSampleId :
TP2-0815

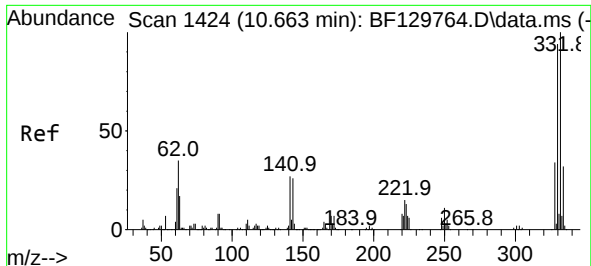
Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 306.0 99.9 139.9#
77 1005.5 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion:164 Resp: 315674
Ion Ratio Lower Upper
164 100
162 100.7 82.0 123.0
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 90.541 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

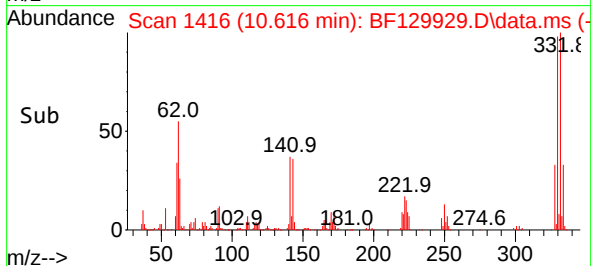
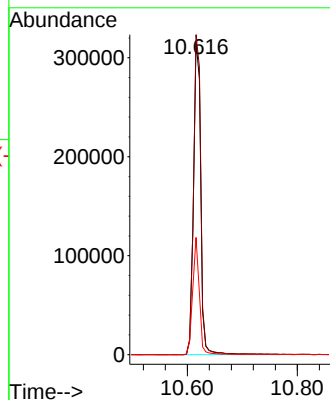
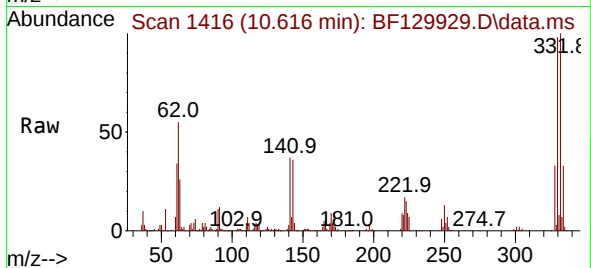
Tgt Ion:330 Resp: 286858

Ion Ratio Lower Upper

330 100

332 102.0 82.6 124.0

141 34.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 52.945 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

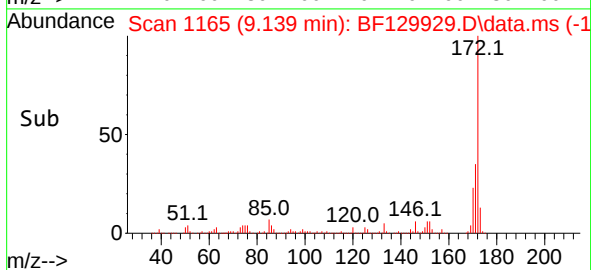
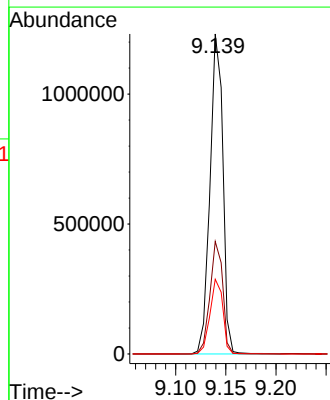
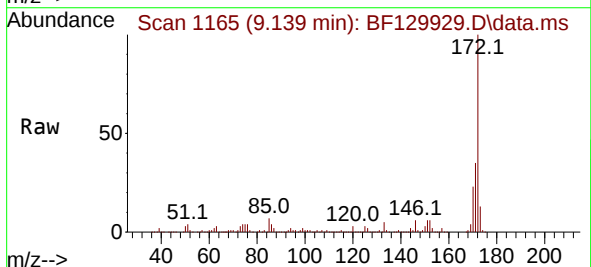
Tgt Ion:172 Resp: 1100430

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.4 19.1 28.7

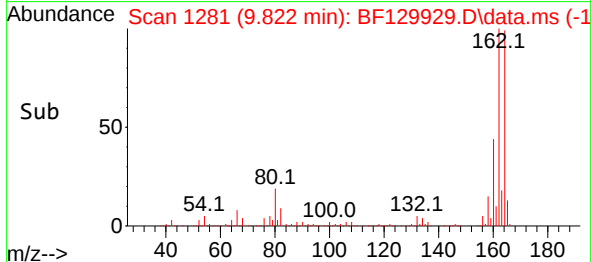
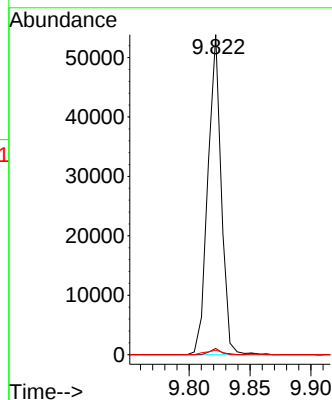
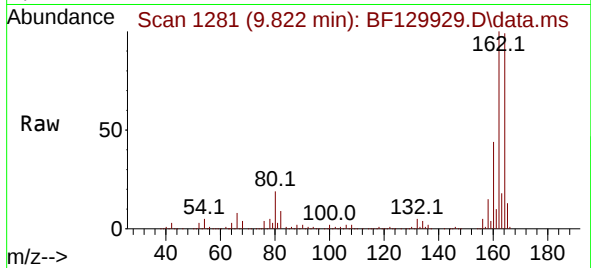




#51
2,6-Dinitrotoluene
Concen: 8.394 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

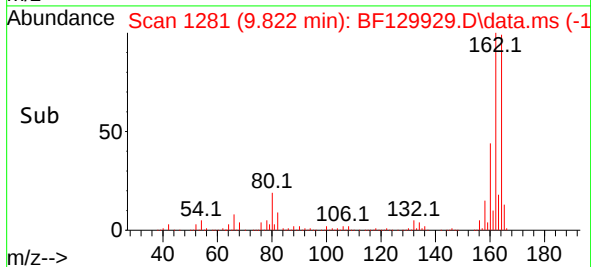
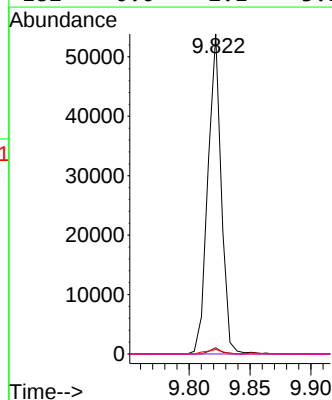
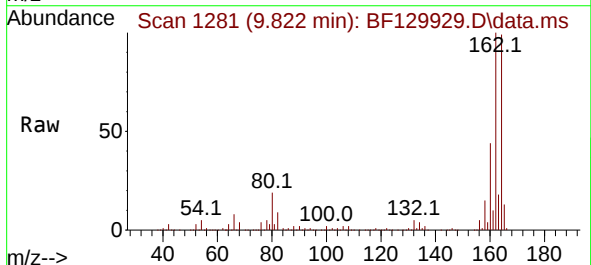
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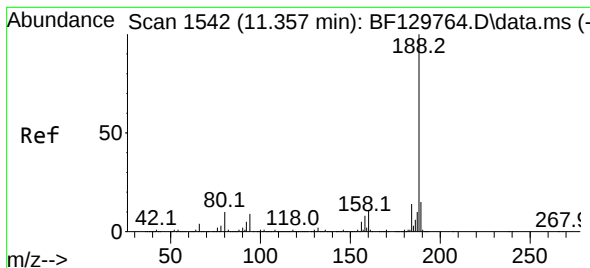
Tgt Ion:165 Resp: 41203
Ion Ratio Lower Upper
165 100
63 1.9 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.466 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.212 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion:165 Resp: 41203
Ion Ratio Lower Upper
165 100
63 1.9 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: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

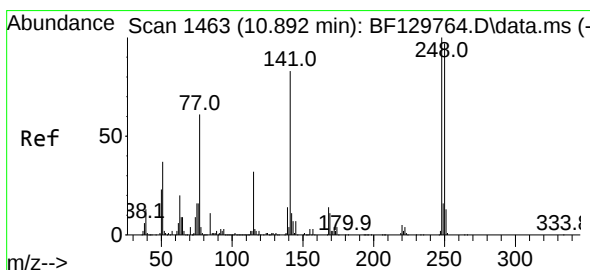
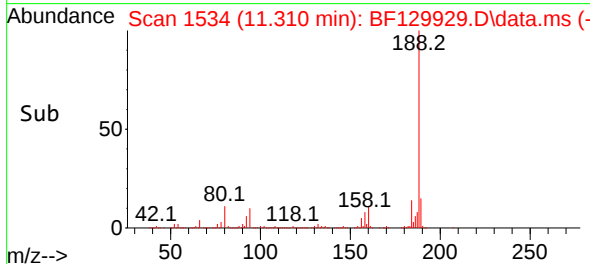
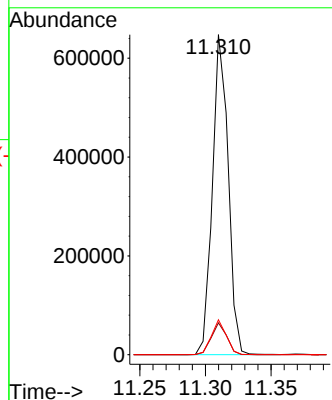
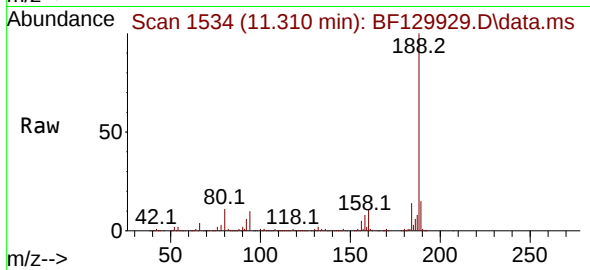
Tgt Ion:188 Resp: 541242

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

80 10.9 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.720 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.235 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

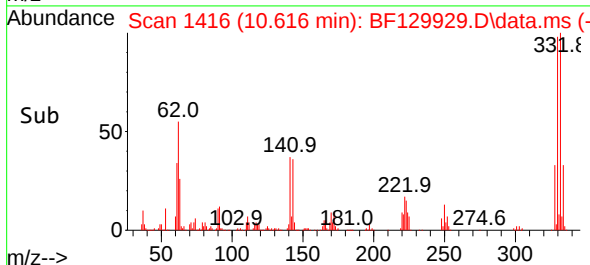
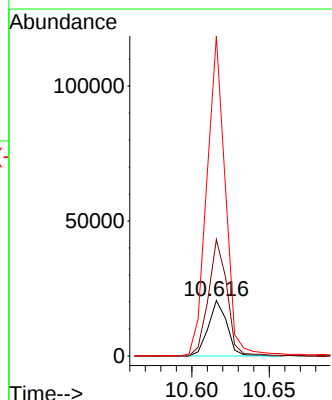
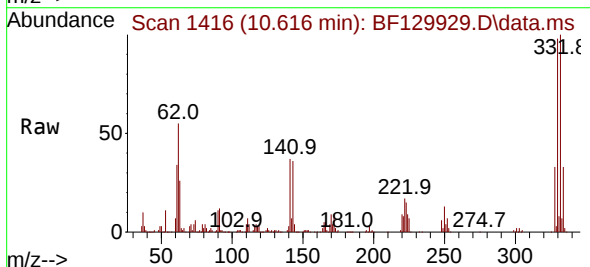
Tgt Ion:248 Resp: 17246

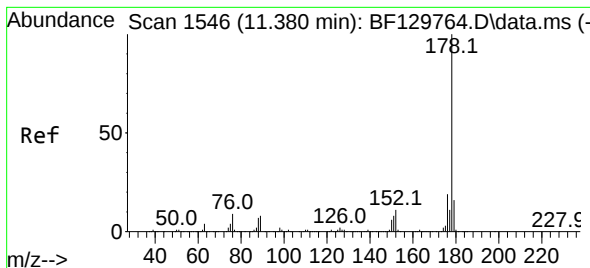
Ion Ratio Lower Upper

248 100

250 210.3 77.8 116.6#

141 577.9 66.2 99.2#





#71

Phenanthrene

Concen: 2.413 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

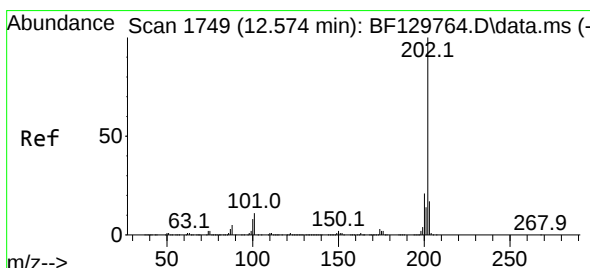
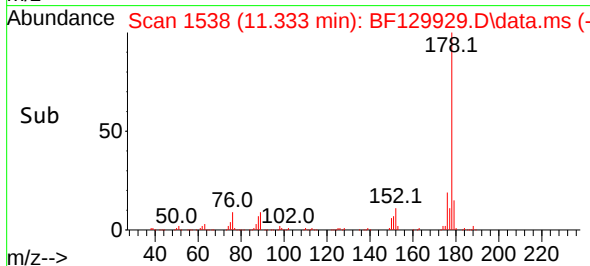
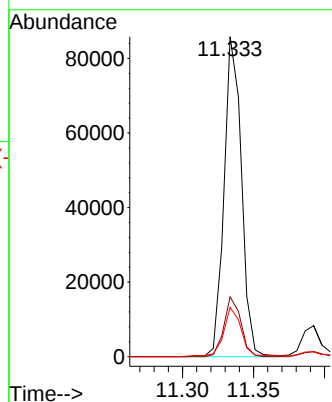
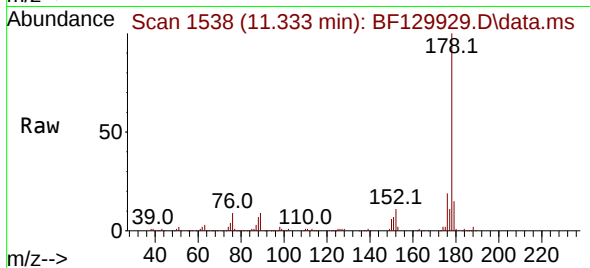
Tgt Ion:178 Resp: 72943

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.4 12.5 18.7



#75

Fluoranthene

Concen: 3.004 ng

RT: 12.527 min Scan# 1741

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

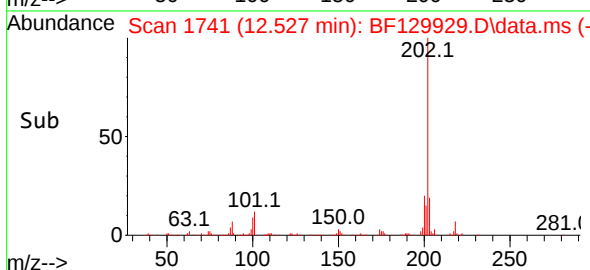
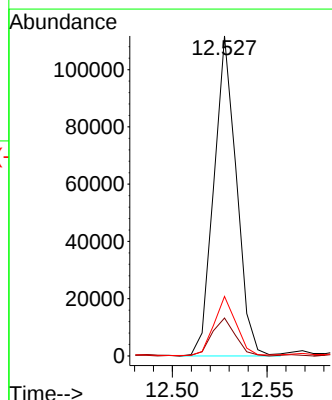
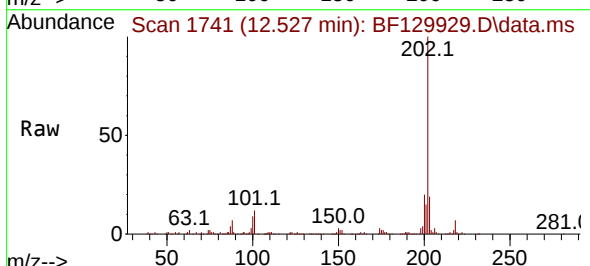
Tgt Ion:202 Resp: 92916

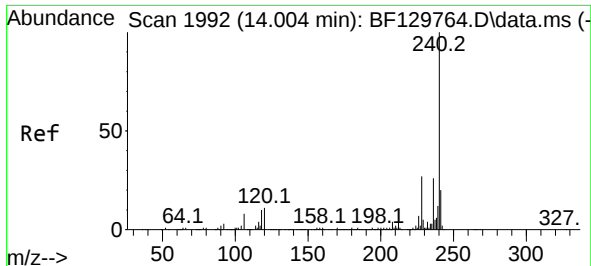
Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.7

203 18.6 0.0 37.5

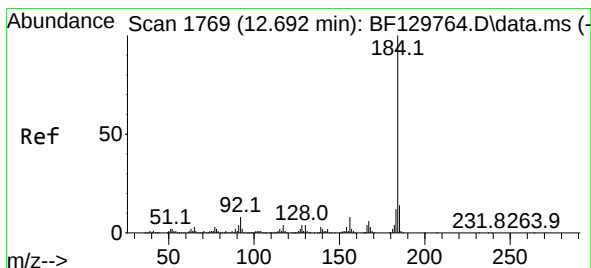
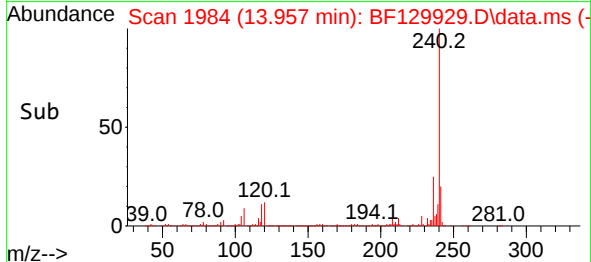
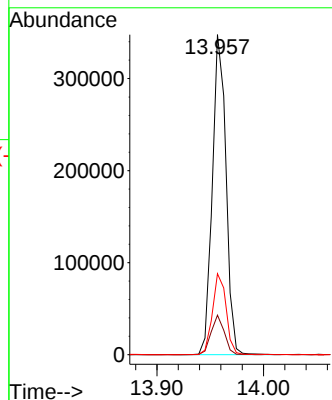
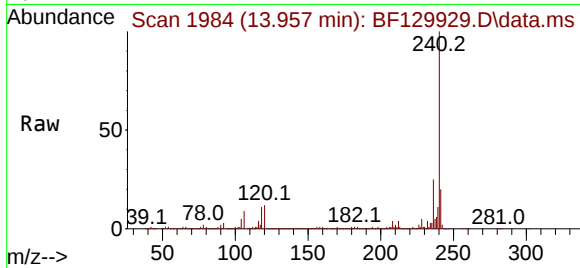




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

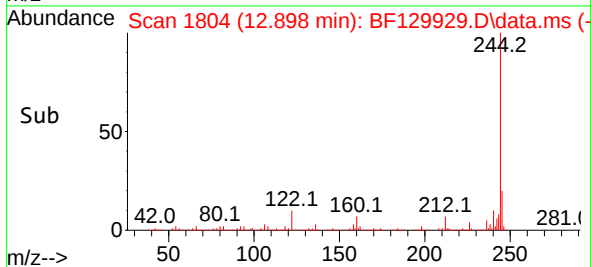
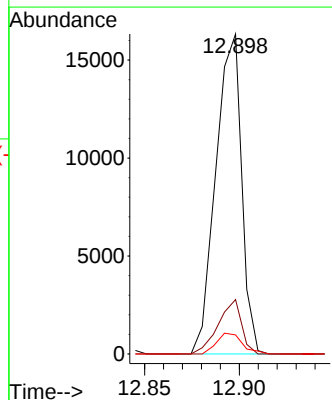
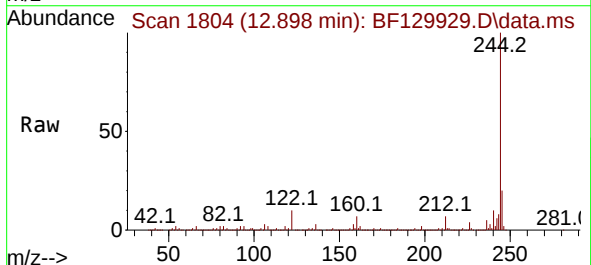
Instrument :
BNA_F
ClientSampleId :
TP2-0815

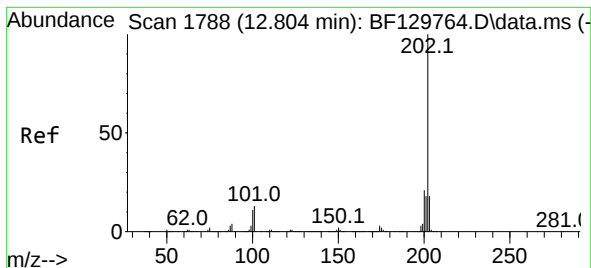
Tgt Ion:240 Resp: 309232
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 25.3 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.898 min Scan# 1804
Delta R.T. 0.241 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion:184 Resp: 15447
Ion Ratio Lower Upper
184 100
185 17.0 11.4 17.2
183 5.9 9.4 14.2#





#78

Pyrene

Concen: 5.402 ng

RT: 12.757 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

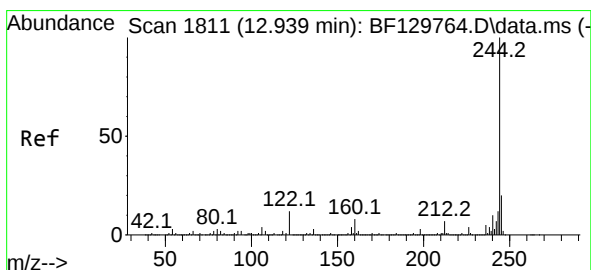
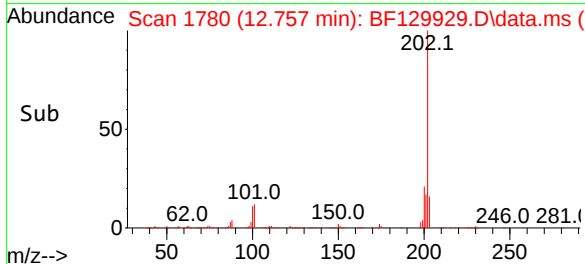
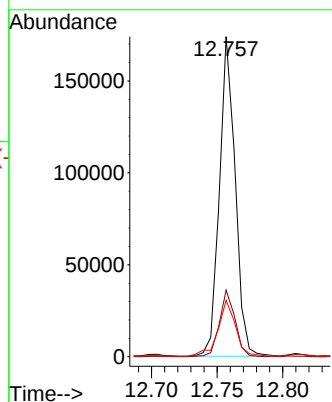
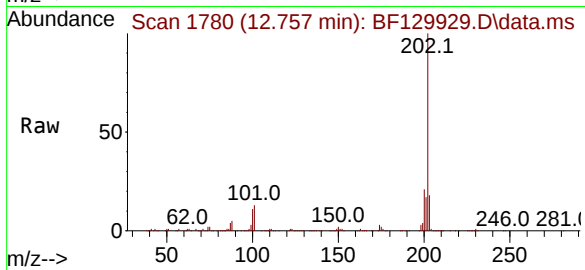
Tgt Ion:202 Resp: 145167

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 58.807 ng

RT: 12.898 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

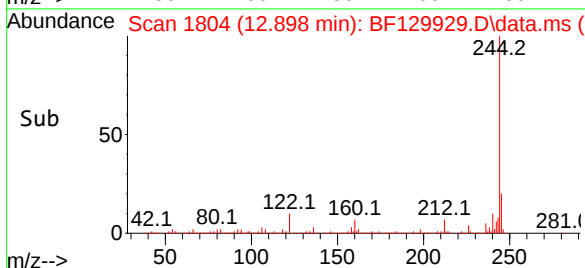
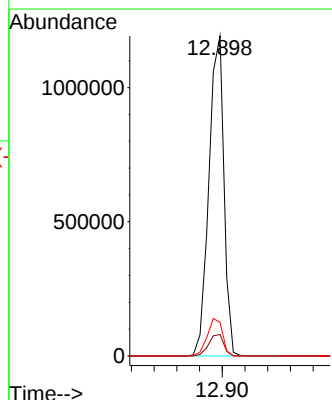
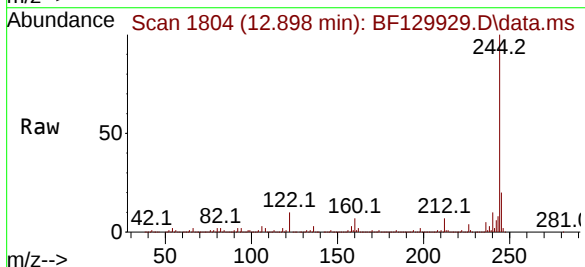
Tgt Ion:244 Resp: 1092891

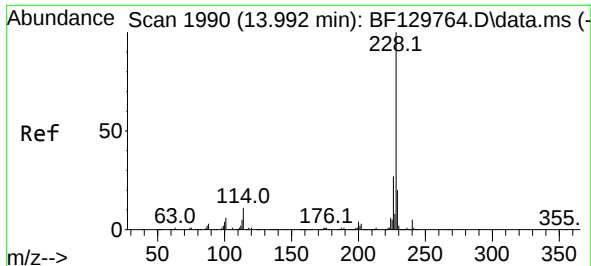
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.5 9.9 14.9

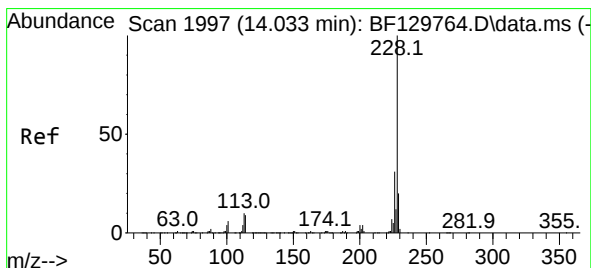
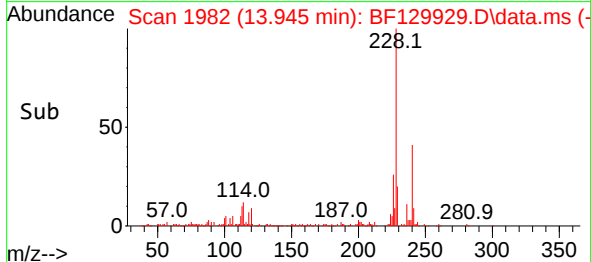
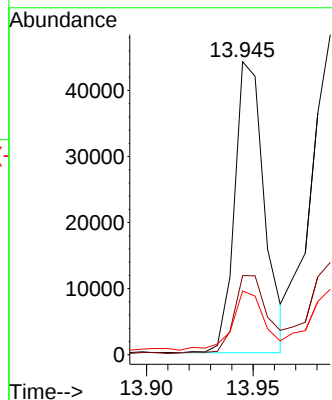
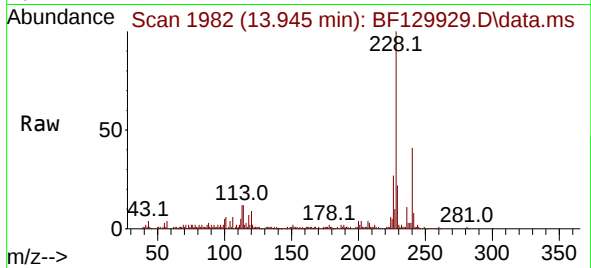




#81
Benzo(a)anthracene
Concen: 2.020 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

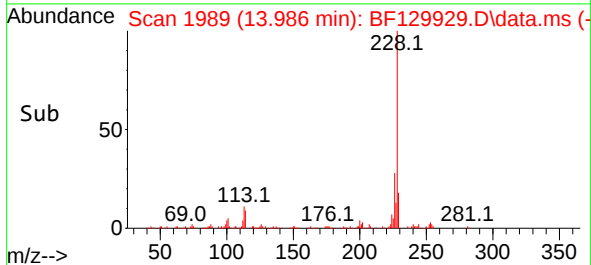
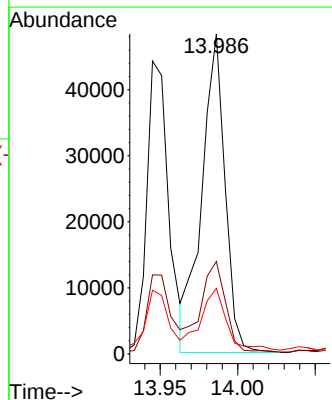
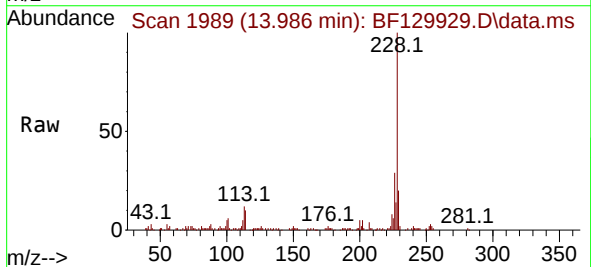
Instrument :
BNA_F
ClientSampleId :
TP2-0815

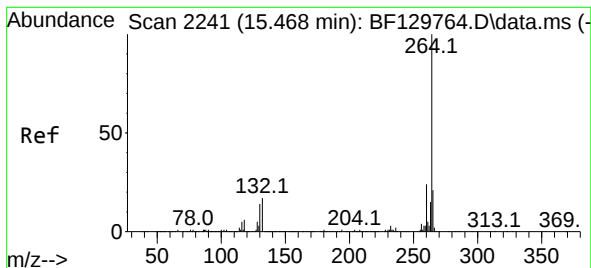
Tgt Ion:228 Resp: 42971
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 21.7 16.1 24.1



#83
Chrysene
Concen: 2.533 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129929.D
Acq: 20 Aug 2022 01:51

Tgt Ion:228 Resp: 50438
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 20.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

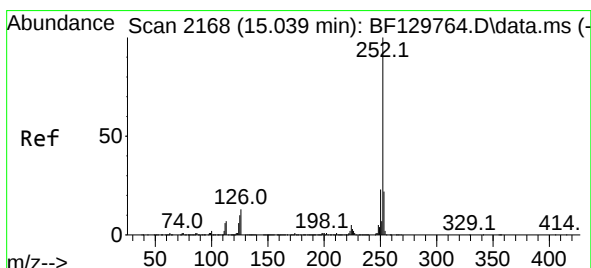
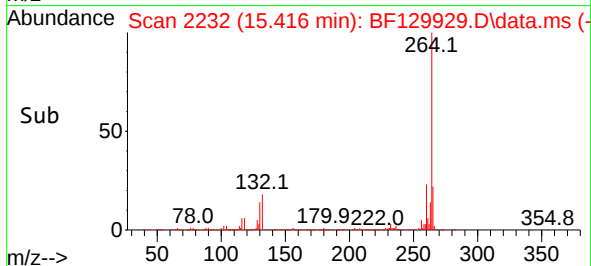
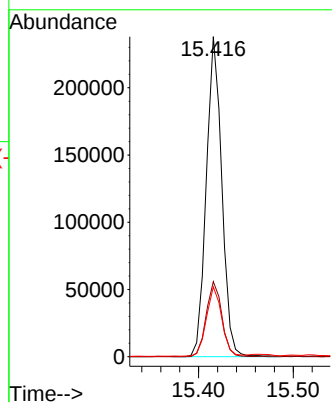
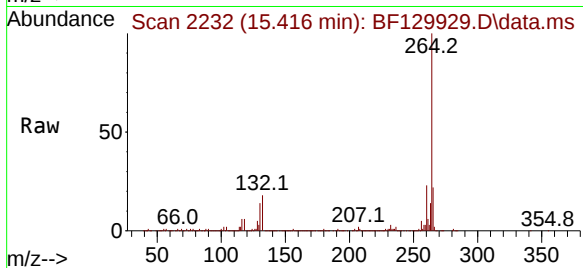
Tgt Ion:264 Resp: 270409

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.8 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 2.595 ng

RT: 14.998 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

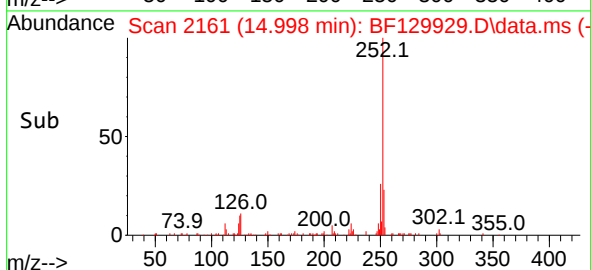
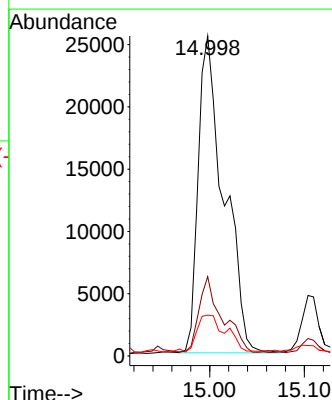
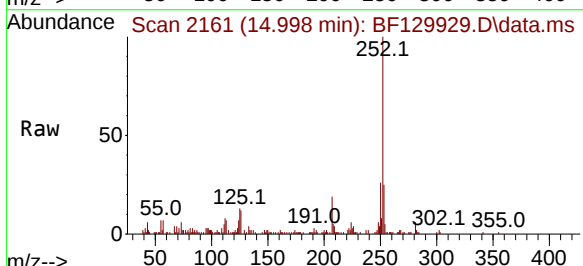
Tgt Ion:252 Resp: 48059

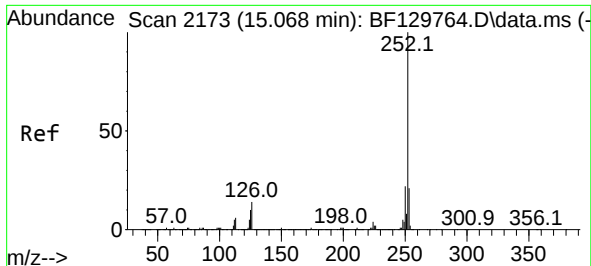
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 12.7 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 2.706 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Instrument :

BNA_F

ClientSampleId :

TP2-0815

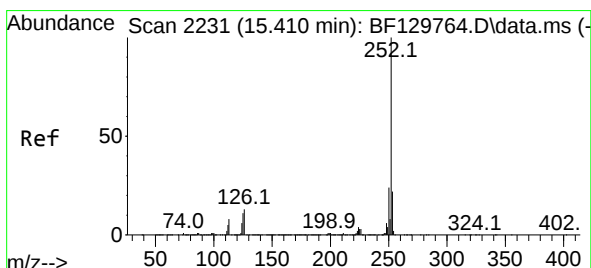
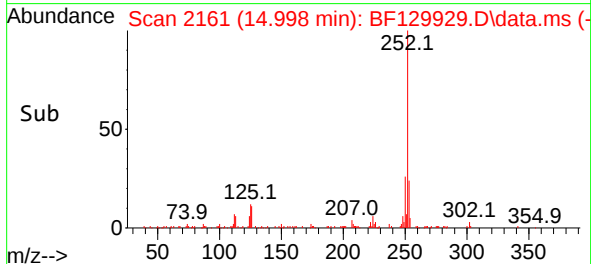
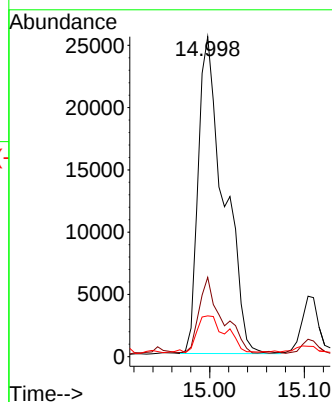
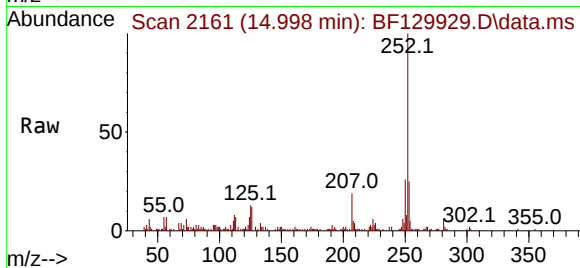
Tgt Ion:252 Resp: 48059

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 12.7 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 2.150 ng

RT: 15.357 min Scan# 2222

Delta R.T. 0.000 min

Lab File: BF129929.D

Acq: 20 Aug 2022 01:51

Tgt Ion:252 Resp: 31351

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 14.6 8.8 13.2#

