

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129790.D
 Acq On : 15 Aug 2022 20:15
 Operator : CG\JU
 Sample : N4200-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S13

Quant Time: Aug 16 03:17:56 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)

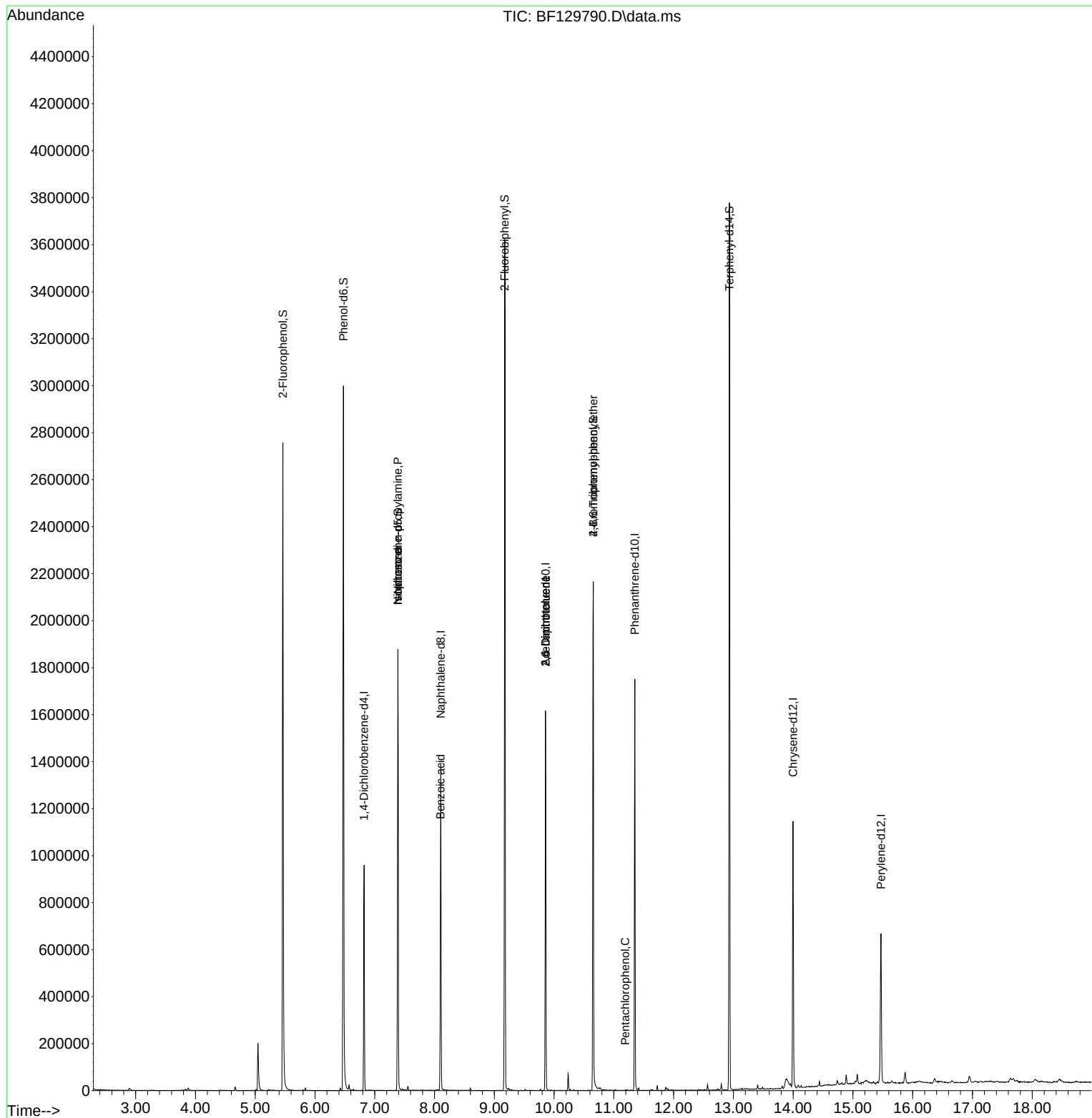
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	139571	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	581418	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	318082	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	568534	20.000	ng	0.00
76) Chrysene-d12	13.998	240	369485	20.000	ng	0.00
86) Perylene-d12	15.468	264	280759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	763428	90.564	ng	0.00
7) Phenol-d6	6.475	99	962096	91.139	ng	0.00
23) Nitrobenzene-d5	7.386	82	604331	55.641	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	266587	83.506	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1141116	54.487	ng	-0.01
79) Terphenyl-d14	12.933	244	1262385	56.850	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.334	77	120	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.386	70	79110	11.856	ng	# 77
25) Isophorone	7.386	82	604326	32.328	ng	# 65
32) Benzoic acid	8.098	122	161	2.210	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	40160	8.119	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	40160	6.254	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	16953	2.546	ng	# 1
70) Pentachlorophenol	11.192	266	59	5.207	ng	# 20
77) Benzidine	12.933	184	17261	Below Cal	#	94

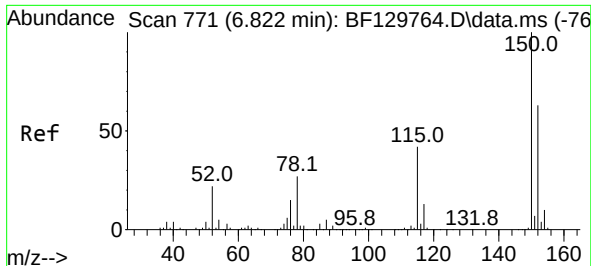
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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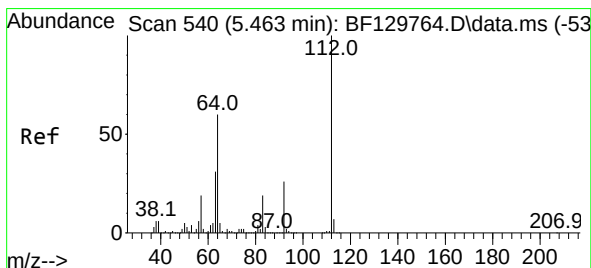
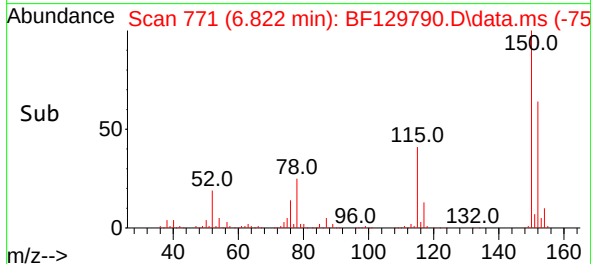
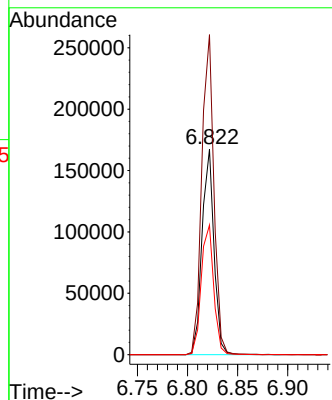
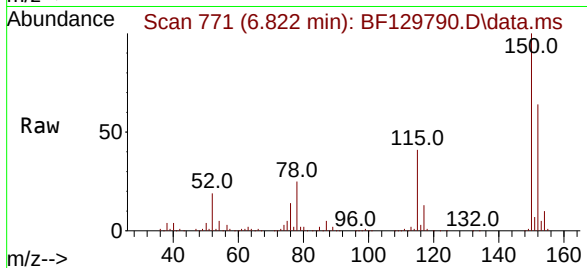




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: BF129790.D
 Acq: 15 Aug 2022 20:15

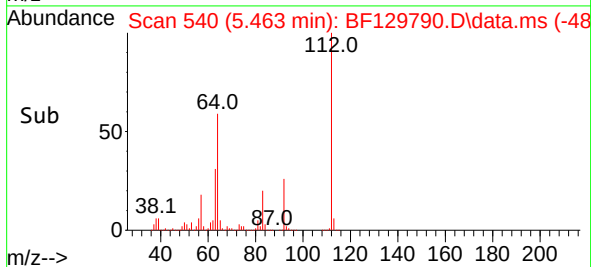
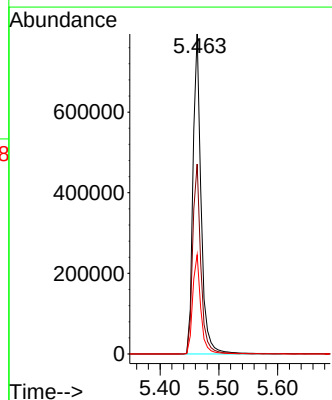
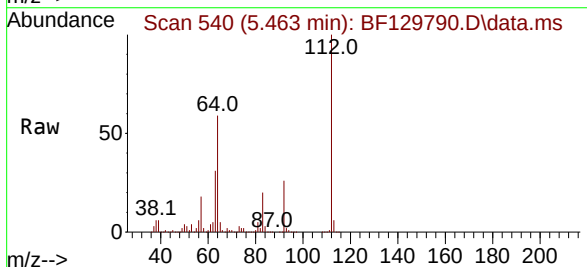
Instrument :
 BNA_F
 ClientSampleId :
 S13

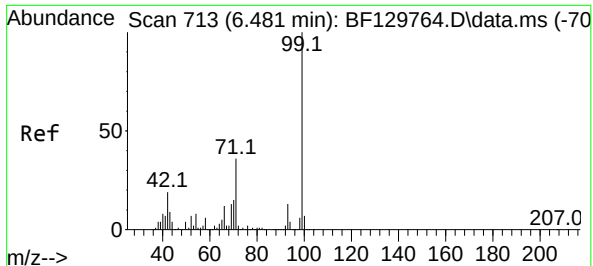
Tgt Ion:152 Resp: 139571
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.9 190.3
 115 63.1 53.4 80.0



#5
 2-Fluorophenol
 Concen: 90.564 ng
 RT: 5.463 min Scan# 540
 Delta R.T. -0.000 min
 Lab File: BF129790.D
 Acq: 15 Aug 2022 20:15

Tgt Ion:112 Resp: 763428
 Ion Ratio Lower Upper
 112 100
 64 59.3 47.6 71.4
 63 31.0 24.6 37.0

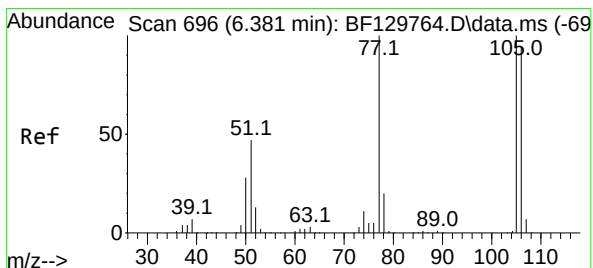
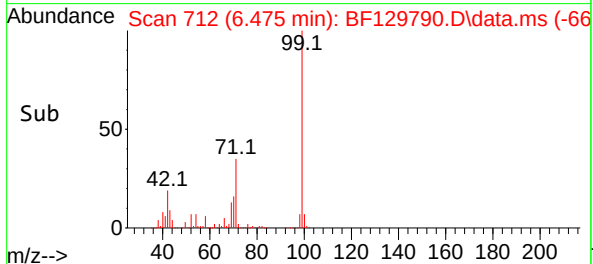
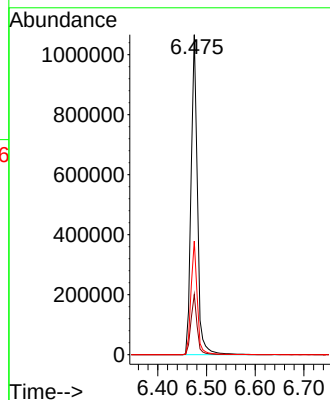
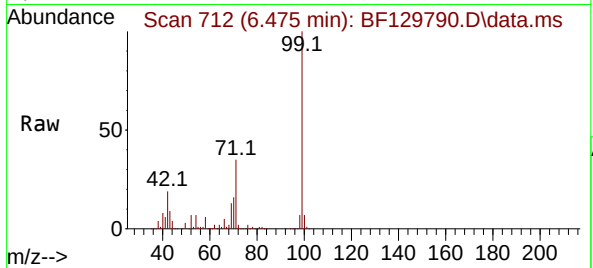




#7
Phenol-d6
Concen: 91.139 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

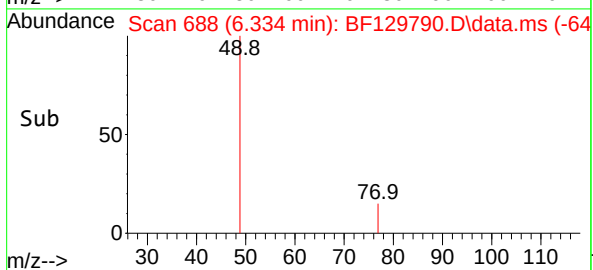
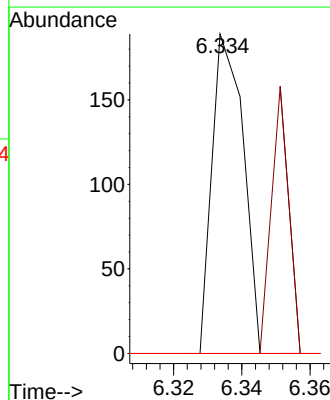
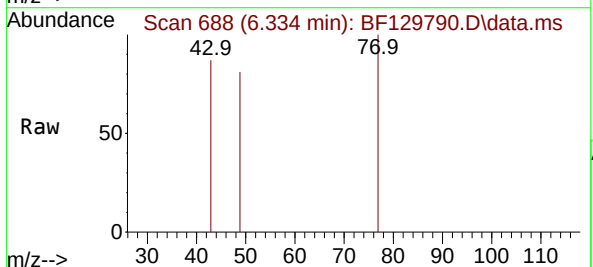
Instrument :
BNA_F
ClientSampleId :
S13

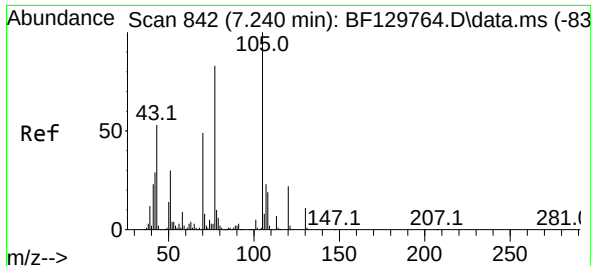
Tgt Ion: 99 Resp: 962096
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 35.5 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.334 min Scan# 688
Delta R.T. -0.047 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

Tgt Ion: 77 Resp: 120
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

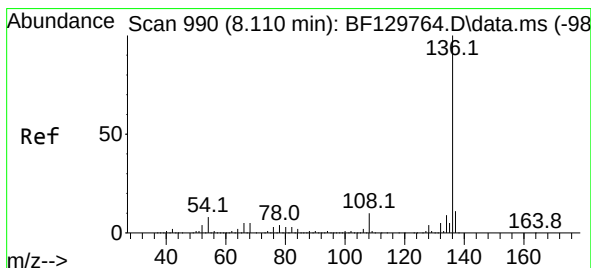
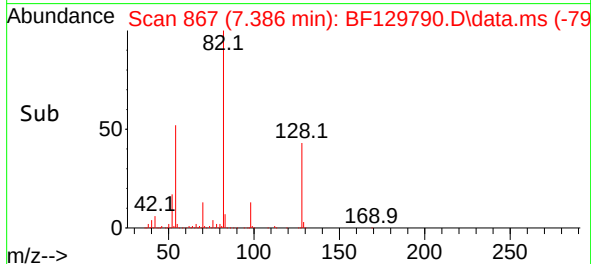
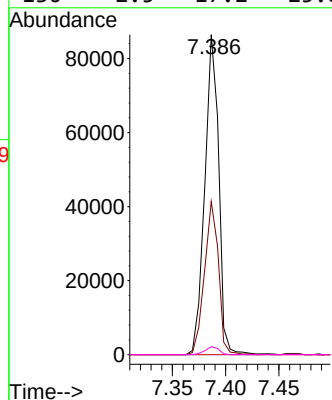
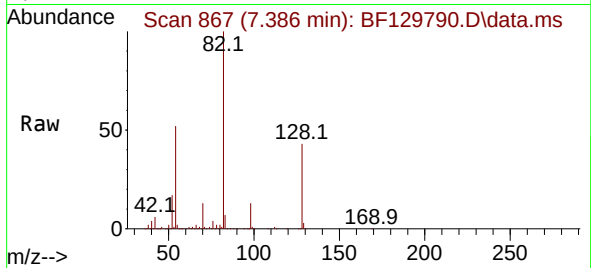




#19
n-Nitroso-di-n-propylamine
Concen: 11.856 ng
RT: 7.386 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

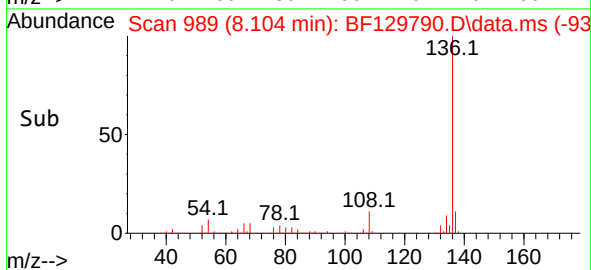
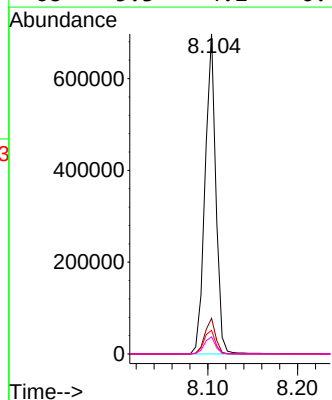
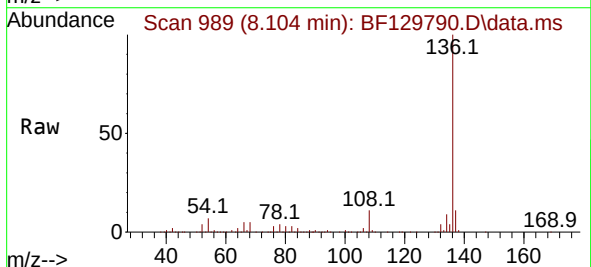
Instrument :
BNA_F
ClientSampleId :
S13

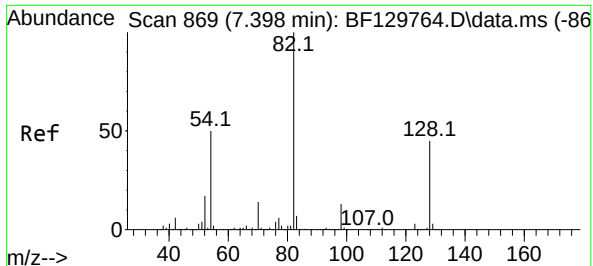
Tgt Ion: 70 Resp: 79110
Ion Ratio Lower Upper
70 100
42 47.9 47.6 71.4
101 0.0 8.1 12.1#
130 2.5 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

Tgt Ion: 136 Resp: 581418
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.4 6.2 9.2
68 5.3 4.2 6.4





#23

Nitrobenzene-d5

Concen: 55.641 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13

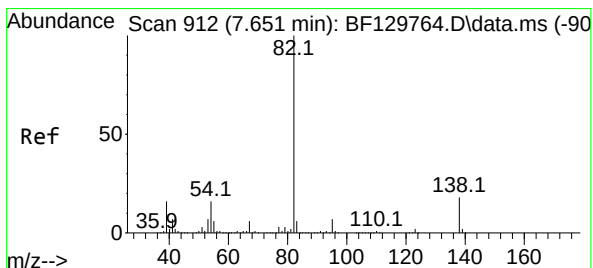
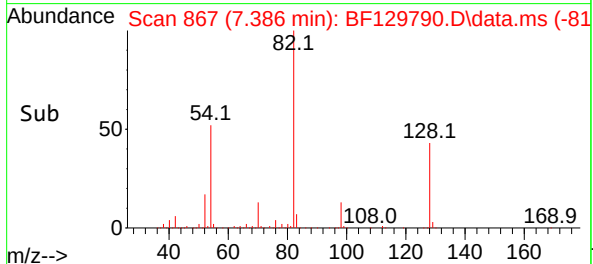
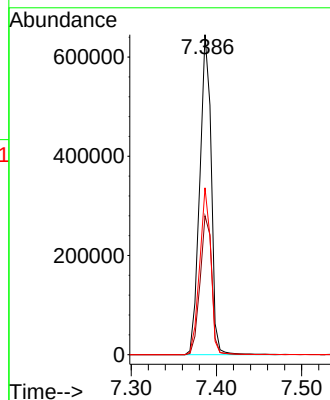
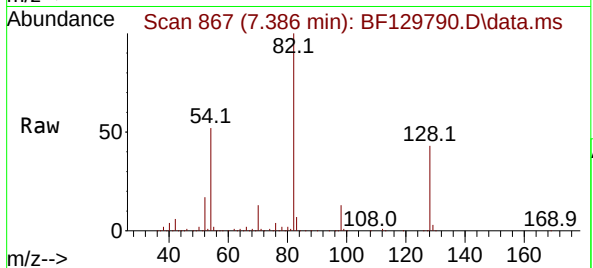
Tgt Ion: 82 Resp: 604331

Ion Ratio Lower Upper

82 100

128 43.4 36.1 54.1

54 52.1 40.0 60.0



#25

Isophorone

Concen: 32.328 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.265 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

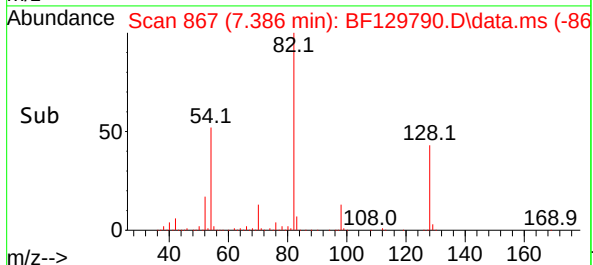
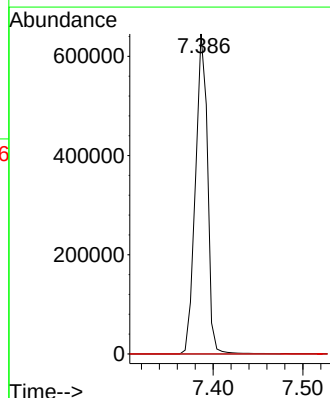
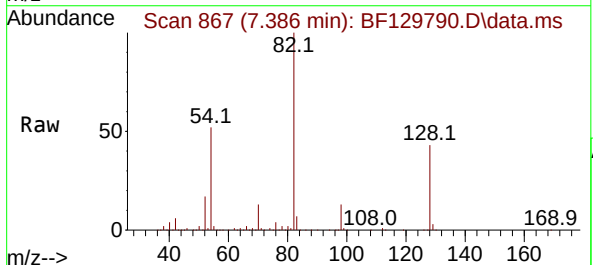
Tgt Ion: 82 Resp: 604326

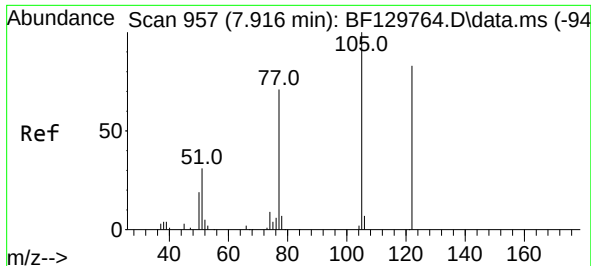
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

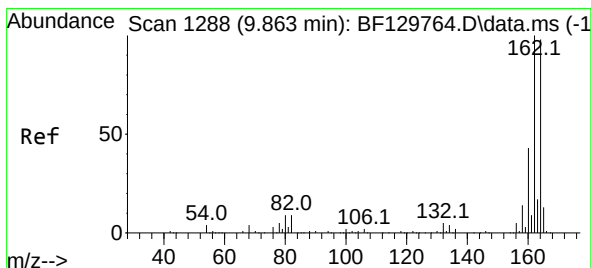
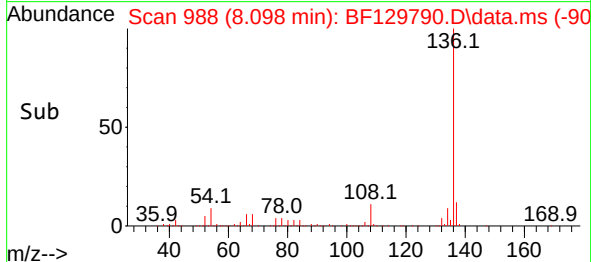
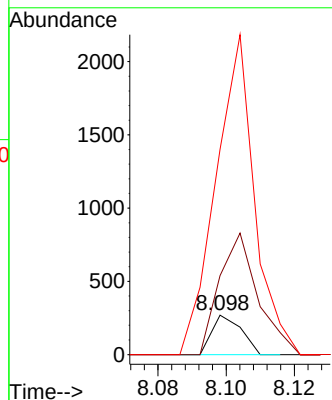
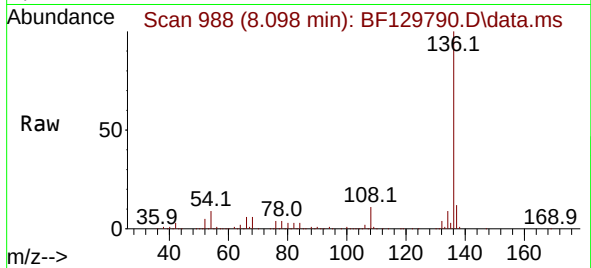




#32
Benzoic acid
Concen: 2.210 ng
RT: 8.098 min Scan# 91
Delta R.T. 0.182 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

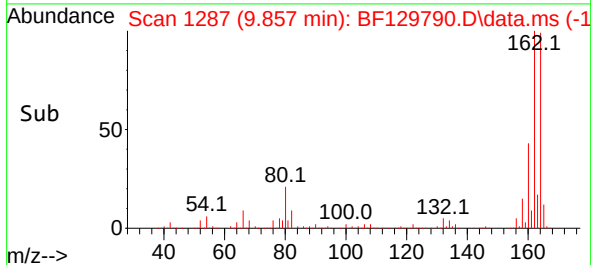
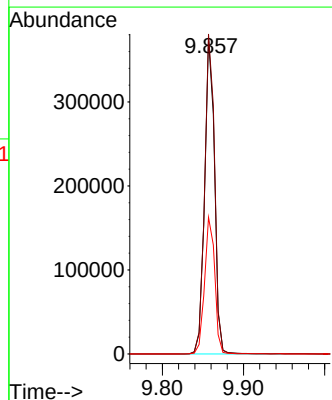
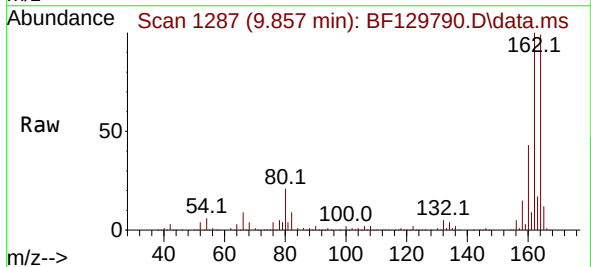
Instrument :
BNA_F
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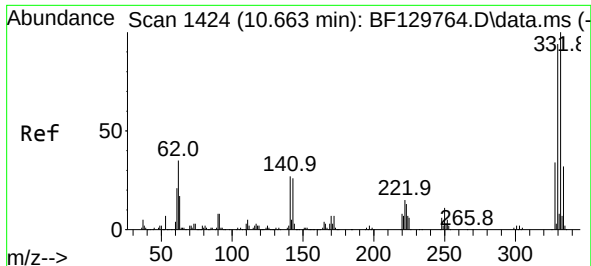
Tgt Ion:122 Resp: 161
Ion Ratio Lower Upper
122 100
105 200.4 99.9 139.9#
77 520.8 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

Tgt Ion:164 Resp: 318082
Ion Ratio Lower Upper
164 100
162 101.3 82.0 123.0
160 43.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 83.506 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13

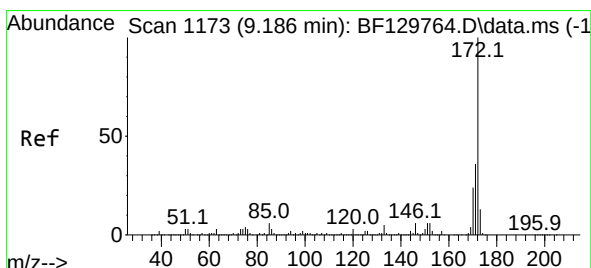
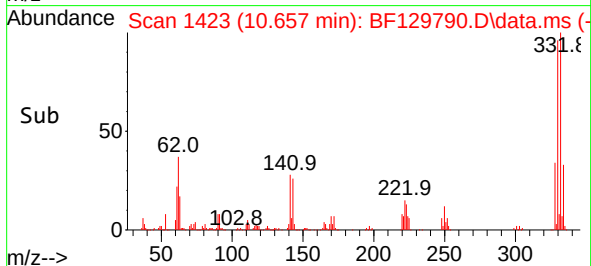
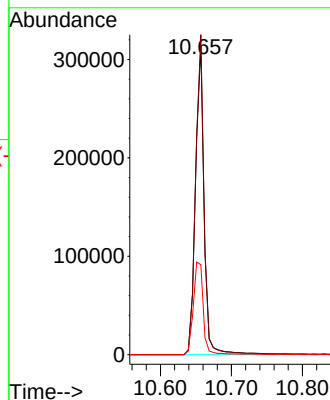
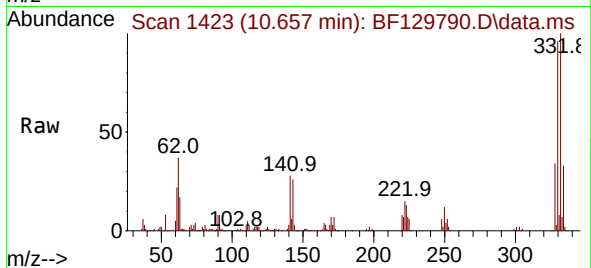
Tgt Ion:330 Resp: 266587

Ion Ratio Lower Upper

330 100

332 103.0 82.6 124.0

141 34.8 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 54.487 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.012 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

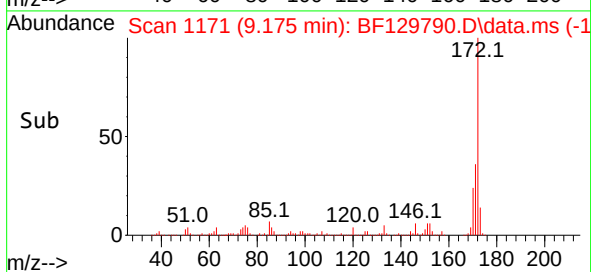
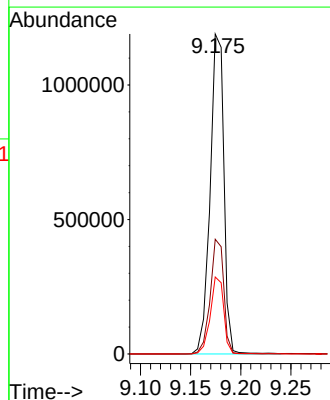
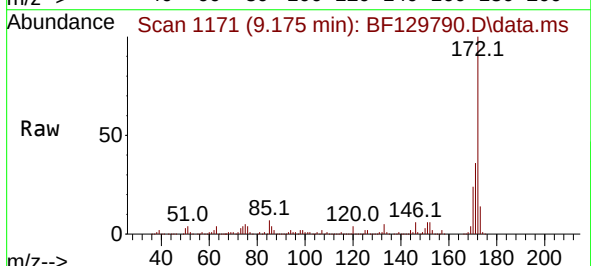
Tgt Ion:172 Resp: 1141116

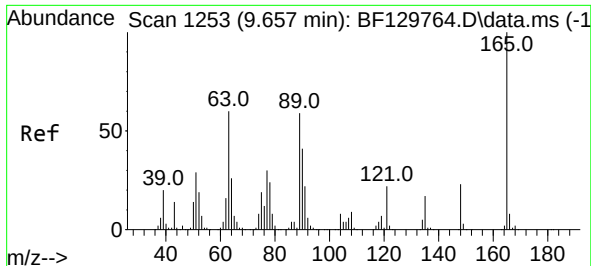
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 24.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.119 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13

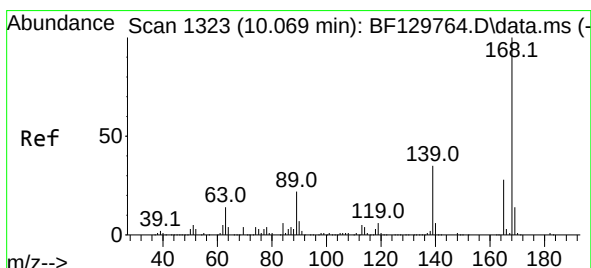
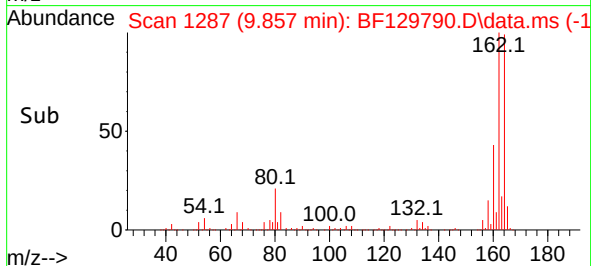
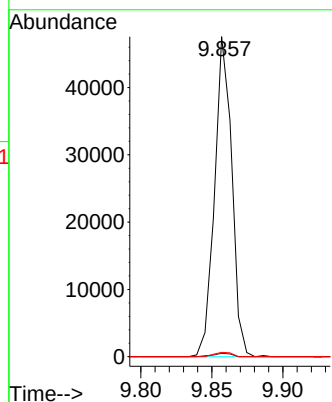
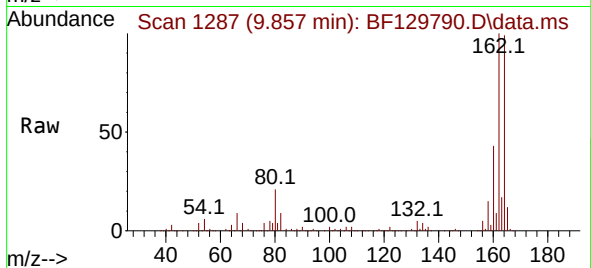
Tgt Ion:165 Resp: 40160

Ion Ratio Lower Upper

165 100

63 1.1 47.8 71.8#

89 1.4 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.254 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Tgt Ion:165 Resp: 40160

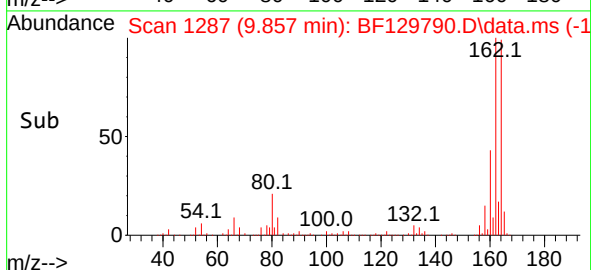
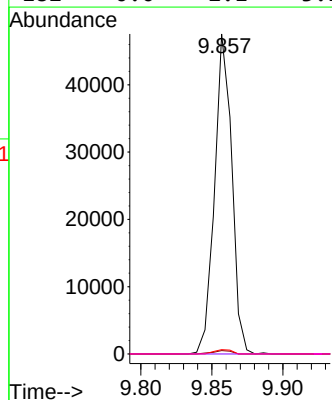
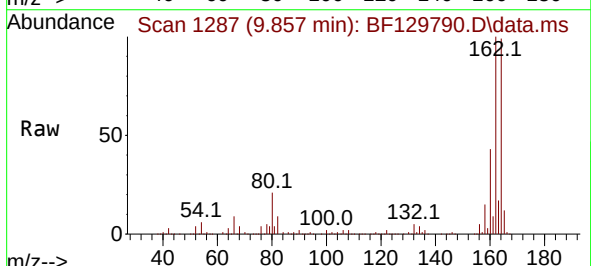
Ion Ratio Lower Upper

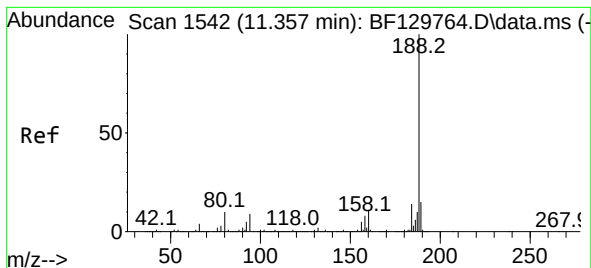
165 100

63 1.1 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: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13

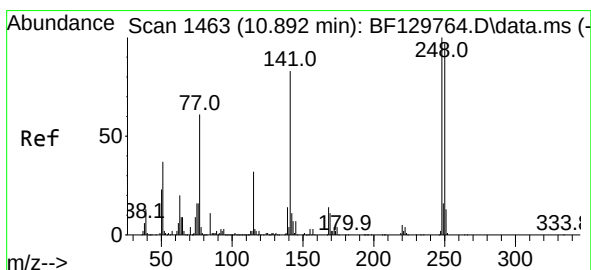
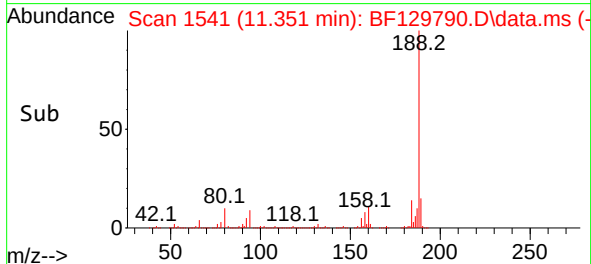
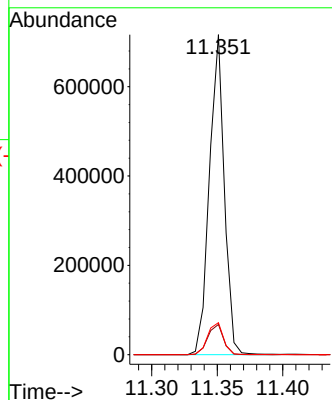
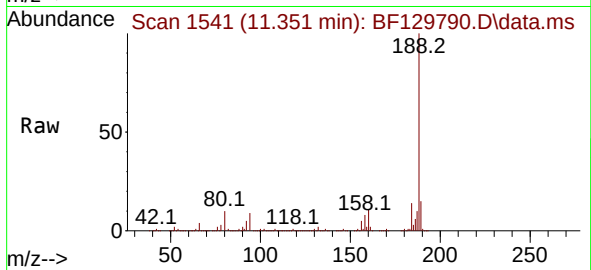
Tgt Ion:188 Resp: 568534

Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 10.0 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.546 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.235 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

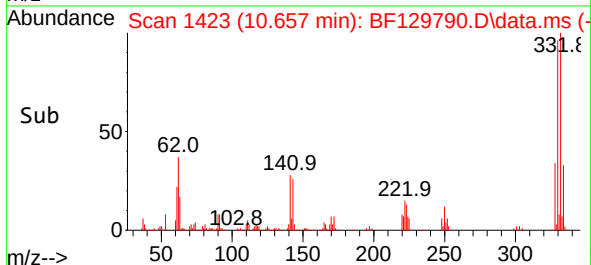
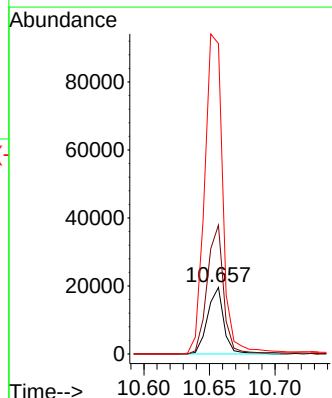
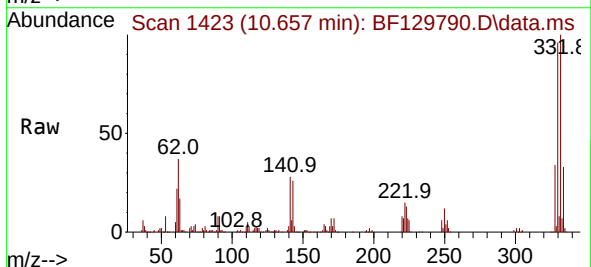
Tgt Ion:248 Resp: 16953

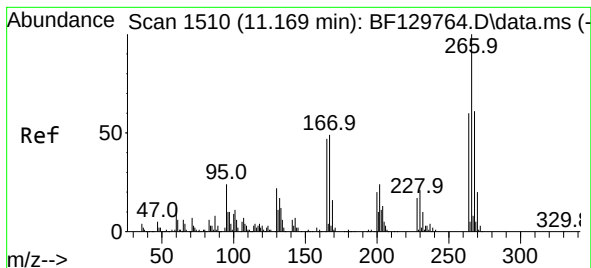
Ion Ratio Lower Upper

248 100

250 193.4 77.8 116.6#

141 466.3 66.2 99.2#





#70

Pentachlorophenol

Concen: 5.207 ng

RT: 11.192 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13

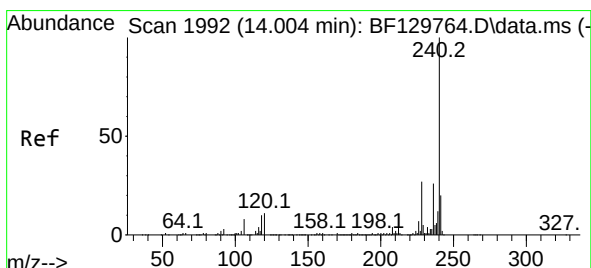
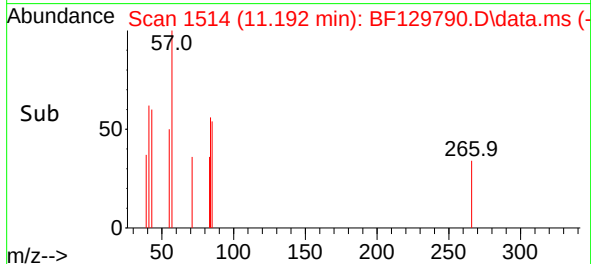
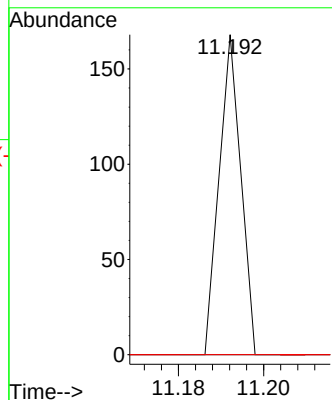
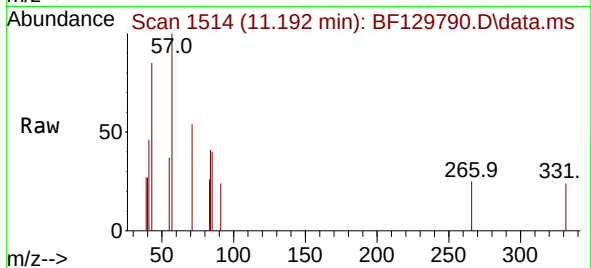
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

268 0.0 49.0 73.4#

264 0.0 47.9 71.9#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF129790.D

Acq: 15 Aug 2022 20:15

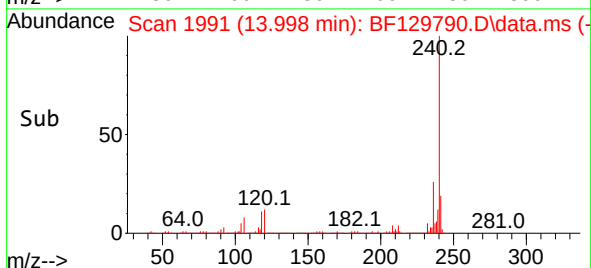
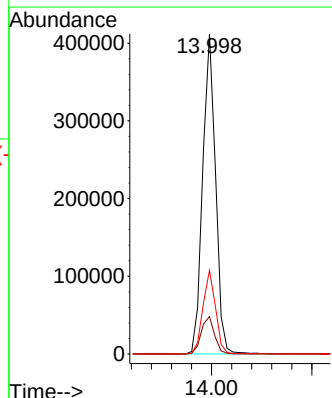
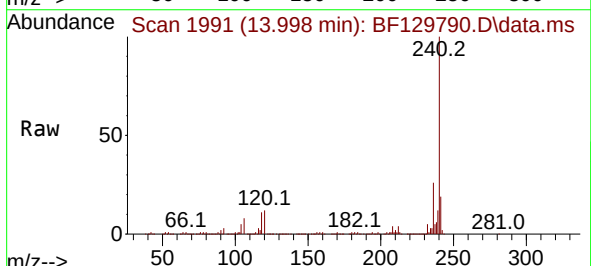
Tgt Ion:240 Resp: 369485

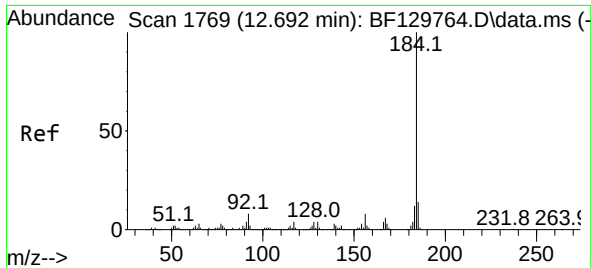
Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

236 26.2 20.7 31.1

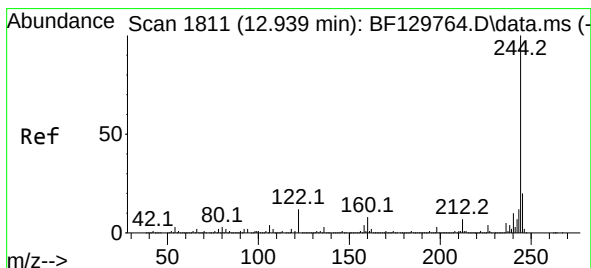
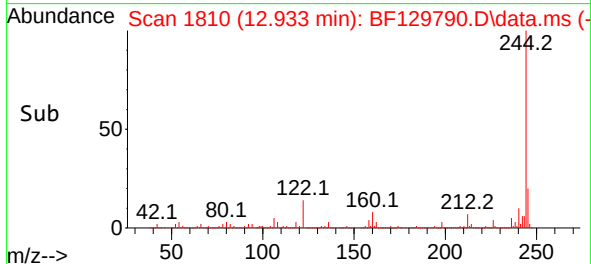
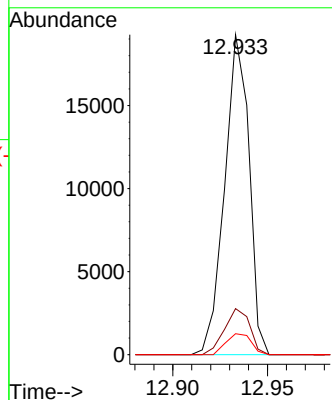
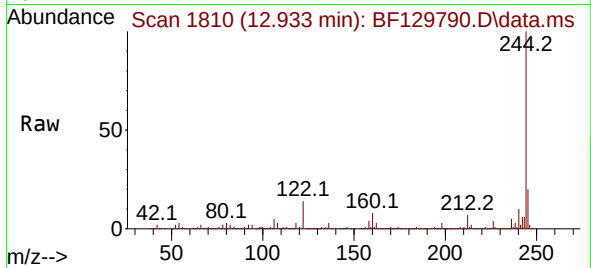




#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

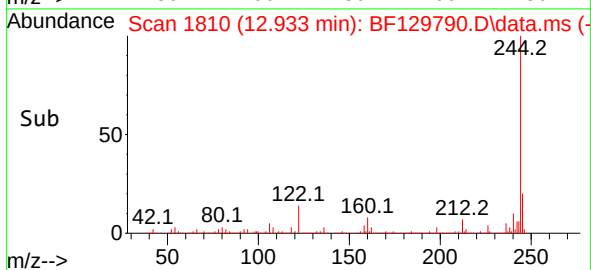
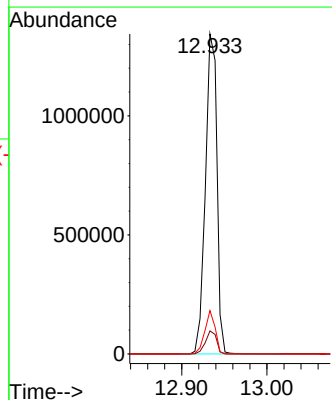
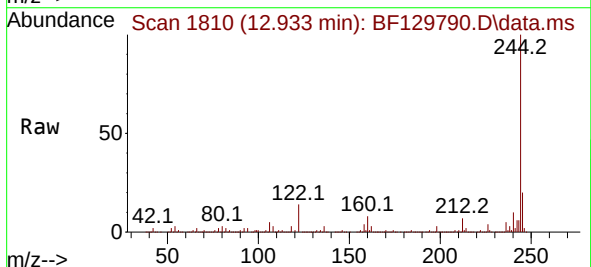
Instrument :
BNA_F
ClientSampleId :
S13

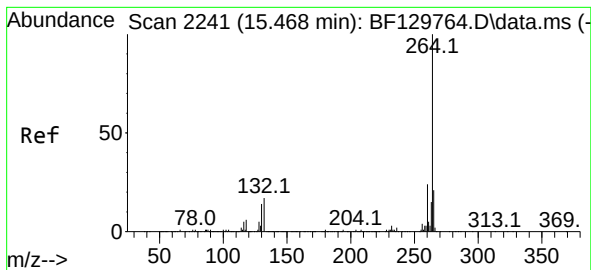
Tgt Ion:184 Resp: 17261
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 6.6 9.4 14.2#



#79
Terphenyl-d14
Concen: 56.850 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129790.D
Acq: 15 Aug 2022 20:15

Tgt Ion:244 Resp: 1262385
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 13.5 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129790.D

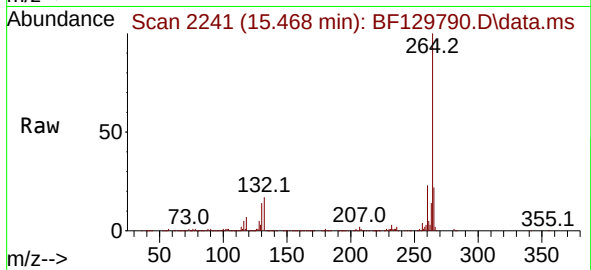
Acq: 15 Aug 2022 20:15

Instrument :

BNA_F

ClientSampleId :

S13



Tgt Ion:264 Resp: 280759

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.8 16.7 25.1

