

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081122\
 Data File : BF129729.D
 Acq On : 11 Aug 2022 22:46
 Operator : CG\JU
 Sample : N3894-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:04:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 23:50:03 2022
 Response via : Initial Calibration

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

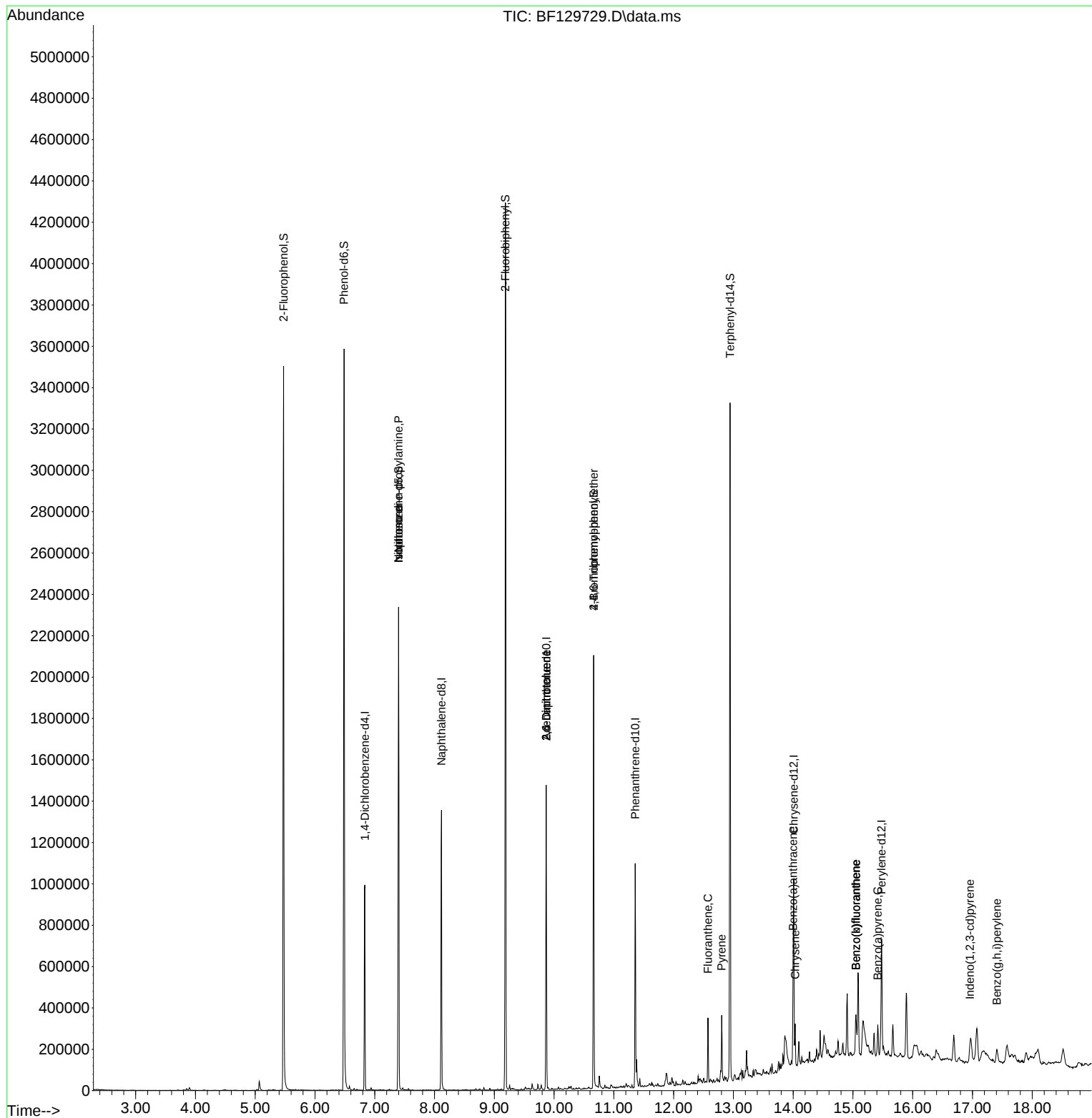
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	151936	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	583577	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	260273	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	354058	20.000	ng	#-0.01
76) Chrysene-d12	14.010	240	286585	20.000	ng	-0.01
86) Perylene-d12	15.480	264	243035	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	946706	101.502	ng	0.00
7) Phenol-d6	6.487	99	1179675	100.625	ng	0.00
23) Nitrobenzene-d5	7.398	82	747635	69.935	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	213577	85.351	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	1316985	78.276	ng	-0.01
79) Terphenyl-d14	12.945	244	1004151	66.103	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	99542	14.025	ng	# 72
25) Isophorone	7.398	82	747629	39.015	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	35289	8.775	ng	# 26
57) 2,4-Dinitrotoluene	9.869	165	35289	6.717	ng	# 21
67) 4-Bromophenyl-phenylether	10.663	248	14096	3.636	ng	# 1
75) Fluoranthene	12.574	202	108936	5.563	ng	97
78) Pyrene	12.804	202	111998	4.673	ng	98
81) Benzo(a)anthracene	13.998	228	72471	3.702	ng	98
83) Chrysene	14.033	228	79334	4.300	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	39848	2.435	ng	96
88) Benzo(b)fluoranthene	15.051	252	138289	8.578	ng	99
89) Benzo(k)fluoranthene	15.051	252	138289	8.753	ng	99
90) Benzo(a)pyrene	15.415	252	65271	4.988	ng	95
92) Benzo(g,h,i)perylene	17.409	276	40112	2.947	ng	96

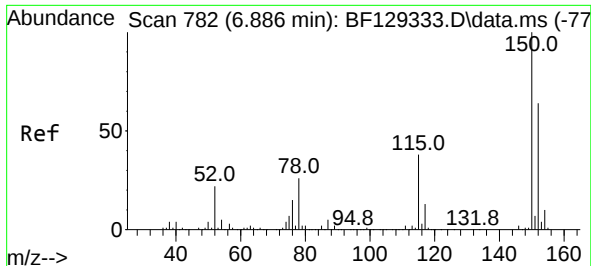
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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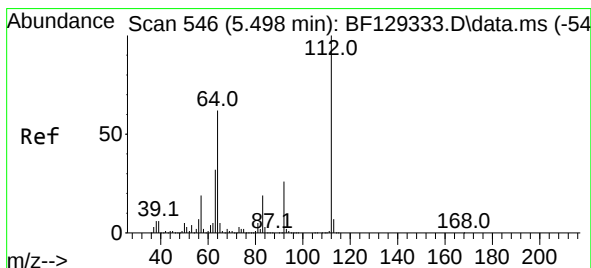
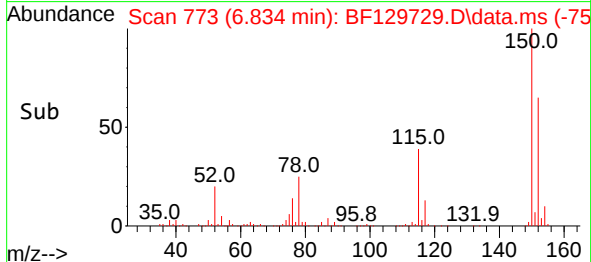
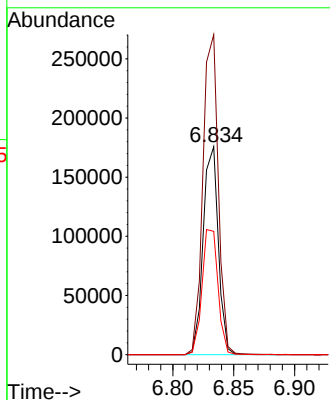
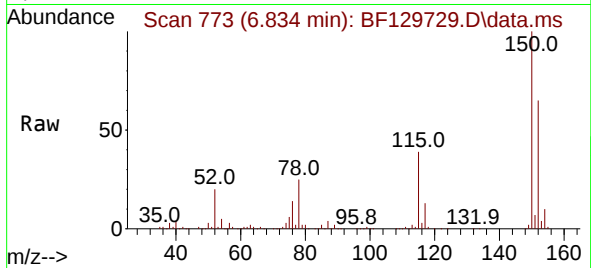




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129729.D
 Acq: 11 Aug 2022 22:46

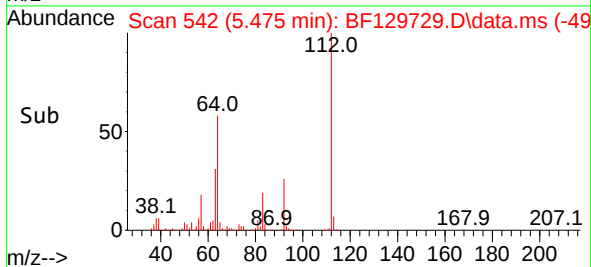
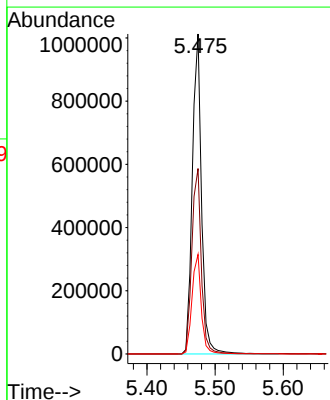
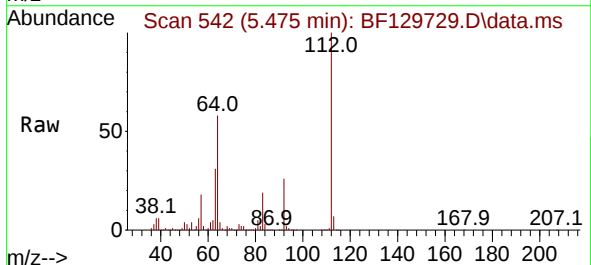
Instrument :
 BNA_F
 ClientSampleId :

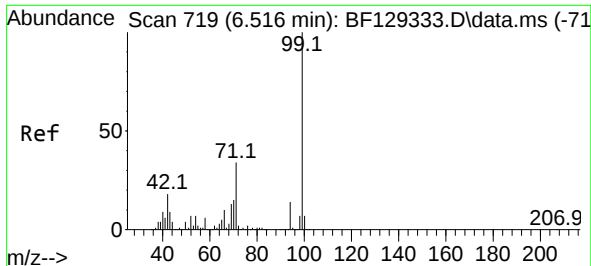
Tgt Ion:152 Resp: 151936
 Ion Ratio Lower Upper
 152 100
 150 153.9 123.7 185.5
 115 59.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 101.502 ng
 RT: 5.475 min Scan# 542
 Delta R.T. 0.006 min
 Lab File: BF129729.D
 Acq: 11 Aug 2022 22:46

Tgt Ion:112 Resp: 946706
 Ion Ratio Lower Upper
 112 100
 64 57.9 53.3 79.9
 63 31.1 28.0 42.0



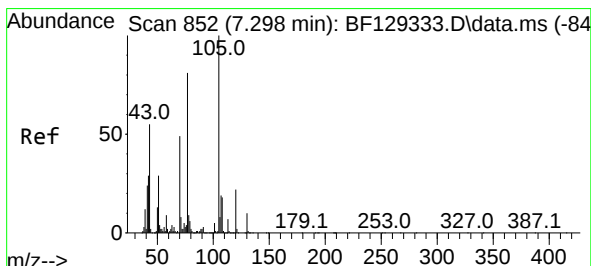
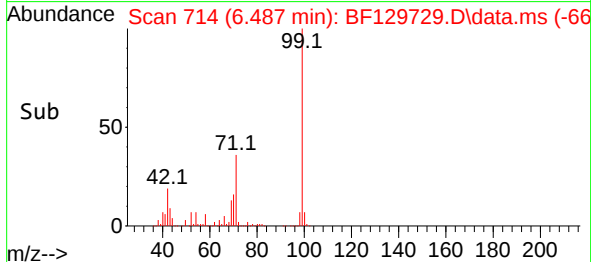
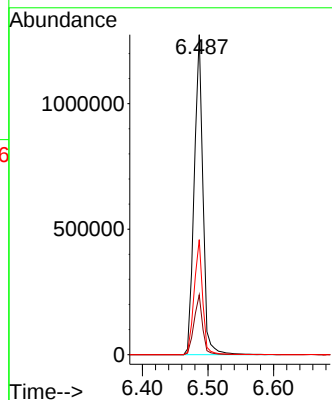
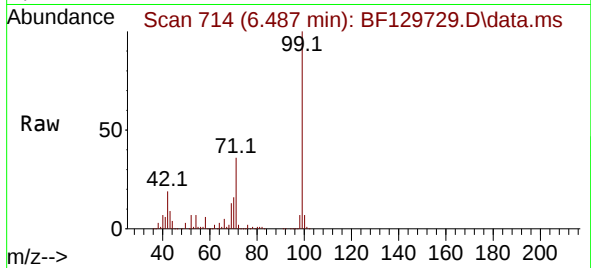


#7
Phenol-d6
Concen: 100.625 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1179675

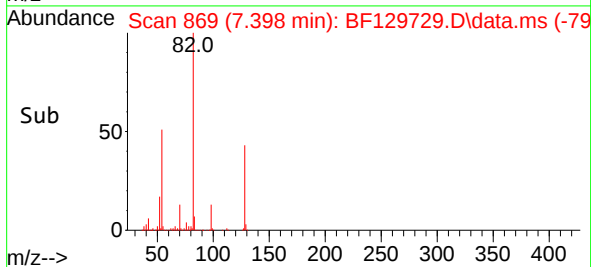
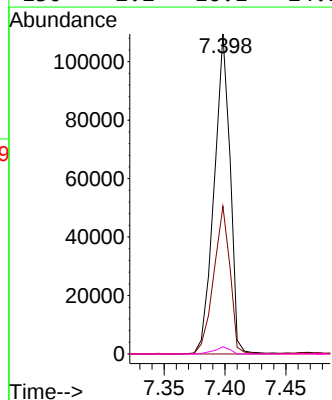
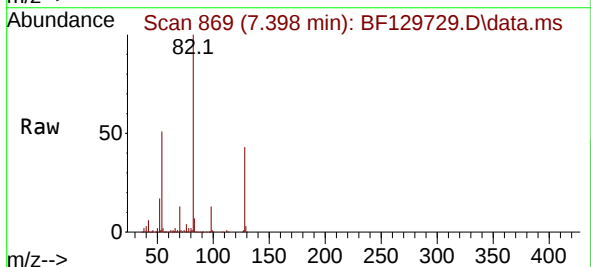
Ion	Ratio	Lower	Upper
99	100		
42	18.7	17.3	25.9
71	35.9	28.9	43.3

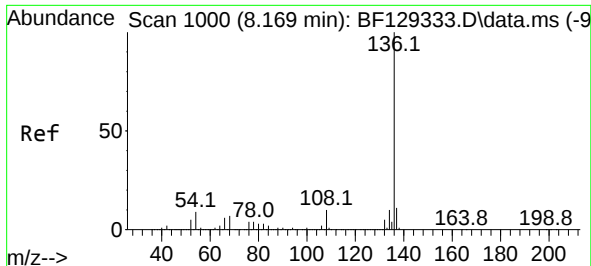


#19
n-Nitroso-di-n-propylamine
Concen: 14.025 ng
RT: 7.398 min Scan# 869
Delta R.T. 0.141 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion: 70 Resp: 99542

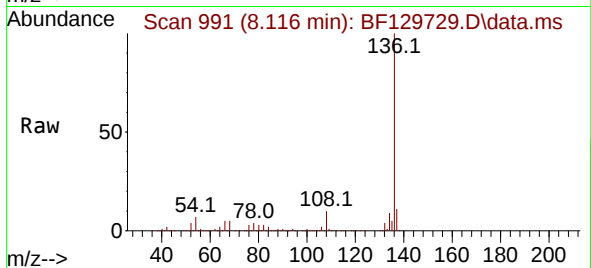
Ion	Ratio	Lower	Upper
70	100		
42	46.1	52.3	78.5#
101	0.0	7.5	11.3#
130	2.2	16.1	24.1#



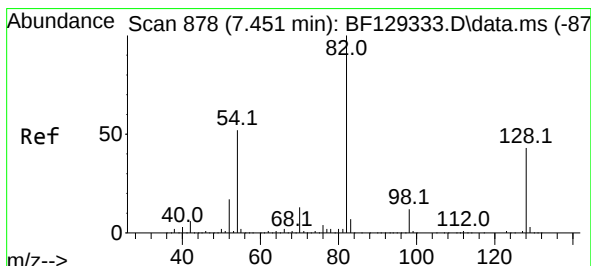
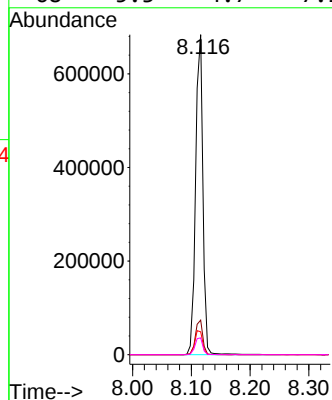
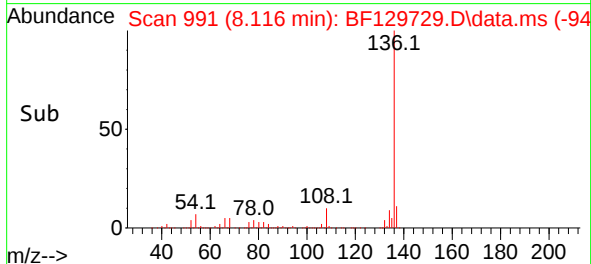


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

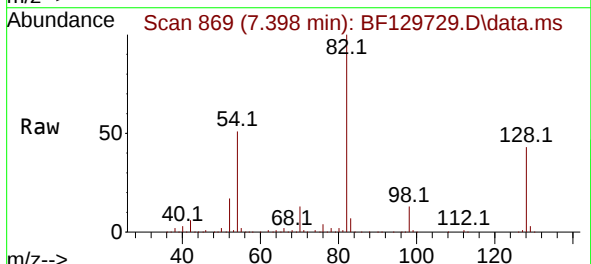
Instrument :
BNA_F
ClientSampleId :



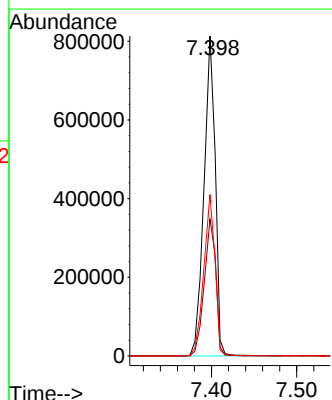
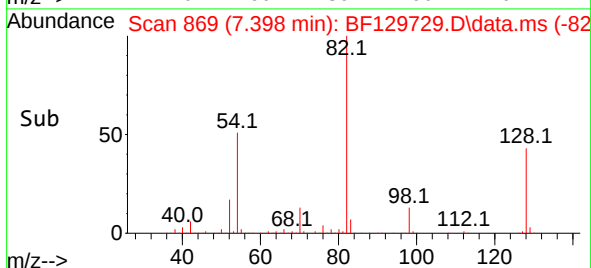
Tgt Ion:136 Resp: 583577
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.2 7.5 11.3#
68 5.3 4.7 7.1

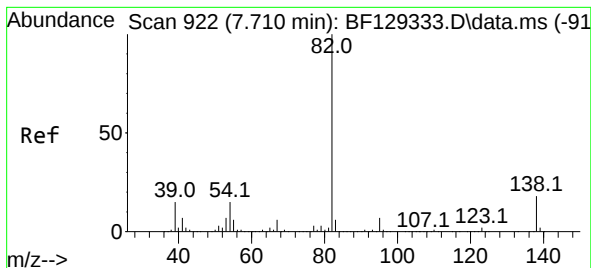


#23
Nitrobenzene-d5
Concen: 69.935 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46



Tgt Ion: 82 Resp: 747635
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 50.5 46.9 70.3





#25

Isophorone

Concen: 39.015 ng

RT: 7.398 min Scan# 80

Delta R.T. -0.265 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

Instrument :

BNA_F

ClientSampleId :

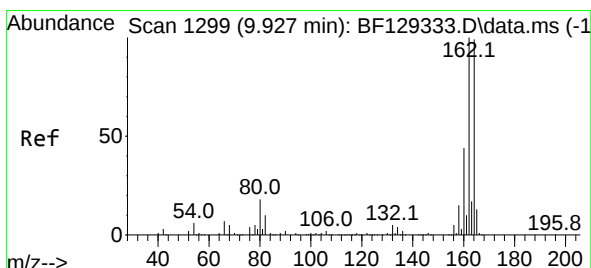
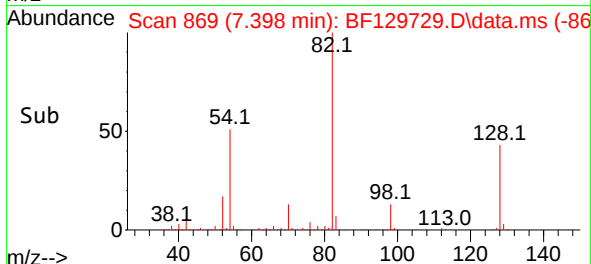
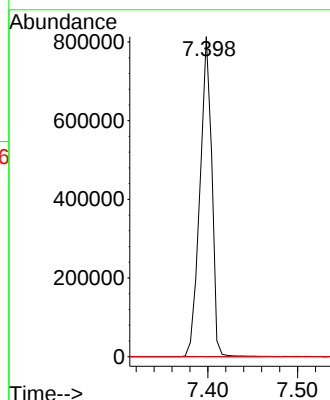
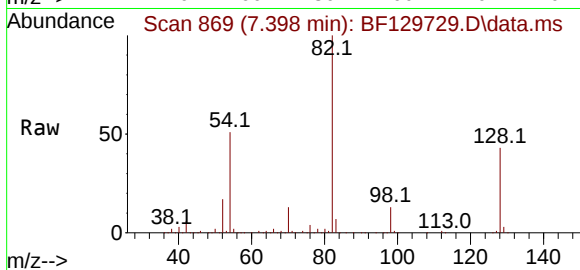
Tgt Ion: 82 Resp: 747629

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.012 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

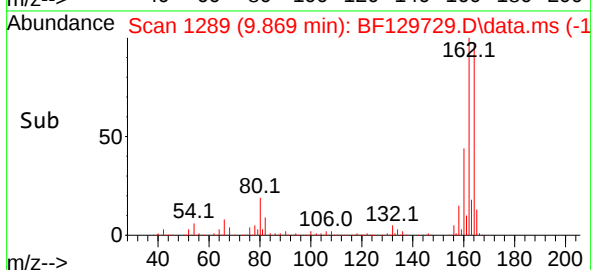
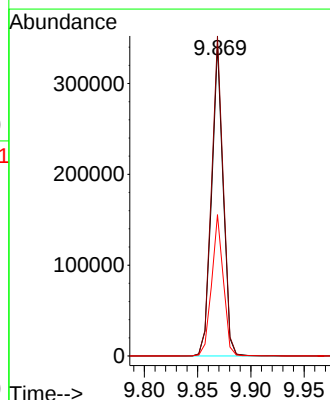
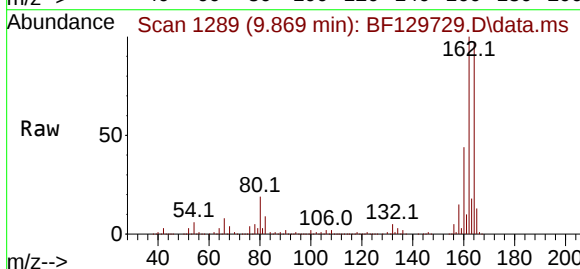
Tgt Ion:164 Resp: 260273

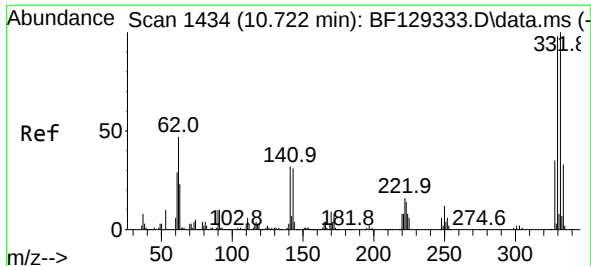
Ion Ratio Lower Upper

164 100

162 102.7 79.5 119.3

160 45.3 34.2 51.4

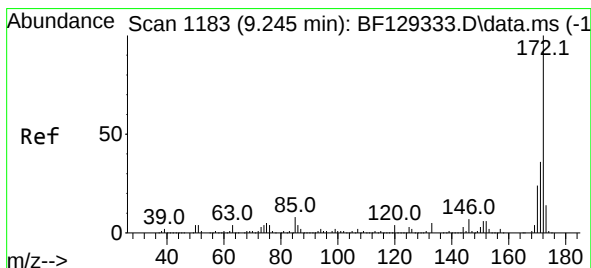
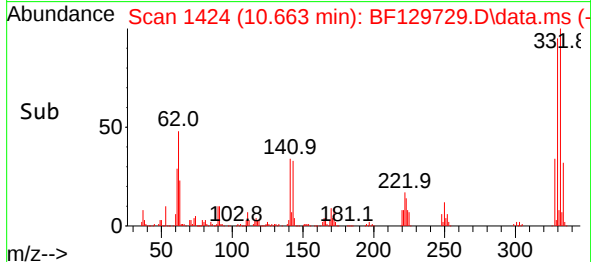
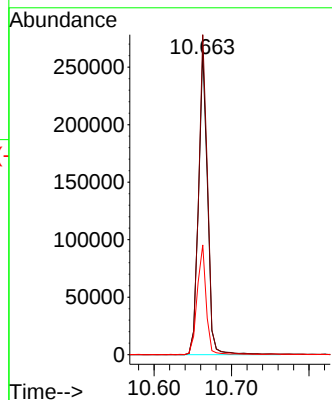
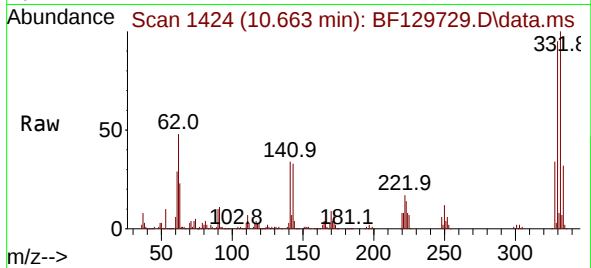




#42
2,4,6-Tribromophenol
Concen: 85.351 ng
RT: 10.663 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

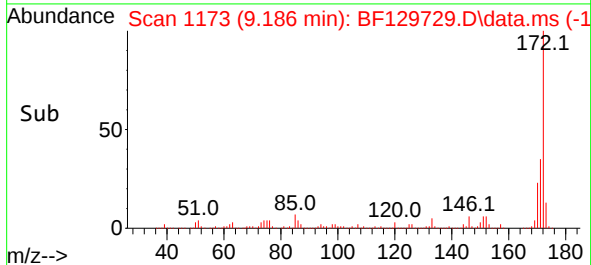
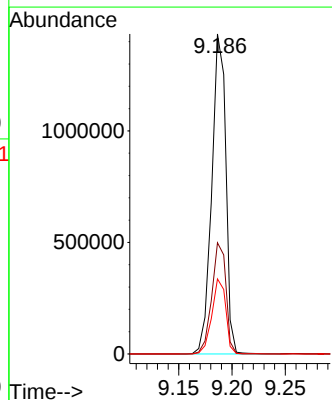
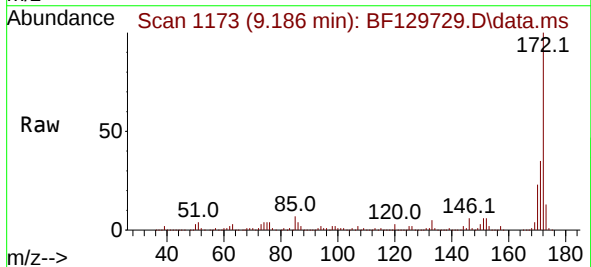
Instrument :
BNA_F
ClientSampleId :

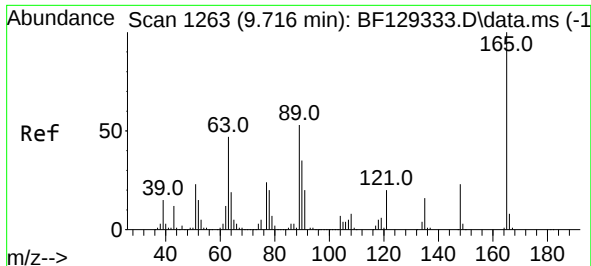
Tgt Ion: 330 Resp: 213577
Ion Ratio Lower Upper
330 100
332 104.4 76.8 115.2
141 36.1 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 78.276 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion: 172 Resp: 1316985
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.4 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.775 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

Instrument :

BNA_F

ClientSampleId :

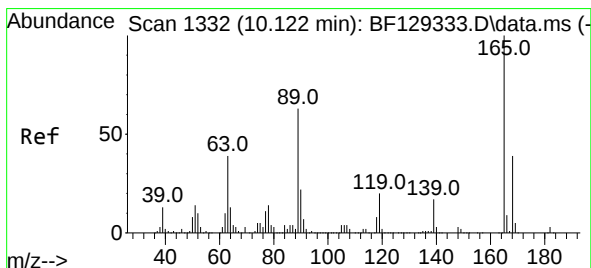
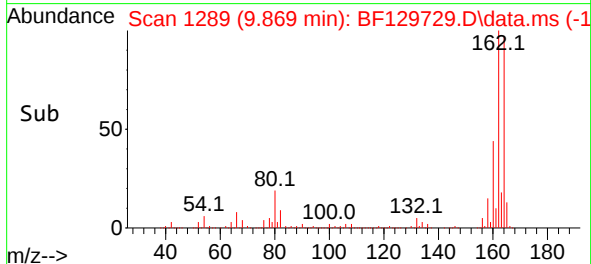
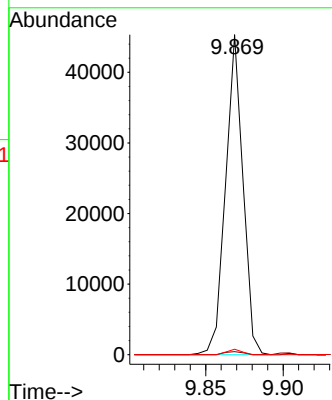
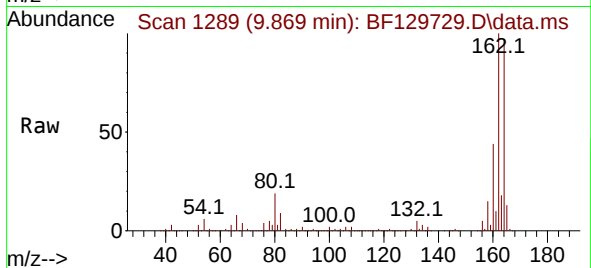
Tgt Ion:165 Resp: 35289

Ion Ratio Lower Upper

165 100

63 0.9 44.9 67.3#

89 1.7 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.717 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.212 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

Tgt Ion:165 Resp: 35289

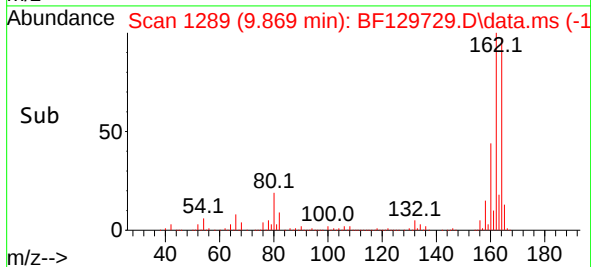
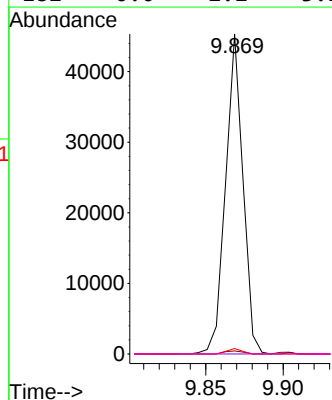
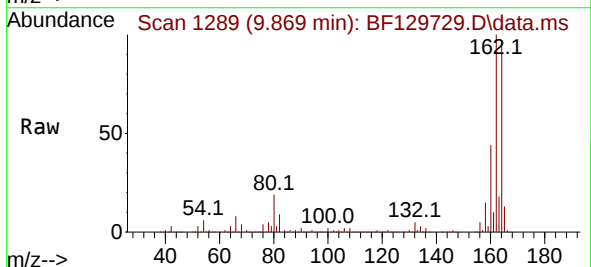
Ion Ratio Lower Upper

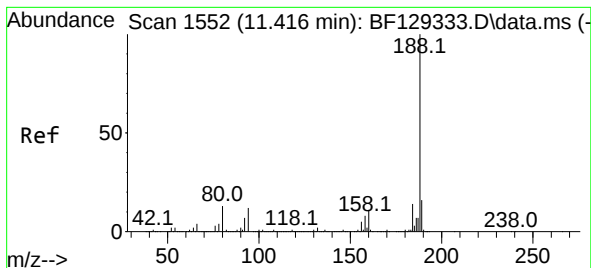
165 100

63 0.9 39.8 59.6#

89 1.7 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

Instrument :

BNA_F

ClientSampleId :

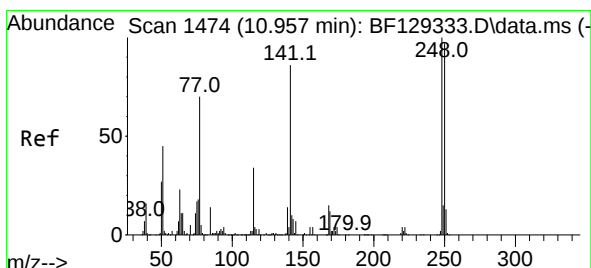
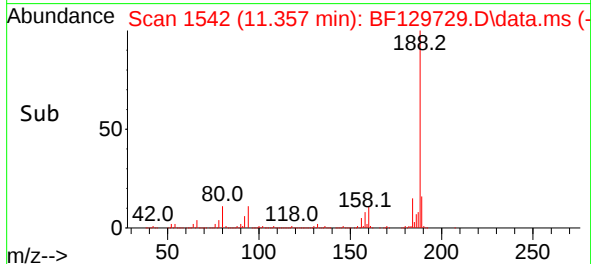
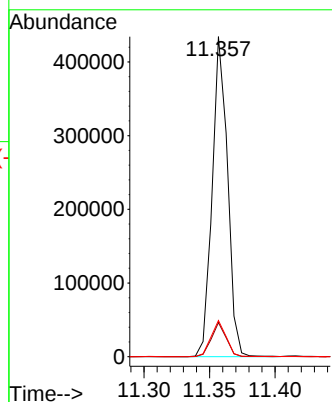
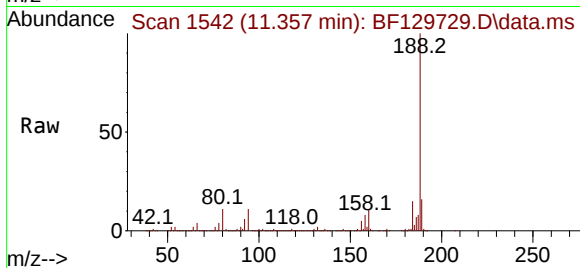
Tgt Ion:188 Resp: 354058

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.636 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.247 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

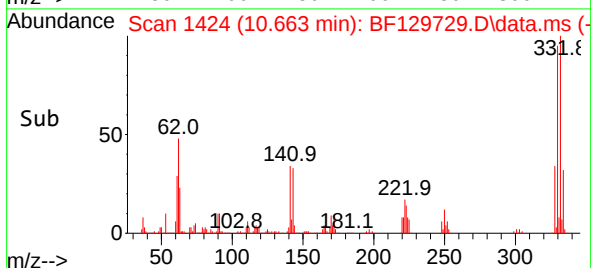
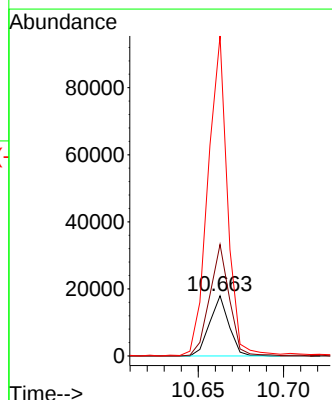
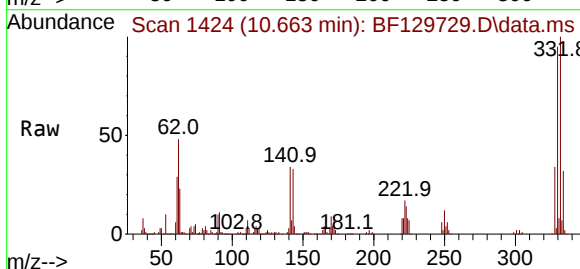
Tgt Ion:248 Resp: 14096

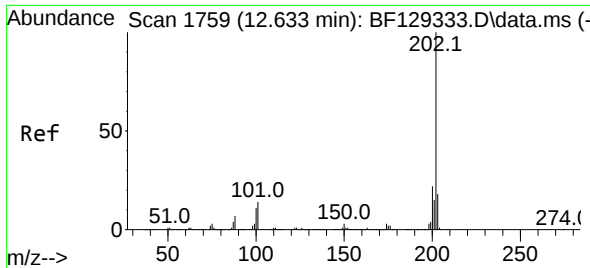
Ion Ratio Lower Upper

248 100

250 185.5 80.6 120.8#

141 532.3 58.9 88.3#

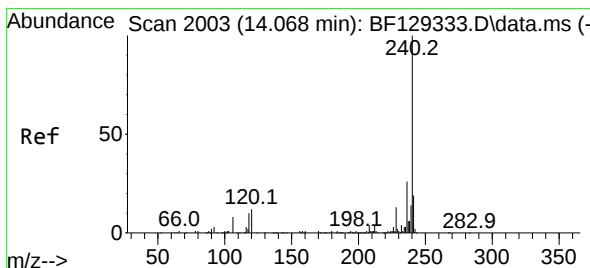
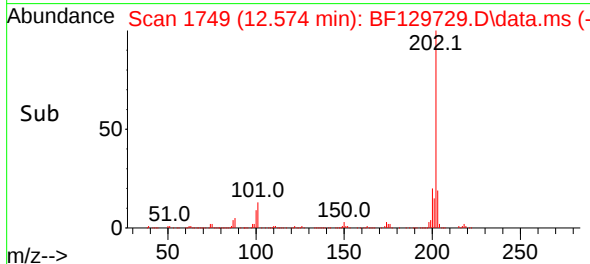
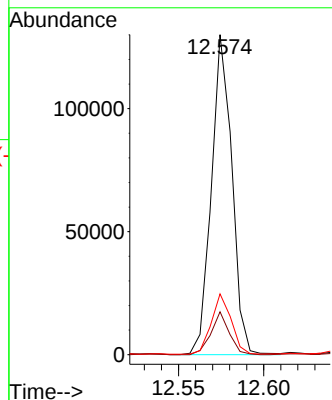
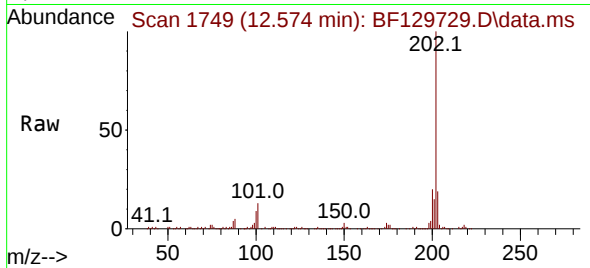




#75
Fluoranthene
Concen: 5.563 ng
RT: 12.574 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

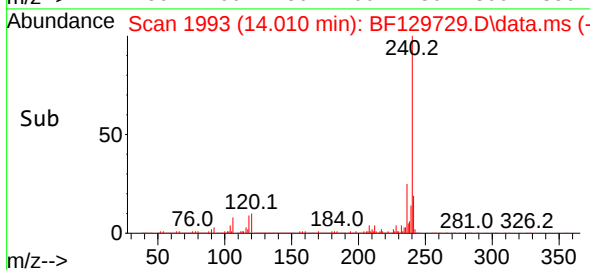
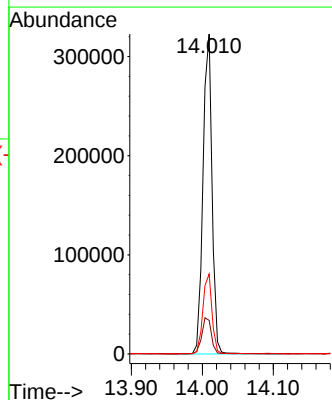
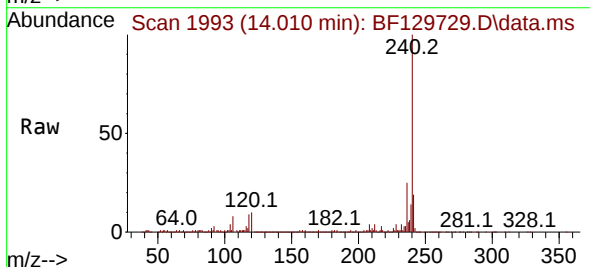
Instrument :
BNA_F
ClientSampleId :

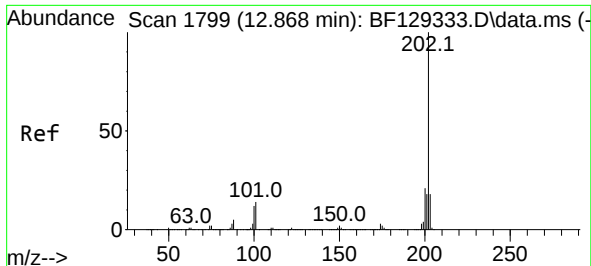
Tgt Ion:202 Resp: 108936
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.4
203 19.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion:240 Resp: 286585
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.0 20.8 31.2

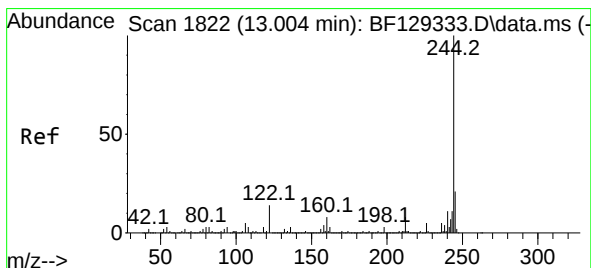
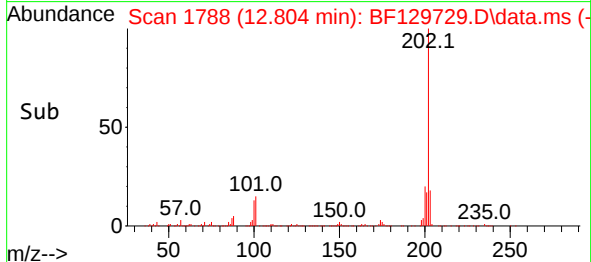
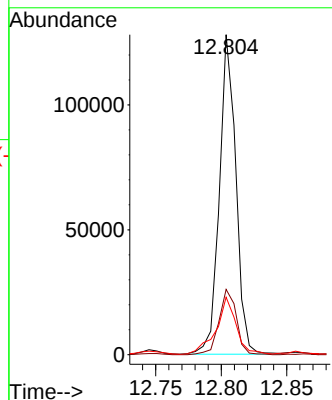
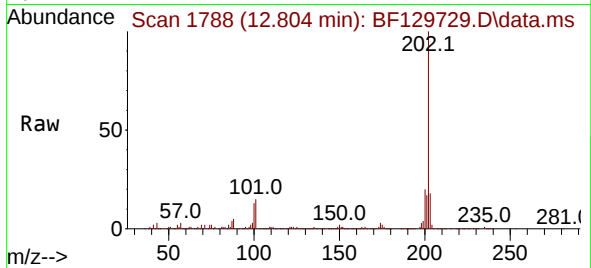




#78
 Pyrene
 Concen: 4.673 ng
 RT: 12.804 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129729.D
 Acq: 11 Aug 2022 22:46

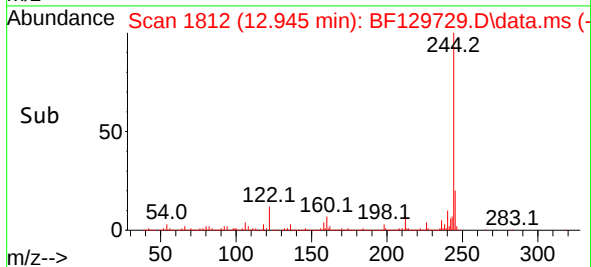
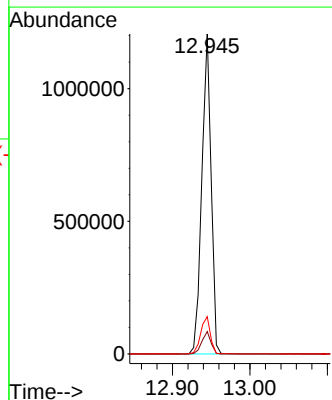
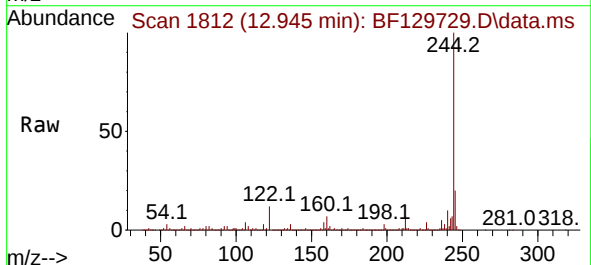
Instrument :
 BNA_F
 ClientSampleId :

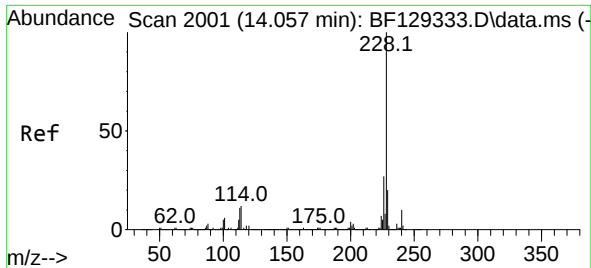
Tgt Ion:202 Resp: 111998
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.7 26.5
 203 18.0 14.6 21.8



#79
 Terphenyl-d14
 Concen: 66.103 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.012 min
 Lab File: BF129729.D
 Acq: 11 Aug 2022 22:46

Tgt Ion:244 Resp: 1004151
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 11.6 8.8 13.2

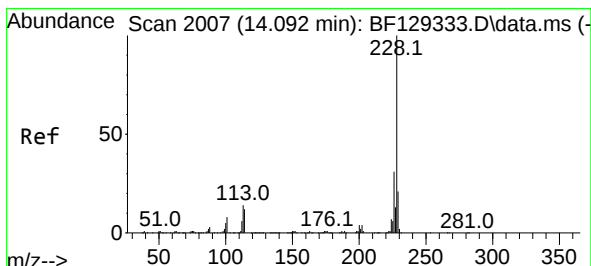
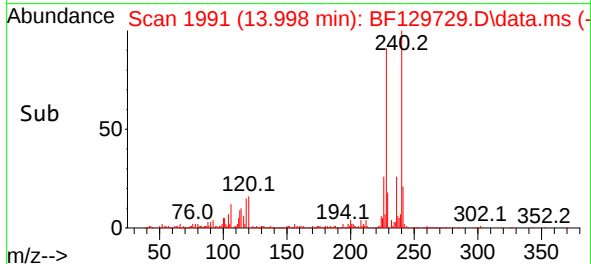
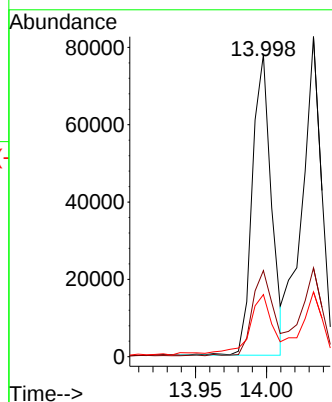
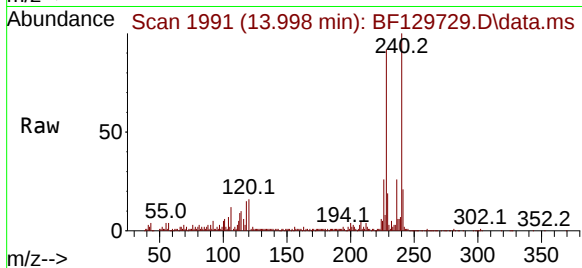




#81
Benzo(a)anthracene
Concen: 3.702 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

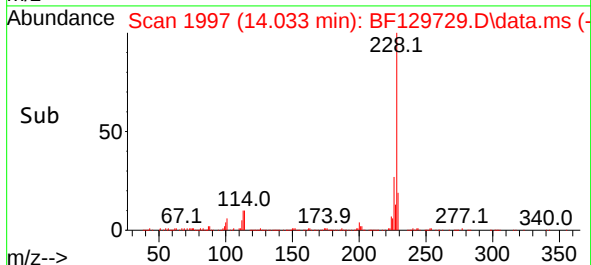
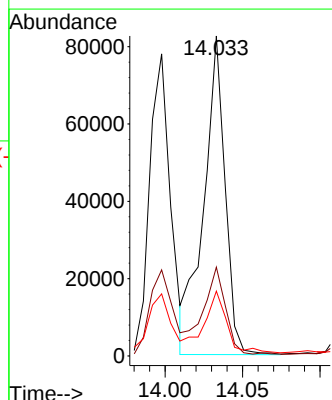
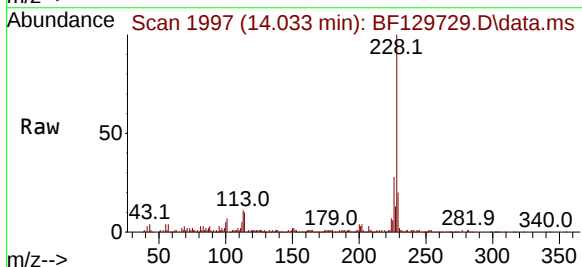
Instrument :
BNA_F
ClientSampleId :

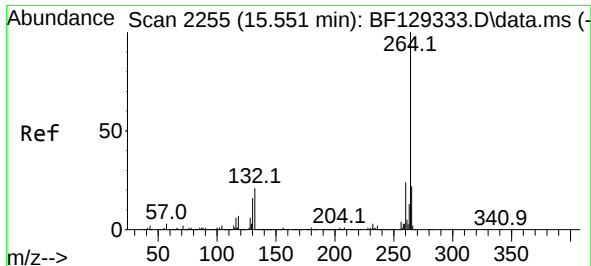
Tgt Ion:228 Resp: 72471
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 20.5 15.8 23.8



#83
Chrysene
Concen: 4.300 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion:228 Resp: 79334
Ion Ratio Lower Upper
228 100
226 27.7 24.3 36.5
229 20.2 15.9 23.9

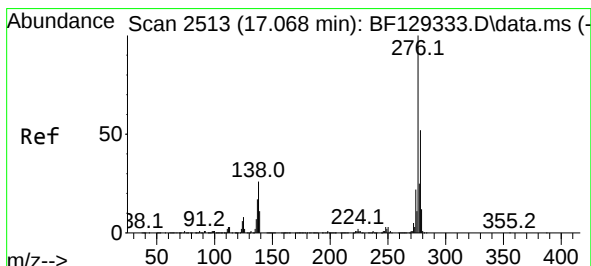
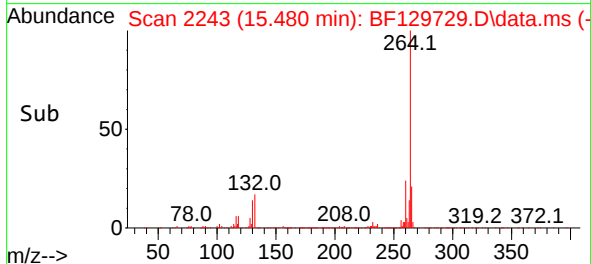
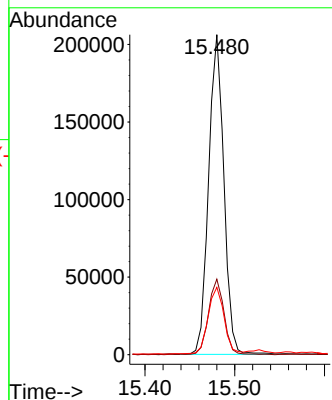
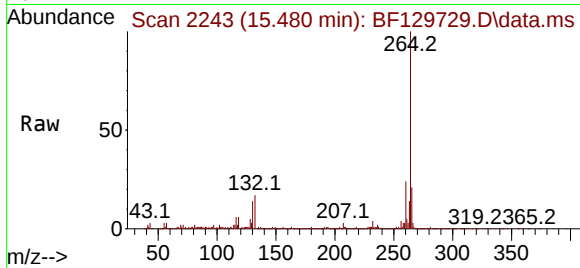




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

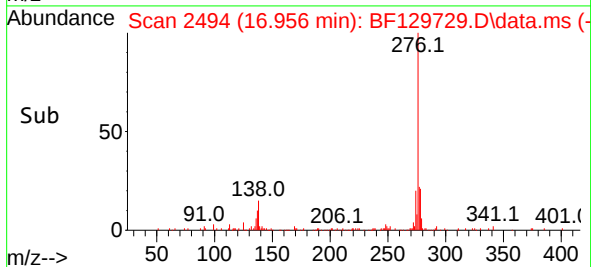
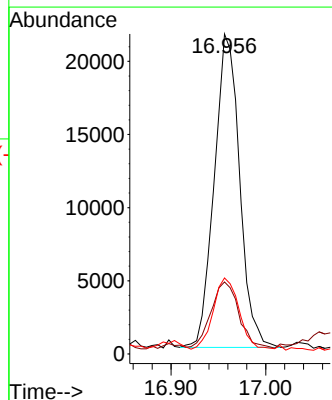
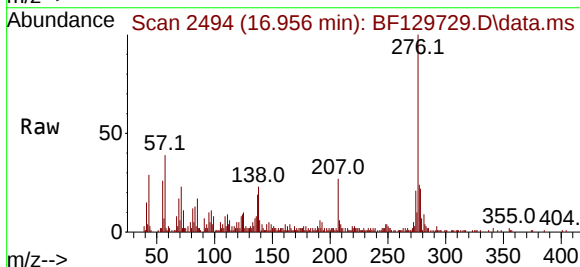
Instrument :
BNA_F
ClientSampleId :

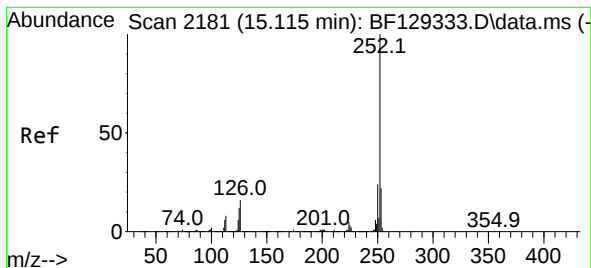
Tgt Ion:264 Resp: 243035
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.1 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.435 ng
RT: 16.956 min Scan# 2494
Delta R.T. -0.030 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion:276 Resp: 39848
Ion Ratio Lower Upper
276 100
138 24.6 21.1 31.7
277 22.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.578 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

Instrument :

BNA_F

ClientSampleId :

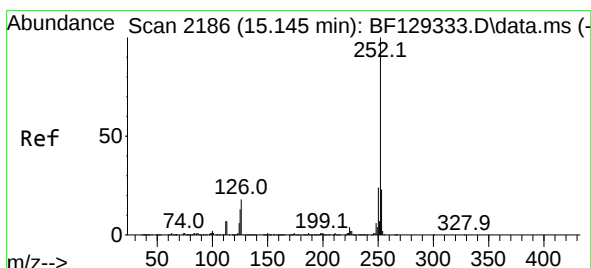
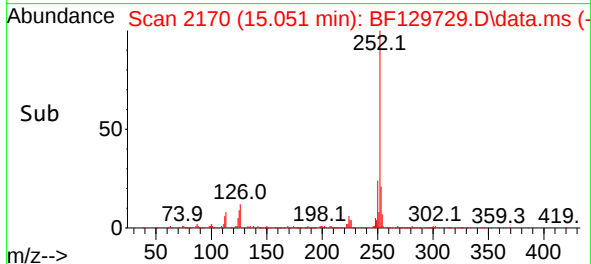
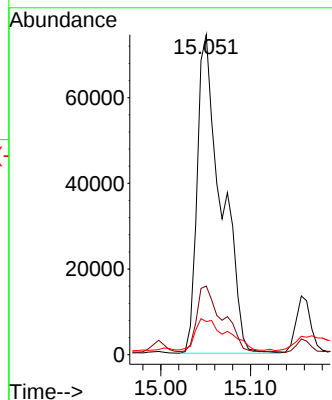
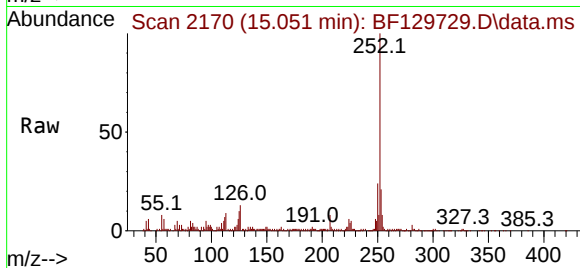
Tgt Ion:252 Resp: 138289

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 10.3 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 8.753 ng

RT: 15.051 min Scan# 2170

Delta R.T. -0.041 min

Lab File: BF129729.D

Acq: 11 Aug 2022 22:46

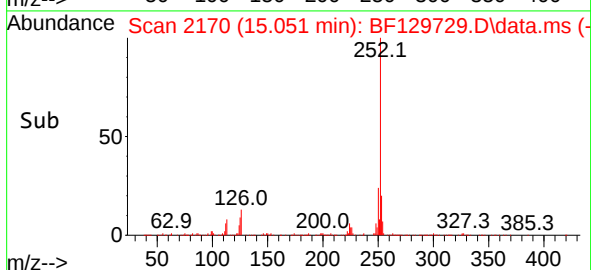
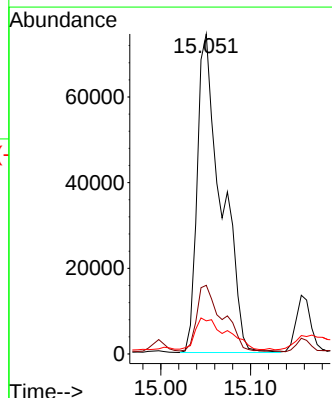
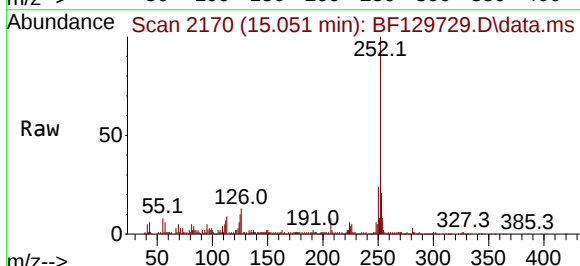
Tgt Ion:252 Resp: 138289

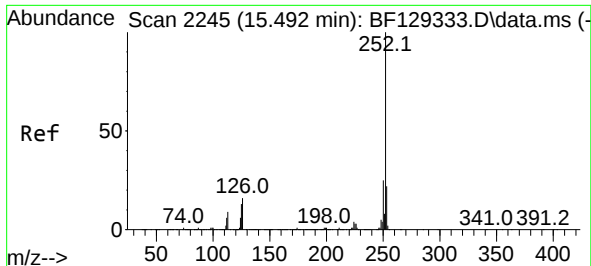
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

125 10.3 8.3 12.5

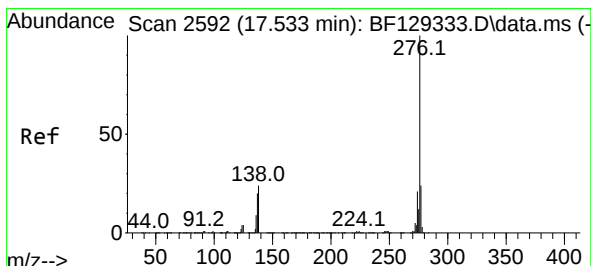
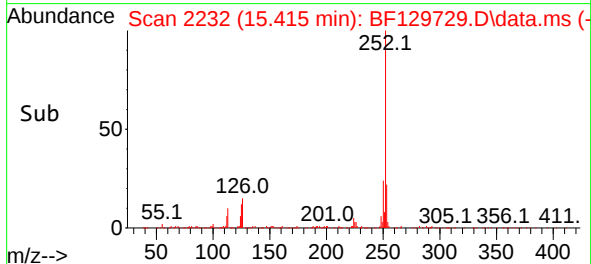
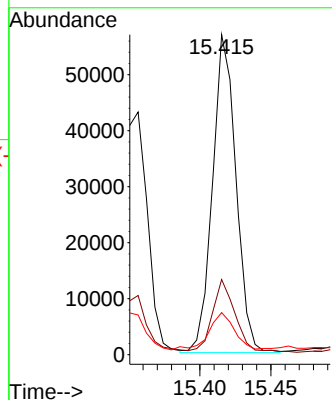
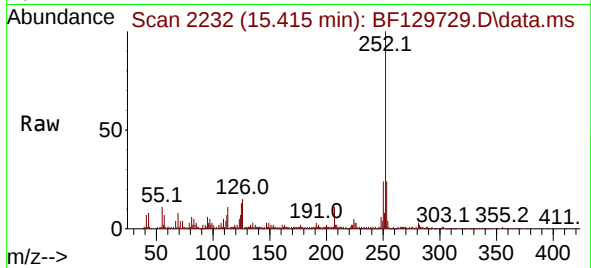




#90
Benzo(a)pyrene
Concen: 4.988 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 65271
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 13.2 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.947 ng
RT: 17.409 min Scan# 2571
Delta R.T. -0.024 min
Lab File: BF129729.D
Acq: 11 Aug 2022 22:46

Tgt Ion:276 Resp: 40112
Ion Ratio Lower Upper
276 100
277 25.6 19.1 28.7
138 24.2 18.0 27.0

